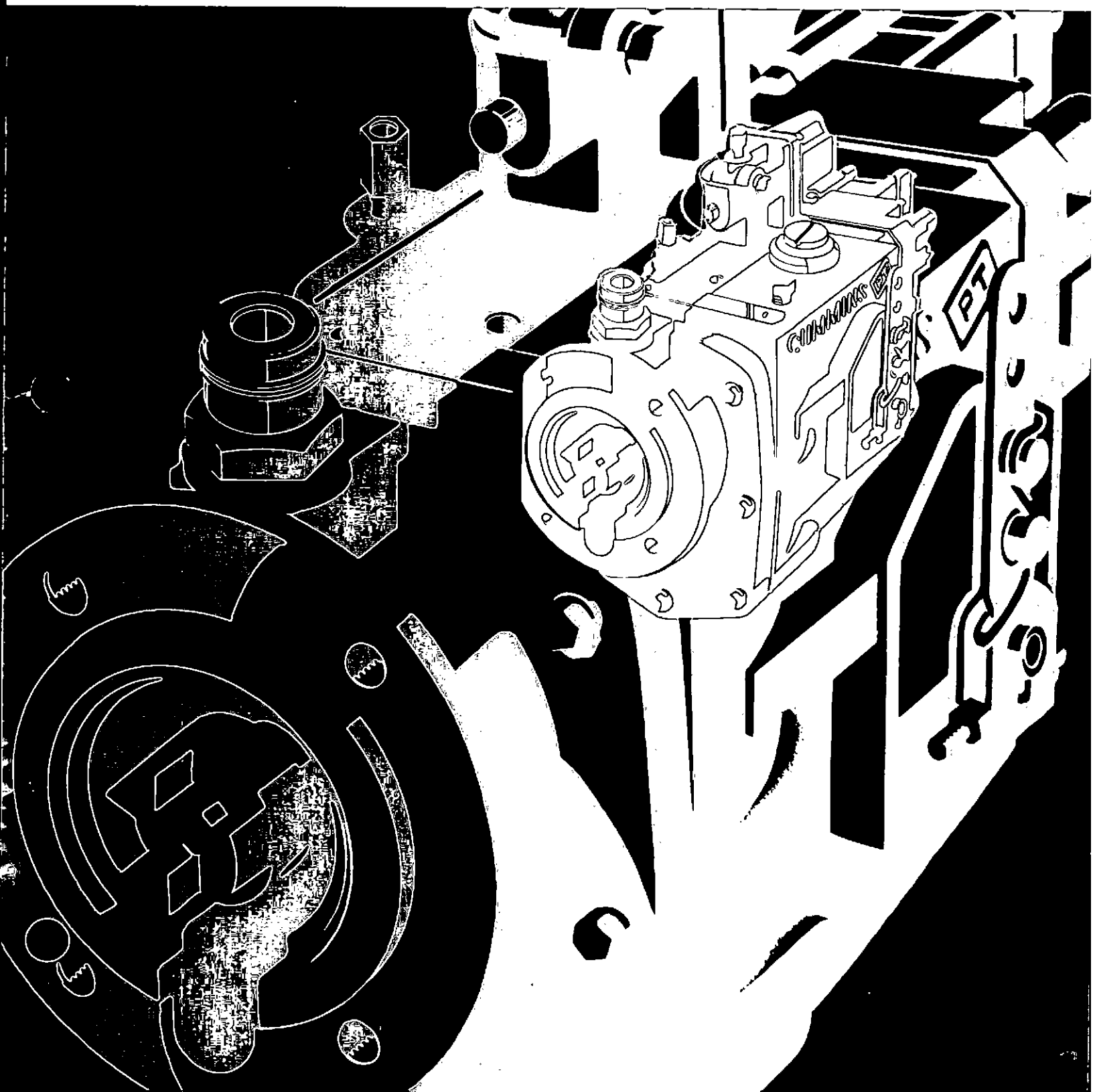




**Fuel Pump
PT (type G)
Calibration Values
1990 - 1993**





Cummins Diesel Engines

**PT (type G) Fuel Pump
Calibration Values
1990 - 1993**

Foreword

This manual covers the calibration values for Cummins PT (type G) fuel pumps. These fuel pumps must be calibrated on test stands made or approved by Cummins Engine Company, Inc.

This manual contains the fuel pump calibration codes issued between December, 1989 and July, 1993.

The fuel pump codes in this book are as follows:

4500 to 7999
9400 to 9799
B600 to B999
BA00 to BZ99
EA00 to EZ99
SA00 to SZ99
X200 to X499
X700 to X999
Z000 to Z999
ZA00 to ZZ99

For calibrations previous to Code No. 2300 or export codes issued before January, 1970; refer to Bulletin No. 3379077.

For calibrations issued between January, 1981 and December, 1989; refer to Bulletin No. 3379352.

For calibrations issued between January, 1976 and December, 1980; refer to Bulletin No. 3379182.

For calibrations issued during January, 1970 to December, 1975; refer to Bulletin No. 3379068.

This manual includes all Cumulative Supplement and Service Topic information pertaining to these fuel pump codes issued through July, 1993.

NOTE: It is the policy of Cummins Engine Company, Inc. to constantly improve their product; therefore, design changes may affect the procedures outlined in this manual. If variances are observed, verify the information through a local Cummins Distributor or Dealer.

Fuel Systems Publications and Rack Program

Bulletin Number 3379144-00

The Fuel System Publications are assembled into a counter rack. The rack will consist of the following:

1. Rack to hold fuel system books, Part No. 3810467.
2. PT (type G) Fuel Pump Calibration Codes issued between October, 1963 and December, 1969, Bulletin No. 3379077.
3. PT (type G) 2300 to 3199 and etc. — from January, 1970 to December, 1975, Bulletin No. 3379068.
4. PT (type G) codes 3200 to 3599 and etc. — from January, 1976 to December, 1980, Bulletin No. 3379182.
5. PT (type G) codes 3600 to 4499 and etc. from January, 1981, to December, 1989, Bulletin No. 3379352. (Part of kit, Bul. No. 3810396 - can not be purchased separately.)
6. PT (type G) codes 4500 and up-from January, 1990 to July of year printed, Bulletin No. 3666011. (Part of kit, Bulletin No. 3810396 - cannot be purchased separately.)
7. Index of all Fuel Pump Calibration Codes. (Part of kit, Bul. No. 3810396.)
8. Change of address form.
9. Fuel Pump Rebuild Manual, Bulletin No. 3379084.
10. PT (type R) Fuel Pump Calibration Manual, Bulletin No. 3379101.
11. Fuel Pump code and Fuel Pump assembly cross reference, Bulletin No. 3810345.
12. Injector Rebuild Manual, Bulletin No. 3379071.
13. PT Injector - Step Timing Control Shop Manual, Bulletin No. 3810313.
14. STC System Troubleshooting and Repair, Bulletin No. 3810385
15. PT Injector - Top Stop Shop Manual, Bulletin No. 3810344.
16. Injector Specifications, Bulletin No. 3379664.
17. Control Parts List Manual, Bulletin No. 3379133.
18. Electric Fuel Control Governor, Bulletin No. 3379231.
19. Industrial Electric Fuel Control Governor, Bulletin No. 3810349.
20. PACE Troubleshooting and Repair Manual, Bulletin No. 3810318.
21. PT Pacer Troubleshooting and Repair Manual, Bulletin No. 3810441.
22. PACE Shop Manual, Bulletin No. 3810319.
23. PACE Pocket Fault Code Manual, Bulletin No. 3810399
24. PT Pacer Pocket Fault Code Manual, Bulletin No. 3810495.
25. CELECT™ Pocket Fault Code Manual, Bulletin No. 3810389.
26. Compulink Manual, Bulletin No. 3810391
27. PACE Compulink Cartridge Manual, Bulletin No. 3810392.
28. PT Pacer Compulink Cartridge Manual, Bulletin No. 3810443.
29. CELECT™ Compulink Cartridge Manual, Bulletin No. 3810472.
30. Fuel System Self Audit Manual, Bulletin No. 3377596.
31. Injection Pumps and Injectors for B & C Series Engines, Bulletin No. 3666037.
32. PACE Parts Catalog, Bulletin No. 3822122.
33. Fuel System Monthly Update Subscription Service.
 - a. Revisions to all of the above fuel systems publications as they occur.
 - b. A monthly cumulative supplement of all revised or new fuel pump codes released since the last publication of the fuel pump code manuals.
 - c. Fuel system Service/Parts Topics.
 - d. Revised ESDN Calibration Information.

Additional Fuel System Publication Monthly Updates

Bulletin Numbers 3379209-00 and 3666012-00

This service provides revisions to all of the above fuel systems publications and the updates in item 33 as they occur shipped to you automatically for 12 months.

PT Fuel Pump

Calibration Values

Instructions When Using the Calibration Tables

1. Refer to all lines of each pump calibration to get all values necessary for complete information.
2. A letter A, B etc. following the code number indicates a minor change has been made from the original release and may be applied to all pumps with identical code number, regardless of the letter suffix. When a major change is made, a new code is issued.
3. At the check points, always set rpm before adjusting flow. Then check the psi.
4. Governor and torque spring color codes can be found in the PT Rebuild Manual, Bulletin No. 3379084.
5. The governor plunger part number refers to a series of plungers. The standard and oversize plungers are tabulated in the PT Rebuild Manual.
6. Fuel pump rpm for V-555 engines will be lower than engine rpm because the fuel pump is geared to run at about 78 percent of engine rpm.
7. Fuel pump code numbers beginning with "B" are Daventry calibrations, "C or DC" Darlington, "F" Brazil, "J" Japanese, "K" Kirloskar, "S" Shotts, "E" and "V" Cummins Industrial Center and "X" Jamestown.
8. When ordering a fuel pump from the calibration tables, specify the latest letter suffix for that calibration. If a dash "A" is ordered and the calibration has been updated or revised to a dash "B" or "C", the latest revision will be substituted and shipped from Cummins.
9. The fuel pump code CPL must be matched up with the engine control parts list (CPL) when possible. Engine parts are not listed with fuel pump calibrations. When in doubt, check the CPL list.
10. The calibration values in this manual are printed from a computer tape. In some codes the MVS fuel pump parts are listed in the VS columns. Check the fuel pump nameplate for the correct assembly number and type.
11. Due to computer limitations, the following fuel pump codes have been changed:

Old DC1000	New CA00
DC1100	CB00
DC1200	CC00
DC1300	CD00
DC1400	CE00
DC1500	CF00
DC1600	CG00
K0001	K001
K3019	K319
K7200	K200
K7300	K300
K7400	K400
K7500	K500
K7600	K600

12. Some fuel pump codes have a letter "B" or "C" following the engine rated speed. These codes have a torque peak rating higher or lower than standard. Refer to the engine sales curve for the engine model involved. This letter is also stamped on the engine dataplate following the rated speed.

Fuel Pump Certification and Modifications

Abbreviations are used on line 41 of the calibration tables to signify those calibrations that are emission certified.

Abbreviations are as follows:

EPA	U.S.A. Environmental Protection Agency
Calif., CARB	California Air Resources Board
BSAU	British Standards for Automotive
Austr.	Australia Certification
TUV	German Certification (Technische Überwachungsverein)

Modifications of the fuel pump are permitted within certain limits. The fuel pump assembly is not certified. Fuel pump parts may be changed to allow for wear or operating conditions. Fuel pump performance is certified within the following limits.

AFC or aneroid setting values.

Fuel rates at rated speed.

Fuel rate at peak torque.

Idle speed (low).

Governor setting speed (high idle).

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 4500-C - 4506-A

1 Pump Code	4500-C	4501-C	4503-A	4504-B	4505-D	4506-A	1
2 Date - Control Parts List	AUG91 - 0838	AUG91 - 0838	SEP92 - 0553	AUG91 - 0838	NOV88 - 1187	SEP92 - 0908	2
3 Test HP @ RPM	306 - 324 @ 1800	306 - 324 @ 2100	304 - 316 @ 2100	294 - 306 @ 2100	279 - 291 @ 1600	441 - 459 @ 2100	3
4 Governed Speed-RPM	1800	2100		2100			4
5 Engine Fuel PSI	125 - 139	137 - 151	100 - 110	126 - 140	99 - 109	168 - 186	5
6 Fuel Rate Pound Per Hour	104 - 108	111 - 115	112 - 116	106 - 110	88 - 92	159 - 165	6
7 Intake Manifold Press. In./Hg	33 - 41	36 - 44	32 - 40	35 - 43	27 - 33	47 - 55	7
8 Torque Rise % - Curve	25 -	46 -	30 -	53 -	23 -	20 -	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300		- @ 1300			9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850	2130 - 2150	2130 - 2150	2130 - 2150	1620 - 1640	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2400 @ 15	2457 @ 15	1872 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1967 @ 15	2243 @ 15		2236 @ 15	1770 @ 15		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	38 @ 500	41 @ 500	44 @ 750	40 @ 500	42 @ 500	39 @ 600	22
23 Idle Speed cc @ RPM-Auto.	220 @ 640	220 @ 640	220 @ 875	220 @ 640	230 @ 640	215 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	132 @ 1800	144 @ 2100	113 @ 2100	133 @ 2100	104 @ 1600	185 @ 2100	25
26 Calibration Flow	398	418	388	398	340	663	26
27 Check Point (1) PSI @ RPM	106 - 113 @ 1300	107 - 114 @ 1300	87 - 94 @ 1400	106 - 113 @ 1300	82 - 89 @ 1100	128 - 135 @ 1400	27
28 Check Point (1) Flow	359	359	342	357	305	548	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	27 - 141632	27 - 141632	45 - 138862	22 - 141630	22 - 141630	25 - 141631	34
35 Fuel Pump Housing	3059632	3059632		3059632	3063897		35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004752 - .000	143254 - .000	3004753 - .000	3004754 - .000	143256 - .000	153238 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040760	3040750	3040750	3040850	3040750	40
41 Torque Spring - Shims - Gage Height	3053157 - .085 -	3002057 - .050 -	3002058 - .030 -	3002052 - .025 -	136802 - .040 -	3053165 - .075 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI			6 - 2.9			8 - 3.9	48
49 AFC RPM - PSI	1600 - 41	1600 - 41	1600 - 52	1600 - 41	1100 - 50	1600 - 46	49
50 AFC Flow - pph	218	218	260	218	227	298	50
51 AFC Spring - Gage Height-In.	179828 -	179828 -	179818 -	179828 -	179824 -	179834 -	51
52 AFC Bias Spring	3051071	3051071		3051071	3051071		52
53 AFC No Air RPM - PSI	1600 - 48	1600 - 48	1600 - 77	1600 - 48	1100 - 53	1600 - 66	53
54 AFC No Air Flow	234	234	320	234	235	393	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve			3028325			3028325	61
62 Certified Year/Agency	1988 CARB	1988 CARB		1988 CARB	1988 EPA		62
63 Certified Year/Agency	1991 EPA	1991 EPA		1991 EPA			63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-315	NTC-315	NTA-855-C	NTC-300	NT-FT-285	NTA-855-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; REF. USE .170 SHIMS ON GOVERNOR SPRING. USE 3059632 HSG. MINIMUM GOVERNOR CHECK OF 1967 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071. INSTALL SEALS AFTER CALIBRATION.
- (2) PRESSURIZED GEAR PUMP; USE A 3059632 HOUSING; REF. USE .110 SHIMS ON GOV. MINIMUM GOVERNOR CHECK OF 2243 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071. INSTALL SEALS AFTER CALIBRATION.
- (3) PRESSURIZED GEAR PUMP; USE A 3043254 HOUSING FOR USE WITH CHECK VALVE. REF. USE .125 SHIMS ON GOVERNOR. MINIMUM GOVERNOR CHECK OF 2250 RPM AT 15 PSI
- (4) PRESSURIZED GEAR PUMP; USE A 3059632 HOUSING USE A CLASS FIT AFC ASSEMBLY P/N 3058944. USE A 3051071 AFC BIAS SPRING. REF. USE .140 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2236 RPM @ 15 PSI.
- (5) PRESSURIZED GEAR PUMP; USE A 3063897 HOUSING USE A CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071. REF. USE .195 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1770 RPM AT 15 PSI
- (6) PRESSURIZED GEAR PUMP; USE A 3043254 HOUSING FOR USE WITH CHECK VALVE ONLY] REF. USE .175 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2305 RPM AT 15 PSI

1 Pump Code	4507-A	4508-A	4509-A	4510-B	4511-B	4512-A	1
2 Date - Control Parts List	MAR88 - 0814	DEC89 - 0365	DEC89 - 0653	JUN93 - 0719	AUG91 - 0838	NOV91 - 1210	2
3 Test HP @ RPM	392 - 408 @ 1800	318 - 332 @ 1800	441 - 459 @ 2100	279 - 291 @ 2100	265 - 275 @ 1900	431 - 457 @ 2100	3
4 Governed Speed-RPM					1900		4
5 Engine Fuel PSI	164 - 182	95 - 105	187 - 207	172 - 190	104 - 114	198 - 218	5
6 Fuel Rate Pound Per Hour	129 - 135	114 - 118	162 - 168	101 - 105	94 - 98	154 - 160	6
7 Intake Manifold Press. In./Hg	41 - 49	30 - 38	54 - 64	39 - 47	30 - 38	49 - 57	7
8 Torque Rise % - Curve	7 -	3 -	20 -	27 -	34 -	26 -	8
9 Torque Peak - PSI @ RPM					- @ 1300		9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850	1880 - 1900	2130 - 2150	2130 - 2150	1930 - 1950	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2156 @ 15	2457 @ 15	2457 @ 15	2223 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI				2230 @ 15	2036 @ 15	2302 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	37 @ 500	41 @ 500	39 @ 500	37 @ 500	35 @ 500	37 @ 500	22
23 Idle Speed cc @ RPM-Auto.	210 @ 630	210 @ 590	220 @ 660	220 @ 640	220 @ 630	220 @ 630	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	173 @ 1800	107 @ 1800	197 @ 2100	181 @ 2100	109 @ 1900	208 @ 2100	25
26 Calibration Flow	488	405	765	325	355	370	26
27 Check Point (1) PSI @ RPM	115 - 122 @ 1300	87 - 93 @ 1500	122 - 129 @ 1400	109 - 116 @ 1300	86 - 93 @ 1300	161 - 168 @ 1500	27
28 Check Point (1) Flow	395	367	595	247	317	327	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	22 - 141630	47 - 140924	27 - 141632	30 - 141633	35 - 140922	22 - 141630	34
35 Fuel Pump Housing				3060695	3059632	3054997	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153232 - .000	143253 - .000	3001155 - .000	153232 - .115	3036899 - .000	143253 - .000	37
38 Gear Pump Size In.	.750	.750	1.000	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138999 - .025	3053159 - .045	3053158 - .050	139587 - .020	3002055 - .015	3053163 - .075	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	4 - 1.9	4 - 1.9	12 - 5.8			8 - 3.9	48
49 AFC RPM - PSI	1600 - 25	1600 - 31	1600 - 48	1600 - 41		1600 - 36	49
50 AFC Flow - pph	162	190	289	218		142	50
51 AFC Spring - Gage Height-In.	179828 -	179820 -	3007694 -	179828 -		3007696 -	51
52 AFC Bias Spring				3051071			52
53 AFC No Air RPM - PSI	1600 - 53	1600 - 32	1600 - 61	1600 - 48		1600 - 47	53
54 AFC No Air Flow	249	205	382	234		159	54
55 ASA Valve						3062159	55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1987 EPA				1988 CARB	1988 CARB	62
63 Certified Year/Agency					1991 EPA		63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	BCIV-400	NTA-855-P	NTTA-855-P	NT-855-L5	NTC-300	NTC-444	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)		SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3043254 HOUSING REF. USE .080 SHIMS ON GOVERNOR SPRING. DATAPLATE MUST BE STAMPED FIELD FIX FF126 PER REVISION. MINIMUM GOVERNOR CHECK OF 2012 RPM @ 15 PSI.
- (2) PRESSURIZED GEAR PUMP; USE A 3043254 HOUSING CHECK VALVE ONLY. REF. USE .080 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2022 RPM @ 15 PSI.
- (3) PRESSURIZED GEAR PUMP; USE A 3043254 HOUSING REF. USE .090 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2305 RPM @ 15 PSI.
- (5) PRESSURIZED GEAR PUMP; USE A 3059632 HOUSING USE A CLASS FIT AFC ASSEMBLY P/N 3058944. USE A 3051071 AFC BIAS SPRING. REF. USE .190 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2036 RPM AT 15 PSI SHIM TORQUE SPRING HEIGHT .614 IN.
- (6) PRESSURIZED GEAR PUMP; USE A 3054997 HOUSING. AIR SIDE ASA 3062159. REF. USE .115 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI USE A CLASS FIT AFC ASSEMBLY 3041494. INSTALL SEALS AFTER CALIBRATION.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 4513-D - 4518-B

1 Pump Code	4513-D	4514-E	4515-G	4516-F	4517-B	4518-B	
2 Date - Control Parts List	MAY91 - 1211	MAY91 - 1211	MAY91 - 1211	MAY91 - 1211	JAN90 - 1187	JAN90 - 1187	1
3 Test HP @ RPM	392 - 408 @ 1900	358 - 372 @ 1900	388 - 412 @ 2100	358 - 372 @ 2100	279 - 291 @ 1700	270 - 281 @ 1700	2
4 Governed Speed-RPM	1900	1900	2100	2100			3
5 Engine Fuel PSI	169 - 187	147 - 163	175 - 193	152 - 168	102 - 112	98 - 108	4
6 Fuel Rate Pound Per Hour	132 - 138	123 - 129	139 - 145	127 - 133	89 - 93	87 - 91	5
7 Intake Manifold Press. In./Hg	38 - 46	34 - 42	39 - 47	36 - 44	27 - 35	27 - 33	6
8 Torque Rise % - Curve	20 -	31 -	32 -	45 -	31 -	24 -	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300			8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	1930 - 1950	2130 - 2150	2130 - 2150	1720 - 1740	1720 - 1740	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2223 @ 15	2457 @ 15	2457 @ 15	1989 @ 15	1989 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2101 @ 15	2083 @ 15	2282 @ 15	2266 @ 15	1860 @ 15	1855 @ 15	14
16 BS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.					43 @ 500	41 @ 500	21
23 Idle Speed cc @ RPM-Auto.	200 @ 700	200 @ 700	200 @ 700	200 @ 700	230 @ 640	230 @ 640	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	178 @ 1900	155 @ 1900	184 @ 2100	159 @ 2100	107 @ 1700	103 @ 1700	24
26 Calibration Flow	324	304	317	310	340	331	25
27 Check Point (1) PSI @ RPM	132 - 139 @ 1300	133 - 139 @ 1300	133 - 140 @ 1300	132 - 139 @ 1300	83 - 90 @ 1100	75 - 82 @ 1100	26
28 Check Point (1) Flow	276	281	268	282	300	282	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	15 - 139894	17 - 140417	15 - 139894	22 - 141630	27 - 141632	33
35 Fuel Pump Housing	3060695	3060695	3043254	3060695	3063897	3063897	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	144490 - .000	3004754 - .000	153235 - .000	3004754 - .000	143256 - .000	3036897 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040760	3040850	3040850	39
41 Torque Spring - Shims - Gage Height	3053158 - .090 -	3053163 - .100 -	3002058 - .030 -	3821489 - .045 -	3002054 - .015 -	138802 - .055 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9			47
49 AFC RPM - PSI	1300 - 30	1300 - 30	1300 - 30	1300 - 30	1100 - 50	1100 - 50	48
50 AFC Flow - pph	108	108	108	108	227	227	49
51 AFC Spring - Gage Height-In.	3007694 -	3007694 -	3007694 -	3007694 -	179824 -	179824 -	50
52 AFC Bias Spring					3051071	3051071	51
53 AFC No Air RPM - PSI	1300 - 51	1300 - 51	1300 - 51	1300 - 51	1100 - 53	1100 - 53	52
54 AFC No Air Flow	148	148	148	148	235	235	53
55 ASA Valve	3042360	3042360		3042360			54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 EPA	1988 EPA	61
63 Certified Year/Agency	1991 EPA	1991 EPA	1991 EPA	1991 EPA			62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-400	88NT-365	NTC-400	NTC-365	NT-FT-285	NT-FT-285	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING USE A 3042360 HYD. ASA. REF: USE .155 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2101 RPM @ 15 PSI
- (2) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING. USE A 3042360 HYD. ASA. REF: USE .115 SHIMS ON GOVERNOR. MINIMUM GOVERNOR CHECK OF 2083 RPM @ 15 PSI.
- (3) USE A 3060695 HOUSING. MINIMUM GOVERNOR CHECK OF 2282 @ 15 PSI. USE ASA P/N 3042360. REF: .115 SHIM ON GOVERNOR. PRESSURIZED GEAR PUMP. INSTALL SEALS AFTER CALIBRATION.
- (4) PRESSURIZED GEAR PUMP; USE A 3060695 HSG. USE A 3042360 HYD. ASA. REF: USE .125 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2266 RPM AT 15 PSI
- (5) PRESSURIZED GEAR PUMP; USE A 3063897 HOUSING USE A CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071. REF: USE .210 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1860 RPM AT 15 PSI
- (6) PRESSURIZED GEAR PUMP; USE A 3063897 HOUSING USE A CLASS FIT AFC ASSEMBLY 3058944; AFC BIAS SPRING P/N 3051071 REF: USE .150 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1855 RPM @ 15 PSI.

1 Pump Code	4519-C	4520-F	4521-F	4523-B	4524-C	4525-F	1
2 Date - Control Parts List	JAN90 - 1187	MAY91 - 1211	APR91 - 1256	AUG91 - 0840	JUN92 - 1204	MAY91 - 1211	2
3 Test HP @ RPM	276 - 294 @ 1600	354 - 376 @ 1800	435 - 453 @ 2100	343 - 357 @ 2000	316 - 328 @ 1900	392 - 408 @ 1800	3
4 Governed Speed-RPM		1800		2000		1800	4
5 Engine Fuel PSI	101 - 111	149 - 163	173 - 191	147 - 163	101 - 111	164 - 182	5
6 Fuel Rate Pound Per Hour	88 - 92	120 - 125	158 - 164	118 - 122	109 - 113	131 - 137	6
7 Intake Manifold Press. In./Hg	27 - 33	33 - 41	41 - 49	36 - 44	33 - 41	37 - 45	7
8 Torque Rise % - Curve	23 -	24 -	26 -	31 -	13 -	14 -	8
9 Torque Peak - PSI @ RPM		- @ 1300		- @ 1300		- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM		1830 - 1850		2030 - 2050	1930 - 1950	1830 - 1850	10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	63 - 79 @ 1688		115 - 130 @ 2205				13
14 Max. Auto. Gov. Check-RPM @ PSI	1854 @ 15	2106 @ 15	2428 @ 15	2340 @ 15	2140 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1755 @ 15	1994 @ 15	2277 @ 15	2167 @ 15	2050 @ 15	2012 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	43 @ 500		50 @ 500	37 @ 500	32 @ 750		22
23 Idle Speed cc @ RPM-Auto.	230 @ 640	200 @ 700	220 @ 630	220 @ 630	240 @ 800	200 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	106 @ 1600	154 @ 1800	182 @ 2100	155 @ 2000	113 @ 1900	173 @ 1800	25
26 Calibration Flow	337	280	342	428	393	300	26
27 Check Point (1) PSI @ RPM	85 - 92 @ 1100	132 - 139 @ 1300	148 - 157 @ 1500	112 - 119 @ 1300	87 - 94 @ 1400	132 - 138 @ 1300	27
28 Check Point (1) Flow	303	261	307	362	347	259	28
29 Check Point (2) PSI @ RPM			77 - 89 @ 910				29
30 Check Point (2) Flow			222				30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.790 - 3074242	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	22 - 141630	15 - 139894	27 - 141632	25 - 141631	45 - 138862	17 - 140417	34
35 Fuel Pump Housing	3063897	3060695	3059632	3060695	3060695	3043254	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143256 - .000	3004751 - .000	3001147 - .080	153235 - .000	153235 - .000	153235 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040850	3040760	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053158 - .080 - .580	3053162 - .080 -	3053164 - .075 -	3002057 - .010 -	138799 - .055 -	3053158 - .060 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3058944		3067834				47
48 AFC In./Hg - PSI		8 - 3.9	8 - 3.9	8 - 3.9	6 - 2.9	8 - 3.9	48
49 AFC RPM - PSI	1100 - 50	1300 - 30	1600 - 73	1300 - 52	1400 - 45	1300 - 30	49
50 AFC Flow - pph	227	108	207	234	240	108	50
51 AFC Spring - Gage Height-In.	179824 -	3007694 -	3007696 -	179830 -	179818 -	3007694 -	51
52 AFC Bias Spring	3051071		3067831				52
53 AFC No Air RPM - PSI	1100 - 53	1300 - 51	1600 - 49	1300 - 54	1400 - 64	1300 - 51	53
54 AFC No Air Flow	235	148	164	238	297	148	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1988 EPA	1988 CARB	1989 CARB	1989 CARB		1988 CARB	62
63 Certified Year/Agency		1991 EPA		1991 EPA		1991 EPA	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NT-FT-285	NTC-365	'89 NTC-444	NTC-350	NTA-855-C	NTC-400	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3063897 HOUSING USE A 3058944 CLASS FIT AFC ASSEMBLY; AFC BIAS SPRING 3051071. REF. USE .195 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1755 RPM AT 15 PSI SHIM TO CRUISE SPEED (1688 RPM) RAIL PRESSUR TO 63-79 PSI. INSTALL SEALS AFTER CALIBRATION.
- (2) PRESSURIZED GEAR PUMP; USE A 3060695 HSG. USE A 3042360 HYD. ASA. REF. USE 0.240 SHIM ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1994 RPM AT 15 PSI INSTALL SEALS AFTER CALIBRATION.
- (3) PRESSURIZED GEAR PUMP; USE A 3059632 HOUSING USE A CLASS FIT AFC ASSY P/N 3067834. USE A 3067831 BIAS SPRING. SHIM CRUISE SPEED (2205 RPM) RAIL PRESSURE TO 115-130 PSI. MIN. GOV. CHECK OF 2277 RPM @ 15 PSI. REF. USE .095 SHIMS ON GOVERNOR SPRING. CK.PT. 2 77-89 PSI @ 222 LB./HR. @ 840 RPM. CONTAINS STEEL PRELOADED WT. ASST.
- (4) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING USE A 3042360 HYD. ASA. REF. USE .140 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2167 RPM AT 15 PSI
- (5) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING FOR USE WITH CHECK VALVE ONLY SPECIAL IDLE SETTING FOR VME. REF. USE .155 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2050 RPM AT 15 PSI
- (6) USE A PRESSURIZED GEAR PUMP; USE A 3043254 HOUSING; USE A 3042360 HYD ASA. REF. USE .095 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2012 RPM AT 15 PSI

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 4526-A - 4531-A

1 Pump Code	4526-A	4527-A	4528-A	4529-A	4530-A	4531-A	1
2 Date - Control Parts List	JUN93 - 1204	SEP92 - 1204	JUN93 - 1204	JUN93 - 1204	JUN93 - 1204	JUN93 - 1204	2
3 Test HP @ RPM	353 - 367 @ 2100	353 - 367 @ 2100	328 - 342 @ 2100	328 - 342 @ 2100	304 - 316 @ 2100	304 - 316 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	122 - 134	122 - 134	110 - 122	110 - 122	99 - 109	99 - 109	5
6 Fuel Rate Pound Per Hour	125 - 131	125 - 131	119 - 123	119 - 123	110 - 114	110 - 114	6
7 Intake Manifold Press. In./Hg	42 - 50	39 - 47	38 - 46	38 - 46	36 - 44	36 - 44	7
8 Torque Rise % - Curve	20 -	20 -	20 -	20 -	30 -	30 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2400 @ 15	2400 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	30 @ 500	29 @ 500	29 @ 500	29 @ 500	37 @ 800	37 @ 800	22
23 Idle Speed cc @ RPM-Auto.	240 @ 640	240 @ 640	240 @ 640	240 @ 640	235 @ 865	235 @ 865	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	128 @ 2100	135 @ 2100	116 @ 2100	123 @ 2100	104 @ 2100	111 @ 2100	25
26 Calibration Flow	438	438	415	415	392	392	26
27 Check Point (1) PSI @ RPM	89 - 96 @ 1400	95 - 101 @ 1400	80 - 87 @ 1400	85 - 92 @ 1400	80 - 87 @ 1400	86 - 93 @ 1400	27
28 Check Point (1) Flow	364	366	344	345	347	348	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	45 - 138862	40 - 137370	50 - 140925	47 - 140924	50 - 140925	47 - 140924	34
35 Fuel Pump Housing			3060695				35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	153237 - .000	153237 - .000	153237 - .000	3004753 - .000	3004753 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053161 - .095 -	3053161 - .095 -	3053161 - .095 -	3053161 - .095 -	3002058 - .025 -	3002058 - .025 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly			3031298				47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	48
49 AFC RPM - PSI	1400 - 45	1400 - 45	1400 - 45	1400 - 45	1400 - 45	1400 - 45	49
50 AFC Flow - pph	240	240	240	240	240	240	50
51 AFC Spring - Gage Height-In.	179818 -	179818 -	179818 -	179818 -	179818 -	179818 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1400 - 64	1400 - 64	1400 - 64	1400 - 64	1400 - 64	1400 - 64	53
54 AFC No Air Flow	297	297	297	297	297	297	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		3028325		3028325		3028325	61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-C	NTA-855-C	NTA-855-C	NTA-855-C	NTA-855-C	NTA-855-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING REF. USE .070 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2264 RPM AT 15 PSI
- (2) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING FOR CHECK VALVE ONLY REF. USE .065 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2264 RPM AT 15 PSI
- (3) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING REF. USE .065 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2252 RPM AT 15 PSI
- (4) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING FOR USE WITH CHECK VALVE ONLY REF. USE .065 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2252 RPM AT 15 PSI
- (5) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING REF. USE .145 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2240 RPM AT 15 PSI
- (6) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING FOR USE WITH CHECK VALVE ONLY REF. USE .145 SHIMS ON AUTO GOVERNOR SPRING MINIMUM GOVERNOR CHECK OF 2240 RPM AT 15 PSI

1 Pump Code	4532-A	4533-A	4534-A	4535-A	4536-D	4537-E	
2 Date - Control Parts List	JUN92 - 0769	JAN90 - 1187	JUN92 - 1204	MAY93 - 1193	JAN90 - 1187	MAY91 - 1188	1
3 Test HP @ RPM	309 - 321 @ 2100	270 - 281 @ 1750	274 - 285 @ 2100	426 - 444 @ 1800	291 - 309 @ 1700	343 - 357 @ 1700	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	149 - 165	98 - 108	86 - 96	150 - 166	109 - 121	137 - 151	4
6 Fuel Rate Pound Per Hour	112 - 116	88 - 92	100 - 104	148 - 154	93 - 97	112 - 116	5
7 Intake Manifold Press. In./Hg	32 - 40	27 - 35	31 - 39	45 - 53	28 - 36	36 - 44	6
8 Torque Rise % - Curve	46 -	39 -	16 -	6 -	24 -	23 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	1770 - 1790	2130 - 2150	1830 - 1850			10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM					72 - 82 @ 1793	92 - 103 @ 1823	12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2048 @ 15	2457 @ 15	2106 @ 15	1971 @ 15	1966 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI		1900 @ 15			1855 @ 15	1881 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	40 @ 500	45 @ 500	23 @ 500	52 @ 600	40 @ 500		21
23 Idle Speed cc @ RPM-Auto.	220 @ 630	230 @ 640	240 @ 640	230 @ 760	230 @ 620	220 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	157 @ 2100	103 @ 1750	91 @ 2100	166 @ 1800	115 @ 1700	144 @ 1700	24
26 Calibration Flow	354	340	364	597	364	270	25
27 Check Point (1) PSI @ RPM	127 - 133 @ 1300	84 - 90 @ 1100	55 - 61 @ 1300	118 - 125 @ 1400	82 - 88 @ 1100	104 - 111 @ 1100	26
28 Check Point (1) Flow	317	309	281	502	311	228	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	20 - 141629	65 - 141637	27 - 141632	25 - 141631	12 - 141626	33
35 Fuel Pump Housing	3060695	3063897			3063897	3060740	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3004752 - .000	143256 - .000	153232 - .000	153237 - .000	3036897 - .000	3036894 - .000	36
38 Gear Pump Size In.	.750	.750	.750	1.000	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040850	3040850	39
41 Torque Spring - Shims - Gage Height	3035817 - .000 -	3002056 - .020 -	3002055 - .015 -	3053162 - .000 -	138802 - .050 -	3053159 - .070 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	8 - 3.9		6 - 2.9	8 - 3.9		8 - 3.9	47
49 AFC RPM - PSI	1600 - 67	1100 - 50	1400 - 45	1400 - 67	1100 - 50	1100 - 37	48
50 AFC Flow - pph	219	227	240	360	227	120	49
51 AFC Spring - Gage Height-In.	179830 -	179824 -	179818 -	179822 -	179824 -	179834 -	50
52 AFC Bias Spring		3051071			3051071		51
53 AFC No Air RPM - PSI	1600 - 53	1100 - 53	1400 - 55	1400 - 65	1100 - 53	1100 - 51	52
54 AFC No Air Flow	190	235	272	353	235	148	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve				3028325			60
62 Certified Year/Agency	1988 EPA	1988 EPA			1988 EPA	1989 EPA	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-350	NT-FT-285	NTA-855-C	NTA-855-C-435	NT-FT-300	NTC FLEET 350	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP; USE 3060695 HOUSING; MINIMUM GOVERNOR CHECK OF 2243 RPM @ 15 PSI.
- (2) PRESSURIZED GEAR PUMP; USE A 3063897 HOUSING USE A CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071. REF.: USE .160 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1900 RPM AT 15 PSI
- (3) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING REF.: USE .090 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2227 RPM AT 15 PSI
- (4) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING FOR USE WITH CHECK VALVE ONLY; REF.: USE .080 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2031 RPM AT 15 PSI; SPECIAL 700-800 RPM IDLE.
- (5) PRESSURIZED GEAR PUMP; USE A 3063897 HOUSING USE A 3058944 CLASS FIT AFC ASSEMBLY; AFC BIAS SPRING 3051071. REF.: USE .180 SHIMS ON GOVERNOR SPRING SHIM TO CRUISE SPEED (1793 RPM) CRUISE RAIL PRESSURE 72-82 PSI MINIMUM GOVERNOR CHECK OF 1855 RPM AT 15 PSI INSTALL SEALS AFTER CALIBRATION.
- (6) PRESSURIZED GEAR PUMP; USE A 3060740 HOUSING REF.: USE .200 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1881 RPM @ 15 PSI. SHIM TO CRUISE SPEED (1823 RPM) RAIL PRESSUR TO 92-103 PSI.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 4538-A - 4544-A

1 Pump Code	4538-A	4540-A	4541-D	4542-B	4543-C	4544-A	1
2 Date - Control Parts List	JUN93 - 1204	JUN93 - 1193	MAY91 - 1188	AUG91 - 0838	JAN90 - 1187	DEC88 - 1210	2
3 Test HP @ RPM	304 - 316 @ 2100	441 - 459 @ 2100	314 - 326 @ 1600	294 - 306 @ 1700	270 - 281 @ 1750	417 - 434 @ 1900	3
4 Governed Speed-RPM				1700			4
5 Engine Fuel PSI	99 - 109	170 - 188	118 - 130	113 - 125	98 - 108	177 - 195	5
6 Fuel Rate Pound Per Hour	110 - 114	162 - 168	101 - 105	97 - 101	88 - 92	144 - 150	6
7 Intake Manifold Press. In./Hg	36 - 44	54 - 64	31 - 39	31 - 39	27 - 35	48 - 56	7
8 Torque Rise % - Curve	30 -	20 -	26 -	8 -	39 -	19 -	8
9 Torque Peak - PSI @ RPM				- @ 1300			9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150		1730 - 1750		1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM			80 - 86 @ 1723		64 - 74 @ 1844		13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	1872 @ 15	1989 @ 15	2032 @ 15	2223 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI			1791 @ 15	1869 @ 15	1885 @ 15		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	30 @ 500	38 @ 500		33 @ 500	41 @ 500	39 @ 500	22
23 Idle Speed cc @ RPM-Auto.	240 @ 640	230 @ 660	220 @ 700	220 @ 630	230 @ 640	220 @ 630	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	104 @ 2100	187 @ 2100	124 @ 1600	119 @ 1700	103 @ 1750	186 @ 1900	25
26 Calibration Flow	392	642	238	370	340	345	26
27 Check Point (1) PSI @ RPM	89 - 87 @ 1400	120 - 126 @ 1400	103 - 110 @ 1100	83 - 90 @ 1300	84 - 91 @ 1100	158 - 165 @ 1500	27
28 Check Point (1) Flow	346	507	218	308	306	318	28
29 Check Point (2) PSI @ RPM		400 - @					29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	50 - 140925	30 - 141633	12 - 141626	40 - 137370	20 - 141629	22 - 141630	34
35 Fuel Pump Housing			3060740	3063897	3063897		35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004753 - .000	153236 - .000	143256 - .000	153235 - .000	143256 - .000	3053102 - .000	37
38 Gear Pump Size In.	.750	1.000	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040850	3040850	3040850	3040750	40
41 Torque Spring - Shims - Gage Height	3002058 - .025 -	3053162 - .055 -	3053161 - .075 - .575	138999 - .000 -	3002056 - .015 -	3053164 - .050 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	6 - 2.9	8 - 3.9	8 - 3.9			8 - 3.9	48
49 AFC RPM - PSI	1400 - 45	1400 - 36	1300 - 45	1300 - 39	1100 - 50	1600 - 36	49
50 AFC Flow - pph	240	276	137	190	227	142	50
51 AFC Spring - Gage Height-In.	179818 -	179834 -	179834 -	179828 -	179824 -	3007696 -	51
52 AFC Bias Spring				3051071	3051071		52
53 AFC No Air RPM - PSI	1400 - 64	1400 - 62	1300 - 57	1300 - 43	1100 - 53	1600 - 47	53
54 AFC No Air Flow	297	342	166	205	235	159	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		3028325					61
62 Certified Year/Agency			1989 EPA	1989 CARB	1989 EPA		62
63 Certified Year/Agency				1991 EPA			63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-C	NTA-855-C	NTC-FL-320	NTC-300	NT-FT-285	NTC-444	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING REF.: USE .145 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2240 RPM AT 15 PSI
- (2) PRESSURIZED GEAR PUMP; USE A 3060695 FOR USE WITH CHECK VALVE ONLY REF.: USE .095 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2305 RPM @ 15 PSI.
- (3) PRESSURIZED GEAR PUMP; USE A 3060740 HOUSING REF.: USE .110 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1791 RPM @ 15 PSI. SHIM TO CRUISE SPEED (1723 RPM) RAIL PRESSUR TO 80-86 PSI.
- (4) PRESSURIZED GEAR PUMP; USE A 3063897 HOUSING USE A CLASS FIT AFC ASSEMBLY P/N 3058944. USE A 3051071 AFC BIAS SPRING. REF.: USE .170 SHIMS ON GOVERNOR. MINIMUM GOVERNOR CHECK OF 1869 RPM AT 15 PSI
- (5) PRESSURIZED GEAR PUMP; USE A 3063897 HOUSING USE A 3058944 CLASS FIT AFC ASSEMBLY. AFC BIAS SPRING 3051071. SHIM TO CRUISE SPEED (1844 RPM) RAIL PRESSURE 64-74 PSI. REF.: USE .160 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1885 RPM AT 15 PSI. INSTALL SEALS AFTER CALIBRATION.
- (6) PRESSURIZED GEAR PUMP; USE A 3059636 HOUSING USE A CLASS FIT AFC ASSEMBLY 3041494; USE A 3062159 AIR SIDE ASA. REF.: USE .205 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2114 RPM AT 15 PSI

1 Pump Code	4545-A	4546-B	4548-B	4549-A	4550-A	4551-A	
2 Date - Control Parts List	SEP91 - 0633	JUN93 - 1193	FEB91 - 0821	SEP91 - 0499	JUN92 - 1215	JAN89 - 0840	1
3 Test HP @ RPM	265 - 275 @ 1700	421 - 439 @ 2100	417 - 434 @ 1900	274 - 286 @ 2100	435 - 453 @ 2100	343 - 357 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	98 - 108	160 - 176	181 - 201	119 - 131	205 - 227	142 - 156	4
6 Fuel Rate Pound Per Hour	88 - 92	156 - 162	140 - 146	104 - 108	151 - 157	115 - 119	5
7 Intake Manifold Press. In./Hg	24 - 30	50 - 60	43 - 51	34 - 42	44 - 52	33 - 41	6
8 Torque Rise % - Curve	20 -	26 -	19 -	20 -	26 -	24 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press. - PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1730 - 1750	2130 - 2150	1930 - 1950	2170 - 2190	2130 - 2150	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	1989 @ 15	2457 @ 15	2223 @ 15	2497 @ 15	2457 @ 15	2223 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI		2295 @ 15					14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	34 @ 500	32 @ 500	35 @ 700	21 @ 500	40 @ 600	33 @ 500	21
23 Idle Speed cc @ RPM-Auto.	220 @ 630	230 @ 610	210 @ 750	200 @ 600	210 @ 680	210 @ 620	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	103 @ 1700	175 @ 2100	190 @ 1900	125 @ 2100	216 @ 2100	149 @ 1900	24
26 Calibration Flow	296	670	600	335	643	452	25
27 Check Point (1) PSI @ RPM	88 - 95 @ 1300	119 - 126 @ 1400	169 - 175 @ 1500	88 - 95 @ 1500	180 - 186 @ 1500	107 - 114 @ 1300	26
28 Check Point (1) Flow	278	550	570	280	585	381	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	32 - 141634	27 - 141632	15 - 139894	57 - 140926	12 - 141626	27 - 141632	33
35 Fuel Pump Housing		3060695					34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3052122 - .000	153237 - .100	3053111 - .000	143252 - .000	3051818 - .000	153235 - .000	36
38 Gear Pump Size In.	.750	1.000	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3053158 - .075 -	3053166 - .070 - .570	3053163 - .060 -	3053158 - .080 -	3821488 - .005 -	3053157 - .085 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	4 - 1.9	8 - 3.9	8 - 3.9		8 - 3.9		47
49 AFC RPM - PSI	1600 - 24	1400 - 36	1600 - 61		1600 - 33	1600 - 50	48
50 AFC Flow - pph	122	276	317		232	234	49
51 AFC Spring - Gage Height-In.	179826 -	179834 -	3007692 -		3007692 -	179832 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 47	1400 - 62	1600 - 49		1600 - 49	1600 - 58	52
54 AFC No Air Flow	191	342	322		322	253	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve		3028325					60
62 Certified Year/Agency	1989 EPA					1989 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-300	NTA-855-C450	NTC-444	NT-855-P	NTC-444	NTC-350	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

(1) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING REF. USE .225 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1852 RPM AT 15 PSI

(2) FOR CHECK VALVE ONLY

(3) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING REF. USE .280 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2114 RPM AT 15 PSI

(4) AFC; PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING. FOR WOODWARD GOVERNOR ONLY REF. USE .090 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2267 RPM AT 15 PSI.

(5) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING MINIMUM GOVERNOR CHECK OF 2302 RPM @ 15 PSI.

(6) PRESSURIZED GEAR PUMP; USE A 3059632 HOUSING. REF. USE .150 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2076 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 4552-A - 4557-F

1 Pump Code	4552-A	4553-B	4554-A	4555-A	4556-K	4557-F	1
2 Date - Control Parts List	AUG91 - 0840	JUN93 - 0909	JUN93 - 1193	OCT91 - 0840	OCT91 - 1280	OCT91 - 1280	2
3 Test HP @ RPM	314 - 326 @ 1800	392 - 408 @ 2100	441 - 459 @ 2100	343 - 357 @ 2100	431 - 457 @ 2100	416 - 432 @ 1900	3
4 Governed Speed-RPM	1800				2100	1900	4
5 Engine Fuel PSI	124 - 137	157 - 173	169 - 187	153 - 169	173 - 191	156 - 172	5
6 Fuel Rate Pound Per Hour	106 - 110	140 - 146	162 - 168	120 - 124	156 - 162	143 - 149	6
7 Intake Manifold Press. In./Hg	30 - 38	48 - 58	54 - 64	37 - 45	41 - 49	38 - 46	7
8 Torque Rise % - Curve	29 -	20 -	20 -	37 -	26 -	19 -	8
9 Torque Peak - PSI @ RPM	- @ 1300				- @ 1500	- @ 1400	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850	2130 - 2150	2130 - 2150	2130 - 2150	2120 - 2140	1920 - 1940	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2447 @ 15	2194 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1970 @ 15	2282 @ 15	2304 @ 15	2259 @ 15	2292 @ 15	2088 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	38 @ 500	32 @ 500	32 @ 500	33 @ 500	46 @ 600	47 @ 600	22
23 Idle Speed cc @ RPM-Auto.	220 @ 630	200 @ 650	230 @ 610	220 @ 630	220 @ 710	220 @ 710	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	130 @ 1800	173 @ 2100	178 @ 2100	161 @ 2100	182 @ 2100	164 @ 1900	25
26 Calibration Flow	398	499	642	439	344	322	26
27 Check Point (1) PSI @ RPM	112 - 119 @ 1300	116 - 122 @ 1400	113 - 120 @ 1400	112 - 118 @ 1300	151 - 157 @ 1500	133 - 140 @ 1400	27
28 Check Point (1) Flow	374	403	507	356	312	290	28
29 Check Point (2) PSI @ RPM					77 - 90 @ 930	76 - 87 @ 920	29
30 Check Point (2) Flow					218	215	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.790 - 3074242	.790 - 3074242	33
34 Idle Plunger Code - Part No.	22 - 141630	30 - 141633	32 - 141634	30 - 141633	25 - 141631	25 - 141631	34
35 Fuel Pump Housing	3060695	3060695	3060695	3059632	3059632	3059632	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3053101 - .000	3000940 - .170	153236 - .000	143253 - .000	3000935 - .105	3004750 - .200	37
38 Gear Pump Size In.	.750	.750	1.000	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053160 - .095 -	3053156 - .095 - .595	3053162 - .055 - .556	3002055 - .045 -	3053167 - .080 - .580	3053162 - .060 - .560	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly		3031298		3058944	3067834	3067834	47
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9		9 - 4.4	9 - 4.4	48
49 AFC RPM - PSI	1300 - 52	1400 - 58	1400 - 36	1600 - 50	1600 - 73	1600 - 73	49
50 AFC Flow - pph	234	276	276	234	207	207	50
51 AFC Spring - Gage Height-In.	179830 -	179824 -	179834 -	179832 -	3007696 -	3007696 -	51
52 AFC Bias Spring				3051071	3068170	3068170	52
53 AFC No Air RPM - PSI	1300 - 54	1400 - 76	1400 - 62	1600 - 58	1600 - 49	1600 - 49	53
54 AFC No Air Flow	238	321	342	253	164	164	54
55 ASA Valve	3042360						55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		3028325					61
62 Certified Year/Agency	1989 CARB			1989 CARB	1989 CARB	1989 CARB	62
63 Certified Year/Agency	1991 EPA			1991 EPA	1991 EPA	1991 EPA	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-350	NTA-855-P	NTA-855-P	NTC-350	'89 NTC-444	89-NT-424	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)				67

NOTES

(1) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING USE A 3042360 HYD. ASA. REF. USE .150 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1970 RPM @ 15 PSI.

(2) PRESSURIZED GEAR PUMP; FOR CHECK VALVE ONLY

(3) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING REF. USE .100 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2304 RPM @ 15 PSI.

1 Pump Code	4558-A	4559-A	4560-B	4561-A	4562-A	4563-A	1
2 Date - Control Parts List	SEP91 - 0413	JUN92 - 0769	NOV91 - 0633	MAY93 - 1255	JUN93 - 1204	JUN92 - 1204	2
3 Test HP @ RPM	191 - 199 @ 1800	343 - 357 @ 2100	265 - 275 @ 2100	353 - 367 @ 2100	328 - 342 @ 2100	245 - 255 @ 1714	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	116 - 128	179 - 197	110 - 122	122 - 134	114 - 126	69 - 77	5
6 Fuel Rate Pound Per Hour	73 - 75	125 - 131	95 - 99	125 - 131	119 - 123	84 - 88	6
7 Intake Manifold Press. In./Hg		37 - 45	28 - 36	39 - 47	38 - 46	23 - 29	7
8 Torque Rise % - Curve	2 -	22 -	48 -	20 -	20 -		8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1880 - 1900	2130 - 2150	2130 - 2150	2195 - 2215	2130 - 2150	1790 - 1810	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2005 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1953 @ 15	2259 @ 15	2223 @ 15	2329 @ 15	2252 @ 15	1853 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -		110 -	20
21 Throttle Travel-Auto., VS, Levtr	28 -	28 -	28 -	28 -		28 -	21
22 Idle Speed PSI @ RPM-Auto.	23 @ 500	35 @ 500	36 @ 500	32 @ 500	35 @ 500	23 @ 500	22
23 Idle Speed cc @ RPM-Auto.	200 @ 600	220 @ 630	220 @ 630	240 @ 640	240 @ 640	240 @ 640	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	122 @ 1800	188 @ 2100	116 @ 2100	128 @ 2100	120 @ 2100	73 @ 1714	25
26 Calibration Flow	292	409	318	438	407	328	26
27 Check Point (1) PSI @ RPM	90 - 97 @ 1500	112 - 119 @ 1300	92 - 98 @ 1300	89 - 96 @ 1400	80 - 87 @ 1400	53 - 60 @ 1400	27
28 Check Point (1) Flow	251	311	284	366	332	284	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	47 - 140924	27 - 141632	30 - 141633	40 - 137370	32 - 141634	67 - 141638	34
35 Fuel Pump Housing	3059646	3060695	3060695	3059646	3060770	3060695	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000939 - .000	3000939 - .000	143255 - .000	3000941 - .200	153232 - .000	143253 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height		138801 - .060 -	3821490 - .035 -	3002054 - .040 -	139587 - .020 -	138997 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly					3031298		47
48 AFC In./Hg - PSI		8 - 3.9	4 - 1.9		6 - 2.9	6 - 2.9	48
49 AFC RPM - PSI		1600 - 67	1600 - 24		1400 - 45	1400 - 45	49
50 AFC Flow - pph		219	122		240	240	50
51 AFC Spring - Gage Height-In.		179830 -	179826 -		179818 -	179818 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI		1600 - 53	1600 - 73		1400 - 64	1400 - 48	53
54 AFC No Air Flow		190	245		297	240	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency		1989 EPA	1989 EPA				62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N-855-P	NTC-350	NTC-300	NTA-855-C	NTA-855-L4	NTA-855-C	66
67 Notes	SEE NOTE (1)		SEE NOTE (3)		SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3059646 HOUSING FOR USE WITH EFC GOVERNOR ONLY] MINIMUM GOVERNOR CHECK OF 1953 RPM @ 15 PSI. REF: USE .085 SHIMS ON GOVERNOR SPRING.
- (3) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING REF: USE .160 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2223 RPM @ 15 PSI.
- (5) PRESS. GEAR PUMP; USE 3060770 HSG. P-1 ORIFICE SIZE 1 .021 & 1 BLNK. P-2 ORIFICE SIZE 1 .027 & 1 BLNK. P-3 ORIFICE SIZE 1 .03 & 1 BLNK. P-4 ORIFICE SIZE 1 .048 & 1 BLNK. AFTER CALIB SET THRTL SHFT TO GIVE 167 PSI 407 PPH @ 2100 RPM. MIN. GOV. CK. OF 2252 RP @ 15 PSI. REF: USE .110 SHIMS ON GOV. SPRING
- (6) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING FOR USE WITH WOODWARD GOVERNOR ONLY]] REF: USE .080 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1853 RPM AT 15 PSI

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 4564-A - 4569-A

1 Pump Code	4564-A	4565-A	4566-A	4567-A	4568-A	4569-A	1
2 Date - Control Parts List	JUN93 - 0909	JUN92 - 1204	JAN91 - 1286	MAY89 - 0531	SEP91 - 0588	DEC90 - 0838	2
3 Test HP @ RPM	392 - 408 @ 2100	270 - 281 @ 1800	431 - 457 @ 2100	392 - 408 @ 2100	392 - 408 @ 2100	306 - 324 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	157 - 173	81 - 89	173 - 191	148 - 164	148 - 164	124 - 138	5
6 Fuel Rate Pound Per Hour	140 - 146	93 - 97	156 - 162	140 - 146	140 - 146	104 - 108	6
7 Intake Manifold Press. In./Hg	48 - 58	26 - 32	41 - 49	39 - 47	39 - 47	33 - 41	7
8 Torque Rise % - Curve	20 -	8 -	26 - 1456	25 -	25 -	25 -	8
9 Torque Peak - PSI @ RPM						- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	1830 - 1850		2130 - 2150	2130 - 2150	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM			116 - 126 @ 2241				13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2447 @ 15	2457 @ 15	2457 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2282 @ 15	1946 @ 15	2292 @ 15	2282 @ 15	2282 @ 15	1967 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	35 @ 500	25 @ 500	53 @ 500	40 @ 500	40 @ 500	38 @ 500	22
23 Idle Speed cc @ RPM-Auto.	200 @ 650	240 @ 640	220 @ 630	190 @ 650	190 @ 650	220 @ 640	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	165 @ 2100	85 @ 1500	182 @ 2100	162 @ 2100	162 @ 2100	131 @ 1800	25
26 Calibration Flow	505	356	342	473	473	396	26
27 Check Point (1) PSI @ RPM	110 - 117 @ 1400	62 - 69 @ 1400	147 - 154 @ 1500	111 - 118 @ 1300	111 - 118 @ 1300	105 - 112 @ 1300	27
28 Check Point (1) Flow	410	308	306	389	389	357	28
29 Check Point (2) PSI @ RPM			73 - 86 @ 840				29
30 Check Point (2) Flow			210				30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.778 - 3067409	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	32 - 141634	60 - 140927	27 - 141632	22 - 141630	22 - 141630	27 - 141632	34
35 Fuel Pump Housing	3060695	3060695	3059632	3060695	3060695	3059632	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000940 - .000	3000941 - .000	143254 - .000	3000941 - .145	3000941 - .145	3004752 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053156 - .095 -	138997 - .045 -	3053168 - .065 -	3002058 - .025 -	3002058 - .025 -	3053157 - .085 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3031298					3058944	47
48 AFC In./Hg - PSI	8 - 3.9	6 - 2.9	7 - 3.4	10 - 4.9	10 - 4.9		48
49 AFC RPM - PSI	1400 - 58	1400 - 45	1600 - 95	1600 - 85	1600 - 85	1600 - 41	49
50 AFC Flow - gph	276	240	242	325	325	218	50
51 AFC Spring - Gage Height-In.	179824 -	179818 -	3007696 -	179826 -	179826 -	179828 -	51
52 AFC Bias Spring			3068170			3051071	52
53 AFC No Air RPM - PSI	1400 - 76	1400 - 57	1600 - 49	1600 - 39	1600 - 79	1600 - 48	53
54 AFC No Air Flow	321	282	164	220	333	234	54
55 ASA Valve			3062158				55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency			1989 CARB	1987 EPA		1989 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-C	NTA-855-P	89-NTC-444	NTC-400	NTC-400	NTC-315	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING REF. USE .170 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2282 RPM AT 15 PSI
- (2) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING REF. USE .150 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1946 RPM AT 15 PSI
- (3) PRESSURIZED GEAR PUMP; USE A 3059632 HOUSING USE A 3062158 AIR SIDE ASA. USE A CLASS FIT AFC ASSY. P/N 3067834. USE A 3068170 BIAS SPRING. SHIM CRUISE SPEED (2241) RPM RAIL PRESSURE TO 116-126 PSI. MINIMUM GOVERNOR CHECK OF 2292 RPM AT 15 PSI. REF. USE .220 SHIMS ON GOVERNOR SPRING. CK. PT. TWO 73-86 PSI @ 210 PPH @ 840 RPM. INSTALL SEALS AFTER CALIBRATION.
- (4) PRESSURIZED GEAR PUMP; USE A 3060695 HSG. REF. USE .145 SHIMS ON GOVERNOR SPRING. MINIMUM GOV. CHECK OF 2282 RPM @ 15 PSI. THIS CODE REPLACES CODE 3894 AND 4006.
- (5) PRESSURIZED GEAR PUMP; USE A 3060695 HSG. REF. USE .145 SHIMS ON GOVERNOR SPRING. MINIMUM GOV. CHECK OF 2282 RPM @ 15 PSI. THIS CODE REPLACES CODE 3958.
- (6) PRESSURIZED GEAR PUMP. REF. USE .170 SHIMS ON GOVERNOR SPRING. USE 3059632 HSG. MINIMUM GOVERNOR CHECK OF 1967 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071. INSTALL SEALS AFTER CALIBRATION. MEXICO CODE FROM FC4500

1 Pump Code	4570-A	4571-A	4572-A	4573-C	4574-A	4576-A	1
2 Date - Control Parts List	DEC90 - 0838	SEP91 - 0554	JUN92 - 1252	MAY91 - 1188	JUN93 - 0909	AUG91 - 0840	2
3 Test HP @ RPM	291 - 309 @ 1800	392 - 408 @ 2100	392 - 408 @ 2100	343 - 357 @ 1600	319 - 332 @ 1800	319 - 332 @ 1800	3
4 Governed Speed-RPM						1800	4
5 Engine Fuel PSI	119 - 131	149 - 165	157 - 173	135 - 149	109 - 121	126 - 140	5
6 Fuel Rate Pound Per Hour	99 - 103	139 - 145	138 - 144	110 - 114	109 - 113	107 - 111	6
7 Intake Manifold Press. In./Hg	32 - 40	42 - 50	48 - 56	34 - 42	36 - 44	32 - 40	7
8 Torque Rise % - Curve	14 -	20 -	20 -	15 -	8 -	27 -	8
9 Torque Peak - PSI @ RPM	- @ 1300					- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850	2130 - 2150	2195 - 2215		1830 - 1850	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM				86 - 98 @ 1731			13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2457 @ 15	2072 @ 15	2106 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1959 @ 15	2289 @ 15	2329 @ 15	1872 @ 15		1972 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI				1872 @ 15			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI				1808 @ 15			19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	32 @ 500	37 @ 500	37 @ 500	29 @ 500	38 @ 500	38 @ 500	22
23 Idle Speed cc @ RPM-Auto.	220 @ 640	200 @ 650	200 @ 650	220 @ 700	200 @ 650	220 @ 630	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	124 @ 1800	158 @ 2100	165 @ 2100	142 @ 1600	115 @ 1800	133 @ 1800	25
26 Calibration Flow	373	483	499	266	407	400	26
27 Check Point (1) PSI @ RPM	88 - 95 @ 1300	110 - 117 @ 1400	110 - 117 @ 1400	103 - 109 @ 1100	85 - 92 @ 1400	112 - 119 @ 1300	27
28 Check Point (1) Flow	314	401	404	224	351	370	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	40 - 137370	30 - 141633	30 - 141633	15 - 139894	45 - 138862	22 - 141630	34
35 Fuel Pump Housing	3059632	3060695	3059646	3060740		3060695	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153235 - .000	3000939 - .000	3000940 - .000	3036894 - .000	3000941 - .000	3004754 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040850	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138999 - .050 -	3053161 - .100 -	3002053 - .030 -	3053161 - .040 -	138996 - .040 -	3053159 - .090 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3058944						47
48 AFC In./Hg - PSI		6 - 2.9		8 - 3.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 41	1600 - 64		1100 - 37	1400 - 58	1300 - 52	49
50 AFC Flow - pph	218	275		120	276	234	50
51 AFC Spring - Gage Height-In.	179828	179818		179834	179824	179830	51
52 AFC Bias Spring	3051071						52
53 AFC No Air RPM - PSI	1600 - 48	1600 - 82		1100 - 51	1400 - 76	1300 - 54	53
54 AFC No Air Flow	234	330		148	321	238	54
55 ASA Valve						3042360	55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1989 CARB			1989 EPA		1989 CARB	62
63 Certified Year/Agency						1991 EPA	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-300	NTA-855-C	NTA-855-C	NTC-FT-350	NTA-855-P	NTC-350	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3059632 HOUSING. REF. USE .155 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1959 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071. INSTALL SEALS AFTER CALIBRATION. MEXICO CODE FROM FC 4492
- (2) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING REF. USE .065 SHIMS ON GOVERNOR SPRING MINIMUM GOVERNOR CHECK OF 2289 RPM AT 15 PSI THIS CODE REPLACES CODE 4134
- (3) PRESSURIZED GEAR PUMP; USE A 3059646 HOUSING FOR EFC GOVERNOR ONLY REF. USE .175 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2329 RPM @ 15 PSI.
- (4) PRESSURIZED GEAR PUMP; USE A 3060740 HOUSING REF. USE .210 SHIMS ON GOV. SPRING. MINIMUM GOVERNOR CHECK OF 1808 RPM AT 15 PSI SHIM CRUISE SPEED (1731 RPM) RAIL PRESSURE TO (86-98 PSI)
- (5) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING MINIMUM GOVERNOR CHECK OF 1972 RPM AT 15 PSI REF. USE .165 SHIMS ON GOVERNOR SPRING.
- (6) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING USE A 3042360 HYD. ASA. REF. USE .170 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1972 RPM @ 15 PSI.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 4577-A - 4585-A

1 Pump Code	4577-A	4578-A	4579-A	4582-C	4583-A	4585-A	
2 Date - Control Parts List	FE891 - 0838	AUG89 - 0840	JUN93 - 1204	OCT91 - 1352	OCT91 - 1352	OCT91 - 1352	1
3 Test HP @ RPM	291 - 309 @ 1800	343 - 357 @ 1800	328 - 342 @ 2100	291 - 309 @ 1700	279 - 291 @ 1600	270 - 281 @ 1750	2
4 Governed Speed-RPM	1800			1700	1600	1750	3
5 Engine Fuel PSI	120 - 132	144 - 158	114 - 126	108 - 120	98 - 108	95 - 105	4
6 Fuel Rate Pound Per Hour	99 - 103	113 - 117	119 - 123	96 - 100	90 - 94	90 - 94	5
7 Intake Manifold Press. In./Hg	32 - 40	34 - 42	38 - 46	32 - 40	29 - 37	29 - 37	6
8 Torque Rise % - Curve	14 -	18 -	20 -	24 -	23 -	39 -	7
9 Torque Peak - PSI @ RPM	- @ 1300			- @ 1100	- @ 1100	- @ 1100	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1830 - 1850	1830 - 1850	2195 - 2215				10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM				71 - 81 @ 1808	64 - 74 @ 1725	67 - 72 @ 1882	12
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2106 @ 15	2522 @ 15	1990 @ 15	1872 @ 15	2048 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	1959 @ 15	1986 @ 15	2317 @ 15	1870 @ 15	1770 @ 15	1900 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lever	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	32 @ 500	38 @ 500	29 @ 500	47 @ 500	50 @ 500	53 @ 500	21
23 Idle Speed cc @ RPM-Auto.	220 @ 640	220 @ 630	240 @ 640	240 @ 650	240 @ 650	240 @ 650	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	125 @ 1800	151 @ 1800	120 @ 2100	116 @ 1700	103 @ 1600	100 @ 1750	24
26 Calibration Flow	375	426	407	377	362	358	25
27 Check Point (1) PSI @ RPM	89 - 96 @ 1300	113 - 119 @ 1300	80 - 87 @ 1400	82 - 88 @ 1100	80 - 87 @ 1100	80 - 86 @ 1100	26
28 Check Point (1) Flow	316	368	331	312	321	321	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	40 - 137370	25 - 141631	50 - 140925	22 - 141630	20 - 141629	17 - 140417	33
35 Fuel Pump Housing	3059632	3059632	3060695	3063897	3063897	3063897	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153235 - .000	143254 - .000	153232 - .000	3036894 - .220	3036898 - .140	143256 - .120	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040760	3040750	3040850	3040850	3040850	39
41 Torque Spring - Shims - Gage Height	138999 - .050 -	3053156 - .060 -	3002055 - .020 -	3053157 - .080 -	3053159 - .065 -	3053163 - .100 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3070591			3058944	3058944	3058944	46
48 AFC In./Hg - PSI			6 - 2.9				47
49 AFC RPM - PSI	1600 - 41	1600 - 50	1400 - 45	1100 - 33	1100 - 33	1100 - 33	48
50 AFC Flow - pph	218	234	240	185	185	185	49
51 AFC Spring - Gage Height-In.	179820 - .117	179832 -	179818 -	179822 -	179822 -	179822 -	50
52 AFC Bias Spring	3051069	3051071		3051069	3051069	3051069	51
53 AFC No Air RPM - PSI	1600 - 48	1600 - 58	1400 - 64	1100 - 38	1100 - 38	1100 - 38	52
54 AFC No Air Flow	234	253	297	202	202	202	53
55 ASA Valve				3062158	3062158	3062158	54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1991 EPA	1989 CARB		1990 CARB	1990 CARB	1990 CARB	61
63 Certified Year/Agency				1991 EPA	1991 EPA	1991 EPA	62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-300	NTC-350	NTA-855-P	'90' FLEET 300	90 FLEET 285	90-WT-FT-285	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3059632 HOUSING. REF: USE .155 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1959 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3070591. AFC BIAS SPRING 3051069. INSTALL SEALS AFTER CALIBRATION. AFC MAIN SPRING SHIMMING OF 1.32".
- (2) PRESSURIZED GEAR PUMP; USE A 3059632 HOUSING MINIMUM GOVERNOR CHECK OF 1986 RPM @ 15 PSI. REF.: USE .120 SHIMS ON GOVERNOR SPRING. USE CLASS FIT AFC ASSY 3058944. AFC BIAS SPRING 3051071.
- (3) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING REF: USE .115 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2317 RPM @ 15 PSI.
- (4) PRESSURIZED GEAR PUMP; USE A 3063897 HOUSING USE A 3058944 CLASS FIT AFC ASSY. AFC BIAS SPRING 3051069. USE AIR SIDE ASA P/N 3062158 (.024). REF. USE .220 SHIMS ON GOV. SPRING. MIN. GOV. CK. OF 1870 RPM @ 15 PSI. SHIM TO CRUISE SPEED (1808 RPM). RAIL PRESSURE TO 71-81 PSI. INSTALL SEALS AFTER CALIBRATION.
- (5) PRESSURIZED GEAR PUMP; USE A 3063897 HOUSING USE A 3058944 CLASS FIT AFC ASSEMBLY. (3051069)AFC BIAS SPRING. USE A 3062158 (.024)AIR SIDE ASA. SHIM TO CRUISE SPEED (1725 RPM) RAIL PRESSURE OF (64-74 PSI). MINIMUM GOVERNOR CHECK OF 1770 RPM @ 15 PSI REF. USE .140 SHIMS ON GOVERNOR SPRING.
- (6) PRESSURIZED GEAR PUMP; USE A 3063897 HSG.; USE A 3058944 CF AFC ASSY. AFC BIAS SPRING 3051069. USE A 3062158 (.024) AIR SIDE ASA. REF. USE .120 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1900 RPM @ 15 PSI. SHIM CRUISE SPEED (1882 RPM) RAIL TO 67 TO 72 PSI

1 Pump Code	4586-A	4588-A	4589-D	4590-B	4591-B	4592-A	1
2 Date - Control Parts List	OCT91 - 1352	JUN93 - 0909	MAY93 - 1532	MAR91 - 0910	MAR91 - 1210	MAR90 - 1210	2
3 Test HP @ RPM	279 - 291 @ 1700	319 - 332 @ 1800	340 - 360 @ 1600	435 - 453 @ 2100	435 - 453 @ 2100	417 - 434 @ 1900	3
4 Governed Speed-RPM	1700		1700				4
5 Engine Fuel PSI	100 - 110	109 - 121	106 - 118	198 - 218	198 - 218	177 - 185	5
6 Fuel Rate Pound Per Hour	92 - 96	109 - 113	114 - 118	154 - 160	154 - 160	144 - 150	6
7 Intake Manifold Press. In./Hg	30 - 38	36 - 44	35 - 43	49 - 57	49 - 57	48 - 56	7
8 Torque Rise % - Curve	31 -	8 -	18 -	26 -	26 -	19 -	8
9 Torque Peak - PSI @ RPM	- @ 1100	- @ 1400	- @ 1100	- @ 1500	- @ 1500	- @ 1500	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM		1880 - 1900		2130 - 2150	2130 - 2150	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	67 - 77 @ 1815		68 - 79 @ 1828				13
14 Max. Auto. Gov. Check-RPM @ PSI	1989 @ 15	2156 @ 15	1989 @ 15	2457 @ 15	2457 @ 15	2223 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1860 @ 15	2022 @ 15	1897 @ 15	2302 @ 15	2302 @ 15	2114 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -		110 -	110 -	110 -	20
21 Throttle Travel-Auto. - VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	46 @ 500	31 @ 500	40 @ 600	40 @ 600	40 @ 600	39 @ 500	22
23 Idle Speed cc @ RPM-Auto.	240 @ 650	200 @ 650	210 @ 710	220 @ 700	220 @ 700	220 @ 630	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	105 @ 1700	115 @ 1800	112 @ 1600	208 @ 2100	208 @ 2100	186 @ 1900	25
26 Calibration Flow	365	407	354	372	372	345	26
27 Check Point (1) PSI @ RPM	79 - 86 @ 1100	87 - 93 @ 1400	79 - 86 @ 1100	161 - 168 @ 1500	161 - 168 @ 1500	158 - 165 @ 1500	27
28 Check Point (1) Flow	314	355	293	327	327	318	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.760 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	22 - 141630	42 - 140923	27 - 141632	22 - 141630	22 - 141630	22 - 141630	34
35 Fuel Pump Housing	3063897	3060695	3063897	3059636	3059636	3059636	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3035896 - .220	3000941 - .160	3036895 - .125	143253 - .115	143253 - .115	3053102 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040850	3040750	3040850	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053160 - .080	138999 - .055 - .555	3053157 - .075 - .575	3053163 - .075 - .575	3053163 - .075 - .575	3053164 - .050	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3058944		3074225	3041494	3041494	3041494	47
48 AFC In./Hg - PSI		8 - 3.9		8 - 3.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1100 - 33	1400 - 58	1100 - 34	1600 - 36	1600 - 36	1600 - 36	49
50 AFC Flow - pph	185	276	183	142	142	142	50
51 AFC Spring - Gage Height-In.	179822 -	179824 -	179830 - .117	3007696 -	3007696 -	3007696 -	51
52 AFC Bias Spring	3051069		3071704				52
53 AFC No Air RPM - PSI	1100 - 38	1400 - 76	1100 - 37	1600 - 47	1600 - 47	1600 - 47	53
54 AFC No Air Flow	202	321	191	159	159	159	54
55 ASA Valve	3062158			3061508	3061508	3061508	55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1990 CARB		1991 EPA	1988 CARB	1989 CARB		62
63 Certified Year/Agency	1991 EPA						63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	90NT-FT-285	NTA-855-P	N14-350-P	NTC-444	NTC-444	NTC-444	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)		SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3063897 HOUSING USE A 3058944 CLASS FIT AFC ASSEMBLY. 3051069 AFC BIAS SPRING; USE AIR SIDE ASA P/N 3062158 (.024). REF. USE .220 SHIMS ON GOV. SPRING. MIN. GOV. CK. OF 1860 RPM @ 15 PSI. SHIM CRUISE SPEED (1815 RPM) RAIL PRESSURE TO 67-77 PSI.
- (2) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING FOR WOODWARD GOVERNOR ONLY) REF. USE .160 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2022 RPM @ 15 PSI.
- (4) PRESSURIZED GEAR PUMP; USE A 3059636 HOUSING. AIR SIDE ASA 3061508. REF. USE .115 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI USE A CLASS FIT AFC ASSEMBLY 3041494. THIS CODE TO BE USED W/TURBO BHT3B. REF. FF 122.
- (5) PRESSURIZED GEAR PUMP; USE A 3059636 HOUSING. AIR SIDE ASA 3061508. REF. USE .115 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI-USE A CLASS FIT AFC ASSEMBLY 3041494. THIS CODE TO BE USED WITH TURBO BHT3B. REF. FF 122.
- (6) PRESSURIZED GEAR PUMP; USE A 3059636 HOUSING USE A CLASS FIT AFC ASSEMBLY 3041494; USE A 3061508 AIR SIDE ASA. REF. USE .205 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2114 RPM AT 15 PSI THIS CODE TO BE USED WITH TURBO BHT3B. REF. FF 122.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 4593-J - 4602-D

1 Pump Code	4593-J	4594-A	4597-A	4598-A	4600-A	4602-D	1
2 Date - Control Parts List	MAY93 - 1374	JUN92 - 0365	AUG91 - 0838	MAR90 - 0625	SEP91 - 1211	JUN93 - 1421	2
3 Test HP @ RPM	359 - 381 @ 1600	333 - 347 @ 2100	309 - 321 @ 1725	392 - 408 @ 1800	343 - 357 @ 1900	436 - 454 @ 1900	3
4 Governed Speed-RPM	1800		1725		1900		4
5 Engine Fuel PSI	132 - 144	106 - 118	124 - 137	147 - 163	133 - 147	160 - 176	5
6 Fuel Rate Pound Per Hour	121 - 129	123 - 128	102 - 106	133 - 139	118 - 122	153 - 159	6
7 Intake Manifold Press. In./Hg	46 - 54	35 - 43	32 - 40	38 - 46	32 - 40	47 - 55	7
8 Torque Rise % - Curve		15 -	20 -	7 -	37 -	14 -	8
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1500	- @ 1300	- @ 1300	- @ 1200		9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM		2130 - 2150	1755 - 1775	1830 - 1850	1930 - 1950	1950 - 1970	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	86 - 96 @ 1921						13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2018 @ 15	2106 @ 15	2223 @ 15	2150 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1996 @ 15	2254 @ 15	1899 @ 15	2012 @ 15	2076 @ 15	2050 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	75 -		110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -		28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	40 @ 650	36 @ 600	43 @ 500	36 @ 500	47 @ 500	36 @ 500	22
23 Idle Speed cc @ RPM-Auto.	210 @ 710	180 @ 770	220 @ 630	210 @ 630	220 @ 640	230 @ 610	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	138 @ 1600	112 @ 2100	130 @ 1725	155 @ 1800	140 @ 1900	168 @ 1900	25
26 Calibration Flow	386	395	393	463	318	666	26
27 Check Point (1) PSI @ RPM	100 - 107 @ 1200	79 - 86 @ 1500	107 - 113 @ 1300	107 - 113 @ 1300	119 - 126 @ 1200	112 - 119 @ 1400	27
28 Check Point (1) Flow	329	332	356	383	294	540	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.760 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	22 - 141630	52 - 139618	25 - 141631	27 - 141632	10 - 141625	27 - 141632	34
35 Fuel Pump Housing	3063897	3060770	3063897	3060695	3060695	3059646	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153235 - .090	143252 - .000	3004752 - .110	153238 - .000	3052121 - .305	153238 - .070	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040850	3040750	3040850	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053158 - .065 - .565	3053158 - .065 -	3053159 - .060 -	3053158 - .030 -	3053158 - .100 -	142707 - .070 - .570	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3074225		3058944				47
48 AFC In./Hg - PSI		5 - 2.4		8 - 3.9	8 - 3.9		48
49 AFC RPM - PSI	1200 - 36	1600 - 60	1300 - 39	1600 - 59	1300 - 30		49
50 AFC Flow - pph	188	275	190	272	108		50
51 AFC Spring - Gage Height-In.	179832 - .117	179820 -	179828 -	179834 -	3007694 -		51
52 AFC Bias Spring	3071704		3051071				52
53 AFC No Air RPM - PSI	1200 - 39	1600 - 39	1300 - 43	1600 - 42	1300 - 51		53
54 AFC No Air Flow	196	210	205	224	148		54
55 ASA Valve				3042360	3042360		55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1990 EPA		1990 CARB		1990 CARB		62
63 Certified Year/Agency	1991 CARB		1991 EPA		1991 EPA		63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NT4-370	NTA-855-R	NTC-315	NTC-400	NTC-365	NTA-855-C	66
67 Notes		SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)		67

NOTES

- (2) USE A 3060770 HSG; RAIL CAR; USE PRESSURIZED GEAR PUMP; AFC LEAK FIX; P-1 ORIFICE SIZE .036 AND 1 BLANK; P-2 ORIFICE SIZE .048 AND 1 BLANK; P-3 ORIFICE SIZE .059/.059. AFTER CALIBRATION SET THROTTLE SHAFT TO OBTAIN 134 PSI @ 395 PPH @ 2100 RPM AND LOCK IN THIS POSITION. MINIMUM GOVERNOR CHECK OF 2254 RPM AT 15 PSI.
- (3) PRESSURIZED GEAR PUMP; USE A 3063897 HSG; USE A CLASS FIT AFC ASSY PN 3058944; AFC BIAS SPRING PN 3051071; REF USE .110 SHIMS ON GOV SPRING; MIN GOV CHK OF 1899 RPM AT 15 PSI.
- (4) PRESSURIZED GEAR PUMP; USE 3060695 HOUSING; USE A 3042360 ASA. MIN. GOVERNOR CHECK OF 2012 RPM AT 15 PSI. REF USE .105 SHIMS ON GOV SPRING.
- (5) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING USE AN AIR SIDE ASA 3042360; REF. USE .305 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2076 RPM AT 15 PSI

1 Pump Code	4603-B	4604-A	4605-M	4606-F	4607-I	4608-H	
2 Date - Control Parts List	JUL90 - 1187	AUG90 - 1352	AUG90 - 1395	JUN93 - 1380	MAY93 - 1395	MAY93 - 1405	1
3 Test HP @ RPM	294 - 306 @ 1750	294 - 306 @ 1750	320 - 340 @ 1600	340 - 360 @ 1600	301 - 319 @ 1600	398 - 422 @ 1600	2
4 Governed Speed-RPM			1700	1700	1700	1800	3
5 Engine Fuel PSI	108 - 120	109 - 121	111 - 123	121 - 135	106 - 118	149 - 165	4
6 Fuel Rate Pound Per Hour	95 - 98	97 - 101	109 - 116	116 - 123	103 - 110	134 - 140	5
7 Intake Manifold Press. in./Hg	30 - 38	33 - 41	41 - 49	44 - 52	39 - 47	47 - 55	6
8 Torque Rise % - Curve	28 -	28 -	- 0				7
9 Torque Peak - PSI @ RPM		- @ 1100	79 - 92 @ 1100	82 - 100 @ 1100	74 - 87 @ 1100	102 - 120 @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM							10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM		73 - 83 @	73 - 85 @ 1820	81 - 91 @ 1817	68 - 79 @ 1825	98 - 112 @ 1919	12
14 Max. Auto. Gov. Check-RPM @ PSI	2048 @ 15	2058 @ 15	1970 @ 15	1989 @ 15	2010 @ 15	2080 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	1914 @ 15	1904 @ 15	1920 @ 15	1897 @ 15	1890 @ 15	2020 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	75 -	75 -	75 -	75 -	19
21 Throttle Travel-Auto. - VS. Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	40 @ 500	45 @ 500	43 @ 650	47 @ 600	39 @ 650	46 @ 650	21
23 Idle Speed cc @ RPM-Auto.	230 @ 620	240 @ 650	210 @ 710	210 @ 710	210 @ 710	210 @ 710	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	114 @ 1750	115 @ 1750	117 @ 1600	128 @ 1600	112 @ 1600	157 @ 1600	24
26 Calibration Flow	372	379	359	379	346	417	25
27 Check Point (1) PSI @ RPM	83 - 90 @ 1100	80 - 87 @ 1100	82 - 88 @ 1100	90 - 97 @ 1100	77 - 84 @ 1100	110 - 116 @ 1200	26
28 Check Point (1) Flow	311	313	300	312	286	344	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.785 - 143854	.800 - 143854	.760 - 143854	.760 - 143854	.760 - 143854	.760 - 143854	32
34 Idle Plunger Code - Part No.	20 - 141629	22 - 141630	25 - 141631	17 - 140417	30 - 141633	17 - 140417	33
35 Fuel Pump Housing	3063897	3063897	3063897	3063897	3063897	3063897	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3036897 - .000	3036894 - .240	3036895 - .115	144491 - .150	3036894 - .245	144490 - .175	36
38 Gear Pump Size in.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040850	3040850	3040850	3040850	3040850	3040850	39
41 Torque Spring - Shims - Gage Height	139588 - .025 -	3053159 - .080 -	3053160 - .060 - .560	3053157 - .070 - .570	3053158 - .065 - .565	3053157 - .048 - .548	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3058944	3058944	3074225	3070591	3074225	3070591	46
48 AFC in./Hg - PSI							47
49 AFC RPM - PSI	1100 - 50	1100 - 33	1100 - 36	1100 - 36	1100 - 36	1200 - 26	48
50 AFC Flow - pph	227	185	188	188	188	168	49
51 AFC Spring - Gage Height-In.	179824 -	179822 -	179832 - .117	179832 - .117	179832 - .117	179826 - .117	50
52 AFC Bias Spring	3051071	3051069	3071951	3071951	3071951	3071950	51
53 AFC No Air RPM - PSI	1100 - 53	1100 - 38	1100 - 40	1100 - 40	1100 - 40	1200 - 30	52
54 AFC No Air Flow	235	202	200	200	200	184	53
55 ASA Valve		3062158					54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1989 EPA	1990 CARB	1990 EPA	1990 EPA	1990 EPA	1990 EPA	61
63 Certified Year/Agency			1991 CARB	1991 CARB	1991 CARB	1991 CARB	62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NT-FLT300	NT-300	N14-330P	N14-350P	N14-310P	N14-410	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)					66

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3063897 HOUSING; USE A CLASS FIT AFC ASSEMBLY 3058944; AFC BIAS SPRING 3051071; REF. USE .125 SHIMS ON GOV. SPRING; MINIMUM GOVERNOR CHECK OF 1914 RPM AT 15 PSI. SHIM TO CRUISE SPEED (1860) RAIL (69-82).
- (2) PRESSURIZED GEAR PUMP; USE A 3063897 HOUSING USE A CLASS FIT AFC ASSY. 3058944; AFC BIAS SPRING 3051069; USE AIR SIDE ASA P/N 3062158 (.024); REF. USE .240 SHIMS ON GOV. SPRING; MIN. GOV CK OF 1914 RPM @ 15 PS SHIM TO CRUISE SPEED (1872 RPM) RAIL PRESSUR TO (73-83 PSI).

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 4609-A - 4614-B

1 Pump Code	4609-A	4610-A	4611-F	4612-A	4613-A	4614-B	
2 Date - Control Parts List	JUN92 - 0413	SEP92 - 1204	MAY93 - 1380	MAY93 - 1193	OCT91 - 0821	JUN93 - 1215	2
3 Test HP @ RPM	191 - 199 @ 1800	270 - 281 @ 1800	340 - 360 @ 1600	365 - 379 @ 1800	441 - 459 @ 2100	441 - 459 @ 2100	3
4 Governed Speed-RPM			1700				4
5 Engine Fuel PSI	110 - 122	83 - 91	121 - 135	122 - 134	199 - 219	216 - 238	5
6 Fuel Rate Pound Per Hour	72 - 75	93 - 97	116 - 123	128 - 134	153 - 159	159 - 165	6
7 Intake Manifold Press. In./Hg		26 - 32	45 - 53	36 - 44	48 - 56	46 - 54	7
8 Torque Rise % - Curve	3 -	8 - FR-1536		- FR-1539	24 - FR 1637	24 - FR 1637	8
9 Torque Peak - PSI @ RPM	88 - 94 @ 1500	- @ 1400	81 - 94 @ 1100	- @ 1400	- @ 1500	- @ 1500	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850	1880 - 1900		1880 - 1900	2130 - 2150	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM			80 - 90 @ 1822				13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2156 @ 15	1989 @ 15	2156 @ 15	2457 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1903 @ 15	1996 @ 15	1897 @ 15	2047 @ 15	2302 @ 15	2302 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph		110 -	75 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev		28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	25 @ 500	21 @ 500	47 @ 600	33 @ 500	35 @ 700	49 @ 650	22
23 Idle Speed cc @ RPM-Auto.	190 @ 600	240 @ 640	210 @ 710	230 @ 660	210 @ 750	210 @ 750	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	116 @ 1800	94 @ 1800	128 @ 1600	128 @ 1800	215 @ 2100	227 @ 2100	25
26 Calibration Flow	285	375	380	576	647	598	26
27 Check Point (1) PSI @ RPM	88 - 94 @ 1500	70 - 76 @ 1400	84 - 91 @ 1100	92 - 99 @ 1400	172 - 181 @ 1500	182 - 189 @ 1500	27
28 Check Point (1) Flow	247	322	307	488	578	535	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.760 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	42 - 140923	57 - 140926	20 - 141629	37 - 140418	15 - 139894	15 - 139894	34
35 Fuel Pump Housing	3060770	3060695	3063897	3060695	3060695	3060695	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000939 - .065	3000941 - .155	144491 - .180	153237 - .065	3004756 - .120	3004756 - .150	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040850	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138804 - .000 - .500	3053156 - .050 - .550	3053158 - .050 - .550	3053156 - .030 - .530	3053165 - .085 - .585	3053165 - .085 - .585	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly			3070591				47
48 AFC In./Hg - PSI		6 - 2.9		8 - 3.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI		1400 - 45	1100 - 36	1400 - 36	1600 - 61	1600 - 61	49
50 AFC Flow - pph		240	188	276	317	317	50
51 AFC Spring - Gage Height-In.		179818 -	179832 - .117	179834 -	3007692 -	3007692 -	51
52 AFC Bias Spring			3071951				52
53 AFC No Air RPM - PSI		1400 - 64	1100 - 40	1400 - 62	1600 - 49	1600 - 49	53
54 AFC No Air Flow		297	200	342	322	322	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		3028325					61
62 Certified Year/Agency			1991 CARB		1987 EPA		62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NT-855-L	NTA-855-P	N14-350P	NTA-855-P	NT-444	NT-444	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)		SEE NOTE (4)		SEE NOTE (6)	67

NOTES

- (1) AFC: PRESSURIZED GEAR PUMP; USE A 3060770 HS P-1 ORIFICE SIZE ONE .029 + ONE BLANK; P-2 ORIFICE SIZE ONE .022 + ONE BLANK; P-3 ORIFICE SIZE ONE .033 + ONE BLANK; P-4 ORIFICE SIZE ONE .065 + ONE BLANK; AFTER CALIBRATION SET THROTTLE SHAFT TO GIVE 130 PSI 285 PPH @ 1800 RPM. MIN GOV CK OF 2106 RPM @ 15 PSI. REF: USE .065 SHIMS ON GOVERNOR SPRING.
- (2) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSIN; FOR WOODWARD GOV ONLY]] FOR USE WITH 3028325 CHECK VALVE]] REF: USE .155 SHIMS ON GOV SPRING; MIN GOV CHECK OF 1996 RPM AT 15 PSI.
- (4) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING; FOR USE WITH WOODWARD GOV.; MIN. GOV. CHECK OF 2047 RPM @ 15 PSI; REF: USE .065 SHIMS ON GOVERNOR SPRING.
- (6) PRESSURIZED GEAR PUMP; USE A 3060695 HSG; TORQUE SPRING GAGE LENGTH .585; REF: USE .150 SHIMS ON GOVERNOR SPRING; MINIMUM GOVERNOR CHECK OF 2302 RPM @ 15 PSI.

1 Pump Code	4615-B	4616-B	4617-A	4618-A	4619-B	4620-B	1
2 Date - Control Parts List	FEB91 - 0838	FEB91 - 0838	MAR91 - 0910	MAR91 - 1210	JUN91 - 1280	JUN91 - 1280	2
3 Test HP @ RPM	306 - 324 @ 1800	306 - 324 @ 2100	441 - 459 @ 2100	441 - 459 @ 2100	431 - 457 @ 2100	416 - 432 @ 1900	3
4 Governed Speed-RPM	1800	2100			2100	1900	4
5 Engine Fuel PSI	125 - 139	137 - 151	198 - 218	198 - 218	173 - 191	156 - 172	5
6 Fuel Rate Pound Per Hour	104 - 108	111 - 115	154 - 160	154 - 160	156 - 162	143 - 149	6
7 Intake Manifold Press.-In./Hg	33 - 41	36 - 44	49 - 57	49 - 57	41 - 49	38 - 46	7
8 Torque Rise % - Curve	25 -	46 -	26 -	26 -	26 -	19 -	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1500	- @ 1500	- @ 1500	- @ 1400	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850	2130 - 2150	2130 - 2150	2130 - 2150	2120 - 2140	1920 - 1940	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM						102 - 112 @ 2025	13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2447 @ 15	2194 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1967 @ 15	2243 @ 15	2302 @ 15	2302 @ 15	2292 @ 15	2088 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	38 @ 500	41 @ 500	40 @ 600	40 @ 600	46 @ 600	47 @ 600	22
23 Idle Speed cc @ RPM-Auto.	220 @ 640	220 @ 640	220 @ 700	220 @ 700	220 @ 710	220 @ 710	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	132 @ 1800	144 @ 2100	212 @ 2100	212 @ 2100	182 @ 2100	164 @ 1900	25
26 Calibration Flow	398	418	376	376	344	322	26
27 Check Point (1) PSI @ RPM	108 - 113 @ 1300	107 - 114 @ 1300	162 - 169 @ 1500	162 - 169 @ 1500	151 - 157 @ 1500	133 - 140 @ 1400	27
28 Check Point (1) Flow	359	359	325	325	312	290	28
29 Check Point (2) PSI @ RPM					77 - 90 @ 930	79 - 87 @ 920	29
30 Check Point (2) Flow					218	215	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.790 - 3074242	.790 - 3074242	33
34 Idle Plunger Code - Part No.	27 - 141632	27 - 141632	22 - 141630	22 - 141630	25 - 141631	25 - 141631	34
35 Fuel Pump Housing	3059632	3059632	3059636	3059636	3059632	3059632	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004752 - .000	143254 - .000	143253 - .125	143253 - .125	3000935 - .000	3004750 - .200	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040760	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053157 - .085 -	3002057 - .050 -	3053163 - .065 - .565	3053163 - .085 - .565	3053187 - .080 -	3053162 - .060 - .560	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3070591	3070591	3041494	3041494	3067834	3067834	47
48 AFC In./Hg - PSI			8 - 3.9	8 - 3.9	9 - 4.4	9 - 4.4	48
49 AFC RPM - PSI	1600 - 41	1600 - 41	1600 - 36	1600 - 36	1600 - 73	1600 - 73	49
50 AFC Flow - pph	218	218	142	142	207	207	50
51 AFC Spring - Gage Height-In.	179820 - .117	179820 - .117	3007696 -	3007696 -	3007696 -	3007696 - .117	51
52 AFC Bias Spring	3051069	3051069			3068170	3068170	52
53 AFC No Air RPM - PSI	1600 - 48	1600 - 48	1600 - 47	1600 - 47	1600 - 49	1600 - 49	53
54 AFC No Air Flow	234	234	159	159	164	164	54
55 ASA Valve			3061508	3061508			55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1991 EPA	1991 EPA	1988 CARB	1989 CARB	1991 EPA	1991 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-315	NTC-315	NTC-450	NTC-450	'89 NTC-444	89-NT-424	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; REF. USE .170 SHIMS ON GOVERNOR SPRING. USE 3059632 HSG. MINIMUM GOVERNOR CHECK OF 1967 RPM @ 15 PSI. USE CLASS-FIT AFC ASSEMBLY 3070591. AFC BIAS SPRING 3051069. USE 1.32" SHIMMING ON AFC MAIN SPRING. INSTALL SEALS AFTER CALIBRATION.
- (2) PRESSURIZED GEAR PUMP; USE A 3059632 HOUSING; REF. USE .110 SHIMS ON GOV. MINIMUM GOVERNOR CHECK OF 2243 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3070591. AFC BIAS SPRING 3051069. USE 1.32" SHIMMING ON AFC MAIN SPRING. INSTALL SEALS AFTER CALIBRATION.
- (3) PRESSURIZED GEAR PUMP; USE A 3059636 HOUSING. AIR SIDE ASA 3061508. REF. USE .125 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI USE A CLASS FIT AFC ASSEMBLY 3041494. THIS CODE TO BE USED W/TURBO BHT3B. REF. FF 122.
- (4) PRESSURIZED GEAR PUMP; USE A 3059636 HOUSING. AIR SIDE ASA 3061508. REF. USE .125 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI USE A CLASS FIT AFC ASSEMBLY 3041494. THIS CODE TO BE USED WITH TURBO BHT3B. REF. FF 122.
- (5) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.
- (6) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 4621-A - 4626-B

1 Pump Code	4621-A	4622-A	4623-C	4624-A	4625-D	4626-B	1
2 Date - Control Parts List	JUN91 - 1280	JUN91 - 1256	AUG92 - 1529	MAY91 - 0806	MAY93 - 1532	MAY93 - 1532	2
3 Test HP @ RPM	441 - 459 @ 2100	441 - 459 @ 2100	340 - 360 @ 1600	441 - 459 @ 2100	323 - 337 @ 1600	323 - 337 @ 1600	3
4 Governed Speed-RPM	2100	2100		2100	1700	1600	4
5 Engine Fuel PSI	173 - 191	173 - 191		189 - 209	98 - 108	101 - 111	5
6 Fuel Rate Pound Per Hour	158 - 164	158 - 164		160 - 166	106 - 111	108 - 112	6
7 Intake Manifold Press. In./Hg	41 - 49	41 - 49		54 - 64	33 - 42	37 - 45	7
8 Torque Rise % - Curve	24 -	24 -		29 -	- 0	- 0	8
9 Torque Peak - PSI @ RPM	- @ 1500	- @ 1500		- @ 1500	- @ 1100	- @ 1100	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2120 - 2140	2120 - 2140		2130 - 2150	1720 - 1740		11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM						64 - 74 @ 1770	13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15		2457 @ 15	2030 @ 15	1970 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2292 @ 15	2292 @ 15		2280 @ 15	1950 @ 15	1880 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -		110 -	75 -	75 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -		28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	47 @ 600	47 @ 600		41 @ 600	40 @ 650	40 @ 650	22
23 Idle Speed cc @ RPM-Auto.	220 @ 710	220 @ 710		220 @ 800	210 @ 710	210 @ 710	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	187 @ 2100	187 @ 2100		202 @ 2100	103 @ 1600	106 @ 1600	25
26 Calibration Flow	350	350		766	340	331	26
27 Check Point (1) PSI @ RPM	152 - 159 @ 1500	152 - 159 @ 1500		154 - 161 @ 1500	75 - 82 @ 1100	81 - 87 @ 1100	27
28 Check Point (1) Flow	316	316		665	291	290	28
29 Check Point (2) PSI @ RPM	78 - 88 @ 920	78 - 88 @ 920					29
30 Check Point (2) Flow	219	219					30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.790 - 3074242	.790 - 3074242		.800 - 143854	.760 - 143854	.760 - 143854	33
34 Idle Plunger Code - Part No.	25 - 141631	25 - 141631	17 - 140417	22 - 141630	27 - 141632	22 - 141630	34
35 Fuel Pump Housing	3059632	3059632	3063897	3054997	3063897	3063897	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000935 - .150	3000935 - .150	144491 - .155	3001148 - .060	3036898 - .200	3036898 - .155	37
38 Gear Pump Size In.	.750	.750	.750	1.000	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040850	3040750	3040850	3040850	40
41 Torque Spring - Shims - Gage Height	3053167 - .070 - .570	3053167 - .070 - .570	3053157 - .070 - .570	3053164 - .070 - .570	3051814 - .060 - .560	3053169 - .045 - .545	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3067834	3067834	3070591	3041494	3074225	3074225	47
48 AFC In./Hg - PSI	9 - 4.4	9 - 4.4		8 - 3.9			48
49 AFC RPM - PSI	1600 - 73	1600 - 73		1600 - 31	1100 - 34	1100 - 34	49
50 AFC Flow - pph	207	207		275	183	183	50
51 AFC Spring - Gage Height-In.	3007696 - .117	3007696 - .117		3007696 -	179830 - .117	179830 - .117	51
52 AFC Bias Spring	3068170	3068170	3071951	3071704	3071704	3071704	52
53 AFC No Air RPM - PSI	1600 - 49	1600 - 49		1600 - 34	1100 - 37	1100 - 37	53
54 AFC No Air Flow	164	164		267	191	191	54
55 ASA Valve				3054993			55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1991 EPA	1989 CARB	1991 CARB	1987 CARB	1991 EPA	1991 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NT-450	NT-450	N14-350P	NTC-444	N14-330P	N14-330-P	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)				67

NOTES

- (1) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.
 (2) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.
 (3) SUPERSEDED BY FC 4606.

1 Pump Code	4627-B	4628-A	4629-A	4630-A	4631-B	4632-A	1
2 Date - Control Parts List	MAY93 - 1532	SEP91 - 0107	JUN92 - 1204	MAY93 - 1193	MAR92 - 0719	MAY93 - 1405	2
3 Test HP @ RPM	343 - 357 @ 1600	403 - 420 @ 2300	270 - 281 @ 1800	365 - 379 @ 1800	279 - 291 @ 2100	402 - 418 @ 1600	3
4 Governed Speed-RPM	1700			1800		1700	4
5 Engine Fuel PSI	108 - 120	210 - 230	83 - 91	122 - 134	166 - 184	149 - 165	5
6 Fuel Rate Pound Per Hour	114 - 118	161 - 168	93 - 97	128 - 134	100 - 104	134 - 140	6
7 Intake Manifold Press. In./Hg	35 - 43	37 - 45	26 - 32	36 - 44	40 - 48	47 - 55	7
8 Torque Rise % - Curve		10 - C-2744-D	8 - FR-1536	6 - FR-1539	27 - FR-1379		8
9 Torque Peak - PSI @ RPM	- @ 1100	- @ 1700	- @ 1400	- @ 1400	- @ 1300	102 - 120 @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM		2330 - 2350	1880 - 1900	1830 - 1850	2130 - 2150	1720 - 1740	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	71 - 81 @ 1817						13
14 Max. Auto. Gov. Check-RPM @ PSI	1990 @ 15	2550 @ 15	2156 @ 15	2106 @ 15	2457 @ 15	1990 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1900 @ 15	2430 @ 15	1996 @ 15	1997 @ 15	2230 @ 15	1930 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	75 -	75 -	110 -	110 -		75 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	31 -	28 -	28 -		28 -	21
22 Idle Speed PSI @ RPM-Auto.	39 @ 650		24 @ 500	34 @ 500	49 @ 500	41 @ 650	22
23 Idle Speed cc @ RPM-Auto.	210 @ 710	170 @ 580	240 @ 640	230 @ 660	220 @ 640	210 @ 710	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	114 @ 1600	220 @ 2300	87 @ 1800	128 @ 1800	175 @ 2100	157 @ 1600	25
26 Calibration Flow	349	725	375	576	316	417	26
27 Check Point (1) PSI @ RPM	84 - 91 @ 1100	144 - 150 @ 1700	65 - 71 @ 1400	91 - 98 @ 1400	106 - 113 @ 1300	110 - 116 @ 1200	27
28 Check Point (1) Flow	300	565	324	485	241	345	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.760 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.760 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141629	42 - 140923	60 - 140927	37 - 140418	30 - 141633	20 - 141629	34
35 Fuel Pump Housing	3063897	3060690	3060695	3060695	3060770	3063897	35
36 Auto. Idle Spring	3018767	144195	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3036888 - .195	147294 - .140	153235 - .165	153237 - .065	153232 - .105	153235 - .110	37
38 Gear Pump Size In.	.750	1.000	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040850	3040760	3040750	3040750	3040750	3040850	40
41 Torque Spring - Shims - Gage Height	3053157 - .095 - .595		3053161 - .040 - .540	3053161 - .000 - .500	139587 - .020 - .620	3053157 - .030 - .530	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3070591					3074225	47
48 AFC In./Hg - PSI			6 - 2.9	8 - 3.9			48
49 AFC RPM - PSI	1100 - 34		1400 - 45	1400 - 36		1200 - 26	49
50 AFC Flow - pph	183		240	276		168	50
51 AFC Spring - Gage Height-In.	179830 - .117		179818 -	179834 -		179826 - .117	51
52 AFC Bias Spring	3071704					3071950	52
53 AFC No Air RPM - PSI	1100 - 37		1400 - 64	1400 - 62		1200 - 30	53
54 AFC No Air Flow	191		297	342		184	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1991 EPA					1992 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-350	NTA-420	NTA-855P	NTA-855-P	NT-855-L	N14-410	66
67 Notes		SEE NOTE (2)	SEE NOTE (3)		SEE NOTE (5)		67

NOTES

(2) SUPERSEDES FC 2383. SERVICE NO AIR RAIL SET 153 PSI @ 2200 RPM.

(3) PRESSURIZED GEAR PUMP; WOODWARD GOVERNOR.

(5) AFC; PRESSURIZED GEAR PUMP; AFTER CALIBRATION SET THROTTLE SHAFT TO GIVE 188 PSI @ 316 PPH @ 2100 RPM. P-1 ORIFICE SIZE ONE .024 AND ONE BLANK P-2 ORIFICE SIZE ONE .035 AND ONE BLANK P-3 ORIFICE SIZE ONE .046 AND ONE BLANK P-4 ORIFICE SIZE ONE .070 AND ONE BLANK

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 4633-B - 4638-B

1 Pump Code	4633-B	4634-A	4635-C	4636-A	4637-B	4638-B	
2 Date - Control Parts List	JUN93 - 1380	MAR92 - 1215	JUN93 - 1652	MAY93 - 1607	MAY93 - 1607	NOV92 - 1600	1
3 Test HP @ RPM	340 - 360 @ 1600	417 - 434 @ 1900	421 - 439 @ 1600	398 - 422 @ 1600	363 - 377 @ 1600	436 - 454 @ 1900	2
4 Governed Speed-RPM	1700		1800	1800	1800		3
5 Engine Fuel PSI	121 - 135	181 - 201	159 - 175	149 - 165	126 - 140	160 - 176	4
6 Fuel Rate Pound Per Hour	118 - 122	140 - 146	140 - 146	134 - 140	123 - 128	151 - 157	5
7 Intake Manifold Press. In./Hg	44 - 52	43 - 51	47 - 57	47 - 55	43 - 51	48 - 58	6
8 Torque Rise % - Curve		19 -	- 0	- FR-1630	- FR-1661	9 -	7
9 Torque Peak - PSI @ RPM	82 - 100 @ 1100		102 - 120 @ 1200	102 - 120 @ 1200	102 - 120 @ 1200	- @ 1400	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM		1930 - 1950				1950 - 1970	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM	86 - 96 @ 1817		90 - 100 @ 1950	98 - 112 @ 1919	85 - 93 @ 1929		12
14 Max. Auto. Gov. Check-RPM @ PSI	1989 @ 15	2223 @ 15	2190 @ 15	2080 @ 15	2125 @ 15	2140 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	1897 @ 15	2114 @ 15	2070 @ 15	2020 @ 15	2002 @ 15	2060 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	75 -	110 -	75 -	75 -	75 -	75 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	47 @ 600	35 @ 700	43 @ 650	46 @ 650	48 @ 650	21 @ 500	21
23 Idle Speed cc @ RPM-Auto.	210 @ 710	210 @ 750	210 @ 710	210 @ 710	210 @ 710	185 @ 550	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	134 @ 1600	190 @ 1900	167 @ 1600	157 @ 1600	133 @ 1600	168 @ 1900	24
26 Calibration Flow	379	600	430	417	382	300	25
27 Check Point (1) PSI @ RPM	95 - 102 @ 1100	169 - 175 @ 1500	110 - 117 @ 1200	110 - 116 @ 1200	107 - 114 @ 1200	118 - 125 @ 1400	26
28 Check Point (1) Flow	312	570	347	344	344	248	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.760 - 143854	.800 - 143854	.760 - 143854	.760 - 143854	.760 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	15 - 139894	15 - 139894	20 - 141629	17 - 140417	17 - 140417	32 - 141634	33
35 Fuel Pump Housing	3063897	3060695	3063897	3063897	3063897	3059646	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	144491 - .150	3053111 - .280	3000940 - .100	144490 - .180	143255 - .125	153238 - .155	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040850	3040750	3040850	3040850	3040850	3040750	39
41 Torque Spring - Shims - Gage Height	3053157 - .070 - .570	3053163 - .060 -	3051812 - .000 - .500	3053157 - .048 - .548	3053161 - .090 - .590	138804 - .080 - .580	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3074225		3074225	3074225	3074225		46
48 AFC In./Hg - PSI		8 - 3.9					47
49 AFC RPM - PSI	1100 - 36	1600 - 61	1200 - 26	1200 - 74	1200 - 74		48
50 AFC Flow - pph	188	317	168	275	275		49
51 AFC Spring - Gage Height-In.	179832 - .117	3007692 -	179826 - .117	179828 - .117	179828 - .117		50
52 AFC Bias Spring	3071951		3071950	3051075	3051075		51
53 AFC No Air RPM - PSI	1100 - 40	1600 - 49	1200 - 30	1200 - 77	1200 - 77		52
54 AFC No Air Flow	200	322	184	280	280		53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve	3028325						60
62 Certified Year/Agency	1992 CARB		1993 CARB				61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	N14-350P	NTC-444	N14-430 SEE NOTE (3)	N14-410	N14-370	NTA-855-C	65
67 Notes							66

NOTES

(3) NOT FOR SALE IN MEXICO

1 Pump Code	4639-A	4640-A	4641-B	4642-B	5000-A	5004-D	1
2 Date - Control Parts List	JAN93 - 1204	MAR93 - 1204	JUN93 - 1576	JUN93 - 1576	AUG91 - 1382	MAY93 - 1594	2
3 Test HP @ RPM	221 - 230 @ 1800	323 - 337 @ 2000	441 - 459 @ 2100	426 - 444 @ 1800	368 - 383 @ 1800	396 - 404 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	62 - 68	107 - 119	161 - 178	154 - 170		140 - 154	5
6 Fuel Rate Pound Per Hour	78 - 82	113 - 118	159 - 166	145 - 151		143 - 149	6
7 Intake Manifold Press. in./Hg	20 - 26	35 - 44	43 - 53	47 - 57		43 - 53	7
8 Torque Rise % - Curve	9 -	20 -	20 -	6 -		37 -	8
9 Torque Peak - PSI @ RPM	- @ 1400	- @ 1400					9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1880 - 1900	2030 - 2050	2130 - 2150	1830 - 1850		2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2070 @ 15	2300 @ 15	2430 @ 15	2135 @ 15		2450 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1950 @ 15	2180 @ 15	2310 @ 15	2010 @ 15		2325 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	75 -	75 -		75 -	20
21 Throttle Travel-Auto. VS. Lev	28 -	28 -	28 -	28 -		28 - 1	21
22 Idle Speed PSI @ RPM-Auto.	17 @ 500	28 @ 500	18 @ 500	33 @ 500		21 @ 500	22
23 Idle Speed cc @ RPM-Auto.	240 @ 640	240 @ 640	200 @ 560	185 @ 730		185 @ 550	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	65 @ 1800	113 @ 2000	176 @ 2100	162 @ 1800		169 @ 2100	25
26 Calibration Flow	305	418	331	318		305	26
27 Check Point (1) PSI @ RPM	46 - 53 @ 1400	61 - 87 @ 1400	122 - 129 @ 1400	121 - 127 @ 1400		125 - 131 @ 1400	27
28 Check Point (1) Flow	259	354	273	273		258	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.760 - 143854	.760 - 143854		.760 - 143854	33
34 Idle Plunger Code - Part No.	195 - 145957	50 - 140925	30 - 141633	27 - 141632	30 - 141633	25 - 141631	34
35 Fuel Pump Housing	3060695	3060695	3060695	3060695	3060695	3068106	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .085	143253 - .095	153237 - .050	3000941 - .155	3000940 - .175	143253 - .050	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138794 - .040 - .590	3053160 - .070 - .570	3053163 - .080 - .580	3053160 - .020 - .520	3053157 - .000 - .500	3053166 - .085 - .585	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly						3041494	47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	5 - 2.4	8 - 3.9		8 - 3.9	48
49 AFC RPM - PSI	1400 - 45	1400 - 45	1400 - 69	1400 - 69		1400 - 69	49
50 AFC Flow - pph	240	240	208	208		208	50
51 AFC Spring - Gage Height-In.	179818 -	179818 -	179826 -	179826 -		179826 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1400 - 48	1400 - 64	1400 - 47	1400 - 43		1400 - 67	53
54 AFC No Air Flow	240	297	156	135		176	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve			3028325				61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-P	NTA-855-C	NTA-855-C	NTA-855-C	NT-855-G4	NTA-855-A	66
67 Notes			SEE NOTE (3)		SEE NOTE (5)		67

NOTES

(3) FOR AFC LEAK FIX ONLY

(5) PRESSURIZED GEAR PUMP; GEN SET ONLY. FOR USE WITH OR WITHOUT CHECK VALVE. FOR USE WITH NONE, WOODWARD, BOSCH, BARBER COLEMAN, OR EFC GOVERNORS.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 5500-G - 5505-E

1 Pump Code	5500-G	5501-H	5502-E	5503-A	5504-C	5505-E	1
2 Date - Control Parts List	MAY93 - 1380	MAY93 - 1405	MAY93 - 1374	MAR93 - 1507	MAY93 - 1374	MAY93 - 1380	2
3 Test HP @ RPM	320 - 340 @ 1600	398 - 422 @ 1600	363 - 377 @ 1600	343 - 357 @ 1600	363 - 377 @ 1600	320 - 340 @ 1600	3
4 Governed Speed-RPM	1950	1950	1950		1950	1950	4
5 Engine Fuel PSI	110 - 122	147 - 163	131 - 145		131 - 145	110 - 122	5
6 Fuel Rate Pound Per Hour	110 - 114	134 - 140	122 - 128		122 - 128	110 - 114	6
7 Intake Manifold Press. In./Hg	42 - 50	47 - 55	46 - 54		46 - 54	42 - 50	7
8 Torque Rise % - Curve			- 0		- FR-1615	- 0	8
9 Torque Peak - PSI @ RPM	78 - 95 @ 1100	101 - 117 @ 1200	- @ 1200		- @ 1200	- @ 1100	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	99 - 109 @ 1950	125 - 137 @ 1950	117 - 125 @ 1950		122 - 131 @ 1950	104 - 114 @ 1950	13
14 Max. Auto. Gov. Check-RPM @ PSI	2202 @ 15	2140 @ 15	2180 @ 15		2180 @ 15	2183 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2098 @ 15	2060 @ 15	2055 @ 15		2060 @ 15	2083 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	75 -	75 -	75 -		75 -	75 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -		28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	48 @ 650	45 @ 600	46 @ 650		49 @ 650	48 @ 650	22
23 Idle Speed cc @ RPM-Auto.	210 @ 710	210 @ 710	210 @ 710		210 @ 710	210 @ 710	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	116 @ 1600	155 @ 1600	138 @ 1600		145 @ 1600	121 @ 1600	25
26 Calibration Flow	360	418	386		386	360	26
27 Check Point (1) PSI @ RPM	84 - 91 @ 1100	107 - 114 @ 1200	103 - 110 @ 1200		109 - 116 @ 1200	89 - 96 @ 1100	27
28 Check Point (1) Flow	305	345	334		334	306	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.760 - 143854	.760 - 143854	.760 - 143854		.760 - 143854	.760 - 143854	33
34 Idle Plunger Code - Part No.	20 - 1401629	17 - 140417	20 - 141629	20 - 141629	17 - 140417	17 - 140417	34
35 Fuel Pump Housing	3883545	3883545	3883545	3883545	3883545	3883545	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3036897 - .155	144490 - .160	153235 - .060	144491 - .195	153235 - .055	3036897 - .145	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3070740	3070740	3070740	3070740	3070740	3070740	40
41 Torque Spring - Shims - Gage Height	3053166 - .070 - .570	3053158 - .035 - .535	3053162 - .055 - .555	3053165 - .045 - .545	3053162 - .055 - .555	3053166 - .070 - .570	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3070591	3070591	3074225	3070591	3074225	3070591	47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1100 - 36	1200 - 26	1200 - 36		1200 - 36	1100 - 36	49
50 AFC Flow - pph	188	168	188		188	188	50
51 AFC Spring - Gage Height-In.	179832 - .117	179826 - .117	179832 - .117		179832 - .117	179832 - .117	51
52 AFC Bias Spring	3071951	3071950	3071704	3071951	3071704	3071951	52
53 AFC No Air RPM - PSI	1100 - 40	1200 - 30	1200 - 39		1200 - 42	1100 - 40	53
54 AFC No Air Flow	200	184	196		196	200	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Paper Assembly							60
61 Fuel Line Check Valve					3028325	3028325	61
62 Certified Year/Agency	1990 EPA	1990 EPA	1990 EPA	1991 CARB	1992 CARB	1991 CARB	62
63 Certified Year/Agency	1991 CARB	1991 CARB	1991 CARB				63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-330	N14-410	N14-370	N14-350	N14-370	N14-330	66
67 Notes				SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

(4) THIS FC SUPERSEDED BY FC 5506 ON CPL 1374 DUE TO OBSOLETION OF CPL 1507. FC 5503 AND FC 5506 ARE IDENTICAL EXCEPT THE CPL NUMBER. CPL 1507 WAS OBSOLETE DUE TO A PISTON CHANGE THAT MADE CPL 1507 AND CPL 1374 IDENTICAL.

(5) CHECK VALVE ONLY.

(6) FOR USE WITH CHECK VALVE ONLY

1 Pump Code	5506-C	5800-B	6000-B	6001-B	6002-B	6003-B	
2 Date - Control Parts List	MAY93 - 1374	MAY93 - 1405	DEC87 - 0833	DEC87 - 0674	DEC87 - 0675	DEC87 - 0797	1
3 Test HP @ RPM	343 - 357 @ 1600	402 - 418 @ 1600	358 - 372 @ 2100	294 - 306 @ 1800	343 - 357 @ 1800	343 - 357 @ 1800	2
4 Governed Speed-RPM	1950	1950					3
5 Engine Fuel PSI	121 - 135	147 - 163	151 - 167	114 - 126	161 - 177	161 - 177	4
6 Fuel Rate Pound Per Hour	116 - 120	134 - 140	125 - 131	98 - 102	114 - 118	113 - 117	5
7 Intake Manifold Press. In./Hg	44 - 52	47 - 55	36 - 44	29 - 37	30 - 38	30 - 38	6
8 Torque Rise % - Curve	- * /	- 0	45 -	14 -	15 -	15 -	7
9 Torque Peak - PSI @ RPM	- @ 1100	- @ 1200					8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM			2130 - 2150	1830 - 1850	1830 - 1850	1830 - 1850	10
12 VS/Sec. Gov. Setting-RPM		1900 - 1950					11
13 Cruise Speed-PSI @ RPM	110 - 118 @ 1950	128 - 138 @ 1950					12
14 Max. Auto. Gov. Check-RPM @ PSI	2175 @ 15	2190 @ 15	2457 @ 15	2106 @ 15	2106 @ 15	2106 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2075 @ 15	2090 @ 15					14
16 RS Gov. Setting-PSI @ RPM		15 @ 1850 - 1950					15
17 Low RS Gov. Setting-RPM		1675 - 1685					16
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2400 @ 15					17
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2200 @ 15					18
20 Throttle Leakage-cc - pph	75 -	75 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levtr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	46 @ 650	50 @ 600	37 @ 500	31 @ 500			21
23 Idle Speed cc @ RPM-Auto.	210 @ 710	210 @ 710	245 @ 630	210 @ 620	210 @ 620	210 @ 620	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	128 @ 1600	155 @ 1600	159 @ 2100	120 @ 1800	168 @ 1800	168 @ 1800	24
26 Calibration Flow	392	456	516	321	360	360	25
27 Check Point (1) PSI @ RPM	84 - 91 @ 1100	105 - 112 @ 1200	128 - 134 @ 1300	86 - 94 @ 1300	127 - 135 @ 1300	127 - 135 @ 1300	26
28 Check Point (1) Flow	314	373	461	272	314	314	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.760 - 143854	.760 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	25 - 141631	15 - 139894	07 - 141624	30 - 141633	15 - 139894	15 - 139894	33
35 Fuel Pump Housing	3883545	3892173					34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153235 - .075	153237 - .080	3004752 - .000	153235 - .000	153235 - .000	153235 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3070740	3070740	3040760	3040760	3040760	3040760	39
41 Torque Spring - Shims - Gage Height	3053162 - .055 - .555	138998 - .040 - .540	3035816 - .005 -	138802 - .020 -	138802 - .030 -	138802 - .030 -	40
42 VS Gov. Max. Spring - Ref. Shims		109686 - .040					41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights		163826					43
45 VS Gov. Plunger		212350					44
46 VS Gov. Sleeve		212148					45
47 AFC Barrel & Plunger Assembly	3074225	3070591					46
48 AFC In./Hg - PSI			8 - 3.9	4 - 1.9	4 - 1.9	4 - 1.9	47
49 AFC RPM - PSI	1100 - 36	1200 - 26	1600 - 66	1600 - 17	1600 - 28	1600 - 28	48
50 AFC Flow - pph	188	168	306	104	128	128	49
51 AFC Spring - Gage Height-In.	179832 - .117	179826 - .117	179828 -	179822 -	179822 -	179822 -	50
52 AFC Bias Spring	3071951	3071950					51
53 AFC No Air RPM - PSI	1100 - 40	1200 - 30	1600 - 69	1600 - 77	1600 - 59	1600 - 59	52
54 AFC No Air Flow	200	184	323	255	198	198	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1991 CARB	1991 CARB	1986 EPA	1987 EPA	1987 EPA	1987 EPA	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	N14-350	N14-410	NTC-400	NTC-300	NTC-350	NTC-350	65
67 Notes			SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

(3) PRESSURIZED GEAR PUMP: USE A 3056629 HOUSING. USE AIR SIDE ASA P/N 3054993. REF: USE .170 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2266 RPM AT 15 PSI USE CLASS FIT AFC ASSEMBLY 3041494.

(4) PRESSURIZED GEAR PUMP: USE 3056629 HSG. MIN. GOV. CHECK 1959 @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3041494.

(5) MIN. GOV. CHECK 1962 RPM @ 15 PSI. USE 3056629 HSG. USE CLASS FIT AFC ASSEMBLY 3041494.

(6) MIN. GOV. CHECK 1962 RPM @ 15 PSI. USE 3056629 HSG. USE CLASS FIT AFC ASSEMBLY 3041494.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6004-C - 6009-A

1 Pump Code	6004-C	6005-A	6006-A	6007-C	6008-B	6009-A	1
2 Date - Control Parts List	MAY91 - 0806	DEC87 - 0749	DEC87 - 0796	FEB91 - 0821	DEC87 - 0797	DEC87 - 0812	2
3 Test HP @ RPM	435 - 453 @ 2100	306 - 324 @ 1800	306 - 324 @ 1800	435 - 453 @ 2100	343 - 357 @ 2100	306 - 324 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	189 - 208	120 - 133	120 - 133	199 - 219	173 - 191	120 - 133	5
6 Fuel Rate Pound Per Hour	159 - 165	103 - 107	102 - 106	151 - 157	119 - 123	103 - 107	6
7 Intake Manifold Press. In./Hg	52 - 62	26 - 32	26 - 32	47 - 55	36 - 44	26 - 32	7
8 Torque Rise % - Curve	26 -	25 -	25 -	26 -	34 -	25 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	1830 - 1850	1830 - 1850		2130 - 2150	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	34 @ 700	30 @ 500	30 @ 500	35 @ 700	37 @ 500	30 @ 500	22
23 Idle Speed cc @ RPM-Auto.	220 @ 800	210 @ 600	210 @ 600	210 @ 750	210 @ 620	210 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	199 @ 2100	126 @ 1800	126 @ 1800	209 @ 2100	182 @ 2100	126 @ 1800	25
26 Calibration Flow	760	337	337	637	379	337	26
27 Check Point (1) PSI @ RPM	153 - 159 @ 1500	109 - 115 @ 1300	109 - 115 @ 1300	169 - 175 @ 1500	124 - 132 @ 1300	109 - 115 @ 1300	27
28 Check Point (1) Flow	662	315	315	570	309	315	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	10 - 141625	20 - 141629	20 - 141629	7 - 141624	15 - 139894	20 - 141629	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004756 - .000	3053101 - .000	3053101 - .000	3004756 - .000	153238 - .000	3053101 - .000	37
38 Gear Pump Size In.	1.000	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040760	3040760	3040760	3040750	3040760	40
41 Torque Spring - Shims - Gage Height	3053166 - .075 -	3002056 - .010 -	3002056 - .010 -	3053165 - .085 -	3002056 - .040 -	3002056 - .010 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	8 - 3.9	4 - 1.9	4 - 1.9	8 - 3.9	4 - 1.9	4 - 1.9	48
49 AFC RPM - PSI	1600 - 31	1600 - 17	1600 - 17	1600 - 61	1600 - 28	1600 - 17	49
50 AFC Flow - pph	275	104	104	317	128	104	50
51 AFC Spring - Gage Height-In.	3007696 -	179822 -	179822 -	3007692 -	179822 -	179822 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 34	1600 - 65	1600 - 65	1600 - 49	1600 - 59	1600 - 65	53
54 AFC No Air Flow	267	232	232	322	198	232	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1987 CARB	1987 EPA	1987 EPA	1987 EPA	1987 EPA	1987 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTCC-444	FORMULA 315	FORMULA 315	NTC-444	NTC-350	FORMULA 315	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE A 3056629 HOUSING. MINIMUM NO LOAD OF 2280 RPM AT 15 PSI. USE AIR SIDE ASA P/N 3054993. PRESSURIZED GEAR PUMP. REF. USE .215 ON GOV. SPRING. USE CLASS FIT AFC ASSEMBLY 3041494.
- (2) USE 3056629 HOUSING. PRESSURIZED GEAR PUMP. MINIMUM GOVERNOR CHECK OF 1967 RPM @ 15 PSI. INSTALL SEALS AFTER CALIBRATION. USE CLASS FIT AFC ASSEMBLY 3041494. REF. USE .180 ON GOVERNOR SPRING.
- (3) USE 3056629 HOUSING. PRESSURIZED GEAR PUMP. MINIMUM GOVERNOR CHECK OF 1967 RPM @ 15 PSI. INSTALL SEALS AFTER CALIBRATION. USE CLASS FIT AFC ASSEMBLY 3041494. REF. USE .180 ON GOVERNOR SPRING.
- (4) MINIMUM NO-LOAD OF 2301 RPM AT 15 PSI. USE A 3056629 HOUSING. SHIM CRUISE SPEED (2250 RPM) RAIL PRESSURE 117-147 PSI. USE CLASS FIT AFC ASSEMBLY 3041494.
- (5) PRESSURIZED GEAR PUMP; USE 3056629 HOUSING; MINIMUM GOVERNOR CHECK OF 2259 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3041494.
- (6) USE 3056629 HOUSING. PRESSURIZED GEAR PUMP. MINIMUM GOVERNOR CHECK OF 1967 RPM @ 15 PSI. INSTALL SEALS AFTER CALIBRATION. USE CLASS FIT AFC ASSEMBLY 3041494. REF. USE .180 ON GOVERNOR SPRING.

1 Pump Code	6010-B	6011-B	6012-A	6013-A	6014-A	6015-C	1
2 Date - Control Parts List	DEC87 - 0833	DEC87 - 0833	DEC87 - 0832	DEC87 - 0796	JAN88 - 0827	AUG91 - 0840	2
3 Test HP @ RPM	392 - 408 @ 2100	358 - 372 @ 1800	294 - 306 @ 1800	306 - 324 @ 1750	354 - 376 @ 1800	343 - 357 @ 1800	3
4 Governed Speed-RPM						1800	4
5 Engine Fuel PSI	172 - 190	143 - 158	114 - 126	122 - 134	140 - 154	139 - 153	5
6 Fuel Rate Pound Per Hour	136 - 142	119 - 123	96 - 100	102 - 106	121 - 125	114 - 118	6
7 Intake Manifold Press. In./Hg	40 - 48	33 - 41	29 - 37	25 - 31	35 - 43	33 - 41	7
8 Torque Rise % - Curve	32 -	24 -	14 -	22 -	24 -	18 -	8
9 Torque Peak - PSI @ RPM						- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	1830 - 1850	1830 - 1850	1780 - 1800	1830 - 1850	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2106 @ 15	2048 @ 15	2106 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI						1986 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	38 @ 500	35 @ 500	31 @ 500	32 @ 500	37 @ 500	33 @ 500	22
23 Idle Speed cc @ RPM-Auto.	245 @ 630	245 @ 630	210 @ 620	210 @ 600	210 @ 640	210 @ 620	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	181 @ 2100	151 @ 1800	120 @ 1800	128 @ 1750	142 @ 1800	146 @ 1800	25
26 Calibration Flow	555	499	321	356	313	446	26
27 Check Point (1) PSI @ RPM	134 - 140 @ 1300	130 - 136 @ 1300	86 - 94 @ 1300	110 - 116 @ 1300	118 - 125 @ 1300	109 - 115 @ 1300	27
28 Check Point (1) Flow	472	465	272	331	285	382	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	5 - 141623	10 - 141625	30 - 141633	15 - 139894	17 - 140417	22 - 141630	34
35 Fuel Pump Housing						3059633	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143254 - .000	3004754 - .000	153235 - .000	3004754 - .000	143255 - .000	143254 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040760	3040760	3040760	3040760	3040760	40
41 Torque Spring - Shims - Gage Height	3002058 - .045 -	3002056 - .005 -	138802 - .020 -	3002055 - .000 -	3053159 - .085 -	3053156 - .050 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	4 - 1.9	4 - 1.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 66	1600 - 66	1600 - 17	1600 - 17	1600 - 42	1600 - 57	49
50 AFC Flow - pph	306	306	104	104	157	262	50
51 AFC Spring - Gage Height-In.	179828 -	179828 -	179822 -	179822 -	3000592 -	179830 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 72	1600 - 69	1600 - 77	1600 - 65	1600 - 52	1600 - 58	53
54 AFC No Air Flow	320	323	255	232	164	264	54
55 ASA Valve						3061508	55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1987 EPA	1987 EPA	1987 EPA	1987 EPA	1987 CARB	1988 CARB	62
63 Certified Year/Agency						1991 EPA	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-400	NTC-365	NTC-300	NTC-315	NTC-365	NTC-350	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3056629 HOUSING. USE AIR-SIDE ASA 3054993. MINIMUM GOVERNOR CHECK OF 2281 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3041494.
- (2) PRESSURIZED GEAR PUMP; USE A 3056629 HOUSING REF. USE .200 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1993 RPM @ 15 PSI. USE AIR SIDE ASA P/N 3054993. USE CLASS FIT AFC ASSEMBLY 3041494.
- (3) PRESSURIZED GEAR PUMP. USE 3056629 HSG. MIN. GOV. CHECK 1959 @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3041494.
- (4) PRESSURIZED GEAR PUMP; USE 3056629 HOUSING. MINIMUM GOVERNOR CHECK OF 1922 RPM @ 15 PSI. INSTALL SEALS AFTER CALIBRATION. USE CLASS FIT AFC ASSEMBLY 3041494.
- (5) PRESSURIZED GEAR PUMP; USE A 3056629 HSG. REF. USE .175 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1993 RPM AT 15 PSI USE AIR-SIDE ASA P/N 3061508. USE CLASS FIT AFC ASSEMBLY 3041494.
- (6) PRESSURIZED GEAR PUMP; USE A 3056629 HOUSING; USE AIR-SIDE ASA 3061508 (.035); USE CLASS-FIT AFC ASSEMBLY 3041494. MINIMUM GOVERNOR CHECK OF 1986 RPM @ 15 PSI.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6016-A - 6021-B

1 Pump Code	6016-A	6017-A	6018-B	6019-A	6020-C	6021-B	
2 Date - Control Parts List	JAN88 - 0827	OCT87 - 0674	DEC88 - 0910	JUL90 - 0838	MAY91 - 1185	MAY91 - 1185	2
3 Test HP @ RPM	388 - 412 @ 1800	294 - 306 @ 1900	435 - 453 @ 2100	306 - 324 @ 1800	392 - 408 @ 1800	354 - 376 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	163 - 181	117 - 129	198 - 218	128 - 142	163 - 181	140 - 154	5
6 Fuel Rate Pound Per Hour	131 - 137	99 - 103	154 - 160	103 - 107	131 - 137	120 - 125	6
7 Intake Manifold Press. In./Hg	39 - 47	31 - 39	49 - 57	33 - 41	37 - 45	33 - 41	7
8 Torque Rise % - Curve	14 -	21 -	26 -	25 -	14 -	24 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850	1930 - 1950	2130 - 2150	1830 - 1850	1830 - 1850	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2223 @ 15	2457 @ 15	2106 @ 15	2106 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI				1967 @ 15			15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	40 @ 500	28 @ 500	37 @ 500	38 @ 600			22
23 Idle Speed cc @ RPM-Auto.	210 @ 640	210 @ 620	220 @ 630	210 @ 620	200 @ 700	210 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	163 @ 1800	123 @ 1900	208 @ 2100	129 @ 1800	169 @ 1800	149 @ 1800	25
26 Calibration Flow	337	327	372	416	312	289	26
27 Check Point (1) PSI @ RPM	118 - 124 @ 1300	84 - 90 @ 1300	161 - 168 @ 1500	104 - 110 @ 1300	124 - 130 @ 1300	126 - 132 @ 1300	27
28 Check Point (1) Flow	286	270	327	370	261	266	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	- 143854	.800 - 143854	.800 - 143854	.800 - 143854	- 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	15 - 139894	35 - 140922	15 - 139894	22 - 141630	15 - 139894	17 - 140417	34
35 Fuel Pump Housing				3056629			35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	144490 - .000	3000941 - .000	143253 - .000	3001146 - .000	144490 - .000	143255 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040760	40
41 Torque Spring - Shims - Gage Height	3053157 - .055 -	139587 - .000 -	3053163 - .075 -	3053157 - .075 -	3053157 - .055 -	3053159 - .085 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly				3041494			47
48 AFC In./Hg - PSI	8 - 3.9	4 - 1.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 42	1600 - 17	1600 - 36	1600 - 45	1600 - 34	1600 - 34	49
50 AFC Flow - pph	157	104	142	230	123	123	50
51 AFC Spring - Gage Height-In.	3000592 -	179822 -	3007696 -	179830 -	3007694 -	3007694 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 52	1600 - 77	1600 - 47	1600 - 48	1600 - 52	1600 - 52	53
54 AFC No Air Flow	164	255	159	234	164	164	54
55 ASA Valve				3061508			55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1987 CARB	1987 EPA	1988 CARB	1988 CARB	1988 CARB	1988 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-400	NTC-300	NTC-444	NTC-315	NTC-400	NTC-365	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE A PRESSURIZED GEAR PUMP; USE A 3056629 HOUSING; REF: USE .165 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2012 RPM AT 15 PSI USE AIR-SIDE ASA P/N 3061508. USE CLASS-FIT AFC ASSEMBLY 3041494.
- (2) PRESSURIZED GEAR PUMP; USE 3056629 HOUSING; MIN. GOVERNOR CHECK OF 2051 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3041494.
- (3) PRESSURIZED GEAR PUMP; USE A 3056629 HOUSING. AIR SIDE ASA 3062159. REF. USE .115 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI USE A CLASS FIT AFC ASSEMBLY 3041494.
- (4) PRESSURIZED GEAR PUMP. USE 3056629 HSG. USE AIR SIDE ASA P/N 3061508. MINIMUM GOVERNOR CHECK OF 1967 RPM AT 15 PSI USE CLASS FIT AFC ASSY 3041494.
- (5) USE A PRESSURIZED GEAR PUMP; USE A 3056629 HOUSING; REF: USE .165 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2012 RPM AT 15 PSI USE AIR-SIDE ASA P/N 3061508. USE CLASS-FIT AFC ASSEMBLY 3041494.
- (6) PRESSURIZED GEAR PUMP; USE A 3056629 HSG. REF: USE .175 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1993 RPM AT 15 PSI USE AIR-SIDE ASA P/N 3061508. USE CLASS FIT AFC ASSEMBLY 3041494.

1 Pump Code	6022-B	6023-B	6024-B	6025-B	6026-C	6027-C	1
2 Date - Control Parts List	JUL90 - 0838	APR88 - 0838	MAY91 - 1185	MAY91 - 1185	MAY91 - 1185	AUG91 - 0838	2
3 Test HP @ RPM	309 - 321 @ 1800	294 - 306 @ 1800	392 - 408 @ 2100	358 - 372 @ 2100	358 - 372 @ 1900	309 - 321 @ 1800	3
4 Governed Speed-RPM						1800	4
5 Engine Fuel PSI	128 - 142	119 - 131	175 - 193	146 - 162	143 - 159	125 - 139	5
6 Fuel Rate Pound Per Hour	103 - 107	99 - 103	139 - 145	127 - 133	123 - 129	104 - 108	6
7 Intake Manifold Press. In./Hg	33 - 41	32 - 40	39 - 47	36 - 44	34 - 42	33 - 41	7
8 Torque Rise % - Curve	25 -	14 -	32 -	45 -	31 -	25 -	8
9 Torque Peak - PSI @ RPM						- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850	1830 - 1850	2130 - 2150	2130 - 2150	1930 - 1950	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	2223 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1967 @ 15					1967 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	32 @ 500	32 @ 500				38 @ 500	22
23 Idle Speed cc @ RPM-Auto.	210 @ 620	210 @ 620	200 @ 700	200 @ 700	200 @ 700	220 @ 640	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	129 @ 1800	125 @ 1800	184 @ 2100	160 @ 2100	151 @ 1900	132 @ 1800	25
26 Calibration Flow	416	380	326	302	300	398	26
27 Check Point (1) PSI @ RPM	104 - 110 @ 1300	87 - 93 @ 1300	126 - 133 @ 1300	126 - 132 @ 1300	128 - 135 @ 1300	106 - 113 @ 1300	27
28 Check Point (1) Flow	370	315	267	266	276	359	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	22 - 141630	32 - 141634	17 - 140417	17 - 140417	15 - 139894	20 - 141629	34
35 Fuel Pump Housing	3056629					3063797	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3001146 - .000	153238 - .000	153238 - .000	3004750 - .000	3004754 - .000	3004752 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040760	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053157 - .075 -	138802 - .000 -	3002056 - .025 -	3821487 - .040 -	3053163 - .100 -	3053157 - .085 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3041494					3059603	47
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9		48
49 AFC RPM - PSI	1600 - 45	1600 - 45	1600 - 34	1600 - 34	1600 - 34	1600 - 41	49
50 AFC Flow - pph	230	230	123	123	123	218	50
51 AFC Spring - Gage Height-In.	179830 -	179830 -	3007694 -	3007694 -	3007694 -	179828 -	51
52 AFC Bias Spring						3051071	52
53 AFC No Air RPM - PSI	1600 - 48	1600 - 48	1600 - 52	1600 - 52	1600 - 52	1600 - 48	53
54 AFC No Air Flow	234	234	164	164	164	234	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	62
63 Certified Year/Agency						1991 EPA	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-315	NTC-300	NTC-400	NTC-365	88NT-365	NTC-315	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP. USE 3056629 HSG. MINIMUM GOVERNOR CHECK OF 1967 RPM @ 15 PSI. USE CLASS FIT AFC ASSY 3041494.
- (2) PRESSURIZED GEAR PUMP. USE A 3056629 HOUSING. REF: USE .090 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1959 RPM @ 15 PSI. USE CLASS FIT AFC ASSY 3041494.
- (3) USE A 3056629 HOUSING. MINIMUM GOVERNOR CHECK OF 2282 @ 15 PSI. USE AIR SIDE ASA P/N 3061508 REF: 0.100 SHIM ON GOVERNOR. PRESSURIZED GEAR PUMP. USE CLASS FIT AFC ASSY 3041494.
- (4) PRESSURIZED GEAR PUMP. USE A 3056629 HSG. USE AIR SIDE ASA P/N 3061508. REF: USE .110 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2266 RPM @ 15 PSI. USE CLASS FIT AFC ASSY 3041494.
- (5) PRESSURIZED GEAR PUMP. USE A 3056629 HOUSING. USE AN AIR-SIDE ASA P/N 3061508. REF: USE .115 SHIMS ON GOVERNOR. MINIMUM GOVERNOR CHECK OF 2083 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3041494.
- (6) PRESSURIZED GEAR PUMP. REF: USE .170 SHIMS ON GOVERNOR SPRING. USE 3063797 HOUSING. MINIMUM GOVERNOR CHECK OF 1967 RPM @ 15 PSI. USE CLASS FIT AFC ASSY 3059603. AFC BIAS SPRING 3051071.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6028-A - 6033-A

1 Pump Code	6028-A	6029-B	6030-A	6031-A	6032-D	6033-A	1
2 Date - Control Parts List	AUG91 - 0838	MAY91 - 1185	AUG91 - 0838	AUG91 - 0840	JUN92 - 1187	AUG91 - 0838	2
3 Test HP @ RPM	294 - 306 @ 1800	392 - 408 @ 1900	308 - 324 @ 2100	343 - 357 @ 2100	279 - 291 @ 1600	309 - 321 @ 1900	3
4 Governed Speed-RPM	1800		2100	2100		1900	4
5 Engine Fuel PSI	119 - 131	159 - 175	138 - 152	150 - 166	99 - 109	127 - 141	5
6 Fuel Rate Pound Per Hour	99 - 103	132 - 138	111 - 115	121 - 125	88 - 92	107 - 111	6
7 Intake Manifold Press. In./Hg	32 - 40	38 - 46	36 - 44	36 - 44	27 - 33	35 - 43	7
8 Torque Rise % - Curve	14 -	20 -	46 -	37 -	23 -	32 -	8
9 Torque Peak - PSI @ RPM	- @ 1300		- @ 1300	- @ 1300		- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850	1930 - 1950	2130 - 2150	2130 - 2150	1620 - 1640	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2223 @ 15	2457 @ 15	2457 @ 15	1872 @ 15	2223 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1959 @ 15		2243 @ 15	2259 @ 15	1770 @ 15	2058 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -		110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	32 @ 500		32 @ 500	33 @ 500	42 @ 500	32 @ 500	22
23 Idle Speed cc @ RPM-Auto.	210 @ 620	200 @ 700	210 @ 620	210 @ 620	230 @ 640	210 @ 620	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	125 @ 1800	173 @ 1900	145 @ 2100	158 @ 2100	104 @ 1600	134 @ 1900	25
26 Calibration Flow	380	319	419	468	340	408	26
27 Check Point (1) PSI @ RPM	87 - 93 @ 1300	126 - 132 @ 1300	107 - 114 @ 1300	110 - 116 @ 1300	82 - 89 @ 1100	102 - 109 @ 1300	27
28 Check Point (1) Flow	315	266	358	388	305	364	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	32 - 141634	20 - 141629	20 - 141629	22 - 141630	15 - 139894	17 - 140417	34
35 Fuel Pump Housing	3063797		3063797	3059633	3063935	3063797	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	153235 - .000	143254 - .000	143253 - .000	143256 - .000	3036899 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040760	3040750	3040850	3040750	40
41 Torque Spring - Shims - Gage Height	138802 - .000 -	3053158 - .080 -	3002049 - .015 -	3002055 - .045 -	138802 - .040 -	3002056 - .005 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI		8 - 3.9		8 - 3.9			48
49 AFC RPM - PSI	1600 - 41	1600 - 34	1600 - 41	1600 - 57	1100 - 50	1600 - 41	49
50 AFC Flow - pph	218	123	218	262	227	218	50
51 AFC Spring - Gage Height-In.	179828 -	3007694 -	179828 -	179830 -	179824 -	179828 -	51
52 AFC Bias Spring	3051071		3051071		3051071	3051071	52
53 AFC No Air RPM - PSI	1600 - 48	1600 - 52	1600 - 48	1600 - 58	1100 - 53	1600 - 48	53
54 AFC No Air Flow	234	164	234	264	235	234	54
55 ASA Valve				3061508			55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1989 CARB	1988 EPA	1988 CARB	62
63 Certified Year/Agency	1991 EPA		1991 EPA	1991 EPA		1991 EPA	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-300	NTC-400	NTC-315	NTC-350	NT-FT-285	NTC-315	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3063797 HOUSING. REF: USE .090 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1959 RPM @ 15 PSI. USE CLASS FIT AFC ASSY 3059603. AFC BIAS SPRING 3051071.
- (2) PRESSURIZED GEAR PUMP; USE A 3056629 HOUSING USE AIR-SIDE ASA P/N 3061508. REF: USE .155 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2101 RPM AT 15 PSI USE CLASS-FIT AFC ASSEMBLY 3041494.
- (3) PRESSURIZED GEAR PUMP; USE A 3063797 HOUSING; REF: USE 0.105 SHIMS ON GOV. MINIMUM GOVERNOR CHECK OF 2243 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3059603 AFC BIAS SPRING 3051071.
- (4) PRESSURIZED GEAR PUMP, USE A 3059633 HOUSING. MINIMUM NO-LOAD OF 2259 RPM @ 15 PSI. USE AIR-SIDE ASA 3061508 (.035). USE CLASS-FIT AFC ASSEMBLY 3041494.
- (5) PRESSURIZED GEAR PUMP, USE A 3063935 HOUSING. USE A CLASS FIT AFC ASSEMBLY 3059603, AFC BIAS SPRING 3051071. REF: USE .195 SHIMS ON GOVERNOR SPRING, MINIMUM GOVERNOR CHECK OF 1770 RPM @ 15 PSI.
- (6) PRESSURIZED GEAR PUMP; USE A 3063797 HOUSING; REF: USE .215 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2058 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3059603. AFC BIAS SPRING 3051071.

1 Pump Code	6034-A	6035-A	6036-A	6037-C	6038-E	6039-C
2 Date - Control Parts List	AUG91 - 0838	AUG91 - 0840	NOV91 - 1210	AUG91 - 1211	MAY91 - 1211	MAY91 - 1211
3 Test HP @ RPM	294 - 306 @ 1900	343 - 357 @ 1800	435 - 453 @ 2100	392 - 408 @ 1800	354 - 376 @ 1800	332 - 408 @ 2100
4 Governed Speed-RPM	1900	1800	1800	1800	1800	2100
5 Engine Fuel PSI	121 - 133	137 - 151	198 - 218	183 - 181	145 - 159	175 - 193
6 Fuel Rate Pound Per Hour	103 - 107	114 - 118	154 - 160	131 - 137	120 - 125	139 - 145
7 Intake Manifold Press. In./Hg	33 - 41	33 - 41	49 - 57	37 - 45	33 - 41	39 - 47
8 Torque Rise % - Curve	21 -	13 -	26 -	14 -	24 -	32 -
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	-	- @ 1300	- @ 1300	- @ 1300
10 Cranking Fuel Press.-PSI @ RPM	-	-	-	-	-	-
11 Auto. Gov. Setting-RPM	1930 - 1950	1830 - 1850	2130 - 2150	1830 - 1850	1830 - 1850	2130 - 2150
12 VS/Sec. Gov. Setting-RPM	-	-	-	-	-	-
13 Cruise Speed-PSI @ RPM	-	-	-	-	-	-
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2106 @ 15	2457 @ 15	2106 @ 15	2106 @ 15	2457 @ 15
15 Min. Auto. Gov. Check-RPM @ PSI	2051 @ 15	1986 @ 15	-	2012 @ 15	1993 @ 15	2282 @ 15
16 RS Gov. Setting-PSI @ RPM	-	-	-	-	-	-
17 Low RS Gov. Setting-RPM	-	-	-	-	-	-
18 Max. VS/Sec. Gov. Check-RPM @ PSI	-	-	-	-	-	-
19 Min. VS/Sec. Gov. Check-RPM @ PSI	-	-	-	-	-	-
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -
22 Idle Speed PSI @ RPM-Auto.	32 @ 500	33 @ 500	37 @ 500	-	-	-
23 Idle Speed cc @ RPM-Auto.	210 @ 620	210 @ 620	220 @ 630	200 @ 700	210 @ 700	200 @ 700
24 VS/Sec. Gov. Idle PSI @ RPM - cc	-	-	-	-	-	-
25 Calibration PSI @ RPM	127 @ 1900	144 @ 1800	208 @ 2100	189 @ 1800	150 @ 1800	184 @ 2100
26 Calibration Flow	397	443	372	312	280	326
27 Check Point (1) PSI @ RPM	87 - 94 @ 1300	101 - 108 @ 1300	161 - 168 @ 1500	124 - 130 @ 1300	132 - 139 @ 1300	126 - 133 @ 1300
28 Check Point (1) Flow	328	370	327	261	265	267
29 Check Point (2) PSI @ RPM	-	-	-	-	-	-
30 Check Point (2) Flow	-	-	-	-	-	-
31 Check Point (3) PSI @ RPM	-	-	-	-	-	-
32 Check Point (3) Flow	-	-	-	-	-	-
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854
34 Idle Plunger Code - Part No.	27 - 141632	22 - 141630	15 - 139894	15 - 139894	12 - 141626	17 - 140417
35 Fuel Pump Housing	3063797	3059633	3059633	3056629	3056629	3056629
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	3000941 - .000	143253 - .000	144490 - .000	3052122 - .000	153238 - .000
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750
41 Torque Spring - Shims - Gage Height	138802 - .035 -	138802 - .000 -	3053163 - .075 -	3053157 - .055 -	3053163 - .085 -	3002056 - .025 -
42 VS Gov. Max. Spring - Ref. Shims	-	-	-	-	-	-
43 VS Gov. Idle Spring	-	-	-	-	-	-
44 VS Gov. Weights	-	-	-	-	-	-
45 VS Gov. Plunger	-	-	-	-	-	-
46 VS Gov. Sleeve	-	-	-	-	-	-
47 AFC Barrel & Plunger Assembly	-	-	-	-	-	-
48 AFC In./Hg - PSI	-	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9
49 AFC RPM - PSI	1600 - 41	1600 - 57	1600 - 36	1300 - 30	1300 - 30	1300 - 30
50 AFC Flow - gph	218	262	142	108	108	108
51 AFC Spring - Gage Height-In.	179828 -	179830 -	3007696 -	3007694 -	3007694 -	3007694 -
52 AFC Bias Spring	3051071	-	-	-	-	-
53 AFC No Air RPM - PSI	1600 - 48	1600 - 58	1600 - 47	1300 - 51	1300 - 51	1300 - 51
54 AFC No Air Flow	234	264	159	148	148	148
55 ASA Valve	-	3061508	-	3061508	3061508	3061508
56 TMD Set with ST589 - Shims	-	-	-	-	-	-
57 TMD Spring	-	-	-	-	-	-
58 TMD Plunger	-	-	-	-	-	-
59 EFC Assembly	-	-	-	-	-	-
60 PT Pacer Assembly	-	-	-	-	-	-
61 Fuel Line Check Valve	-	-	-	-	-	-
62 Certified Year/Agency	1988 CARB	1989 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB
63 Certified Year/Agency	1991 EPA	1991 EPA	-	1991 EPA	1991 EPA	1991 EPA
64 Certified Year/Agency	-	-	-	-	-	-
65 Certified Year/Agency	-	-	-	-	-	-
66 Engine Model	NTC-300	NTC-350	NTC-444	NTC-400	NTC-365	NTC-400
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3063797 HOUSING; REF. USE .090 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2051 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3059603. AFC BIAS SPRING 3051071.
- (2) PRESSURIZED GEAR PUMP; USE A 3059633 HOUSING. USE AIR-SIDE ASA 3061508 (.035). REF. USE .150 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1986 RPM @ 15 PSI. USE CLASS-FIT AFC ASSEMBLY 3041494.
- (3) PRESSURIZED GEAR PUMP; USE A 3056629 HOUSING. AIR SIDE ASA 3062159. REF. USE .115 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI USE A CLASS FIT AFC ASSEMBLY 3041494.
- (4) USE A PRESSURIZED GEAR PUMP; USE A 3056629 HOUSING; REF. USE .165 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2012 RPM AT 15 PSI USE AIR-SIDE ASA P/N 3061508. USE CLASS-FIT AFC ASSEMBLY 3041494.
- (5) PRESSURIZED GEAR PUMP; USE A 3056629 HSG. REF. USE .205 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1993 RPM AT 15 PSI USE AIR-SIDE ASA P/N 3061508. USE CLASS FIT AFC ASSEMBLY 3041494.
- (6) USE A 3056629 HOUSING. MINIMUM GOVERNOR CHECK OF 2282 @ 15 PSI. USE AIR SIDE ASA P/N 3061508 REF. 0.100 SHIM ON GOVERNOR. PRESSURIZED GEAR PUMP. USE CLASS FIT AFC ASSY 3041494

PT (TYPE-G) FUEL PUMP CALIBRATION DATA

CODES 6040-D - 6045-B

1 Pump Code	6040-D	6041-D	6042-C	6043-A	6044-B	6045-B	1
2 Date - Control Parts List	MAY91 - 1211	MAY91 - 1211	MAY91 - 1211	AUG91 - 0840	AUG91 - 0838	JAN90 - 1187	2
3 Test HP @ RPM	358 - 372 @ 2100	358 - 372 @ 1900	392 - 408 @ 1900	343 - 357 @ 1900	309 - 321 @ 1700	279 - 291 @ 1700	3
4 Governed Speed-RPM	2100	1900	1900	1900	1700		4
5 Engine Fuel PSI	152 - 168	143 - 159	159 - 175	142 - 156	123 - 135	102 - 112	5
6 Fuel Rate Pound Per Hour	127 - 133	123 - 129	132 - 138	117 - 121	102 - 106	89 - 93	6
7 Intake Manifold Press. In./Hg	36 - 44	34 - 42	38 - 46	34 - 42	32 - 40	27 - 35	7
8 Torque Rise % - Curve	45 -	31 -	20 -	24 -	18 -	31 -	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300		9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	1930 - 1950	1930 - 1950	1930 - 1950	1730 - 1750	1720 - 1740	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2223 @ 15	2223 @ 15	2223 @ 15	1989 @ 15	1989 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2266 @ 15	2083 @ 15	2101 @ 15	2076 @ 15	1877 @ 15	1860 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto. VS. Lev.	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.				33 @ 500	32 @ 500	43 @ 500	22
23 Idle Speed cc @ RPM-Auto.	200 @ 700	200 @ 700	200 @ 700	210 @ 620	210 @ 620	230 @ 640	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	159 @ 2100	151 @ 1900	173 @ 1900	149 @ 1900	129 @ 1700	107 @ 1700	25
26 Calibration Flow	.310	.300	.319	.452	.392	.340	26
27 Check Point (1) PSI @ RPM	132 - 139 @ 1300	128 - 135 @ 1300	126 - 132 @ 1300	107 - 114 @ 1300	103 - 110 @ 1300	83 - 90 @ 1100	27
28 Check Point (1) Flow	.282	.276	.266	.381	.361	.300	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting- Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code- Part No.	12 - 141626	15 - 139894	20 - 141629	20 - 141629	25 - 141631	15 - 139894	34
35 Fuel Pump Housing	3059633	3056629	3056629	3059633	3063935	3063935	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004754 - .000	3004754 - .000	153235 - .000	153235 - .000	3004752 - .000	143256 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040750	3040750	3040750	3040850	3040850	40
41 Torque Spring Shims - Gage Height	3821489 - .045 -	3053163 - .100 -	3053158 - .080 -	3053157 - .085 -	3053157 - .055 -	3002054 - .015 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly					3059603		47
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9			48
49 AFC RPM - PSI	1300 - 30	1300 - 30	1300 - 30	1600 - 57	1300 - 39	1100 - 50	49
50 AFC Flow - pph	108	108	108	262	190	227	50
51 AFC Spring - Gage Height-In.	3007694 -	3007694 -	3007694 -	179830 -	179828 -	179824 -	51
52 AFC Bias Spring					3051071	3051071	52
53 AFC No Air RPM - PSI	1300 - 51	1300 - 51	1300 - 51	1600 - 58	1300 - 43	1100 - 53	53
54 AFC No Air Flow	148	148	148	264	205	235	54
55 ASA Valve	3061508	3061508	3061508	3061508			55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1989 CARB	1988 CARB	1988 EPA	62
63 Certified Year/Agency	1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA		63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-365	88NT-365	NTC-400	NTC-350	NTC-315	NT-FT-285	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP. USE A 3056629 HSG. USE AIR SIDE ASA P/N 3061508. REF: USE .125 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2266 RPM AT 15 PSI USE CLASS FIT AFC ASSY 3041494.
- (2) PRESSURIZED GEAR PUMP. USE A 3056629 HOUSING. USE AN AIR-SIDE ASA P/N 3061508. REF: USE .115 SHIMS ON GOVERNOR. MINIMUM GOVERNOR CHECK OF 2083 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3041494.
- (3) PRESSURIZED GEAR PUMP. USE A 3056629 HOUSING USE AIR-SIDE ASA P/N 3061508. REF: USE .155 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2101 RPM AT 15 PSI USE CLASS-FIT AFC ASSEMBLY 3041494.
- (4) PRESSURIZED GEAR PUMP. USE A 3059633 HOUSING. USE AIR-SIDE ASA 3061508 (.035). REF: USE .150 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2076 RPM @ 15 PSI. USE CLASS-FIT AFC ASSEMBLY 3041494.
- (5) PRESSURIZED GEAR PUMP. USE A 3063935 HOUSING REF: USE .180 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1877 RPM AT 15 PSI USE CLASS FIT AFC ASSEMBLY 3059603. AFC BIAS SPRING 3051071.
- (6) PRESSURIZED GEAR PUMP. USE A 3063935 HOUSING. USE A CLASS FIT AFC ASSEMBLY 3059603, AFC BIAS SPRING 3051071. REF. USE .210 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1860 RPM AT 15 PSI.

1 Pump Code	6046-A	6047-D	6048-A	6049-B	6050-A	6051-A	1
2 Date - Control Parts List	JAN90 - 1187	APR91 - 1280	JAN91 - 1286	MAY91 - 1188	JUN89 - 0840	AUG91 - 0840	2
3 Test HP @ RPM	291 - 309 @ 1700	435 - 453 @ 2100	431 - 457 @ 2100	343 - 357 @ 1700	343 - 357 @ 1800	343 - 357 @ 1700	3
4 Governed Speed-RPM		2100				1700	4
5 Engine Fuel PSI	108 - 120	173 - 191	173 - 191	137 - 151	140 - 155	140 - 154	5
6 Fuel Rate Pound Per Hour	93 - 97	156 - 162	156 - 162	112 - 116	113 - 117	113 - 117	6
7 Intake Manifold Press. In./Hg	28 - 36	41 - 49	41 - 49	36 - 44	34 - 42	32 - 40	7
8 Torque Rise % - Curve	24 -	26 -	26 - 1456	23 -	18 -	11 -	8
9 Torque Peak - PSI @ RPM		- @ 1500				- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM		2120 - 2140			1830 - 1850	1730 - 1750	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	45 - 75 @ 1800		116 - 126 @ 2241	92 - 103 @ 1823			13
14 Max. Auto. Gov. Check-RPM @ PSI	1934 @ 15	2428 @ 15	2447 @ 15	1966 @ 15	2106 @ 15	1989 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1820 @ 15	2277 @ 15	2292 @ 15	1881 @ 15	1986 @ 15	1897 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -		110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	31 @ 500	46 @ 600	53 @ 500		38 @ 500	33 @ 500	22
23 Idle Speed cc @ RPM-Auto.	230 @ 620	220 @ 710	220 @ 630	220 @ 700	220 @ 630	210 @ 620	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	114 @ 1670	182 @ 2100	182 @ 2100	144 @ 1700	148 @ 1800	147 @ 1700	25
26 Calibration Flow	357	344	342	270	422	430	26
27 Check Point (1) PSI @ RPM	82 - 89 @ 1100	151 - 157 @ 1500	147 - 154 @ 1500	104 - 111 @ 1100	112 - 118 @ 1300	111 - 117 @ 1300	27
28 Check Point (1) Flow	304	312	306	228	366	374	28
29 Check Point (2) PSI @ RPM		77 - 90 @ 930	73 - 86 @ 840				29
30 Check Point (2) Flow		218	210				30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.790 - 3074242	.778 - 3067409	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141629	20 - 141629	20 - 141629	10 - 141625	20 - 141629	20 - 141629	34
35 Fuel Pump Housing	3063935	3063797	3063797	3069269	3063797	3056629	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3036897 - .000	3000935 - .000	143254 - .000	3036894 - .200	143254 - .000	153235 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040850	3040750	3040750	3040850	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138802 - .040 -	3053167 - .080 -	3053168 - .065 -	3053159 - .070 -	3053156 - .060 -	138999 - .030 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly		3067834					47
48 AFC In./Hg - PSI		9 - 4.4	7 - 3.4	8 - 3.9		8 - 3.9	48
49 AFC RPM - PSI	1100 - 50	1600 - 73	1600 - 95	1100 - 37	1600 - 50	1600 - 57	49
50 AFC Flow - pph	227	207	242	120	234	262	50
51 AFC Spring - Gage Height-In.	179824 -	3007696 -	3007696 -	179834 -	179832 -	179830 -	51
52 AFC Bias Spring	3051071	3068170					52
53 AFC No Air RPM - PSI	1100 - 53	1600 - 49	1600 - 49	1100 - 51	1600 - 58	1600 - 58	53
54 AFC No Air Flow	235	164	164	148	253	264	54
55 ASA Valve			3062158			3061508	55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1989 EPA	1989 CARB	1989 CARB	1989 EPA	1989 CARB	1989 CARB	62
63 Certified Year/Agency		1991 EPA				1991 EPA	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NT-FT-285	'89 NTC-444	89-NTC-444	NTC FLEET 350	NTC-350	NTC-350	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3063935 HOUSING USE A 3059603 CLASS FIT AFC ASSEMBLY; AFC BIAS SPRING 3051071. REF: USE .180 SHIMS ON GOVERNOR SPRING SHIM TO CRUISE SPEED (1800 RPM) CRUISE RAIL PRESSURE 45-75 PSI MINIMUM GOVERNOR CHECK OF 1820 RPM AT 15 PSI INSTALL SEALS AFTER CALIBRATION.
- (2) PRESSURIZED GEAR PUMP; USE A 3063797 HOUSING USE A CLASS FIT AFC ASSY P/N 3067834. USE A 3068170 BIAS SPRING. MIN. GOV. CHECK OF 2292 RPM @ 15 PSI. REF: USE .105 SHIMS ON GOVERNOR SPRING. CK. PT. 2 77-90 PSI @ 218 LB./HR. @ 930 RPM. CONTAINS STEEL PRELOADED WT. ASST.
- (3) PRESSURIZED GEAR PUMP; USE A 3063797 HOUSING USE A 3062158 AIR SIDE ASA. USE A CLASS FIT AFC ASSY. P/N 3067834. USE A 3068170 BIAS SPRING. SHIM CRUISE SPEED (2241) RPM RAIL PRESSURE TO 116-126 PSI. MINIMUM GOVERNOR CHECK OF 2292 RPM AT 15 PSI. REF: USE .220 SHIMS ON GOVERNOR SPRING. CK. PT. TWO 73-86 PSI @ 210 PPH @ 840 RPM. INSTALL SEALS AFTER CALIBRATION.
- (4) PRESSURIZED GEAR PUMP; USE A 3069269 HOUSING REF: USE .200 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1881 RPM @ 15 PSI. SHIM TO CRUISE SPEED (1823 RPM) RAIL PRESSUR TO 92-103 PSI. USE CLASS FIT AFC ASSY P/N 3041494.
- (5) PRESSURIZED GEAR PUMP; USE A 3063797 HOUSING; MINIMUM GOVERNOR CHECK OF 1986 RPM @ 15 PSI. REF: USE .120 SHIMS ON GOVERNOR SPRING. AFC BIAS SPRING 3051071. USE AIR SIDE ASA 3061508 (.035). USE CLASS FIT AFC ASSY 3058944.
- (6) PRESSURIZED GEAR PUMP; USE A 3056629 HOUSING USE AIR SIDE ASA 3061508 (.035). REF: USE .125 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1897 RPM @ 15 PSI. USE CLASS FIT AFC ASSY 3041494.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6052-B - 6057-A

1 Pump Code	6052-B	6053-C	6054-B	6055-B	6056-B	6057-A	1
2 Date - Control Parts List	OCT91 - 1352	APR91 - 1280	MAY91 - 1211	MAR91 - 1210	MAR91 - 0910	JUN92 - 0840	2
3 Test HP @ RPM	294 - 306 @ 1700	416 - 432 @ 1900	343 - 357 @ 1900	435 - 453 @ 2100	435 - 453 @ 2100	319 - 332 @ 1900	3
4 Governed Speed-RPM	1700	1900	1900			1800	4
5 Engine Fuel PSI	107 - 119	156 - 172	133 - 147	198 - 218	198 - 218	128 - 142	5
6 Fuel Rate Pound Per Hour	96 - 100	143 - 149	118 - 122	154 - 160	154 - 160	109 - 113	6
7 Intake Manifold Press. In./Hg	32 - 40	38 - 46	32 - 40	49 - 57	49 - 57	32 - 40	7
8 Torque Rise % - Curve	24 -	19 -	37 -	26 -	26 -	34 -	8
9 Torque Peak - PSI @ RPM	- @ 1100	- @ 1400	- @ 1200	- @ 1500	- @ 1500	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1720 - 1740	1920 - 1940	1930 - 1950	2130 - 2150	2130 - 2150	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	1990 @ 15	2194 @ 15	2223 @ 15	2457 @ 15	2457 @ 15	2223 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1870 @ 15	2088 @ 15	2076 @ 15	2302 @ 15	2302 @ 15	2063 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	47 @ 500	47 @ 600	40 @ 600	40 @ 600	40 @ 600	40 @ 500	22
23 Idle Speed cc @ RPM-Auto.	240 @ 650	220 @ 710	220 @ 700	220 @ 700	220 @ 700	220 @ 630	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	113 @ 1700	164 @ 1900	140 @ 1900	208 @ 2100	208 @ 2100	135 @ 1900	25
26 Calibration Flow	381	322	318	372	372	424	26
27 Check Point (1) PSI @ RPM	79 - 86 @ 1100	132 - 141 @ 1400	119 - 126 @ 1200	161 - 168 @ 1500	161 - 168 @ 1500	113 - 120 @ 1300	27
28 Check Point (1) Flow	316	290	294	327	327	390	28
29 Check Point (2) PSI @ RPM		76 - 87 @ 920					29
30 Check Point (2) Flow		215					30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.790 - 3074242	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	17 - 140417	20 - 141629	5 - 141623	17 - 140417	17 - 140417	15 - 139894	34
35 Fuel Pump Housing	3063935	3063797	3056629	3056629	3056629	3056629	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3038894 - .220	3004750 - .000	3052121 - .305	143253 - .115	143253 - .115	3004754 - .160	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040850	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053157 - .080 -	3053162 - .060 -	3053168 - .100 -	3053163 - .075 - .575	3053163 - .075 - .575	3002058 - .010 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3058944	3067834	3041494	3041494	3041494	3041494	47
48 AFC In./Hg - PSI		9 - 4.4	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1300 - 40	1600 - 73	1300 - 30	1600 - 36	1600 - 36	1300 - 52	49
50 AFC Flow - pph	208	207	108	142	142	234	50
51 AFC Spring - Gage Height-In.	179822 -	3007696 -	3007694 -	3007696 -	3007696 -	179830 -	51
52 AFC Bias Spring	3051069	3068170					52
53 AFC No Air RPM - PSI	1300 - 47	1600 - 49	1300 - 51	1600 - 47	1600 - 47	1300 - 54	53
54 AFC No Air Flow	229	164	148	159	159	238	54
55 ASA Valve	3062158		3061508	3061508	3061508	3061508	55
56 JMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1990 CARB	1990 CARB	1990 CARB	1989 CARB	1988 CARB	1990 CARB	62
63 Certified Year/Agency	1991 EPA	1991 EPA	1991 EPA			1991 EPA	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	'90' FLEET 300	89-NT-424	NTC-365	NTC-444	NTC-444	NTC-350	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3063935 HOUSING USE A 3058944 CLASS FIT AFC ASSY. AFC BIAS SPRING 3051069. USE AIR SIDE ASA P/N 3062158 (.024). REF. USE .220 SHIMS ON GOV. SPRING. MIN. GOV. CK. OF 1870 RPM @ 15 PSI.
- (2) PRESSURIZED GEAR PUMP; USE A 3063797 HOUSING USE A CLASS FIT AFC ASSY. P/N 3067834. USE A 3068170 BIAS SPRING. MIN. GOV. CK. OF 2088 RPM @ 15 PSI. REF. USE .200 SHIMS ON GOVERNOR SPRING. CK.PT. TWO 77-87 PSI @ 215 PPH @ 920 RPM. CONTAINS STEEL PRELOADED WT. ASST.
- (3) PRESSURIZED GEAR PUMP; USE A 3056629 HOUSING USE AN AIR SIDE ASA 3061508. REF. USE .305 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2076 RPM AT 15 PSI USE CLASS FIT AFC ASSY 3041494. PACE CODE.
- (4) PRESSURIZED GEAR PUMP; USE A 3056629 HOUSING. AIR SIDE ASA 3061508. REF. USE .115 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI USE A CLASS FIT AFC ASSEMBLY 3041494. THIS CODE TO BE USED WITH TURBO BHT3B. REF. FF 122.
- (5) PRESSURIZED GEAR PUMP; USE A 3056629 HOUSING. AIR SIDE ASA 3061508. REF. USE .115 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI USE A CLASS FIT AFC ASSEMBLY 3041494. THIS CODE TO BE USED WITH TURBO BHT3B. REF. FF 122.
- (6) PRESS. GEAR PUMP; USE A 3056629 HOUSING. USE AN AIR SIDE ASA 3061508 (.035). MINIMUM GOV. CK. OF 2063 RPM @ 15 PSI. USE CLASS FIT AFC ASSY 3041494. REF. USE .160 SHIMS ON GOVERNOR SPRING. PACE CODE.

1 Pump Code	6058-A	6059-A	6060-A	6061-A	6062-B	6063-B	1
2 Date - Control Parts List	JUL90 - 0838	OCT91 - 0821	MAR91 - 1210	MAR91 - 0910	JUN91 - 1280	JUN91 - 1280	2
3 Test HP @ RPM	294 - 306 @ 2100	441 - 459 @ 2100	441 - 459 @ 2100	441 - 459 @ 2100	435 - 453 @ 2100	416 - 432 @ 1900	3
4 Governed Speed-RPM					2100	1900	4
5 Engine Fuel PSI	126 - 140	199 - 219	198 - 218	198 - 218	173 - 191	156 - 172	5
6 Fuel Rate Pound Per Hour	106 - 110	153 - 159	154 - 160	154 - 160	156 - 162	143 - 149	6
7 Intake Manifold Press. In./Hg	35 - 43	48 - 56	49 - 57	49 - 57	41 - 49	38 - 46	7
8 Torque Rise % - Curve	53 -	24 - FR 1637	26 -	26 -	26 -	19 -	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1500	- @ 1500	- @ 1500	- @ 1500	- @ 1400	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	2120 - 2140	1920 - 1940	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2428 @ 15	2194 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2236 @ 15	2302 @ 15	2302 @ 15	2302 @ 15	2277 @ 15	2088 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	40 @ 500	35 @ 700	40 @ 600	40 @ 600	46 @ 600	47 @ 600	22
23 Idle Speed cc @ RPM-Auto.	220 @ 640	210 @ 750	220 @ 700	220 @ 700	220 @ 710	220 @ 710	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	133 @ 2100	215 @ 2100	212 @ 2100	212 @ 2100	182 @ 2100	164 @ 1900	25
26 Calibration Flow	398	647	376	376	344	322	26
27 Check Point (1) PSI @ RPM	106 - 113 @ 1300	172 - 181 @ 1500	162 - 169 @ 1500	162 - 169 @ 1500	148 - 157 @ 1500	132 - 141 @ 1400	27
28 Check Point (1) Flow	357	578	325	325	312	290	28
29 Check Point (2) PSI @ RPM					77 - 90 @ 930	76 - 87 @ 920	29
30 Check Point (2) Flow					218	215	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.790 - 3070197	.790 - 3074242	33
34 Idle Plunger Code - Part No.	15 - 139894	7 - 141624	17 - 140417	17 - 140417	20 - 141629	20 - 141630	34
35 Fuel Pump Housing	3063797	3056629	3056629	3056629	3063797	3063797	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004754 - .000	3004756 - .120	143253 - .125	143253 - .125	3000935 - .105	3004750 - .200	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3002052 - .025 -	3053165 - .085 - .585	3053163 - .065 - .565	3053163 - .065 - .565	3053167 - .080 -	3053162 - .060 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly		3041494	3041494	3041494	3067834	3067834	47
48 AFC In./Hg - PSI		8 - 3.9	8 - 3.9	8 - 3.9	9 - 4.4	9 - 4.4	48
49 AFC RPM - PSI	1600 - 41	1600 - 61	1600 - 36	1600 - 36	1600 - 73	1600 - 73	49
50 AFC Flow - pph	218	317	142	142	207	207	50
51 AFC Spring - Gage Height-In.	179828 -	3007692 -	3007696 -	3007696 -	3007696 -	3007696 -	51
52 AFC Bias Spring	3051071				3068170	3068170	52
53 AFC No Air RPM - PSI	1600 - 48	1600 - 49	1600 - 47	1600 - 47	1600 - 49	1600 - 49	53
54 AFC No Air Flow	234	322	159	159	164	164	54
55 ASA Valve			3061508	3061508			55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1990 CARB	1987 EPA	1989 CARB	1988 CARB	1991 EPA	1991 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-300	NT-444	NTC-450	NTC-450	'89 NTC-444	89-NT-424	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3063797 HOUSING USE A CLASS FIT AFC ASSEMBLY P/N 3058944. USE A 3051071 AFC BIAS SPRING. REF.: USE .140 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2236 RPM @ 15 PSI. PACE CODE.
- (2) USE A 3056629 HOUSING; USE A CLASS FIT AFC ASSY 3041494; TORQUE SPRING GAGE LENGTH .585 REF.: USE .120 SHIMS ON GOVERNOR SPRING; MINIMUM GOVERNOR CHECK OF 2302 RPM @ 15 PSI.
- (3) PRESSURIZED GEAR PUMP; USE A 3056629 HOUSING. AIR SIDE ASA 3061508. REF. USE .125 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI USE A CLASS FIT AFC ASSEMBLY 3041494. THIS CODE TO BE USED WITH TURBO BHT3B. REF. FF 122.
- (4) PRESSURIZED GEAR PUMP; USE A 3056629 HOUSING. AIR SIDE ASA 3061508. REF. USE .125 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI USE A CLASS FIT AFC ASSEMBLY 3041494. THIS CODE TO BE USED WITH TURBO BHT3B. REF. FF122.
- (5) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.
- (6) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6064-A - 6101-B

1 Pump Code	6064-A	6065-A	6066-A	6067-B	6100-A	6101-B	1
2 Date - Control Parts List	JUN91 - 1280	JUN91 - 1256	JUN91 - 0806	SEP92 - 0840	OCT92 - 0838	FEB91 - 0676	2
3 Test HP @ RPM	441 - 459 @ 2100	441 - 459 @ 2100	441 - 459 @ 2100	343 - 357 @ 2100	309 - 321 @ 2100	392 - 408 @ 1900	3
4 Governed Speed-RPM	2100	2100	2100	2100	2100		4
5 Engine Fuel PSI	173 - 191	173 - 191	189 - 209	153 - 169	136 - 150	166 - 184	5
6 Fuel Rate Pound Per Hour	158 - 164	158 - 164	160 - 166	120 - 124	111 - 115	131 - 137	6
7 Intake Manifold Press. In./Hg	41 - 49	41 - 49	54 - 64	37 - 45	36 - 44	43 - 51	7
8 Torque Rise % - Curve	24 -	24 -	29 -	37 -	46 -	13 -	8
9 Torque Peak - PSI @ RPM	- @ 1500	- @ 1500	- @ 1500		- @ 1300		9
10 Cranking Fuel Press. - PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2120 - 2140	2120 - 2140	2130 - 2150	2130 - 2150	2130 - 2150	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise/Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2223 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2292 @ 15	2292 @ 15	2280 @ 15	2259 @ 15	2243 @ 15		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto. - VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	47 @ 600	47 @ 600		33 @ 500	41 @ 500	37 @ 500	22
23 Idle Speed cc @ RPM-Auto.	220 @ 710	220 @ 710	220 @ 800	220 @ 630	220 @ 640	210 @ 630	23
24 VS/Sec. Gov. Idle-PSI @ RPM - cc							24
25 Calibration PSI @ RPM	187 @ 2100	187 @ 2100	202 @ 2100	161 @ 2100	143 @ 2100	175 @ 1900	25
26 Calibration Flow	350	350	766	439	416	493	26
27 Check Point (1) PSI @ RPM	152 - 159 @ 1500	152 - 159 @ 1500	154 - 161 @ 1500	112 - 118 @ 1300	106 - 113 @ 1300	116 - 122 @ 1300	27
28 Check Point (1) Flow	316	316	665	356	357	397	28
29 Check Point (2) PSI @ RPM	78 - 88 @ 920	78 - 88 @ 920					29
30 Check Point (2) Flow	219	219					30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.790 - 3074242	.790 - 3074242	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141629	20 - 141629	10 - 141625	27 - 141632	22 - 141630	17 - 140417	34
35 Fuel Pump Housing	3063935	3063935	3068106	3063797	3068109		35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000935 - .150	3000935 - .150	3001148 - .060	143253 - .075	143254 - .000	3000940 - .000	37
38 Gear Pump Size In.	.750	.750	1.000	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040760	3040750	40
41 Torque Spring - Shims - Gage Height	3053167 - .070 - .570	3053167 - .070 - .570	3053164 - .070 - .570	3002055 - .045 - .645	3002057 - .050 -	138802 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3067834	3067834	3041494	3058944	3058944		47
48 AFC In./Hg - PSI	9 - 4.4	9 - 4.4	8 - 3.9			4 - 1.9	48
49 AFC RPM - PSI	1600 - 73	1600 - 73	1600 - 31	1600 - 50	1600 - 41	1600 - 25	49
50 AFC Flow - pph	207	207	275	234	218	162	50
51 AFC Spring - Gage Height-In.	3007696 - .117	3007696 - .117	3007696 -	179832 -	179828 -	179828 -	51
52 AFC Bias Spring	3068170	3068170		3051071	3051071		52
53 AFC No Air RPM - PSI	1600 - 49	1600 - 49	1600 - 34	1600 - 58	1600 - 48	1600 - 53	53
54 AFC No Air Flow	164	164	267	253	234	249	54
55 ASA Valve			3054993				55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly					3068548		60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1991 EPA	1989 CARB	1987 CARB	1989 CARB	1989 CARB	1987 EPA	62
63 Certified Year/Agency				1991 EPA	1991 EPA		63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NT-450	NT-450	NTC-444	NTC-350	NTC-315	NTC-400	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)			SEE NOTE (5)	SEE NOTE (6)	67

NOTES

(1) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.

(2) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.

(5) PRESSURIZED GEAR PUMP; USE A 3068109 HOUSING; REF. USE .110 SHIMS ON GOV. MINIMUM GOVERNOR CHECK OF 2243 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071.

(6) USE 3068106 FUEL PUMP HOUSING; USE PRESSURIZED GEAR PUMP; MIN. GOV. CHECK OF 2101 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3041494.

1 Pump Code	6102-B	6103-A	6104-B	6105-A	6106-C	6107-B	
2 Date - Control Parts List	JUL90 - 0838	JUL89 - 0827	JUN91 - 1185	JUL89 - 0827	JUN91 - 1211	MAY91 - 1185	1
3 Test HP @ RPM	309 - 321 @ 1800	392 - 408 @ 2100	392 - 408 @ 2100	358 - 372 @ 1800	358 - 372 @ 1800	358 - 372 @ 1800	2
4 Governed Speed-RPM					1800		3
5 Engine Fuel PSI	128 - 142	175 - 193		140 - 154	145 - 159		4
6 Fuel Rate Pound Per Hour	103 - 107	140 - 146		121 - 125	120 - 125		5
7 Intake Manifold Press. In./Hg	33 - 41	42 - 50		35 - 43	33 - 41		6
8 Torque Rise % - Curve	25 -	32 -		24 -	24 -		7
9 Torque Peak - PSI @ RPM					- @ 1300		8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1830 - 1850	2130 - 2150		1830 - 1850	1830 - 1850		10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15		2106 @ 15	2106 @ 15		13
15 Min. Auto. Gov. Check-RPM @ PSI	1967 @ 15				1994 @ 15		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -		110 -	110 -		19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -		28, -	28, -		20
22 Idle Speed PSI @ RPM-Auto.	38 @ 600	34 @ 500		37 @ 500			21
23 Idle Speed cc @ RPM-Auto.	215 @ 710	210 @ 640		210 @ 640	200 @ 700		22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	129 @ 1800	184 @ 2100		142 @ 1800	150 @ 1800		24
26 Calibration Flow	416	326		313	280		25
27 Check Point (1) PSI @ RPM	104 - 110 @ 1300	126 - 133 @ 1300		118 - 125 @ 1300	132 - 139 @ 1300		26
28 Check Point (1) Flow	370	267		285	265		27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854		.800 - 143854	.800 - 143854		32
34 Idle Plunger Code - Part No.	27 - 141632	17 - 140417	17 - 140417	17 - 140417	12 - 141626	17 - 140417	33
35 Fuel Pump Housing	3068106				3068106		34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3001146 - .000	153238 - .000	153238 - .000	143255 - .000	3052122 - .000	143255 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040760	3040760	3040760	39
41 Torque Spring - Shims - Gage Height	3053157 - .075 -	3002056 - .025 -	3002056 - .025 -	3053159 - .085 -	3053163 - .085 -	3053159 - .085 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9		8 - 3.9	8 - 3.9		47
49 AFC RPM - PSI	1600 - 45	1600 - 42		1600 - 42	1300 - 30		48
50 AFC Flow - pph	230	157		157	108		49
51 AFC Spring - Gage Height-In.	179830 -	3000592 -		3000592 -	3007694 -		50
52 AFC Bias Spring	3041494						51
53 AFC No Air RPM - PSI	1600 - 48	1600 - 52		1600 - 52	1300 - 51		52
54 AFC No Air Flow	234	164		164	148		53
55 ASA Valve					3061508		54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 FT Pacer Assembly					3068548		59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1989 CARB	1988 CARB	1988 CARB	1988 CARB	1989 CARB	1988 CARB	61
63 Certified Year/Agency					1991 EPA		62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-315	NTC-400	NTC-400	NTC-365	NTC-365	NTC-365	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP. USE 3068106 HOUSING. MINIMUM GOVERNOR CHECK OF 1967 RPM AT 15 PSI USE CLASS-FIT AFC ASSY 3041494.
- (2) USE A 3068106 HOUSING. MINIMUM GOVERNOR CHECK OF 2282 @ 15 PSI. REF: 0.100 SHIM ON GOVERNOR. PRESSURIZED GEAR PUMP. USE AIR SIDE ASA P/N 3061508.
- (3) USE A 3068106 HOUSING. MINIMUM GOVERNOR CHECK OF 2282 @ 15 PSI. REF: 0.100 SHIM ON GOVERNOR. PRESSURIZED GEAR PUMP. USE AIR SIDE ASA P/N 3061508. THIS CODE IS REPLACED BY 6140.
- (4) PRESSURIZED GEAR PUMP; USE A 3068106 HSG. REF: USE 0.175 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1994 RPM AT 15 PSI USE AIR SIDE ASA P/N 3061508.
- (5) PRESSURIZED GEAR PUMP; USE A 3068106 HSG. REF: USE 0.205 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1994 RPM AT 15 PSI USE AIR SIDE ASA P/N 3061508.
- (6) PRESSURIZED GEAR PUMP; USE A 3068106 HSG. REF: USE 0.175 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1994 RPM AT 15 PSI USE AIR SIDE ASA P/N 3061508. THIS CODE IS REPLACED BY 6137.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6108-B - 6113-B

1 Pump Code	6108-B	6109-B	6110-C	6111-A	6112-B	6113-B	
2 Date - Control Parts List	MAY91 - 1185	JAN90 - 1187	AUG91 - 0838	JUL89 - 0827	AUG91 - 0840	MAY91 - 1188	1
3 Test HP @ RPM	392 - 408 @ 1800	270 - 281 @ 1750	308 - 321 @ 1800	392 - 408 @ 1800	343 - 357 @ 1800	343 - 357 @ 1700	2
4 Governed Speed-RPM			1800		1800		3
5 Engine Fuel PSI		98 - 108	124 - 138	163 - 181	140 - 155	137 - 151	4
6 Fuel Rate Pound Per Hour		88 - 92	104 - 108	131 - 137	114 - 118	112 - 116	5
7 Intake Manifold Press. In./Hg		27 - 35	33 - 41	39 - 47	33 - 41	36 - 44	6
8 Torque Rise % - Curve		39 -	25 -	14 -	18 -	23 -	7
9 Torque Peak - PSI @ RPM			- @ 1300		- @ 1300		8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM		1770 - 1790	1830 - 1850	1830 - 1850	1830 - 1850	1720 - 1740	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2048 @ 15	2106 @ 15	2106 @ 15	2106 @ 15	1966 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI		1900 @ 15	1967 @ 15	2012 @ 15	1986 @ 15	1881 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph		110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr		28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.		45 @ 500	38 @ 500	40 @ 500	38 @ 500		21
23 Idle Speed cc @ RPM-Auto.		230 @ 640	220 @ 640	210 @ 640	220 @ 630	220 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM		103 @ 1750	131 @ 1800	163 @ 1800	148 @ 1800	144 @ 1700	24
26 Calibration Flow		340	396	337	422	270	25
27 Check Point (1) PSI @ RPM		84 - 90 @ 1100	105 - 112 @ 1300	118 - 124 @ 1300	112 - 118 @ 1300	104 - 111 @ 1100	26
28 Check Point (1) Flow		309	357	286	366	228	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring		.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	17 - 140417	22 - 141630	17 - 140417	22 - 141630	10 - 141625	33
35 Fuel Pump Housing		3070234	3068109	3068106	3068106	3069329	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	144490 - .000	143256 - .000	3004752 - .000	144490 - .000	143254 - .000	3036894 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040760	3040750	39
41 Torque Spring - Shims - Gage Height	3053157 - .055 -	3002056 - .020 -	3053157 - .085 -	3053157 - .055 -	3053158 - .060 -	3053158 - .070 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly		3058944					46
48 AFC In./Hg - PSI				8 - 3.9	8 - 3.9	8 - 3.9	47
49 AFC RPM - PSI		1100 - 50	1300 - 39	1600 - 42	1600 - 57	1100 - 37	48
50 AFC Flow - pph		227	190	157	262	120	49
51 AFC Spring - Gage Height-In.		179824 -	179828 -	3000592 -	179830 -	179834 -	50
52 AFC Bias Spring		3051071	3051071				51
53 AFC No Air RPM - PSI		1100 - 53	1300 - 43	1600 - 52	1600 - 58	1100 - 51	52
54 AFC No Air Flow		235	205	164	264	148	53
55 ASA Valve				3061508	3061508		54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly					3068548	3068548	59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1988 CARB	1989 EPA	1989 CARB	1988 CARB	1989 CARB	1989 EPA	61
63 Certified Year/Agency			1991 EPA		1991 EPA		62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-400	NT-FF-285	NTC-315	NTC-400	NTC-350	MOD NTC FLEET 350	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE A PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING. REF: USE .165 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2012 RPM AT 15 PSI USE AIR SIDE ASA P/N 3061508. THIS CODE IS REPLACED BY 6139.
- (2) PRESSURIZED GEAR PUMP; USE A 3070234 HOUSING USE A CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071. REF: USE .160 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1900 RPM AT 15 PSI
- (3) PRESSURIZED GEAR PUMP. REF: USE .170 SHIMS ON GOVERNOR SPRING. USE 3068109 HSG. MINIMUM GOVERNOR CHECK OF 1967 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071. PT PACER CODE.
- (4) USE A PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING; REF: USE .165 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2012 RPM @ 15 PSI. USE AIR SIDE ASA P/N 3061508. USE OF AFC ASSY 3041494.
- (5) PRESSURIZED GEAR PUMP USE A 3068106 HOUSING MINIMUM GOVERNOR CHECK OF 1986 RPM @ 15 PSI REF: USE .120 SHIMS ON GOVERNOR SPRING USE AIR-SIDE ASA 3061508 (.035) USE CLASS-FIT AFC ASSEMBLY 3041494
- (6) PRESSURIZED GEAR PUMP; USE A 3069329 HOUSING REF: USE .200 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1881 RPM @ 15 PSI. USE CLASS FIT AFC ASSY. P/N 3041494. PT-PACER CODE.

1 Pump Code	6114-A	6115-B	6116-A	6117-A	6118-A	6119-A	1
2 Date - Control Parts List	AUG91 - 0840	AUG91 - 0838	AUG91 - 0840	JUL89 - 0827	JUL89 - 0749	JUL89 - 0812	2
3 Test HP @ RPM	343 - 357 @ 1700	294 - 306 @ 1800	319 - 332 @ 1800	358 - 372 @ 2100	308 - 321 @ 1800	308 - 321 @ 1800	3
4 Governed Speed-RPM	1700	1800	1800				4
5 Engine Fuel PSI	140 - 154	119 - 131	126 - 140	146 - 162	120 - 133	120 - 133	5
6 Fuel Rate Pound Per Hour	113 - 117	99 - 103	107 - 111	129 - 135	103 - 107	103 - 107	6
7 Intake Manifold Press. In./Hg	32 - 40	32 - 40	32 - 40	39 - 47	26 - 32	26 - 32	7
8 Torque Rise % - Curve	11 -	14 -	27 -	45 -	25 -	25 -	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300				9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1730 - 1750	1830 - 1850	1830 - 1850	2130 - 2150	1830 - 1850	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	1989 @ 15	2106 @ 15	2106 @ 15	2457 @ 15	2106 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1897 @ 15	1959 @ 15	1972 @ 15	2266 @ 15	1967 @ 15	1967 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	33 @ 500	32 @ 500	38 @ 500	37 @ 500	30 @ 500	30 @ 500	22
23 Idle Speed cc @ RPM-Auto.	210 @ 620	220 @ 640	220 @ 630	210 @ 640	210 @ 600	210 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	147 @ 1700	124 @ 1800	133 @ 1800	153 @ 2100	126 @ 1800	126 @ 1800	25
26 Calibration Flow	430	373	400	330	337	337	26
27 Check Point (1) PSI @ RPM	111 - 117 @ 1300	88 - 95 @ 1300	112 - 119 @ 1300	119 - 126 @ 1300	109 - 115 @ 1300	109 - 115 @ 1300	27
28 Check Point (1) Flow	374	314	370	290	315	315	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	22 - 141630	37 - 140418	17 - 140417	17 - 140417	22 - 141630	22 - 141630	34
35 Fuel Pump Housing	3068106	3068109	3068106	3068106	3068106	3068106	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153235 - .000	153235 - .000	3004750 - .000	3004750 - .000	3053101 - .000	3053101 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040760	3040760	3040760	3040760	40
41 Torque Spring - Shims - Gage Height	138999 - .030 -	138999 - .050 -	3053159 - .090 -	3821487 - .040 -	3002056 - .010 -	3002056 - .010 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger			3040760				45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	8 - 3.9		8 - 3.9	8 - 3.9	4 - 1.9	4 - 1.9	48
49 AFC RPM - PSI	1600 - 57	1300 - 39	1300 - 52	1600 - 42	1600 - 17	1600 - 17	49
50 AFC Flow - pph	262	190	234	157	104	104	50
51 AFC Spring - Gage Height-In.	179830 -	179828 -	179830 -	3000592 -	179822 -	179822 -	51
52 AFC Bias Spring		3051071					52
53 AFC No Air RPM - PSI	1600 - 58	1300 - 43	1300 - 54	1600 - 52	1600 - 65	1600 - 65	53
54 AFC No Air Flow	264	205	238	164	232	232	54
55 ASA Valve			3061508	3061508			55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly	3068548	3068548	3068548				60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1989 CARB	1989 CARB	1989 CARB	1988 CARB	1987 EPA	1987 EPA	62
63 Certified Year/Agency	1991 EPA	1991 EPA	1991 EPA				63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-350	NTC-300	NTC-350	NTC-365	FORMULA 315	FORMULA 315	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING REF: USE .125 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1897 RPM @ 15 PSI. USE AIR-SIDE ASA 3061508 (.035) USE CLASS-FIT AFC ASSY 3041494.
- (2) PRESSURIZED GEAR PUMP; USE A 3068109 HOUSING. REF: USE .155 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1959 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071. PT-PACER CODE.
- (3) PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING USE AIR SIDE ASA 3061508 (.035). REF: USE .170 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1972 RPM @ 15 PSI. USE CLASS-FIT AFC ASSEMBLY 3041494. PT-PACER CODE
- (4) PRSSURIZED GEAR PUMP; USE A 3068106 HSG. USE AIR SIDE ASA 3061508. REF.: USE .110 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2266 RPM @ 15 PSI. PT-PACER CODE. USE CLASS FIT AFC ASSY 3041494
- (5) USE 3068106 HSG., PRESSURIZED GEAR PUMP. MINIMUM GOVERNOR CHECK OF 1967 RPM @ 15 PSI. USE CLASS FIT AFC ASSY 3041494. PT-PACER CODE.
- (6) USE 3068106 HSG.; PRESSURIZED GEAR PUMP. REF. USE .180 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1967 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3041494. PT-PACER CODE.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6120-A - 6125-C

1 Pump Code	6120-A	6121-E	6122-D	6123-C	6124-A	6125-C	
2 Date - Control Parts List	JUL89 - 0796	APR91 - 1280	APR91 - 1280	MAY91 - 1211	AUG91 - 0840	MAY91 - 1211	1
3 Test HP @ RPM	308 - 321 @ 1800	435 - 453 @ 2100	416 - 432 @ 1900	392 - 408 @ 1800	343 - 357 @ 2100	358 - 372 @ 2100	2
4 Governed Speed-RPM		2100	1900	1800	2100	2100	3
5 Engine Fuel PSI	122 - 135	173 - 191	156 - 172	164 - 182	153 - 169	152 - 168	4
6 Fuel Rate Pound Per Hour	102 - 106	156 - 162	143 - 149	131 - 137	121 - 125	127 - 133	5
7 Intake Manifold Press. in./Hg	26 - 32	41 - 49	38 - 46	37 - 45	36 - 44	36 - 44	6
8 Torque Rise % - Curve	25 -	26 -	19 -	14 -	37 -	45 -	7
9 Torque Peak - PSI @ RPM		- @ 1500	- @ 1400	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1830 - 1850	2120 - 2140		1830 - 1850	2130 - 2150	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM			- @ 2025				12
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2447 @ 15	2194 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	1967 @ 15	2292 @ 15	2088 @ 15	2012 @ 15	2259 @ 15	2266 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto. - VS, Lever	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	30 @ 500	46 @ 600	47 @ 600		33 @ 500		21
23 Idle Speed cc @ RPM-Auto.	210 @ 600	220 @ 710	220 @ 710	200 @ 700	220 @ 630	200 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	128 @ 1800	182 @ 2100	164 @ 1900	173 @ 1800	161 @ 2100	159 @ 2100	24
26 Calibration Flow	337	344	322	300	439	310	25
27 Check Point (1) PSI @ RPM	112 - 118 @ 1300	151 - 157 @ 1500	132 - 141 @ 1400	132 - 138 @ 1300	112 - 118 @ 1300	132 - 139 @ 1300	26
28 Check Point (1) Flow	315	312	290	259	356	282	27
29 Check Point (2) PSI @ RPM		77 - 90 @ 930	76 - 87 @ 920				28
30 Check Point (2) Flow		218	215				29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.790 - 3074242	.790 - 3074242	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	22 - 141630	22 - 141630	15 - 139894	27 - 141632	12 - 141626	33
35 Fuel Pump Housing	3068109	3068109	3068109	3068106	3068106	3068106	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3053101 - .000	3000935 - .000	3004750 - .000	153235 - .000	143253 - .000	3004754 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040760	3040750	3040750	3040750	3040750	3040760	39
41 Torque Spring - Shims - Gage Height	3002056 - .010 -	3053167 - .080 -	3053162 - .060 -	3053158 - .060 -	3002055 - .045 -	3821489 - .045 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly		3067834	3067834				46
48 AFC In./Hg - PSI		9 - 4.4	9 - 4.4	8 - 3.9	8 - 3.9	8 - 3.9	47
49 AFC RPM - PSI	1600 - 65	1600 - 73	1600 - 73	1300 - 30	1600 - 57	1300 - 30	48
50 AFC Flow - pph	232	207	207	108	262	108	49
51 AFC Spring - Gage Height-In.	179822 -	3007696 -	3007696 -	3007694 -	179830 -	3007694 -	50
52 AFC Bias Spring	3051071	3068170	3068170				51
53 AFC No Air RPM - PSI	1600 - 56	1600 - 49	1600 - 49	1300 - 51	1600 - 58	1300 - 51	52
54 AFC No Air Flow		164	164	148	264	148	53
55 ASA Valve				3061508	3061508	3061508	54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly		3068548	3068548	3068548	3068548	3068548	59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1987 EPA	1989 CARB	1989 CARB	1989 CARB	1989 CARB	1989 CARB	61
63 Certified Year/Agency		1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA	62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	FORMULA 315	'89 NTC-444	89-NT424	NTC-400	NTC-350	NTC-365	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE 3068109 HSG.; PRESSURIZED GEAR PUMP. MINIMUM GOVERNOR CHECK OF 1967 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3058944. REF: USE .180 ON GOVERNOR SPRING. AFC BIAS SPRING 3051071. PT-PACER CODE.
- (2) PRESSURIZED GEAR PUMP; USE A 3068109 HOUSING USE A CLASS FIT AFC ASSY P/N 3067834. USE A 3068170 BIAS SPRING. MIN. GOV. CHECK OF 2292 RPM @ 15 PSI. REF: USE .105 SHIMS ON GOVERNOR SPRING. CK.PT. 77-90 PSI @ 218 LB./HR. @ 930 RPM. CONTAINS STEEL PRELOADED WT. ASST.
- (3) PRESSURIZED GEAR PUMP; USE A 3068109 HOUSING USE A CLASS FIT AFC ASSY. P/N 3067834. USE A 3068170 BIAS SPRING. SHIM CRUISE SPEED (2025 RPM). RAIL PRESSURE TO 102-112 PSI. MIN. GOV. CK. OF 2088 RPM @ 15 PSI. REF: USE .200 SHIMS ON GOVERNOR SPRING. CK.PT. TWO 76-87 PSI @ 215 PPH @ 920 RPM. CONTAINS STEEL PRELOADED WT. ASST.
- (4) USE A PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING; USE AN AIRSIDE ASA P/N 3061508. REF: USE .095 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2012 RPM AT 15 PSI USE OF AFC ASSY 3041494. PT-PACER CODE.
- (5) PRESSURIZED GEAR PUMP, USE A 3068106 HSG. MINIMUM NO-LOAD OF 2259 RPM @ 15 PSI. USE AN AIR SIDE ASA 3061508 (.035). USE CLASS FIT AFC ASSY 3041494. PT-PACER CODE.
- (6) PRESSURIZED GEAR PUMP; USE A 3068106 HSG. USE AN AIR SIDE ASA P/N 3061508. REF: USE .125 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2266 RPM @ 15 PSI. USE CLASS FIT AFC ASSY 3041494. PT-PACER CODE

1 Pump Code	6126-C	6127-A	6128-A	6129-B	6130-A	6131-A	1
2 Date - Control Parts List	MAY91 - 1211	AUG91 - 0840	JAN90 - 1187	MAY91 - 1211	JAN90 - 0910	AUG91 - 0838	2
3 Test HP @ RPM	358 - 372 @ 1900	343 - 357 @ 1900	294 - 306 @ 1700	392 - 408 @ 2100	435 - 453 @ 2100	309 - 321 @ 1900	3
4 Governed Speed-RPM	1900	1900		2100		1900	4
5 Engine Fuel PSI	147 - 163	142 - 156	109 - 121	175 - 193		127 - 141	5
6 Fuel Rate Pound Per Hour	123 - 129	117 - 121	93 - 97	139 - 145		107 - 111	6
7 Intake Manifold Press. In./Hg	34 - 42	34 - 42	28 - 36	39 - 47		35 - 43	7
8 Torque Rise % - Curve	31 -	24 -	24 -	32 -		32 -	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300		- @ 1300		- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	1930 - 1950	1720 - 1740	2130 - 2150		1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2223 @ 15	1971 @ 15	2457 @ 15		2223 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2083 @ 15	2076 @ 15	1855 @ 15	2282 @ 15		2058 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -		110 -	20
21 Throttle Travel-Auto. VS, Lev	28, -	28, -	28, -	28, -		28, -	21
22 Idle Speed PSI @ RPM-Auto.		33 @ 500	40 @ 500			32 @ 500	22
23 Idle Speed cc @ RPM-Auto.	200 @ 700	210 @ 620	230 @ 620	200 @ 700		210 @ 620	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	155 @ 1900	149 @ 1900	115 @ 1700	184 @ 2100		134 @ 1900	25
26 Calibration Flow	304	452	364	317		408	26
27 Check Point (1) PSI @ RPM	133 - 139 @ 1300	107 - 114 @ 1300	82 - 88 @ 1100	133 - 140 @ 1300		102 - 109 @ 1300	27
28 Check Point (1) Flow	281	381	311	268		364	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854		.800 - 143854	33
34 Idle Plunger Code - Part No.	12 - 141628	22 - 141630	22 - 141630	15 - 139894	17 - 140417	22 - 141630	34
35 Fuel Pump Housing	3068106	3068106	3070234	3068106	3068106	3068109	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004754 - .000	153235 - .000	3036897 - .000	153235 - .000	143253 - .000	3036899 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040850	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053163 - .100 -	3053157 - .085 -	138802 - .050 -	3002058 - .030 -	3053163 - .075 -	3002056 - .005 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3041494	3041494	3058944	3041494	3041494	3058944	47
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9		8 - 3.9			48
49 AFC RPM - PSI	1300 - 30	1600 - 57	1100 - 50	1300 - 30		1300 - 39	49
50 AFC Flow - pph	108	262	227	108		190	50
51 AFC Spring - Gage Height-In.	3007694 -	179830 -	179824 -	3007694 -		179828 -	51
52 AFC Bias Spring			3051071			3051071	52
53 AFC No Air RPM - PSI	1300 - 51	1600 - 58	1100 - 53	1300 - 51		1300 - 43	53
54 AFC No Air Flow	148	264	235	148		205	54
55 ASA Valve	3061508	3061508		3061508			55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly	3068548	3068548		3068548		3068548	60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1989 CARB	1989 CARB	1989 EPA	1989 CARB	1988 CARB	1989 CARB	62
63 Certified Year/Agency	1991 EPA	1991 EPA		1991 EPA		1991 EPA	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	88NT-365	NTC-350	NT-FT-300	NTC-400	NTC-444	NTC-315	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING USE AN AIR SIDE ASA P/N 3061508. REF: USE .115 SHIMS ON GOVERNOR. MINIMUM GOVERNOR CHECK OF 2083 RPM @ 15 PSI. USE CLASS FIT AFC ASSY 3041494. PT-PACER COD
- (2) PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING USE AN AIR SIDE ASA P/N 3061508. REF: USE .150 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2076 RPM @ 15 PSI. USE CLASS FIT AFC ASSY 3041494. PT-PACER COD
- (3) PRESSURIZED GEAR PUMP; USE A 3058944 CLASS FIT AFC ASSEMBLY; AFC BIAS SPRING 3051071. REF: USE .180 SHIMS ON GOVERNOR SPRING MINIMUM GOVERNOR CHECK OF 1855 RPM @ 15 PSI. PT-PACER CODE
- (4) USE A 3068106 HOUSING. MINIMUM GOVERNOR CHECK OF 2282 @ 15 PSI. USE AN AIR SIDE ASA 3061508. REF: .115 SHIM ON GOVERNOR. USE CLASS FIT AFC ASSY 3041494. PT-PACER CODE.
- (5) PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING AIR SIDE ASA 3062159. REF: USE .115 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI USE A CLASS FIT AFC ASSEMBLY 3041494. PT-PACER CODE THIS CODE IS REPLACED BY 6135.
- (6) PRESSURIZED GEAR PUMP; USE A 3068109 HOUSING; REF: USE .215 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2058 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071. PT-PACER CODE.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6132-A - 6137-B

1 Pump Code	6132-A	6133-A	6134-B	6135-A	6136-A	6137-B	
2 Date - Control Parts List	AUG91 - 0838	AUG91 - 0840	MAY91 - 1211	JAN90 - 0910	JAN90 - 1210	MAY91 - 1185	2
3 Test HP @ RPM	294 - 306 @ 1900	314 - 326 @ 1800	392 - 408 @ 1900	435 - 453 @ 2100	435 - 453 @ 2100	358 - 372 @ 1800	3
4 Governed Speed-RPM	1900	1800	1900				4
5 Engine Fuel PSI	121 - 133	124 - 137	169 - 187	198 - 218	198 - 218	140 - 154	5
6 Fuel Rate Pound Per Hour	103 - 107	106 - 110	132 - 138	154 - 160	154 - 160	120 - 125	6
7 Intake Manifold Press. In./Hg	33 - 41	30 - 38	38 - 46	49 - 57	49 - 57	33 - 41	7
8 Torque Rise % - Curve	21 -	29 -	20 -	26 -	26 -	24 -	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1500	- @ 1500	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	1830 - 1850	1930 - 1950	2130 - 2150	2130 - 2150	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2106 @ 15	2223 @ 15	2457 @ 15	2457 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2051 @ 15	1970 @ 15	2101 @ 15	2302 @ 15	2302 @ 15	1994 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	32 @ 500	38 @ 500	37 @ 500	37 @ 500	37 @ 500	37 @ 500	22
23 Idle Speed cc @ RPM-Auto.	210 @ 620	220 @ 630	200 @ 700	220 @ 630	220 @ 630	200 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	127 @ 1900	130 @ 1800	178 @ 1900	208 @ 2100	208 @ 2100	149 @ 1800	25
26 Calibration Flow	397	398	324	372	370	289	26
27 Check Point (1) PSI @ RPM	87 - 94 @ 1300	112 - 119 @ 1300	132 - 139 @ 1300	161 - 168 @ 1500	161 - 168 @ 1500	126 - 132 @ 1300	27
28 Check Point (1) Flow	328	374	276	327	327	266	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	32 - 141634	17 - 140417	15 - 139894	17 - 140417	17 - 140417	17 - 140417	34
35 Fuel Pump Housing	3068109	3068106	3068106	3068106	3068106	3068106	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	3053101 - .000	144490 - .000	143253 - .000	143253 - .000	143255 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040760	40
41 Torque Spring - Shims - Gage Height	138802 - .035 -	3053160 - .095 -	3053158 - .090 -	3053163 - .075 -	3053163 - .075 -	3053159 - .085 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3058944	3041494	3041494	3041494	3041494	3041494	47
48 AFC In./Hg - PSI		8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1300 - 39	1300 - 52	1300 - 30	1600 - 36	1600 - 36	1600 - 34	49
50 AFC Flow - pph	190	234	108	142	142	123	50
51 AFC Spring - Gage Height-In.	179828 -	179830 -	3007694 -	3007696 -	3007696 -	3007694 -	51
52 AFC Bias Spring	3051071						52
53 AFC No Air RPM - PSI	1300 - 43	1300 - 54	1300 - 51	1600 - 47	1600 - 47	1600 - 52	53
54 AFC No Air Flow	205	238	148	159	159	164	54
55 ASA Valve		3061508	3061508	3062159	3062159	3061508	55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly	3068548	3068548	3068548				60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1989 CARB	1989 CARB	1990 CARB	1988 CARB	1989 CARB	1988 CARB	62
63 Certified Year/Agency	1991 EPA	1991 EPA	1991 EPA				63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-300	NTC-350	NTC-400	NTC-444	NTC-444	NTC-365	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3068109 HOUSING, REF: USE .090 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2051 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071. PT-PACER CODE.
- (2) PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING USE AN AIR SIDE ASA 3061508 (.035). REF: USE .150 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1970 RPM @ 15 PSI. USE CLASS FIT AFC ASSY 3041494. PT-PACER CODE
- (3) PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING USE AN AIR SIDE ASA 3061508. REF: USE .155 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2101 RPM AT 15 PSI USE CLASS FIT AFC ASSY 3041494. PT-PACER CODE
- (4) PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING AIR SIDE ASA 3062159. REF: USE .115 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI USE A CLASS FIT AFC ASSEMBLY 3041494. PT-PACER CODE
- (5) PRESSURIZED GEAR PUMP; USE A 3068106 HSG; AIR SIDE ASA 3062159; REF: USE .115 SHIMS ON GOV. SPRING. MIN. GOV. CK. OF 2302 RPM @ 15 PSI. USE A CLASS FIT AFC ASSEMBLY 3041494. PT-PACER CODE.
- (6) PRESSURIZED GEAR PUMP; USE A 3068106 HSG. REF: USE 0.175 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1994 RPM AT 15 PSI USE AIR SIDE ASA P/N 3061508. PT-PACER CODE USE CLASS FIT AFC ASSY 3041494.

1 Pump Code	6138-B	6139-B	6140-B	6141-A	6142-A	6143-A	
2 Date - Control Parts List	MAY91 - 1185	MAY91 - 1185	MAY91 - 1185	AUG91 - 0838	JAN90 - 1187	JAN90 - 1187	1
3 Test HP @ RPM	358 - 372 @ 2100	392 - 408 @ 1800	392 - 408 @ 2100	294 - 306 @ 2100	280 - 291 @ 1600	279 - 291 @ 1700	2
4 Governed Speed-RPM			2100	2100			3
5 Engine Fuel PSI	147 - 163	163 - 181	175 - 193	126 - 140	101 - 111	102 - 112	4
6 Fuel Rate Pound Per Hour	127 - 133	131 - 137	139 - 145	106 - 110	88 - 92	89 - 93	5
7 Intake Manifold Press. In./Hg	36 - 44	37 - 45	39 - 47	35 - 43	27 - 33	27 - 35	6
8 Torque Rise % - Curve	45 -	14 -	32 -	53 -	23 -	31 -	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1100	- @ 1100	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	1830 - 1850	2130 - 2150	2130 - 2150	1620 - 1640	1720 - 1740	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	1854 @ 15	1989 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2266 @ 15	2012 @ 15	2282 @ 15	2236 @ 15	1755 @ 15	1860 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.				40 @ 500	43 @ 500	43 @ 500	21
23 Idle Speed cc @ RPM-Auto.	200 @ 700	200 @ 700	200 @ 700	220 @ 640	230 @ 640	230 @ 640	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	155 @ 2100	169 @ 1800	184 @ 2100	133 @ 2100	106 @ 1800	107 @ 1700	24
26 Calibration Flow	306	312	326	398	337	340	25
27 Check Point (1) PSI @ RPM	127 - 134 @ 1300	124 - 130 @ 1300	126 - 133 @ 1300	106 - 113 @ 1300	85 - 92 @ 1100	83 - 90 @ 1100	26
28 Check Point (1) Flow	276	261	267	357	303	300	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - .143854	.800 - .143854	.800 - .143854	.800 - .143854	.800 - .143854	.800 - .143854	32
34 Idle Plunger Code - Part No.	15 - 139894	17 - 140417	17 - 140417	17 - 140417	17 - 140417	17 - 140417	33
35 Fuel Pump Housing	3068106	3068106	3068106	3068109	3070234	3070234	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3004754 - .000	144490 - .000	153238 - .000	3004754 - .140	143256 - .195	143256 - .210	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040760	3040750	3040750	3040750	3040850	3040850	39
41 Torque Spring - Shims - Gage Height	3821489 - .045 -	3053157 - .055 -	3002056 - .025 -	3002052 - .025 -	3053156 - .080 -	3002054 - .015 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly		3041494	3041494	3058944	3058944	3058944	46
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9				47
49 AFC RPM - PSI	1600 - 34	1600 - 34	1600 - 34	1600 - 41	1100 - 50	1100 - 50	48
50 AFC Flow - pph	123	123	123	218	227	227	49
51 AFC Spring - Gage Height-In.	3007694 -	3007694 -	3007694 -	179828 -	179824 -	179824 -	50
52 AFC Bias Spring				3051071	3051071	3051071	51
53 AFC No Air RPM - PSI	1600 - 52	1600 - 52	1600 - 52	1600 - 48	1100 - 53	1100 - 53	52
54 AFC No Air Flow	164	164	164	234	235	235	53
55 ASA Valve	3061508	3061508	3061508				54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly				3068548			58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1990 CARB	1989 EPA	1989 EPA	61
63 Certified Year/Agency				1991 EPA			62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-365	NTC-400	NTC-400	NTC-300	NT-FT-285	NT-FT-285	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3068106 HSG. USE AN AIR SIDE ASA P/N 3061508. REF.: USE .140 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2266 RPM @ 15 PSI. PT-PACER CODE. USE A CLASS FIT AFC ASSY 3041494.
- (2) USE A PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING. REF.: USE .165 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2012 RPM AT 15 PSI USE AIR SIDE ASA P/N 3061508. PT-PACER CODE USE CLASS FIT AFC ASSY 3041494.
- (3) USE A 3068106 HOUSING. MINIMUM GOVERNOR CHECK OF 2282 @ 15 PSI. REF.: 0.100 SHIM ON GOVERNOR. PRESSURIZED GEAR PUMP. USE AIR SIDE ASA P/N 3061508. PT-PACER CODE USE CLASS FIT AFC ASSY 3041494.
- (4) PRESSURIZED GEAR PUMP; USE A 3068109 HOUSING USE A CLASS FIT AFC ASSEMBLY P/N 3058944. USE A 3051071 AFC BIAS SPRING. REF.: USE .140 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2236 RPM @ 15 PSI. PT-PACER CODE.
- (5) PRESSURIZED GEAR PUMP; USE A 3070234 HOUSING USE A 3058944 CLASS FIT AFC ASSEMBLY; AFC BIAS SPRING 3051071. REF.: USE .195 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1755 RPM AT 15 PSI PT-PACER CODE.
- (6) PRESSURIZED GEAR PUMP; USE A 3070234 HOUSING USE A CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071. REF.: USE .210 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1860 RPM AT 15 PSI PT-PACER CODE.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6144-B - 6149-A

1 Pump Code	6144-B	6145-B	6146-B	6147-A	6148-C	6149-A	1
2 Date - Control Parts List	MAY91 - 1185	MAY91 - 1185	APR91 - 1256	OCT91 - 1352	OCT91 - 1352	JAN91 - 1352	2
3 Test HP @ RPM	358 - 372 @ 1900	392 - 408 @ 1900	435 - 453 @ 2100	270 - 281 @ 1750	294 - 306 @ 1700	279 - 291 @ 1700	3
4 Governed Speed-RPM				1750	1700		4
5 Engine Fuel PSI	143 - 159	159 - 175	173 - 191	95 - 105	108 - 120	100 - 110	5
6 Fuel Rate Pound Per Hour	123 - 129	132 - 138	158 - 164	88 - 94	96 - 100	92 - 96	6
7 Intake Manifold Press. In./Hg	34 - 42	38 - 46	41 - 49	29 - 37	32 - 40	30 - 38	7
8 Torque Rise % - Curve	31 -	20 -	26 -	39 -	24 -	31 -	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1500	- @ 1100	- @ 1100	- @ 1100	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	1930 - 1950	2120 - 2140	1770 - 1790	1720 - 1740		11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM						67 - 77 @ 1815	13
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2223 @ 15	2428 @ 15	2048 @ 15	1990 @ 15	1989 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2083 @ 15	2101 @ 15	2277 @ 15	1900 @ 15	1870 @ 15	1860 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.			50 @ 500	53 @ 500	47 @ 500	46 @ 500	22
23 Idle Speed cc @ RPM-Auto.	200 @ 700	200 @ 700	220 @ 630	240 @ 650	240 @ 650	240 @ 650	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	151 @ 1900	173 @ 1900	182 @ 2100	100 @ 1750	116 @ 1700	105 @ 1700	25
26 Calibration Flow	300	319	342	358	377	365	26
27 Check Point (1) PSI @ RPM	128 - 135 @ 1300	126 - 132 @ 1300	148 - 157 @ 1500	80 - 86 @ 1100	82 - 88 @ 1100	79 - 86 @ 1100	27
28 Check Point (1) Flow	276	266	307	321	312	314	28
29 Check Point (2) PSI @ RPM			77 - 89 @ 910				29
30 Check Point (2) Flow			222				30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.790 - 3074242	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	15 - 139894	22 - 141630	22 - 141630	15 - 139894	17 - 140417	17 - 140417	34
35 Fuel Pump Housing	3068106	3068106	3068109	3070234	3070234	3070234	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004754 - .115	153235 - .155	3001147 - .095	143256 - .120	3036894 - .220	3036896 - .220	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040850	3040850	3040850	40
41 Torque Spring - Shims - Gage Height	3053163 - .100 -	3053158 - .080 -	3053164 - .075 -	3053163 - .100 -	3053157 - .080 -	3053160 - .080 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly			3067834	3058944	3058944	3058944	47
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9				48
49 AFC RPM - PSI	1600 - 34	1600 - 34	1600 - 73	1100 - 33	1100 - 33	1100 - 33	49
50 AFC Flow - pph	123	123	207	185	185	185	50
51 AFC Spring - Gage Height-In.	3007694 -	3007694 -	3007696 -	179822 -	179822 -	179822 -	51
52 AFC Bias Spring			3067831	3051069	3051069	3051069	52
53 AFC No Air RPM - PSI	1600 - 52	1600 - 52	1600 - 49	1100 - 38	1100 - 38	1100 - 38	53
54 AFC No Air Flow	164	164	164	202	202	202	54
55 ASA Valve	3061508	3061508		3062158	3062158	3062158	55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly				3068548	3068548		60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1988 CARB	1988 CARB	1989 CARB	1990 CARB	1990 CARB	1991 EPA	62
63 Certified Year/Agency				1991 EPA	1991 EPA		63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	88NT-365	NTC-400	'89 NTC-444	90-NT-FT-285	'90' FLEET 300	90NT-FT-285	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING; USE AN AIR SIDE ASA P/N 3061508. REF: USE .115 SHIMS ON GOVERNOR. MINIMUM GOVERNOR CHECK OF 2083 RPM @ 15 PSI. PT-PACER CODE. USE A CLASS FIT AFC ASSY 3041494.
- (2) PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING USE AN AIR SIDE ASA P/N 3061508. REF: USE .155 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2101 RPM AT 15 PSI. PT-PACER CODE. USE A CLASS FIT AFC ASSY 3041494.
- (3) PRESSURIZED GEAR PUMP; USE A 3068109 HSG.; USE A CLASS FIT AFC ASSY P/N 3067834. USE A 3067831 BIAS SPRING. MIN. GOV. CK. OF 2277 RPM @ 15 PSI. REF: USE .095 SHIMS ON GOV. SPRING. CK.PT. 2 77-89 PSI @ 222 L.B./HR. @ 840 RPM. PT-PACER CODE.
- (4) PRESSURIZED GEAR PUMP; USE A 3070234 HSG; USE A 3058944 CLASS FIT AFC ASSY. AFC BIAS SPRING 3051069. USE A 3062158 (.024) AIR SIDE ASA. REF: USE .120 SHIMS ON GOV. SPRING. MIN. GOV. CK. OF 1900 RPM @ 15 PSI. PT-PACER CODE.
- (5) PRESSURIZED GEAR PUMP; USE A 3070234 HOUSING USE A 3058944 CLASS FIT AFC ASSY. AFC BIAS SPRING 3051069. USE AIR SIDE ASA P/N 3062158 (.024). REF: USE .220 SHIMS ON GOV. SPRING. MIN. GOV. CK. OF 1870 RPM @ 15 PSI. PT-PACER CODE.
- (6) PRESSURIZED GEAR PUMP; USE A 3070234 HOUSING USE A 3058944 CLASS FIT AFC ASSEMBLY. 3051069 AFC BIAS SPRING; USE AIR SIDE ASA P/N 3062158 (.024). REF: USE .220 SHIMS ON GOV. SPRING. MIN. GOV. CK. OF 1860 RPM @ 15 PSI. SHIM CRUISE SPEED (1815 RPM) RAIL PRESSURE TO 67-77 PSI.

1 Pump Code	6150-A	6151-B	6152-A	6153-B	6154-A	6155-A	
2 Date - Control Parts List	JAN91 - 1352	MAY91 - 1211	NOV89 - 1187	OCT91 - 0821	JAN90 - 0833	MAY92 - 0904	1
3 Test HP @ RPM	279 - 291 @ 1600	343 - 357 @ 1900	279 - 291 @ 1600	435 - 453 @ 2100	358 - 372 @ 1800	392 - 408 @ 1900	2
4 Governed Speed-RPM		1900					3
5 Engine Fuel PSI	98 - 108	133 - 147	101 - 111	199 - 219	143 - 159	169 - 187	4
6 Fuel Rate Pound Per Hour	90 - 94	118 - 122	88 - 92	151 - 157	119 - 123	132 - 138	5
7 Intake Manifold Press. In./Hg	29 - 37	32 - 40	27 - 33	47 - 55	33 - 41	38 - 46	6
8 Torque Rise % - Curve	23 -	37 -	23 -	26 -	24 -	20 -	7
9 Torque Peak - PSI @ RPM	- @ 1100	- @ 1200	- @ 1100	- @ 1500	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM		1930 - 1950	1620 - 1640	2130 - 2150	1830 - 1850	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM	64 - 74 @ 1725						12
14 Max. Auto. Gov. Check-RPM @ PSI	1872 @ 15	2223 @ 15	1854 @ 15	2457 @ 15	2106 @ 15	2223 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	1770 @ 15	2076 @ 15	1755 @ 15	2301 @ 15	1993 @ 15	2101 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	50 @ 500		43 @ 500	35 @ 700	35 @ 500	28 @ 600	21
23 Idle Speed cc @ RPM-Auto.	240 @ 650	220 @ 700	230 @ 640	210 @ 750	245 @ 630	245 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	103 @ 1600	140 @ 1900	106 @ 1600	209 @ 2100	151 @ 1800	178 @ 1900	24
26 Calibration Flow	362	318	337	637	499	548	25
27 Check Point (1) PSI @ RPM	80 - 87 @ 1100	119 - 126 @ 1200	85 - 92 @ 1100	170 - 178 @ 1500	130 - 136 @ 1300	128 - 133 @ 1300	26
28 Check Point (1) Flow	321	294	303	570	465	457	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	7 - 141624	17 - 140417	10 - 141625	12 - 141626	12 - 141626	33
35 Fuel Pump Housing	3070234	3068106	3070234	3068106	3068106	3068106	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3036898 - .140	3052121 - .305	143256 - .000	3004756 - .000	3004754 - .000	153235 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040850	3040750	3040850	3040760	3040760	3040760	39
41 Torque Spring - Shims - Gage Height	3053159 - .065 -	3053168 - .100 -	3053156 - .080 - .580	3053165 - .085 -	3053159 - .095 -	3053158 - .075 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3058944	3041494	3058944	3041494	3041494	3041494	46
48 AFC In./Hg - PSI		8 - 3.9		8 - 3.9	8 - 3.9	8 - 3.9	47
49 AFC RPM - PSI	1100 - 33	1300 - 30	1100 - 50	1600 - 61	1600 - 66	1600 - 66	48
50 AFC Flow - pph	185	108	227	317	306	306	49
51 AFC Spring - Gage Height-In.	179822 -	3007694 -	179824 -	3007692 -	179828 -	179828 -	50
52 AFC Bias Spring	3051069		3051071				51
53 AFC No Air RPM - PSI	1100 - 38	1300 - 51	1100 - 53	1600 - 49	1600 - 69	1600 - 116	52
54 AFC No Air Flow	202	148	235	322	323	413	53
55 ASA Valve	3062158	3061508			3054993		54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly		3068548				3068548	59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1991 EPA	1990 CARB	1989 EPA	1987 EPA	1987 EPA		61
63 Certified Year/Agency		1991 EPA					62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	90 FLEET 285	NTC-365	NT-FT-285	NTC-444	NTC-365	NTC-400	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)		66

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3070234 HOUSING USE A 3058944 CLASS FIT AFC ASSEMBLY. (3051069)AFC BIAS SPRING. USE A 3062158 (.024)AIR SIDE ASA. SHIM TO CRUISE SPEED (1725 RPM) RAIL PRESSURE OF (64-74 PSI). MINIMUM GOVERNOR CHECK OF 1770 RPM @ 15 PSI REF. USE .140 SHIMS ON GOVERNOR SPRING.
- (2) PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING USE AN AIR SIDE ASA 3061508. REF. USE .305 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2076 RPM AT 15 PSI USE CLASS FIT AFC ASSY 3041494. PT-PACER CODE
- (3) PRESSURIZED GEAR PUMP; USE A 3070234 HOUSING USE A 3058944 CLASS FIT AFC ASSEMBLY; AFC BIAS SPRING 3051071. REF. USE .195 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1755 RPM AT 15 PSI PT-PACER CODE.
- (4) MINIMUM NO-LOAD OF 2301 RPM AT 15 PSI. USE A 3068106 HSG. USE CLASS FIT AFC ASSY 3041494. PT-PACER CODE.
- (5) PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING REF. USE .200 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1993 RPM @ 15 PSI. USE AN AIR SIDE ASA 3054993. USE CLASS FIT AFC ASSY. 3041494. PT-PACER CODE.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6156-B - 6162-A

1 Pump Code	6156-B	6157-B	6158-B	6159-A	6161-B	6162-A	
2 Date - Control Parts List	AUG91 - 0840	MAR91 - 0910	MAR91 - 1210	FEB90 - 0675	AUG91 - 0838	APR90 - 0833	1
3 Test HP @ RPM	315 - 335 @ 1900	435 - 453 @ 2100	435 - 453 @ 2100	343 - 357 @ 1800	309 - 321 @ 1700	392 - 408 @ 2100	2
4 Governed Speed-RPM	1900				1700		3
5 Engine Fuel PSI	130 - 144	198 - 218	198 - 218	161 - 177	123 - 135	172 - 190	4
6 Fuel Rate Pound Per Hour	109 - 113	154 - 160	154 - 160	114 - 118	102 - 106	136 - 142	5
7 Intake Manifold Press. In./Hg	32 - 40	49 - 57	49 - 57	30 - 38	32 - 40	40 - 48	6
8 Torque Rise % - Curve	34 -	26 -	26 -	15 -	18 -	32 -	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1500	- @ 1500	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	2130 - 2150	2130 - 2150	1830 - 1850	1730 - 1750	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2457 @ 15	2457 @ 15	2106 @ 15	1989 @ 15	2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2063 @ 15	2302 @ 15	2302 @ 15	1962 @ 15	1877 @ 15	2281 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	40 @ 500	40 @ 600	40 @ 600	40 @ 500	40 @ 500	44 @ 500	21
23 Idle Speed cc @ RPM-Auto.	220 @ 630	220 @ 700	220 @ 700	210 @ 620	210 @ 620	245 @ 630	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	137 @ 1900	208 @ 2100	208 @ 2100	168 @ 1800	129 @ 1700	184 @ 2100	24
26 Calibration Flow	428	372	372	360	392	543	25
27 Check Point (1) PSI @ RPM	116 - 122 @ 1300	161 - 168 @ 1500	161 - 168 @ 1500	127 - 135 @ 1300	103 - 110 @ 1300	133 - 140 @ 1300	26
28 Check Point (1) Flow	395	327	327	314	361	460	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	17 - 140417	17 - 140417	17 - 140417	17 - 141632	12 - 141626	33
35 Fuel Pump Housing	3068106	3068106	3068106	3068106	3070234	3068106	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3004754 - .160	143253 - .115	143253 - .115	153235 - .000	3004752 - .000	153235 - .150	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040850	3040760	39
41 Torque Spring - Shims - Gage Height	3002058 - .010 -	3053163 - .075 - .575	3053163 - .075 - .575	138802 - .030 -	3053157 - .055 -	3002058 - .040 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3041494	3041494	3041494	3041494	3058944	3041494	46
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9	4 - 1.9		8 - 3.9	47
49 AFC RPM - PSI	1300 - 52	1600 - 36	1600 - 36	1600 - 28	1300 - 39	1600 - 66	48
50 AFC Flow - pph	234	142	142	128	190	306	49
51 AFC Spring - Gage Height-In.	179830 -	3007696 -	3007696 -	179822 -	179828 -	179828 -	50
52 AFC Bias Spring					3051071		51
53 AFC No Air RPM - PSI	1300 - 54	1600 - 47	1600 - 47	1600 - 59	1300 - 43	1600 - 72	52
54 AFC No Air Flow	238	159	159	198	205	320	53
55 ASA Valve	3061508	3061508	3061508			3054993	54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly	3068548				3068548		59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1990 CARB	1988 CARB	1989 CARB	1987 EPA	1990 CARB	1987 EPA	61
63 Certified Year/Agency	1991 EPA				1991 EPA		62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-350	NTC-444	NTC-444	NTC-350	NTC-315	NTC-400	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESS. GEAR PUMP: USE A 3068106 HOUSING. USE AN AIR SIDE ASA 3061508 (.035). MINIMUM GOV. CK. OF 2063 RPM @ 15 PSI. USE CLASS FIT AFC ASSY 3041494. REF. USE .160 SHIMS ON GOVERNOR SPRING. PT-PACER CODE. INSTALL SEALS AFTER CALIBRATION.
- (2) PRESSURIZED GEAR PUMP: USE A 3068106 HOUSING AIR SIDE ASA 3061508. REF. USE .115 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI USE A CLASS FIT AFC ASSEMBLY 3041494. PT-PACER CODE. THIS CODE TO BE USED WITH TURBO BHT3B. REF. FF 122.
- (3) PRESSURIZED GEAR PUMP: USE A 3068106 HSG. AIR SIDE ASA 3061508; REF. USE .115 SHIMS ON GOV. SPRING. MIN. GOV. CK. OF 2302 RPM @ 15 PSI. USE A CLASS FIT AFC ASSEMBLY 3041494. PT-PACER CODE. THIS CODE TO BE USED WITH TURBO BHT3B. REF. FF 122.
- (4) MIN. GOV. CHECK 1962 RPM @ 15 PSI. USE 3068106 HSG. USE CLASS FIT AFC ASSY 3041494. PT-PACER CODE.
- (5) PRESSURIZED GEAR PUMP: USE A 3070234 HOUSING REF. USE .180 ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1877 RPM AT 15 PSI USE CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071. PT-PACER CODE.
- (6) PRESSURIZED GEAR PUMP: USE A 3068106 HOUSING USE AN AIR SIDE ASA P/N 3054993. USE CLASS FIT AFC ASSY 3041494. MINIMUM GOVERNOR CHECK OF 2281 RPM @ 15 PSI. REF. USE .150 SHIMS ON GOVERNOR SPRING. PT-PACER CODE.

1 Pump Code	6163-N	6164-J	6165-D	6166-F	6167-A	6168-J	1
2 Date - Control Parts List	JUN93 - 1395	MAY93 - 1374	MAY91 - 1188	JUN93 - 1380	JUN90 - 0840	MAY93 - 1395	2
3 Test HP @ RPM	320 - 340 @ 1600	359 - 381 @ 1600	314 - 326 @ 1600	340 - 360 @ 1600	343 - 357 @ 1900	301 - 319 @ 1600	3
4 Governed Speed-RPM	1700	1800		1700		1700	4
5 Engine Fuel PSI	111 - 123	132 - 144	118 - 130	121 - 135	142 - 156	106 - 118	5
6 Fuel Rate Pound Per Hour	109 - 116	121 - 129	101 - 105	116 - 123	115 - 119	103 - 110	6
7 Intake Manifold Press. In./Hg	41 - 49	46 - 54	31 - 39	44 - 52	33 - 41	39 - 47	7
8 Torque Rise % - Curve	0		26 -		24 -		8
9 Torque Peak - PSI @ RPM	79 - 92 @ 1100	- @ 1200		82 - 100 @ 1100		74 - 87 @ 1100	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM			1600 - 1620		1930 - 1950		11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	73 - 85 @ 1820	86 - 96 @ 1921		81 - 91 @ 1817		68 - 79 @ 1825	13
14 Max. Auto. Gov. Check-RPM @ PSI	1970 @ 15	2106 @ 15	1817 @ 15	1989 @ 15	2223 @ 15	2010 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1820 @ 15	1996 @ 15	1770 @ 15	1897 @ 15	2076 @ 15	1890 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	75 -	75 -	110 -	75 -	110 -	75 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	44 @ 650	42 @ 650		47 @ 600	33 @ 500	39 @ 650	22
23 Idle Speed cc @ RPM-Auto.	210 @ 710	210 @ 710	220 @ 700	210 @ 710	210 @ 620	210 @ 710	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	117 @ 1600	138 @ 1600	124 @ 1600	128 @ 1600	149 @ 1900	112 @ 1600	25
26 Calibration Flow	359	386	238	379	452	346	26
27 Check Point (1) PSI @ RPM	82 - 88 @ 1100	100 - 107 @ 1200	103 - 110 @ 1100	90 - 97 @ 1100	107 - 114 @ 1300	77 - 84 @ 1100	27
28 Check Point (1) Flow	300	329	218	312	381	286	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist. Setting - Spring	.760 - 143854	.760 - 143854	.800 - 143854	.760 - 143854	.800 - 143854	.760 - 143854	33
34 Idle Plunger Code - Part No.	22 - 141630	20 - 141629	10 - 141625	15 - 139894	22 - 141630	27 - 141632	34
35 Fuel Pump Housing	3070234	3070234	3069329	3070234	3068109	3070234	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3036895 - .115	153235 - .090	143256 - .000	144491 - .150	153235 - .000	3036894 - .245	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040850	3040850	3040850	3040850	3040750	3040850	40
41 Torque Spring - Shims - Gage Height	3053160 - .080 - .560	3053158 - .065 - .565	3053161 - .075 - .585	3053157 - .070 - .570	3053157 - .085 -	3053158 - .065 - .565	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3074225	3074225	3041494	3070591	3058944	3074225	47
48 AFC In./Hg - PSI			8 - 3.9				48
49 AFC RPM - PSI	1100 - 36	1200 - 36	1300 - 45	1100 - 36	1600 - 50	1100 - 36	49
50 AFC Flow - pph	188	188	137	188	234	188	50
51 AFC Spring - Gage Height-In.	179832 - .117	179832 - .117	179834 -	179832 - .117	179832 -	179832 - .117	51
52 AFC Bias Spring	3071951	3071704		3071951	3051071	3071951	52
53 AFC No Air RPM - PSI	1100 - 40	1200 - 39	1300 - 57	1100 - 40	1600 - 58	1100 - 40	53
54 AFC No Air Flow	200	196	166	200	253	200	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly	3068548	3068548					60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1990 EPA	1990 EPA	1989 EPA	1990 EPA	1989 CARB	1990 EPA	62
63 Certified Year/Agency	1991 CARB	1991 CARB		1991 CARB		1991 CARB	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-330P	N14-370	NTC-FL-320	N14-350P	NTC-350	N14-310P	66
67 Notes			SEE NOTE (3)		SEE NOTE (5)		67

NOTES

(3) PRESSURIZED GEAR PUMP; USE A 3069329 HOUSING REF. USE .155 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1791 RPM @ 15 PSI. USE AFC CLASS FIT ASSEMBLY 3041494.

(5) PRESSURIZED GEAR PUMP; USE A 3068109 HOUSING. REF. USE .150 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2076 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3058944. AFC BIAS SPRING 3051071.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6170-B - 6175-B

1 Pump Code	6170-B	6171-B	6172-B	6173-B	6174-B	6175-B	1
2 Date - Control Parts List	SEP90 - 1380	SEP90 - 1374	NOV90 - 1352	NOV90 - 1352	MAY93 - 1405	FEB91 - 0633	2
3 Test HP @ RPM	323 - 337 @ 1600	363 - 377 @ 1600	294 - 306 @ 1750	294 - 306 @ 1750	398 - 422 @ 1600	294 - 306 @ 2100	3
4 Governed Speed-RPM					1800		4
5 Engine Fuel PSI			109 - 121	109 - 121	149 - 165	125 - 139	5
6 Fuel Rate Pound Per Hour			97 - 101	97 - 101	134 - 140	104 - 108	6
7 Intake Manifold Press. In./Hg			33 - 41	33 - 41	47 - 55	32 - 40	7
8 Torque Rise % - Curve			28 -	28 -		33 -	8
9 Torque Peak - PSI @ RPM				@ 1100	102 - 120 @ 1200		9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM			1770 - 1790	1770 - 1790		2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM					98 - 112 @ 1919		13
14 Max. Auto. Gov. Check-RPM @ PSI			2058 @ 15	2058 @ 15	2080 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI			1904 @ 15	1904 @ 15	2020 @ 15		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph			110 -	110 -	75 -	110 -	20
21 Throttle Travel-Auto., VS, Lev			28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.			45 @ 500	47 @ 500	46 @ 650	29 @ 500	22
23 Idle Speed cc @ RPM-Auto.			240 @ 650	240 @ 650	210 @ 710	220 @ 630	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM			115 @ 1750	114 @ 1700	157 @ 1600	132 @ 2100	25
26 Calibration Flow			379	377	417	331	26
27 Check Point (1) PSI @ RPM			80 - 87 @ 1100	80 - 86 @ 1100	110 - 116 @ 1200	89 - 96 @ 1300	27
28 Check Point (1) Flow			313	312	344	280	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring			.800 - 143854	.800 - 143854	.760 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	12 - 141626	15 - 139894	17 - 140417	17 - 140417	15 - 139894	32 - 141634	34
35 Fuel Pump Housing	3883547	3883547	3070234	3070234	3070234		35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	144491 - .140	144490 - .135	3036894 - .240	3036894 - .250	144490 - .175	153235 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3070740	3070740	3040850	3040850	3040850	3040750	40
41 Torque Spring - Shims - Gage Height	3053165 - .060 - .560	3053163 - .040 - .540	3053159 - .080 -	3053157 - .080 -	3053157 - .048 - .548	3002049 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3070591	3070591	3058944	3058944	3070591		47
48 AFC In./Hg - PSI						4 - 1.9	48
49 AFC RPM - PSI			1100 - 33	1100 - 33	1200 - 26	1600 - 24	49
50 AFC Flow - pph			185	185	168	122	50
51 AFC Spring - Gage Height-In.			179822 -	179822 -	179826 - .117	179826 -	51
52 AFC Bias Spring	3071951	3071704	3051069	3051069	3071950		52
53 AFC No Air RPM - PSI			1100 - 38	1100 - 38	1200 - 30	1600 - 73	53
54 AFC No Air Flow			202	202	184	245	54
55 ASA Valve			3062158	3062158			55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1990 EPA	1990 EPA	1990 CARB	1990 CARB	1990 EPA	1989 EPA	62
63 Certified Year/Agency					1991 CARB		63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-350	N14-370	NTC-300	'90' FLEET 300	N14-410	NTC-300	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)		SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3883547 HOUSING USE A 3070591 AFC ASSY.; AFC BIAS SPRING 3071951; MIN. GOV. CHECK OF 2098 RPM @ 15 PSI; TQ. SPRING GAGE LENGTH TO .560; SHIM AFC MAIN SPRING TO 1.320; REF. USE .140 SHIMS ON GOV. SPRING.
- (2) PRESSURIZED GEAR PUMP; USE A 3883547 HOUSING USE A 3070591 AFC ASSY.; AFC BIAS SPRING P/N 3071704; TORQUE SPRING GAGE LENGTH .540. SHI AFC MAIN SPRING TO 1.320; MINIMUM GOV. CHECK OF 2095 RPM AT 15 PSI; REF. USE .135 SHIMS ON GOV SPRING.
- (3) PRESSURIZED GEAR PUMP; USE A 3070234 HOUSING USE A CLASS FIT AFC ASSY. 3058944; AFC BIAS SPRING 3051069; USE AIR SIDE ASA P/N 3062158 (.024); REF. USE .240 SHIMS ON GOV. SPRING; MIN. GOV CK OF 1914 RPM @ 15 PS
- (4) PRESSURIZED GEAR PUMP; USE A 3070234 HOUSING USE A 3058944 CLASS FIT AFC ASSY. AFC BIAS SPRING 3051069. USE AIR SIDE ASA P/N 3062158 (.024). REF. USE .250 SHIMS ON GOV. SPRING. MIN. GOV. CK. OF 1914 RPM @ 15 PSI. PT-PACER CODE.
- (6) PRESSURIZED GEAR PUMP ; USE A 3068106 HOUSIN ; MIN GOV CHECK OF 2236 RPM AT 15 PSI. USE CLASS FIT AFC ASSEMBLY 3041494.

1 Pump Code	6176-B	6177-F	6178-B	6179-A	6180-A	6181-A	1
2 Date - Control Parts List	FE991 - 0832	MAY93 - 1380	FE991 - 0632	OCT91 - 0821	FE991 - 0814	MAR91 - 0632	2
3 Test HP @ RPM	294 - 306 @ 1800	340 - 360 @ 1600	343 - 357 @ 1800	441 - 459 @ 2100	392 - 408 @ 1900	309 - 321 @ 1800	3
4 Governed Speed-RPM		1700					4
5 Engine Fuel PSI	114 - 126	121 - 135	168 - 186	199 - 219	166 - 184	139 - 153	5
6 Fuel Rate Pound Per Hour	96 - 100	116 - 123	117 - 121	153 - 159	131 - 137	106 - 110	6
7 Intake Manifold Press. In./Hg	29 - 37	45 - 53	33 - 41	48 - 56	43 - 51	28 - 36	7
8 Torque Rise % - Curve	14 -		15 -	24 - FR 1637	13 -	25 -	8
9 Torque Peak - PSI @ RPM		81 - 94 @ 1100		- @ 1500			9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850		1830 - 1850	2130 - 2150	1930 - 1950	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM		80 - 90 @ 1822					13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	1989 @ 15	2106 @ 15	2457 @ 15	2223 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI		1897 @ 15		2302 @ 15			15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	75 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	31 @ 500	47 @ 600	42 @ 500	35 @ 700	37 @ 500	41 @ 500	22
23 Idle Speed cc @ RPM-Auto.	210 @ 620	210 @ 710	220 @ 630	210 @ 750	210 @ 630	220 @ 630	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	120 @ 1800	128 @ 1600	177 @ 1800	215 @ 2100	175 @ 1900	150 @ 1800	25
26 Calibration Flow	321	380	370	647	493	359	26
27 Check Point (1) PSI @ RPM	86 - 94 @ 1300	84 - 91 @ 1100	137 - 144 @ 1300	172 - 181 @ 1500	116 - 122 @ 1300	127 - 133 @ 1300	27
28 Check Point (1) Flow	272	307	323	578	397	330	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.760 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	32 - 141634	17 - 140417	10 - 141625	10 - 141625	17 - 140417	15 - 139894	34
35 Fuel Pump Housing		3070234		3068106			35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153235 - .000	144491 - .170	153235 - .000	3004756 - .120	3000940 - .000	3004754 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040850	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138802 - .020 -	3053158 - .050 - .550	139587 - .000 -	3053165 - .085 - .585	138802 - .020 -	3053159 - .090 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly		3070591		3041494			47
48 AFC In./Hg - PSI	4 - 1.9		8 - 3.9	8 - 3.9	4 - 1.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 17	1100 - 36	1600 - 67	1600 - 61	1600 - 25	1600 - 67	49
50 AFC Flow - pph	104	188	219	317	162	219	50
51 AFC Spring - Gage Height-In.	179822 -	179832 - .117	179830 -	3007692 -	179828 -	179830 -	51
52 AFC Bias Spring		3071951					52
53 AFC No Air RPM - PSI	1600 - 77	1100 - 40	1600 - 53	1600 - 49	1600 - 53	1600 - 53	53
54 AFC No Air Flow	255	200	190	322	249	190	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1987 EPA	1991 CARB		1987 EPA	1991 EPA	1991 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-300	N14-350P	NTC-350	NT-444	NTC-400	NTC-350	66
67 Notes	SEE NOTE (1)		SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

(1) PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING MIN. GOV. CHECK OF 1959 RPM @ 15 PSI. USE CLASS FIT AFC ASSEMBLY 3041494.

(3) PRESSURIZED GEAR PUMP; MIN. GOV. CHECK 1962 RPM @ 15 PSI. USE 3068106 HOUSING. USE CLASS FIT AFC ASSEMBLY 3041494.

(4) PRESSURIZED GEAR PUMP; USE A 3068106 HSG; TORQUE SPRING GAGE HEIGHT .585; REF. USE .120 SHIMS ON GOVERNOR SPRING; MINIMUM GOVERNOR CHECK OF 2302 RPM @ 15 PSI. USE CLASS FIT AFC 3041494.

(5) USE 3068106 FUEL PUMP HOUSING; USE PRESSURIZED GEAR PUMP; MIN. GOV. CHECK OF 2101 RPM @ 15 PSI. USE CLASS FIT AFC ASSY 3041494.

(6) PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING MINIMUM GOVERNOR CHECK OF 1967 RPM AT 15 PSI USE CLASS FIT AFC ASSEMBLY 3041494.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6182-A - 6187-A

1 Pump Code	6182-A	6183-A	6184-B	6185-B	6186-A	6187-A	
2 Date - Control Parts List	MAR91 - 0910	MAR91 - 1210	JUN91 - 1280	JUN91 - 1280	JUN91 - 1280	JUN91 - 1256	1
3 Test HP @ RPM	441 - 459 @ 2100	441 - 459 @ 2100	435 - 453 @ 2100	416 - 432 @ 1900	441 - 459 @ 2100	441 - 459 @ 2100	2
4 Governed Speed-RPM			2100	1900	2100	2100	3
5 Engine Fuel PSI	198 - 218	198 - 218	173 - 191	156 - 172	173 - 191	173 - 191	4
6 Fuel Rate Pound Per Hour	154 - 160	154 - 160	156 - 162	143 - 149	158 - 164	158 - 164	5
7 Intake Manifold Press. In./Hg	49 - 57	49 - 57	41 - 49	38 - 46	41 - 49	41 - 49	6
8 Torque Rise % - Curve	26 -	26 -	26 -	19 -	24 -	24 -	7
9 Torque Peak - PSI @ RPM	- @ 1500	- @ 1500	- @ 1500	- @ 1400	- @ 1500	- @ 1500	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2120 - 2140		2120 - 2140	2120 - 2140	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM				102 - 112 @ 2025			12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2447 @ 15	2194 @ 15	2457 @ 15	2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2302 @ 15	2302 @ 15	2292 @ 15	2088 @ 15	2292 @ 15	2292 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	40 @ 600	40 @ 600	46 @ 600	47 @ 600	47 @ 600	47 @ 600	21
23 Idle Speed cc @ RPM-Auto.	220 @ 700	220 @ 700	220 @ 710	220 @ 710	220 @ 710	220 @ 710	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	212 @ 2100	212 @ 2100	182 @ 2100	184 @ 1900	187 @ 2100	187 @ 2100	24
26 Calibration Flow	376	376	344	322	350	350	25
27 Check Point (1) PSI @ RPM	162 - 169 @ 1500	162 - 169 @ 1500	151 - 157 @ 1500	132 - 141 @ 1400	152 - 159 @ 1500	152 - 159 @ 1500	26
28 Check Point (1) Flow	325	325	312	290	316	316	27
29 Check Point (2) PSI @ RPM			77 - 90 @ 930	78 - 87 @ 920	78 - 88 @ 920	78 - 88 @ 920	28
30 Check Point (2) Flow			218	215	219	219	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.790 - 3074242	.790 - 3074242	.790 - 3074242	.790 - 3074242	32
34 Idle Plunger Code - Part No.	17 - 140417	17 - 140417	22 - 141630	22 - 141630	22 - 141630	22 - 141630	33
35 Fuel Pump Housing	3068106	3068106	3068109	3068109	3068109	3068109	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143253 - .125	143253 - .125	3000935 - .105	3004750 - .200	3000935 - .150	3000935 - .150	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3053163 - .065 - .565	3053163 - .065 - .565	3053168 - .080 -	3053162 - .060 -	3053167 - .070 - .570	3053167 - .070 - .570	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3041494	3041494	3067834	3067834	3067834	3067834	46
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	9 - 4.4	9 - 4.4	9 - 4.4	9 - 4.4	47
49 AFC RPM - PSI	1600 - 36	1600 - 36	1600 - 73	1600 - 73	1600 - 73	1600 - 73	48
50 AFC Flow - pph	142	142	207	207	207	207	49
51 AFC Spring - Gage Height-In.	3007696 -	3007696 -	3007696 -	3007696 -	3007696 - .117	3007696 - .117	50
52 AFC Bias Spring			3068170	3068170	3068170	3068170	51
53 AFC No Air RPM - PSI	1600 - 47	1600 - 47	1600 - 49	1600 - 49	1600 - 49	1600 - 49	52
54 AFC No Air Flow	159	159	164	164	164	164	53
55 ASA Valve	3061508	3061508					54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1988 CARB	1989 CARB	1991 EPA	1991 EPA	1991 EPA	1989 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-450	NTC-450	'89 NTC-444	89-NT-424	NT-450	NT-450	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING AIR SIDE ASA 3061508. REF. USE .125 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI USE A CLASS FIT AFC ASSEMBLY 3041494. PT-PACER CODE. THIS CODE TO BE USED WITH TURBO BHT3B. REF. FF 122.
- (2) PRESSURIZED GEAR PUMP; USE A 3068106 HSG; AIR SIDE ASA 3061508; REF. USE .125 SHIMS ON GOV. SPRING. MIN. GOV. CK. OF 2302 RPM @ 15 PSI. USE A CLASS FIT AFC ASSEMBLY 3041494. PT-PACER CODE. THIS CODE TO BE USED WITH TURBO BHT3B. REF. FF 122.
- (3) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.
- (4) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.
- (5) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.
- (6) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.

1 Pump Code	6188-B	6189-D	6190-A	6191-B	6192-B	6193-D	
2 Date - Control Parts List	AUG92 - 1530	MAY93 - 1532	JUL91 - 0797	MAY93 - 1532	MAY93 - 1532	MAY93 - 1532	1
3 Test HP @ RPM	323 - 337 @ 1600	323 - 337 @ 1600	343 - 357 @ 1800	343 - 357 @ 1600	323 - 337 @ 1600	340 - 360 @ 1600	2
4 Governed Speed-RPM	1600	1700		1700	1600	1700	3
5 Engine Fuel PSI	104 - 114	98 - 108	155 - 171	108 - 120	101 - 111	106 - 118	4
6 Fuel Rate Pound Per Hour	113 - 117	106 - 111	113 - 117	114 - 118	108 - 112	114 - 118	5
7 Intake Manifold Press. in./Hg	36 - 44	33 - 42	30 - 38	35 - 43	33 - 42	35 - 43	6
8 Torque Rise % - Curve		- 0	15 -		- 0	18 -	7
9 Torque Peak - PSI @ RPM		- @ 1100		- @ 1100	- @ 1100	- @ 1100	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM		1720 - 1740	1830 - 1850				10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM	73 - 83 @ 1760			71 - 81 @ 1817	64 - 74 @ 1770	68 - 79 @ 1828	12
14 Max. Auto. Gov. Check-RPM @ PSI	1970 @ 15	2030 @ 15	2106 @ 15	1990 @ 15	1970 @ 15	1989 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	1885 @ 15	1950 @ 15	1962 @ 15	1900 @ 15	1880 @ 15	1897 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	75 -	75 -	110 -	75 -	75 -	75 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	48 @ 600	41 @ 600		39 @ 650	40 @ 650	40 @ 600	21
23 Idle Speed cc @ RPM-Auto.	210 @ 730	210 @ 710	210 @ 620	210 @ 710	210 @ 710	210 @ 710	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	109 @ 1600	103 @ 1600	163 @ 1800	114 @ 1600	106 @ 1600	112 @ 1600	24
26 Calibration Flow	348	340	354	349	331	354	25
27 Check Point (1) PSI @ RPM	82 - 88 @ 1100	75 - 82 @ 1100	124 - 131 @ 1300	84 - 91 @ 1100	81 - 87 @ 1100	79 - 86 @ 1100	26
28 Check Point (1) Flow	304	291	309	300	290	293	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.760 - 143854	.760 - 143854	.800 - 143854	.760 - 143854	.760 - 143854	.760 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	25 - 141631	17 - 140417	17 - 140417	20 - 141629	25 - 141631	33
35 Fuel Pump Housing	3070234	3070234	3068106	3070234	3070234	3070234	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143255 - .100	3036898 - .200	153235 - .000	3036898 - .195	3036898 - .155	3036895 - .125	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040850	3040850	3040750	3040850	3040850	3040850	39
41 Torque Spring - Shims - Gage Height	3053172 - .035 - .535	3051814 - .060 - .560	138802 - .030 -	3053157 - .095 - .595	3053169 - .045 - .545	3053157 - .075 - .575	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3070591	3074225	3041494	3074225	3070591	3074225	46
48 AFC in./Hg - PSI			4 - 1.9				47
49 AFC RPM - PSI	1100 - 36	1100 - 34	1600 - 28	1100 - 34	1100 - 34	1100 - 34	48
50 AFC Flow - pph	188	183	128	183	183	183	49
51 AFC Spring - Gage Height-In.	179832 - .117	179830 - .117	179822 -	179830 - .117	179830 - .117	179830 - .117	50
52 AFC Bias Spring	3071951	3071704		3071704	3071704	3071704	51
53 AFC No Air RPM - PSI	1100 - 40	1100 - 37	1600 - 59	1100 - 37	1100 - 37	1100 - 37	52
54 AFC No Air Flow	200	191	198	191	191	191	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1991 EPA	1991 CONS	1987 EPA	1991 EPA	1991 EPA	1991 EPA	61
63 Certified Year/Agency		1991 EPA					62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	N14-330P	N14-330P	NTC-350	N14-350	N14-330-P	N14-350-P	65
67 Notes							66

NOTES

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6194-A - 6199-A

1 Pump Code	6194-A	6195-A	6196-B	6197-A	6198-C	6199-A	1
2 Date - Control Parts List	MAY93 - 1607	AUG92 - 1530	MAY93 - 1405	MAY93 - 1607	JUN93 - 1652	SEP92 - 0840	2
3 Test HP @ RPM	398 - 422 @ 1600	343 - 357 @ 1600 - 1600	402 - 418 @ 1600	363 - 377 @ 1600	421 - 439 @ 1600	343 - 357 @ 2100	3
4 Governed Speed-RPM	1800	1700	1700	1800	1800		4
5 Engine Fuel PSI	149 - 165	119 - 131	149 - 165	129 - 143	159 - 175	153 - 169	5
6 Fuel Rate Pound Per Hour	134 - 140	113 - 117	134 - 140	123 - 128	140 - 146	120 - 124	6
7 Intake Manifold Press. In./Hg	47 - 55	39 - 47	47 - 55	43 - 51	47 - 57	37 - 45	7
8 Torque Rise % - Curve	- FR-1630			- FR-1661	- 0	37 -	8
9 Torque Peak - PSI @ RPM	102 - 120 @ 1200	- @ 1100	102 - 120 @ 1200	102 - 120 @ 1200	102 - 120 @ 1200		9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM			1720 - 1740			2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	98 - 112 @ 1919	78 - 89 @ 1768		87 - 95 @ 1927	90 - 100 @ 1950		13
14 Max. Auto. Gov. Check-RPM @ PSI	2080 @ 15	1970 @ 15	1990 @ 15	2106 @ 15	2190 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2020 @ 15	1885 @ 15	1930 @ 15	1996 @ 15	2070 @ 15	2259 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	75 -	75 -	75 -	75 -	75 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	46 @ 650	40 @ 650	41 @ 650	44 @ 650	43 @ 650	33 @ 500	22
23 Idle Speed cc @ RPM-Auto.	210 @ 710	210 @ 730	210 @ 710	210 @ 710	210 @ 710	220 @ 630	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	157 @ 1600	125 @ 1600	157 @ 1600	136 @ 1600	167 @ 1600	161 @ 2100	25
26 Calibration Flow	417	368	417	370	430	439	26
27 Check Point (1) PSI @ RPM	110 - 116 @ 1200	81 - 88 @ 1100	110 - 116 @ 1200	110 - 116 @ 1200	110 - 117 @ 1200	112 - 118 @ 1300	27
28 Check Point (1) Flow	344	295	345	333	347	356	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.760 - 143854	.760 - 143854	.760 - 143854	.760 - 143854	.760 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	15 - 139894	25 - 141631	17 - 140417	15 - 139894	17 - 140417	27 - 141632	34
35 Fuel Pump Housing	3070234	3070234	3070234	3070234	3070234	3068109	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	144490 - .180	153235 - .050	153235 - .110	143255 - .155	3000940 - .100	143253 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040850	3040850	3040850	3040850	3040850	3040750	40
41 Torque Spring - Shims - Gage Height	3053157 - .048 - .548	3053167 - .020 - .520	3053157 - .030 - .530	3053161 - .090 - .590	3051812 - .000 - .500	3002055 - .045 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3074225	3074225	3074225	3074225	3074225	3058944	47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1200 - 74	1100 - 36	1200 - 26	1200 - 74	1200 - 26	1600 - 50	49
50 AFC Flow - pph	275	188	168	275	168	234	50
51 AFC Spring - Gage Height-In.	179828 - .117	179832 - .117	179826 - .117	179828 - .117	179826 - .117	179832 -	51
52 AFC Bias Spring	3051075	3071951	3071950	3051075	3071950	3051071	52
53 AFC No Air RPM - PSI	1200 - 77	1100 - 40	1200 - 30	1200 - 77	1200 - 30	1600 - 58	53
54 AFC No Air Flow	280	200	184	280	184	253	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency		1991 EPA	1992 CARB		1993 CARB	1989 CARB	62
63 Certified Year/Agency						1991 EPA	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-410	N14-350	N14-410	N14-370	N14-430	NTC-350	66
67 Notes					SEE NOTE (5)		67

NOTES

(5) NOT FOR SALE IN MEXICO

1 Pump Code	6200-A	6201-A	6202-A	6600-F	6601-E	6602-H	1
2 Date - Control Parts List	JUN93 - 1380	APR93 - 0625	JUN93 - 0891	MAY93 - 1380	MAY93 - 1374	MAY93 - 1405	2
3 Test HP @ RPM	340 - 360 @ 1600	392 - 408 @ 2100	388 - 412 @ 2100	320 - 340 @ 1600	363 - 377 @ 1600	398 - 422 @ 1600	3
4 Governed Speed-RPM	1700			1950	1950	1950	4
5 Engine Fuel PSI	121 - 135	155 - 172	155 - 172	110 - 122	131 - 145	147 - 163	5
6 Fuel Rate Pound Per Hour	118 - 122	139 - 145	142 - 148	110 - 114	122 - 128	134 - 140	6
7 Intake Manifold Press. In./Hg	44 - 52	41 - 49	42 - 50	42 - 50	46 - 54	47 - 55	7
8 Torque Rise % - Curve		25 -	25 -				8
9 Torque Peak - PSI @ RPM	82 - 100 @ 1100		106 - 120 @	78 - 95 @ 1100	- @ 1200	101 - 117 @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM		2130 - 2150	2130 - 2150				11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	86 - 96 @ 1817			99 - 109 @ 1950	117 - 125 @ 1950	125 - 137 @ 1950	13
14 Max. Auto. Gov. Check-RPM @ PSI	1989 @ 15	2457 @ 15	2425 @ 15	2202 @ 15	2205 @ 15	2140 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1897 @ 15	2282 @ 15	2282 @ 15	2098 @ 15	2095 @ 15	2060 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	75 -	110 -	110 -	75 -	75 -	75 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	47 @ 600	37 @ 500	37 @ 500	48 @ 650	46 @ 650	45 @ 600	22
23 Idle Speed cc @ RPM-Auto.	210 @ 710	210 @ 630	210 @ 630	210 @ 710	210 @ 710	210 @ 710	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	134 @ 1600	164 @ 2100	164 @ 2100	116 @ 1600	138 @ 1600	155 @ 1600	25
26 Calibration Flow	379	482	482	360	386	418	26
27 Check Point (1) PSI @ RPM	95 - 102 @ 1100	108 - 116 @ 1300	108 - 116 @ 1300	84 - 91 @ 1100	103 - 110 @ 1200	107 - 114 @ 1200	27
28 Check Point (1) Flow	312	390	390	306	334	345	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.760 - 143854	.800 - 143854	.800 - 143854	.760 - 143854	.760 - 143854	.760 - 143854	33
34 Idle Plunger Code - Part No.	15 - 139894	25 - 141631	25 - 141631	17 - 140417	17 - 140417	15 - 139894	34
35 Fuel Pump Housing	3070234	3068106	3068106	3883547	3883547	3883547	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	144491 - .150	153238 - .000	153238 - .000	3038897 - .155	153235 - .060	144490 - .160	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040850	3040760	3040760	3070740	3070740	3070740	40
41 Torque Spring - Shims - Gage Height	3053157 - .070 - .570	139586 - .020 -	139586 - .020 -	3053166 - .060 - .570	3053162 - .055 - .565	3053158 - .035 - .535	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3074225	3041494	8 - 3.9	3070591	3074225	3070591	47
48 AFC In./Hg - PSI		8 - 3.9	8 - 3.9				48
49 AFC RPM - PSI	1100 - 36	1600 - 59	1600 - 59	1100 - 36	1200 - 36	1200 - 26	49
50 AFC Flow - pph	188	272	272	188	188	168	50
51 AFC Spring - Gage Height-In.	179832 - .117	179834 -	179834 -	179832 - .117	179832 - .117	179826 - .117	51
52 AFC Bias Spring	3071951			3071951	3071704	3071950	52
53 AFC No Air RPM - PSI	1100 - 40	1600 - 42	1600 - 42	1100 - 40	1200 - 39	1200 - 30	53
54 AFC No Air Flow	200	224	224	200	196	184	54
55 ASA Valve		3062159	3062159				55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly				3068548			60
61 Fuel Line Check Valve	3028325						61
62 Certified Year/Agency	1993 CARB		1989 EPA	1990 EPA	1990 EPA	1990 EPA	62
63 Certified Year/Agency				1991 CARB	1991 CARB	1991 CARB	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-350P	NTC-400	NTC-400	N14-330P	N14-370	N14-410	66
67 Notes							67

NOTES

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6603-B - 6716-A

1 Pump Code	6603-B	6604-A	6699-B	6700-A	6702-A	6716-A	1
2 Date - Control Parts List	MAY93 - 1374	MAY93 - 1607	DEC88 - 0911	JAN92 - 0992	JAN92 - 1213	NOV91 - 1324	2
3 Test HP @ RPM	343 - 357 @ 1600	398 - 422 @ 1600	306 - 324 @ 2100	340 - 361 @ 2100	320 - 340 @ 2100	446 - 474 @ 1700	3
4 Governed Speed-RPM	1950	1950					4
5 Engine Fuel PSI	126 - 140	147 - 163	130 - 160	130 - 160	130 - 160	150 - 180	5
6 Fuel Rate Pound Per Hour	116 - 120	134 - 140	107 - 113	117 - 125	114 - 122	152 - 162	6
7 Intake Manifold Press. In./Hg	46 - 54	47 - 55	37 - 45	37 - 45	32 - 40	54 - 64	7
8 Torque Rise % - Curve	- FR 1638		46 -	37 -	70 -	9 -	8
9 Torque Peak - PSI @ RPM	- @ 1200	101 - 117 @ 1200				130 - 160 @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	84 - 94 @ 2029	125 - 137 @ 1950					13
14 Max. Auto. Gov. Check-RPM @ PSI	2202 @ 15	2140 @ 15					14
15 Min. Auto. Gov. Check-RPM @ PSI	2098 @ 15	2060 @ 15					15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	75 -	75 -					20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -					21
22 Idle Speed PSI @ RPM-Auto.	46 @ 650	45 @ 600					22
23 Idle Speed cc @ RPM-Auto.	210 @ 710	210 @ 710					23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	133 @ 1600	155 @ 1600					25
26 Calibration Flow	394	418					26
27 Check Point (1) PSI @ RPM	86 - 92 @ 1100	107 - 114 @ 1200					27
28 Check Point (1) Flow	314	345					28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.760 - 143854	.760 - 143854					33
34 Idle Plunger Check - Part No.	17 - 140417	15 - 139894					34
35 Fuel Pump Housing	3883547	3883547					35
36 Auto. Idle Spring	3018767	3018767					36
37 Auto. Gov. Spring - Ref. Shims	144491 - .195	144490 - .160					37
38 Gear Pump Size In.	.750	.750	.750	1.250	1.250	1.250	38
39 Auto. Gov. Weights	146437	146437					39
40 Auto. Gov. Plunger	3070740	3070740					40
41 Torque Spring - Shims - Gage Height	3053165 - .045 - .545	3053158 - .035 - .535					41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3070591	3074225					47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1100 - 36	1200 - 74					49
50 AFC Flow - pph	188	275					50
51 AFC Spring - Gage Height-In.	179832 - .117	179828 - .117					51
52 AFC Bias Spring	3071951	3051075					52
53 AFC No Air RPM - PSI	1100 - 40	1200 - 77					53
54 AFC No Air Flow	200	280					54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1992 CARB		1988 EPA		1989 EPA	1990 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-350	N14-410	NTC-315-E SEE NOTE (3)	NTC-350-E SEE NOTE (4)	NTC-350-E SEE NOTE (5)	91N14-460-E SEE NOTE (6)	66
67 Notes							67

NOTES

(3) FOR ECI ONLY. REF.: SC1003, FR1477.

(4) FOR ECI ONLY. REF.: SC1006, FR1487.

(5) FOR ECI ONLY. REF.: SC1007, FR1545, DO1004, PH1006.

(6) FOR SELECT ONLY. SC 1701.

1 Pump Code	6717-B	6718-B	6719-B	6720-B	6721-A	6722-B	1
2 Date - Control Parts List	NOV91 - 1384	NOV91 - 1385	NOV91 - 1386	NOV91 - 1389	APR92 - 1390	NOV91 - 1391	2
3 Test HP @ RPM	446 - 474 @ 1700	417 - 443 @ 1700	417 - 443 @ 1700	359 - 381 @ 1600	359 - 381 @ 1600	340 - 361 @ 1600	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI							5
6 Fuel Rate Pound Per Hour							6
7 Intake Manifold Press. In./Hg							7
8 Torque Rise % - Curve							8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph							20
21 Throttle Travel-Auto. - VS, Lev							21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.							23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM							25
26 Calibration Flow							26
27 Check Point (1) PSI @ RPM							27
28 Check Point (1) Flow							28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring							33
34 Idle Plunger Code - Part No.							34
35 Fuel Pump Housing							35
36 Auto. Idle Spring							36
37 Auto. Gov. Spring - Ref. Shims	1.250	1.250	1.250		1.250		37
38 Gear Pump Size In.							38
39 Auto. Gov. Weights							39
40 Auto. Gov. Plunger							40
41 Torque Spring - Shims - Gage Height							41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMO Set with ST589 - Shims							56
57 TMO Spring							57
58 TMO Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1990 CARB	1990 CARB	1990 CARB	1990 CARB	1990 CARB	1991 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-460-E	N14-430-E	N14-430-E	MOD N14-370-E	91N14-370	N14-350-E	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) FOR CELECT ONLY. SC 1714 (4D). SUPERSEDED BY FC 6741.
- (2) FOR CELECT ONLY. SC 1715 (4D). SUPERSEDED BY FC 6742.
- (3) FOR CELECT ONLY. SC 1716 (4D) SUPERSEDED BY FC 6743.
- (4) FOR CELECT ONLY. SC 1718 (4D). SUPERSEDED BY FC 6729.
- (5) FOR CELECT ONLY. SC 1706. (4-D) CALIBRATION. SUPERSEDED BY FC 6730.
- (6) FOR CELECT ONLY. SC 1720 (4D). SUPERSEDED BY FC 6731.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6723-B - 6728-B

1 Pump Code	6723-B	6724-B	6725-B	6726-B	6727-B	6728-B	
2 Date - Control Parts List	NOV91 - 1392	NOV91 - 1393	NOV91 - 1394	APR92 - 1426	NOV91 - 1391	NOV91 - 1445	1
3 Test HP @ RPM	320 - 340 @ 1600	320 - 340 @ 1600	301 - 319 @ 1600	396 - 422 @ 1600	340 - 361 @ 1600	359 - 381 @ 1600	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI							4
6 Fuel Rate Pound Per Hour							5
7 Intake Manifold Press. In./Hg							6
8 Torque Rise % - Curve							7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM							10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI							13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph							19
21 Throttle Travel-Auto., VS, Levtr							20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.							22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM							24
26 Calibration Flow							25
27 Check Point (1) PSI @ RPM							26
28 Check Point (1) Flow							27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring							32
34 Idle Plunger Code - Part No.							33
35 Fuel Pump Housing							34
36 Auto. Idle Spring							35
37 Auto. Gov. Spring - Ref. Shims							36
38 Gear Pump Size In.			1.250	1.250		1.250	37
39 Auto. Gov. Weights							38
40 Auto. Gov. Plunger							39
41 Torque Spring - Shims - Gage Height							40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1991 CARB	1991 CARB	1991 CARB		1991 CARB	1991 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	N14-330-E	N14-330-E	N14-310-E	N14-410-E	N14-350-E	N14-370-E	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) FOR SELECT ONLY. SC 1722 (D). SUPERSEDED BY FC 6733.
 (2) FOR SELECT ONLY. SC 1723 (4D). SUPERSEDED BY FC 6734.
 (3) FOR SELECT ONLY. SC 1724 (4D). SUPERSEDED BY FC 6735.
 (4) FOR SELECT ONLY. SC 1717 (2D AUSTRALIAN) SUPERSEDED BY FC 6737.
 (5) FOR SELECT ONLY. SC 1721 (4D). SUPERSEDED BY FC 6732.
 (6) FOR SELECT ONLY. SC 1719 (4D). SUPERSEDED BY FC 6730.

1 Pump Code	6729-A	6730-A	6731-A	6732-A	6733-A	6734-A	1
2 Date - Control Parts List	APR92 - 1533	APR92 - 1534	APR92 - 1535	APR92 - 1535	APR92 - 1536	APR92 - 1537	2
3 Test HP @ RPM	359 - 381 @ 1600	359 - 381 @ 1600	340 - 361 @ 1600	340 - 361 @ 1600	320 - 340 @ 1600	320 - 340 @ 1600	3
4 Governed Speed-RPM	2100	1800	1800	1800	2100	1800	4
5 Engine Fuel PSI	148 - 177	148 - 177	148 - 177	148 - 177	148 - 177	148 - 177	5
6 Fuel Rate Pound Per Hour	118 - 127	118 - 127	110 - 117	110 - 117	104 - 111	104 - 111	6
7 Intake Manifold Press. In./Hg	40 - 48	40 - 48	37 - 45	37 - 45	32 - 40	32 - 40	7
8 Torque Rise % - Curve							8
9 Torque Peak - PSI @ RPM	140 - 170 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph							20
21 Throttle Travel-Auto., VS, Lev							21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.							23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM							25
26 Calibration Flow							26
27 Check Point (1) PSI @ RPM							27
28 Check Point (1) Flow							28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring							33
34 Idle Plunger Code - Part No.							34
35 Fuel Pump Housing							35
36 Auto. Idle Spring							36
37 Auto. Gov. Spring - Ref. Shims		1.250					37
38 Gear Pump Size In.							38
39 Auto. Gov. Weights							39
40 Auto. Gov. Plunger							40
41 Torque Spring - Shims - Gage Height							41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1991 CARB	1991 CARB	1991 CARB	1991 CARB	1991 CARB	1991 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	MOD N14-370-E	N14-370-E	N14-350-E	N14-350-E	N14-330-E	N14-330-E	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) FOR SELECT ONLY. SC 1726 (4D).
 (2) FOR SELECT ONLY. SC 1727 (4D).
 (3) FOR SELECT ONLY. SC 1728 (4D).
 (4) FOR SELECT ONLY. SC 1729 (RYDER TC).
 (5) FOR SELECT ONLY. SC 1730 (4D).
 (6) FOR SELECT ONLY. SC 1731 (4D).

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6735-A - 6740-A

1 Pump Code	6735-A	6738-A	6737-A	6738-A	6739-A	6740-A	1
2 Date - Control Parts List	APR92 - 1538	NOV91 - 1540	MAY92 - 1548	MAY92 - 1548	MAY92 - 1548	MAY92 - 1548	2
3 Test HP @ RPM	301 - 319 @ 1600	320 - 340 @ 1600	394 - 422 @ 1600	446 - 474 @ 1600	417 - 443 @ 1600	359 - 381 @ 1600	3
4 Governed Speed-RPM	1800						4
5 Engine Fuel PSI	148 - 177						5
6 Fuel Rate Pound Per Hour	98 - 105						6
7 Intake Manifold Press. In./Hg	30 - 38						7
8 Torque Rise % - Curve							8
9 Torque Peak - PSI @ RPM	140 - 170 @ 1200						9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph							20
21 Throttle Travel-Auto., VS, Lever							21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.							23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM							25
26 Calibration Flow							26
27 Check Point (1) PSI @ RPM							27
28 Check Point (1) Flow							28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring							33
34 Idle Plunger Setting - Part No.							34
35 Fuel Pump Housing							35
36 Auto. Idle Spring							36
37 Auto. Gov. Spring - Ref. Shims							37
38 Gear Pump Size In.	1.250		1.250	1.250	1.250	1.250	38
39 Auto. Gov. Weights							39
40 Auto. Gov. Plunger							40
41 Torque Spring - Shims - Gage Height							41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1991 CARB	1991 CARB					62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-310-E	N14-330-E	N14-410-E	N14-460-E	N14-430-E	N14-370-E	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) FOR CELECT ONLY. SC 1732 (4D).
 (2) SC 1733 (4D). SUPERSEDED BY FC 6734.
 (3) FOR CELECT ONLY. SC 1736 (2D AUSTRALIAN).
 (4) FOR CELECT ONLY. SC 1734 (2D AUSTRALIAN).
 (5) FOR CELECT ONLY. SC 1735 (2D AUSTRALIAN).
 (6) FOR CELECT ONLY. SC 1737 (2D AUSTRALIAN).

1 Pump Code	6741-A	6742-A	6743-A	6744-A	6745-A	6746-A	
2 Date - Control Parts List	APR92 - 1384	APR92 - 1385	APR92 - 1386	APR92 - 1386	APR92 - 1386	APR92 - 1386	1
3 Test HP @ RPM	446 - 474 @ 1700	417 - 443 @ 1700	417 - 443 @ 1700	446 - 474 @ 1700	417 - 443 @ 1700	417 - 443 @ 1700	2
4 Governed Speed-RPM	2100	2100	1800	2100	2100	1800	3
5 Engine Fuel PSI	148 - 177	148 - 177	148 - 177	147 - 177	147 - 182	147 - 182	4
6 Fuel Rate Pound Per Hour	152 - 163	141 - 151	141 - 151	152 - 162	143 - 151	142 - 151	5
7 Intake Manifold Press. In./Hg	51 - 61	49 - 57	49 - 57	52 - 62	50 - 58	49 - 57	6
8 Torque Rise % - Curve	9 -			9 -			7
9 Torque Peak - PSI @ RPM	140 - 170 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	140 - 175 @ 1200	140 - 175 @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM							10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI							13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph							19
21 Throttle Travel-Auto., VS, Levr							20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.							22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM							24
26 Calibration Flow							25
27 Check Point (1) PSI @ RPM							26
28 Check Point (1) Flow							27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring							32
34 Idle Plunger Code - Part No.							33
35 Fuel Pump Housing							34
36 Auto. Idle Spring							35
37 Auto. Gov. Spring - Ref. Shims							36
38 Gear Pump Size In.	1.250	1.250	1.250	1.250	1.250	1.250	37
39 Auto. Gov. Weights							38
40 Auto. Gov. Plunger							39
41 Torque Spring - Shims - Gage Height							40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1991 CARB	1991 CARB	1991 CARB	1992 CARB	1992 CARB	1992 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	N14-460-E	N14-430-E	N14-430-E	N14-460-E	N14-430-E	N14-430-E	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)				66

NOTES

- (1) FOR SELECT ONLY. SC 1738 (4D).
 (2) FOR SELECT ONLY. SC 1739 (4D).
 (3) FOR SELECT ONLY. SC 1740 (4D).

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6747-A - 6753-A

1 Pump Code	6747-A	6748-A	6749-A	6751-A	6752-A	6753-A	1
2 Date - Control Parts List	MAR93 - 1573	MAR93 - 1573	MAR93 - 1573	MAR93 - 1574	MAR93 - 1574	MAR93 - 1574	2
3 Test HP @ RPM	398 - 422 @ 1600	359 - 381 @ 1600	359 - 381 @ 1600	340 - 361 @ 1600	340 - 361 @ 1600	320 - 340 @ 1600	3
4 Governed Speed-RPM	2100	2100	1800	1800	1800	2100	4
5 Engine Fuel PSI	147 - 182	147 - 182	147 - 182	147 - 182	147 - 182	147 - 182	5
6 Fuel Rate Pound Per Hour	133 - 141	117 - 125	118 - 126	111 - 118	111 - 118	104 - 110	6
7 Intake Manifold Press. In./Hg	46 - 54	39 - 47	38 - 48	35 - 43	35 - 43	32 - 40	7
8 Torque Rise % - Curve							8
9 Torque Peak - PSI @ RPM	140 - 175 @ 1200	140 - 175 @ 1200	140 - 175 @ 1200	140 - 175 @ 1200	140 - 175 @ 1200	140 - 175 @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph							20
21 Throttle Travel-Auto., VS, Lev							21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.							23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM							25
26 Calibration Flow							26
27 Check Point (1) PSI @ RPM							27
28 Check Point (1) Flow							28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring							33
34 Idle Plunger Code - Part No.							34
35 Fuel Pump Housing							35
36 Auto. Idle Spring							36
37 Auto. Gov. Spring - Ref. Shims							37
38 Gear Pump Size In.	1.250	1.250	1.250	1.250	1.250		38
39 Auto. Gov. Weights							39
40 Auto. Gov. Plunger							40
41 Torque Spring - Shims - Gage Height							41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	1992 CARB	1992 CARB	1992 CARB	1992 CARB	1992 CARB	1992 CARB	61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-410-E	N14-370-E	N14-370-E	N14-350-E	N14-350-E	N14-330-E	66
67 Notes							67

NOTES

1 Pump Code	6754-A	6755-A	6756-A	6757-A	6758-A	6759-A	1
2 Date - Control Parts List	MAR93 - 1574	JUN93 - 1574	MAR93 - 1575	MAR93 - 1575	MAR93 - 1575	MAR93 - 1575	2
3 Test HP @ RPM	320 - 340 @ 1600	301 - 319 @ 1600	446 - 474 @ 1700	417 - 443 @ 1700	398 - 422 @ 1600	359 - 381 @ 1600	3
4 Governed Speed-RPM	1800	1800					4
5 Engine Fuel PSI	147 - 182	147 - 182	147 - 177	147 - 177	147 - 177	147 - 177	5
6 Fuel Rate Pound Per Hour	105 - 111	98 - 105	153 - 163	140 - 148	130 - 138	115 - 123	6
7 Intake Manifold Press. In./Hg	32 - 40	29 - 37	49 - 57	45 - 53	42 - 50	34 - 42	7
8 Torque Rise % - Curve			9 -				8
9 Torque Peak - PSI @ RPM	140 - 175 @ 1200	140 - 175 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph							20
21 Throttle Travel-Auto., VS, Levr							21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.							23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM							25
26 Calibration Flow							26
27 Check Point (1) PSI @ RPM							27
28 Check Point (1) Flow							28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring							33
34 Idle Plunger Code - Part No.							34
35 Fuel Pump Housing							35
36 Auto. Idle Spring							36
37 Auto. Gov. Spring - Ret. Shims							37
38 Gear Pump Size In.		1.250	1.250	1.250	1.250	1.250	38
39 Auto. Gov. Weights							39
40 Auto. Gov. Plunger							40
41 Torque Spring - Shims - Gage Height							41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1992 CARB	1992 CARB					62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-330-E	N14-310-E	N14-460-E	N14-430-E	N14-410-E	MOD N14-370-E	66
67 Notes							67

NOTES

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6760-A - 6765-A

1 Pump Code	6760-A	6761-A	6762-A	6763-A	6764-A	6765-A	1
2 Date - Control Parts List	MAR93 - 1580	MAR93 - 1580	MAR93 - 1583	MAR93 - 1583	MAR93 - 1583	MAR93 - 1583	2
3 Test HP @ RPM	446 - 474 @ 1700	417 - 443 @ 1700	446 - 474 @ 1600	417 - 443 @ 1600	394 - 422 @ 1600	359 - 381 @ 1600	3
4 Governed Speed-RPM	2100	2100	1900	1900	1900	1900	4
5 Engine Fuel PSI	147 - 182	147 - 182	147 - 182	147 - 182	147 - 182	147 - 182	5
6 Fuel Rate Pound Per Hour	153 - 163	140 - 148	153 - 163	140 - 148	130 - 138	115 - 123	6
7 Intake Manifold Press. In./Hg	49 - 57	45 - 53	49 - 57	45 - 53	42 - 50	34 - 42	7
8 Torque Rise 4% - Curve							8
9 Torque Peak - PSI @ RPM	140 - 175 @ 1200	140 - 175 @ 1200	140 - 175 @ 1200	140 - 175 @ 1200	140 - 175 @ 1200	140 - 175 @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph							20
21 Throttle Travel-Auto., VS, Levr							21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.							23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM							25
26 Calibration Flow							26
27 Check Point (1) PSI @ RPM							27
28 Check Point (1) Flow							28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring							33
34 Idle Plunger Code - Part No.							34
35 Fuel Pump Housing							35
36 Auto. Idle Spring							36
37 Auto. Gov. Spring - Ref. Shims							37
38 Gear Pump Size In.	1.250	1.250	1.250	1.250	1.250	1.250	38
39 Auto. Gov. Weights							39
40 Auto. Gov. Plunger							40
41 Torque Spring - Shims - Gage Height							41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1992 CARB	1992 CARB					62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-460-E	N14-430-E	N14-460-E	N14-430-E	N14-410-E	N14-370-E	66
67 Notes							67

NOTES

1 Pump Code	6766-A	6767-A	6768-A	6769-A	6770-A	6771-A	1
2 Date - Control Parts List	JUN93 - 1574	NOV92 - 1649	APR93 - 1574	MAR93 - 1583	MAR93 - 1583	MAR93 - 1583	2
3 Test HP @ RPM	301 - 319 @ 1600	291 - 309 @ 1570	340 - 361 @ 1600	359 - 381 @ 1600	394 - 422 @ 1600	359 - 381 @ 1600	3
4 Governed Speed-RPM	1680	1600	2100	1700	1700	1700	4
5 Engine Fuel PSI	147 - 182	147 - 182	147 - 182	147 - 182	147 - 182	147 - 182	5
6 Fuel Rate Pound Per Hour	100 - 106	96 - 102	111 - 118	115 - 123	130 - 138	115 - 123	6
7 Intake Manifold Press. In./Hg	29 - 37	28 - 36	35 - 43	34 - 42	42 - 50	34 - 42	7
8 Torque Rise % - Curve							8
9 Torque Peak - PSI @ RPM	140 - 175 @ 1200	140 - 175 @ 1100	140 - 175 @ 1200	140 - 175 @ 1200	140 - 175 @ 1200	140 - 175 @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph							20
21 Throttle Travel-Auto., VS, Lev							21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.							23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM							25
26 Calibration Flow							26
27 Check Point (1) PSI @ RPM							27
28 Check Point (1) Flow							28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring							33
34 Idle Plunger Code - Part No.							34
35 Fuel Pump Housing							35
36 Auto. Idle Spring							36
37 Auto. Gov. Spring - Ref. Shims	1.250		1.250	1.250	1.250	1.250	37
38 Gear Pump Size In.							38
39 Auto. Gov. Weights							39
40 Auto. Gov. Plunger							40
41 Torque Spring - Shims - Gage Height							41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1992 CARB	1992 CARB	1993 CARB				62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-310-E	N14-300-E	N14-350-E	N14-370-E	N14-410-E	N14-370-E	66
67 Notes							67

NOTES

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 6772-A - 6777-A

1 Pump Code	6772-A	6773-A	6774-A	6775-A	6776-A	6777-A	1
2 Date - Control Parts List	MAR93 - 1583	MAR93 - 1548	FEB93 - 1573	FEB93 - 1573	FEB93 - 1580	FEB93 - 1573	2
3 Test HP @ RPM	394 - 422 @ 1600	394 - 422 @ 1600	359 - 381 @ 1600	398 - 422 @ 1600	417 - 443 @ 1700	417 - 443 @ 1700	3
4 Governed Speed-RPM	1700	1700	2100	2100	2100	2100	4
5 Engine Fuel PSI	147 - 182	150 - 180	147 - 182	147 - 182	147 - 182	147 - 182	5
6 Fuel Rate Pound Per Hour	130 - 138	129 - 141	117 - 125	133 - 141	140 - 148	143 - 151	6
7 Intake Manifold Press. In./Hg	42 - 50	43 - 51	39 - 47	46 - 54	45 - 53	50 - 58	7
8 Torque Rise % - Curve							8
9 Torque Peak - PSI @ RPM	140 - 175 @ 1200	140 - 170 @ 1200	140 - 175 @ 1200	140 - 175 @ 1200	140 - 175 @ 1200	140 - 175 @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph							20
21 Throttle Travel-Auto., VS, Lev							21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.							23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM							25
26 Calibration Flow							26
27 Check Point (1) PSI @ RPM							27
28 Check Point (1) Flow							28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring							33
34 Idle Plunger Code - Part No.							34
35 Fuel Pump Housing							35
36 Auto. Idle Spring							36
37 Auto. Gov. Spring - Ref. Shims	1.250	1.250	1.250	1.250	1.250	1.250	37
38 Gear Pump Size In.							38
39 Auto. Gov. Weights							39
40 Auto. Gov. Plunger							40
41 Torque Spring - Shims - Gage Height							41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Ser with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency			1993 CARB	1993 CARB	1993 CARB	1993 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-410-E	N14-410-E	N14-370-E	N14-410-E	N14-430-E	N14-430-E	66
67 Notes		SEE NOTE (2)					67

NOTES

(2) FOR SELECT ONLY. SC 1736 (2D AUSTRALIAN).

1 Pump Code	6778-B	6778-A	7000-D	7001-C	7002-C	7003-B	
2 Date - Control Parts List	JUN93 - 1831	MAY93 - 1573	MAY93 - 1405	MAY93 - 1380	MAY93 - 1374	MAY93 - 1374	1
3 Test HP @ RPM	446 - 474 @ 1700	398 - 422 @ 1600	402 - 418 @ 1600	323 - 337 @ 1600	363 - 377 @ 1600	343 - 357 @ 1600	2
4 Governed Speed-RPM	2100	2100	1950	1950	1950	1950	3
5 Engine Fuel PSI	147 - 162	147 - 162	147 - 163	113 - 125	138 - 152	126 - 140	4
6 Fuel Rate Pound Per Hour	153 - 163	133 - 141	134 - 140	111 - 115	122 - 128	116 - 120	5
7 Intake Manifold Press. in./Hg	49 - 57	46 - 54	47 - 55	41 - 49	46 - 54	46 - 54	6
8 Torque Rise % - Curve			- 0	- 0	- FR-1615		7
9 Torque Peak - PSI @ RPM	140 - 175 @ 1200	140 - 175 @ 1200	- @ 1200	- @ 1100	- @ 1200	- @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM			1900 - 1950	1900 - 1950	1900 - 1950	1900 - 1950	10
12 VS/Sec. Gov. Setting-RPM			127 - 137 @ 1950	79 - 89 @ 2012	93 - 103 @ 2009	108 - 119 @ 1950	11
13 Cruise Speed-PSI @ RPM			2200 @ 15	2187 @ 15	2197 @ 15	2200 @ 15	12
14 Max. Auto. Gov. Check-RPM @ PSI			2090 @ 15	2087 @ 15	2097 @ 15	2100 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2300 @ 15	2310 @ 15	2290 @ 15	2325 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2190 @ 15	2210 @ 15	2190 @ 15	2225 @ 15	18
20 Throttle Leakage-cc - pph			75 -	75 -	75 -	75 -	19
21 Throttle Travel-Auto., VS, Lever			28, 15 - 2	28, 15 - 2	28, 15 - 2	28, 15 - 2	20
22 Idle Speed PSI @ RPM-Auto.			47 @ 600	46 @ 600	45 @ 600	40 @ 650	21
23 Idle Speed cc @ RPM-Auto.			210 @ 710	210 @ 710	210 @ 710	210 @ 710	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc			@ 710 - 210	@ 710 - 210	@ 710 - 210	@ 710 - 210	23
25 Calibration PSI @ RPM			155 @ 1600	123 @ 1600	145 @ 1600	133 @ 1600	24
26 Calibration Flow			418	369	396	394	25
27 Check Point (1) PSI @ RPM			108 - 114 @ 1200	86 - 93 @ 1100	106 - 113 @ 1200	93 - 99 @ 1200	26
28 Check Point (1) Flow			345	309	340	328	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring			.760 - 143854	.760 - 143854	.790 - 143854	.760 - 143854	32
34 Idle Plunger Code - Part No.			17 - 140417	17 - 140417	15 - 139894	25 - 141631	33
35 Fuel Pump Housing			3892173	3892173	3892173	3892173	34
36 Auto. Idle Spring			3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims			143253 - .080	153235 - .120	153235 - .155	143253 - .070	36
38 Gear Pump Size In.	1.250	1.250	.750	.750	.750	.750	37
39 Auto. Gov. Weights			146437	146437	146437	146437	38
40 Auto. Gov. Plunger			3070740	3070740	3070740	3070740	39
41 Torque Spring - Shims - Gage Height			3053158 - .040 - .540	138792 - .025 - .625	3053158 - .060 - .560	3053158 - .040 - .540	40
42 VS Gov. Max. Spring - Ref. Shims			109690 - .000	109690 - .000	109690 - .000	109690 - .000	41
43 VS Gov. Idle Spring			153240	153240	153240	153240	42
44 VS Gov. Weights			163826	163826	163826	163826	43
45 VS Gov. Plunger			212350	212350	212350	212350	44
46 VS Gov. Sleeve			212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly			3074225	3070591	3070591	3070591	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI			1200 - 26	1100 - 36	1200 - 36	1200 - 36	48
50 AFC Flow - pph			168	188	188	188	49
51 AFC Spring - Gage Height-In.			179826 - .117	179832 - .117	179832 - .117	179832 - .117	50
52 AFC Bias Spring			3071950	3071951	3071704	3071704	51
53 AFC No Air RPM - PSI			1200 - 30	1100 - 40	1200 - 39	1200 - 39	52
54 AFC No Air Flow			184	200	196	196	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1993 CARB		1990 EPA	1990 EPA	1991 CARB	1992 CARB	61
63 Certified Year/Agency			1991 CARB	1991 CARB			62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	N14-460-E	N14-410-E	N14-410	N14-330	N14-370	N14-350	65
67 Notes							66

NOTES

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 7004-B - 7804-B

1 Pump Code	7004-B	7800-B	7801-A	7802-A	7803-B	7804-B	1
2 Date - Control Parts List	MAY93 - 1374	SEP91 - 0633	JUN89 - 0796	DEC87 - 0797	JUN92 - 0832	SEP91 - 0633	2
3 Test HP @ RPM	343 - 357 @ 1600	265 - 275 @ 1800	306 - 324 @ 1800	343 - 357 @ 1800	294 - 306 @ 1800	294 - 306 @ 1800	3
4 Governed Speed-RPM	1950						4
5 Engine Fuel PSI	122 - 134	100 - 110	124 - 137	161 - 177	114 - 126	116 - 128	5
6 Fuel Rate Pound Per Hour	116 - 120	89 - 93	103 - 107	113 - 117	96 - 100	98 - 102	6
7 Intake Manifold Press. In./Hg	44 - 52	25 - 31	26 - 32	30 - 38	29 - 37	28 - 36	7
8 Torque Rise % - Curve	- FR-1638	27 -	25 -	15 -	14 -	14 -	8
9 Torque Peak - PSI @ RPM	- @ 1100						9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM		1830 - 1850	1830 - 1850	1830 - 1850	1830 - 1850	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM	1900 - 1950	1900 - 1950	1900 - 1950	1900 - 1950	1900 - 1950	1900 - 1950	12
13 Cruise Speed-PSI @ RPM	109 - 117 @ 1950						13
14 Max. Auto. Gov. Check-RPM @ PSI	2190 @ 15	2106 @ 15	2106 @ 15	2106 @ 15	2106 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2080 @ 15						15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 15						18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2200 @ 15						19
20 Throttle Leakage-cc - pph	75 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, 16 - 2	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	47 @ 600	31 @ 500	28 @ 500	40 @ 500	26 @ 500	30 @ 500	22
23 Idle Speed cc @ RPM-Auto.	210 @ 710	220 @ 630	210 @ 600	210 @ 620	210 @ 620	220 @ 630	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 710 - 210						24
25 Calibration PSI @ RPM	128 @ 1600	105 @ 1800	112 @ 1300	168 @ 1800	120 @ 1800	122 @ 1800	25
26 Calibration Flow	390	300	314	360	322	325	26
27 Check Point (1) PSI @ RPM	84 - 91 @ 1100	87 - 93 @ 1300	128 - 132 @ 1800	126 - 132 @ 1300	84 - 90 @ 1300	88 - 94 @ 1300	27
28 Check Point (1) Flow	315	274	341	310	267	274	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.760 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141629	37 - 140418	27 - 141632	17 - 140417	42 - 140923	37 - 140418	34
35 Fuel Pump Housing	3892173						35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .110	3052122 - .000	3001147 - .000	143254 - .000	143253 - .000	143254 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040740	3040760	3040760	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138799 - .050 - .600	139588 - .020 -	138800 - .020 -	138800 - .040 -	138797 - .020 -	138802 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims	109690 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	42
43 VS Gov. Idle Spring	153240						43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly	3074225						47
48 AFC In./Hg - PSI		4 - 1.9	4 - 1.9	4 - 1.9	4 - 1.9	4 - 1.9	48
49 AFC RPM - PSI	1100 - 36	1600 - 24	1600 - 17	1600 - 28	1600 - 17	1600 - 24	49
50 AFC Flow - pph	188	122	104	128	104	122	50
51 AFC Spring - Gage Height-In.	179832 - .117	179826 -	179822 -	179822 -	179822 -	179826 -	51
52 AFC Bias Spring	3071951						52
53 AFC No Air RPM - PSI	1100 - 40	1600 - 73	1600 - 65	1600 - 59	1600 - 77	1600 - 73	53
54 AFC No Air Flow	200	245	232	198	255	245	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1992 CARB	1986 EPA	1986 EPA	1986 EPA	1986 EPA	1986 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N-14 350	NTC-300	NTC-315	NTC-350	NTC-300	NTC-300	66
67 Notes		SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (2) USE A 3038668 HSG; REF. USE .030 ON VS GOV. SPRING. REF. USE .350 ON AUTO GOV. SPRING. MIN. GOV. CHECK OF 1943 RPM @ 15 PSI. SET ROADSPEED GOV. TO 1900-1950 WITH AIR ON. SET ROADSPEED GOV. BREAK @ 1600 RPM WITH AIR OFF. ROADSPEED GOV. CHECK OF 1763-1872 RPM @ 15 PSI.
- (3) USE A 3038668 HSG; REF. USE .025 ON VS GOV. SPRING. TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST-589 SETTING + .010. MIN. GOV. CHECK OF 1967 RPM @ 15 PSI. SET ROADSPEED GOV. BREAK TO 1600 RPM WITH AIR OFF. SET TO 1900-1950 WITH AIR ON. ROADSPEED GOV. CHECK OF 1784-1872 RPM @ 15 PSI. SEAL PUMP AFTER CALIBRATION. REPLACED BY FC 7816.
- (4) USE 3038668 HOUSING; MIN. GOVERNOR CHECK OF 1986 RPM @ 15 PSI. REF. ADD .040 TO VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WITH AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK AT 15 PSI 1797-1872
- (5) USE A 3038668 HOUSING; REF. USE .020 ON VS GOVERNOR SPRING; MINIMUM GOVERNOR CHECK OF 1959 RPM AT 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WITH AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1758 TO 1872 RPM AT 15 PSI.
- (6) USE 3038668 FUEL PUMP HOUSING; MINIMUM GOVERNOR CHECK OF 1959 RPM @ 15 PSI. REF. USE .015 ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1680 RPM. WITH AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1847-1966 RPM AT 15 PSI.

1 Pump Code	7805-B	7806-A	7807-B	7808-B	7809-A	7810-B	
2 Date - Control Parts List	DEC87 - 0833	DEC87 - 0813	DEC87 - 0833	DEC87 - 0833	DEC87 - 0675	DEC87 - 0833	1
3 Test HP @ RPM	392 - 408 @ 1900	343 - 357 @ 2100	358 - 372 @ 1800	358 - 372 @ 2100	343 - 357 @ 2100	358 - 372 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	167 - 185	173 - 191	143 - 159	151 - 167	173 - 191	143 - 159	4
6 Fuel Rate Pound Per Hour	132 - 137	120 - 124	119 - 123	125 - 131	120 - 124	119 - 123	5
7 Intake Manifold Press. In./Hg	38 - 46	36 - 44	33 - 41	36 - 44	36 - 44	33 - 41	6
8 Torque Rise % - Curve	20 -	34 -	24 -	45 -	34 -	24 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	2130 - 2150	1830 - 1850	2130 - 2150	2130 - 2150	1830 - 1850	10
12 VS/Sec. Gov. Setting-RPM	2000 - 2050	2200 - 2250	1900 - 1950	2200 - 2250	2200 - 2250	1900 - 1950	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2457 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	2106 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	36 @ 500	35 @ 500	36 @ 500	35 @ 500	35 @ 500	36 @ 500	21
23 Idle Speed cc @ RPM-Auto.	245 @ 630	210 @ 620	245 @ 630	245 @ 630	210 @ 620	245 @ 630	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	176 @ 1900	182 @ 2100	151 @ 1800	159 @ 2100	182 @ 2100	151 @ 1800	24
26 Calibration Flow	542	378	499	516	378	499	25
27 Check Point (1) PSI @ RPM	127 - 134 @ 1300	124 - 131 @ 1300	126 - 132 @ 1300	127 - 133 @ 1300	124 - 131 @ 1300	126 - 132 @ 1300	26
28 Check Point (1) Flow	458	309	455	460	309	455	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	15 - 139894	20 - 141629	12 - 141626	15 - 139894	20 - 141629	12 - 141626	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3001147 - .000	153238 - .000	3051817 - .000	3051817 - .000	153238 - .000	3051817 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040760	3040760	3040750	3040760	3040760	39
41 Torque Spring - Shims - Gage Height	138791 - .030 -	3002056 - .040 -	139588 - .020 -	3002052 - .020 -	3002056 - .040 -	139588 - .020 -	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109687 - .000	109686 - .000	109687 - .000	109687 - .000	109686 - .000	41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	8 - 3.9	4 - 1.9	8 - 3.9	8 - 3.9	4 - 1.9	8 - 3.9	47
49 AFC RPM - PSI	1600 - 66	1600 - 28	1600 - 66	1600 - 66	1600 - 28	1600 - 66	48
50 AFC Flow - pph	306	128	306	128	306	128	49
51 AFC Spring - Gage Height-In.	179828 -	179822 -	179828 -	179828 -	179822 -	179828 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 69	1600 - 59	1600 - 69	1600 - 69	1600 - 59	1600 - 69	52
54 AFC No Air Flow	323	198	323	323	198	323	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1987 EPA	1987 EPA	1987 EPA	1986 EPA	1987 EPA	1987 EPA	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-400	NTC-350	NTC-365	NTC-365	NTC-350	NTC-365	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE A 3042360 ASA; USE A 3038668 HSG.; REF. USE .060 ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2002 RPM AT 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1700 RPM WITH AIR OFF; SET TO 2000-2050 RPM WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1900 TO 1989 RPM AT 15 PSI.
- (2) USE A 3038668 HOUSING. MINIMUM GOVERNOR CHECK OF 2259 RPM AT 15 PSI. REF. USE .030 ON VS GOVERNOR SPRING. REF. USE .155 SHIMS ON AUTO GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WIT AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 2077-2223 RPM AT 15 PSI.
- (3) USE A 3042360 HYD. ASA; USE A 3038668 HSG. MINIMUM GOVERNOR CHECK OF 1993 RPM @ 15 PSI. REF. USE .050 ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WIT AIR OFF, SET TO 1900 TO 1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1804-1872 RPM AT 15 PSI.
- (4) USE A 3042360 HYD. ASA; USE A 3038668 HSG.; MINIMUM GOVERNOR CHECK OF 2266 RPM AT 15 PSI REF. USE .190 ON AUTO GOVERNOR SPRING. REF. USE .030 ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WITH AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 2082 TO 2223 RPM AT 15 PSI.
- (5) USE A 3038668 HOUSING. MINIMUM GOVERNOR CHECK OF 2259 RPM AT 15 PSI. REF. USE .030 ON VS GOVERNOR SPRING. REF. USE .155 SHIMS ON AUTO GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WIT AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 2077-2223 RPM AT 15 PSI.
- (6) USE A 3042360 HYD. ASA; USE A 3038668 HSG. MINIMUM GOVERNOR CHECK OF 1993 RPM @ 15 PSI. REF. USE .050 ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1700 RPM WIT AIR OFF, SET TO 1900 TO 1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1904-1972 RPM AT 15 PSI.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 7811-B - 7816-B

1 Pump Code	7811-B	7812-A	7813-C	7814-A	7815-A	7816-B	1
2 Date - Control Parts List	DEC87 - 0833	DEC87 - 0675	FEB91 - 0821	DEC87 - 0676	DEC87 - 0749	JUN89 - 0796	2
3 Test HP @ RPM	358 - 372 @ 1800	343 - 357 @ 1800	435 - 453 @ 2100	392 - 408 @ 2100	309 - 321 @ 1800	306 - 324 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	143 - 159	161 - 177	199 - 219	172 - 190	124 - 137	124 - 137	5
6 Fuel Rate Pound Per Hour	119 - 123	114 - 118	150 - 156	136 - 142	103 - 107	102 - 106	6
7 Intake Manifold Press. In./Hg	33 - 41	30 - 38	46 - 54	46 - 54	26 - 32	26 - 32	7
8 Torque Rise % - Curve	24 -	15 -	26 -	25 -	25 -	25 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850	1830 - 1850		2130 - 2150	1830 - 1850	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM	1900 - 1950	1900 - 1950	2200 - 2250	2200 - 2250	1900 - 1950	1900 - 1950	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	2106 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	36 @ 500	40 @ 500	35 @ 700	39 @ 500	29 @ 500	29 @ 500	22
23 Idle Speed cc @ RPM-Auto.	245 @ 630	210 @ 620	210 @ 750	210 @ 630	210 @ 600	210 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	151 @ 1800	168 @ 1800	209 @ 2100	181 @ 2100	125 @ 1800	125 @ 1800	25
26 Calibration Flow	499	360	637	505	357	357	26
27 Check Point (1) PSI @ RPM	126 - 132 @ 1300	126 - 132 @ 1300	167 - 174 @ 1500	116 - 122 @ 1300	105 - 112 @ 1300	107 - 113 @ 1300	27
28 Check Point (1) Flow	455	310	568	398	327	332	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	12 - 141626	17 - 140417	12 - 141626	22 - 141630	25 - 141631	25 - 141631	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3051817 - .000	143254 - .000	3004756 - .000	153237 - .000	3053101 - .000	3053101 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040750	3040750	3040750	3040760	3040760	40
41 Torque Spring - Shims - Gage Height	139588 - .020 -	138600 - .040 -	139588 - .040 -	3002053 - .040 -	139588 - .020 -	139588 - .030 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109687 - .000	109686 - .000	109686 - .000	109686 - .000	42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	8 - 3.9	4 - 1.9	8 - 3.9	4 - 1.9	4 - 1.9	4 - 1.9	48
49 AFC RPM - PSI	1600 - 66	1600 - 28	1600 - 61	1600 - 25	1600 - 17	1600 - 17	49
50 AFC Flow - pph	306	128	317	162	104	104	50
51 AFC Spring - Gage Height-In.	179828 -	179822 -	3007692 -	179828 -	179822 -	179822 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 69	1600 - 59	1600 - 49	1600 - 53	1600 - 65	1600 - 65	53
54 AFC No Air Flow	323	198	322	249	232	232	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1987 EPA	1987 EPA	1987 EPA	1987 EPA	1987 EPA	1987 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-365	NTC-350	NTC-444	NTC-400	NTC-315	NTC-315	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE A 3042360 HYD. ASA: USE A 3038668 HSG. MINIMUM GOVERNOR CHECK OF 1993 RPM @ 15 PSI. REF: USE .050 ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1500 RPM WIT AIR OFF, SET TO 1900 TO 1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1704-1772 RPM AT 15 PSI.
- (2) USE 3038668 HOUSING; MIN. GOVERNOR CHECK OF 1986 RPM @ 15 PSI. REF. ADD .040 TO VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1700 RPM. WITH AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK AT 15 PSI 1897-1972
- (3) USE A 3038668 HSG; MIN. GOV. CHECK OF 2302 RPM @ 15 PSI. REF. USE .220 SHIMS ON AUTO GOV. SPRING. REF. USE .035 SHIMS ON VS GOV. SPRING. SET ROADSPEED GOV. BREAK TO 1900 RP WITH AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOV. CHECK OF 2125-2223 RPM @ 15 PSI. SHIM CRUISE SPEED (2250 RPM) RAIL PRESSURE 117-147 PSI.
- (4) USE 3038668 HOUSING; REF. USE .115 SHIMS ON ROADSPEED GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2283 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1700 RPM WIT AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOVERNOR CHECK AT 15 PSI 1893-2023 RPM.
- (5) USE A 3038668 HOUSING; REF. USE .025 ON VS GOVERNOR SPRING. REF: USE .240 ON AUTO GOV. SPRING. MINIMUM GOVERNOR CHECK OF 1967 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WITH AIR OFF; SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1784-1872 RPM AT 15 PSI. REPLACES CODE 7987.
- (6) USE A 3038668 HSG; REF. USE .030 ON VS GOV. SPRING. REF. USE .240 ON AUTO GOV. SPRING. MIN. GOV. CHECK OF 1967 RPM @ 15 PSI. SET ROADSPEED GOV. BREAK TO 1600 RPM W/AIR OFF, SET TO 1900-1950 W/AIR ON. ROADSPEED GOV. CHECK OF 1784-1872 RPM @ 15 PSI. SEAL PUMP AFTER CALIB. REPLACES CODE 7801.

1 Pump Code	7817-B	7818-A	7819-B	7820-A	7821-B	7822-B	1
2 Date - Control Parts List	DEC87 - 0806	DEC87 - 0814	DEC87 - 0833	JUN89 - 0812	DEC87 - 0833	DEC87 - 0833	2
3 Test HP @ RPM	392 - 408 @ 2100	392 - 408 @ 2100	358 - 372 @ 1800	306 - 324 @ 1800	392 - 408 @ 1800	358 - 372 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	182 - 180	172 - 190	143 - 159	124 - 137	167 - 185	151 - 167	5
6 Fuel Rate Pound Per Hour	144 - 150	136 - 142	119 - 123	103 - 107	130 - 136	125 - 131	6
7 Intake Manifold Press. in./Hg	48 - 56	46 - 54	33 - 41	26 - 32	38 - 46	36 - 44	7
8 Torque Rise % - Curve	32 -	25 -	24 -	25 -	14 -	45 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150	1830 - 1850	1830 - 1850	1830 - 1850	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM	2200 - 2250	2200 - 2250	1900 - 1950	1900 - 1950	1900 - 1950	2200 - 2250	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2106 @ 15	2106 @ 15	2106 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	37 @ 500	39 @ 500	36 @ 500	29 @ 500	36 @ 500	35 @ 500	22
23 Idle Speed cc @ RPM-Auto.	220 @ 630	210 @ 630	245 @ 630	210 @ 600	245 @ 630	245 @ 630	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	171 @ 2100	181 @ 2100	151 @ 1800	125 @ 1800	176 @ 1800	159 @ 2100	25
26 Calibration Flow	701	505	499	357	542	516	26
27 Check Point (1) PSI @ RPM	142 - 148 @ 1500	116 - 122 @ 1300	125 - 132 @ 1300	105 - 112 @ 1300	127 - 133 @ 1300	127 - 133 @ 1300	27
28 Check Point (1) Flow	639	398	455	327	456	460	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141629	22 - 141630	12 - 141626	25 - 141631	15 - 139894	15 - 139894	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3053107 - .000	153237 - .000	3051817 - .000	3053101 - .000	143253 - .000	3051817 - .000	37
38 Gear Pump Size in.	1.000	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040750	3040760	3040760	3040760	3040750	40
41 Torque Spring - Shims - Gage Height	139586 - .020	3002053 - .040	139588 - .020	139588 - .020	138797 - .030	3002052 - .020	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109687 - .000	42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC in./Hg - PSI	8 - 3.9	4 - 1.9	8 - 3.9	4 - 1.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 31	1600 - 25	1600 - 66	1600 - 17	1600 - 66	1600 - 66	49
50 AFC Flow - pph	275	162	306	104	306	306	50
51 AFC Spring - Gage Height-in.	3007696 -	179828 -	179828 -	179822 -	179828 -	179828 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 34	1600 - 53	1600 - 69	1600 - 65	1600 - 69	1600 - 69	53
54 AFC No Air Flow	267	249	323	232	323	323	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1987 CARB	1987 EPA	1987 EPA	1987 EPA	1987 EPA	1987 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTCC-400	NTC-400	NTC-365	NTC-315	NTC-400	NTC-365	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- USE A 3057808 HOUSING; USE A 3054993 AIRSIDE ASA. REF. USE .145 ON GOVERNOR SPRING. REF. USE .040 ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2282 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1900 RPM W/IT AIR OFF; SET TO 2200-2250 RPM WITH AIR ON. ROADSPEED GOVERNOR CHECK AT 15 PSI 2102-2223 USE CLASS FIT AFC ASSEMBLY 3041494.
- USE 3038668 HOUSING; REF. USE .115 SHIMS ON ROADSPEED GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2283 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1700 RPM W/IT AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOVERNOR CHECK AT 15 PSI 1893-2023 RPM.
- USE A 3042360 HYD. ASA; USE A 3038668 HSG. MINIMUM GOVERNOR CHECK OF 1993 RPM @ 15 PSI. REF. USE .050 ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1400 RPM W/IT AIR OFF, SET TO 1900 TO 1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1604-1672 RPM AT 15 PSI.
- USE A 3038668 HSG; REF. USE .025 ON VS GOV. SPRING. REF. USE .240 ON AUTO GOV. SPRING. MIN. GOV. CHECK OF 1967 RPM @ 15 PSI. SET ROADSPEED GOV. BREAK TO 1600 RPM W/AIR OFF; SET TO 1900-1950 W/AIR ON. ROADSPEED GOV. CHECK OF 1784-1872 RPM @ 15 PSI. REPLACES CODE 7992. SEAL PUMP AFTER CALIB.
- USE A 3042360 HYD. ASA. USE A 3038668 HOUSING. MINIMUM GOVERNOR CHECK OF 2012 RPM AT 15 PSI REF. USE .030 ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1600 RPM W/IT AIR OFF, SET TO 1900 TO 1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1827-1872 RPM AT 15 PSI.
- USE A 3042360 HYD. ASA; USE A 3038668 HSG.; MINIMUM GOVERNOR CHECK OF 2266 RPM AT 15 PSI REF. USE .190 ON AUTO GOVERNOR SPRING. REF. USE .030 ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1600 RPM. WITH AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1782 TO 1923. RPM AT 15 PSI.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 7823-A - 7828-A

1 Pump Code	7823-A	7824-B	7825-B	7826-B	7827-A	7828-A	1
2 Date - Control Parts List	DEC87 - 0796	JUN89 - 0833	DEC87 - 0833	DEC87 - 0833	DEC87 - 0797	DEC87 - 0797	2
3 Test HP @ RPM	306 - 324 @ 1800	392 - 408 @ 2100	392 - 408 @ 2100	358 - 372 @ 2100	343 - 357 @ 2100	343 - 357 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	124 - 137	175 - 193	175 - 193	151 - 167	173 - 191	173 - 191	5
6 Fuel Rate Pound Per Hour	102 - 106	137 - 143	137 - 143	125 - 131	119 - 123	119 - 123	6
7 Intake Manifold Press. In./Hg	26 - 32	40 - 48	40 - 48	36 - 44	36 - 44	36 - 44	7
8 Torque Rise % - Curve	25 -	32 -	32 -	45 -	34 -	34 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM	1900 - 1950	2200 - 2250	2200 - 2250	2200 - 2250	2200 - 2250	2200 - 2250	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	29 @ 500	35 @ 500	35 @ 500	35 @ 500	35 @ 500	35 @ 500	22
23 Idle Speed cc @ RPM-Auto.	210 @ 600	245 @ 630	245 @ 630	245 @ 630	210 @ 620	210 @ 620	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	125 @ 1800	184 @ 2100	184 @ 2100	159 @ 2100	182 @ 2100	182 @ 2100	25
26 Calibration Flow	357	561	561	516	378	378	26
27 Check Point (1) PSI @ RPM	107 - 113 @ 1300	127 - 134 @ 1300	127 - 134 @ 1300	127 - 133 @ 1300	124 - 131 @ 1300	124 - 131 @ 1300	27
28 Check Point (1) Flow	332	461	461	460	309	309	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	. - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	25 - 141631	15 - 139894	15 - 139894	15 - 139894	20 - 141629	20 - 141629	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3053101 - .000	143253 - .000	143253 - .000	3051817 - .000	153238 - .000	153238 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040750	3040760	3040750	3040760	3040760	40
41 Torque Spring - Shims - Gage Height	139588 - .030 -	3002047 - .015 -	3002047 - .015 -	3002052 - .020 -	3002056 - .040 -	3002056 - .040 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109687 - .000	109687 - .000	109687 - .000	109687 - .000	109687 - .000	42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	4 - 1.9	8 - 3.9	8 - 3.9	8 - 3.9	4 - 1.9	4 - 1.9	48
49 AFC RPM - PSI	1600 - 17	1600 - 66	1600 - 66	1600 - 66	1600 - 28	1600 - 28	49
50 AFC Flow - pph	104	306	306	306	128	128	50
51 AFC Spring - Gage Height-In.	179822 -	179828 -	179828 -	179828 -	179822 -	179822 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 65	1600 - 69	1600 - 69	1600 - 69	1600 - 59	1600 - 59	53
54 AFC No Air Flow	232	323	323	323	198	198	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1987 EPA	1987 EPA	1987 EPA	1987 EPA	1987 EPA	1987 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-315	NTC-400	NTC 400	NTC-365	NTC-350	NTC-350	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE A 3038668 HOUSING; REF. USE .030 ON VS GOVERNOR SPRING. REF. USE .240 ON AUTO GOV. SPRING. MINIMUM GOVERNOR CHECK OF 1967 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1500 RPM WITH AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1684-1772 RPM @ 15 PSI. SEAL PUMP AFTER CALIBRATION.
- (2) USE A 3042360 HYD. ASA; USE A 3038668 HSG. MIN. GOV. CHECK OF 2282 RPM @ 15 PSI. REF. USE .030 ON VS GOVERNOR SPRING. REF. USE .145 ON AUTO GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WITH AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOV. CHECK @ 15 PSI 2101-2223 RPM.
- (3) USE A 3042360 HYD. ASA; USE A 3038668 HOUSING. MINIMUM GOVERNOR CHECK OF 2282 RPM AT 15 PSI. REF. USE .030 ON VS GOV. SPR. REF. USE .145 ON AUTO GOVERNOR SPRING. SET ROADSPEED GOV. BREAK TO 1800 RPM WITH AI OFF; SET TO 2200-2250 WITH AIR ON. ROADSPEED GOV. CHECK @ 15 PSI 2001-2123 RPM.
- (4) USE A 3042360 HYD. ASA; USE A 3038668 HSG.; MINIMUM GOVERNOR CHECK OF 2266 RPM AT 15 PSI REF. USE .190 ON AUTO GOVERNOR SPRING. REF. USE .030 ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1700 RPM WITH AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1882 TO 2023 RPM AT 15 PSI.
- (5) USE A 3038668 HOUSING. MINIMUM GOVERNOR CHECK OF 2259 RPM AT 15 PSI. REF. USE .030 ON VS GOVERNOR SPRING. REF. USE .155 SHIMS ON AUTO GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WIT AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 2077-2223 RPM AT 15 PSI.
- (6) USE A 3038668 HOUSING. MINIMUM GOVERNOR CHECK OF 2259 RPM AT 15 PSI. REF. USE .030 ON VS GOVERNOR SPRING. REF. USE .155 SHIMS ON AUTO GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WIT AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1777-1923 RPM AT 15 PSI.

1 Pump Code	7829-A	7830-B	7831-A	7832-B	7833-A	7834-A	1
2 Date - Control Parts List	DEC87 - 0796	FE891 - 0821	DEC87 - 0832	FE891 - 0821	FE888 - 0806	FE888 - 0797	2
3 Test HP @ RPM	306 - 324 @ 2100	435 - 453 @ 2100	294 - 306 @ 2100	435 - 453 @ 2100	435 - 453 @ 2100	343 - 357 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	131 - 145	199 - 219	122 - 134	199 - 219	192 - 212	157 - 173	5
6 Fuel Rate Pound Per Hour	109 - 113	150 - 156	104 - 108	150 - 156	158 - 164	113 - 117	6
7 Intake Manifold Press. In./Hg	31 - 39	46 - 54	35 - 43	46 - 54	53 - 63	30 - 38	7
8 Torque Rise % - Curve	46 -	26 -	33 -	26 -	26 -	15 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150		2130 - 2150		2130 - 2150	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM	2200 - 2250	2200 - 2250	2200 - 2250	2200 - 2250	2200 - 2250	1900 - 1950	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 AS Gov. Setting-PSI @ RPM							16
17 Low AS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lever	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	30 @ 500	35 @ 700	27 @ 500	35 @ 700	37 @ 500	40 @ 500	22
23 Idle Speed cc @ RPM-Auto.	210 @ 600	210 @ 750	210 @ 620	210 @ 750	220 @ 630	210 @ 620	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	138 @ 2100	209 @ 2100	128 @ 2100	209 @ 2100	202 @ 2100	165 @ 1800	25
26 Calibration Flow	355	637	340	637	769	357	26
27 Check Point (1) PSI @ RPM	111 - 117 @ 1300	167 - 174 @ 1500	85 - 92 @ 1300	167 - 174 @ 1500	154 - 161 @ 1500	124 - 131 @ 1300	27
28 Check Point (1) Flow	318	568	275	568	668	309	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141629	12 - 141626	40 - 137370	12 - 141626	17 - 140417	17 - 140417	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3053101 - .000	3004756 - .000	143253 - .000	3004756 - .000	3000934 - .000	143254 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	1.000	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3035817 - .015	139588 - .040	3002047 - .010	139588 - .040	138784 - .000	138800 - .040	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109687 - .000	109687 - .000	109687 - .000	109687 - .000	109686 - .000	42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	4 - 1.9	8 - 3.9	4 - 1.9	8 - 3.9	8 - 3.9	4 - 1.9	48
49 AFC RPM - PSI	1600 - 17	1600 - 61	1600 - 17	1600 - 61	1600 - 31	1600 - 28	49
50 AFC Flow - pph	104	317	104	317	275	128	50
51 AFC Spring - Gage Height-In.	179822 -	3007692 -	179822 -	3007692 -	3007696 -	179822 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 65	1600 - 49	1600 - 53	1600 - 49	1600 - 34	1600 - 59	53
54 AFC No Air Flow	232	322	201	322	267	198	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1987 EPA	1987 EPA	1987 EPA	1987 EPA	1987 CARB	1987 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-315	NTC-444	NTC-300	NTC-444	NTCC-444	NTC-350	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE A 3038668 HOUSING. REF: USE .025 ON VS GOVERNOR SPRING. REF: USE .160 ON AUTO GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2243 RPM @ 15 PSI. SET ROAD SPEED GOVERNOR BREAK TO 1900 RPM W/ AIR OFF; SET TO 2200 TO 2250 WITH AIR ON. ROAD SPEED GOVERNOR CHECK OF 2065 TO 2223 RPM AT 15 PSI. SEAL PUMP AFTER CALIBRATION.
- (2) USE A 3038668 HSG; MIN. GOV. CHECK OF 2302 RPM @ 15 PSI. REF: USE .220 SHIMS ON AUTO GOV. SPRING. REF: USE .035 SHIMS ON VS GOV. SPRING. SET ROAD SPEED GOV. BREAK TO 1500 RPM W/ AIR OFF; SET TO 2200-2250 W/ AIR ON. ROAD SPEED GOV. CHECK OF 1725-1823 RPM @ 15 PSI. SHIM CRUISE SPEED (2250 RPM) RAIL PRESSURE 117-147 PSI.
- (3) USE A 3038668 HOUSING. REF: USE .020 ON VS GOVERNOR SPRING. REF: USE .130 ON AUTO GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2236 RPM @ 15 PSI. SET ROAD SPEED GOVERNOR BREAK TO 1900 RPM W/ AIR OFF; SET TO 2200 TO 2250 WITH AIR ON. ROAD SPEED GOVERNOR CHECK OF 2052 TO 2223 RPM AT 15 PSI.
- (4) USE A 3038668 HSG; MIN. GOV. CHECK OF 2302 RPM @ 15 PSI. REF: USE .220 SHIMS ON AUTO GOV. SPRING. REF: USE .035 SHIMS ON VS GOV. SPRING. SET ROAD SPEED GOV. BREAK TO 1800 RPM W/ AIR OFF; SET TO 2200-2250 W/ AIR ON. ROAD SPEED GOV. CHECK OF 2025-2123 RPM @ 15 PSI. SHIM CRUISE SPEED (2250 RPM) RAIL PRESSURE 117-147 PSI.
- (5) USE A 3057808 HSG.; USE A 3054993 AIR SIDE ASA. REF: USE .140 SHIMS ON AUTO GOV. SPRING REF: USE .035 SHIMS ON VS GOVERNOR SPRING. SHIM CRUISE SPEED (2250 RPM) RAIL PRESSURE 110-140 PSI. MINIMUM GOVERNOR CHECK OF 2302 RPM @ 15 PSI. SET ROAD SPEED GOV. BREAK TO 1800 RPM WITH AIR OFF; SET TO 2200-2250 WITH AIR ON. ROAD SPEED GOVERNOR CHECK OF 2025-2123 RPM AT 15 PSI.
- (6) USE 3038668 HOUSING; MIN. GOVERNOR CHECK OF 1986 RPM @ 15 PSI. REF. ADD .040 TO VS GOVERNOR SPRING. SET ROAD SPEED GOVERNOR BREAK TO 1700 RPM. WITH AIR OFF, SET TO 1900-1950 WITH AIR ON. ROAD SPEED GOVERNOR CHECK AT 15 PSI 1897-1972

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 7835-A - 7840-A

1 Pump Code	7835-A	7836-A	7837-A	7838-A	7839-A	7840-A	1
2 Date - Control Parts List	FEB88 - 0797	MAR88 - 0838	JUN92 - 0827	JAN88 - 0827	JAN88 - 0827	MAR88 - 0838	2
3 Test HP @ RPM	343 - 357 @ 2100	306 - 324 @ 1800	354 - 376 @ 1800	354 - 376 @ 2100	354 - 376 @ 2100	306 - 324 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	171 - 189	127 - 141	138 - 152	145 - 161	145 - 161	127 - 141	5
6 Fuel Rate Pound Per Hour	119 - 123	103 - 107	120 - 124	127 - 133	127 - 133	103 - 107	6
7 Intake Manifold Press. in./Hg	36 - 44	33 - 41	34 - 42	37 - 45	37 - 45	33 - 41	7
8 Torque Rise % - Curve	34 -	25 -	24 -	45 -	45 -	25 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	1830 - 1850	1830 - 1850	2130 - 2150	2130 - 2150	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM	2200 - 2250	1900 - 1950	1900 - 1950	2200 - 2250	2200 - 2250	1900 - 1950	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2050 @ 15	2457 @ 15	2457 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	35 @ 500	38 @ 600	38 @ 500	38 @ 500	38 @ 500	38 @ 600	22
23 Idle Speed cc @ RPM-Auto.	210 @ 620	215 @ 710	210 @ 640	200 @ 640	200 @ 640	215 @ 710	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	180 @ 2100	134 @ 1800	145 @ 1800	153 @ 2100	153 @ 2100	134 @ 1800	25
26 Calibration Flow	376	405	295	291	291	405	26
27 Check Point (1) PSI @ RPM	124 - 131 @ 1300	106 - 113 @ 1300	123 - 130 @ 1300	123 - 130 @ 1300	123 - 130 @ 1300	106 - 113 @ 1300	27
28 Check Point (1) Flow	309	360	272	260	260	360	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141629	25 - 141631	17 - 140417	17 - 140417	17 - 140417	25 - 141631	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	3004755 - .000	3053101 - .000	3053101 - .000	3053101 - .000	3004755 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3002056 - .040 -	3053156 - .085 -	3002053 - .010 -	3002052 - .030 -	3002052 - .030 -	3053156 - .085 -	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109686 - .000	109686 - .000	109687 - .000	109687 - .000	109686 - .000	42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	4 - 1.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 28	1600 - 45	1600 - 42	1600 - 42	1600 - 42	1600 - 45	49
50 AFC Flow - gph	128	230	157	157	157	230	50
51 AFC Spring - Gage Height-In.	179822 -	179830 -	3000592 -	3000592 -	3000592 -	179830 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 59	1600 - 48	1600 - 52	1600 - 52	1600 - 52	1600 - 48	53
54 AFC No Air Flow	198	234	164	164	164	234	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1987 EPA	1987 CARB	1987 CARB	1987 CARB	1987 CARB	1988 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-350	NTC-315	NTC-365	NTC-365	NTC-365	NTC-315	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE A 3038668 HOUSING. MINIMUM GOVERNOR CHECK OF 2259 RPM AT 15 PSI. REF: USE .030 ON VS GOVERNOR SPRING. REF: USE .155 SHIMS ON AUTO GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1800 RPM WIT AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1977-2123 RPM AT 15 PSI.
- (2) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA. REF: USE .125 SHIMS ON AUTO GOVERNOR SPRING. REF: USE .040 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2009 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1789-1872 RPM @ 15 PSI.
- (3) USE A 3038668 HOUSING; USE 3042360 HYD. ASA. MINIMUM GOVERNOR CHECK OF 1994 RPM @ 15 PSI. REF: USE .230 ON AUTO GOVERNOR SPRING. REF: USE .035 SHIMS ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1804-1872 RPM @ 15 PSI.
- (4) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA; MINIMUM GOVERNOR CHECK OF 2266 RPM @ 15 PSI. REF: USE .205 SHIMS ON AUTO GOVERNOR SPRING REF: USE .020 SHIMS ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 2200-2250 RP WITH AIR ON; SET TO 1900 RPM WITH AIR OFF. ROADSPEED GOVERNOR CHECK OF 2091-2223 RPM AT 15 PSI.
- (5) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA. MINIMUM GOVERNOR CHECK OF 2266 RPM @ 15 PSI. REF: USE .205 SHIMS ON AUTO GOVERNOR SPRING REF: USE .020 SHIMS ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 2200-2250 RP WITH AIR ON; SET TO 1700 RPM WITH AIR OFF. ROADSPEED GOVERNOR CHECK OF 1891-2023 RPM AT 15 PSI.
- (6) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA. REF: USE .125 SHIMS ON AUTO GOVERNOR SPRING. REF: USE .040 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2009 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1500 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1689-1772 RPM @ 15 PSI.

1 Pump Code	7841-A	7842-A	7843-B	7844-C	7845-C	7846-E	1
2 Date - Control Parts List	JAN88 - 0827	JAN88 - 0827	AUG91 - 0840	MAY91 - 1185	MAY91 - 1185	MAY91 - 1185	2
3 Test HP @ RPM	354 - 376 @ 2100	388 - 412 @ 1800	343 - 357 @ 1800	358 - 372 @ 2100	358 - 372 @ 2100	358 - 372 @ 1800	3
4 Governed Speed-RPM			1800				4
5 Engine Fuel PSI	145 - 161	163 - 181	143 - 158	145 - 161	145 - 161	138 - 152	5
6 Fuel Rate Pound Per Hour	127 - 133	131 - 137	114 - 118	127 - 133	127 - 133	120 - 125	6
7 Intake Manifold Press. In./Hg	37 - 45	39 - 47	33 - 41	36 - 44	36 - 44	33 - 41	7
8 Torque Rise % - Curve	45 -	14 -	18 -	45 -	45 -	24 -	8
9 Torque Peak - PSI @ RPM			- @ 1300				9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	1830 - 1850	1830 - 1850	2130 - 2150	2130 - 2150	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM	2200 - 2250	1900 - 1950	1900 - 1950	2200 - 2250	2200 - 2250	1900 - 1950	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI			1986 @ 15				15
16 RS Gov. Setting-PSI @ RPM			15 @ 1802 - 1872				16
17 Low RS Gov. Setting-RPM			1600 -				17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	38 @ 500	37 @ 500	33 @ 500				22
23 Idle Speed cc @ RPM-Auto.	200 @ 640	200 @ 640	210 @ 620	200 @ 700	200 @ 700	200 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	153 @ 2100	172 @ 1800	150 @ 1800	153 @ 2100	153 @ 2100	147 @ 1800	25
26 Calibration Flow	291	312	434	291	291	287	26
27 Check Point (1) PSI @ RPM	123 - 130 @ 1300	127 - 134 @ 1300	109 - 115 @ 1300	123 - 130 @ 1300	123 - 130 @ 1300	126 - 132 @ 1300	27
28 Check Point (1) Flow	260	266	370	260	260	266	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	17 - 140417	20 - 141629	22 - 141630	17 - 140417	17 - 140417	17 - 140417	34
35 Fuel Pump Housing			3038668				35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3053101 - .000	143254 - .000	143253 - .000	3053101 - .000	3053101 - .000	3053101 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3002052 - .030 -	138800 - .020 -	138797 - .040 -	3002052 - .030 -	3002052 - .030 -	3002053 - .010 -	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109686 - .000	109686 - .000	109687 - .000	109687 - .000	109686 - .000	42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 42	1600 - 42	1600 - 57	1600 - 34	1600 - 34	1600 - 34	49
50 AFC Flow - gph	157	157	262	123	123	123	50
51 AFC Spring - Gage Height-In.	3000592 -	3000592 -	179830 -	3007694 -	3007694 -	3007694 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 52	1600 - 52	1600 - 58	1600 - 52	1600 - 52	1600 - 52	53
54 AFC No Air Flow	164	164	264	164	164	164	54
55 ASA Valve			3042360				55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1988 CARB	1988 CARB	1989 CARB	1988 CARB	1988 CARB	1988 CARB	62
63 Certified Year/Agency			1991 EPA				63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-365	NTC-400	NTC-350	NTC-365	NTC-365	NTC-365	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA; MINIMUM GOVERNOR CHECK OF 2266 RPM @ 15 PSI. REF.: USE .205 SHIMS ON AUTO GOVERNOR SPRING REF.: USE .020 SHIMS ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 2200-2250 RP WITH AIR ON; SET TO 1800 RPM WITH AIR OFF. ROADSPEED GOVERNOR CHECK OF 1991-2123 RPM. AT 15 PSI.
- (2) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA. REF.: USE .190 SHIMS ON AUTO GOVERNOR SPRING REF.: USE .030 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2012 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1827-1872 RPM AT 15 PSI.
- (3) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA. REF.: USE .105 SHIMS ON AUTO GOVERNOR SPRING REF.: USE .040 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1986 RPM AT 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1802-1872 RPM AT 15 PSI.
- (4) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA; MINIMUM GOVERNOR CHECK OF 2266 RPM @ 15 PSI. REF.: USE .205 SHIMS ON AUTO GOVERNOR SPRING REF.: USE .020 SHIMS ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 2200-2250 RP WITH AIR ON; SET TO 1900 RPM WITH AIR OFF. ROADSPEED GOVERNOR CHECK OF 2091-2223 RPM AT 15 PSI.
- (5) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA. MINIMUM GOVERNOR CHECK OF 2266 RPM @ 15 PSI. REF.: USE .205 SHIMS ON AUTO GOVERNOR SPRING REF.: USE .020 SHIMS ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 2200-2250 RP WITH AIR ON; SET TO 1700 RPM WITH AIR OFF. ROADSPEED GOVERNOR CHECK OF 1891-2023 RPM AT 15 PSI.
- (6) USE A 3038668 HOUSING; USE 3042360 HYD. ASA. MINIMUM GOVERNOR CHECK OF 1994 RPM @ 15 PSI. REF.: USE .230 ON AUTO GOVERNOR SPRING. REF.: USE .035 SHIMS ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1804-1872 RPM @ 15 PSI.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 7847-C - 7852-A

1 Pump Code	7847-C	7848-C	7849-E	7850-A	7851-A	7852-A	
2 Date - Control Parts List	MAY91 - 1185	MAY91 - 1185	MAY91 - 1185	AUG91 - 0838	AUG91 - 0838	AUG91 - 0838	2
3 Test HP @ RPM	358 - 372 @ 2100	392 - 408 @ 1800	358 - 372 @ 1800	309 - 321 @ 1800	309 - 321 @ 1800	294 - 306 @ 1800	3
4 Governed Speed-RPM				1800	1800	1800	4
5 Engine Fuel PSI	145 - 161	163 - 181	138 - 152	127 - 141	127 - 141	117 - 129	5
6 Fuel Rate Pound Per Hour	127 - 133	131 - 137	120 - 125	104 - 108	104 - 108	99 - 103	6
7 Intake Manifold Press. In./Hg	36 - 44	37 - 45	33 - 41	33 - 41	33 - 41	32 - 40	7
8 Torque Rise % - Curve	45 -	14 -	24 -	25 -	25 -	14 -	8
9 Torque Peak - PSI @ RPM				- @ 1300	- @ 1300	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	1830 - 1850	1830 - 1850	1830 - 1850	1830 - 1850	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM	2200 - 2250	1900 - 1950	1900 - 1950	1900 - 1950	1900 - 1950	1900 - 1950	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2106 @ 15	2106 @ 15	2106 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI				2009 @ 15	2009 @ 15	1959 @ 15	15
16 RS Gov. Setting-PSI @ RPM				15 @ 1789 - 1872	15 @ 1689 - 1772	15 @ 1771 - 1872	16
17 Low RS Gov. Setting-RPM				1600 -	1500 -	1600 -	17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.				32 @ 500	32 @ 500	26 @ 500	22
23 Idle Speed cc @ RPM-Auto.	200 @ 700	200 @ 700	200 @ 700	210 @ 620	210 @ 620	210 @ 620	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	153 @ 2100	172 @ 1800	147 @ 1800	134 @ 1800	134 @ 1800	123 @ 1800	25
26 Calibration Flow	291	312	287	405	405	387	26
27 Check Point (1) PSI @ RPM	123 - 130 @ 1300	127 - 134 @ 1300	126 - 132 @ 1300	106 - 113 @ 1300	106 - 113 @ 1300	86 - 93 @ 1300	27
28 Check Point (1) Flow	260	266	266	360	360	323	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	17 - 140417	20 - 141629	17 - 140417	25 - 141631	25 - 141631	37 - 140418	34
35 Fuel Pump Housing				3038668	3038668	3038668	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3053101 - .000	143254 - .000	3053101 - .000	3004755 - .000	3004755 - .000	143253 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3002052 - .030 -	138800 - .020 -	3002053 - .010 -	3053156 - .085 -	3053156 - .085 -	138797 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 34	1600 - 34	1600 - 34	1600 - 45	1600 - 45	1600 - 45	49
50 AFC Flow - pph	123	123	123	230	230	230	50
51 AFC Spring - Gage Height-In.	3007694 -	3007694 -	3007694 -	179830 -	179830 -	179830 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 52	1600 - 52	1600 - 52	1600 - 48	1600 - 48	1600 - 48	53
54 AFC No Air Flow	164	164	164	234	234	234	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	62
63 Certified Year/Agency				1991 EPA	1991 EPA	1991 EPA	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-365	NTC-400	NTC-365	NTC-315	NTC-315	NTC-300	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA; MINIMUM GOVERNOR CHECK OF 2266 RPM @ 15 PSI. REF: USE .205 SHIMS ON AUTO GOVERNOR SPRING REF: USE .020 SHIMS ON VS GOVERNOR SPRING. SET ROADSPED GOVERNOR BREAK TO 2200-2250 RP WITH AIR ON; SET TO 1800 RPM WITH AIR OFF. ROADSPED GOVERNOR CHECK OF 1991-2123 RPM. AT 15 PSI.
- (2) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA. REF: USE .190 SHIMS ON AUTO GOVERNOR SPRING REF: USE .030 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2012 RPM @ 15 PSI. SET ROADSPED GOVERNOR BREAK TO 1800 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPED GOVERNOR CHECK OF 1827-1872 RPM AT 15 PSI.
- (3) USE A 3038668 HOUSING; USE 3042360 HYD. ASA. MINIMUM GOVERNOR CHECK OF 1994 RPM @ 15 PSI. REF: USE .230 ON AUTO GOVERNOR SPRING. REF: USE .035 SHIMS ON VS GOVERNOR SPRING. SET ROADSPED GOVERNOR BREAK TO 1500 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPED GOVERNOR CHECK OF 1704-1772 RPM @ 15 PSI.
- (4) USE A 3038668 HOUSING; REF: USE .125 SHIMS ON AUTO GOVERNOR SPRING. REF: USE .040 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2009 RPM @ 15 PSI. SET ROADSPED GOVERNOR BREAK TO 1600 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPED GOVERNOR CHECK OF 1789-1872 RPM @ 15 PSI. @ 15 PSI.
- (5) USE A 3038668 HOUSING; REF: USE .125 SHIMS ON AUTO GOVERNOR SPRING. REF: USE .040 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2009 RPM @ 15 PSI. SET ROADSPED GOVERNOR BREAK TO 1500 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPED GOVERNOR CHECK OF 1689-1772 RPM @ 15 PSI.
- (6) USE A 3038668 HOUSING; REF: USE .130 SHIMS ON AUTO GOVERNOR SPRING. REF: USE .030 SHIMS ON VS SPRING. MINIMUM GOVERNOR CHECK OF 1959 RPM @ 15 PSI. SET ROADSPED GOVERNOR BREAK TO 1600 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPED GOVERNOR CHECK OF 1771-1872 RPM AT 15 PSI.

1 Pump Code	7853-B	7854-B	7855-B	7856-C	7857-C	7858-D	
2 Date - Control Parts List	MAY91 - 1185	MAY91 - 1185	MAY91 - 1185	MAY91 - 1211	MAY91 - 1211	MAY91 - 1211	1
3 Test HP @ RPM	358 - 372 @ 1800	392 - 408 @ 1800	392 - 408 @ 2100	358 - 372 @ 2100	358 - 372 @ 2100	358 - 372 @ 1800	2
4 Governed Speed-RPM				2100	2100	1800	3
5 Engine Fuel PSI	138 - 152	158 - 175	172 - 190	145 - 161	145 - 161	146 - 162	4
6 Fuel Rate Pound Per Hour	120 - 125	131 - 137	139 - 145	127 - 133	127 - 133	120 - 125	5
7 Intake Manifold Press. In./Hg	33 - 41	37 - 45	39 - 47	36 - 44	36 - 44	33 - 41	6
8 Torque Rise % - Curve	24 -	14 -	32 -	45 -	45 -	24 -	7
9 Torque Peak - PSI @ RPM				- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1830 - 1850	1830 - 1850	2130 - 2150	2130 - 2150	2130 - 2150	1830 - 1850	10
12 VS/Sec. Gov. Setting-RPM	1900 - 1950	1900 - 1950	2200 - 2250	2200 - 2250	2200 - 2250	1900 - 1950	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2106 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI				2266 @ 15	2266 @ 15	1994 @ 15	14
16 RS Gov. Setting-PSI @ RPM				15 @ 2091 - 2223	15 @ 1891 - 2023	15 @ 1804 - 1872	15
17 Low RS Gov. Setting-RPM				1900 -	1700 -	1600 -	16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto. VS. Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	200 @ 700	200 @ 700	200 @ 700	200 @ 700	200 @ 700	200 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	147 @ 1800	167 @ 1800	181 @ 2100	153 @ 2100	153 @ 2100	154 @ 1800	24
26 Calibration Flow	287	310	323	291	291	280	25
27 Check Point (1) PSI @ RPM	126 - 132 @ 1300	125 - 132 @ 1300	126 - 132 @ 1300	123 - 130 @ 1300	123 - 130 @ 1300	131 - 138 @ 1300	26
28 Check Point (1) Flow	266	265	265	260	260	258	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	20 - 141629	20 - 141629	17 - 140417	17 - 140417	12 - 141626	33
35 Fuel Pump Housing				3038668	3038668	3038668	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3053101 - .000	143254 - .000	143253 - .000	3053101 - .000	3053101 - .000	3052122 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3002053 - .010	138800 - .020	3002055 - .045	3002052 - .030	3002052 - .030	3002053 - .035	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109687 - .000	109687 - .000	109687 - .000	109686 - .000	41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	47
49 AFC RPM - PSI	1600 - 34	1600 - 34	1600 - 34	1300 - 30	1300 - 30	1300 - 30	48
50 AFC Flow - pph	123	123	123	108	108	108	49
51 AFC Spring - Gage Height-In.	3007694 -	3007694 -	3007694 -	3007694 -	3007694 -	3007694 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 52	1600 - 52	1600 - 52	1300 - 51	1300 - 51	1300 - 51	52
54 AFC No Air Flow	164	164	164	148	148	148	53
55 ASA Valve				3042360	3042360	3042360	54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	61
63 Certified Year/Agency				1991 EPA	1991 EPA	1991 EPA	62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-365	NTC-400	NTC-400	NTC-365	NTC-365	NTC-365	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE A 3038668 HOUSING; USE 3042360 HYD. ASA. MINIMUM GOVERNOR CHECK OF 1994 RPM @ 15 PSI. REF: USE .230 ON AUTO GOVERNOR SPRING. REF: USE .035 SHIMS ON VS GOVERNOR SPRING. SET ROADSPD GOVERNOR BREAK TO 1700 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPD GOVERNOR CHECK OF 1906-1989 RPM @ 15 PSI.
- (2) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA. REF: USE .190 SHIMS ON AUTO GOVERNOR SPRING. REF: USE .030 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2012 RPM @ 15 PSI. SET ROADSPD GOVERNOR BREAK TO 1700 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPD GOVERNOR CHECK OF 1920-1989 RPM AT 15 PSI.
- (3) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA. REF: USE .115 SHIMS ON AUTO GOVERNOR SPRING. REF: USE .020 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2282 RPM AT 15 PSI. SET ROADSPD GOVERNOR BREAK TO 1900 RPM WIT AIR OFF, SET TO 2200-2250 RPM WITH AIR ON. ROADSPD GOVERNOR CHECK OF 2102-2223 RPM AT 15 PSI.
- (4) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA; MINIMUM GOVERNOR CHECK OF 2266 RPM @ 15 PSI. REF: USE .205 SHIMS ON AUTO GOVERNOR SPRING. REF: USE .020 SHIMS ON VS GOVERNOR SPRING. SET ROADSPD GOVERNOR BREAK TO 2200-2250 RP WITH AIR ON; SET TO 1900 RPM WITH AIR OFF. ROADSPD GOVERNOR CHECK OF 2091-2223 RPM AT 15 PSI.
- (5) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA. MINIMUM GOVERNOR CHECK OF 2266 RPM @ 15 PSI. REF: USE .205 SHIMS ON AUTO GOVERNOR SPRING. REF: USE .020 SHIMS ON VS GOVERNOR SPRING. SET ROADSPD GOVERNOR BREAK TO 2200-2250 RP WITH AIR ON; SET TO 1700 RPM WITH AIR OFF. ROADSPD GOVERNOR CHECK OF 1891-2023 RPM AT 15 PSI.
- (6) USE A 3038668 HOUSING; USE 3042360 HYD. ASA. MINIMUM GOVERNOR CHECK OF 1994 RPM @ 15 PSI. REF: USE .230 ON AUTO GOVERNOR SPRING. REF: USE .020 SHIMS ON VS GOVERNOR SPRING. SET ROADSPD GOVERNOR BREAK TO 1600 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPD GOVERNOR CHECK OF 1804-1872 RPM @ 15 PSI.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 7859-C - 7864-C

1 Pump Code	7859-C	7860-C	7861-C	7862-C	7863-C	7864-C	
2 Date - Control Parts List	MAY91 - 1211	MAY91 - 1211	MAY91 - 1211	MAY91 - 1211	MAY91 - 1211	MAY91 - 1211	1
3 Test HP @ RPM	358 - 372 @ 2100	392 - 408 @ 1800	358 - 372 @ 1800	358 - 372 @ 1800	392 - 408 @ 1800	392 - 408 @ 2100	2
4 Governed Speed-RPM	2100	1800	1800	1800	1800	2100	3
5 Engine Fuel PSI	145 - 161	163 - 181	146 - 162	146 - 162	159 - 175	172 - 190	4
6 Fuel Rate Pound Per Hour	127 - 133	131 - 137	120 - 125	120 - 125	131 - 137	139 - 145	5
7 Intake Manifold Press. In./Hg	36 - 44	37 - 45	33 - 41	33 - 41	37 - 45	39 - 47	6
8 Torque Rise % - Curve	45 -	14 -	24 -	24 -	14 -	32 -	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	1830 - 1850	1830 - 1850	1830 - 1850	1830 - 1850	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM	2200 - 2250	1900 - 1950	1900 - 1950	1900 - 1950	1900 - 1950	2200 - 2250	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2106 @ 15	2106 @ 15	2106 @ 15	2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2266 @ 15	2012 @ 15	1994 @ 15	1994 @ 15	2012 @ 15	2282 @ 15	14
16 RS Gov. Setting-PSI @ RPM	15 @ 1991 - 2123	15 @ 1827 - 1872	15 @ 1704 - 1772	15 @ 1906 - 1989	15 @ 1920 - 1989	15 @ 2102 - 2223	15
17 Low RS Gov. Setting-RPM	1800 -	1600 -	1500 -	1700 -	1700 -	1900 -	16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	200 @ 700	200 @ 700	200 @ 700	200 @ 700	200 @ 700	200 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	153 @ 2100	172 @ 1800	154 @ 1800	154 @ 1800	167 @ 1800	181 @ 2100	24
26 Calibration Flow	291	312	280	280	310	323	25
27 Check Point (1) PSI @ RPM	123 - 130 @ 1300	127 - 134 @ 1300	131 - 138 @ 1300	131 - 138 @ 1300	125 - 132 @ 1300	126 - 132 @ 1300	26
28 Check Point (1) Flow	260	266	258	258	265	265	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	20 - 141629	12 - 141626	20 - 141629	20 - 141629	20 - 141629	33
35 Fuel Pump Housing	3038668	3038668	3038668	3038668	3038668	3038668	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3053101 - .000	143254 - .000	3052122 - .000	3052122 - .000	143254 - .000	143254 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3002052 - .030 -	138800 - .020 -	3002053 - .035 -	3002053 - .035 -	138800 - .020 -	3002055 - .045 -	40
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109687 - .000	41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	47
49 AFC RPM - PSI	1300 - 30	1300 - 30	1300 - 30	1300 - 30	1300 - 30	1300 - 30	48
50 AFC Flow - pph	108	108	108	108	108	108	49
51 AFC Spring - Gage Height-In.	3007694 -	3007694 -	3007694 -	3007694 -	3007694 -	3007694 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1300 - 51	1300 - 51	1300 - 51	1300 - 51	1300 - 51	1300 - 51	52
54 AFC No Air Flow	148	148	148	148	148	148	53
55 ASA Valve	3042360	3042360	3042360	3042360	3042360		54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	61
63 Certified Year/Agency	1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA	62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-365	NTC-400	NTC-365	NTC-365	NTC-400	NTC-400	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA; MINIMUM GOVERNOR CHECK OF 2266 RPM @ 15 PSI. REF: USE .205 SHIMS ON AUTO GOVERNOR SPRING REF: USE .020 SHIMS ON VS GOVERNOR SPRING. SET ROAD SPEED GOVERNOR BREAK TO 2200-2250 RP WITH AIR ON; SET TO 1800 RPM WITH AIR OFF. ROAD SPEED GOVERNOR CHECK OF 1991-2123 RPM. AT 15 PSI.
- (2) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA. REF: USE .190 SHIMS ON AUTO GOVERNOR SPRING REF: USE .030 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2012 RPM @ 15 PSI. SET ROAD SPEED GOVERNOR BREAK TO 1600 RPM WIT AIR OFF; SET TO 1900-1950 WITH AIR ON. ROAD SPEED GOVERNOR CHECK OF 1827-1872 RPM AT 15 PSI.
- (3) USE A 3038668 HOUSING; USE 3042360 HYD. ASA. MINIMUM GOVERNOR CHECK OF 1994 RPM @ 15 PSI. REF: USE .230 ON AUTO GOVERNOR SPRING. REF: USE .020 SHIMS ON VS GOVERNOR SPRING. SET ROAD SPEED GOVERNOR BREAK TO 1500 RPM WIT AIR OFF; SET TO 1900-1950 WITH AIR ON. ROAD SPEED GOVERNOR CHECK OF 1704-1772 RPM @ 15 PSI.
- (4) USE A 3038668 HOUSING; USE 3042360 HYD. ASA. MINIMUM GOVERNOR CHECK OF 1994 RPM @ 15 PSI. REF: USE .230 ON AUTO GOVERNOR SPRING. REF: USE .020 SHIMS ON VS GOVERNOR SPRING. SET ROAD SPEED GOVERNOR BREAK TO 1700 RPM WIT AIR OFF; SET TO 1900-1950 WITH AIR ON. ROAD SPEED GOVERNOR CHECK OF 1906-1989 RPM @ 15 PSI.
- (5) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA. REF: USE .190 SHIMS ON AUTO GOVERNOR SPRING REF: USE .030 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2012 RPM @ 15 PSI. SET ROAD SPEED GOVERNOR BREAK TO 1700 RPM WIT AIR OFF; SET TO 1900-1950 WITH AIR ON. ROAD SPEED GOVERNOR CHECK OF 1920-1989 RPM AT 15 PSI.
- (6) USE A 3038668 HOUSING; USE A 3042360 HYD. AS REF: USE .115 SHIMS ON AUTO GOVERNOR SPRING REF: USE .020 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2282 RPM AT 15 PSI SET ROAD SPEED GOVERNOR BREAK TO 1900 RPM WIT AIR OFF; SET TO 2200-2250 RPM WITH AIR ON. ROAD SPEED GOVERNOR CHECK OF 2102-2223 RPM AT 15 PSI.

1 Pump Code	7865-E	7866-A	7867-A	7868-A	7869-A	7870-A	
2 Date - Control Parts List	MAY91 - 1211	AUG91 - 0838	SEP91 - 1210	AUG91 - 0840	AUG91 - 0840	AUG91 - 0840	1
3 Test HP @ RPM	392 - 408 @ 1800	309 - 321 @ 1800	435 - 453 @ 2100	343 - 357 @ 2100	343 - 357 @ 2100	343 - 357 @ 1900	2
4 Governed Speed-RPM	1800	1800		2100	2100	1900	3
5 Engine Fuel PSI	163 - 181	127 - 141	197 - 217	153 - 169	153 - 169	142 - 156	4
6 Fuel Rate Pound Per Hour	131 - 137	104 - 108	154 - 160	121 - 125	121 - 125	117 - 121	5
7 Intake Manifold Press. In./Hg	37 - 45	33 - 41	49 - 57	36 - 44	36 - 44	34 - 42	6
8 Torque Rise % - Curve	14 -	25 -	26 -	37 -	37 -	24 -	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300		- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1830 - 1850	1830 - 1850	2130 - 2150	2130 - 2150	2130 - 2150	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM	1900 - 1950	1900 - 1950	2200 - 2250	2200 - 2250	2200 - 2250	2000 - 2050	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2223 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2012 @ 15	2009 @ 15		2259 @ 15	2259 @ 15	2076 @ 15	14
16 RS Gov. Setting-PSI @ RPM	15 @ 1733 - 1755	15 @ 1889 - 1972		15 @ 2079 - 2223	15 @ 1988 - 2106	15 @ 1894 - 1989	15
17 Low RS Gov. Setting-RPM	1500 -	1700 -		1900 -	1800 -	1700 -	16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.		32 @ 500	35 @ 500	35 @ 500	35 @ 500	36 @ 500	21
23 Idle Speed cc @ RPM-Auto.	200 @ 700	210 @ 620	220 @ 630	220 @ 630	220 @ 630	220 @ 630	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	172 @ 1800	134 @ 1800	207 @ 2100	161 @ 2100	161 @ 2100	149 @ 1900	24
26 Calibration Flow	312	405	372	439	439	452	25
27 Check Point (1) PSI @ RPM	127 - 134 @ 1300	106 - 113 @ 1300	162 - 169 @ 1500	113 - 119 @ 1300	113 - 119 @ 1300	112 - 119 @ 1300	26
28 Check Point (1) Flow	266	360	327	366	366	392	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	20 - 141629	25 - 141631	20 - 141629	22 - 141630	22 - 141630	25 - 141631	33
35 Fuel Pump Housing	3038668	3038668		3038668	3038668	3038668	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143254 - .000	3004755 - .000	3000934 - .000	143253 - .000	143253 - .000	143254 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	138800 - .020	3053156 - .085	139588 - .020	3002055 - .045	3002055 - .045	139587 - .025	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109687 - .000	109687 - .000	109687 - .000	109686 - .000	41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	47
49 AFC RPM - PSI	1300 - 30	1600 - 45	1600 - 36	1300 - 52	1300 - 52	1300 - 52	48
50 AFC Flow - pph	108	230	142	234	234	234	49
51 AFC Spring - Gage Height-In.	3007694 -	179830 -	3007696 -	179830 -	179830 -	179830 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1300 - 51	1600 - 48	1600 - 47	1300 - 54	1300 - 54	1300 - 54	52
54 AFC No Air Flow	148	234	159	238	238	238	53
55 ASA Valve	3042360			3042360	3042360	3042360	54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1989 CARB	1989 CARB	1989 CARB	61
63 Certified Year/Agency	1991 EPA	1991 EPA		1991 EPA	1991 EPA	1991 EPA	62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-400	NTC-315	NTC-444	NTC-350	NTC-350	NTC-350	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA. REF.: USE .190 SHIMS ON AUTO GOVERNOR SPRING REF.: USE .030 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2012 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1500 RPM WIT AIR OFF; SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1733-1755. AT 15 PSI.
- (2) USE A 3038668 HOUSING; REF.: USE .125 SHIMS ON AUTO GOVERNOR SPRING. REF.: USE .040 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2009 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1700 RPM WIT AIR OFF; SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1889-1972 RPM @ 15 PSI. @ 15 PSI.
- (3) USE A 3057808 HOUSING; USE A CLASS FIT AFC ASSEMBLY 3041494; AIR SIDE ASA 3062159. REF.: USE .090 SHIMS ON AUTO GOVERNOR SPRING REF.: USE .020 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WIT AIR OFF; SET TO 2200-2250 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 2125-2223 RPM AT 15 PSI.
- (4) USE A 3038668 HOUSING; USE A 3042360 HYD. AS REF.: USE .105 SHIMS ON AUTO GOV. SPRING. REF.: USE .025 SHIMS ON VS GOV. SPRING. MINIMUM GOVERNOR CHECK OF 2259 RPM AT 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WIT AIR OFF; SET TO 2200-2250 RPM WITH AIR ON. RD/SPD GOV. CHECK OF 2079-2223 RPM @ 15 PS
- (5) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA; REF.: USE .105 SHIMS ON AUTO GOV. SPRING. REF.: USE .025 SHIMS ON VS GOV. SPRING. MINIMUM GOVERNOR CHECK OF 2259 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1800 RPM WIT AIR OFF; SET TO 2200-2250 RPM WITH AIR ON. ROAD/SPD GOV. CHECK OF 1988-2106 RPM AT 15 PSI.
- (6) USE A 3038668 HOUSING; USE A 3042360 HYD. AS REF.: USE .170 SHIMS ON AUTO GOVERNOR SPRING REF.: USE .060 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2076 RPM AT 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1700 RPM WIT AIR OFF; SET TO 2000-2050 RPM WITH AIR ON. RDSP GOV. CHECK OF 1894-1989 RPM AT 15 PSI.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 7871-C - 7876-A

1 Pump Code	7871-C	7872-A	7873-C	7874-A	7875-C	7876-A	
2 Date - Control Parts List	MAY91 - 1211	AUG91 - 0840	MAY90 - 0838	AUG91 - 0838	JAN91 - 1280	AUG91 - 0838	1
3 Test HP @ RPM	358 - 372 @ 1900	343 - 357 @ 1800	309 - 321 @ 1900	309 - 321 @ 1900	435 - 453 @ 2100	309 - 321 @ 1900	2
4 Governed Speed-RPM	1900	1800		1900	2100	1900	3
5 Engine Fuel PSI	143 - 159	143 - 158		127 - 141	173 - 191	127 - 141	4
6 Fuel Rate Pound Per Hour	123 - 129	114 - 118		107 - 111	156 - 162	107 - 111	5
7 Intake Manifold Press. In./Hg	34 - 42	33 - 41		35 - 43	41 - 49	35 - 43	6
8 Torque Rise % - Curve	31 -	18 -		32 -	26 -	32 -	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300		- @ 1300	- @ 1500	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	1830 - 1850		1930 - 1950	2130 - 2150	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM	2000 - 2050	1900 - 1950		2000 - 2050	2200 - 2250	2000 - 2050	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2106 @ 15		2223 @ 15	2457 @ 15	2223 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2083 @ 15	1986 @ 15		2058 @ 15	2301 @ 15	2058 @ 15	14
16 RS Gov. Setting-PSI @ RPM	15 @ 1900 - 1989	15 @ 1902 - 1972		15 @ 1880 - 1989	15 @ 1825 - 1923	15 @ 1880 - 1989	15
17 Low RS Gov. Setting-RPM	1700 -			1700 -			16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - gph	110 -	110 -		110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -		28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.		33 @ 500		32 @ 500	48 @ 500	35 @ 500	21
23 Idle Speed cc @ RPM-Auto.	200 @ 700	210 @ 620		220 @ 640	220 @ 630	220 @ 640	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	151 @ 1900	150 @ 1800		135 @ 1900	182 @ 2100	135 @ 1900	24
26 Calibration Flow	300	434		405	342	405	25
27 Check Point (1) PSI @ RPM	126 - 133 @ 1300	109 - 115 @ 1300		105 - 112 @ 1300	149 - 157 @ 1500	105 - 112 @ 1300	26
28 Check Point (1) Flow	277	370		358	310	358	27
29 Check Point (2) PSI @ RPM					77 - 89 @ 910		28
30 Check Point (2) Flow					222		29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854		.800 - 143854	.790 - 3074242	.800 - 143854	32
34 Idle Plunger Code - Part No.	15 - 139894	22 - 141630	20 - 141629	20 - 141629	22 - 141630	20 - 141629	33
35 Fuel Pump Housing	3038668	3038668	3068259	3038668	3069255	3069255	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3052122 - .000	143253 - .000	3001146 - .000	3001146 - .000	3000935 - .000	3001146 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3002056 - .030 -	138797 - .040 -	139587 - .040 - .639	139587 - .040 -	3002056 - .015 -	139587 - .040 -	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109687 - .000	109686 - .000	41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC in./Hg - PSI	8 - 3.9	8 - 3.9		8 - 3.9	9 - 4.4		47
49 AFC RPM - PSI	1300 - 30	1600 - 57		1600 - 45	1600 - 73	1300 - 39	48
50 AFC Flow - gph	108	262		230	207	190	49
51 AFC Spring - Gage Height-In.	3007694 -	179830 -		179830 -	3007696 -	179828 -	50
52 AFC Bias Spring					3068170	3051071	51
53 AFC No Air RPM - PSI	1300 - 51	1600 - 58		1600 - 48	1600 - 49	1300 - 43	52
54 AFC No Air Flow	148	264		234	164	205	53
55 ASA Valve	3042360	3042360					54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1989 CARB	1989 CARB	1989 CARB	1989 CARB	1989 CARB	1989 CARB	61
63 Certified Year/Agency	1991 EPA	1991 EPA		1991 EPA	1991 EPA	1991 EPA	62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-365	NTC-350	NTC-315	NTC-315	NTC-444-XT	NTC-315	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- USE A 3038668 HOUSING; USE A 3042360 HYD. AS REF.; USE .260 SHIMS ON AUTO GOV. SPRING; REF: USE .045 SHIMS ON VS GOV. SPRING. MINIMUM GOVERNOR CHECK OF 2083 RPM AT 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1700 RPM WIT AIR OFF; SET TO 2000-2050 RPM WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1900-1989 RPM AT 15 PSI.
- USE A 3038668 HOUSING; USE A 3042360 HYD. ASA. REF: USE .105 SHIMS ON AUTO GOVERNOR SPRING REF: USE .040 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1988 RPM AT 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1700 RPM WIT AIR OFF; SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1902-1972 RPM AT 15 PSI.
- USE A 3068259 HOUSING; USE A CLASS FIT AFC. ASSEMBLY P/N 3058944; USE A 3051071 AFC BIAS SPRING; REF: USE .125 SHIMS ON AUTO GOVERNOR SPRING; REF: USE .045 SHIMS ON VS GOV SPRING MINIMUM GOVERNOR CHECK OF 2058 RPM @ 15 PSI. SET ROADSPEED GOV BREAK TO 1700 RPM WITH AIR OFF; SET TO 2000-2050 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1880-1989 RPM @ 15 PSI.
- USE A 3038668 HOUSING; REF: USE .125 SHIMS ON AUTO GOV. SPRING. REF: USE .045 SHIMS ON VS GOV. SPRING. MINIMUM GOVERNOR CHECK OF 2058 RPM @ 15 PSI. SET ROADSPEED GOV BREAK TO 1700 RPM WITH AIR OFF; SET TO 2000-2050 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1880-1989 RPM @ 15 PSI.
- USE A 3069255 HOUSING; USE A CLASS FIT AFC ASSY P/N 3067834. USE A 3068170 BIAS SPRING MIN. GOVERNOR CHECK OF 2301 RPM @ 15 PSI. REF: USE .145 SHIMS ON AUTO GOVERNOR SPRING REF: USE .020 SHIMS ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WIT AIR OFF; SET TO 2200-2250 WITH AIR ON. ROADSPEED GOV. CK. OF 1825-1923 RPM @ 15 PSI CONTAINS STEEL PRELOADED WT. ASST.
- USE A 3069255 HOUSING; USE A CLASS FIT AFC ASSEMBLY P/N 3058944; USE A 3051071 AFC BIAS SPRING; REF: USE .125 SHIMS ON AUTO GOVERNOR SPRING; REF: USE .050 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2058 RPM @ 15 PSI. SET ROADSPEED GOV. BREAK TO 1700 RPM W/ AIR OFF; SET TO 2000-2050 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1880-1989 RPM AT 15 PSI. THIS CODE REPLACES CODE 7873.

1 Pump Code	7877-C	7878-A	7879-B	7880-B	7881-B	7882-A	
2 Date - Control Parts List	APR91 - 1280	APR90 - 1210	MAY91 - 1211	JUN91 - 1280	JUN91 - 1280	JUN91 - 1280	1
3 Test HP @ RPM	435 - 453 @ 2100	435 - 453 @ 2100	392 - 408 @ 1900	435 - 453 @ 2100	435 - 453 @ 2100	441 - 459 @ 2100	2
4 Governed Speed-RPM	2100		1900	2100	2100	2100	3
5 Engine Fuel PSI	173 - 191	197 - 217	169 - 187	173 - 191	173 - 191	173 - 191	4
6 Fuel Rate Pound Per Hour	156 - 162	154 - 160	132 - 138	156 - 162	156 - 162	158 - 164	5
7 Intake Manifold Press. In./Hg	41 - 49	49 - 57	38 - 46	41 - 49	41 - 49	42 - 50	6
8 Torque Rise % - Curve	26 -	26 -	20 -	26 -	26 -	24 -	7
9 Torque Peak - PSI @ RPM	- @ 1500	- @ 1500	- @ 1300	- @ 1500	- @ 1500	- @ 1500	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2120 - 2140	2130 - 2150	1930 - 1950	2130 - 2150	2130 - 2150	2120 - 2140	10
12 VS/Sec. Gov. Setting-RPM	2200 - 2250	2200 - 2250	2000 - 2050	2200 - 2250	2200 - 2250	2200 - 2250	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2223 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2301 @ 15	2302 @ 15	2101 @ 15	2301 @ 15	2301 @ 15	2301 @ 15	14
16 RS Gov. Setting-PSI @ RPM	15 @ 2100 - 2223	15 @ 2100 - 2223	15 @ 1895 - 1989	15 @ 1825 - 1923	15 @ 2100 - 2223	15 @ 2100 - 2223	15
17 Low RS Gov. Setting-RPM			1700 -	1600 -	1900 -	1900 -	16
18 Max. VS/Sec. Gov. Check-RPM @ PSI			1989 @ 15				17
19 Min. VS/Sec. Gov. Check-RPM @ PSI			1895 @ 15				18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto. VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	48 @ 600	35 @ 500		48 @ 600	48 @ 600	46 @ 600	21
23 Idle Speed cc @ RPM-Auto.	220 @ 710	220 @ 630	200 @ 700	220 @ 710	220 @ 710	220 @ 710	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	182 @ 2100	207 @ 2100	178 @ 1900	182 @ 2100	182 @ 2100	187 @ 2100	24
26 Calibration Flow	344	372	324	342	342	350	25
27 Check Point (1) PSI @ RPM	150 - 157 @ 1500	162 - 169 @ 1500	131 - 137 @ 1300	149 - 157 @ 1500	149 - 157 @ 1500	151 - 158 @ 1500	26
28 Check Point (1) Flow	312	327	276	310	310	314	27
29 Check Point (2) PSI @ RPM	78 - 90 @ 920			78 - 90 @ 920	78 - 90 @ 920	78 - 91 @ 920	28
30 Check Point (2) Flow	218			218	218	219	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.790 - 3074242	.800 - 143854	.800 - 143854	.790 - 3074242	.790 - 3074242	.790 - 3074242	32
34 Idle Plunger Code - Part No.	22 - 141630	20 - 141629	17 - 140417	22 - 141630	22 - 141630	25 - 141631	33
35 Fuel Pump Housing	3069255	3057808	3038668	3069255	3069255	3069255	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3000935 - .155	3000934 - .000	153238 - .100	3000935 - .145	3000935 - .145	3004756 - .115	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3002056 - .015 - .615	139588 - .020 -	3053158 - .090 - .590	3002056 - .015 -	3002056 - .015 -	3053159 - .105 - .605	40
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109687 - .000	109686 - .000	109687 - .020	109687 - .020	109687 - .025	41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3067834	3041494		3067834	3067834	3067834	46
48 AFC In./Hg - PSI	9 - 4.4	8 - 3.9	8 - 3.9	9 - 4.4	9 - 4.4	9 - 4.4	47
49 AFC RPM - PSI	1600 - 73	1600 - 36	1300 - 30	1600 - 73	1600 - 73	1500 - 73	48
50 AFC Flow - pph	207	142	108	207	207	207	49
51 AFC Spring - Gage Height-In.	3007696 - .117	3007696 -	3007694 -	3007696 -	3007696 -	3007696 -	50
52 AFC Bias Spring	3068170			3068170	3068170	3068170	51
53 AFC No Air RPM - PSI	1600 - 49	1600 - 47	1300 - 51	1600 - 49	1600 - 49	1600 - 49	52
54 AFC No Air Flow	164	159	148	164	164	164	53
55 ASA Valve		3061508	3042360				54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1990 CARB	1989 CARB	1990 CARB	1991 EPA	1991 EPA	1991 EPA	61
63 Certified Year/Agency	1991 EPA		1991 EPA				62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-444-XT	NTC-444	NTC-400	NTC-444-XT	NTC-444-XT	NT-444	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE A 3069255 HOUSING; USE A CLASS FIT AFC ASSY. P/N 3067834. USE A 3068170 BIAS SPRING MIN. GOVERNOR CHECK OF 2301 RPM @ 15 PSI. REF: USE .155 SHIMS ON AUTO GOVERNOR SPRING REF: USE .025 SHIMS ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WIT AIR OFF. SET TO 2200-2250 WITH AIR ON. ROADSPEED GOV. CK. OF 2100-2223 RPM @ 15 PSI CONTAINS STEEL PRELOADED WT. ASST.
- (2) USE A 3057808 HOUSING; USE A CLASS FIT AFC ASSEMBLY 3041494; AIR SIDE ASA 3061508. REF: USE .090 SHIMS ON AUTO GOVERNOR SPRING REF: USE .020 SHIMS ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WIT AIR OFF. SET TO 2200-2250 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 2125-2223 RPM @ 15 PSI. THIS CODE TO BE USED WITH TURBO BHT3B REF. FF 122.
- (3) USE A 3038668 HOUSING; USE A 3042360 HYD ASA REF: USE .100 SHIMS ON AUTO GOV. SPRING; REF: USE .040 SHIMS ON VS GOV. SPRING; MINIMUM GOVERNOR CHECK OF 2101 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1700 RPM WIT AIR OFF; SET TO 2000-2050 RPM WITH AIR ON; ROADSPEED GOVERNOR CHECK OF 1895-1989 RPM @ 15 PSI.
- (4) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.
- (5) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.
- (6) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 7883-C - 7904-B

1 Pump Code	7883-C	7900-B	7901-B	7902-C	7903-C	7904-B	1
2 Date - Control Parts List	JUN93 - 1380	FEB78 - 0247	SEP79 - 0217	MAR80 - 0233	MAR80 - 0233	SEP79 - 0217	2
3 Test HP @ RPM	343 - 357 @ 1600	314 - 326 @ 2400	284 - 296 @ 1900	284 - 296 @ 1900	284 - 296 @ 2100	284 - 296 @ 1900	3
4 Governed Speed-RPM	1700						4
5 Engine Fuel PSI	121 - 135	135 - 149		120 - 132	127 - 141	141 - 155	5
6 Fuel Rate Pound Per Hour	118 - 122	116 - 121		104 - 108	109 - 113	108 - 112	6
7 Intake Manifold Press. In./Hg	45 - 56	17 - 23		29 - 37	33 - 41	35 - 43	7
8 Torque Rise % - Curve	- 0	15 - C-3565-A		16 - C-3620-C	28 - CO-3620-B4	16 - C-3624	8
9 Torque Peak - PSI @ RPM	- @ 1100						9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM		2430 - 2450		1930 - 1950	2130 - 2150	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM	1800 - 1850	2500 - 2550		2000 - 2050	2200 - 2250	2000 - 2050	12
13 Cruise Speed-PSI @ RPM	81 - 91 @ 1824						13
14 Max. Auto. Gov. Check-RPM @ PSI	1990 @ 15	2600 @ 40		2115 @ 40	2350 @ 40	2165 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI	1900 @ 15						15
16 RS Gov. Setting-PSI @ RPM	15 @ 1670 - 1750						16
17 Low RS Gov. Setting-RPM	1495 - 1505						17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2400 @ 15						18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2200 @ 15						19
20 Throttle Leakage-cc - pph	75 -	75 -		110 -	110 -	75 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -		28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	45 @ 600	32 @ 500		28 @ 500	38 @ 500	41 @ 500	22
23 Idle Speed cc @ RPM-Auto.	210 @ 710	200 @ 630		170 @ 590	190 @ 600	210 @ 590	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	128 @ 1600	141 @ 2400		132 @ 1900	136 @ 2100	148 @ 1900	25
26 Calibration Flow	379	530		320	335	495	26
27 Check Point (1) PSI @ RPM	68 - 94 @ 1100	99 - 105 @ 1700		93 - 99 @ 1300	97 - 103 @ 1300	104 - 110 @ 1300	27
28 Check Point (1) Flow	312	435		265	275	400	28
29 Check Point (2) PSI @ RPM		48 - 52 @ 1000		62 - 68 @ 1000	68 - 74 @ 1000	68 - 74 @ 1000	29
30 Check Point (2) Flow		270		210	220	310	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.760 - 143854	.840 - 143847		.840 - 143847	.890 - 143847	.805 - 143855	33
34 Idle Plunger Code - Part No.	20 - 141629	30 - 141633	17 - 140417	32 - 141634	37 - 140418	22 - 141630	34
35 Fuel Pump Housing	3070269						35
36 Auto. Idle Spring	3018767	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	153235 - .120	143252 - .000	143253 - .000	143253 - .000	3001147 - .000	143253 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	163826	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040850	AR40130	AR40130	AR40130	AR40130	3010810	40
41 Torque Spring - Shims - Gage Height	138800 - .030 - .580	139585 - .000 -	138782 - .030 -	138783 - .000 -	3002049 - .000 -	138782 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims	3069724 - .020	109688 - .000	70821 - .000	70821 - .000	70821 - .000	70821 - .000	42
43 VS Gov. Idle Spring		70778	70778	70778	70778	70778	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	AR40240	AR40240	AR40240	AR40240	AR40240	45
46 VS Gov. Sleeve	212148	213514	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly	3070591						47
48 AFC In./Hg - PSI				10 - 4.9	12 - 5.8	10 - 4.9	48
49 AFC RPM - PSI	1100 - 36			1600 - 59	1600 - 68	1600 - 57	49
50 AFC Flow - pph	188			199	212	297	50
51 AFC Spring - Gage Height-In.	179832 - .117			179824 -	179824 -	179824 -	51
52 AFC Bias Spring	3071951						52
53 AFC No Air RPM - PSI	1100 - 40			1600 - 58	1600 - 58	1600 - 64	53
54 AFC No Air Flow	200			210	210	315	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1991 CARB	1977 EPA	1977 EPA	1977 EPA	1977 EPA	1977 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-350P	VF-903	NTC-290	NTC-290	NTC-290	NTC-290	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) SET ROADSPEED GOVERNOR BREAK TO 1495-1505. RPM W/AIR OFF; SET TO 1800-1850 RPM W/AIR ON
 (2) AFC REF. +.100 ON VS GOV. SPRING
 (3) REPLACED WITH CODE 7904. REF. ADD +.035 TO VS GOV. SPRING
 (4) REF. +.035 ON VS GOV. SPRING
 (5) REF. +.100 ON VS GOV. SPRING.
 (6) REF. +.065 ON VS GOV. SPRING.

1 Pump Code	7905-E	7906-B	7907-A	7908-D	7909-D	7910-C	
2 Date - Control Parts List	SEP79 - 0322	SEP79 - 0266	JUN78 - 0113	SEP79 - 0322	MAR91 - 0327	SEP79 - 0322	1
3 Test HP @ RPM	250 - 260 @ 2100	343 - 357 @ 1900	230 - 240 @ 2100	265 - 275 @ 1900	343 - 357 @ 1900	284 - 296 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	106 - 118	150 - 170	108 - 124	109 - 121	152 - 168	123 - 137	4
6 Fuel Rate Pound Per Hour	97 - 101	124 - 129	92 - 96	98 - 102	124 - 129	105 - 109	5
7 Intake Manifold Press. In./Hg	29 - 37	31 - 39	23 - 29	29 - 37	30 - 38	31 - 39	6
8 Torque Rise % - Curve	46 - CO-3828-6	10 - CO-3734-7	50 - CO-3273-B2	25 - CO-3828-1	10 - CO-3858-7	16 - C-3828	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	1930 - 1950	2130 - 2150	1920 - 1940	1920 - 1940	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM	2200 - 2250	2000 - 2050	2200 - 2250	2000 - 2050	2000 - 2050	2000 - 2050	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2355 @ 40	2130 @ 40	2350 @ 40	2180 @ 40	2160 @ 40	2125 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	75 -	75 -	75 -	75 -	30 -	75 -	19
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	31 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	38 @ 500	42 @ 500	34 @ 500	36 @ 500	25 @ 500	40 @ 500	21
23 Idle Speed cc @ RPM-Auto.	200 @ 600	200 @ 590	200 @ 570	220 @ 580	120 @ 550	170 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	94 @ 1300	167 @ 1900	89 @ 1200	94 @ 1300	164 @ 1900	132 @ 1900	24
26 Calibration Flow	250	360	350	245	390	315	25
27 Check Point (1) PSI @ RPM	109 - 113 @ 2100	128 - 134 @ 1300	115 - 119 @ 2100	114 - 118 @ 1900	120 - 126 @ 1300	93 - 99 @ 1300	26
28 Check Point (1) Flow	280	315	410	280	325	265	27
29 Check Point (2) PSI @ RPM	82 - 88 @ 1000	92 - 98 @ 1000	84 - 70 @ 1000	63 - 69 @ 1000	100 - 106 @ 1000	68 - 72 @ 1000	28
30 Check Point (2) Flow	195	255	295	190	285	220	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.830 - 143855	.800 - 143855	.900 - 143847	.780 - 143855	.855 - 143847	.800 - 143855	32
34 Idle Plunger Code - Part No.	32 - 141634	12 - 141626	37 - 140418	27 - 141632	10 - 141625	27 - 141632	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3004753 - .000	3001146 - .000	143251 - .000	153235 - .000	143254 - .000	143254 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	AR40130	AR40130	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	3002052 - .000 -	139585 - .000 -	139586 - .000 -	3002058 - .000 -	139586 - .030 -	139584 - .020 -	40
42 VS Gov. Max. Spring - Ref. Shims	70822 - .000	70821 - .000	70821 - .000	70821 - .000	70821 - .000	70821 - .000	41
43 VS Gov. Idle Spring	70778	70778	70778	70778	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	AR40240	AR40240	AR40240	AR40240	AR40240	AR40240	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	8 - 3.9	10 - 4.9		8 - 3.9	10 - 4.9	8 - 3.9	47
49 AFC RPM - PSI	1600 - 64	1600 - 57		1600 - 64	1600 - 83	1600 - 64	48
50 AFC Flow - pph	244	200		244	270	245	49
51 AFC Spring - Gage Height-In.	179826 -	179824 -		179824 -	179824 -	179824 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 51	1600 - 60		1600 - 51	1600 - 53	1600 - 51	52
54 AFC No Air Flow	210	205		210	225	210	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1977 EPA	1977 EPA		1978 EPA	1978 EPA	1978 EPA	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-290	NTC-350	PT-270	NTC-290	NTC-350	NTC-290	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

(1) TMD T.M.D. PARTS: #204 REGULATOR P/N 3003150; REGULATOR SPRING 186997; ST.589 SHIMMING + .020-.060 REF. +.140 ON VS GOVERNOR SPRING

(2) REF. ADD +.080 TO VS GOV. SPRING

(3) TMD; FOR USE WITH CAST WEIGHT CARRIERS ONLY TMD PARTS: #202 REGULATOR P/N 215092; 70691 REGULATOR SPRING; ST.589 SHIMMING + .055 REF. +.130 ON VS GOVERNOR SPRING

(4) TMD REF. .060 SHIMS ON VS GOVERNOR. TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST.589 SHIMMING + .020-.040

(5) USE AIR ASA P/N 3020754 AND AIR ASA TANK P/N 3020753 PER SPT 8375-9. REF. .060 SHIMS ON VS GOVERNOR

(6) REF. +.050 ON VS GOVERNOR SPRING.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 7911-A - 7916-C

1 Pump Code	7911-A	7912-C	7913-E	7914-B	7915-C	7916-C	
2 Date - Control Parts List	OCT78 - 0247	MAR91 - 0327	NOV80 - 0353	AUG79 - 0220	MAR91 - 0327	JAN80 - 0307	1
3 Test HP @ RPM	284 - 296 @ 2200	314 - 326 @ 2100	250 - 260 @ 2100	225 - 235 @ 2100	343 - 357 @ 2100	343 - 357 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	113 - 127	135 - 149	118 - 128	128 - 138	158 - 174	162 - 178	4
6 Fuel Rate Pound Per Hour	104 - 108	117 - 122	98 - 102	86 - 90	127 - 132	126 - 132	5
7 Intake Manifold Press. In./Hg	13 - 19	29 - 37	34 - 42	19 - 25	32 - 40	32 - 40	6
8 Torque Rise % - Curve	15 - CO-3565A10	33 - CO-3858-5	46 - CO-3906-6	40 - CO-3815-A1	22 - C-3858	22 - CO-3824	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2230 - 2250	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM	2300 - 2350	2200 - 2250	2300 - 2350	2300 - 2350	2300 - 2350	2300 - 2350	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2420 @ 40	2360 @ 40	2305 @ 40	2410 @ 40	2395 @ 40	2430 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	75 -	30 -	110 -	75 -	30 -	75 -	19
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	33 @ 500	21 @ 500	40 @ 500	30 @ 500	27 @ 500	33 @ 500	21
23 Idle Speed cc @ RPM-Auto.	225 @ 650	170 @ 530	200 @ 600	190 @ 590	140 @ 550	185 @ 570	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	120 @ 2200	123 @ 1400	91 @ 1300	107 @ 1300	167 @ 2100	175 @ 2100	24
26 Calibration Flow	495	325	260	290	400	365	25
27 Check Point (1) PSI @ RPM	89 - 95 @ 1600	140 - 144 @ 2100	110 - 114 @ 2100	134 - 138 @ 2100	121 - 127 @ 1400	136 - 142 @ 1400	26
28 Check Point (1) Flow	430	355	295	340	335	320	27
29 Check Point (2) PSI @ RPM	43 - 49 @ 1000	83 - 89 @ 1000	59 - 65 @ 1000	76 - 82 @ 1000	89 - 95 @ 1000	88 - 94 @ 1000	28
30 Check Point (2) Flow	290	260	210	235	270	250	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.855 - 143847	.840 - 143847	.800 - 143855	.885 - 143847	.875 - 143847	.840 - 143847	32
34 Idle Plunger Code - Part No.	30 - 141633	20 - 141629	30 - 141633	15 - 139894	20 - 141629	15 - 139894	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	143254 - .000	143253 - .000	143254 - .000	3001146 - .000	143253 - .000	3004755 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	163826	146437	146437	163826	146437	146437	38
40 Auto. Gov. Plunger	AR40130	3010810	3010810	AR40130	3010810	AR40130	39
41 Torque Spring - Shims - Gage Height	139586 - .020 -	3002052 - .000 -	3002052 - .000 -	3002047 - .000 -	3002049 - .020 -	3002052 - .010 -	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	70821 - .000	109686 - .000	109688 - .000	70822 - .000	70822 - .000	41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	AR40240	AR40240	AR40230	AR40240	AR40240	AR40240	44
46 VS Gov. Sleeve	213514	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI		10 - 4.9	8 - 3.9	5 - 2.4	10 - 4.9	12 - 5.8	47
49 AFC RPM - PSI		1600 - 83	1600 - 64	1600 - 75	1600 - 83	1600 - 63	48
50 AFC Flow - pph		270	240	230	270	215	49
51 AFC Spring - Gage Height-In.		179824 -	179824 -	179816 -	179824 -	179824 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI		1600 - 53	1600 - 55	1600 - 88	1600 - 53	1600 - 60	52
54 AFC No Air Flow		225	220	255	225	205	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1978 EPA	1978 EPA	1979 EPA	1978 EPA	1978 EPA	1977 EPA	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	VT-903	NTC-350	NTC-290	NTC-230	NTC-350	NTC-350	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

(1) AFC REF. +.105 ON VS GOVERNOR SPRING

(2) USE AIR ASA P/N 3020754 AND AIR ASA TANK P/N 3020753 PER SPT 83T5-9; TMD TMD PARTS: #204 REGULATOR P/N 3003150; REGULATOR SPRING 186997; ST.589 SHIMMING +.035 REF. +.130 ON VS GOVERNOR SPRING

(3) TMD TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST.589 SETTING +.020-.050 REF. +.120 ON VS GOVERNOR SPRING

(4) TMD TMD PARTS: #201 REGULATOR P/N 202612; 70691 REGULATOR SPRING; ST.589 SHIMMING +.040-.040

(5) USE AIR ASA P/N 3020754 AND AIR ASA TANK P/N 3020753 PER SPT 83T5-9. REF. +.030 ON VS GOVERNOR SPRING.

(6) REF. ADD +.035 TO VS GOVERNOR SPRING

1 Pump Code	7917-D	7918-D	7919-C	7920-C	7921-D	7922-B	1
2 Date - Control Parts List	NOV80 - 0353	MAR87 - 0353	MAY81 - 0407	MAR91 - 0369	MAR91 - 0369	MAY81 - 0354	2
3 Test HP @ RPM	284 - 296 @ 1900	250 - 260 @ 1900	225 - 235 @ 2100	343 - 357 @ 1900B	343 - 357 @ 1900	245 - 255 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	124 - 136	104 - 116	135 - 149	164 - 182	164 - 182	133 - 148	5
6 Fuel Rate Pound Per Hour	104 - 108	92 - 96	86 - 90	122 - 127	122 - 127	92 - 96	6
7 Intake Manifold Press. In./Hg	35 - 43	31 - 39	24 - 30	35 - 43	35 - 43	33 - 41	7
8 Torque Rise % - Curve	16 - C-3906	32 - CO-3906-2	40 -	16 - C-3929	10 - CO-3929-6	36 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	1930 - 1950	2130 - 2150	1930 - 1950	1930 - 1950	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM	2100 - 2150	2100 - 2150	2300 - 2350	2100 - 2150	2100 - 2150	2300 - 2350	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2140 @ 40	2180 @ 40	2355 @ 40	2145 @ 40	2140 @ 40	2315 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	38 @ 500	38 @ 500	34 @ 500	54 @ 500	32 @ 500	36 @ 500	22
23 Idle Speed cc @ RPM-Auto.	200 @ 600	210 @ 590	160 @ 560	190 @ 590	200 @ 600	160 @ 590	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	128 @ 1900	90 @ 1300	115 @ 1300	175 @ 1900	174 @ 1900	139 @ 2100	25
26 Calibration Flow	335	270	295	390	395	300	26
27 Check Point (1) PSI @ RPM	88 - 94 @ 1300	105 - 109 @ 1900	146 - 150 @ 2100	128 - 134 @ 1300	112 - 118 @ 1300	93 - 99 @ 1300	27
28 Check Point (1) Flow	270	300	345	330	300	235	28
29 Check Point (2) PSI @ RPM	60 - 66 @ 1000	61 - 67 @ 1000	80 - 86 @ 1000	97 - 103 @ 1000	87 - 93 @ 1000	72 - 78 @ 1000	29
30 Check Point (2) Flow	210	220	245	280	255	200	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.830 - 143855	.795 - 143855	.840 - 143847	.840 - 143847	.840 - 143847	.860 - 143847	33
34 Idle Plunger Code - Part No.	37 - 140418	27 - 141632	20 - 141629	12 - 141626	20 - 141629	30 - 141633	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	3018767	144195	36
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	153238 - .000	143254 - .000	143254 - .000	153237 - .000	143254 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138781 - .020	3002058 - .000	3002052 - .000	139585 - .010	138780 - .030	3002049 - .030	41
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000	70821 - .000	70822 - .000	70821 - .000	70821 - .000	109687 - .000	42
43 VS Gov. Idle Spring				70778	70778		43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	AR40240	AR40240	AR40240	AR40230	AR40230	AR40230	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	5 - 2.4	4 - 1.9	4 - 1.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 64	1600 - 64	1600 - 75	1600 - 83	1600 - 83	1600 - 75	49
50 AFC Flow - pph	245	245	230	260	260	200	50
51 AFC Spring - Gage Height-In.	179824 -	179824 -	179816 -	179818 -	179818 -	179820 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 55	1600 - 55	1600 - 85	1600 - 43	1600 - 43	1600 - 68	53
54 AFC No Air Flow	220	220	280	175	175	200	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1979 EPA	1979 EPA	1979 EPA	1979 EPA	1979 EPA	1979 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-290	NTC-290	NTC-230	NTC-350	NTC-350	NTC-250	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

(1) REF. +.090 ON VS GOVERNOR SPRING.

(2) TMD TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST.589 SETTING +.030-.080

(3) TMD TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST.589 SHIMMING +.065 REF. USE .055 SHIMS ON VS GOV. SPRING.

(4) USE HYDRAULIC ASA P/N 3020760.

(5) USE HYDRAULIC ASA P/N 3020760. REF. +.110 ON VS GOVERNOR SPRING.

(6) REF. +.055 ON VS GOVERNOR SPRING.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 7923-C - 7928-B

1 Pump Code	7923-C	7924-A	7925-C	7926-B	7927-B	7928-B	1
2 Date - Control Parts List	MAR91 - 0369	MAR87 - 0220	MAR83 - 0353	MAY80 - 0433	MAR87 - 0407	NOV80 - 0353	2
3 Test HP @ RPM	343 - 357 @ 2100B	225 - 235 @ 1900	284 - 296 @ 2100	294 - 306 @ 1900	225 - 235 @ 1900	250 - 260 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	175 - 193	120 - 130	130 - 144	117 - 129	124 - 138	97 - 107	5
6 Fuel Rate Pound Per Hour	128 - 133	82 - 86	109 - 113	103 - 107	82 - 86	90 - 94	6
7 Intake Manifold Press. In./Hg	37 - 45	17 - 23	39 - 47	32 - 40	22 - 28	27 - 35	7
8 Torque Rise % - Curve	28 -	27 -	28 -	21 -	27 -	18 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	1930 - 1950	2130 - 2150	1930 - 1950	1930 - 1950	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM	2300 - 2350	2100 - 2150	2300 - 2350	2100 - 2150	2100 - 2150	1900 - 1950	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2380 @ 40	2175 @ 40	2400 @ 40	2140 @ 40	2175 @ 40	2060 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	75 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	31 @ 500	42 @ 500	28 @ 500	12 @ 500	45 @ 500	28 @ 500	22
23 Idle Speed cc @ RPM-Auto.	190 @ 600	205 @ 590	190 @ 600	100 @ 550	205 @ 590	210 @ 590	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	183 @ 2100	106 @ 1300	138 @ 2100	123 @ 1900	115 @ 1300	89 @ 1300	25
26 Calibration Flow	410	285	365	330	270	275	26
27 Check Point (1) PSI @ RPM	127 - 133 @ 1300	123 - 127 @ 1900	87 - 93 @ 1300	88 - 94 @ 1300	134 - 138 @ 1900	99 - 103 @ 1800	27
28 Check Point (1) Flow	325	315	275	275	300	300	28
29 Check Point (2) PSI @ RPM	100 - 106 @ 1000	77 - 83 @ 1000	71 - 77 @ 1000	63 - 71 @ 1000	82 - 88 @ 1000	66 - 72 @ 1000	29
30 Check Point (2) Flow	280	235	240	235	225	235	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.840 - 143847	.840 - 143847	.840 - 143847	.840 - 143847	.840 - 143847	33
34 Idle Plunger Code - Part No.	12 - 141626	15 - 139894	32 - 141634	37 - 140418	20 - 141629	27 - 141632	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	144195	3018767	3018767	144195	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143254 - .000	143254 - .000	153237 - .000	143253 - .000	143254 - .000	153235 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	AR40130	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	3002049 - .040 -	3002058 - .010 -	3002051 - .000 -	139584 - .000 -	3002058 - .010 -	3002055 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	70821 - .000	109686 - .000	70821 - .000	70821 - .000	70821 - .000	42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	AR40230	AR40240	AR40230	AR40230	AR40230	AR40230	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	4 - 1.9	5 - 2.4	8 - 3.9	6 - 2.9	5 - 2.4	8 - 3.9	48
49 AFC RPM - PSI	1600 - 83	1600 - 81	1600 - 64	1600 - 50	1600 - 75	1600 - 64	49
50 AFC Flow - pph	260	255	245	230	245	245	50
51 AFC Spring - Gage Height-In.	179818 -	179816 -	179824 -	179820 -	179816 -	179824 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 43	1600 - 89	1600 - 55	1600 - 39	1600 - 85	1600 - 55	53
54 AFC No Air Flow	175	260	220	180	280	220	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1979 EPA	1978 EPA	1979 EPA	1980 EPA	1980 EPA	1980 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-350	NTC-230	NTC-290	NTC-300	NTC-230	NTC-290	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE HYDRAULIC ASA P/N 3020760. REF. +.060 ON VS GOVERNOR SPRING.
- (2) TMD T.M.D. PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST.589 SHIMMING +.005 REF. +.080 TO VS GOVERNOR SPRING.
- (3) REF. .130 ON VS GOVERNOR SPRING
- (4) REF. +.060 ON VS GOVERNOR SPRING.
- (5) TMD REF. +.085 ON VS GOVERNOR SPRING. TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST.589 SETTING +.025
- (6) TMD TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST.589 SHIMMING +.040-.100

1 Pump Code	7929-D	7930-C	7931-B	7932-B	7933-D	7934-D	1
2 Date - Control Parts List	MAY80 - 0340	NOV80 - 0354	MAY80 - 0433	MAY80 - 0433	AUG83 - 0471	AUG83 - 0471	2
3 Test HP @ RPM	274 - 286 @ 2100	245 - 255 @ 1900	265 - 275 @ 1800	294 - 306 @ 2100	294 - 306 @ 1900	294 - 306 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	98 - 112	122 - 136	101 - 111	124 - 137	119 - 131	113 - 125	5
6 Fuel Rate Pound Per Hour	98 - 102	87 - 91	90 - 94	108 - 112	103 - 107	100 - 104	6
7 Intake Manifold Press. In./Hg	12 - 18	30 - 38	27 - 33	33 - 41	29 - 37	28 - 36	7
8 Torque Rise % - Curve	14 -	23 -	27 -	33 -	21 -	14 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	1930 - 1950	1830 - 1850	2130 - 2150	1930 - 1950	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM	2200 - 2250	2000 - 2050	1900 - 1950	2200 - 2250	2000 - 2050	1900 - 1950	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2340 @ 40	2130 @ 40	2040 @ 40	2370 @ 40	2145 @ 40	2035 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	75 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	39 @ 500	22 @ 500	26 @ 500	13 @ 500	25 @ 500	29 @ 500	22
23 Idle Speed cc @ RPM-Auto.	230 @ 620	170 @ 590	180 @ 590	100 @ 550	200 @ 580	215 @ 580	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	89 @ 1600	130 @ 1900	93 @ 1300	130 @ 2100	121 @ 1900	118 @ 1800	25
26 Calibration Flow	410	280	290	350	340	330	26
27 Check Point (1) PSI @ RPM	100 - 104 @ 2100	91 - 97 @ 1300	104 - 108 @ 1800	90 - 96 @ 1300	89 - 95 @ 1300	90 - 96 @ 1300	27
28 Check Point (1) Flow	445	225	315	280	285	280	28
29 Check Point (2) PSI @ RPM	43 - 49 @ 1000	63 - 71 @ 1000	69 - 75 @ 1000	68 - 74 @ 1000	67 - 79 @ 1000	69 - 81 @ 1000	29
30 Check Point (2) Flow	270	185	245	235	245	245	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.840 - 143847	.840 - 143847	.840 - 143847	.840 - 143847	.840 - 143847	.840 - 143847	33
34 Idle Plunger Code - Part No.	52 - 139618	40 - 137370	25 - 141631	35 - 140922	37 - 140418	32 - 141634	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143251 - .000	3001147 - .000	143254 - .000	143253 - .000	3004753 - .000	153235 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	3002058 - .000 -	138782 - .000 -	3002053 - .000 -	3002050 - .000 -	139585 - .000 -	139588 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	70821 - .000	70821 - .000	109686 - .000	70821 - .000	70821 - .000	42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	AR40240	AR40230	AR40230	AR40230	AR40230	AR40230	45
46 VS Gov. Sleeve	213514	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	4 - 1.9	8 - 3.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	48
49 AFC RPM - PSI	1900 - 56	1600 - 75	1600 - 80	1600 - 50	1600 - 61	1600 - 61	49
50 AFC Flow - pph	360	200	240	235	220	220	50
51 AFC Spring - Gage Height-In.	179806 -	179820 -	179816 -	179820 -	179820 -	179820 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1900 - 86	1600 - 68	1600 - 39	1600 - 39	1600 - 56	1600 - 56	53
54 AFC No Air Flow	415	200	180	180	230	230	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1980 EPA	1980 EPA	1980 EPA	1980 EPA	1980 EPA	1980 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	VT-903	NTC-250	NTC-300	NTC-300	NTC-300	NTC-300	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) TMD TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST.589 SHIMMING +.025-.080 REF. +.065 SHIMS ON VS GOV. SPRING
 (2) REF. ADD +.045 TO VS GOVERNOR SPRING.
 (3) TMD TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST.589 SHIMMING +.030-.070 REF. ADD +.010 TO VS GOVERNOR SPRING.
 (4) REF. ADD +.090 TO VS GOVERNOR SPRING.
 (5) REF. ADD +.060 TO VS GOVERNOR.
 (6) REF. ADD .030 TO VS GOVERNOR

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 7935-B - 7940-A

1 Pump Code	7935-B	7936-D	7937-C	7938-B	7939-C	7940-A	1
2 Date - Control Parts List	MAY81 - 0471	AUG83 - 0449	MAY80 - 0340	MAR81 - 0393	AUG83 - 0471	MAY80 - 0340	2
3 Test HP @ RPM	265 - 275 @ 1900	392 - 408 @ 2100	265 - 275 @ 2200	392 - 408 @ 2100	294 - 306 @ 2100	274 - 286 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	102 - 112	146 - 162	97 - 107	154 - 170	121 - 133	98 - 112	5
6 Fuel Rate Pound Per Hour	93 - 97	141 - 147	97 - 101	144 - 150	106 - 111	99 - 103	6
7 Intake Manifold Press. In./Hg	27 - 33	37 - 45	12 - 18	42 - 50	32 - 40	12 - 18	7
8 Torque Rise % - Curve	34 -	15 -	23 -	15 -	33 -	14 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	2130 - 2150	2230 - 2250	2130 - 2150	2130 - 2150	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM	2000 - 2050	2200 - 2250	2300 - 2350	2200 - 2250	2200 - 2250	2200 - 2250	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2120 @ 40	2340 @ 40	2425 @ 40	2350 @ 40	2375 @ 40	2340 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	75 -	110 -	110 -	75 -	20
21 Throttle Travel-Auto., VS, Levtr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	27 @ 500	24 @ 500	52 @ 500	24 @ 500	27 @ 500	50 @ 500	22
23 Idle Speed cc @ RPM-Auto.	190 @ 590	170 @ 590	250 @ 650	180 @ 580	195 @ 590	250 @ 650	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	92 @ 1300	157 @ 2100	91 @ 1600	164 @ 2100	127 @ 2100	89 @ 1600	25
26 Calibration Flow	285	495	405	505	340	410	26
27 Check Point (1) PSI @ RPM	101 - 105 @ 1900	110 - 116 @ 1500	100 - 104 @ 2200	118 - 124 @ 1500	88 - 94 @ 1300	100 - 104 @ 2100	27
28 Check Point (1) Flow	305	415	435	420	275	445	28
29 Check Point (2) PSI @ RPM	69 - 75 @ 1000	59 - 71 @ 1000	45 - 53 @ 1000	71 - 79 @ 1000	65 - 77 @ 1000	43 - 49 @ 1000	29
30 Check Point (2) Flow	245	300	270	310	230	270	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.840 - 143847	.840 - 143847	.840 - 143847	.840 - 143847	.840 - 143847	.840 - 143847	33
34 Idle Plunger Code - Part No.	30 - 141633	37 - 140418	50 - 140925	32 - 141634	37 - 140418	52 - 139618	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	144195	3018767	3018767	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001147 - .000	143251 - .000	143252 - .000	143251 - .000	3001147 - .000	143251 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3021480	40
41 Torque Spring - Shims - Gage Height	3002053 - .000 -	138781 - .000 -	3002050 - .000 -	138783 - .000 -	3002052 - .000 -	3002053 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000	109686 - .000	70821 - .000	109686 - .000	109687 - .000	109686 - .000	42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	AR40230	AR40230	AR40230	AR40230	AR40230	AR40230	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	4 - 1.9	6 - 2.9	6 - 2.9	4 - 1.9	48
49 AFC RPM - PSI	1600 - 61	1600 - 69	1900 - 56	1600 - 62	1600 - 61	1900 - 56	49
50 AFC Flow - pph	220	300	360	285	220	360	50
51 AFC Spring - Gage Height-In.	179820 -	179820 -	179816 -	179822 -	179820 -	179806 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 56	1600 - 42	1900 - 86	1600 - 33	1600 - 56	1900 - 86	53
54 AFC No Air Flow	230	230	415	210	230	415	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1980 EPA	1980 EPA	1980 EPA	1980 EPA	1980 EPA	1980 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-300	NTC-400	VT-903	NTC-400	NTC-300	FORMULA VT-300	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) TMD TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST.589 SETTING + .015-.070 REF. ADD .060 TO VS GOVERNOR.
- (2) HYDRAULIC ASA REF. + .115 ON VS GOVERNOR SPRING.
- (3) TMD REF. + .145 ON VS GOVERNOR SPRING. TMD PARTS: #204 REGULATOR P/N 3003150; 107787 REGULATOR SPRING; ST.589 SETTING + .015
- (4) USE HYDRAULIC ASA P/N 3020760. REF. + .120 ON VS GOVERNOR SPRING.
- (5) REF. + .020 ON VS GOVERNOR SPRING.
- (6) TMD; GOV. PLUNGER ASSEMBLY 3021480. TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST.589 SHIMMING + .025-.080 REF. + .090 SHIMS ON VS GOV. SPRING.

1 Pump Code	7941-A	7942-A	7943-D	7944-D	7945-C	7946-A	1
2 Date - Control Parts List	MAY80 - 0340	SEP82 - 0450	AUG83 - 0450	SEP82 - 0480	AUG83 - 0450	SEP82 - 0471	2
3 Test HP @ RPM	265 - 275 @ 2200B	314 - 326 @ 1800	343 - 357 @ 1900	270 - 280 @ 2100	343 - 357 @ 1800	265 - 275 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	97 - 107	142 - 156	161 - 179	163 - 180	159 - 175	104 - 116	5
6 Fuel Rate Pound Per Hour	97 - 101	110 - 115	119 - 124	100 - 104	118 - 123	97 - 101	6
7 Intake Manifold Press. In./Hg	12 - 18	28 - 36	33 - 41	14 - 20	32 - 40	29 - 37	7
8 Torque Rise % - Curve	23 -	20 -	16 - 0000	10 -	10 -	48 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2230 - 2250	1830 - 1850	1930 - 1950	2130 - 2150	1830 - 1850	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM	2300 - 2350	1900 - 1950	2000 - 2050	2200 - 2250	1900 - 1950	2200 - 2250	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2425 @ 40	2045 @ 40	2120 @ 40	2320 @ 40	2050 @ 40	2310 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 AS Gov. Setting-PSI @ RPM							16
17 Low AS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	75 -	110 -	110 -	75 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	52 @ 500	31 @ 500	27 @ 500	36 @ 600	29 @ 500	22 @ 500	22
23 Idle Speed cc @ RPM-Auto.	250 @ 650	190 @ 600	190 @ 590	235 @ 670	190 @ 600	180 @ 590	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	91 @ 1600	149 @ 1800	170 @ 1900	174 @ 2100	167 @ 1800	92 @ 1300	25
26 Calibration Flow	405	350	370	540	380	275	26
27 Check Point (1) PSI @ RPM	100 - 104 @ 2200	126 - 132 @ 1300	119 - 125 @ 1300	115 - 121 @ 1500	117 - 123 @ 1300	107 - 111 @ 2100	27
28 Check Point (1) Flow	435	320	300	430	310	305	28
29 Check Point (2) PSI @ RPM	45 - 53 @ 1000	94 - 102 @ 1000	88 - 100 @ 1000	58 - 66 @ 1000	85 - 97 @ 1000	67 - 75 @ 1000	29
30 Check Point (2) Flow	270	265	255	285	255	230	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.840 - 143847	.800 - 143855	.800 - 143855	.800 - 143855	.800 - 143855	.840 - 143847	33
34 Idle Plunger Code - Part No.	50 - 140925	15 - 139894	17 - 140417	37 - 140418	20 - 141629	35 - 140922	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	3018767	3018767	144195	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143252 - .000	3004754 - .000	153238 - .000	3001150 - .000	153237 - .000	3001148 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3021480	3010810	3010810	3021480	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	3002050 - .000 -	3002058 - .000 -	138784 - .000 -	142697 - .000 -	138781 - .000 -	3002047 - .000 -	41
42 VS Gov. Spring - Ref. Shims	70821 - .000.	101002 - .000	109686 - .000	109686 - .000	70821 - .000	109686 - .000	42
43 VS Gov. Idle Spring				70778			43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	AR40230	AR40230	212350	3018640	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	4 - 1.9	8 - 3.9	8 - 3.9	2 - .9	8 - 3.9	6 - 2.9	48
49 AFC RPM - PSI	1900 - 56	1600 - 62	1600 - 62	1600 - 88	1600 - 62	1600 - 61	49
50 AFC Flow - pph	360	200	200	365	200	220	50
51 AFC Spring - Gage Height-In.	179816 -	179826 -	179826 -	179804 -	179826 -	179820 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1900 - 86	1600 - 55	1600 - 55	1600 - 66	1600 - 55	1600 - 56	53
54 AFC No Air Flow	415	200	200	310	200	230	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1980 EPA	1980 EPA	1980 EPA	1980 CARB	1980 EPA	1980 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	FORMULA VT-300	NTC-350	NTC-350	VTBC-903	NTC-350	NTC-300	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

(1) TMD; GOV. PLUNGER ASSEMBLY 3021480. REF. +.145 ON VS GOVERNOR SPRING. TMD PARTS: #204 REGULATOR P/N 3003150; 107787 REGULATOR SPRING; ST.589 SETTING +.015

(2) REF. +.120 ON VS GOVERNOR SPRING.

(3) REF. +.040 ON VS GOVERNOR SPRING

(4) GOV. PLUNGER ASSY 3021480 REF+.080 ON VS GOV SPRING;SET ROADSPEED 220+-15CC/MIN @1050RPM SERVICE ROADSPEED SET 43PSI @1000RPM;SINGLE BANK VALVE CALIB:2100RPM CRACKING PRESS 51+- .3PSI;1500RPM CRACKING PRESS 25+-1.5PSI;660 RPM CRACKING PRESS 0-3PSI(SOLENOID CLOSED);10 +-4PSI(SOLENOID OPEN);VALVE LEAKAGE 37.5+- 7.5CC/MIN.

(5) REF. +.020 ON VS GOVERNOR SPRING

(6) T.M.D.: 204 REGULATOR P/N 3003150, 186997 REGULATOR SPRING, ST-589 SETTING +.030-.080 REF. +.110 ON VS GOVERNOR

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 7947-B - 7952-A

1 Pump Code	7947-B	7948-C	7949-A	7950-B	7951-A	7952-A	1
2 Date - Control Parts List	DEC85 - 0484	SEP82 - 0434	SEP82 - 0450	AUG83 - 0450	OCT81 - 0455	APR81 - 0506	2
3 Test HP @ RPM	294 - 306 @ 2200	270 - 280 @ 2100	314 - 326 @ 2100	343 - 357 @ 2100	343 - 357 @ 2100	265 - 275 @ 1600	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	119 - 131	156 - 172	150 - 166	171 - 189	155 - 171	138 - 150	5
6 Fuel Rate Pound Per Hour	104 - 108	98 - 102	114 - 119	123 - 129	130 - 136	88 - 92	6
7 Intake Manifold Press. In./Hg	23 - 29	19 - 25	33 - 41	36 - 44	42 - 50	33 - 41	7
8 Torque Rise % - Curve	20 -	10 -	40 -	28 -	28 -	15 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2230 - 2250	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	1620 - 1640	11
12 VS/Sec. Gov. Setting-RPM	2300 - 2350	2200 - 2250	2200 - 2250	2200 - 2250	2200 - 2250	1700 - 1750	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2480 @ 40	2315 @ 40	2315 @ 40	2375 @ 40	2370 @ 40	1840 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	75 -	75 -	110 -	110 -	110 -	75 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	37 @ 500	34 @ 600	24 @ 500	23 @ 500	67 @ 600	55 @ 500	22
23 Idle Speed cc @ RPM-Auto.	250 @ 650	220 @ 670	180 @ 590	170 @ 580	220 @ 700	190 @ 590	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	127 @ 2200	168 @ 2100	124 @ 1300	181 @ 2100	164 @ 2100	146 @ 1600	25
26 Calibration Flow	500	510	325	400	460	290	26
27 Check Point (1) PSI @ RPM	86 - 92 @ 1400	105 - 111 @ 1500	156 - 160 @ 2100	123 - 129 @ 1300	109 - 115 @ 1300	103 - 109 @ 1100	27
28 Check Point (1) Flow	400	395	380	320	360	240	28
29 Check Point (2) PSI @ RPM	51 - 59 @ 1000	48 - 56 @ 1000	80 - 88 @ 1000	86 - 98 @ 1000	85 - 93 @ 1000	71 - 79 @ 800	29
30 Check Point (2) Flow	295	260	250	260	310	200	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143855	.815 - 143855	.800 - 143855	.800 - 143855	.840 - 143847	.800 - 143855	33
34 Idle Plunger Code - Part No.	40 - 137370	47 - 140924	20 - 141629	20 - 141629	20 - 141629	7 - 141624	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	3018767	3018767	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	143252 - .000	143249 - .000	3004756 - .000	153238 - .000	143253 - .000	153235 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3025360	3025360	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	3002050 - .020 -		3002047 - .020 -	3002052 - .000 -	3002047 - .080 -	139587 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	110461 - .000	42
43 VS Gov. Idle Spring		70778					43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	3018640	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	4 - 1.9	3 - 1.4	8 - 3.9	8 - 3.9	5 - 2.4	4 - 1.9	48
49 AFC RPM - PSI	1900 - 46	1600 - 94	1600 - 62	1600 - 62	1600 - 65	1600 - 71	49
50 AFC Flow - pph	300	305	200	200	310	195	50
51 AFC Spring - Gage Height-In.	179816 -	179804 -	179826 -	179826 -	179818 -	179808 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1900 - 86	1600 - 62	1600 - 55	1600 - 55	1600 - 50	1600 - 81	53
54 AFC No Air Flow	425	295	200	200	240	215	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1980 EPA	1980 EPA	1981 EPA	1981 EPA	1981 CARB	1981 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	FORMULA VT-300	VTB-903	NTC-350	NTC-350	NTCC-350	FLEET 270	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE 3025360 GOV. PLUNGER ASSEMBLY REF. USE + .035 ON VS GOVERNOR SPRING
- (2) GOV. PLUNGER ASSEMBLY 3021480; REF. + .090 ON VS GOV. SPRING; SET ROADSPEED 200 + - 15 CC/MIN. @ 1030 RPM; SERVICE ROADSPEED SET 47 PSI @ 950 RPM
- (3) TMD: TMD PARTS #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST-589 SETTING + .085; REF. USE + .115 SHIMS ON VS IDLE SPRING.
- (4) REF. + .115 ON VS GOVERNOR
- (5) HYD. ASA; USE 3 SHIMS ON IDLE SPRING; REF. + .120 ON VS GOVERNOR.
- (6) USE 3025360 GOVERNOR PLUNGER SET ROAD SPEED GOVERNOR 1450-1460 RPM

1 Pump Code	7953-B	7954-B	7955-D	7956-D	7957-C	7958-C	
2 Date - Control Parts List	NOV83 - 0458	JUN83 - 0471	NOV83 - 0530	NOV83 - 0530	DEC84 - 0529	NOV83 - 0530	1
3 Test HP @ RPM	343 - 357 @ 2100	265 - 275 @ 1800	343 - 357 @ 1900	343 - 357 @ 1800	294 - 306 @ 1800	314 - 326 @ 1800B	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	158 - 174	97 - 107			113 - 125		4
6 Fuel Rate Pound Per Hour	129 - 135	90 - 94			99 - 103		5
7 Intake Manifold Press. In./Hg	40 - 48	26 - 32			27 - 35		6
8 Torque Rise % - Curve	28 -	27 -			14 -		7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	1830 - 1850			1830 - 1850		10
12 VS/Sec. Gov. Setting-RPM	2200 - 2250	1900 - 1950			1900 - 1950		11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2365 @ 15	2025 @ 15			2106 @ 15		13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -			110 -		19
21 Throttle Travel-Auto., VS, Levr	28 -	28 -			28 -		20
22 Idle Speed PSI @ RPM-Auto.	50 @ 600	22 @ 500			30 @ 500		21
23 Idle Speed cc @ RPM-Auto.	180 @ 690	180 @ 590			220 @ 630		22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	167 @ 2100	92 @ 1300			117 @ 1800		24
26 Calibration Flow	480	285			335		25
27 Check Point (1) PSI @ RPM	110 - 116 @ 1300	- 102 @ 1800			90 - 96 @ 1300		26
28 Check Point (1) Flow	385	305			290		27
29 Check Point (2) PSI @ RPM	71 - 79 @ 1000	56 - 68 @ 1000			63 - 75 @ 1000		28
30 Check Point (2) Flow	305	225			235		29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143855	.800 - 143854			.800 - 143855		32
34 Idle Plunger Code - Part No.	20 - 141629	32 - 141634	10 - 141625	12 - 141626	32 - 141634	7 - 141624	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	3004756 - .000	3004750 - .000	3004752 - .000	153235 - .000	143254 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	139585 - .060	138802 - .000	3002058 - .020	3002055 - .010	3002056 - .000	3002056 - .000	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	70821 - .000	70821 - .000	109686 - .000	107787 - .000	109686 - .000	41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC in./Hg - PSI	10 - 4.9	6 - 2.9			6 - 2.9		47
49 AFC RPM - PSI	1600 - 61	1600 - 61			1600 - 59		48
50 AFC Flow - pph	315	220			205		49
51 AFC Spring - Gage Height-In.	179824 -	179820 -			179820 -		50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 59	1600 - 56			1600 - 58		52
54 AFC No Air Flow	285	230			225		53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1981 CARB	1982 EPA	1982 EPA	1982 EPA	1982 EPA	1982 EPA	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTCC-350	NTC-300	NTC-350	NTC-350	NTC-300	NTC-350	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

(1) REF. + .100 ON VS GOVERNOR SPRING

(2) TMD PARTS: #204 REGULATOR P/N 3003150 186997 REGULATOR SPRING; ST-589 SHIMMING + .030-.100 REF. ADD + .030 TO VS GOVERNOR SPRING

(3) REF. ADD .035 TO VS GOV. SPRING MINIMUM GOV. CHDCK OF 2071 RPM @ 15 PSI SUPERSEDED BY 7966 (3024271 BM)

(4) REF. ADD .030 TO VS GOV. SPRING. MINIMUM GOV. CHECK OF 1962 RPM @ 15 PSI SUPERSEDED BY 7967 (3024271 BM)

(5) REF. USE .015 ON VS GOV. SPRING. MINIMUM GOV. CHECK OF 1962 RPM @ 15 PSI

(6) TMD: TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST-589 SETTING + .055 REF. ADD + .015 TO VS GOV. SPRING MINIMUM GOV. CHECK OF 1962 RPM @ 15 PSI SUPERSEDED BY 7968 (3021957 BM)

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 7959-C - 7964-A

1 Pump Code	7959-C	7960-A	7961-C	7962-A	7963-B	7964-A	1
2 Date - Control Parts List	FEB84 - 0529	FEB84 - 0579	MAY84 - 0531	NOV83 - 0459	FEB84 - 0531	FEB84 - 0529	2
3 Test HP @ RPM	294 - 306 @ 1900	265 - 275 @ 2100	392 - 408 @ 1900	294 - 306 @ 1800	392 - 408 @ 2100	265 - 275 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	115 - 127	151 - 167	145 - 160	116 - 128	148 - 164	109 - 120	5
6 Fuel Rate Pound Per Hour	100 - 104	96 - 100	135 - 141	105 - 109	140 - 146	95 - 99	6
7 Intake Manifold Press. In./Hg	29 - 37	31 - 39	38 - 46	31 - 39	39 - 47	29 - 37	7
8 Torque Rise % - Curve	20 -	48 -	13 -	14 -	25 -	48 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	2130 - 2150	1930 - 1950	1830 - 1850	2130 - 2150	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM	2000 - 2050	2200 - 2250	2000 - 2050	1900 - 1950	2200 - 2250	2200 - 2250	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2457 @ 15	2170 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	30 @ 500	40 @ 500	31 @ 500	48 @ 600	36 @ 500	30 @ 500	22
23 Idle Speed cc @ RPM-Auto.	225 @ 630	220 @ 640	205 @ 605	210 @ 690	190 @ 650	240 @ 630	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	121 @ 1900	128 @ 1300	157 @ 1900	122 @ 1800	157 @ 2100	92 @ 1300	25
26 Calibration Flow	335	285	462	410	470	265	26
27 Check Point (1) PSI @ RPM	87 - 93 @ 1300	155 - 159 @ 2100	112 - 120 @ 1300	87 - 93 @ 1300	109 - 115 @ 1300	109 - 113 @ 2100	27
28 Check Point (1) Flow	280	321	386	345	380	296	28
29 Check Point (2) PSI @ RPM	63 - 75 @ 1000	86 - 98 @ 1000	76 - 88 @ 1000	59 - 71 @ 1000	89 - 101 @ 1000	59 - 71 @ 1000	29
30 Check Point (2) Flow	235	236	312	288	348	216	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143855	.840 - 143847	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	37 - 140418	17 - 140417	22 - 141630	30 - 141633	10 - 141625	37 - 140418	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	144195	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153235 - .000	3000938 - .000	143253 - .000	153237 - .000	143254 - .000	153237 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	3002054 - .020 -	3002058 - .020 -	139587 - .030 -	138792 - .000 -	3002050 - .050 -	3002055 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000	109686 - .000	70821 - .000	107787 - .000	109686 - .000	109686 - .000	42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	10 - 4.9	8 - 3.9	10 - 4.9	6 - 2.9	48
49 AFC RPM - PSI	1600 - 59	1600 - 69	1600 - 85	1600 - 89	1600 - 85	1600 - 59	49
50 AFC Flow - pph	205	190	325	335	325	205	50
51 AFC Spring - Gage Height-In.	179820 -	179818 -	179826 -	179822 -	179826 -	179820 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 58	1600 - 78	1600 - 39	1600 - 53	1600 - 39	1600 - 58	53
54 AFC No Air Flow	225	205	220	260	220	225	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1982 EPA	1983 EPA	1983 EPA	1983 CARB	1983 EPA	1983 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-300	POWER TORQUE-270	NTC-400	NTCC-300	NTC-400	NTC-300	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) MINIMUM GOV. CHECK OF 2071 RPM AT 15 PSI. REF. ADD +.030 TO VS GOVERNOR
 (2) TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST-589 SETTING +.06 REF. USE .100 ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2289 RPM AT 15 PSI
 (3) MINIMUM GOV. CHECK OF 2070 RPM @ 15 PSI. REF. ADD +.040 TO VS GOVERNOR SPRING.
 (4) REF. ADD +.030 TO VS GOVERNOR SPRING
 (5) MINIMUM GOV. CHECK OF 2289 RPM @ 15 PSI. ADD +.100 TO VS GOVERNOR.
 (6) USE 3035473 FUEL PUMP HOUSING; TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST-589 SETTING +.025-.070 REF. ADD .100 TO VS GOVERNOR SPRING MINIMUM GOVERNOR CHECK OF 2289 RPM AT 15 PSI

1 Pump Code	7965-C	7966-B	7967-B	7968-A	7969-A	7970-A	
2 Date - Control Parts List	FEB87 - 0497	MAY84 - 0530	DEC84 - 0530	MAY84 - 0530	MAY84 - 0530	DEC85 - 0642	1
3 Test HP @ RPM	235 - 245 @ 2100	343 - 357 @ 1900	343 - 357 @ 1800	314 - 326 @ 1800B	343 - 357 @ 2100	392 - 408 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	145 - 161	164 - 182	161 - 177	141 - 157	175 - 194	160 - 176	4
6 Fuel Rate Pound Per Hour	88 - 92	119 - 123	118 - 122	108 - 112	123 - 128	132 - 138	5
7 Intake Manifold Press. In./Hg	23 - 29	31 - 39	30 - 38	27 - 35	35 - 43	35 - 43	6
8 Torque Rise % - Curve	50 -	21 -	15 -	23 -	34 -	13 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	1930 - 1950	1830 - 1850	1830 - 1850	2130 - 2150	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM	2200 - 2250	2000 - 2050	1900 - 1950	1900 - 1950	2200 - 2250	2000 - 2050	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2223 @ 15	2080 @ 15	2080 @ 15	2457 @ 15	2223 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	49 @ 500	38 @ 500	40 @ 500	46 @ 500	38 @ 500	39 @ 500	21
23 Idle Speed cc @ RPM-Auto.	200 @ 600	205 @ 650	210 @ 640	220 @ 650	220 @ 650	230 @ 635	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	121 @ 1300	176 @ 1900	174 @ 1800	134 @ 1300	142 @ 1300	168 @ 1900	24
26 Calibration Flow	325	370	368	335	330	489	25
27 Check Point (1) PSI @ RPM	143 - 147 @ 2100	138 - 144 @ 1300	142 - 148 @ 1300	146 - 150 @ 1800	182 - 186 @ 2100	113 - 119 @ 1300	26
28 Check Point (1) Flow	360	325	331	355	382	395	27
29 Check Point (2) PSI @ RPM		102 - 110 @ 1000	99 - 111 @ 1000	93 - 105 @ 1000	95 - 107 @ 1000	78 - 90 @ 1000	28
30 Check Point (2) Flow		275	276	280	272	322	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.840 - 143847	.780 - 143855	.800 - 143855	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	25 - 141631	10 - 141625	12 - 141626	7 - 141624	17 - 140417	20 - 141629	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	3004750 - .000	3004752 - .000	143254 - .000	3004755 - .000	153232 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	1.000	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3040750	39
41 Torque Spring - Shims - Gage Height	3002047 - .000	3002058 - .020	3002055 - .010	3002056 - .000	3002050 - .015	138802 - .040	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	.70821 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	41
43 VS Gov. Idle Spring						70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	5 - 2.4	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	47
49 AFC RPM - PSI	1600 - 75	1600 - 62	1600 - 62	1600 - 62	1600 - 62	1600 - 45	48
50 AFC Flow - pph	230	242	242	242	242	246	49
51 AFC Spring - Gage Height-In.	179816 -	179824 -	179824 -	179824 -	179824 -	179824 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 84	1600 - 48	1600 - 48	1600 - 48	1600 - 48	1600 - 63	52
54 AFC No Air Flow	270	179	179	179	179	280	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1983 EPA	1983 EPA	1983 EPA	1983 EPA	1984 EPA	1984 EPA	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	POWER TORQUE 240	NTC-350	NTC-350	NTC-350	NTC-350	NTC-400	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) TMD PARTS: #204 REGULATOR P/N 3003150 186997 REGULATOR SPRING; ST-589 SETTING + .040. REF. USE .100 ON VS GOVERNOR. MIN. GOV. CHECK OF 2209 @ 15 PSI. FFC ENGINE ONLY. SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WITH AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOV CK OF 2023-2223 RPM @ 15 PSI.
- (2) REF. ADD .035 TO VS GOV. SPRING MINIMUM GOV. CHECK OF 2071 RPM @ 15 PSI REF. 3021956 HOUSING
- (3) REF. ADD .030 TO VS GOV. SPRING. MINIMUM GOV. CHECK OF 1962 RPM @ 15 PSI REF. 3021956 HOUSING
- (4) TMD: TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST-589 SETTING + .055 REF. ADD + .015 TO VS GOV. SPRING MINIMUM GOV. CHECK OF 1962 RPM @ 15 PSI REF. 3021956 HOUSING
- (5) TMD PARTS: #204 REGULATOR P/N 3003150; REGULATOR SPRING P/N 70691; ST-589 SETTING + .065. REF. USE .110 SHIMS ON VS GOVERNOR SPRING MINIMUM GOVERNOR CHECK OF 2289 RPM @ 15 PSI USE 3021956 HOUSING.
- (6) USE 3038668 HSG. MIN. GOV. CHECK 2071 @ 15 PSI. REF. ADD + .050 TO VS GOV. SPRING

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 7971-C - 7976-B

1 Pump Code	7971-C	7972-C	7973-C	7974-C	7975-E	7976-B	1
2 Date - Control Parts List	SEP91 - 0633	DEC87 - 0632	MAY92 - 0633	DEC87 - 0625	DEC87 - 0675	DEC87 - 0625	2
3 Test HP @ RPM	294 - 306 @ 1800	343 - 357 @ 1800	294 - 306 @ 2100	392 - 408 @ 2100	343 - 357 @ 1800	392 - 408 @ 1900	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	116 - 128	163 - 180	125 - 138	156 - 172	161 - 177	150 - 166	5
6 Fuel Rate Pound Per Hour	98 - 102	117 - 121	104 - 108	139 - 145	114 - 118	135 - 141	6
7 Intake Manifold Press. in./Hg	28 - 36	33 - 41	32 - 40	41 - 49	30 - 38	39 - 47	7
8 Torque Rise % - Curve	14 -	15 -	33 -	25 -	15 -	13 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850	1830 - 1850	2130 - 2150	2130 - 2150	1830 - 1850	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM	1900 - 1950	1900 - 1950	2200 - 2250	2262 - 2312	1900 - 1950	2000 - 2050	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	2106 @ 15	2223 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lever	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	30 @ 500	38 @ 500	26 @ 500	36 @ 500	40 @ 500	30 @ 500	22
23 Idle Speed cc @ RPM-Auto.	220 @ 630	220 @ 630	220 @ 630	200 @ 650	210 @ 620	200 @ 650	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	122 @ 1800	172 @ 1800	132 @ 2100	164 @ 2100	168 @ 1800	158 @ 1900	25
26 Calibration Flow	325	369	341	482	360	469	26
27 Check Point (1) PSI @ RPM	88 - 94 @ 1300	133 - 139 @ 1300	88 - 94 @ 1300	110 - 116 @ 1300	126 - 132 @ 1300	109 - 115 @ 1300	27
28 Check Point (1) Flow	274	317	272	391	310	383	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	37 - 140418	15 - 139894	37 - 140418	22 - 141630	17 - 140417	22 - 141630	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143254 - .000	143254 - .000	143253 - .000	143253 - .000	143254 - .000	143253 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138802 - .020 -	138802 - .040 -	3002047 - .000 -	139586 - .010 -	138800 - .040 -	138787 - .050 -	41
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000	109686 - .000	109686 - .000	109687 - .000	109686 - .000	70821 - .000	42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	4 - 1.9	8 - 3.9	4 - 1.9	8 - 3.9	4 - 1.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 24	1600 - 67	1600 - 24	1600 - 59	1600 - 28	1600 - 59	49
50 AFC Flow - pph	122	219	122	272	128	272	50
51 AFC Spring - Gage Height-In.	179826 -	179830 -	179826 -	179834 -	179822 -	179834 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 73	1600 - 53	1600 - 73	1600 - 42	1600 - 59	1600 - 42	53
54 AFC No Air Flow	245	190	245	224	198	224	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1984 EPA	1984 EPA	1984 EPA	1984 EPA	1984 EPA	1984 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-300	NTC-350	NTC-300	NTC-400	NTC-350	NTC-400	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE 3038668 FUEL PUMP HOUSING; MINIMUM GOVERNOR CHECK OF 1959 RPM @ 15 PSI. REF. USE .015 ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WITH AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1758-1872 RPM AT 15 PSI.
- (2) USE 3038668 FUEL PUMP HOUSING. REF. USE + .040 ON VS GOV. SPRING. MIN. GOV. CHECK OF 1986 RPM @ 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WITH AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK AT 15 PSI 1797-1872
- (3) REF. ADD .130 TO VS GOV. SPRING. MIN. GOV. CHECK 2236 @ 15 PSI. USE 3038668 HSG. SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WITH AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 2048-2223 RPM AT 15 PSI.
- (4) USE A 3038668 FUEL PUMP HOUSING. A 3042360 ASA IS REQUIRED. MINIMUM GOVERNOR CHECK OF 2283 RPM @ 15 PSI REF. USE .040 ON VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WITH AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 2093-2223 RPM AT 15 PSI.
- (5) USE 3038668 HOUSING; MIN. GOVERNOR CHECK OF 1986 RPM @ 15 PSI. REF. ADD .040 TO VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WITH AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK AT 15 PSI 1797-1872
- (6) USE .040 ON VS GOV. SPRING. MIN. GOV. CHECK 2101 @ 15 PSI. A 3042360 ASA IS REQUIRED. REF. 3038668 HSG. SET ROADSPEED GOVERNOR BREAK TO 1700 RPM WITH AIR OFF, SET TO 2000-2050 WITH AIR ON. ROADSPEED GOV CK OF 1910-1989 RPM @ 15 PSI.

1 Pump Code	7977-C	7978-B	7979-A	7980-A	7981-E	7982-E	
2 Date - Control Parts List	DEC89 - 0633	DEC87 - 0615	APR85 - 0531	APR85 - 0531	DEC87 - 0676	DEC87 - 0676	1
3 Test HP @ RPM	265 - 275 @ 2100	343 - 357 @ 1800	392 - 408 @ 1900	392 - 408 @ 2100	392 - 408 @ 1900	392 - 408 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	108 - 120	153 - 169	145 - 160	148 - 164	166 - 184	172 - 190	4
6 Fuel Rate Pound Per Hour	95 - 99	121 - 125	135 - 141	140 - 146	131 - 137	136 - 142	5
7 Intake Manifold Press. In./Hg	28 - 35	37 - 45	38 - 46	39 - 47	43 - 51	46 - 54	6
8 Torque Rise % - Curve	48 -	15 -	13 -	25 -	13 -	25 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	1830 - 1850	1930 - 1950	2130 - 2150	1930 - 1950	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM	2200 - 2250	1900 - 1950	2000 - 2050	2200 - 2250	2000 - 2050	2200 - 2250	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2170 @ 15	2457 @ 15	2223 @ 15	2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	28 @ 500	45 @ 600	31 @ 500	36 @ 500	41 @ 500	39 @ 500	21
23 Idle Speed cc @ RPM-Auto.	220 @ 630	220 @ 740	205 @ 605	190 @ 650	210 @ 630	210 @ 630	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	91 @ 1300	161 @ 1800	157 @ 1900	157 @ 2100	175 @ 1900	181 @ 2100	24
26 Calibration Flow	275	483	462	470	493	505	25
27 Check Point (1) PSI @ RPM	112 - 116 @ 2100	118 - 124 @ 1300	112 - 120 @ 1300	109 - 115 @ 1300	117 - 123 @ 1300	116 - 122 @ 1300	26
28 Check Point (1) Flow	313	408	386	380	398	398	27
29 Check Point (2) PSI @ RPM			76 - 88 @ 1000	89 - 101 @ 1000			28
30 Check Point (2) Flow			312	348			29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143855	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	37 - 140418	15 - 139894	22 - 141630	10 - 141625	20 - 141629	22 - 141630	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	153238 - .000	143253 - .000	143254 - .000	153236 - .000	153237 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3010810	3010810	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3002058 - .000	136802 - .020	139587 - .030	3002050 - .050	138788 - .030	3002053 - .040	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	70821 - .000	70821 - .000	109686 - .000	109686 - .000	109686 - .000	41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	4 - 1.9	6 - 2.9	10 - 4.9	10 - 4.9	4 - 1.9	4 - 1.9	47
49 AFC RPM - PSI	1600 - 24	1600 - 45	1600 - 85	1600 - 85	1600 - 25	1600 - 25	48
50 AFC Flow - pph	122	239	325	325	162	162	49
51 AFC Spring - Gage Height-In.	179826 -	179832 -	179826 -	179826 -	179828 -	179828 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 73	1600 - 57	1600 - 39	1600 - 39	1600 - 53	1600 - 53	52
54 AFC No Air Flow	245	290	220	220	249	249	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1984 EPA	1984 CARB	1984 EPA	1984 EPA	1985 EPA	1985 EPA	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-300	NTCC-350	NTC-400	NTC-400	NTC-400	NTC-400	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE 3038668 HOUSING; REF. USE .110 ON VS GOVERNOR SPRING. TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST-589 SETTING + .040-.080 MINIMUM GOVERNOR CHECK OF 2223 RPM AT 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WITH AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOV CHECK OF 2038-2223 RPM @ 15 PS
- (2) USE 3038668 HOUSING; REF. USE .020 ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1986 RPM AT 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK AT 15 PSI 1797-1872
- (3) MINIMUM GOV. CHECK OF 2070 RPM @ 15 PSI. REF. ADD + .040 TO VS GOVERNOR SPRING. FIELD FIX 100; USE THIS CALIBRATION IN PLACE OF 7961 WHEN UPGRADING TO TURBO P/N 3521551, 3523415. ADD ASA P/N 3047308.
- (4) MINIMUM GOV. CHECK OF 2289 RPM @ 15 PSI. ADD + .100 TO VS GOVERNOR. FIELD FIX 100; USE THIS CALIBRATION IN PLACE OF 7963 WHEN UPGRADING TO TURBO P/N 3521551, 3523415. ADD ASA P/N 3047308.
- (5) USE 3038668 HOUSING; REF. USE .060 ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2101 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1700 RPM WIT AIR OFF, SET TO 2000-2050 WITH AIR ON. ROADSPEED GOVERNOR CHECK @ 15 PSI (1910-1989 RPM).
- (6) USE 3038668 HOUSING; REF. USE .115 SHIMS ON ROADSPEED GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2283-RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WIT AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOVERNOR CHECK AT 15 PSI 2093-2223 RPM.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 7983-B - 7988-B

1 Pump Code	7983-B	7984-B	7985-C	7986-D	7987-B	7988-B	
2 Date - Control Parts List	JUN89 - 0579	SEP91 - 0769	JUN92 - 0674	DEC87 - 0614	JUN89 - 0749	DEC87 - 0749	1
3 Test HP @ RPM	265 - 275 @ 1800	340 - 361 @ 1800	294 - 306 @ 1800	392 - 408 @ 1900	309 - 321 @ 1800	309 - 321 @ 2100	2
4 Governed Speed-RPM							4
5 Engine Fuel PSI	140 - 154	163 - 180	114 - 126	182 - 200	124 - 137	134 - 148	5
6 Fuel Rate Pound Per Hour	90 - 94	117 - 121	98 - 102	144 - 150	103 - 107	109 - 113	6
7 Intake Manifold Press. In./Hg	26 - 32	33 - 41	29 - 37	41 - 49	26 - 32	31 - 39	7
8 Torque Rise % - Curve	27 -	15 -	14 -	13 -	25 -	46 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850	1830 - 1850	1830 - 1850	1930 - 1950	1830 - 1850	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM	1900 - 1950	1900 - 1950	1900 - 1950	2000 - 2050	1900 - 1950	2200 - 2250	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2106 @ 15	2106 @ 15	2223 @ 15	2106 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	39 @ 500	38 @ 500	26 @ 500	60 @ 600	28 @ 500	28 @ 500	22
23 Idle Speed cc @ RPM-Auto.	220 @ 640	220 @ 630	210 @ 620	220 @ 760	210 @ 600	210 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	127 @ 1300	172 @ 1800	120 @ 1800	185 @ 1900	112 @ 1300	141 @ 2100	25
26 Calibration Flow	265	369	322	620	314	358	26
27 Check Point (1) PSI @ RPM	144 - 148 @ 1800	133 - 139 @ 1300	84 - 90 @ 1300	121 - 127 @ 1300	128 - 132 @ 1800	108 - 114 @ 1300	27
28 Check Point (1) Flow	288	317	267	496	341	311	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141629	15 - 139894	42 - 140923	12 - 141626	27 - 141632	30 - 141633	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143254 - .000	143254 - .000	143253 - .000	153236 - .000	3001147 - .000	3051817 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040760	3040760	3040760	40
41 Torque Spring - Shims - Gage Height	138790 - .030 -	138802 - .040 -	138797 - .020 -	138769 - .010 -	138800 - .020 -	3002052 - .010 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109687 - .000	42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	6 - 2.9	8 - 3.9	4 - 1.9	10 - 4.9	4 - 1.9	4 - 1.9	48
49 AFC RPM - PSI	1600 - 69	1600 - 67	1600 - 17	1600 - 65	1600 - 17	1600 - 17	49
50 AFC Flow - pph	190	219	104	328	104	104	50
51 AFC Spring - Gage Height-In.	179818 -	179830 -	179822 -	179834 -	179822 -	179822 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 78	1600 - 53	1600 - 77	1600 - 50	1600 - 65	1600 - 65	53
54 AFC No Air Flow	205	190	255	302	232	232	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1985 EPA	1985 EPA	1985 EPA	1985 CARB	1985 EPA	1986 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-270	NTC-350	NTC-300	NTCC-400	NTC-315	NTC-315	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE 3038668 HSG; REF: USE .020 ON VS GOV. SPRING; MIN. GOV. CHECK OF 1943 RPM @ 15 PSI TMD PARTS: #204 REGULATOR P/N 3003150; REGULATOR SPRING P/N 186997; ST-589 SETTING + .050. SET ROADSPEED GOV. BREAK TO 1600 RP W/AIR OFF, SET TO 1900-1950 W/AIR ON. ROADSPEED GOV. CHECK @ 15 PSI (1759-1872) RP
- (2) USE 3038668 FUEL PUMP HOUSING; REF. USE + .040 ON VS GOV. SPRING; MIN. GOV. CHECK OF 1986 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WITH AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK AT 15 PSI 1797-1872 SEAL PUMP AFTER CALIBRATION.
- (3) USE A 3038668 HOUSING; REF. USE .020 ON VS GOVERNOR SPRING; MINIMUM GOVERNOR CHECK OF 1959 RPM AT 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1758 TO 1872 RPM AT 15 PSI.
- (4) USE A 3038668 HOUSING; REF.: USE .060 ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2101 RPM AT 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1700 RPM WITH AIR OFF, SET TO 2000-2050 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1910-1989 RPM AT 15 PSI.
- (5) USE A 3038668 HSG; REF: USE .025 ON VS GOV. SPRING. TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST-589 SETTING + .010. MIN. GOV. CHECK OF 1967 RPM @ 15 PSI. SET ROADSPEED GOV. BREAK TO 1600 RPM W/AIR OFF, SET TO 1900-1950 W/AIR ON. ROADSPEED GOV. CHECK OF 1784-1872 RPM @ 15 PSI. REPLACED BY FC 7815.
- (6) USE A 3038668 HOUSING; REF. USE .030 ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2243 RPM AT 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WIT AIR OFF. ROADSPEED GOVERNOR CHECK OF 2065 TO 2223 RPM AT 15 PSI. INSTALL TAMPERPROOF SEALS AFTER CALIBRATION.

1 Pump Code	7989-A	7990-B	7991-C	7992-A	7993-A	7994-A	
2 Date - Control Parts List	DEC87 - 0632	JUN92 - 0811	DEC87 - 0616	JUN89 - 0812	DEC87 - 0813	DEC87 - 0814	1
3 Test HP @ RPM	343 - 357 @ 1900	294 - 306 @ 1800	294 - 306 @ 1800	306 - 324 @ 1800	343 - 357 @ 1800	392 - 408 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	170 - 188	114 - 126	121 - 133	124 - 137	161 - 177	166 - 184	4
6 Fuel Rate Pound Per Hour	119 - 123	98 - 102	104 - 108	103 - 107	114 - 118	131 - 137	5
7 Intake Manifold Press.'in./Hg	34 - 42	29 - 37	28 - 34	26 - 32	30 - 38	43 - 51	6
8 Torque Rise % - Curve	21 -	14 -	14 -	25 -	15 -	13 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	1830 - 1850	1830 - 1850	1830 - 1850	1830 - 1850	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM	2000 - 2050	1900 - 1950	1900 - 1950	1900 - 1950	1900 - 1950	2000 - 2050	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2106 @ 15	2106 @ 15	2106 @ 15	2106 @ 15	2223 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	38 @ 500,	26 @ 500	45 @ 600	28 @ 500	40 @ 500	41 @ 500	21
23 Idle Speed cc @ RPM-Auto.	220 @ 630	210 @ 620	200 @ 755	210 @ 600	210 @ 620	210 @ 630	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	179 @ 1900	120 @ 1800	121 @ 1800	112 @ 1300	168 @ 1800	175 @ 1900	24
26 Calibration Flow	395	322	411	314	360	493	25
27 Check Point (1) PSI @ RPM	130 - 135 @ 1300	84 - 90 @ 1300	92 - 98 @ 1300	128 - 132 @ 1800	126 - 132 @ 1300	117 - 123 @ 1300	26
28 Check Point (1) Flow	333	267	355	341	310	398	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	20 - 141629	42 - 140923	27 - 141632	27 - 141632	17 - 140417	20 - 141629	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3001147 - .000	143253 - .000	153238 - .000	3001147 - .000	143254 - .000	153238 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040760	3040750	3040750	3040760	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	139587 - .000	138797 - .020	138792 - .005	138800 - .020	138800 - .040	138788 - .030	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	70821 - .000	109686 - .000	109686 - .000	109686 - .000	41
43 VS Gov. Idle Spring			70778				42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	8 - 3.9	4 - 1.9	8 - 3.9	4 - 1.9	4 - 1.9	4 - 1.9	47
49 AFC RPM - PSI	1600 - 67	1600 - 17	1600 - 61	1600 - 17	1600 - 28	1600 - 25	48
50 AFC Flow - pph	219	104	272	104	128	162	49
51 AFC Spring - Gage Height-In.	179830 -	179822 -	179828 -	179822 -	179822 -	179828 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 53	1600 - 77	1600 - 53	1600 - 65	1600 - 59	1600 - 53	52
54 AFC No Air Flow	190	255	249	232	198	249	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1986 EPA	1986 EPA	1984 CARB	1986 EPA	1986 EPA	1986 EPA	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-350	NTC-300	NTCC-300	NTC-315	NTC-350	NTC-400	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE A 3038668 HOUSING; REF. USE .050 ON VS GOVERNOR SPRING; MINIMUM GOVERNOR CHECK OF 2076 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1700 RPM WIT AIR OFF, SET TO 2000-2050 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1885-1989 RPM AT 15 PSI.
- (2) USE A 3038668 HOUSING; REF. USE .020 ON VS GOVERNOR SPRING; MINIMUM GOVERNOR CHECK OF 1959 RPM AT 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WIT AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK OF 1758 TO 1872 RPM AT 15 PSI.
- (3) REF. ADD .030 TO VS GOV. SPRING. MIN. GOV. CHECK OF 1959 @ 15 PSI. USE 3038668 HOUSING. SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WITH AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOV CHECK OF 1758-1872 @ 15 PSI.
- (4) USE A 3038668 HSG; REF. USE .025 ON VS GOV. SPRING. TMD PARTS: #204 REGULATOR P/N 3003150; 186997 REGULATOR SPRING; ST-589 SETTING + .010. MIN. GOV. CHECK OF 1967 RPM @ 15 PSI. SET ROADSPEED GOV. BREAK TO 1600 RPM W/AIR OFF, SET TO 1900- 1950 W/AIR ON. ROADSPEED GOV. CHECK OF 1784-1872 RPM @ 15 PSI. SEAL PUMP AFTER CALIBRATION.
- (5) USE 3038668 HOUSING; MIN. GOVERNOR CHECK OF 1986 RPM @ 15 PSI. REF. ADD .040 TO VS GOVERNOR SPRING. SET ROADSPEED GOVERNOR BREAK TO 1600 RPM WITH AIR OFF, SET TO 1900-1950 WITH AIR ON. ROADSPEED GOVERNOR CHECK AT 15 PSI 1797-1872
- (6) USE 3038668 HOUSING; REF. USE .060 ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2101 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1700 RPM WIT AIR OFF, SET TO 2000-2050 WITH AIR ON. ROADSPEED GOVERNOR CHECK @ 15 PSI (1910-1989 RPM).

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 7995-A - 9400-C

1 Pump Code	7995-A	7996-B	7997-A	7998-A	7999-A	9400-C	1
2 Date - Control Parts List	DEC87 - 0814	JUN93 - 0891	SEP91 - 0891	DEC87 - 0812	JUN89 - 0794	MAY91 - 1185	2
3 Test HP @ RPM	392 - 408 @ 2100	392 - 408 @ 2100	392 - 408 @ 1900	306 - 324 @ 2100	306 - 324 @ 1800	358 - 372 @ 1900	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	172 - 190	156 - 172	150 - 166	134 - 148	139 - 153	140 - 154	5
6 Fuel Rate Pound Per Hour	136 - 142	142 - 148	135 - 141	109 - 113	109 - 113	123 - 129	6
7 Intake Manifold Press. In./Hg	46 - 54	41 - 49	39 - 47	31 - 39	31 - 39	34 - 42	7
8 Torque Rise % - Curve	25 -	25 -	13 -	46 -	25 -	31 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150	1930 - 1950	2130 - 2150	1830 - 1850	1985 - 2005	11
12 VS/Sec. Gov. Setting-RPM	2200 - 2250	2262 - 2312	2000 - 2050	2200 - 2250	1900 - 1950	1920 - 1940	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2223 @ 15	2457 @ 15	2106 @ 15		14
15 Min. Auto. Gov. Check-RPM @ PSI		2283 @ 15					15
16 RS Gov. Setting-PSI @ RPM		15 @ 2093 - 2223					16
17 Low RS Gov. Setting-RPM		1895 - 1905					17
18 Max. VS/Sec. Gov. Check-RPM @ PSI						2223 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI						2223 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	39 @ 500	36 @ 500	30 @ 500	28 @ 500	48 @ 600		22
23 Idle Speed cc @ RPM-Auto.	210 @ 630	200 @ 650	200 @ 650	210 @ 600	200 @ 755	200 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	181 @ 2100	164 @ 2100	158 @ 1900	141 @ 2100	146 @ 1800	147 @ 1900	25
26 Calibration Flow	505	482	469	358	476	296	26
27 Check Point (1) PSI @ RPM	116 - 122 @ 1300	110 - 116 @ 1300	109 - 115 @ 1300	108 - 114 @ 1300	111 - 117 @ 1300	125 - 132 @ 1300	27
28 Check Point (1) Flow	398	391	383	311	414	273	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	22 - 141630	22 - 141630	22 - 141630	30 - 141633	25 - 141631	15 - 139894	34
35 Fuel Pump Housing		3038668					35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	143253 - .000	143253 - .000	3051817 - .000	3004753 - .000	3004754 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040760	3040760	3040750	40
41 Torque Spring - Shims - Gage Height	3002053 - .040 -	139586 - .010 - .660	138787 - .050 -	3002052 - .010 -	138790 - .010 -	3053165 - .105 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109687 - .040	70821 - .000	109687 - .000	109686 - .000	109686 - .000	42
43 VS Gov. Idle Spring						70778	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	4 - 1.9	8 - 3.9	8 - 3.9	4 - 1.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 25	1600 - 59	1600 - 59	1600 - 17	1600 - 61	1600 - 34	49
50 AFC Flow - pph	162	272	272	104	272	123	50
51 AFC Spring - Gage Height-In.	179828 -	179834 -	179834 -	179822 -	179828 -	3007694 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 53	1600 - 42	1600 - 42	1600 - 65	1600 - 58	1600 - 52	53
54 AFC No Air Flow	249	224	224	232	277	164	54
55 ASA Valve		3042360					55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1986 EPA	1986 EPA	1986 EPA	1986 EPA	1986 CARB	1988 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-400	NTC-400	NTC-400	NTC-315	NTCC -315	NTC-365	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE 3038668 HOUSING; REF. USE .115 SHIMS ON ROADSPEED GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2283 RPM @ 15 PSI. SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WIT AIR OFF, SET TO 2200-2250 WITH AIR ON. ROADSPEED GOVERNOR CHECK AT 15 PSI 2093-2223 RPM.
- (2) SET ROADSPEED GOVERNOR BREAK TO 1885-1905 RPM WITH AIR OFF, SET TO 2262-2312 WITH AIR ON.
- (3) USE .040 ON VS GOV. SPRING. MIN. GOV. CHECK 2101 @ 15 PSI. A 3042360 ASA IS REQUIRED. REF. 3038668 HSG. SET ROADSPEED GOVERNOR BREAK TO 1700 RPM WITH AIR OFF, SET TO 2000-2050 WITH AIR ON. ROADSPEED GOV CK OF 1910-1989 RPM @ 15 PSI.
- (4) USE A 3038668 HOUSING; REF. USE .030 ON VS GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2243 RPM AT 15 PSI SET ROADSPEED GOVERNOR BREAK TO 1900 RPM WIT AIR OFF. ROADSPEED GOVERNOR CHECK OF 2065 TO 2223 RPM AT 15 PSI. INSTALL TAMPERPROOF SEALS AFTER CALIBRATION.
- (5) USE A 3038668 HSG; REF. USE A .030 ON VS GOV. SPRING. MIN. GOV. CHECK OF 1967 RPM @ 15 PSI. SET ROADSPEED GOV. TO 1900-1950 W/AIR ON. SET ROADSPEED GOV. BREAK @ 1600 RPM W/AIR OFF. ROADSPEED GOV. CHECK OF 1784-1872 RPM @ 15 PSI. SEAL PUMP AFTER CALIBRATION.
- (6) USE A 3038668 HOUSING; USE A 3042360 HYD. AS REF. USE .160 SHIMS ON AUTO GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2083 RPM AT 15 PSI

1 Pump Code	9401-A	9402-C	9403-D	9404-D	9405-C	9406-C	1
2 Date - Control Parts List	SEP91 - 1210	MAY91 - 1211	MAY91 - 1211	MAY91 - 1211	MAY91 - 1211	MAY91 - 1211	2
3 Test HP @ RPM	435 - 453 @ 2100	392 - 408 @ 2100	392 - 408 @ 1800	358 - 372 @ 1800	358 - 372 @ 2100	392 - 408 @ 1900	3
4 Governed Speed-RPM		2100	1800	1800	2100	1900	4
5 Engine Fuel PSI	198 - 218	175 - 193	165 - 181	146 - 162	151 - 167	169 - 187	5
6 Fuel Rate Pound Per Hour	155 - 161	139 - 145	131 - 137	120 - 125	127 - 133	132 - 138	6
7 Intake Manifold Press. In./Hg	49 - 57	39 - 47	37 - 45	33 - 41	36 - 44	38 - 46	7
8 Torque Rise % - Curve	26 -	32 -	14 -	24 -	45 -	20 -	8
9 Torque Peak - PSI @ RPM		- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2195 - 2215	2195 - 2215	1880 - 1900	1880 - 1900	2195 - 2215	1985 - 2005	11
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	2120 - 2140	1820 - 1840	1820 - 1840	2120 - 2140	1920 - 1940	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2657 @ 15	2306 @ 15	2306 @ 15	2657 @ 15	2423 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI		2457 @ 15	2106 @ 15	2106 @ 15	2457 @ 15	2223 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2106 @ 15	2106 @ 15	2457 @ 15	2223 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2282 @ 15	2012 @ 15	1994 @ 15	2266 @ 15	2101 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	35 @ 500						22
23 Idle Speed cc @ RPM-Auto.	220 @ 630	200 @ 700	200 @ 700	200 @ 700	200 @ 700	210 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	208 @ 2100	183 @ 2100	173 @ 1800	154 @ 1800	159 @ 2100	178 @ 1900	25
26 Calibration Flow	372	314	300	280	310	324	26
27 Check Point (1) PSI @ RPM	161 - 167 @ 1500	132 - 138 @ 1300	133 - 140 @ 1300	131 - 138 @ 1300	132 - 139 @ 1300	133 - 140 @ 1300	27
28 Check Point (1) Flow	324	264	261	260	281	279	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141629	17 - 140417	17 - 140417	15 - 139894	15 - 139894	15 - 139894	34
35 Fuel Pump Housing		3038668	3038668	3038668	3038668	3038668	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143252 - .000	153238 - .000	153235 - .000	3004754 - .000	3053101 - .000	153238 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053165 - .075 -	3821491 - .020 -	138802 - .040 -	3053160 - .100 -	3053169 - .130 -	3002054 - .010 -	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109687 - .000	3069725 - .000	109686 - .000	109687 - .000	3069725 - .000	42
43 VS Gov. Idle Spring	70778	70778	153240	70778	70778	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 36	1300 - 30	1300 - 30	1300 - 30	1300 - 30	1300 - 30	49
50 AFC Flow - pph	142	108	108	108	108	108	50
51 AFC Spring - Gage Height-In.	3007696 -	3007694 -	3007694 -	3007694 -	3007694 -	3007694 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 47	1300 - 51	1300 - 51	1300 - 51	1300 - 51	1300 - 51	53
54 AFC No Air Flow	159	148	148	148	148	148	54
55 ASA Valve		3042360	3042360	3042360	3042360	3042360	55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	62
63 Certified Year/Agency		1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-444	NTC-400	NTC-400	NTC-365	NTC-365	NTC-400	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE A 3057808 HOUSING; USE AN AIR SIDE ASA 3062159; USE A CLASS FIT AFC ASSEMBLY 3041494. REF: USE .120 SHIMS ON AUTO GOVERNOR SPRING MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI
- (2) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA. REF: USE .135 SHIMS ON AUTO GOV. SPRING. MINIMUM GOVERNOR CHECK OF 2282 RPM @ 15 PSI.
- (3) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA. REF: USE .170 SHIMS ON AUTO GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2012 RPM @ 15 PSI.
- (4) PRESSURIZED GEAR PUMP; USE A 3038668 HSG. USE A 3042360 HYD. ASA REF: USE 0.140 SHIMS ON AUTO GOVERNOR. MIN GOVERNOR CHECK OF 1994 RPM AT 15 PSI.
- (5) USE A 3038668 HOUSING; USE A 3042360 HYD. AS REF: USE .170 SHIM ON AUTO GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2266 RPM @ 15 PSI.
- (6) USE A 3038668 HOUSING; USE A 3042360 HYD. ASA; REF: USE .120 SHIMS ON AUTO GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2101 RPM @ 15 PSI.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 9407-E - 9412-D

1 Pump Code	9407-E	9408-D	9409-C	9410-E	9411-A	9412-D	1
2 Date - Control Parts List	MAY91 - 1211	MAY92 - 1194	JUN92 - 0413	JUN93 - 1204	SEP92 - 0908	JUN93 - 0413	2
3 Test HP @ RPM	358 - 372 @ 1900	370 - 377 @ 1900	186 - 194 @ 2100	328 - 342 @ 2100	421 - 439 @ 2000	191 - 199 @ 1800	3
4 Governed Speed-RPM	1900						4
5 Engine Fuel PSI	148 - 162	154 - 170	111 - 123	110 - 122	147 - 163	116 - 128	5
6 Fuel Rate Pound Per Hour	123 - 129	129 - 135	72 - 74	119 - 123	149 - 155	72 - 75	6
7 Intake Manifold Press. In./Hg	34 - 42	47 - 55		37 - 45	42 - 50		7
8 Torque Rise % - Curve	31 -	33 -	19 -	29 -	14 -	2 -	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1200	- @ 1400		- @ 1500	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1985 - 2005	1990 - 2010	2195 - 2215	2195 - 2215	2090 - 2110	2195 - 2215	11
12 VS/Sec. Gov. Setting-RPM	1920 - 1940	1920 - 1940	2120 - 2140	2120 - 2140	2020 - 2040	1820 - 1840	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2423 @ 15	2423 @ 15	2657 @ 15	2657 @ 15		2400 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2223 @ 15	2457 @ 15	2457 @ 15		2010 @ 40	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2223 @ 15	2223 @ 15	2457 @ 15	2390 @ 15	2300 @ 15	2010 @ 40	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2083 @ 15	2086 @ 15	2186 @ 15	2252 @ 15	2300 @ 15	1890 @ 40	19
20 Throttle Leakage-cc - pph	110 -			110 -		110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, - 1		28, - 1	28, -	28, - 1	21
22 Idle Speed PSI @ RPM-Auto.		27 @ 770	34 @ 500	32 @ 500	32 @ 600	21 @ 500	22
23 Idle Speed cc @ RPM-Auto.	200 @ 700	220 @ 530	200 @ 620	240 @ 640	215 @ 700	190 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 800 - 240	@ 620 - 200	@ 840 - 235		@ 600 - 190	24
25 Calibration PSI @ RPM	155 @ 1900	162 @ 1900	117 @ 2100	116 @ 2100	162 @ 2000	121 @ 1800	25
26 Calibration Flow	304	463	287	415	638	285	26
27 Check Point (1) PSI @ RPM	131 - 138 @ 1300	139 - 146 @ 1300	58 - 65 @ 1200	89 - 95 @ 1400	114 - 121 @ 1400	90 - 96 @ 1500	27
28 Check Point (1) Flow	278	430	197	362	533	240	28
29 Check Point (2) PSI @ RPM						44 - 52 @ 1000	29
30 Check Point (2) Flow						155	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143855	33
34 Idle Plunger Code - Part No.	12 - 141626	5 - 141623	55 - 139619	37 - 140418	25 - 141631	50 - 140925	34
35 Fuel Pump Housing	3038668	3038668	3042216	3038668		3035694	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	144195	36
37 Auto. Gov. Spring - Ref. Shims	3004754 - .000	3052122 - .280	3000937 - .120	143253 - .105	143252 - .000	3001161 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	1.000	.430	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3010810	40
41 Torque Spring - Shims - Gage Height	3053165 - .105 -	3053178 - .070 - .670	3053161 - .075 - .575	3053166 - .105 - .605	3053158 - .080 -		41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	70821 - .000	109686 - .000	109687 - .000	109686 - .000	70821 - .000	42
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	70778	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	AR40230	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9		6 - 2.9	8 - 3.9		48
49 AFC RPM - PSI	1300 - 30	1300 - 72		1400 - 45	1400 - 36		49
50 AFC Flow - pph	108	296		240			50
51 AFC Spring - Gage Height-In.	3007694 -	179824 -		179818 -	179834 -		51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1300 - 51	1300 - 83		1400 - 64	1400 - 56		53
54 AFC No Air Flow	148	320		297	348		54
55 ASA Valve	3042360						55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve					3028325	135505	61
62 Certified Year/Agency	1988 CARB						62
63 Certified Year/Agency	1991 EPA						63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-365	NTA-855-A370	N-855-C	NTA-855-C	NTA-855-C450	N-855-M	66
67 Notes	SEE NOTE (1)				SEE NOTE (5)	SEE NOTE (6)	67

NOTES

(1) USE A 3038668 HOUSING; USE A 3042360 HYD. AS REF: USE .130 SHIMS ON AUTO GOVERNOR SPRING MINIMUM GOVERNOR CHECK OF 2083 RPM AT 15 PSI

(5) USE A 3038668 HOUSING; FOR USE WITH CHECK VALVE ONLY. REF: USE .125 SHIMS ON AUTO GOVERNOR SPRING MINIMUM GOVERNOR CHECK OF 2205 RPM AT 15 PSI SET VS IDLE TO 215 CC/MIN. AT 800 RPM. VS SERVICE IDLE 49 PSI AT 750 RPM.

(6) FOR USE WITH OR WITHOUT 185505 CHECK VALVE

1 Pump Code	9414-C	9415-C	9416-C	9417-C	9418-B	9419-A	
2 Date - Control Parts List	JUN93 - 1204	JUN93 - 1204	JUN93 - 1204	JUN93 - 1204	JUN92 - 1204	OCT91 - 1204	1
3 Test HP @ RPM	353 - 367 @ 2100	353 - 367 @ 2100	328 - 342 @ 2100	328 - 342 @ 2100	343 - 357 @ 1800	343 - 357 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	122 - 134	122 - 134	110 - 122	110 - 122	112 - 124	112 - 124	4
6 Fuel Rate Pound Per Hour	125 - 131	125 - 131	119 - 123	119 - 123	117 - 121	117 - 121	5
7 Intake Manifold Press. In./Hg	42 - 50	42 - 50	38 - 46	38 - 46	35 - 43	35 - 43	6
8 Torque Rise % - Curve	20 -	20 -	20 -	20 -	6 -	6 -	7
9 Torque Peak - PSI @ RPM	- @ 1400	- @ 1400	- @ 1400	- @ 1400	- @ 1400	- @ 1400	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	1880 - 1900	1880 - 1900	10
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	2120 - 2140	2120 - 2140	2120 - 2140	1820 - 1840	1820 - 1840	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2657 @ 15	2657 @ 15	2500 @ 15	2510 @ 15	2306 @ 15		13
15 Min. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2400 @ 15	2390 @ 15	2106 @ 15		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2420 @ 15	2420 @ 15	2106 @ 15	2106 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2264 @ 15	2264 @ 15	2252 @ 15	2252 @ 15	1986 @ 15	2106 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto. VS, Lev	28, - 2	28, - 1	28, - 2	28, - 2	28, - 2	28, -	20
22 Idle Speed PSI @ RPM-Auto.	30 @ 500	31 @ 500	29 @ 500	29 @ 500	32 @ 500	32 @ 500	21
23 Idle Speed cc @ RPM-Auto.	240 @ 640	240 @ 640	240 @ 640	240 @ 640	240 @ 640	240 @ 640	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 640 - 240	@ 640 - 240	@ 640 - 240	@ 770 - 235	@ 640 - 240	@ 640 - 240	23
25 Calibration PSI @ RPM	128 @ 2100	136 @ 2100	116 @ 2100	124 @ 2100	118 @ 1800	126 @ 1800	24
26 Calibration Flow	438	438	415	415	415	415	25
27 Check Point (1) PSI @ RPM	89 - 96 @ 1400	95 - 102 @ 1400	80 - 87 @ 1400	86 - 93 @ 1400	90 - 97 @ 1400	96 - 103 @ 1400	26
28 Check Point (1) Flow	366	366	346	346	364	364	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	40 - 137370	37 - 140418	45 - 138862	42 - 140923	35 - 140922	32 - 141634	33
35 Fuel Pump Housing	3038668	3038668	3038668	3038668	3038668		34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153237 - .170	153237 - .170	153237 - .170	153237 - .170	153236 - .075	153236 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3002055 - .020 - .620	3002055 - .020 - .620	3002055 - .020 - .620	3002055 - .020 - .620	138799 - .020 - .570	138799 - .020 -	40
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109687 - .000	109687 - .000	109687 - .000	109686 - .000	109686 - .000	41
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly				3031298			46
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	47
49 AFC RPM - PSI	1400 - 45	1400 - 45	1400 - 45	1400 - 45	1400 - 45	1400 - 45	48
50 AFC Flow - pph	240	240	240	240	240	240	49
51 AFC Spring - Gage Height-In.	179818 -	179818 -	179818 -	179818 -	179818 -	179818 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1400 - 64	1400 - 64	1400 - 64	1400 - 64	1400 - 64	1400 - 64	52
54 AFC No Air Flow	297	297	297	297	297	297	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve				3028325			60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTA-855-C	NTA-855-C	NTA-855-C	NTA-855-C	NTA-855-C	NTA-855-C	65
67 Notes				SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

(4) FOR USE WITH CHECK VALVE ONLY

(5) MINIMUM GOVERNOR CHECK OF 1986 RPM @ 15 PSI.

(6) USE A 3038668 HOUSING; FOR USE WITH CHECK VALVE ONLY) REF: USE .075 SHIMS ON AUTO GOVERNOR SPRING MINIMUM GOVERNOR CHECK OF 1986 RPM AT 15 PSI

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 9420-E - 9425-B

1 Pump Code	9420-E	9421-B	9422-C	9423-C	9424-E	9425-B	
2 Date - Control Parts List	MAY93 - 1193	JUN93 - 1204	JUN93 - 1193	MAY93 - 1193	JUN93 - 1204	JUN93 - 1204	1
3 Test HP @ RPM	426 - 444 @ 1800	284 - 296 @ 1900	441 - 459 @ 2100	490 - 510 @ 2100	304 - 316 @ 2100	221 - 230 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	149 - 165	87 - 97	169 - 187	199 - 219	105 - 115	62 - 68	4
6 Fuel Rate Pound Per Hour	145 - 151	100 - 104	162 - 168	176 - 184	110 - 114	78 - 82	5
7 Intake Manifold Press. In./Hg	48 - 56	30 - 38	54 - 64	54 - 64	36 - 44	20 - 26	6
8 Torque Rise % - Curve	6 -	25 -	20 -	8 -	20 -	9 -	7
9 Torque Peak - PSI @ RPM	- @ 1400	- @ 1400	- @ 1400	- @ 1400	- @ 1400	- @ 1400	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2010 - 2030	1985 - 2005	2195 - 2215	2195 - 2215	2195 - 2215	1880 - 1900	10
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	1920 - 1940	2120 - 2140	2120 - 2140	2120 - 2140	1820 - 1840	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2350 @ 15	2423 @ 15	2657 @ 15	2657 @ 15	2657 @ 15	2306 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2150 @ 15	2223 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2106 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2138 @ 15	2223 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2106 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2063 @ 15	2046 @ 15	2305 @ 15	2327 @ 15	2289 @ 15	1919 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, 13 - 1	28, - 2	28, - 2	28, - 2	28, 21 - 1	28, - 1	20
22 Idle Speed PSI @ RPM-Auto.	47 @ 600	29 @ 500	28 @ 500	59 @ 600	37 @ 600	19 @ 500	21
23 Idle Speed cc @ RPM-Auto.	230 @ 760	240 @ 640	230 @ 610	230 @ 760	230 @ 770	240 @ 640	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 1070 - 210	@ 640 - 240	@ 610 - 230	@ 760 - 230	@ 775 - 220	@ 640 - 240	23
25 Calibration PSI @ RPM	160 @ 1800	99 @ 1900	178 @ 2100	209 @ 2100	110 @ 2100	65 @ 1800	24
26 Calibration Flow	642	375	641	720	393	305	25
27 Check Point (1) PSI @ RPM	117 - 124 @ 1400	87 - 93 @ 1400	113 - 120 @ 1400	118 - 124 @ 1400	74 - 80 @ 1400	47 - 54 @ 1400	26
28 Check Point (1) Flow	545	356	503	532	322	263	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	27 - 141632	35 - 140922	30 - 141633	27 - 141632	55 - 139619	170 - 145947	33
35 Fuel Pump Housing	3038668	3038668	3038668	3038668	3038668	3038668	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3001156 - .115	3053101 - .240	3001155 - .155	147296 - .145	153236 - .130	153237 - .110	36
38 Gear Pump Size In.	1.000	.750	1.000	1.000	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height		3053166 - .090 - .590	138802 - .045 - .595	138805 - .000 - .500	3053165 - .075 - .575	3053156 - .050 - .550	40
42 VS Gov. Max. Spring - Ref. Shims	70822 - .000	109686 - .000	70822 - .000	109687 - .000	109687 - .000	109686 - .000	41
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	8 - 3.9	6 - 2.9	8 - 3.9	8 - 3.9	6 - 2.9	6 - 2.9	47
49 AFC RPM - PSI	1400 - 36	1400 - 45	1400 - 36	1400 - 36	1400 - 45	1400 - 45	48
50 AFC Flow - pph	276	240	276	276	240	240	49
51 AFC Spring - Gage Height-In.	179834 -	179818 -	179834 -	179834 -	179818 -	179818 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1400 - 62	1400 - 64	1400 - 62	1400 - 62	1400 - 64	1400 - 48	52
54 AFC No Air Flow	342	297	342	342	297	240	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve		3028325					60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTA-855-C	NTA855-G335	NTA-855-C-450	NTA-855-C500	NTA-855-C	NTA-855-P	65
67 Notes		SEE NOTE (2)					66

NOTES

(2) FOR USE WITH CHECK VALVE ONLY

1 Pump Code	9426-B	9427-B	9428-A	9429-E	9430-G	9432-A	1
2 Date - Control Parts List	MAY91 - 0657	JUN92 - 0413	MAY91 - 0650	MAY93 - 1193	MAY93 - 1193	DEC91 - 0840	2
3 Test HP @ RPM	360 - 367 @ 2100	186 - 194 @ 1700	325 - 332 @ 2100	365 - 379 @ 1800	422 - 448 @ 1800	343 - 357 @ 2100	3
4 Governed Speed-RPM						2100	4
5 Engine Fuel PSI	135 - 149	113 - 125	110 - 122	122 - 134	149 - 165	153 - 169	5
6 Fuel Rate Pound Per Hour	128 - 134	71 - 73	117 - 121	128 - 134	148 - 154	121 - 125	6
7 Intake Manifold Press. In./Hg	42 - 50		34 - 42	36 - 44	46 - 56	36 - 44	7
8 Torque Rise % - Curve	33 -	10 -	30 -	6 -	6 -	31 -	8
9 Torque Peak - PSI @ RPM		- @ 1500		- @ 1400	109 - 128 @ 1400	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2195 - 2215	1750 - 1770	2195 - 2215	2195 - 2215	2010 - 2030	2195 - 2215	11
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	1720 - 1740	2120 - 2140	1820 - 1840	1820 - 1840	2120 - 2140	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2189 @ 15		2500 @ 15	2275 @ 15	2657 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI		1989 @ 15		2400 @ 15	2175 @ 15	2457 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	1989 @ 15	2457 @ 15	2106 @ 15	2138 @ 15	2457 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	1807 @ 15	2457 @ 15	1997 @ 15	2063 @ 15	2259 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, - 2	28, -	28, - 2	28, 15 - 1	28, -	21
22 Idle Speed PSI @ RPM-Auto.	42 @ 500	27 @ 500	32 @ 500	29 @ 500	47 @ 600	33 @ 500	22
23 Idle Speed cc @ RPM-Auto.	240 @ 630	200 @ 630	240 @ 620	230 @ 660	230 @ 760	220 @ 630	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 630 - 200		@ 660 - 230	@ 900 - 220		24
25 Calibration PSI @ RPM	142 @ 2100	119 @ 1700	116 @ 2100	128 @ 1800	160 @ 1800	161 @ 2100	25
26 Calibration Flow	447	242	405	576	642	439	26
27 Check Point (1) PSI @ RPM	121 - 128 @ 1400	105 - 112 @ 1500	93 - 100 @ 1400	91 - 98 @ 1400	117 - 124 @ 1400	102 - 109 @ 1300	27
28 Check Point (1) Flow	416	230	364	485	545	345	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141629	45 - 138862	35 - 140922	37 - 140418	27 - 141632	30 - 141633	34
35 Fuel Pump Housing		3038668		3038668	3038668	3038668	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004754 - .000	3053111 - .255	3004753 - .000	147295 - .175	3001156 - .115	153236 - .115	37
38 Gear Pump Size In.	.750	.750	.750	.750	1.000	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053172 - .100 -	3053174 - .000 - .500	3821491 - .025 -	109687 - .000	70822 - .000	3002058 - .005 - .605	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	70821 - .000	109687 - .000	153240	153240	109687 - .000	42
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI				8 - 3.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI				1400 - 36	1400 - 36	1300 - 52	49
50 AFC Flow - pph				276	276	234	50
51 AFC Spring - Gage Height-In.				179834 -	179834 -	179830 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI				1400 - 62	1400 - 62	1300 - 54	53
54 AFC No Air Flow				342	342	238	54
55 ASA Valve						3042360	55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency						1989 CARB	62
63 Certified Year/Agency						1991 EPA	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-A	N-855-C	NTA-855-A	NTA-855-P	NTA-855-C	NTC-350	66
67 Notes	SEE NOTE (1)		SEE NOTE (3)				67

NOTES

- (1) AFC; USE A 3038668 HOUSING; REF.: USE .240 SHIMS ON AUTO GOVERNOR SPRING VS IDLE SETTING 240 CC/MIN. @ 1045 RPM. VS SERVICE IDLE 49 PSI @ 940 RPM. MINIMUM GOVERNOR CHECK OF 2265 RPM AT 15 PSI
- (3) AFC; USE A 3038668 HOUSING; REF.: USE .120 SHIMS ON AUTO GOVERNOR SPRING. VS IDLE SETTING 220 CC/MIN. AT 1235 RPM. VS SERVICE IDLE 45 PSI AT 1150 RPM. MINIMUM GOVERNOR CHECK OF 2249 RPM AT 15 PSI

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 9433-A - 9438-C

1 Pump Code	9433-A	9434-C	9435-A	9436-B	9437-D	9438-C	1
2 Date - Control Parts List	SEP92 - 0413	JUN93 - 1193	OCT91 - 1204	MAY93 - 0909	APR91 - 1256	JUN92 - 1204	2
3 Test HP @ RPM	167 - 173 @ 2100	421 - 439 @ 2000	343 - 357 @ 2000	390 - 406 @ 2000	435 - 453 @ 2100	221 - 230 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	89 - 99	156 - 172	116 - 128	152 - 168	173 - 191	62 - 68	5
6 Fuel Rate Pound Per Hour	64 - 66	156 - 162	120 - 124	135 - 141	156 - 162	78 - 82	6
7 Intake Manifold Press. In./Hg		47 - 55	37 - 45	46 - 54	41 - 49	20 - 26	7
8 Torque Rise % - Curve	25 -	14 -	20 -	15 -	26 -	9 -	8
9 Torque Peak - PSI @ RPM		- @ 1400		- @ 1400		- @ 1400	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2195 - 2215	2090 - 2110	2090 - 2110	2090 - 2110	2195 - 2215	1880 - 1900	11
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	2020 - 2040	2020 - 2040	2020 - 2040	2120 - 2140	1820 - 1840	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2500 @ 15		2540 @ 15	2647 @ 15	2306 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI		2300 @ 15		2340 @ 15	2447 @ 15	2106 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2300 @ 15	2340 @ 15	2340 @ 15	2447 @ 15	2106 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2205 @ 15	2340 @ 15	2190 @ 15	2292 @ 15	1919 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, - 1	28, -	28, - 1	28, -	28, - 1	21
22 Idle Speed PSI @ RPM-Auto.	23 @ 500	35 @ 500	32 @ 500	32 @ 500	44 @ 620	19 @ 500	22
23 Idle Speed cc @ RPM-Auto.	200 @ 630	230 @ 560	240 @ 640	200 @ 650	220 @ 710	240 @ 640	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 760 - 230		@ 650 - 220		@ 640 - 240	24
25 Calibration PSI @ RPM	100 @ 2100	174 @ 2000	122 @ 2000	160 @ 2000	182 @ 2100	72 @ 1800	25
26 Calibration Flow	258	613	437	489	344	305	26
27 Check Point (1) PSI @ RPM	64 - 70 @ 1300	112 - 118 @ 1400	91 - 97 @ 1400	109 - 116 @ 1400	150 - 157 @ 1500	53 - 59 @ 1400	27
28 Check Point (1) Flow	206	486	378	401	311	263	28
29 Check Point (2) PSI @ RPM					81 - 94 @ 920		29
30 Check Point (2) Flow					224		30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.790 - 3074242	.800 - 143854	33
34 Idle Plunger Code - Part No.	55 - 139619	30 - 141633	40 - 137370	32 - 141634	67 - 141638	3038668	34
35 Fuel Pump Housing		3038668		3038668	3054344	3038668	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000940 - .000	3001156 - .120	143253 - .000	153236 - .145	3001147 - .110	153237 - .110	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053166 - .100 -	138996 - .050 - .550	3053164 - .080 -	3053158 - .060 - .562	3053164 - .105 - .605	3053156 - .050 - .550	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	42
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI		8 - 3.9	6 - 2.9	8 - 3.9	8 - 3.9	6 - 2.9	48
49 AFC RPM - PSI		1400 - 36	1400 - 45	1400 - 58	1600 - 73	1400 - 45	49
50 AFC Flow - pph		276	240	276	207	240	50
51 AFC Spring - Gage Height-In.		179834 -	179818 -	179824 -	3007696 -	179818 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI		1400 - 62	1400 - 64	1400 - 76	1600 - 49	1400 - 48	53
54 AFC No Air Flow		342	297	321	164	240	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	3028325	185505				185505	61
62 Certified Year/Agency					1989 CARB		62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N-855-P	NTA-855-C450	NTA-855-C	NTA-855-C	89-NTC-444	NTA-855-P	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)		SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) AFC; USE A 3038668 HOUSING; FOR USE WITH CHECK VALVE ONLY] REF.: USE .175 SHIMS ON AUTO GOVERNOR SPRING MINIMUM GOVERNOR CHECK OF 2177 RPM AT 15 PSI
(2) FOR USE WITH CHECK VALVE ONLY]
- (3) USE A 3038668 HOUSING; REF. USE .155 SHIMS ON AUTO GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2167 RPM @ 15 PSI.
- (5) USE A 3067834 HOUSING; USE A CLASS FIT AFC ASSEMBLY P/N 3067834; USE A 3068170 BIAS SPRING. MINIMUM GOVERNOR CHECK OF 2292 RPM @ 15 PSI. CK.PT. TWO 81-97 PSI @ 224 PPH @ 920 RPM. REF: USE .110 SHIMS ON AUTO GOVERNOR SPRING. CONTAINS STEEL PRELOADED WT. ASST.
- (6) FOR USE WITH CHECK VALVE ONLY

1 Pump Code	9439-B	9440-B	9441-B	9442-B	9443-D	9444-G	1
2 Date - Control Parts List	JUN92 - 1204	JUN93 - 1204	JUN93 - 1193	JUN93 - 0909	JUN93 - 0909	MAR91 - 1280	2
3 Test HP @ RPM	351 - 365 @ 2000	270 - 281 @ 1800	441 - 459 @ 2100	392 - 408 @ 2100	319 - 332 @ 1800	435 - 453 @ 2100	3
4 Governed Speed-RPM						2100	4
5 Engine Fuel PSI	120 - 132	81 - 89	169 - 187	157 - 173	109 - 121	173 - 191	5
6 Fuel Rate Pound Per Hour	122 - 126	93 - 97	162 - 168	140 - 146	109 - 113	156 - 162	6
7 Intake Manifold Press. In./Hg	38 - 46	26 - 32	54 - 64	48 - 58	36 - 44	41 - 49	7
8 Torque Rise % - Curve	15 -	8 -	20 -	20 -	8 -	26 -	8
9 Torque Peak - PSI @ RPM	- @ 1400	- @ 1400	- @ 1400	- @ 1400	- @ 1400	- @ 1500	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2090 - 2110	1880 - 1900	2195 - 2215	2195 - 2215	1880 - 1900	2195 - 2215	11
12 VS/Sec. Gov. Setting-RPM	2020 - 2040	1820 - 1840	2120 - 2140	2120 - 2140	1820 - 1840	2120 - 2140	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2540 @ 15	2306 @ 15	2657 @ 15	2657 @ 15	2205 @ 15	2647 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2340 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	2090 @ 15	2447 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2340 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	2100 @ 15	2447 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2171 @ 15	1946 @ 15	2304 @ 15	2282 @ 15	1985 @ 15	2292 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -		110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, - 2	28, - 1		28, - 2	28, - 1	28, 20 -	21
22 Idle Speed PSI @ RPM-Auto.	31 @ 500	25 @ 500	45 @ 500	33 @ 500	29 @ 500	44 @ 620	22
23 Idle Speed cc @ RPM-Auto.	240 @ 640	240 @ 640	230 @ 610	200 @ 650	200 @ 650	220 @ 710	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 640 - 240	@ 640 - 240	@ 610 - 230	@ 650 - 200	@ 650 - 200		24
25 Calibration PSI @ RPM	126 @ 2000	85 @ 1800	178 @ 2100	165 @ 2100	115 @ 1800	182 @ 2100	25
26 Calibration Flow	444	356	641	499	407	344	26
27 Check Point (1) PSI @ RPM	91 - 97 @ 1400	63 - 70 @ 1400	112 - 119 @ 1400	110 - 117 @ 1400	86 - 93 @ 1400	150 - 157 @ 1500	27
28 Check Point (1) Flow	377	310	502	402	354	311	28
29 Check Point (2) PSI @ RPM						81 - 94 @ 920	29
30 Check Point (2) Flow						224	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.790 - 3074242	33
34 Idle Plunger Code - Part No.	40 - 137370	60 - 140927	27 - 141632	32 - 141634	42 - 140923	20 - 141629	34
35 Fuel Pump Housing	3038668	3038668	3042216	3038668	3038668	3069255	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143252 - .105	153237 - .115	3001155 - .145	3001155 - .125	153236 - .085	3001147 - .110	37
38 Gear Pump Size In.	.750	.750	1.000	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	212350	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053164 - .070 - .570	3053156 - .050 - .550	138802 - .045 - .595	3002053 - .020 - .620	138799 - .010 - .560	3053164 - .105 - .605	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	70822 - .000	70822 - .000	109686 - .000	109687 - .000	42
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	8 - 3.9	8 - 3.9	8 - 3.9	9 - 4.4	48
49 AFC RPM - PSI	1400 - 45	1400 - 45	1400 - 36	1400 - 58	1400 - 58	1600 - 73	49
50 AFC Flow - pph	240	240	276	276	276	207	50
51 AFC Spring - Gage Height-In.	179818 -	179818 -	179834 -	179824 -	179824 -	3007696 - .117	51
52 AFC Bias Spring						3068170	52
53 AFC No Air RPM - PSI	1400 - 64	1400 - 57	1400 - 62	1400 - 76	1400 - 76	1600 - 49	53
54 AFC No Air Flow	297	282	342	321	324	164	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency						1989 CARB	62
63 Certified Year/Agency						1991 EPA	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-C	NTA-855-P	NTA-855-P	NTA-855-P	NTA-855-P	89-NTC-444	66
67 Notes						SEE NOTE (6)	67

NOTES

(6) USE A 3069255 HOUSING; USE A CLASS FIT AFC ASSEMBLY P/N 3067834; USE A 3068170 BIAS SPRING. MINIMUM GOVERNOR CHECK OF 2292 RPM @ 15 PSI. CK.PT. TWO 81-94 PSI @ 224 PPH @ 920 RPM. REF. USE .110 SHIMS ON AUTO GOVERNOR SPRING. CONTAINS STEEL PRELOADED WT. ASST.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 9445-B - 9450-A

1 Pump Code	9445-B	9446-B	9447-B	9448-B	9449-A	9450-A	
2 Date - Control Parts List	JAN90 - 1187	MAY91 - 0657	JUN93 - 1193	MAY91 - 1188	MAY91 - 1255	MAY92 - 1255	1
3 Test HP @ RPM	294 - 306 @ 1700	375 - 388 @ 2100	430 - 439 @ 2100	343 - 357 @ 1700	325 - 332 @ 2100	310 - 316 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	109 - 121	142 - 158	165 - 183	137 - 151	111 - 123	105 - 117	4
6 Fuel Rate Pound Per Hour	93 - 97	133 - 139	156 - 162	112 - 116	115 - 119	110 - 114	5
7 Intake Manifold Press. In./Hg	28 - 36	40 - 48	50 - 58	36 - 44	36 - 44	35 - 43	6
8 Torque Rise % - Curve	24 -	35 -	30 -	23 -	30 -	30 -	7
9 Torque Peak - PSI @ RPM	- @ 1500		- @ 1400				8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1775 - 1795	2195 - 2215	2195 - 2215	1775 - 1795	2195 - 2215	2195 - 2215	10
12 VS/Sec. Gov. Setting-RPM		2120 - 2140	2120 - 2140		2120 - 2140	2120 - 2140	11
13 Cruise Speed-PSI @ RPM	72 - 82 @			92 - 103 @ 1817			12
14 Max. Auto. Gov. Check-RPM @ PSI	2189 @ 15	2657 @ 15	2657 @ 15	2174 @ 15	2657 @ 15	2657 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	1989 @ 15	2457 @ 15	2457 @ 15	1974 @ 15	2457 @ 15	2457 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	1989 @ 15	2457 @ 15	2457 @ 15	1974 @ 15	2457 @ 15	2457 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1869 @ 15	2272 @ 15	2297 @ 15	1881 @ 15	2249 @ 15	2242 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	39 @ 500	45 @ 500	41 @ 500	31 @ 500	29 @ 500	29 @ 500	21
23 Idle Speed cc @ RPM-Auto.	230 @ 620	200 @ 650	230 @ 660	220 @ 700	240 @ 640	240 @ 640	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc			@ 660 - 230				23
25 Calibration PSI @ RPM	115 @ 1700	150 @ 2100	174 @ 2100	144 @ 1700	117 @ 2100	111 @ 2100	24
26 Calibration Flow	364	505	632	270	400	395	25
27 Check Point (1) PSI @ RPM	84 - 91 @ 1100	129 - 135 @ 1400	128 - 135 @ 1400	103 - 109 @ 1100	91 - 98 @ 1400	85 - 91 @ 1400	26
28 Check Point (1) Flow	312	470	540	226	356	348	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	10 - 141625	20 - 141624	15 - 139894	40 - 137370	47 - 140924	33
35 Fuel Pump Housing	3070269	3038668	3038668	3042122	3038668	3038668	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3036895 - .000	3053101 - .000	143253 - .155	144491 - .000	143254 - .000	3001147 - .000	36
38 Gear Pump Size In.	.750	.750	1.000	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040850	3040750	3040750	3040850	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3053151 - .085 -	3821492 - .040 -	3002058 - .030 - .630	3053159 - .080 -	3821491 - .015 -	3002058 - .040 -	40
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000	109686 - .000	109687 - .000	109686 - .000	109687 - .000	109687 - .000	41
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI			8 - 3.9	8 - 3.9			47
49 AFC RPM - PSI	1100 - 50		1400 - 36	1100 - 37			48
50 AFC Flow - pph	227		276	120			49
51 AFC Spring - Gage Height-In.	179824 -		179834 -	179834 -			50
52 AFC Bias Spring	3051071						51
53 AFC No Air RPM - PSI	1100 - 53		1400 - 62	1100 - 51			52
54 AFC No Air Flow	235		342	148			53
55 ASA Valve							54
56 TMD Set with STS89 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1989 EPA			1989 EPA			61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NT-FT-300	NTA-855-A	NTA-855-A-450	NTC-FLEET-350	NTA-855-A	NTA-855-A	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)		SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE A 3070269 HOUSING; USE A 3058944 CLASS FIT AFC ASSEMBLY; AFC BIAS SPRING 3051071. SET CRUISE ON VS TO (72-82 PSI) AT 1823 RPM. REF.: USE .140 SHIMS ON AUTO GOVERNOR SPRING MINIMUM GOVERNOR CHECK OF 1869 RPM AT 15 PSI
- (2) AFC; USE A 3038668 HOUSING; REF.: USE .220 SHIMS ON AUTO GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2272 RPM @ 15 PSI. SET VS IDLE TO 240 CC/MIN. + - 15 @ 1040 RPM VS SERVICE IDLE 62 PSI @ 920 RPM.
- (4) USE A 3042122 HOUSING; REF.: USE .210 SHIMS ON AUTO GOVERNOR SPRING. SET CRUISE ON VS TO (92-103) @ 1817 RPM. MINIMUM GOVERNOR CHECK OF 1881 RPM @ 15 PSI.
- (5) AFC; USE A 3038668 HOUSING; REF.: USE .215 SHIMS ON AUTO GOVERNOR SPRING SET VS IDLE TO 240 + - 15/CC/MIN. @ 1025 RPM. VS SERVICE IDLE 52 PSI @ 975 RPM. MINIMUM GOVERNOR CHECK OF 2249 RPM @ 15 PSI.
- (6) AFC; USE A 3038668 HOUSING. REF.: USE .120 SHIMS ON AUTO GOVERNOR SPRING SET VS IDLE TO 240 CC/MIN. + - 15 @ 1025 RPM VS SERVICE IDLE 35 PSI @ 1000 RPM. MINIMUM GOVERNOR CHECK OF 2242 RPM @ 15 PSI.

1 Pump Code	9451-A	9452-B	9453-B	9454-B	9455-B	9456-B	
2 Date - Control Parts List	SEP92 - 1255	JUN93 - 0909	JUN93 - 1204	SEP92 - 1252	JUN93 - 0909	MAR92 - 1252	1
3 Test HP @ RPM	335 - 342 @ 2100	392 - 408 @ 2100	304 - 316 @ 2100	400 - 408 @ 2100	392 - 408 @ 2100	360 - 367 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	116 - 128	157 - 173	105 - 115	159 - 175	157 - 173	137 - 151	4
6 Fuel Rate Pound Per Hour	118 - 122	140 - 146	110 - 114	140 - 146	140 - 146	127 - 133	5
7 Intake Manifold Press. In./Hg	37 - 45	48 - 58	36 - 44	48 - 57	48 - 57	44 - 52	6
8 Torque Rise % - Curve	35 -	20 -	20 -	20 -	20 -	33 -	7
9 Torque Peak - PSI @ RPM					@ 1400		8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	10
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	2120 - 2140	2120 - 2140	2120 - 2140	2120 - 2140	2120 - 2140	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2657 @ 15	2657 @ 15	2657 @ 15	2657 @ 15	2657 @ 15	2657 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2254 @ 15	2282 @ 15	2289 @ 15	2284 @ 15	2282 @ 15	2265 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, - 2	28, - 1	28, -	28, - 2	28, -	20
22 Idle Speed PSI @ RPM-Auto.	34 @ 500	33 @ 500	27 @ 500	33 @ 500	31 @ 500	36 @ 500	21
23 Idle Speed cc @ RPM-Auto.	240 @ 640	200 @ 650	240 @ 640	200 @ 650	200 @ 650	200 @ 650	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 1045 - 240	@ 640 - 240		@ 650 - 200		23
25 Calibration PSI @ RPM	129 @ 2100	165 @ 2100	110 @ 2100	175 @ 2100	173 @ 2100	144 @ 2100	24
26 Calibration Flow	410	499	393	509	505	470	25
27 Check Point (1) PSI @ RPM	108 - 115 @ 1400	110 - 117 @ 1400	74 - 80 @ 1400	123 - 130 @ 1400	116 - 123 @ 1400	117 - 124 @ 1400	26
28 Check Point (1) Flow	377	402	322	426	411	424	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	30 - 141633	32 - 141634	55 - 139619	27 - 141632	30 - 141633	27 - 141632	33
35 Fuel Pump Housing	3038668	3038668	3038668	3038668	3038668	3038668	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3051817 - .000	3001155 - .125	153236 - .130	143251 - .000	3001155 - .120	3000935 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3621492 - .030 -	3002053 - .020 - .620	3053165 - .075 - .575	3002053 - .040 -	3002053 - .020 - .620	3053169 - .115 -	40
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	70822 - .000	109687 - .000	70822 - .000	70822 - .000	109686 - .000	41
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly					3031298		46
48 AFC In./Hg - PSI		8 - 3.9	6 - 2.9		8 - 3.9		47
49 AFC RPM - PSI		1400 - 58	1400 - 45		1400 - 58		48
50 AFC Flow - pph		276	240		276		49
51 AFC Spring - Gage Height-In.		179824 -	179818 -		179824 -		50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI		1400 - 76	1400 - 64		1400 - 76		52
54 AFC No Air Flow		321	297		321		53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve	3028325			3028325	3028325		60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTA-855-A	NTA-855-C	NTA-855-C	NTA-855-A	NTA-855-C	NTA-855-A	65
67 Notes	SEE NOTE (1)			SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) AFC; USE A 3038668 HOUSING; FOR USE WITH CHECK VALVE ONLY]] REF.: USE .170 SHIMS ON AUTO GOVERNOR SPRING VS IDLE SETTING 240 CC/MIN. + - 15 @ 900 RPM VS SERVICE IDLE 49 PSI @ 850 RPM. MINIMUM GOVERNOR CHECK OF 2254 RPM @ 15 PSI.
- (4) AFC; USE A 3038668 HOUSING; USE WITH CHECK VALVE ONLY]] REF.: USE .065 SHIMS ON AUTO GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2284 RPM AT 15 PSI. SET VS IDLE TO 240 +/- 15 CC/MIN. AT 910 RPM. VS SERVICE IDLE 62 PSI AT 800 RPM.
- (5) FOR USE WITH CHECK VALVE ONLY]
- (6) AFC; USE A 3038668 HOUSING; REF.: USE .110 SHIMS ON AUTO GOVERNOR SPRING. SET VS IDLE TO 240 +/- 15 CC/MIN. AT 1045 RPM. VS SERVICE IDLE 49 PSI @ 950 RPM. MIN. GOV. CHECK OF 2265 RPM AT 15 PSI.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 9457-B - 9463-B

1 Pump Code	9457-B	9459-C	9460-C	9461-B	9462-A	9463-B	1
2 Date - Control Parts List	MAR92 - 1252	MAR92 - 1252	JUN93 - 0909	JUN92 - 0769	JAN91 - 1286	JUN93 - 1204	2
3 Test HP @ RPM	375 - 383 @ 2100	375 - 383 @ 2100	392 - 408 @ 2100	343 - 357 @ 2100	431 - 457 @ 2100	289 - 301 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	144 - 160	144 - 160	157 - 173	174 - 192	173 - 191	88 - 98	5
6 Fuel Rate Pound Per Hour	132 - 138	132 - 138	140 - 146	123 - 128	156 - 162	99 - 103	6
7 Intake Manifold Press. In./Hg	46 - 54	46 - 54	48 - 58	34 - 42	41 - 49	30 - 38	7
8 Torque Rise % - Curve	35 -	35 -	20 -	31 -	26 -	7 -	8
9 Torque Peak - PSI @ RPM			- @ 1400	- @ 1300		- @ 1400	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	1880 - 1900	11
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	2120 - 2140	2120 - 2140	2120 - 2140		1820 - 1840	12
13 Cruise Speed-PSI @ RPM					114 - 130 @ 2247		13
14 Max. Auto. Gov. Check-RPM @ PSI	2657 @ 15	2657 @ 15	2657 @ 15	2657 @ 15	2647 @ 15	2306 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2447 @ 15	2106 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2447 @ 15	2106 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2272 @ 15	2272 @ 15	2282 @ 15	2259 @ 15	2292 @ 15	1957 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 - 2	28 -	28 - 1	21
22 Idle Speed PSI @ RPM-Auto.	38 @ 500	38 @ 500	47 @ 500	39 @ 500	48 @ 500	28 @ 500	22
23 Idle Speed cc @ RPM-Auto.	200 @ 650	200 @ 650	200 @ 650	220 @ 630	220 @ 630	240 @ 640	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc			@ 650 - 200	@ 630 - 220		@ 640 - 240	24
25 Calibration PSI @ RPM	159 @ 2100	152 @ 2100	174 @ 2100	183 @ 2100	182 @ 2100	93 @ 1800	25
26 Calibration Flow	485	485	505	385	342	376	26
27 Check Point (1) PSI @ RPM	132 - 139 @ 1400	126 - 133 @ 1400	117 - 124 @ 1400	131 - 137 @ 1300	148 - 155 @ 1500	70 - 77 @ 1400	27
28 Check Point (1) Flow	441	442	410	320	308	329	28
29 Check Point (2) PSI @ RPM					74 - 86 @ 840		29
30 Check Point (2) Flow					210		30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.778 - 3067409	.800 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141629	22 - 141630	27 - 141632	15 - 139894	22 - 141630	52 - 139618	34
35 Fuel Pump Housing	3038668	3038668	3042216	3038668		3038668	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004755 - .000	3004755 - .000	3001155 - .120	143253 - .000	3001147 - .000	153237 - .105	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053169 - .120 -	3053169 - .120 -	3002053 - .020 - .620	3035816 - .000 - .650	3053164 - .100 -	3053156 - .050 - .550	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	70822 - .000	109687 - .000	109687 - .000	109686 - .000	42
43 VS Gov. Idle Spring			153240	70778	153240	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI			8 - 3.9	8 - 3.9	7 - 3.4	6 - 2.9	48
49 AFC RPM - PSI			1400 - 58	1600 - 67	1600 - 95	1400 - 45	49
50 AFC Flow - pph			276	242	240	240	50
51 AFC Spring - Gage Height-In.			179824 -	179830 -	3007696 -	179818 -	51
52 AFC Bias Spring					3068170		52
53 AFC No Air RPM - PSI			1400 - 76	1600 - 53	1600 - 49	1400 - 64	53
54 AFC No Air Flow			321	190	164	297	54
55 ASA Valve					3062158		55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve			185505				61
62 Certified Year/Agency					1989 CARB		62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-A	NTA-855-A	NTA-855-C	NTC-350	89-NTC-444	NTA-855-P	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)		SEE NOTE (5)		67

NOTES

- (1) AFC; USE A 3038668 HOUSING; USE WITH CHECK VALVE ONLY. REF.: USE .155 SHIMS ON AUTO GOVERNOR SPRING. SET VS IDLE TO 240 +/- 15 CC/MIN. AT 910 RPM. VS SERVICE IDLE 62 PSI AT 800 RPM. MINIMUM GOVERNOR CHECK OF 2272 RPM AT 15 PSI.
- (2) AFC; USE A 3038668 HOUSING. REF.: USE .170 SHIMS ON AUTO GOVERNOR SPRING. SET VS IDLE TO 240 +/- 15 CC/MIN. AT 1040 RP VS SERVICE IDLE 62 PSI @ 920 RPM. MINIMUM GOVERNOR CHECK OF 2272 RPM @ 15 PSI.
- (3) FOR USE WITH CHECK VALVE ONLY.
- (5) USE A 3069255 HOUSING; USE A 3062158 AIR SID ASA. USE A CLASS FIT AFC ASSY P/N 3067834; USE A 3068170 BIAS SPRING. SET CRUISE ON VS TO (114-130 PSI) RAIL @ (2247 RPM). MINIMUM GOVERNOR CHECK OF 2292 RPM @ 15 PSI. CK. PT. TWO 74-86 PSI @ 210 PPH @ 840 RPM. REF.: USE .130 SHIMS ON AUTO GOV. SPRING. INSTALL SEALS AFTER CALIBRATION.

1 Pump Code	9464-D	9465-B	9466-C	9467-C	9468-A	9469-A	
2 Date - Control Parts List	APR91 - 1280	AUG89 - 0840	JUN92 - 1204	JUN92 - 1204	JUL89 - 0827	DEC89 - 0769	1
3 Test HP @ RPM	416 - 432 @ 1900	343 - 357 @ 2100	316 - 328 @ 1900	274 - 286 @ 2100	392 - 408 @ 1800	309 - 321 @ 2100	2
4 Governed Speed-RPM	1900						3
5 Engine Fuel PSI	156 - 172	152 - 168	101 - 111	86 - 96	155 - 171	149 - 165	4
6 Fuel Rate Pound Per Hour	143 - 149	120 - 124	109 - 113	100 - 104	131 - 137	112 - 116	5
7 Intake Manifold Press. In./Hg	38 - 46	37 - 45	33 - 41	31 - 39	39 - 47	32 - 40	6
8 Torque Rise % - Curve	19 -	37 -	13 -	16 -	14 -	46 -	7
9 Torque Peak - PSI @ RPM	- @ 1400		- @ 1400	- @ 1300			8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1985 - 2005	2195 - 2215	1985 - 2005	2195 - 2215	1880 - 1900	2195 - 2215	10
12 VS/Sec. Gov. Setting-RPM	1920 - 1940	2120 - 2140	1920 - 1940	2120 - 2140	1820 - 1840	2120 - 2140	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2394 @ 15	2657 @ 15	2350 @ 15	2657 @ 15	2306 @ 15	2657 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2194 @ 15	2457 @ 15	2150 @ 15	2457 @ 15	2106 @ 15	2457 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2194 @ 15	2457 @ 15	2150 @ 15	2457 @ 15	2106 @ 15	2457 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2088 @ 15	2259 @ 15	2050 @ 15	2227 @ 15	2012 @ 15	2243 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, 20 -	28, -	28, - 2	28, - 1	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	47 @ 600	33 @ 500	47 @ 700	25 @ 500	41 @ 500	43 @ 500	21
23 Idle Speed cc @ RPM-Auto.	220 @ 710	210 @ 620	220 @ 800	240 @ 640	210 @ 640	220 @ 630	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc			@ 800 - 220	@ 640 - 240			23
25 Calibration PSI @ RPM	164 @ 1900	160 @ 2100	106 @ 1900	91 @ 2100	163 @ 1800	157 @ 2100	24
26 Calibration Flow	322	450	393	364	337	354	25
27 Check Point (1) PSI @ RPM	133 - 140 @ 1400	109 - 116 @ 1300	80 - 87 @ 1400	54 - 61 @ 1300	120 - 127 @ 1300	125 - 132 @ 1300	26
28 Check Point (1) Flow	290	370	344	279	288	314	27
29 Check Point (2) PSI @ RPM	78 - 90 @ 920						28
30 Check Point (2) Flow	218						29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.790 - 3074242	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	22 - 141630	25 - 141631	45 - 138862	65 - 141637	20 - 141629	12 - 141626	33
35 Fuel Pump Housing	3069255	3059632	3038668	3038668	3038668	3038668	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143254 - .170	143252 - .000	153238 - .185	153232 - .190	3000940 - .000	3004754 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3053161 - .080 - .580	3002058 - .030 -	138800 - .055 - .605	3053166 - .080 - .580	138799 - .030 -	3821491 - .055 -	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109687 - .000	70821 - .000	3069725 - .000	109687 - .000	109687 - .000	41
43 VS Gov. Idle Spring	153240	70778	153240	153240	153240	153240	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3067834						46
48 AFC In./Hg - PSI	9 - 4.4		6 - 2.9	6 - 2.9	8 - 3.9	8 - 3.9	47
49 AFC RPM - PSI	1600 - 73	1600 - 50	1400 - 45	1400 - 45	1600 - 42	1600 - 67	48
50 AFC Flow - pph	207	234	240	240	157	219	49
51 AFC Spring - Gage Height-In.	3007696 - .117	179832	179818 -	179818 -	3000592 -	179830 -	50
52 AFC Bias Spring	3068170	3051071					51
53 AFC No Air RPM - PSI	1600 - 49	1600 - 58	1400 - 64	1400 - 55	1600 - 52	1600 - 53	52
54 AFC No Air Flow	164	253	297	272	164	190	53
55 ASA Valve					3042360		54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1989 CARB	1989 CARB				1989 EPA	61
63 Certified Year/Agency	1991 EPA						62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	89NT-444	NTC-350	NTA-855-C	NTA-855-P	NTC-400	NTC-350	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)			SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE A 3069255 HOUSING; USE A CLASS FIT AFC ASST PN 3067834; USE A 3068170 BIAS SPRING. MIN. GOV. CHECK OF 2088 RPM @ 15 PSI. CK.PT. TWO 78-90 PSI @ 218 PPH @ 920 RPM. REF: USE .170 SHIMS ON AUTO GOVERNOR SPRING. CONTAINS STEEL PRELOADED WT. ASST. REF: VS THROTTLE TRAVEL 20 DEG.
- (2) USE A 3069255 HOUSING. REF: USE .090 ON AUTO GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2259 RPM @ 15 PSI. USE AFC BIAS SPRING PN 3051071. USE CLASS FIT AFC ASSY 3058944.
- (5) USE A 3038668 HOUSING; USE A 3042360 HYD. AS REF: USE .165 SHIMS ON AUTO GOVERNOR SPRING MINIMUM GOVERNOR CHECK OF 2012 RPM @ 15 PSI.
- (6) USE A 3038668 HOUSING; REF: USE .140 SHIMS ON AUTO GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2243 RPM @ 15 PSI.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 9470-A - 9475-A

1 Pump Code	9470-A	9471-B	9472-B	9473-C	9474-A	9475-A	1
2 Date - Control Parts List	MAY91 - 0719	JUN92 - 1204	JUN92 - 1204	JUN93 - 1204	JUN93 - 1193	SEP92 - 1204	2
3 Test HP @ RPM	230 - 240 @ 1800	245 - 255 @ 2100	316 - 328 @ 1800	328 - 342 @ 2100	441 - 459 @ 2100	274 - 286 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	119 - 131	75 - 83	101 - 111	110 - 122	169 - 187	88 - 96	5
6 Fuel Rate Pound Per Hour	81 - 85	91 - 95	108 - 112	118 - 122	162 - 168	100 - 104	6
7 Intake Manifold Press. In./Hg	26 - 32	27 - 35	33 - 41	38 - 46	54 - 64	31 - 39	7
8 Torque Rise % - Curve	17 -	20 -	7 -	20 -	20 -	16 -	8
9 Torque Peak - PSI @ RPM		- @ 1500	- @ 1400	- @ 1400			9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1880 - 1900	2195 - 2215	1880 - 1900	2195 - 2215	2195 - 2215	2195 - 2215	11
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	2120 - 2140	1820 - 1840	2120 - 2140	2120 - 2140	2120 - 2140	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2306 @ 15	2657 @ 15	2306 @ 15	2500 @ 15	2657 @ 15	2657 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2106 @ 15	2400 @ 15	2457 @ 15	2457 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2106 @ 15	2420 @ 15	2457 @ 15	2457 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1925 @ 15	2214 @ 15	1971 @ 15	2252 @ 15	2305 @ 15	2227 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, - 2	28, - 1	28, - 1	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	33 @ 500	23 @ 500	31 @ 500	29 @ 500	32 @ 500	31 @ 500	22
23 Idle Speed cc @ RPM-Auto.	220 @ 640	240 @ 640	240 @ 640	240 @ 640	230 @ 610	240 @ 640	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 640 - 240	@ 640 - 240	@ 770 - 230			24
25 Calibration PSI @ RPM	125 @ 1800	79 @ 2100	106 @ 1800	116 @ 2100	186 @ 2100	98 @ 2100	25
26 Calibration Flow	266	345	402	415	641	364	26
27 Check Point (1) PSI @ RPM	85 - 92 @ 1250	57 - 64 @ 1500	81 - 88 @ 1400	80 - 87 @ 1400	121 - 128 @ 1400	61 - 68 @ 1300	27
28 Check Point (1) Flow	217	296	355	346	510	287	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	40 - 137370	67 - 141638	45 - 138862	45 - 138862	25 - 141631	55 - 139619	34
35 Fuel Pump Housing	3038668	3038668	3038668	3038668	3038668	3042216	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	153236 - .105	153237 - .105	153237 - .170	3001155 - .000	153232 - .165	37
38 Gear Pump Size In.	.750	.750	.750	.750	1.000	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138802 - .015 -	3053166 - .075 - .575	3053156 - .050 - .550	3002055 - .020 - .620	138802 - .050 -	3053166 - .090 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109687 - .000	109686 - .000	109687 - .000	70822 - .000	3069725 - .000	42
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI		6 - 2.9	6 - 2.9	6 - 2.9	8 - 3.9	6 - 2.9	48
49 AFC RPM - PSI		1400 - 45	1400 - 45	1400 - 45	1400 - 36	1400 - 45	49
50 AFC Flow - pph		240	240	240	276	240	50
51 AFC Spring - Gage Height-In.		179818 -	179818 -	179818 -	179834 -	179818 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI		1400 - 48	1400 - 64	1400 - 64	1400 - 62	1400 - 61	53
54 AFC No Air Flow		240	297	297	342	272	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve					3028325	3028325	61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NT-855-L5	NTA-855-C	NTA-855-C	NTA-855-C	NTA-855-P	NTA-855-P	66
67 Notes	SEE NOTE (1)				SEE NOTE (5)	SEE NOTE (6)	67

NOTES

(1) AFC; USE A 3038668 HOUSING; REF: USE .100 SHIMS ON AUTO GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 1925 RPM @ 15 PSI.

(5) USE A 3038668 HOUSING; FOR USE WITH CHECK VALVE ONLY] REF: USE .135 SHIMS ON AUTO GOVERNOR SPRING MINIMUM GOVERNOR CHECK OF 2305 RPM @ 15 PSI.

(6) USE WITH CHECK VALVE ONLY] USE A 3042216 HOUSING. REF: USE .165 SHIMS ON AUTO GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2227 RPM @ 15 PSI.

1 Pump Code	9476-C	9477-D	9478-A	9479-A	9480-A	9481-B	
2 Date - Control Parts List	JUN93 - 1314	JUN93 - 1204	JUN93 - 1204	APR90 - 0910	APR90 - 1210	JUN93 - 1204	1
3 Test HP @ RPM	426 - 444 @ 1800	328 - 342 @ 2100	304 - 316 @ 2100	435 - 453 @ 2100	435 - 453 @ 2100	304 - 316 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	149 - 165	114 - 126	99 - 109	198 - 218	198 - 218	99 - 109	4
6 Fuel Rate Pound Per Hour	148 - 154	119 - 123	110 - 114	155 - 161	155 - 161	110 - 114	5
7 Intake Manifold Press. In./Hg	48 - 56	38 - 46	36 - 44	49 - 57	49 - 57	36 - 44	6
8 Torque Rise % - Curve	6 -	20 -	30 -	26 -	26 -	30 -	7
9 Torque Peak - PSI @ RPM	- @ 1400	- @ 1400	- @ 1400	- @ 1500	- @ 1500	- @ 1400	8
10 Cranking Fuel Press. - PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2150 - 2170	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	10
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	2120 - 2140	2120 - 2140	2120 - 2140	2120 - 2140	2120 - 2140	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2430 @ 15	2657 @ 15	2657 @ 15	2657 @ 15	2657 @ 15	2657 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2310 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2138 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2063 @ 15	2252 @ 15	2241 @ 15	2302 @ 15	2302 @ 15	2241 @ 15	18
20 Throttle Leakage-cc - pph	110 -			110 -		110 -	19
21 Throttle Travel-Auto. - VS, Lev	28, - 1			28, -		28, - 1	20
22 Idle Speed PSI @ RPM-Auto.	47 @ 600	38 @ 500	38 @ 500	35 @ 500	35 @ 500	30 @ 500	21
23 Idle Speed cc @ RPM-Auto.	230 @ 760		240 @ 640	220 @ 630	220 @ 630	240 @ 640	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 1070 - 210	@ 640 - 240				@ 640 - 240	23
25 Calibration PSI @ RPM	158 @ 1800	120 @ 2100	104 @ 2100	208 @ 2100	208 @ 2100	104 @ 2100	24
26 Calibration Flow	597	407	392	372	372	392	25
27 Check Point (1) PSI @ RPM	113 - 120 @ 1400	80 - 86 @ 1400	80 - 86 @ 1400	161 - 167 @ 1500	161 - 167 @ 1500	80 - 86 @ 1400	26
28 Check Point (1) Flow	504	330	344	324	324	345	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	27 - 141632	47 - 140924	45 - 138862	20 - 141629	20 - 141629	45 - 138862	33
35 Fuel Pump Housing	3038668	3042216	3042216	3057808	3057808	3038668	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3001157 - .125	153236 - .130	143254 - .210	143252 - .000	143252 - .000	143254 - .210	36
38 Gear Pump Size In.	1.000	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height		3053158 - .100 - .600	3821491 - .015 -	3053165 - .075 -	3821491 - .015 - .615		40
42 VS Gov. Max. Spring - Ref. Shims	70822 - .000	109687 - .000	109687 - .000	109687 - .000	109687 - .000	109687 - .000	41
43 VS Gov. Idle Spring	153240	153240	153240	70778	70778	153240	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly				3041494	3041494		46
48 AFC In./Hg - PSI	8 - 3.9	6 - 2.9	6 - 2.9	8 - 3.9	8 - 3.9	6 - 2.9	47
49 AFC RPM - PSI	1400 - 36	1400 - 45	1400 - 45	1600 - 36	1600 - 36	1400 - 45	48
50 AFC Flow - pph	276	240	240	142	142	240	49
51 AFC Spring - Gage Height-In.	179834 -	179818 -	179818 -	3007696 -	3007696 -	179818 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1400 - 62	1400 - 64	1400 - 64	1600 - 47	1600 - 47	1400 - 64	52
54 AFC No Air Flow	342	297	297	159	159	297	53
55 ASA Valve				3061508	3061508		54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency				1988 CARB	1989 CARB		61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTA-855-C	NTA-855-C	NTA-855-C	NTC-444	NTC-444	NTA-855-C	65
67 Notes			SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)		66

NOTES

(3) USE A 3042216 HOUSING; REF. USE .210 SHIMS ON AUTO GOVERNOR SPRING MINIMUM GOVERNOR CHECK OF 2241 RPM @ 15 PSI.

(4) USE A 3057808 HOUSING; USE AN AIR SIDE ASA 3061508; USE A CLASS FIT AFC ASSEMBLY 3041494. REF. USE .120 SHIMS ON AUTO GOVERNOR SPRING MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI THIS CODE TO BE USED WITH TURBO BHT38 REF. FF122.

(5) USE A 3057808 HOUSING; USE AN AIR SIDE ASA 3061508; USE A CLASS FIT AFC ASSEMBLY 3041494. REF. USE .120 SHIMS ON AUTO GOVERNOR SPRING MINIMUM GOVERNOR CHECK OF 2302 RPM AT 15 PSI THIS CODE TO BE USED WITH TURBO BHT38 REF. FF122.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 9483-B - 9488-B

1 Pump Code	9483-B	9484-A	9485-B	9486-C	9487-B	9488-B	1
2 Date - Control Parts List	JUN91 - 1352	MAY93 - 0909	JUN93 - 1314	JAN93 - 1204	AUG91 - 0463	JUN92 - 1204	2
3 Test HP @ RPM	294 - 306 @ 1700	375 - 383 @ 2100	441 - 459 @ 2100	274 - 286 @ 2100	265 - 275 @ 1800	270 - 281 @ 1800	3
4 Governed Speed-RPM	1700						4
5 Engine Fuel PSI	108 - 120	144 - 160	169 - 187	86 - 96	106 - 118	81 - 89	5
6 Fuel Rate Pound Per Hour	96 - 100	132 - 138	160 - 166	100 - 104	95 - 99	93 - 97	6
7 Intake Manifold Press. In./Hg	32 - 40	46 - 54	54 - 64	31 - 39	28 - 34	26 - 32	7
8 Torque Rise % - Curve	24 -	35 -	20 -	16 -	8 -	8 -	8
9 Torque Peak - PSI @ RPM	- @ 1100	- @ 1400	- @ 1400	- @ 1300	- @ 1500	- @ 1400	9
10 Cranking Fuel Press. - PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1775 - 1795	2195 - 2215	2195 - 2215	2195 - 2215	1880 - 1900	1880 - 1900	11
12 VS/Sec. Gov. Setting-RPM		2120 - 2140	2120 - 2140	2120 - 2140	1820 - 1840	1820 - 1840	12
13 Cruise Speed-PSI @ RPM	71 - 81 @ 1830						13
14 Max. Auto. Gov. Check-RPM @ PSI	2190 @ 15	2657 @ 15	2657 @ 15	2657 @ 15	2306 @ 15	2306 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1990 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2106 @ 15	2106 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	1990 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2106 @ 15	2106 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1870 @ 15	2272 @ 15	2305 @ 15	2227 @ 15	1943 @ 15	1946 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, 22 -	28 -	28 - 1	28, 21 - 1	28, 21 - 1	28, 20 - 1	21
22 Idle Speed PSI @ RPM-Auto.	43 @ 500	40 @ 500	28 @ 500	23 @ 500	34 @ 500	25 @ 500	22
23 Idle Speed cc @ RPM-Auto.	240 @ 650	200 @ 650	230 @ 610	240 @ 640	210 @ 600	240 @ 640	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc			@ 610 - 230	@ 640 - 240	@ 600 - 210	@ 640 - 240	24
25 Calibration PSI @ RPM	114 @ 1700	159 @ 2100	178 @ 2100	98 @ 2100	112 @ 1800	92 @ 1800	25
26 Calibration Flow	377	479	641	364	330	356	26
27 Check Point (1) PSI @ RPM	79 - 86 @ 1100	135 - 142 @ 1400	113 - 120 @ 1400	59 - 66 @ 1300	94 - 101 @ 1500	70 - 76 @ 1400	27
28 Check Point (1) Flow	313	442	503	279	306	311	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	17 - 140417	17 - 140417	30 - 141633	57 - 140926	47 - 140924	52 - 139618	34
35 Fuel Pump Housing	3070269	3038668	3038668	3038668	3038668	3038668	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	144195	3018767	36
37 Auto. Gov. Spring - Ref. Shims	144491 - .215	3051817 - .200	3001155 - .155	153232 - .180	3051818 - .165	153237 - .100	37
38 Gear Pump Size In.	.750	.750	1.000	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040850	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053164 - .060 -	3053169 - .125 -	138802 - .045 - .595	3053166 - .085 - .565	3053163 - .025 - .525	3053156 - .050 - .550	41
42 VS Gov. Max. Spring - Ref. Shims	3069724 - .000	3069725 - .000	70822 - .000	3069725 - .000	3069724 - .000	109686 - .000	42
43 VS Gov. Idle Spring	153240		153240	153240	153240	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly	3058944		3031298				47
48 AFC In./Hg - PSI		8 - 3.9	8 - 3.9	6 - 2.9		6 - 2.9	48
49 AFC RPM - PSI	1100 - 33	1400 - 58	1400 - 36	1400 - 45		1400 - 45	49
50 AFC Flow - pph	185	276	240	240		240	50
51 AFC Spring - Gage Height-In.	179822 -	179824 -	179834 -	179818 -		179818 -	51
52 AFC Bias Spring	3051069						52
53 AFC No Air RPM - PSI	1100 - 38	1400 - 76	1400 - 62	1400 - 55		1400 - 57	53
54 AFC No Air Flow	202	321	342	272		282	54
55 ASA Valve	3062158						55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		3028325		3028325		185505	61
62 Certified Year/Agency	1990 CARB						62
63 Certified Year/Agency	1991 EPA						63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	90 FLEET 300	NTA-855-A	NTA-855-C-450	NTA-855-P	NT-270	NTA-855-P	66
67 Notes		SEE NOTE (2)		SEE NOTE (4)		SEE NOTE (6)	67

NOTES

(2) CHECK VALVE ONLY; USE A 3038668 HOUSING; REF USE .200 SHIMS ON AUTO GOV. SPRING; MINIMUM GOV. CHECK OF 2272 RPM AT 15 PSI. SET VS IDL TO 240 CC/MIN. @ 1045 RPM; VS SERVICE IDLE 62 PSI @ 1000 RPM. REF: VS THROTTLE TRAVEL (15 DEG.).

(4) FOR USE WITH CHECK VALVE ONLY]]

(6) FOR USE WITH CHECK VALVE ONLY]

1 Pump Code	9489-B	9490-B	9491-C	9492-C	9493-C	9494-C	1
2 Date - Control Parts List	JUN92 - 1204	MAR92 - 1417	MAR92 - 1418	MAR92 - 1418	MAR92 - 1418	MAR92 - 1418	2
3 Test HP @ RPM	289 - 301 @ 1800	375 - 383 @ 2100	375 - 383 @ 2100	375 - 383 @ 2100	360 - 367 @ 2100	400 - 408 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	88 - 98	144 - 160	144 - 160	144 - 160	137 - 151	159 - 175	5
6 Fuel Rate Pound Per Hour	99 - 103	132 - 138	132 - 138	132 - 138	127 - 133	140 - 146	6
7 Intake Manifold Press. In./Hg	28 - 36	46 - 54	46 - 54	46 - 54	44 - 52	49 - 57	7
8 Torque Rise % - Curve	7 -	35 -	35 -	35 -	33 -	20 -	8
9 Torque Peak - PSI @ RPM	- @ 1400	- @ 1400	- @ 1400	- @ 1400	- @ 1400	- @ 1400	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1880 - 1900	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	11
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	2120 - 2140	2120 - 2140	2120 - 2140	2120 - 2140	2120 - 2140	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2306 @ 15	2657 @ 15	2657 @ 15	2657 @ 15	2657 @ 15	2657 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1957 @ 15	2272 @ 15	2272 @ 15	2272 @ 15	2265 @ 15	2284 @ 15	19
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, 20 - 1	28, 15 - 1	28, - 1	28, - 1	28, - 1	28, - 1	21
22 Idle Speed PSI @ RPM-Auto.	26 @ 500	40 @ 500	38 @ 500	38 @ 500	36 @ 500	33 @ 500	22
23 Idle Speed cc @ RPM-Auto.	240 @ 640	200 @ 650	200 @ 650	200 @ 650	200 @ 650	200 @ 650	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 640 - 240	@ 1045 - 240	@ 1040 - 240	@ 910 - 240	@ 1045 - 240	@ 910 - 240	24
25 Calibration PSI @ RPM	100 @ 1800	159 @ 2100	152 @ 2100	159 @ 2100	144 @ 2100	175 @ 2100	25
26 Calibration Flow	376	479	485	485	470	509	26
27 Check Point (1) PSI @ RPM	76 - 82 @ 1400	135 - 142 @ 1400	126 - 133 @ 1400	132 - 139 @ 1400	117 - 124 @ 1400	123 - 130 @ 1400	27
28 Check Point (1) Flow	326	442	442	441	424	426	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	47 - 140924	17 - 140417	22 - 141630	20 - 141629	27 - 141632	27 - 141632	34
35 Fuel Pump Housing	3038668	3038668	3038668	3038668	3038668	3038668	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .105	3051817 - .200	3004755 - .170	3004755 - .155	3000935 - .110	143251 - .065	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053156 - .050 - .550	3053169 - .125 - .625	3053169 - .120 - .620	3053169 - .120 - .620	3053169 - .115 - .615	3002053 - .040 - .640	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	3069725 - .000	109686 - .000	109686 - .000	109686 - .000	70822 - .000	42
43 VS Gov. Idle Spring	153240						43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	6 - 2.9	8 - 3.9					48
49 AFC RPM - PSI	1400 - 45	1400 - 58					49
50 AFC Flow - gph	240	276					50
51 AFC Spring - Gage Height-In.	179818 -	179824 -					51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1400 - 64	1400 - 76					53
54 AFC No Air Flow	297	321					54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	3028325	3028325		3028325		3028325	61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-P	NTA-855-A	NTA-855-A	NTA-855-A	NTA-855-A	NTA-855-A	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)		SEE NOTE (4)		SEE NOTE (6)	67

NOTES

- (1) USE WITH CHECK VALVE ONLY;
 (2) USE WITH CHECK VALVE ONLY
 (4) FOR USE WITH CHECK VALVE ONLY]
 (6) USE WITH CHECK VALVE ONLY]

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 9495-B - 9501-C

1 Pump Code	9495-B	9496-B	9497-B	9498-A	9500-A	9501-C	1
2 Date - Control Parts List	SEP92 - 1416	MAR92 - 1416	MAR92 - 1416	SEP92 - 1255	OCT90 - 1252	MAY93 - 0909	2
3 Test HP @ RPM	335 - 342 @ 2100	310 - 316 @ 2100	325 - 332 @ 2100	353 - 367 @ 2100	400 - 408 @ 2100	343 - 357 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	116 - 128	105 - 117	111 - 123	122 - 134	159 - 175	122 - 134	5
6 Fuel Rate Pound Per Hour	118 - 122	110 - 114	115 - 119	99 - 103	140 - 145	117 - 121	6
7 Intake Manifold Press. In./Hg	37 - 45	35 - 43	36 - 44	39 - 47	48 - 56	37 - 45	7
8 Torque Rise % - Curve	35 -	30 -	30 -	26 -	30 -	5 -	8
9 Torque Peak - PSI @ RPM	- @ 1400	- @ 1400	- @ 1400	109 - 115 @	133 - 139 @ 1400	- @ 1400	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	1880 - 1900	11
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	2120 - 2140	2120 - 2140	2120 - 2140	2120 - 2140	1820 - 1840	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2657 @ 15	2657 @ 15	2657 @ 15	2667 @ 15	2657 @ 15	2306 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2467 @ 15	2457 @ 15	2106 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2467 @ 15	2457 @ 15	2106 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2254 @ 15	2242 @ 15	2249 @ 15	2254 @ 15	2281 @ 15	1986 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, - 1	28, - 1	28, - 1	28, 15 -	28, 19 -	28, 18 - 1	21
22 Idle Speed PSI @ RPM-Auto.	34 @ 500			50 @ 500	42 @ 500	31 @ 500	22
23 Idle Speed cc @ RPM-Auto.	240 @ 640	240 @ 640	240 @ 640	240 @ 640	200 @ 650	200 @ 650	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 900 - 240	@ 1025 - 240	@ 1025 - 240	@ 1045 - 240	@ 1045 - 240	@ 650 - 200	24
25 Calibration PSI @ RPM	129 @ 2100	111 @ 2100	117 @ 2100	136 @ 2100	167 @ 2100	128 @ 1800	25
26 Calibration Flow	410	395	400	438	509	432	26
27 Check Point (1) PSI @ RPM	108 - 115 @ 1400	85 - 91 @ 1400	91 - 98 @ 1400	109 - 115 @ 1400	133 - 139 @ 1400	93 - 99 @ 1400	27
28 Check Point (1) Flow	377	348	356	390	452	367	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	30 - 141633	47 - 140924	40 - 137370	30 - 141633	17 - 140417	40 - 137370	34
35 Fuel Pump Housing	3038668	3038668	3038668	3038668	3038668	3038668	35
36 Auto. Idle Spring	3018767	3018767	3018767	144195	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3051817 - .170	3001147 - .120	143254 - .215	3004753 - .000	3001147 - .095	153236 - .115	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3821492 - .030 - .630	3002058 - .040 - .540	3821491 - .015 - .615	3821491 - .020 -	3821492 - .010 - .610	138999 - .000 - .500	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109687 - .000	109687 - .000	3069725 - .000	109686 - .000	109686 - .000	42
43 VS Gov. Idle Spring	153240	153240	153240		153240	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI						8 - 3.9	48
49 AFC RPM - PSI						1400 - 58	49
50 AFC Flow - pph						276	50
51 AFC Spring - Gage Height-In.						179824 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI						1400 - 76	53
54 AFC No Air Flow						324	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	3028325			3028325			61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-A	NTA-855-A	NTA-855-A	NTA-855-C	NTA-855-A	NTA-855-P	66
67 Notes	SEE NOTE (1)			SEE NOTE (4)	SEE NOTE (5)		67

NOTES

(1) FOR USE WITH CHECK VALVE ONLY]

(4) AFC: USE A 3038668 HOUSING USE WITH CHECK VALVE ONLY VS IDLE SETTING 240 +/- 15 CC/MIN AT 900 RPM VS SERVICE IDLE 38 PSI AT 800 RPM MINIMUM GOVERNOR CHECK OF 2252 RPM AT 15 PSI TO SPRING GAGE LENGTH TO .620 REF: USE .170 SHIMS ON AUTO GOVERNOR SPRING REF: VS THROTTLE TRAVEL 15 DEGREES

(5) AFC: USE A 3038668 HOUSING; REF: USE .095 SHIMS ON AUTO GOVERNOR SPRING; SET VS IDLE TO 240 + - 15 CC/MIN. @ 1045 RPM VS SERVICE IDLE 38 PSI @ 1000 RPM; MINIMUM GOVERNOR CHECK OF 2281 RPM @ 15 PSI.

1 Pump Code	9502-B	9503-C	9504-D	9505-D	9506-D	9507-A	1
2 Date - Control Parts List	JUN93 - 1193	JUN93 - 1193	JUN93 - 1395	MAY93 - 1395	JUN93 - 1380	JAN91 - 0462	2
3 Test HP @ RPM	417 - 434 @ 1800	450 - 468 @ 2100	323 - 337 @ 1600	301 - 319 @ 1600	343 - 357 @ 1600	353 - 367 @ 2100	3
4 Governed Speed-RPM		2100	1700	1700	1700	2100	4
5 Engine Fuel PSI	146 - 162	170 - 188	111 - 123	106 - 118	121 - 135	168 - 186	5
6 Fuel Rate Pound Per Hour	145 - 151	162 - 168	111 - 115	103 - 110	118 - 122	128 - 133	6
7 Intake Manifold Press. In./Hg	45 - 55	54 - 64	41 - 49	39 - 47	45 - 56	43 - 51	7
8 Torque Rise % - Curve	5 -	24 - FR-1486	- 0	- 0	- 0	20 -	8
9 Torque Peak - PSI @ RPM	109 - 115 @ 1400	129 - 136 @ 1400	- @ 1100	- @ 1100	- @ 1100	- @ 1500	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2150 - 2170	2195 - 2215	1775 - 1795	1775 - 1795	1775 - 1795	2195 - 2215	11
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	2120 - 2140	1720 - 1740			2120 - 2140	12
13 Cruise Speed-PSI @ RPM				70 - 80 @ 1834	81 - 91 @ 1845		13
14 Max. Auto. Gov. Check-RPM @ PSI	2500 @ 15	2557 @ 15	2100 @ 15	2190 @ 15	2100 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	1989 @ 15	1990 @ 15	1990 @ 15	2264 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	1989 @ 15	1989 @ 15	1990 @ 15	2657 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2025 @ 15	2305 @ 15	1885 @ 15	1874 @ 15	1897 @ 15	2425 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	75 -	75 -	75 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, 16 - 1	28, 21 - 1	28, 19 - 2	28, 19 - 2	28, 19 - 2	28, 25 -	21
22 Idle Speed PSI @ RPM-Auto.	36 @ 500	46 @ 500	44 @ 600	44 @ 600	46 @ 600	24 @ 500	22
23 Idle Speed cc @ RPM-Auto.	230 @ 635	245 @ 650	210 @ 710	210 @ 710	210 @ 710	185 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 635 - 230	@ 650 - 245	@ 710 - 210	@ 710 - 210	@ 710 - 210		24
25 Calibration PSI @ RPM	154 @ 1800	187 @ 2100	117 @ 1600	112 @ 1600	128 @ 1600	172 @ 2100	25
26 Calibration Flow	587	675	359	346	379	410	26
27 Check Point (1) PSI @ RPM	109 - 115 @ 1400	137 - 144 @ 1400	83 - 89 @ 1100	78 - 85 @ 1100	90 - 97 @ 1100	122 - 129 @ 1500	27
28 Check Point (1) Flow	489	577	302	289	317	344	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.760 - 143854	.760 - 143854	.760 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	27 - 141832	15 - 139894	20 - 141629	25 - 141631	17 - 140417	35 - 140922	34
35 Fuel Pump Housing	3038668	3038668	3070269	3070269	3070269		35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	147294 - .165	143252 - .080	3036895 - .190	3036895 - .200	3036895 - .205	143251 - .110	37
38 Gear Pump Size In.	.750	1.000	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040850	3040850	3040850	3040750	40
41 Torque Spring - Shims - Gage Height		3002057 - .025 - .625	3053160 - .070 - .570	3053158 - .075 - .575	3053160 - .070 - .570	138802 - .035 - .585	41
42 VS Gov. Max. Spring - Ref. Shims	3069725 - .000	109687 - .000	3069724 - .000	3069724 - .000	3069724 - .000	109687 - .000	42
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly			3074225	3074225	3074225		47
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9				8 - 3.9	48
49 AFC RPM - PSI	1400 - 36	1400 - 36	1100 - 36	1100 - 36	1100 - 36	1600 - 78	49
50 AFC Flow - pph	276	276	188	188	188	270	50
51 AFC Spring - Gage Height-In.	179834 -	179834 -	179832 - .117	179832 - .117	179832 - .117	179830 -	51
52 AFC Bias Spring			3071951	3071951	3071951		52
53 AFC No Air RPM - PSI	1400 - 62	1400 - 62	1100 - 40	1100 - 40	1100 - 40	1600 - 97	53
54 AFC No Air Flow	342	342	200	200	200	295	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		3028325					61
62 Certified Year/Agency			1990 EPA	1991 CARB	1991 CARB		62
63 Certified Year/Agency			1991 CARB				63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-P	NTA-855-A	N14-330P	N14-310P	N14-350P	NTA-855-P	66
67 Notes		SEE NOTE (2)				SEE NOTE (6)	67

NOTES

(2) FOR USE WITH CHECK VALVE ONLY]

(6) THIS CODE REPLACES CODE 8960-A]] USE A 3038668 HOUSING; REF: USE .110 SHIMS ON AUT GOV. SPRING; MIN. GOV. CHECK OF 2264 RPM @ 1 PSI; REF: VS THROTTLE TRAVEL 25 DEG.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 9508-D - 9513-C

1 Pump Code	9508-D	9509-C	9510-A	9511-B	9512-B	9513-C	1
2 Date - Control Parts List	MAY93 - 1374	SEP92 - 1502	JUN91 - 1280	JUN91 - 1280	JUN91 - 1280	MAY93 - 1405	2
3 Test HP @ RPM	359 - 381 @ 1600	376 - 392 @ 1800	441 - 459 @ 2100	435 - 453 @ 2100	416 - 432 @ 1900	402 - 418 @ 1600	3
4 Governed Speed-RPM	1800		2100	2100	1900	1800	4
5 Engine Fuel PSI	132 - 144	148 - 164	173 - 191	173 - 191	156 - 172	149 - 165	5
6 Fuel Rate Pound Per Hour	121 - 129	128 - 134	157 - 163	156 - 162	143 - 149	134 - 140	6
7 Intake Manifold Press. In./Hg	46 - 54	43 - 51	42 - 50	41 - 49	38 - 46	47 - 55	7
8 Torque Rise % - Curve	- 0	7 -	24 -	26 -	19 -	- 0	8
9 Torque Peak - PSI @ RPM	- @ 1200		- @ 1500	- @ 1500	- @ 1400	102 - 120 @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1880 - 1900	1880 - 1900	2195 - 2215	2195 - 2215	1985 - 2005	1880 - 1900	11
12 VS/Sec. Gov. Setting-RPM		1820 - 1840	2120 - 2140	2120 - 2140	1920 - 1940		12
13 Cruise Speed-RPM @ RPM	87 - 97 @ 1941					99 - 109 @ 1940	13
14 Max. Auto. Gov. Check-RPM @ PSI	2226 @ 15	2400 @ 15	2657 @ 15	2647 @ 15	2394 @ 15	2230 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2106 @ 15	2457 @ 15	2447 @ 15	2194 @ 15	2110 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2106 @ 15	2457 @ 15	2447 @ 15	2194 @ 15	2110 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1984 @ 15	2003 @ 15	2292 @ 15	2292 @ 15	2088 @ 15	1990 @ 15	19
20 Throttle Leakage-cc - pph	75 -	110 -	110 -	110 -	110 -	75 -	20
21 Throttle Travel-Auto., VS, Lev	28, 20 - 2	28, 21 - 1	28, 19 -	28, -	28, 20 -	28, 17 - 2	21
22 Idle Speed PSI @ RPM-Auto.	44 @ 600	40 @ 500	45 @ 620	44 @ 620	47 @ 600	51 @ 600	22
23 Idle Speed cc @ RPM-Auto.	210 @ 710	240 @ 650	220 @ 710	220 @ 710	220 @ 710	210 @ 710	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 710 - 210	@ 650 - 240	@ 710 - 220			@ 710 - 210	24
25 Calibration PSI @ RPM	138 @ 1600	162 @ 1800	186 @ 2100	182 @ 2100	164 @ 1900	157 @ 1600	25
26 Calibration Flow	386	313	350	344	322	417	26
27 Check Point (1) PSI @ RPM	100 - 107 @ 1200	126 - 132 @ 1400	152 - 159 @ 1500	150 - 157 @ 1500	133 - 140 @ 1400	110 - 117 @ 1200	27
28 Check Point (1) Flow	329	269	316	311	290	346	28
29 Check Point (2) PSI @ RPM			80 - 93 @ 920	81 - 94 @ 920	78 - 90 @ 920		29
30 Check Point (2) Flow			226	224	218		30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.760 - 143854	.800 - 143854	.790 - 3074242	.790 - 3074242	.790 - 3074242	.760 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141629	27 - 141632	20 - 141629	20 - 141629	22 - 141630	15 - 139894	34
35 Fuel Pump Housing	3070269	3038668	3069255	3069255	3069255	3070269	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143253 - .050	143253 - .130	3001147 - .130	3001147 - .110	143254 - .170	153238 - .155	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040850	3040750	3040750	3040750	3040750	3040850	40
41 Torque Spring - Shims - Gage Height	3053160 - .065 - .565	3053160 - .030 - .530	3053164 - .100 - .600	3053164 - .105 -	3053161 - .080 -	3053157 - .060 - .560	41
42 VS Gov. Max. Spring - Ref. Shims	3069724 - .000	109686 - .000	109687 - .000	109687 - .000	109686 - .000	3069724 - .000	42
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly	3074225		3063874	3063874	3067834	3074225	47
48 AFC In./Hg - PSI		10 - 4.9	9 - 4.4	9 - 4.4	9 - 4.4		48
49 AFC RPM - PSI	1200 - 36	1400 - 61	1600 - 73	1600 - 73	1600 - 73	1200 - 26	49
50 AFC Flow - pph	188	179	207	207	207	168	50
51 AFC Spring - Gage Height-In.	179832 - .117	179834 -	3007696 - .117	3007696 - .117	3007696 - .117	179826 - .117	51
52 AFC Bias Spring	3071704		3068170	3068170	3068170	3071950	52
53 AFC No Air RPM - PSI	1200 - 39	1400 - 84	1600 - 49	1600 - 49	1600 - 49	1200 - 30	53
54 AFC No Air Flow	196	176	164	164	164	184	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		3028325					61
62 Certified Year/Agency	1991 CARB		1991 EPA	1991 EPA	1991 EPA	1991 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-370	NTA-855-C	NT-444	89-NTC-444	89NT-444	N14-410	66
67 Notes	SEE NOTE (2)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)		67

NOTES

(2) FOR CHECK VALVE ONLY

(3) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.

(4) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.

(5) USE INJECTOR 3075447 IN ACCORDANCE W/FF-150. USE AIR SIDE ASA PN 3075502.

1 Pump Code	9514-C	9515-B	9516-B	9517-A	9518-A	9519-C	1
2 Date - Control Parts List	JUN93 - 1204	JUN93 - 1204	JUN93 - 1204	JUN93 - 1204	JUN93 - 1193	MAY93 - 1193	2
3 Test HP @ RPM	328 - 342 @ 2100	328 - 342 @ 2100	353 - 367 @ 2100	351 - 365 @ 2000	441 - 459 @ 2100	365 - 379 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	110 - 122	110 - 122	122 - 134	120 - 132	169 - 187	122 - 134	5
6 Fuel Rate Pound Per Hour	119 - 123	119 - 123	125 - 131	122 - 126	162 - 168	128 - 134	6
7 Intake Manifold Press. In./Hg	38 - 46	38 - 46	42 - 50	41 - 49	54 - 64	36 - 44	7
8 Torque Rise % - Curve	20 -	20 -	20 -	15 -	20 -	6 -	8
9 Torque Peak - PSI @ RPM			- @ 1400	- @ 1400	- @ 1400		9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2195 - 2215	2195 - 2215	2195 - 2215	2090 - 2110	2195 - 2215	2195 - 2215	11
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	2120 - 2140	2120 - 2140	2020 - 2040	2120 - 2140	1820 - 1840	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2510 @ 15	2510 @ 15	2520 @ 15	2540 @ 15	2657 @ 15	2500 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2390 @ 15	2400 @ 15	2400 @ 15	2340 @ 15	2457 @ 15	2400 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2420 @ 15	2420 @ 15	2420 @ 15	2340 @ 15	2457 @ 15	2106 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2252 @ 15	2300 @ 15	2300 @ 15	2171 @ 15	2305 @ 15	1997 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, - 1	28, - 1	28, - 1	28, - 1	28, - 1	28, - 1	21
22 Idle Speed PSI @ RPM-Auto.		29 @ 500	30 @ 500	31 @ 500	28 @ 500		22
23 Idle Speed cc @ RPM-Auto.	240 @ 640	240 @ 640	240 @ 640	240 @ 640	230 @ 610	230 @ 660	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 770 - 235	@ 640 - 240	@ 640 - 240	@ 640 - 240	@ 610 - 230	@ 610 - 230	24
25 Calibration PSI @ RPM	124 @ 2100	116 @ 2100	128 @ 2100	126 @ 2000	178 @ 2100	128 @ 1800	25
26 Calibration Flow	415	415	438	444	641	576	26
27 Check Point (1) PSI @ RPM	86 - 93 @ 1400	80 - 87 @ 1400	89 - 96 @ 1400	91 - 97 @ 1400	113 - 120 @ 1400	91 - 98 @ 1400	27
28 Check Point (1) Flow	346	346	366	377	503	485	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	42 - 140923	45 - 138862	40 - 137370	40 - 137370	30 - 141633	37 - 140418	34
35 Fuel Pump Housing	3038668	3038668	3038668	3038668	3038668	3038668	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .170	153237 - .170	153237 - .170	143252 - .105	3001155 - .155	147295 - .175	37
38 Gear Pump Size in.	.750	.750	.750	.750	1.000	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3002055 - .020 - .620	3002055 - .020 - .620	3002055 - .020 - .620	3053164 - .070 - .570	138802 - .045 - .595		41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109687 - .000	109687 - .000	109686 - .000	70822 - .000	109687 - .000	42
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1400 - 45	1400 - 45	1400 - 45	1400 - 45	1400 - 36	1400 - 36	49
50 AFC Flow - pph	240	240	240	240	276	276	50
51 AFC Spring - Gage Height-In.	179818 -	179818 -	179818 -	179818 -	179834 -	179834 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1400 - 64	1400 - 64	1400 - 64	1400 - 64	1400 - 62	1400 - 62	53
54 AFC No Air Flow	297	297	297	297	342	342	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	185505						61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-C	NTA-855-C	NTA-855-C	NTA-855-C	NTA-855-C-450	NTA-855-P	66
67 Notes	SEE NOTE (1)						67

NOTES

(1) FOR USE WITH CHECK VALVE ONLY

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 9520-A - 9525-A

1 Pump Code	9520-A	9521-A	9522-A	9523-B	9524-A	9525-A	1
2 Date - Control Parts List	AUG91 - 0413	JUN92 - 0769	JUN93 - 0909	JUN93 - 0909	JUN93 - 1204	JUN93 - 1557	2
3 Test HP @ RPM	230 - 240 @ 2100	343 - 357 @ 2100	392 - 408 @ 2100	392 - 408 @ 2100	353 - 367 @ 2100	375 - 383 @ 2100	3
4 Governed Speed-RPM					2100		4
5 Engine Fuel PSI	173 - 191	174 - 192	157 - 173	157 - 173	122 - 134	136 - 150	5
6 Fuel Rate Pound Per Hour	91 - 95	123 - 128	140 - 146	140 - 146	125 - 131	135 - 139	6
7 Intake Manifold Press. In./Hg		34 - 42	48 - 58	48 - 58	42 - 50	46 - 54	7
8 Torque Rise % - Curve	10 -	31 -	20 -	20 -	20 - FR-1317	35 - 0000000000	8
9 Torque Peak - PSI @ RPM	- @ 1500	- @ 1300	- @ 1400	- @ 1400	- @ 1400	- @ 1400	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	11
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	2120 - 2140	2120 - 2140	2120 - 2140	2120 - 2140	2120 - 2140	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2657 @ 15	2657 @ 15	2657 @ 15	2530 @ 15	2642 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI		2457 @ 15	2457 @ 15	2415 @ 15	2410 @ 15	2492 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2259 @ 15	2282 @ 15	2282 @ 15	2264 @ 15	2272 @ 15	19
20 Throttle Leakage-cc - pph		110 -	110 -	110 -		110 -	20
21 Throttle Travel-Auto., VS, Lev		28, - 1	28, - 1	28, - 1	, 21 - 1	28, 16 - 1	21
22 Idle Speed PSI @ RPM-Auto.	22 @ 500	39 @ 500	33 @ 500	31 @ 500	42 @ 500	36 @ 500	22
23 Idle Speed cc @ RPM-Auto.	200 @ 620	220 @ 630	200 @ 650	200 @ 650		220 @ 650	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 620 - 200	@ 630 - 220	@ 1045 - 240	@ 650 - 200	@ 640 - 240	@ 1040 - 240	24
25 Calibration PSI @ RPM	188 @ 2100	183 @ 2100	165 @ 2100	173 @ 2100	128 @ 2100	143 @ 2100	25
26 Calibration Flow	380	385	499	505	438	435	26
27 Check Point (1) PSI @ RPM	113 - 119 @ 1500	131 - 137 @ 1300	110 - 117 @ 1400	116 - 123 @ 1400	89 - 96 @ 1400	120 - 127 @ 1400	27
28 Check Point (1) Flow	290	320	402	411	364	400	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143855	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	42 - 140923	15 - 139894	32 - 141634	30 - 141633	40 - 137370	22 - 141630	34
35 Fuel Pump Housing	3024244	3038668	3038668	3038668	3042216	3038668	35
36 Auto. Idle Spring	144195	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3001159 - .000	143253 - .000	3001155 - .125	3001155 - .120	153237 - .145	3051817 - .170	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height		3035816 - .000 - .650	3002053 - .020 - .620	3002053 - .020 - .620	3002055 - .020 - .620	3053178 - .085 - .585	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109687 - .000	70822 - .000	70822 - .000	109687 - .000	109686 - .000	42
43 VS Gov. Idle Spring	70778	70778	153240	153240	153240		43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	AR40230	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI		8 - 3.9	8 - 3.9	8 - 3.9	6 - 2.9	8 - 3.9	48
49 AFC RPM - PSI		1600 - 67	1400 - 58	1400 - 58	1400 - 45	1400 - 58	49
50 AFC Flow - pph		219	276	276	240	276	50
51 AFC Spring - Gage Height-In.		179830 -	179824 -	179824 -	179818 -	179824 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI		1600 - 53	1400 - 76	1400 - 76	1400 - 64	1400 - 76	53
54 AFC No Air Flow		190	321	321	297	321	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve				185505			61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N-855-C-235	NTC-350	NTA-855-C	NTA-855-C SEE NOTE (4)	NTA-855-P	NTA-855-A375	66
67 Notes							67

NOTES

(4) USE WITH CHECK VALVE ONLY]]

1 Pump Code	9526-A	9527-A	9528-A	9529-A	9530-A	9531-A	1
2 Date - Control Parts List	FEB93 - 1557	AUG91 - 0413	OCT91 - 0821	MAY92 - 0463	SEP91 - 0499	MAY93 - 1193	2
3 Test HP @ RPM	375 - 383 @ 2100	230 - 240 @ 2100	441 - 459 @ 2100	300 - 312 @ 2000	274 - 286 @ 2100	490 - 510 @ 2100	3
4 Governed Speed-RPM	2100		2100				4
5 Engine Fuel PSI	136 - 150	173 - 191	199 - 219	135 - 149	119 - 131	199 - 219	5
6 Fuel Rate Pound Per Hour	135 - 139	91 - 95	153 - 159	110 - 115	107 - 111	176 - 184	6
7 Intake Manifold Press. In./Hg	46 - 54		48 - 56	34 - 42	34 - 42	54 - 64	7
8 Torque Rise % - Curve	35 -	10 -	24 - FR1637	16 -	20 -	8 -	8
9 Torque Peak - PSI @ RPM	- @ 1400	- @ 1500	- @ 1500	- @ 1500	- @ 1500	- @ 1400	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	11
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	2120 - 2140	2120 - 2140	2020 - 2040	2120 - 2140	2120 - 2140	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2642 @ 15		2657 @ 15	2500 @ 40		2657 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2492 @ 15		2457 @ 15	2300 @ 40		2457 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2380 @ 40	2457 @ 15	2300 @ 40	2315 @ 40	2457 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2272 @ 15	2380 @ 40	2302 @ 15	2120 @ 40	2315 @ 40	2327 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, 16 - 1	28, - 1	28, 20 -	28, - 1	28, - 1	28, - 1	21
22 Idle Speed PSI @ RPM-Auto.	33 @ 500	28 @ 500	38 @ 700	23 @ 500	36 @ 500	50 @ 600	22
23 Idle Speed cc @ RPM-Auto.	220 @ 650	200 @ 620	210 @ 750	150 @ 600	200 @ 600	230 @ 760	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 910 - 240	@ 620 - 200		@ 600 - 150	@ 600 - 200	@ 760 - 230	24
25 Calibration PSI @ RPM	149 @ 2100	173 @ 2100	215 @ 2100	141 @ 2000	131 @ 2100	209 @ 2100	25
26 Calibration Flow	435	340	647	360	335	720	26
27 Check Point (1) PSI @ RPM	125 - 132 @ 1400	105 - 111 @ 1500	172 - 178 @ 1500	103 - 109 @ 1500	91 - 97 @ 1500	118 - 124 @ 1400	27
28 Check Point (1) Flow	400	250	576	305	275	532	28
29 Check Point (2) PSI @ RPM		52 - 60 @ 1000		59 - 67 @ 1000	47 - 55 @ 1000		29
30 Check Point (2) Flow		160		225	180		30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143855	.800 - 143854	.840 - 143847	.900 - 143847	.800 - 143854	33
34 Idle Plunger Code - Part No.	22 - 141630	42 - 140923	12 - 141626	42 - 140923	67 - 141638	27 - 141632	34
35 Fuel Pump Housing	3038668	3035694	3038668	3035694		3038668	35
36 Auto. Idle Spring	3018767	144195	3018767	3018767	144195	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3051817 - .170	3001161 - .000	3000934 - .090	3001155 - .000	3001150 - .000	147296 - .145	37
38 Gear Pump Size In.	.750	.430	.750	.750	.750	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3010810	3040750	3010810	3010810	3040750	40
41 Torque Spring - Shims - Gage Height	3053178 - .085 - .585		3053164 - .100 - .600	3002056 - .000 - .600	142697 - .000 - .650	138805 - .000 - .500	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109687 - .000	109686 - .000	109687 - .000	109686 - .000	109687 - .000	42
43 VS Gov. Idle Spring		70778	70778	70778	70778	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	AR40230	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	8 - 3.9		8 - 3.9			8 - 3.9	48
49 AFC RPM - PSI	1400 - 58		1600 - 61			1400 - 36	49
50 AFC Flow - pph	276		317			276	50
51 AFC Spring - Gage Height-In.	179824 -		3007692 -			179834 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1400 - 76		1600 - 49			1400 - 62	53
54 AFC No Air Flow	321		322			342	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	3028325				185505		61
62 Certified Year/Agency			1987 EPA				62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-A375	N-855-C	NTC-450	NT-855C	NT855-C SEE NOTE (5)	NTA-855-C500	66
67 Notes							67

NOTES

(5) 3 SHIMS ON IDLE SPRING. USE CHECK VALVE.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 9532-A - 9537-A

1 Pump Code	9532-A	9533-A	9534-A	9535-A	9536-A	9537-A	1
2 Date - Control Parts List	JUN92 - 1204	JUN93 - 1215	JUN93 - 0909	AUG91 - 1210	JUN93 - 0891	JUN92 - 0633	2
3 Test HP @ RPM	343 - 357 @ 1800	441 - 459 @ 2100	392 - 408 @ 2100	441 - 459 @ 2100	392 - 408 @ 2100	294 - 306 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	112 - 124	218 - 240	156 - 172	202 - 222	156 - 172	125 - 139	5
6 Fuel Rate Pound Per Hour	117 - 121	159 - 165	138 - 144	154 - 160	142 - 148	104 - 108	6
7 Intake Manifold Press. In./Hg	35 - 43	45 - 53	48 - 58	49 - 57	41 - 49	32 - 40	7
8 Torque Rise % - Curve	6 -	24 - FR-1637	20 - FR 1316	26 -	25 -	33 -	8
9 Torque Peak - PSI @ RPM	- @ 1400	- @ 1500	- @ 1400	- @ 1500	- @ 1300	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1880 - 1900	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	11
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	2120 - 2140	2120 - 2140	2120 - 2140	2120 - 2140	2120 - 2140	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2306 @ 15	2657 @ 15	2657 @ 15	2657 @ 15	2657 @ 15	2657 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1986 @ 15	2305 @ 15	2282 @ 15	2305 @ 15	2282 @ 15	2236 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -		110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, - 1	28, 22 - 2	20 - 1	28, 13 -	28, - 1	28, - 1	21
22 Idle Speed PSI @ RPM-Auto.	32 @ 500	52 @ 650	50 @ 500	41 @ 500	37 @ 500	27 @ 500	22
23 Idle Speed cc @ RPM-Auto.	240 @ 640	210 @ 750		220 @ 700	200 @ 650	220 @ 630	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 640 - 240	@ 750 - 210	@ 650 - 200	@ 700 - 220	@ 650 - 200	@ 630 - 220	24
25 Calibration PSI @ RPM	118 @ 1800	229 @ 2100	164 @ 2100	212 @ 2100	163 @ 2100	132 @ 2100	25
26 Calibration Flow	415	618	520	376	482	341	26
27 Check Point (1) PSI @ RPM	90 - 97 @ 1400	184 - 191 @ 1500	110 - 117 @ 1400	163 - 170 @ 1500	106 - 112 @ 1300	88 - 94 @ 1300	27
28 Check Point (1) Flow	364	553	422	327	386	277	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	35 - 140922	10 - 141625	27 - 141632	20 - 141629	25 - 141631	40 - 137370	34
35 Fuel Pump Housing	3038668	3038668	3042216	3057808	3038668	3038668	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153236 - .075	3000934 - .075	3001155 - .115	143252 - .095	153236 - .000	143253 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138799 - .020 - .570	3053171 - .075 - .575	3002053 - .020 - .620	3053165 - .080 - .580	3002049 - .000 -	3002055 - .045 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	70822 - .000	109687 - .000	109687 - .000	109687 - .000	42
43 VS Gov. Idle Spring	153240	153240	153240	70778	70778	70778	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly				3041494			47
48 AFC In./Hg - PSI	6 - 2.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	4 - 1.9	48
49 AFC RPM - PSI	1400 - 45	1600 - 61	1400 - 58	1600 - 36	1600 - 59	1600 - 24	49
50 AFC Flow - pph	240	317	276	142	272	122	50
51 AFC Spring - Gage Height-In.	179818 -	3007692 -	179824 -	3007696 -	179834 -	179826 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1400 - 64	1600 - 49	1400 - 76	1600 - 47	1600 - 42	1600 - 73	53
54 AFC No Air Flow	297	322	321	159	224	245	54
55 ASA Valve				3061508	3042360		55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency				1989 CARB			62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-C	NTC-450	NTA-855-P	NTC-450	NTC-400	NTC-300	66
67 Notes				SEE NOTE (4)			67

NOTES

(4) THIS CODE TO BE USED WITH BHT3B TURBO REF FF122

1 Pump Code	9538-A	9539-A	9540-A	9541-C	9543-A	9544-A	
2 Date - Control Parts List	OCT91 - 0797	JUN93 - 1204	JUN92 - 1204	JUN93 - 1415	SEP92 - 1502	MAY93 - 1380	1
3 Test HP @ RPM	314 - 326 @ 1800	304 - 316 @ 2100	240 - 250 @ 1800	335 - 342 @ 2100	392 - 408 @ 2100	340 - 360 @ 1600	2
4 Governed Speed-RPM						1700	3
5 Engine Fuel PSI	136 - 150	99 - 109	68 - 76	116 - 128	165 - 183	121 - 135	4
6 Fuel Rate Pound Per Hour	105 - 109	110 - 114	84 - 88	118 - 122	140 - 146	116 - 123	5
7 Intake Manifold Press.-In./Hg	27 - 33	36 - 44	24 - 30	37 - 45	43 - 53	45 - 53	6
8 Torque Rise % - Curve	26 - FR-1297	30 - FR-1426	5 - FR 1641	35 -	20 - FR-1635		7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1400	- @ 1400	- @ 1400	- @ 1400	81 - 94 @ 1100	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1880 - 1900	2195 - 2215	1880 - 1900	2195 - 2215	2220 - 2240	1775 - 1795	10
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	2120 - 2140	1820 - 1840	2120 - 2140	2120 - 2140		11
13 Cruise Speed-PSI @ RPM						81 - 91 @ 1836	12
14 Max. Auto. Gov. Check-RPM @ PSI	2220 @ 15	2657 @ 15	2310 @ 15	2550 @ 15	2535 @ 15	2120 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2100 @ 15	2457 @ 15	2110 @ 15	2420 @ 15	2415 @ 15	2000 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 15	2457 @ 15	2110 @ 15	2420 @ 15	2430 @ 15	2000 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1970 @ 15	2241 @ 15	1930 @ 15	2254 @ 15	2310 @ 15	1870 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	75 -	19
21 Throttle Travel-Auto., VS, Lev	28, 18 - 2	28, 18 - 1	28, 18 - 1	14 -	28, 20 - 1	28, 19 - 2	20
22 Idle Speed PSI @ RPM-Auto.	33 @ 500	30 @ 500	23 @ 500	46 @ 500	20 @ 500	46 @ 500	21
23 Idle Speed cc @ RPM-Auto.	210 @ 620	240 @ 640	240 @ 640	240 @ 640	240 @ 525	210 @ 710	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 620 - 210	@ 865 - 235	@ 640 - 240	@ 900 - 240	@ 525 - 240	@ 710 - 210	23
25 Calibration PSI @ RPM	143 @ 1800	104 @ 2100	72 @ 1800	113 @ 1400	174 @ 2100	128 @ 1600	24
26 Calibration Flow	357	392	326	380	335	380	25
27 Check Point (1) PSI @ RPM	121 - 128 @ 1300	80 - 86 @ 1400	53 - 59 @ 1400	127 - 131 @ 2100	118 - 125 @ 1400	84 - 91 @ 1100	26
28 Check Point (1) Flow	329	345	282	410	273	306	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.760 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	45 - 138862	67 - 141638	25 - 141631	32 - 141634	20 - 141629	33
35 Fuel Pump Housing	3038668	3038668	3038668	3038668	3038668	3070269	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3004755 - .175	143254 - .210	153237 - .100	143253 - .140	143251 - .065	153235 - .155	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040850	39
41 Torque Spring - Shims - Gage Height	3053163 - .085 - .585	3821491 - .015 - .615	3053156 - .050 - .550	3821488 - .015 - .615	3002053 - .030 - .630	3053159 - .055 - .555	40
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000	109687 - .000	109686 - .000	109687 - .000	109687 - .000	3069724 - .000	41
43 VS Gov. Idle Spring	70778	153240	153240	153240	153240	153240	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly						3074225	46
48 AFC In./Hg - PSI	4 - 1.9	6 - 2.9	6 - 2.9	6 - 2.9	10 - 4.9		47
49 AFC RPM - PSI	1600 - 28	1400 - 45	1400 - 45	1400 - 45	1400 - 61	1100 - 36	48
50 AFC Flow - pph	128	240	240	179	179	188	49
51 AFC Spring - Gage Height-In.	179822 -	179818 -	179818 -	179818 -	179834 -	179832 - .117	50
52 AFC Bias Spring						3071951	51
53 AFC No Air RPM - PSI	1600 - 59	1400 - 64	1400 - 48	1400 - 64	1400 - 84	1100 - 40	52
54 AFC No Air Flow	198	297	240	297	176	200	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims				.034 - .000			55
57 TMD Spring				70821			56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve				3028325			60
62 Certified Year/Agency	1987 EPA					1993 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTC-350	NTA-855-C	NTA-855-P	NTA-855-A	NTA-855-C	N14-350P	65
67 Notes				SEE NOTE (4)			66

NOTES

(4) CHECK VALVE ONLY] TMD PARTS:#204 REG.3003150 / 70821 REG.SPRIN ST-589 SET +.034. VS IDLE SET : 240 CC / MIN @ 900 RPM.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 9545-B - 9551-A

1 Pump Code	9545-B	9546-B	9547-A	9548-A	9549-A	9551-A	1
2 Date - Control Parts List	JUN93 - 1652	JUN93 - 1576	FEB93 - 1415	APR93 - 0028	APR93 - 1576	JUN93 - 0731	2
3 Test HP @ RPM	421 - 439 @ 1600	426 - 444 @ 1800	335 - 342 @ 2100	202 - 211 @ 2100	490 - 510 @ 2100	235 - 245 @ 1800	3
4 Governed Speed-RPM	1800						4
5 Engine Fuel PSI	159 - 175	154 - 170	116 - 128	134 - 144	194 - 214	86 - 96	5
6 Fuel Rate Pound Per Hour	140 - 146	145 - 151	118 - 122	81 - 85	175 - 183	87 - 91	6
7 Intake Manifold Press. In./Hg	47 - 57	47 - 57	37 - 45		54 - 64	17 - 23	7
8 Torque Rise % - Curve		6 -	35 -	10 - C-3088	8 -	10 -	8
9 Torque Peak - PSI @ RPM	102 - 120 @ 1200	- @ 1400			- @ 1400	55 - 71 @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1880 - 1900	1920 - 1940	2160 - 2180	2195 - 2215	2195 - 2215	1880 - 1900	11
12 VS/Sec. Gov. Setting-RPM	1760 - 1780	1820 - 1840		2120 - 2140	2120 - 2140	1820 - 1840	12
13 Cruise Speed-PSI @ RPM			91 - 95 @ 2200				13
14 Max. Auto. Gov. Check-RPM @ PSI	2370 @ 15	2380 @ 15	2580 @ 15	2600 @ 15	2550 @ 15	2270 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2250 @ 15	2260 @ 15	2440 @ 15	2400 @ 15	2430 @ 15	2070 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 15	2110 @ 15	2390 @ 15	2400 @ 15	2405 @ 15	2070 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1980 @ 15	2010 @ 15	2230 @ 15	2200 @ 15	2280 @ 15	1927 @ 15	19
20 Throttle Leakage-cc - pph	75 -	75 -	110 -		110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, 14 - 2	28, 12 - 1	28, - 1		28, 23 - 1	28, - 1	21
22 Idle Speed PSI @ RPM-Auto.	45 @ 650			25 @ 500	28 @ 500	21 @ 500	22
23 Idle Speed cc @ RPM-Auto.	210 @ 710	185 @ 550	240 @ 640		185 @ 650	220 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 710 - 210	@ 1000 - 225	@ 900 - 240	@ 615 - 200	@ 650 - 185	@ 600 - 220	24
25 Calibration PSI @ RPM	167 @ 1600	162 @ 1800	133 @ 1900	143 @ 2100	204 @ 2100	98 @ 1800	25
26 Calibration Flow	430	293	420	445	340	276	26
27 Check Point (1) PSI @ RPM	110 - 117 @ 1200	117 - 123 @ 1400	108 - 115 @ 1400	107 - 113 @ 1500	118 - 125 @ 1400	65 - 72 @ 1300	27
28 Check Point (1) Flow	346	246	384	385	251	224	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.760 - 143854	.800 - 143854	.800 - 143854	.840 - 143847	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	15 - 139894	32 - 141634	27 - 141632	45 - 138862	35 - 140922	57 - 140926	34
35 Fuel Pump Housing	3070269	3038668	3038668	3042216	3038668	3057808	35
36 Auto. Idle Spring	3018767	3018767	3018767	144195	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3001156 - .040	143251 - .050	3004755 - .150	143252 - .000	3001157 - .100	153238 - .170	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040850	3040760	3040750	AR40130	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053171 - .000 - .500	3051812 - .000 - .500	3052124 - .000 - .572	139585 - .000 -	3053156 - .040 - .540	138800 - .000 - .550	41
42 VS Gov. Max. Spring - Ref. Shims	70822 - .000	3069725 - .000	109687 - .000	70821 - .000	109686 - .000	70821 - .000	42
43 VS Gov. Idle Spring	153240			70778	153240	70778	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	AR40240	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly	3074225					3041494	47
48 AFC In./Hg - PSI		8 - 3.9	6 - 2.9		8 - 3.9	5 - 2.4	48
49 AFC RPM - PSI	1200 - 26	1400 - 69	1400 - 45		1400 - 69	1600 - 66	49
50 AFC Flow - pph	168	208	240		208	232	50
51 AFC Spring - Gage Height-In.	179826 - .117	179826 -	179818 -		179826 -	179808 -	51
52 AFC Bias Spring	3071950						52
53 AFC No Air RPM - PSI	1200 - 30	1400 - 43	1400 - 64		1400 - 43	1600 - 59	53
54 AFC No Air Flow	184	135	297		135	214	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve			3028325			3028325	61
62 Certified Year/Agency	1993 CARB						62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-430	NTA-855-C	NTA-855-A	H-743-P-220	NTA-855-C	NT-855-M	66
67 Notes	SEE NOTE (1)						67

NOTES

(1) NOT FOR SALE IN MEXICO

1 Pump Code	9705-A	9706-A	9707-B	9708-A	9709-A	9710-A	1
2 Data - Control Parts List	SEP80 - 0000	SEP80 - 0000	NOV88 - 0000	SEP80 - 0000	SEP80 - 0000	SEP80 - 0000	2
3 Test HP @ RPM	1 - 9999 @	1 - 9999 @	1 - 9999 @	1 - 9999 @	1 - 9999 @	1 - 9999 @	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI							5
6 Fuel Rate Pound Per Hour							6
7 Intake Manifold Press. In./Hg							7
8 Torque Rise % - Curve							8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph							20
21 Throttle Travel-Auto., VS, Levr							21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.							23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM							25
26 Calibration Flow							26
27 Check Point (1) PSI @ RPM							27
28 Check Point (1) Flow							28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.840 - 143847	.840 - 143847	.840 - 143847	.840 - 143847	.840 - 143847	.840 - 143847	33
34 Idle Plunger Code - Part No.	40 - 137370	30 - 141633	20 - 141629	32 - 141634	35 - 140922	45 - 138862	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	153236 - .000	143251 - .000	3000940 - .000	143250 - .000	143251 - .000	143249 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.430	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	163826	39
40 Auto. Gov. Plunger	AR40130	AR40130	3010810	AR40130	AR40130	AR40130	40
41 Torque Spring - Shims - Gage Height	3002053 - .000	138768 - .000	3002058 - .000	138783 - .000	138794 - .000	138784 - .000	41
42 VS Gov. Max. Spring - Ref. Shims			70821 - .000	70821 - .000		109687 - .000	42
43 VS Gov. Idle Spring			70778	70778		70778	43
44 VS Gov. Weights			163826	163826		163826	44
45 VS Gov. Plunger			AR40240	AR40240		AR40240	45
46 VS Gov. Sleeve			212148	212148		213514	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.		179826		179826			51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model							66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) UNCALIBRATED PUMP. AFC PLUGGED HOUSING, AUTO GOV., RH ROTATION, 0.75 GEAR PUMP, 146437 WEIGHTS, 203350 GOV. PLUNGER
- (2) UNCALIBRATED PUMP. WORKING AFC; AUTO. GOV.; R.H. ROTATION; 0.75 GEAR PUMP; 146437 WEIGHTS; 203350 GOV. PLUNGER.
- (3) UNCALIBRATED PUMP. AFC PLUGGED HOUSING; VS GOVERNOR; R.H. ROTATION; 0.75 GEAR PUMP; 146437 LOWER WEIGHTS; 163826 UPPER WEIGHTS; 3009380 GOVERNOR PLUNGER.
- (4) UNCALIBRATED PUMP. WORKING AFC; VS GOVERNOR; R.H. ROTATION; 0.75 GEAR PUMP; 146437 LOWER WEIGHTS; 163826 UPPER WEIGHTS; 203350 GOV. PLUNGER.
- (5) UNCALIBRATED PUMP. AFC PLUGGED HOUSING; AUTO. GOV.; R.H. ROTATION; 0.43 GEAR PUMP; 146437 WEIGHTS; 203350 GOV. PLUNGER.
- (6) UNCALIBRATED PUMP. AFC PLUGGED HOUSING; VS GOVERNOR; L.H. ROTATION; 0.75 GEAR PUMP; 163826 LOWER WEIGHTS; 163826 UPPER WEIGHTS; 203350 GOVERNOR PLUNGER.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES 9711-A - 9722-A

1 Pump Code	9711-A	9712-A	9713-A	9714-A	9715-A	9722-A	1
2 Date - Control Parts List	SEP80 - 0000	SEP80 - 0000	SEP80 - 0000	SEP80 - 0000	SEP80 - 0000	JUN92 - 1382	2
3 Test HP @ RPM	1 - 9999 @	1 - 9999 @	1 - 9999 @	1 - 9999 @	1 - 9999 @	368 - 383 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI						147 - 163	5
6 Fuel Rate Pound Per Hour						133 - 139	6
7 Intake Manifold Press. In./Hg						42 - 52	7
8 Torque Rise % - Curve						- FR-1521	8
9 Torque Peak - PSI @ RPM						118 - 134 @ 1500	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM						1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI						2190 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI						2060 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph						110 -	20
21 Throttle Travel-Auto. - VS, Lev						28, -	21
22 Idle Speed PSI @ RPM-Auto.						28 @ 500	22
23 Idle Speed cc @ RPM-Auto.						180 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM						155 @ 1800	25
26 Calibration Flow						473	26
27 Check Point (1) PSI @ RPM						119 - 126 @ 1500	27
28 Check Point (1) Flow						414	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	840 - 143847	840 - 143847	800 - 143848	800 - 143855	840 - 143847	800 - 143854	33
34 Idle Plunger Code - Part No.	35 - 140922	42 - 140923	20 - 141629	32 - 141634	17 - 140417	30 - 141633	34
35 Fuel Pump Housing						3060695	35
36 Auto. Idle Spring	144195	144195	3018767	144195	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143250 - .000	143250 - .000	143253 - .000	143254 - .000	143253 - .000	3000940 - .175	37
38 Gear Pump Size In.	.430	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	163826	146437	163826	146437	146437	39
40 Auto. Gov. Plunger	AR40130	AR40130	3010810	3021480	3010810	3040750	40
41 Torque Spring - Shims - Gage Height	138797 - .000	138783 - .000	138783 - .000	3002047 - .000	138784 - .000	3053157 - .000 - .500	41
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000				70821 - .000		42
43 VS Gov. Idle Spring	70778				70778		43
44 VS Gov. Weights	163826				163826		44
45 VS Gov. Plunger	AR40240				AR40230		45
46 VS Gov. Sleeve	212148				212148		46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.			179818 -	179808 -	179818 -		51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with SI589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model						NT-855-G4	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) UNCALIBRATED PUMP. AFC PLUGGED HOUSING; VS GOVERNOR; R.H. ROTATION; 0.43 GEAR PUMP; 146437 LOWER WEIGHTS; 163826 UPPER WEIGHTS; 203350 GOVERNOR PLUNGER.
- (2) UNCALIBRATED PUMP. AFC PLUGGED HOUSING; AUTO. GOV.; L.H. ROTATION; 0.75 GEAR PUMP; 163826 WEIGHTS; 203350 GOVERNOR PLUNGER.
- (3) UNCALIBRATED PUMP. WORKING AFC; AUTO. GOVERNOR; R.H. ROTATION; 0.75 PRESSURIZED GEAR PUMP; 146437 WEIGHTS; 3009380 GOVERNOR PLUNGER; HYDRAULIC ASA.
- (4) UNCALIBRATED PUMP. WORKING AFC; AUTO. GOVERNOR; L.H. ROTATION; 0.75 PRESSURIZED GEAR PUMP; 163826 WEIGHTS; 3009380 GOVERNOR PLUNGER WITH OVERSPEED COMPONENTS.
- (5) UNCALIBRATED PUMP. WORKING AFC; VS GOVERNOR; R.H. ROTATION; 0.75 GEAR PUMP; 146437 LOWER WEIGHTS; 163826 UPPER WEIGHTS; 3009380 GOVERNOR PLUNGER; HYDRAULIC ASA.
- (6) PRESSURIZED GEAR PUMP; GEN SET ONLY. FOR USE WITH OR WITHOUT CHECK VALVE. FOR USE WITH NONE, WOODWARD, BOSCH, BARBER COLEMAN, OR EFC GOVERNORS.

1 Pump Code	9723-B	9724-B	9725-A	9726-A	9727-A	9728-A	1
2 Date - Control Parts List	JUN93 - 1436	DEC92 - 0991	APR92 - 1382	MAY92 - 0990	MAY93 - 1381	AUG92 - 1382	2
3 Test HP @ RPM	461 - 479 @ 1500	524 - 546 @ 1800	382 - 398 @ 1800	456 - 474 @ 1800	446 - 464 @ 1800	426 - 444 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	173 - 191	207 - 229	162 - 180	170 - 188	212 - 234	196 - 216	5
6 Fuel Rate Pound Per Hour	140 - 146	184 - 192	138 - 144	164 - 170	155 - 161	155 - 161	6
7 Intake Manifold Press. In./Hg	54 - 64	59 - 69	41 - 49	46 - 56	61 - 69	50 - 60	7
8 Torque Rise % - Curve	- FR-1624		5 - FR-1522	11 - FR-1526	14 - FR-1524		8
9 Torque Peak - PSI @ RPM				179 - 202 @ 1500	179 - 202 @	135 - 175 @ 1500	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1620 - 1640	1940 - 1960	1915 - 1935	2010 - 2030	2005 - 2025	2005 - 2025	11
12 VS/Sec. Gov. Setting-RPM				1915 - 1935	1915 - 1935	1935 - 1955	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	1830 @ 15	2200 @ 15	2200 @ 15	2420 @ 15	2420 @ 15	2450 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1710 @ 15	2050 @ 15	2050 @ 15	2220 @ 15	2220 @ 15	2250 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2200 @ 15	2200 @ 15	2190 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2050 @ 15	2050 @ 15	2060 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, 23 - 2	28, 24 - 2	28, 23 - 2	21
22 Idle Speed PSI @ RPM-Auto.	43 @ 500	41 @ 500	28 @ 500	43 @ 500	71 @ 500	26 @ 500	22
23 Idle Speed cc @ RPM-Auto.	220 @ 665	220 @ 610	180 @ 600	215 @ 670	200 @ 650	180 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc				@ 670 - 215	@ 650 - 200	@ 600 - 180	24
25 Calibration PSI @ RPM	182 @ 1500	218 @ 1800	171 @ 1800	179 @ 1800	223 @ 1800	206 @ 1800	25
26 Calibration Flow	684	760	487	731	543	535	26
27 Check Point (1) PSI @ RPM	162 - 168 @ 1350	176 - 183 @ 1500	134 - 142 @ 1500	154 - 161 @ 1500	201 - 207 @ 1500	158 - 165 @ 1500	27
28 Check Point (1) Flow	648	678	430	678	517	466	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	5 - 141623	12 - 141626	25 - 141631	12 - 141626	5 - 141623	17 - 140417	34
35 Fuel Pump Housing	3060695	3060695	3060695	3038668	3038668	3038668	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	144195	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3051817 - .165	3001147 - .190	143252 - .065	3001147 - .190	3053102 - .175	3001155 - .150	37
38 Gear Pump Size In.	1.000	1.000	.750	1.000	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138999 - .000 - .500	138999 - .035 - .535	3053160 - .000 - .500	3053162 - .080 - .580	3053166 - .075 - .575	3053170 - .000 - .500	41
42 VS Gov. Max. Spring - Ref. Shims				70821 - .000	70821 - .000	70821 - .000	42
43 VS Gov. Idle Spring				153240	153240	153240	43
44 VS Gov. Weights				163826	163826	163826	44
45 VS Gov. Plunger				212350	212350	212350	45
46 VS Gov. Sleeve				212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NT-855-G	NTA-855-G3	NT-855-G5	NT-855-G2	NT-855-G6	NTA-855-G6	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) FOR USE WITH OR WITHOUT CHECK VALVE. FOR USE WITH NONE; WOODWARD; BOSCH; EFC; OR BARBER COLEMAN GOVERNORS.
- (2) THIS FUEL CODE FOR USE WITH OR WITHOUT CHECK VALVE. FOR USE WITH NONE; WOODWARD; BOSCH; EFC OR BARBER COLEMAN GOVERNORS.
- (3) THIS FUEL CODE FOR USE WITH OR WITHOUT CHECK VALVE. FOR USE WITH NONE; WOODWARD; BOSCH; EFC; OR BARBER COLEMAN GOVERNORS.
- (4) GEN SET ONLY FOR USE WITH OR WITHOUT CHECK VALVE FOR USE WITH NONE; WOODWARD; OR BARBER COLEMAN GOVERNORS.
- (5) GEN SET ONLY] FOR USE WITH OR WITHOUT CHECK VALVE; FOR USE WITH NONE; WOODWARD; OR BARBER COLEMAN GOVERNORS.
- (6) THIS FUEL CODE FOR USE WITH OR WITHOUT CHECK VALVE; FOR USE WITH NONE; WOODWARD; OR BARBER COLEMAN GOVERNORS.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B600-E - B605-B

1 Pump Code	B600-E	B601-C	B602-C	B603-D	B604-C	B605-B	
2 Date - Control Parts List	DEC91 - 0846	FEB92 - 0846	DEC91 - 0846	JAN90 - 0846	DEC91 - 0846	FEB93 - 0874	1
3 Test HP @ RPM	1735 - 1804 @ 1800	1735 - 1804 @ 1800	1735 - 1804 @ 1800	1735 - 1804 @ 1800	1735 - 1804 @ 1800	1587 - 1653 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	177 - 190	177 - 190	177 - 190	188 - 208	182 - 196	169 - 182	4
6 Fuel Rate Pound Per Hour	595 - 633	595 - 633	595 - 633	617 - 655	595 - 633	525 - 558	5
7 Intake Manifold Press. In./Hg	74 - 82	74 - 82	74 - 82	74 - 82	74 - 82	54 - 60	6
8 Torque Rise % - Curve	8 - C-4344	8 - C-4344	8 - C-4344	8 - C-4344	8 - C-4344	- C-4280	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1910 - 1930	1910 - 1930	1910 - 1930	1920 - 1940	1910 - 1930	1910 - 1930	10
12 VS/Sec. Gov. Setting-RPM				1820 - 1840			11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 40	2200 @ 40	2200 @ 40		2200 @ 40	2100 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI	1980 @ 40						14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2200 @ 40			17
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2200 @ 40			18
20 Throttle Leakage-cc - pph	75 -	75 -	75 -	75 -	75 -	110 - 12	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	184 @ 1800	184 @ 1800	184 @ 1800	194 @ 1800	185 @ 1800	167 @ 1800	24
26 Calibration Flow	1000	1150	1150	1030	1150	920	25
27 Check Point (1) PSI @ RPM	150 - 156 @ 1500	153 - 159 @ 1500	153 - 159 @ 1500	159 - 165 @ 1500	158 - 164 @ 1500	125 - 131 @ 1500	26
28 Check Point (1) Flow	900	1050	1050	930	1050	800	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	32
34 Idle Plunger Code - Part No.	12 - 141626	10 - 141625	10 - 141625	10 - 141625	12 - 141626	25 - 141630	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	153236 - .000	143252 - .000	143252 - .000	153236 - .000	143252 - .000	3000936 - .000	36
38 Gear Pump Size In.	1.250	1.250	1.250	1.250	1.250	1.250	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138799 - .020 -	138788 - .040 -	138788 - .040 -	138799 - .020 -	138788 - .040 -		40
42 VS Gov. Max. Spring - Ref. Shims				109686 - .000			41
43 VS Gov. Idle Spring				70778			42
44 VS Gov. Weights				163826			43
45 VS Gov. Plunger				3018640			44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency		1992 GEN					61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTIA50-G/GS/GC	KTIA50-G/GS/GC	KTIA50-G/GS/GC	KTIA50-G-GS-GC	KTIA50-G-GS-GC	KTIA50-G/GS/GC2	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279582. FUEL PRESSURE AT RAIL TO BE 174-186 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B695
- (2) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279576. FUEL PRESSURE AT RAIL TO BE 174-186 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B696
- (3) USE WITH W/W PSG GOVERNOR SYSTEM. USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279589. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 174-186 PSI. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B697
- (4) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279588. FUEL PRESSURE AT RAIL TO BE 174-186 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS.
- (5) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279589. FUEL PRESSURE AT RAIL TO BE 174-186 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B698
- (6) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279582. FUEL PRESSURE AT RAIL TO BE 160-172 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B699

1 Pump Code	B606-B	B607-A	B608-B	B609-B	B610-C	B611-C	
2 Date - Control Parts List	NOV92 - 0874	FE893 - 0874	DEC92 - 0874	OCT87 - 0874	FE893 - 0862	FE893 - 0862	1
3 Test HP @ RPM	1587 - 1653 @ 1800	1587 - 1653 @ 1800	1621 - 1684 @ 1800	1587 - 1653 @ 1800	1461 - 1520 @ 1800	1461 - 1520 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	169 - 182	169 - 182	167 - 184	169 - 182	143 - 153	143 - 153	4
6 Fuel Rate Pound Per Hour	525 - 558	525 - 558	525 - 558	525 - 558	481 - 509	481 - 509	5
7 Intake Manifold Press. In./Hg	54 - 60	54 - 60	54 - 60	54 - 60	50 - 55	50 - 55	6
8 Torque Rise % - Curve	- C-4280	- C-4280	- C-4280	- C-4280	4 - C-3849	4 - C-3849	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	1930 - 1950	1920 - 1940	1910 - 1930	1910 - 1930	1910 - 1930	10
12 VS/Sec. Gov. Setting-RPM			1840 - 1860				11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40		2100 @ 40	2200 @ 40	2100 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI					1980 @ 40		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2100 @ 40				17
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2100 @ 40				18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	75 - 8	75 -	110 - 12	110 - 12	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -			28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	167 @ 1800	170 @ 1800	167 @ 1800	175 @ 1800	148 @ 1800	148 @ 1800	24
26 Calibration Flow	920	1080	920	920	890	890	25
27 Check Point (1) PSI @ RPM	125 - 131 @ 1500	128 - 134 @ 1500	125 - 131 @ 1500	133 - 139 @ 1500	124 - 130 @ 1500	124 - 130 @ 1500	26
28 Check Point (1) Flow	800	860	800	800	830	830	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.780 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	32
34 Idle Plunger Code - Part No.	25 - 141630	10 - 141625	25 - 141631	25 - 141631	20 - 141629	20 - 141629	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3000936 - .000	3000937 - .000	3000937 - .000	3000937 - .000	143253 - .000	143253 - .000	36
38 Gear Pump Size In.	1.250	1.250	1.250	1.250	1.250	1.250	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height							40
42 VS Gov. Max. Spring - Ref. Shims			109686 - .000		138791 - .020	138791 - .020	41
43 VS Gov. Idle Spring			70778				42
44 VS Gov. Weights			163826				43
45 VS Gov. Plunger			3018640				44
46 VS Gov. Sleeve			3014693				45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency					1992 GEN		61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA50-G/GS/GC2	KTA50-G/GS/GC2	KTA50-G-GS-GC2	KTA50-G/GS/GC2	KTA50-G/GS/GC1	KTA50-G/GS/GC1	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279576. FUEL PRESSURE AT RAIL TO BE 160-172 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B700.
- (2) USE WITH W/W PSG GOVERNOR SYSTEM. USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279589. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 160-172 PSI. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B701.
- (3) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279588. FUEL PRESSURE AT RAIL TO BE 160-172 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS.
- (4) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279589. FUEL PRESSURE AT RAIL TO BE 160-172 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B702.
- (5) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279582. FUEL PRESSURE AT RAIL TO BE 140-151 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B703.
- (6) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279576. FUEL PRESSURE AT RAIL TO BE 140-151 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B704.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B612-B - B617-B

1 Pump Code	B612-B	B613-F	B614-B	B615-B	B616-B	B617-B	
2 Date - Control Parts List	FEB93 - 0862	DEC92 - 0862	FEB93 - 0862	JUL87 - 0876	APR93 - 0876	JUL87 - 0876	1
3 Test HP @ RPM	1461 - 1520 @ 1800	1491 - 1505 @ 1800	1461 - 1520 @ 1800	1314 - 1367 @ 1800	1314 - 1367 @ 1800	1314 - 1367 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	149 - 160	137 - 152	149 - 160	168 - 180	168 - 180	168 - 180	4
6 Fuel Rate Pound Per Hour	481 - 509	489 - 520	481 - 509	445 - 472	445 - 472	445 - 472	5
7 Intake Manifold Press. In./Hg	50 - 55	47 - 55	50 - 55	62 - 68	62 - 68	62 - 68	6
8 Torque Rise % - Curve	4 - C-3849	4 - C-3849	4 - C-3849	5 - C-4230	5 - C-4230	5 - C-4230	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1910 - 1930	1970 - 1990	1910 - 1930	1910 - 1930	1910 - 1930	1910 - 1930	10
12 VS/Sec. Gov. Setting-RPM		1870 - 1890					11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2250 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI		2000 @ 40	2000 @ 40				14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2100 @ 40					17
19 Min. VS/Sec. Gov. Check-RPM @ PSI		1900 @ 40					18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	75 -	110 - 12	75 -	19
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 600 - 550					23
25 Calibration PSI @ RPM	156 @ 1800	144 @ 1800	148 @ 1800	174 @ 1800	174 @ 1800	174 @ 1800	24
26 Calibration Flow	1000	920	855	790	790	790	25
27 Check Point (1) PSI @ RPM	128 - 134 @ 1500	129 - 135 @ 1500	127 - 133 @ 1500	146 - 152 @ 1500	146 - 152 @ 1500	146 - 152 @ 1500	26
28 Check Point (1) Flow	860	880	790	730	730	730	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	32
34 Idle Plunger Code - Part No.	15 - 139894	12 - 141626	27 - 141632	17 - 140417	17 - 140417	12 - 141626	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	3001146 - .000	143253 - .000	143253 - .000	143253 - .000	143253 - .000	36
38 Gear Pump Size In.	1.250	1.250	1.250	1.000	1.000	1.000	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138791 - .040 -	3002055 - .040 -	138802 - .040 -	138791 - .040 -	138791 - .040 -	138792 - .040 -	40
42 VS Gov. Max. Spring - Ref. Shims		109686 - .000					41
43 VS Gov. Idle Spring		138810					42
44 VS Gov. Weights		163826					43
45 VS Gov. Plunger		3018640					44
46 VS Gov. Sleeve		3014693					45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTASO-G/GS/GC1	KTASO-G-GS-GC1	KTASO-G/GS/GC1	KTASO-G/GS/GC	KTASO-G/GS/GC	KTASO-G/GS/GC	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH WAW PSG GOVERNOR SYSTEM. USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279589. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 140-151 PSI. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B705.
- (2) USE WITH WAW PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075614. FUEL PRESSURE AT RAIL TO BE 131-144 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B398 (NON R.D.F.). TWIN LEVERED PUMP.
- (3) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279589. FUEL PRESSURE AT RAIL TO BE 140-151 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B706.
- (4) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279584. FUEL PRESSURE AT RAIL TO BE 162-174 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B710.
- (5) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279578. FUEL PRESSURE AT RAIL TO BE 162-174 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B711.
- (6) USE WITH WAW PSG GOVERNOR SYSTEM. USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279591. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 162-174 PSI. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B712.

1 Pump Code	B618-C	B619-B	B620-D	B621-C	B622-C	B623-G	1
2 Date - Control Parts List	JAN90 - 0876	JUL87 - 0876	JUL87 - 0864	JUL87 - 0864	FEB93 - 0864	DEC92 - 0864	2
3 Test HP @ RPM	1314 - 1367 @ 1800	1314 - 1367 @ 1800	1176 - 1224 @ 1800	1176 - 1224 @ 1800	1176 - 1224 @ 1800	1176 - 1224 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	170 - 188	172 - 184	163 - 175	163 - 175	163 - 175	161 - 178	5
6 Fuel Rate Pound Per Hour	445 - 472	445 - 472	384 - 408	384 - 408	384 - 408	384 - 408	6
7 Intake Manifold Press. In./Hg	62 - 68	62 - 68	57 - 63	57 - 63	57 - 63	53 - 63	7
8 Torque Rise % - Curve	5 - C-4230	5 - C-4230	- C-4130	- C-4130	- C-4130	- C-4130	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1930	1910 - 1930	1910 - 1930	1910 - 1930	1910 - 1930	1940 - 1960	11
12 VS/Sec. Gov. Setting-RPM	1820 - 1840					1840 - 1860	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2100 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	2200 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI						2000 @ 40	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40					2000 @ 40	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40					1900 @ 40	19
20 Throttle Leakage-cc - pph	75 -	75 -	75 -	75 -	110 - 12	75 - 8	20
21 Throttle Travel-Auto., VS, Levr					28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc						@ 600 - 550	24
25 Calibration PSI @ RPM	179 @ 1800	178 @ 1800	169 @ 1800	169 @ 1800	169 @ 1800	163 @ 1800	25
26 Calibration Flow	900	790	740	740	740	750	26
27 Check Point (1) PSI @ RPM	153 - 159 @ 1500	150 - 156 @ 1500	128 - 134 @ 1500	128 - 134 @ 1500	128 - 134 @ 1500	122 - 128 @ 1500	27
28 Check Point (1) Flow	850	730	640	640	640	650	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	10 - 141625	12 - 141626	27 - 141632	27 - 141632	27 - 141632	25 - 141631	34
35 Fuel Pump Housing						3279605	35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	143253 - .000	147295 - .000	147295 - .000	3000936 - .000	3000936 - .080	37
38 Gear Pump Size In.	1.000	1.000	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138792 - .020 -	138792 - .040 -			142696 - .000 -		41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000					109686 - .000	42
43 VS Gov. Idle Spring	70778					138810	43
44 VS Gov. Weights	163826					163826	44
45 VS Gov. Plunger	3018640					3018640	45
46 VS Gov. Sleeve	3014693					3014693	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency						1996 GEN	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA38-G-GS-GC	KTA38-G/GS/GC	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279590. FUEL PRESSURE AT RAIL TO BE 162-178 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS.
- (2) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279591. FUEL PRESSURE AT RAIL TO BE 162-174 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B713.
- (3) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279586. FUEL PRESSURE AT RAIL TO BE 160-169 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED. EFC HOUSING. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B714.
- (4) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279580. FUEL PRESSURE AT RAIL TO BE 160-169 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED. EFC HOUSING. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B715.
- (5) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 160-169 PSI. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279593. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B716.
- (6) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075666. FUEL PRESSURE AT RAIL TO BE 147-162 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. REPLACED BY B470.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B624-C - B629-C

1 Pump Code	B624-C	B625-E	B626-D	B627-D	B628-G	B629-C	
2 Date - Control Parts List	JUL87 - 0864	JUN92 - 0864	SEP92 - 0864	SEP92 - 0864	JUN93 - 0864	JUN93 - 0864	1
3 Test HP @ RPM	1176 - 1224 @ 1800	1113 - 1158 @ 1800	1113 - 1158 @ 1800	1113 - 1158 @ 1800	1135 - 1146 @ 1800	1113 - 1158 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	171 - 183	149 - 159	149 - 159	149 - 159	144 - 159	151 - 162	4
6 Fuel Rate Pound Per Hour	384 - 408	366 - 388	366 - 388	366 - 388	364 - 388	366 - 388	5
7 Intake Manifold Press. In./Hg	57 - 63	53 - 59	53 - 59	53 - 59	50 - 60	53 - 59	6
8 Torque Rise % - Curve	- C-4130	1 - C-3642	1 - C-3642	1 - C-3642	1 - C-3642	1 - C-3642	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1910 - 1930	1910 - 1930	1910 - 1930	1910 - 1930	1940 - 1960	1920 - 1940	10
12 VS/Sec. Gov. Setting-RPM					1840 - 1860		11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	2200 @ 40	2100 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI					2100 @ 40		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI					2100 @ 40		17
19 Min. VS/Sec. Gov. Check-RPM @ PSI					1980 @ 40		18
20 Throttle Leakage-cc - pph	75 -	75 - 8	75 - 8	75 - 8	110 - 12	110 - 12	19
21 Throttle Travel-Auto., VS, Lev		28, -	28, -	28, -	28, -		20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	177 @ 1800	154 @ 1800	154 @ 1800	154 @ 1800	152 @ 1800	157 @ 1800	24
26 Calibration Flow	740	650	650	650	740	650	25
27 Check Point (1) PSI @ RPM	135 - 141 @ 1500	125 - 131 @ 1500	125 - 131 @ 1500	125 - 131 @ 1500	125 - 131 @ 1500	126 - 132 @ 1500	26
28 Check Point (1) Flow	640	590	590	590	680	590	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	32
34 Idle Plunger Code - Part No.	27 - 141632	30 - 141633	30 - 141633	30 - 141633	25 - 141631	27 - 141632	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3001156 - .000	153236 - .000	153236 - .000	153236 - .000	153236 - .000	153236 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height		138790 - .020 -	138790 - .020 -	138790 - .020 -	138790 - .020 -	138790 - .020 -	40
42 VS Gov. Max. Spring - Ref. Shims					109686 - .000		41
43 VS Gov. Idle Spring					138810		42
44 VS Gov. Weights					163826		43
45 VS Gov. Plunger					3018640		44
46 VS Gov. Sleeve					3014693		45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-G-GS-GC2	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279593. FUEL PRESSURE AT RAIL TO BE 160-169 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B717.
- (2) USE WITH CUMMINS N.C EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279586. FUEL PRESSURE AT RAIL TO BE 153-155 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B718.
- (3) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279580. FUEL PRESSURE AT RAIL TO BE 153-155 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B719.
- (4) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 153-155 PSI. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279593. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B720.
- (5) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075666. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. *
- (6) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279593. FUEL PRESSURE AT RAIL TO BE 153-155 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B721.

1 Pump Code	B630-A	B631-A	B632-A	B633-B	B634-A	B635-A	
2 Date - Control Parts List	JUN93 - 0898	JUN93 - 0898	JUN93 - 0898	JUN93 - 0898	JUN93 - 0898	JUN92 - 0968	2
3 Test HP @ RPM	980 - 1020 @ 1800	980 - 1020 @ 1800	980 - 1020 @ 1800	980 - 1020 @ 1800	980 - 1020 @ 1800	1960 - 2040 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	178 - 191	178 - 191	178 - 191	174 - 186	181 - 194		5
6 Fuel Rate Pound Per Hour	326 - 346	326 - 346	326 - 346	322 - 344	326 - 346		6
7 Intake Manifold Press. In./Hg	47 - 51	47 - 51	47 - 51	46 - 51	47 - 51		7
8 Torque Rise % - Curve	3 - C-3641	3 - C-3641	3 - C-3641	3 - C-3641	3 - C-3641		8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1930	1920 - 1940	1910 - 1930	1910 - 1930	1910 - 1930		11
12 VS/Sec. Gov. Setting-RPM				1820 - 1840			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40	2100 @ 40		2100 @ 40		14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2100 @ 40			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2100 @ 40			19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12		20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -		21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600		22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600		23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	184 @ 1800	184 @ 1800	184 @ 1800	177 @ 1800	187 @ 1800		25
26 Calibration Flow	600	600	600	620	600		26
27 Check Point (1) PSI @ RPM	143 - 149 @ 1500	143 - 149 @ 1500	143 - 149 @ 1500	137 - 143 @ 1500	146 - 152 @ 1500		27
28 Check Point (1) Flow	540	540	540	550	540		28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	800 - 143848	800 - 143848	800 - 143848	800 - 143848	800 - 143848		33
34 Idle Plunger Code - Part No.	25 - 141631	25 - 141631	25 - 141631	30 - 141633	25 - 141631	25 - 141631	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001155 - .000	3001155 - .000	3001155 - .000	3001156 - .000	3001155 - .000	3001158 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	1.250	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138769 - .000	138769 - .000	138769 - .000		138769 - .000	138769 - .000	41
42 VS Gov. Max. Spring - Ref. Shims				109686 - .000		109686 - .000	42
43 VS Gov. Idle Spring				70778		70778	43
44 VS Gov. Weights				163826		163826	44
45 VS Gov. Plunger				3018640		3018640	45
46 VS Gov. Sleeve				3014693		3014693	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency						1992 CONS	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT38-G/GS/GC	KT38-G/GS/GC	KT38-G/GS/GC	KT38-G/GS/GC	KT38-G/GS/GC	KT1A50-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67.

NOTES

- (1) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279586. FUEL PRESSURE AT RAIL TO BE 167-180 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B722.
- (2) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279580. FUEL PRESSURE AT RAIL TO BE 167-180 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B723.
- (3) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 167-180 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE FUEL PUMP P.N. 3279593. SUPERSEDED BY B724.
- (4) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279592. FUEL PRESSURE AT RAIL TO BE 167-180 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS.
- (5) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279593. FUEL PRESSURE AT RAIL TO BE 167-180 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B725. SERVICE ONLY.
- (6) USE FUEL PUMP P.N. 3279570. FUEL PRESSURE AT RAIL TO BE 154-167 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH R.D.F. INJECTORS. THIS CODE OBSOLETE. SEE B804.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B636-B - B641-B

1 Pump Code	B636-B	B637-C	B638-B	B639-B	B640-A	B641-B	1
2 Date - Control Parts List	0CT91 - 0816	NOV91 - 0816	SEP92 - 0873	SEP92 - 0873	DEC91 - 0870	SEP92 - 0870	2
3 Test HP @ RPM	1764 - 1836 @ 2100	1790 - 1810 @ 1900	1764 - 1836 @ 2000	1700 - 1769 @ 1900	1568 - 1633 @ 2100	1568 - 1633 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	193 - 213		196 - 210	183 - 197		168 - 186	5
6 Fuel Rate Pound Per Hour	631 - 670		631 - 670	602 - 639		538 - 582	6
7 Intake Manifold Press. In./Hg	74 - 82		74 - 82	72 - 80		58 - 64	7
8 Torque Rise % - Curve	15 - P-4388		4 - P-4105	3 - P-4105		10 - C-4152	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2220 - 2240		2120 - 2140	2020 - 2040		2195 - 2215	11
12 VS/Sec. Gov. Setting-RPM	2120 - 2140		2020 - 2040	1920 - 1940		2120 - 2140	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 40		2200 @ 40	2300 @ 40		2300 @ 40	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 40		2200 @ 40	2300 @ 40		2300 @ 40	19
20 Throttle Leakage-cc - pph			110 - 12	110 - 12		110 - 12	20
21 Throttle Travel-Auto., VS, Lev	19, -		28, -	28, -		28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 700		10 @ 725	10 @ 725		10 @ 725	22
23 Idle Speed cc @ RPM-Auto.	550 @ 700		550 @ 725	550 @ 725		550 @ 725	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	191 @ 2100		203 @ 2000	190 @ 1900		177 @ 2100	25
26 Calibration Flow	1180		1180	1120		1030	26
27 Check Point (1) PSI @ RPM	129 - 135 @ 1500		129 - 135 @ 1500	129 - 135 @ 1500		110 - 116 @ 1500	27
28 Check Point (1) Flow	990		960	960		820	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848		.780 - 143848	.800 - 143848		.800 - 143848	33
34 Idle Plunger Code - Part No.	25 - 141631	12 - 141626	22 - 141630	30 - 141633	45 - 138862	35 - 140922	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001157 - .000	3001155 - .000	3001160 - .000	3001160 - .000	3001158 - .000	3001159 - .000	37
38 Gear Pump Size In.	1.250	1.250	1.250	1.000	1.250	1.250	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138769 - .000 -	138769 - .000 -	109686 - .000	109686 - .000	142696 - .000 -	109686 - .000	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000					42
43 VS Gov. Idle Spring	70778	70778	70778	70778		70778	43
44 VS Gov. Weights	163826	163826	163826	163826		163826	44
45 VS Gov. Plunger	3018640	3018640	3018640	3018640		3018640	45
46 VS Gov. Sleeve	3014693	3014693	3014693	3014693		3014693	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.	3007694 -		3007694 -	3007694 -		179830 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 46		1600 - 45	1600 - 47		1600 - 40	53
54 AFC No Air Flow	590		560	650		460	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		1992 CONS	1992 CONS				61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-C-B*	KTA50-C-B*	KTA50-C	KTA50-C	KTA50-C-1600	KTA50-C-1600	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP P.N. 3279570. FUEL PRESSURE AT RAIL TO BE 182-195 PSI. USE WITH FUEL LINE CHECK VALVES. DUAL SPRING SINGLE SCREW PUMP. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. REPLACED BY 8805.
- (2) USE FUEL PUMP P.N. 3279570. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051072 OBSOLETE. SUPERCEDED BY 8806 DUAL SPRING SINGLE SCREW PUMP.
- (3) USE FUEL PUMP P.N. 3279570. FUEL PRESSURE AT RAIL TO BE 182-195 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071 DUAL SPRING SINGLE SCREW PUMP.
- (4) USE FUEL PUMP P.N. 3279570. FUEL PRESSURE AT RAIL TO BE 175-188 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051069. DUAL SPRING SINGLE SCREW PUMP. R.D.F. REPLACEMENT FOR B440. SERVICE ONLY.
- (5) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279571. USE WITH 1.25 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 157-169 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051069. THIS CODE OBSOLETE SEE 8807.
- (6) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279570. USE WITH 1.25 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 162-174 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. THIS CODE SUPERCEDED BY 8808. DUAL SPRING SINGLE SCREW PUMP.

1 Pump Code	B642-A	B643-A	B644-D	B645-B	B646-B	B647-A	1
2 Date - Control Parts List	SEP92 - 0870	SEP92 - 0870	JUL89 - 0861	JUN92 - 0869	DEC91 - 0869	JAN92 - 0869	2
3 Test HP @ RPM	1489 - 1551 @ 1900	1489 - 1551 @ 1900	1224 - 1275 @ 1800	1176 - 1224 @ 2100	1176 - 1224 @ 2100	1122 - 1168 @ 1900	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	148 - 159			163 - 181			5
6 Fuel Rate Pound Per Hour	511 - 542			410 - 437			6
7 Intake Manifold Press. In./Hg	56 - 61			52 - 57			7
8 Torque Rise % - Curve	4 - C-4152			10 - P-4153			8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2095 - 2115			2195 - 2215			11
12 VS/Sec. Gov. Setting-RPM	1920 - 1940			2120 - 2140			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 40			2300 @ 40			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 40			2300 @ 40			19
20 Throttle Leakage-cc - pph	110 - 12			110 - 12			20
21 Throttle Travel-Auto., VS, Lev	28 -			28 -			21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725			10 @ 700			22
23 Idle Speed cc @ RPM-Auto.	550 @ 725			550 @ 725			23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	155 @ 1900			172 @ 2100			25
26 Calibration Flow	950			750			26
27 Check Point (1) PSI @ RPM	111 - 117 @ 1500			113 - 119 @ 1500			27
28 Check Point (1) Flow	810			590			28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848			.800 - 143848			33
34 Idle Plunger Code - Part No.	42 - 140923	45 - 138862	35 - 140922	40 - 137370	42 - 140923	40 - 137370	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001158 - .000	3001158 - .000	143253 - .000	3001158 - .000	3001158 - .000	3001158 - .000	37
38 Gear Pump Size In.	1.250	1.250	1.250	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3009380	3009380	3010810	40
41 Torque Spring - Shims - Gage Height	142696 - .000 -	142696 - .000 -	138802 - .026 -	142697 - .000 -	142697 - .000 -	142697 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000		109686 - .000	109686 - .000		109686 - .000	42
43 VS Gov. Idle Spring	70778		70778	70778		70778	43
44 VS Gov. Weights	163826		163826	163826		163826	44
45 VS Gov. Plunger	3018640		3018640	3018640		3018640	45
46 VS Gov. Sleeve	3014693		3014693	3014693		3014693	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.	179830 -			179824 -			51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 40			1600 - 63			53
54 AFC No Air Flow	460			360			54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency						1992 CONS	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-C-1600	KTA50-C-1600	KTA50-M	KTA38-C-P-L-1200	KTA38-C-P-L-1200	KTA38-C-1200	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279570. USE WITH 1.25 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 142-154 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. REPLACED BY B809. DUAL SPRING SINGLE SCREW PUMP.
- (2) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279571. USE WITH 1.25 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 142-154 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. DUAL SPRING SINGLE SCREW PUMP. THIS CODE OBSOLETE. REPLACED BY B810.
- (3) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279574. FUEL PRESSURE AT RAIL TO BE 100-108 PSI. USE WITH WET EXHAUST MANIFOLDS. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P.N. 3046680 SUPERCEDED BY B693.
- (4) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279574. USE WITH 0.75 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 158-170 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. REPLACED BY B811.
- (5) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279575. FUEL PRESSURE AT RAIL TO BE 158-170 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. THIS CODE OBSOLETE. SEE B812.
- (6) USE FUEL PUMP 3279574. FUEL PRESSURE AT RAIL TO BE 141-152 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071. REPLACED BY B813.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B648-A - B653-A

1 Pump Code	B648-A	B649-C	B650-D	B651-A	B652-A	B653-A	1
2 Date - Control Parts List	JUN93 - 0869	JUN93 - 0869	OCT91 - 0869	JUN93 - 0869	JUN93 - 0869	JUN93 - 0865	2
3 Test HP @ RPM	1122 - 1168 @ 1900	1028 - 1070 @ 2100	1028 - 1070 @ 2100	1029 - 1071 @ 1900	1029 - 1071 @ 1900	1024 - 1066 @ 1950	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	147 - 163	135 - 150		130 - 143	130 - 143	129 - 142	5
6 Fuel Rate Pound Per Hour	377 - 401	359 - 381		353 - 375	353 - 375	344 - 366	6
7 Intake Manifold Press. In./Hg	46 - 51	43 - 47		41 - 45	41 - 45	41 - 45	7
8 Torque Rise % - Curve	4 - P-4153	15 - C-4207		4 - C-4207	4 - C-4207	10 - C-3685	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1920 - 1940	2200 - 2220		2000 - 2020	1920 - 1940	2060 - 2080	11
12 VS/Sec. Gov. Setting-RPM		2130 - 2150		1920 - 1940		1970 - 1990	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 40				2200 @ 40		14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2385 @ 40		2200 @ 40		2300 @ 40	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2385 @ 40		2200 @ 40		2300 @ 40	19
20 Throttle Leakage-cc - gph	110 - 12	110 - 12		110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -		28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 750		10 @ 725	10 @ 725	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 725	550 @ 750		550 @ 725	550 @ 725	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	155 @ 1900	140 @ 2100		136 @ 1900	136 @ 1900	135 @ 1950	25
26 Calibration Flow	790	590		700	700	690	26
27 Check Point (1) PSI @ RPM	107 - 113 @ 1500	95 - 101 @ 1500		94 - 100 @ 1500	94 - 100 @ 1500	100 - 106 @ 1500	27
28 Check Point (1) Flow	650	480		580	580	600	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848		.750 - 143848	.750 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	42 - 140923	37 - 140418	37 - 140418	47 - 140924	50 - 140925	48 - 137370	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001158 - .000	3001156 - .000	3001156 - .000	3001157 - .000	3001157 - .000	3001155 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Stems - Gage Height	142697 - .000 -	138780 - .000 -	138781 - .000 -			138782 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims		109686 - .000		109686 - .000		109686 - .000	42
43 VS Gov. Idle Spring		70778		70778		70778	43
44 VS Gov. Weights		163826		163826		163826	44
45 VS Gov. Plunger		3018640		3018640		3018640	45
46 VS Gov. Sleeve		3014693		3014693		3014693	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - gph							50
51 AFC Spring - Gage Height-In.	179826 -	179824 -		179826 -	179826 -	179826 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 52	1600 - 63		1600 - 52	1600 - 52	1600 - 45	53
54 AFC No Air Flow	256	360		256	256	690	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency			1992 INDP				62
63 Certified Year/Agency			1992 CONS				63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA38-C-1200	KTA38-C-P-1050	KTA38-C-P-1050	KTA38-C-1050	KTA38-C-1050	KTA38-M	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP P.N. 3279575. FUEL PRESSURE AT RAIL TO BE 141-152 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071. DUAL SPRING SINGLE SCREW A.F.C. REPLACED BY B814.
- (2) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3279574. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 132-142 PSI. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P.N.3046680
- (3) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3279575. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 130-140 PSI. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P/N 3051071. USE SMALL BORE THROTTLE SHAFT P.N.3046680 DUAL SPRING SINGLE SCREW PUMP. REPLACED BY B816.
- (4) USE FUEL PUMP P.N. 3279574. FUEL PRESSURE AT RAIL TO BE 123-132 PSI. FOR USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071. REPLACED BY B817.
- (5) USE FUEL PUMP P.N. 3279575. FUEL PRESSURE AT RAIL TO BE 123-132 PSI. FOR USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071.
- (6) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279574. FUEL PRESSURE AT RAIL TO BE 122-131 PSI. USE WITH WET EXHAUST MANIFOLDS. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. REPLACED BY B819.

1 Pump Code	B654-B	B655-B	B656-B	B657-C	B658-C	B659-B	1
2 Date - Control Parts List	OCT92 - 0865	DEC91 - 0901	MAR93 - 0901	OCT92 - 0901	MAR93 - 0901	OCT92 - 0901	2
3 Test HP @ RPM	921 - 958 @ 1800	882 - 918 @ 2100	882 - 918 @ 2100	882 - 918 @ 1900	882 - 918 @ 2100	842 - 875 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	107 - 116			146 - 161	159 - 175		5
6 Fuel Rate Pound Per Hour	306 - 333			311 - 331	311 - 331		6
7 Intake Manifold Press. In./Hg	34 - 37			41 - 45	47 - 52		7
8 Torque Rise % - Curve	10 - C-3686			8 - C-4203	20 - C-4203		8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1920 - 1940			2040 - 2060	2130 - 2150		11
12 VS/Sec. Gov. Setting-RPM	1820 - 1840			1940 - 1960			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI					2380 @ 15		14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40			2100 @ 40			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40			2100 @ 40			19
20 Throttle Leakage-cc - pph	110 - 12			110 - 12	110 - 12		20
21 Throttle Travel-Auto., VS, Lev	28 -			28 -	28 -		21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600			10 @ 725	10 @ 725		22
23 Idle Speed cc @ RPM-Auto.	550 @ 600			550 @ 725	550 @ 725		23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	110 @ 1800			153 @ 1900	167 @ 2100		25
26 Calibration Flow	560			630	630		26
27 Check Point (1) PSI @ RPM	95 - 101 @ 1500			112 - 118 @ 1500	112 - 118 @ 1500		27
28 Check Point (1) Flow	525			550	550		28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848			.800 - 143848	.800 - 143848		33
34 Idle Plunger Code - Part No.	25 - 141631	52 - 139618	52 - 139618	47 - 140924	30 - 141633	57 - 140926	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	3001158 - .000	3001158 - .000	3001156 - .000	143250 - .000	143247 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3009380	3009380	3009380	3010810	3009380	203350	40
41 Torque Spring - Shims - Gage Height	138802 - .040 -			142596 - .000 -	138769 - .020 -		41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000		109686 - .000			42
43 VS Gov. Idle Spring	70778	70778		70778			43
44 VS Gov. Weights	163826	163826		163826			44
45 VS Gov. Plunger	3016640	3016640		3016640			45
46 VS Gov. Sleeve	3014693	3014693		3014693			46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1600 -						49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.	179824 -			179826 -	179826 -		51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 40			1600 - 40	1600 - 40		53
54 AFC No Air Flow	350			500	500		54
55 ASA Valve							55
56 TMD Set with S7589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency		1992 CONS	1996 CONS			1992 CONS	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT38-M	KT38-C-900	KT38-C-900	KT38-C-900	KT38-C-P-900	KT38-C-900	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279574. USE WITH WET EXHAUST MANIFOLDS. FUEL PRESSURE AT RAIL TO BE 99-107 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P.N. 3046680
- (2) USE FUEL PUMP P.N. 3279574. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 152-163 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. DUAL SPRING SINGLE SCREW PUMP. REPLACED BY B820.
- (3) USE FUEL PUMP P.N. 3279575. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 152-163 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. DUAL SPRING SINGLE SCREW PUMP. THIS CODE OBSOLETE SEE B821.
- (4) USE FUEL PUMP P.N. 3279574. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 144-150 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. THIS CODE REPLACED BY B822.
- (5) USE FUEL PUMP P.N. 3279575. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 152-163 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P.N. 3046680
- (6) USE FUEL PUMP P.N. 3279575. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 144-155 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. DUAL SPRING SINGLE SCREW PUMP. THIS CODE OBSOLETE SEE B824.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B660-B - B665-A

1 Pump Code	B660-B	B661-C	B662-B	B663-B	B664-D	B665-A	1
2 Date - Control Parts List	OCT92 - 0901	OCT92 - 0855	FEB93 - 0869	MAR93 - 0898	OCT92 - 0809	OCT92 - 0869	2
3 Test HP @ RPM	882 - 918 @ 2100	784 - 816 @ 1800	1176 - 1224 @ 2100	808 - 842 @ 1500	906 - 944 @ 2100	1028 - 1070 @ 1900	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	159 - 175	119 - 131		141 - 155	165 - 183	129 - 139	5
6 Fuel Rate Pound Per Hour	311 - 331	260 - 291		289 - 306	322 - 342	340 - 362	6
7 Intake Manifold Press. In./Hg	47 - 52	28 - 31		36 - 40	50 - 55	43 - 48	7
8 Torque Rise % - Curve	20 - C-4203	10 - C-4124		- C-3641	30 - P-4414	6 - C-4207	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2195 - 2215	1920 - 1940		1560 - 1600	2120 - 2140	2020 - 2040	11
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	1820 - 1840					12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI				1650 @ 40	2300 @ 40	2185 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 40	2100 @ 40					18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 40	2100 @ 40					19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12		110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -		28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 600		10 @ 600	10 @ 725	10 @ 725	22
23 Idle Speed cc @ RPM-Auto.	550 @ 725	550 @ 600		550 @ 600	550 @ 725	550 @ 725	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	167 @ 2100	124 @ 1800		148 @ 1500	167 @ 2100	133 @ 1900	25
26 Calibration Flow	630	550		580	650	635	26
27 Check Point (1) PSI @ RPM	112 - 118 @ 1500	102 - 108 @ 1500			128 - 134 @ 1500	95 - 101 @ 1500	27
28 Check Point (1) Flow	550	505			565	540	28
29 Check Point (2) PSI @ RPM					113 - 119 @ 1300		29
30 Check Point (2) Flow					530		30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848		.800 - 143848	.800 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	35 - 140922	35 - 140922	42 - 140923	15 - 139894	57 - 140926	40 - 137370	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	3018767	144195	36
37 Auto. Gov. Spring - Ref. Shims	3000933 - .000	153238 - .000	3001158 - .000	3001146 - .000	143248 - .000	3001156 - .000	37
38 Gear Pump Size In.	.750	.750	.750	1.250	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	3002044	3033872	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3009380	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138790 - .000 -	138787 - .020 -	142697 - .000 -		142866 - .040 -	142697 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000					42
43 VS Gov. Idle Spring	70778	70778					43
44 VS Gov. Weights	163826	163826					44
45 VS Gov. Plunger	3018640	3018640					45
46 VS Gov. Sleeve	3014693	3014693					46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.	179824 -	179824 -			179822 -		51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 40	1600 - 60			1600 - 62		53
54 AFC No Air Flow	500	350			370		54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency					1992 CONS		62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT38-C-P-900	KT38-M	KTA38-C-1200	KT38-G-GS-GC	KT38-C-925	KTA38-C-1050	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP P.N. 3279574. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 152-163 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P.N. 3046680
- (2) USE FUEL PUMP P.N. 3279574. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 110-122 PSI. USE WITH WET EXHAUST MANIFOLDS. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P.N. 3046680 THIS CODE IS REPLACED BY 8741.
- (3) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279580. USE WITH 0.75 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 158-170 PSI. USE WITH R.D.F. INJECTORS. USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. THIS CODE OBSOLETE SEE 8735 SERVICE CODE.
- (4) USE WITH FUEL LINE CHECK VALVES ONLY. USE FUEL PUMP NUMBER 3075537. FUEL PRESSURE AT RAIL TO BE 137-147 PSI. USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. FUEL PUMP, EFC DEDICATED HOUSING. SPECIAL FOR CHINA SHOP ORDERS ONLY. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES 8481.
- (5) USE FUEL PUMP P.N. 3279575. USE 0.75 INCH FUEL GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 161-173 PSI. USE WITH R.D.F. INJECTORS. USE WITH FUEL LINE CHECK VALVES. USE BIAS SPRING P.N. 3051070. THIS CODE IS REPLACED BY 8826. DUAL SPRING SINGLE SCREW PUMP.
- (6) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3279580. USE 0.75 INCH FUEL GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 122-133 PSI. USE WITH R.D.F. INJECTORS. USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM.

1 Pump Code	B666-B	B667-C	B668-B	B669-D	B670-A	B671-B	1
2 Date - Control Parts List	MAR93 - 0859	MAR93 - 0901	FEB93 - 0901	MAR93 - 0872	JUN92 - 0863	MAR93 - 0863	2
3 Test HP @ RPM	1176 - 1224 @ 1900	647 - 673 @ 2000	882 - 918 @ 2100	1323 - 1377 @ 2100	1461 - 1520 @ 1800	1491 - 1505 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	123 - 136	101 - 111		189 - 209	149 - 160	137 - 152	5
6 Fuel Rate Pound Per Hour	392 - 419	229 - 243		483 - 514	503 - 531	489 - 520	6
7 Intake Manifold Press. in./Hg	49 - 55	26 - 29		71 - 78	50 - 55	47 - 55	7
8 Torque Rise % - Curve	5 - P-4423	15 - P-4075		15 - P-4104	4 - C-3849	4 - C-3849	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2040 - 2060	2140 - 2160		2195 - 2215	1910 - 1930	1910 - 1930	11
12 VS/Sec. Gov. Setting-RPM	1920 - 1940	2020 - 2040		2120 - 2140		1820 - 1840	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI					2100 @ 40		14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40	2200 @ 40		2300 @ 40		2100 @ 40	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40	2200 @ 40		2300 @ 40		2100 @ 40	19
20 Throttle Leakage-cc - pph ¹	110 - 12	110 - 12		110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -		28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 725		10 @ 725	10 @ 600	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 725	550 @ 725		550 @ 725	550 @ 600	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	129 @ 1900	96 @ 2000		199 @ 2100	148 @ 1800	147 @ 1800	25
26 Calibration Flow	730	520		800	890	955	26
27 Check Point (1) PSI @ RPM	93 - 99 @ 1500	68 - 74 @ 1500		125 - 131 @ 1500	124 - 130 @ 1500	126 - 132 @ 1500	27
28 Check Point (1) Flow	610	440		650	830	895	28
29 Check Point (2) PSI @ RPM	72 - 78 @ 1300						29
30 Check Point (2) Flow	540						30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143847	.800 - 143848		.800 - 143848	.800 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	40 - 137370	62 - 141636	40 - 137370	37 - 140418	22 - 141630	17 - 140417	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001155 - .000	3001156 - .000	3001156 - .000	3001157 - .000	143253 - .000	143253 - .000	37
38 Gear Pump Size In.	.070	.750	.750	1.000	1.250	1.250	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3009380	3010810	3009380	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	142666 - .040 -	138780 - .000 -	138780 - .040 -	109686 - .000	138791 - .040 -	138791 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000			109686 - .000	109686 - .000	42
43 VS Gov. Idle Spring	70778	70778		70778		138810	43
44 VS Gov. Weights	163826	163826		163826		163826	44
45 VS Gov. Plunger	3018640	3018640		3018640		3018640	45
46 VS Gov. Sleeve	3014693	3014693		3014693		3014693	46
47 AFC Barrel & Plunger Assembly							47
48 AFC in./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.	179826 -	179820 -		179830 -			51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 37	1600 - 61		1600 - 65			53
54 AFC No Air Flow	360	405		470			54
55 ASA Valve							55
56 TMD Set. with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT38-C-1200	KT38-L-900	KT38-C-900	KT38-C-1350	KT38-G/GS/GC1	KT38-G/GS/GC1	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279574. USE WITH 0.75 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 117-126 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. THIS CODE IS REPLACED BY 8827.
- (2) USE FUEL PUMP P.N. 3279574. FUEL PRESSURE AT RAIL TO BE 84-90 PSI. USE WITH FUEL LINE CHECK VALVES ONLY. USE BIAS SPRING P.N. 3051071. USE WITH R.D.F. INJECTORS. USE SMALL BORE THROTTLE SHAFT.
- (3) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3279580. FUEL PRESSURE AT RAIL TO BE 153-163 PSI. USE WITH R.D.F. INJECTORS. USE WITH CUMMINS' N.O. EFC GOVERNOR SYSTEM. THIS CODE OBSOLETE SEE B738 SERVICE CODE.
- (4) USE FUEL PUMP P.N. 3279572. FUEL PRESSURE AT RAIL TO BE 196-210 PSI. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH FUEL LINE C/VALVES ONLY. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070.
- (5) USE WITH W/W PSG GOVERNOR SYSTEM. USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 140-151 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE FUEL PUMP P.N. 3279589. SUPERSEDED BY 8707.
- (6) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 140-151 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE FUEL PUMP P.N. 3279588.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B672-A - B677-C

1 Pump Code	B672-A	B673-B	B674-A	B675-A	B676-B	B677-C	1
2 Date - Control Parts List	MAR93 - 0816	MAR93 - 0870	MAR93 - 0869	JUN92 - 0869	MAR93 - 0869	MAR93 - 0855	2
3 Test HP @ RPM	1471 - 1529 @ 1800	1264 - 1315 @ 1800	980 - 1020 @ 1800	1137 - 1184 @ 1950	882 - 918 @ 1800	686 - 714 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	143 - 153	121 - 134	117 - 130	149 - 164	102 - 113	101 - 108	5
6 Fuel Rate Pound Per Hour	500 - 531	425 - 452	333 - 353	399 - 425	302 - 320	249 - 262	6
7 Intake Manifold Press. In./Hg	61 - 68	43 - 47	42 - 46	46 - 51	34 - 38	25 - 27	7
8 Torque Rise % - Curve	1 - P-4105	7 - C-3513	3 - C-4207	5 - P-4153	3 - C-4207	10 - C-4125	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press. - PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1940 - 1960	1940 - 1960	1920 - 1940	2060 - 2080	1920 - 1940	1920 - 1940	11
12 VS/Sec. Gov. Setting-RPM		1820 - 1840	1820 - 1840	1970 - 1990	1820 - 1840	1820 - 1840	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40						14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2100 @ 40	2100 @ 40	2200 @ 40	2100 @ 40	2100 @ 40	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2100 @ 40	2100 @ 40	2200 @ 40	2100 @ 40	2100 @ 40	19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 725	10 @ 725	10 @ 725	10 @ 725	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 725	550 @ 725	550 @ 725	550 @ 725	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	148 @ 1800	119 @ 1800	123 @ 1800	156 @ 1950	110 @ 1800	107 @ 1800	25
26 Calibration Flow	910	800	600	770	600	490	26
27 Check Point (1) PSI @ RPM	108 - 114 @ 1500	94 - 100 @ 1500	98 - 104 @ 1500	109 - 115 @ 1500	85 - 91 @ 1500	85 - 91 @ 1500	27
28 Check Point (1) Flow	800	720	550	560	550	440	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	30 - 141633	32 - 141634	35 - 140922	40 - 137370	35 - 140922	45 - 138862	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	147295 - .000	143252 - .000	3000937 - .000	147296 - .000	3000936 - .000	153236 - .000	37
38 Gear Pump Size In.	1.250	1.250	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3009380	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height		138768 - .000 -	142699 - .000 -	142699 - .000 -	142697 - .000 -	138798 - .040 -	41
42 VS Gov. Max. Spring - Ref. Shims		109686 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	42
43 VS Gov. Idle Spring		70778	70778	70778	70778	70778	43
44 VS Gov. Weights		163826	163826	163826	163826	163826	44
45 VS Gov. Plunger		3018640	3018640	3018640	3018640	3018640	45
46 VS Gov. Sleeve		3014693	3014693	3014693	3014693	3014693	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.		179830 -	179824 -	179826 -	179824 -	179822 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI		1600 - 38	1600 - 58	1600 - 63	1600 - 52	1600 - 58	53
54 AFC No Air Flow		460	420	410	400	390	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-C	KTA50-C	KTA38-C-1050	KTA38-C	KTA38-C	KT38-M	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279576. FUEL PRESSURE AT RAIL TO BE 134-144 PSI. USE WITH R.D.F. INJECTORS. USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM.
- (2) USE FUEL PUMP P.N. 3279570. FUEL PRESSURE AT RAIL TO BE 115-123 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. THIS CODE IS REPLACED BY B830.
- (3) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279574. FUEL PRESSURE AT RAIL TO BE 110-118 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. USE SMALL BORE THROTTLE SHAFT P.N. 3046680.
- (4) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279574. FUEL PRESSURE AT RAIL TO BE 142-152 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071.
- (5) USE FUEL PUMP P.N. 3279574. FUEL PRESSURE AT RAIL TO BE 95-102 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. USE SMALL BORE THROTTLE SHAFT P.N. 3046680. THIS CODE REPLACED BY B833.
- (6) USE WITH FUEL LINE CHECK VALVES. USE WITH WET EXHAUST MANIFOLDS ONLY. USE FUEL PUMP P.N. 3279574. FUEL PRESSURE AT RAIL TO BE 92-99 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. USE SMALL BORE THROTTLE SHAFT P.N. 3046680. SERVICE ONLY REPLACED BY B740.

1 Pump Code	B678-A	B679-C	B680-A	B681-A	B682-A	B683-C	1
2 Date - Control Parts List	MAR93 - 0900	MAR93 - 0872	OCT92 - 0855	MAR93 - 0873	MAR93 - 0870	DEC92 - 0878	2
3 Test HP @ RPM	980 - 1020 @ 1800	1323 - 1377 @ 2100	661 - 688 @ 1800	1764 - 1836 @ 2000	1568 - 1633 @ 2100	1568 - 1631 @ 1900	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	176 - 189	189 - 209	98 - 105	196 - 210	164 - 176		5
6 Fuel Rate Pound Per Hour	346 - 368	476 - 507	223 - 236	631 - 670	538 - 582		6
7 Intake Manifold Press. In./Hg	46 - 50	67 - 74	22 - 25	74 - 82	58 - 64		7
8 Torque Rise % - Curve	3 - C-3641	15 - P-4104	10 - C-4125	4 - P-4105	10 - C-4152		8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1930	2120 - 2140	1920 - 1940	2120 - 2140	2195 - 2215		11
12 VS/Sec. Gov. Setting-RPM			1820 - 1840	2020 - 2040	2120 - 2140		12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2300 @ 40					14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2100 @ 40	2200 @ 40	2300 @ 40		18
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2100 @ 40	2200 @ 40	2300 @ 40		19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12		20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -		21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 725	10 @ 600	10 @ 725	10 @ 725		22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 725	550 @ 600	550 @ 725	550 @ 725		23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	183 @ 1800	199 @ 2100	107 @ 1800	203 @ 2000	185 @ 2100		25
26 Calibration Flow	610	800	500	1180	1020		26
27 Check Point (1) PSI @ RPM	143 - 149 @ 1500	125 - 131 @ 1500	88 - 94 @ 1500	132 - 138 @ 1500	113 - 119 @ 1500		27
28 Check Point (1) Flow	540	650	460	960	810		28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848		33
34 Idle Plunger Code - Part No.	30 - 141633	30 - 141633	20 - 141629	20 - 3015774	30 - 3015776	40 - 137370	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001156 - .000	3001158 - .000	153237 - .000	3000936 - .000	3000936 - .000	3001156 - .000	37
38 Gear Pump Size In.	.750	1.000	.750	1.250	1.250	1.250	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height		142696 - .000	138802 - .020		142865 - .000	142696 - .000	41
42 VS Gov. Max. Spring - Ref. Shims			109686 - .000	109686 - .000	109686 - .000	109686 - .000	42
43 VS Gov. Idle Spring			70778	70778	70778	70778	43
44 VS Gov. Weights			163826	163826	163826	163826	44
45 VS Gov. Plunger			3018640	3018640	3018640	3018640	45
46 VS Gov. Sleeve		3014693	3014693	3014693	3014693	3014693	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.		179832 -	179822 -	3007692 -	179824 -		51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI		1600 - 65	1600 - 70	1600 - 45	1600 - 40		53
54 AFC No Air Flow		420	400	560	460		54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency						1992 CONS	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT38-G/GS/GC	KTA38-C-1350	KT38-M	KTA50-C	KTA50-C-1600	KTA50-C-1600-8	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 167-180 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE FUEL PUMP P.N. 3279593. SUPERSEDED BY B726.
- (2) USE FUEL PUMP P.N. 3279573. FUEL PRESSURE AT RAIL TO BE 186-199 PSI. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH FUEL LINE C/VALVES ONLY. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. DUAL SPRING SINGLE SCREW CODE. THIS CODE SERVICE ONLY REPLACED BY B834.
- (3) USE WITH FUEL LINE CHECK VALVES. USE WITH WET EXHAUST MANIFOLDS ONLY. USE FUEL PUMP P.N. 3279574. FUEL PRESSURE AT RAIL 89-96 PSI USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070 USE SMALL BORE THROTTLE SHAFT P.N. 3046680
- (4) USE FUEL PUMP P.N. 3277914 FUEL PRESSURE AT RAIL TO BE 182-195 PSI USE WITH FUEL LINE CHECK VALVES ONLY USE WITH H.V.T. ONLY USE WITH R.D.F. INJECTORS ONLY USE WITH 1.25" PTG GEAR PUMP ONLY USE WITH DUAL SPRING AFC ONLY USE BIAS SPRING P.N. 3051072 NON PRODUCTION FIELD CONVERSION ONLY.
- (5) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3277914 (P.T.H.). USE WITH 1.25 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 156-168 PSI. USE WITH R.D.F. INJECTORS. USE WITH DUAL SPRING AFC ONLY USE BIAS SPRING P.N. 3051069
- (6) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P/N 3279570. USE WITH 1.25 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 116-126 PSI USE BIAS SPRING P.N. 3051069. THIS CODE OBSOLETE, SEE B835.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B684-B - B690-A

1 Pump Code	B684-B	B685-A	B686-A	B687-B	B688-A	B690-A	
2 Date - Control Parts List	DEC92 - 0865	DEC92 - 0863	DEC92 - 0861	FE893 - 0844	DEC92 - 0863	JUN92 - 0900	1
3 Test HP @ RPM	1024 - 1066 @ 1950	1461 - 1520 @ 1800	1097 - 1142 @ 1500	1028 - 1070 @ 1900	1461 - 1520 @ 1800	980 - 1020 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	124 - 137	143 - 153	95 - 101		143 - 153	174 - 186	4
6 Fuel Rate Pound Per Hour	346 - 368	481 - 509	364 - 388		481 - 509	346 - 368	5
7 Intake Manifold Press. In./Hg	41 - 45	50 - 55	27 - 30		50 - 55	38 - 42	6
8 Torque Rise % - Curve	5 - C-3742	4 - C-3849	- C-3848		4 - C-3849	3 - C-3641	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2060 - 2080	1910 - 1940	1600 - 1650		1910 - 1930	1910 - 1940	10
12 VS/Sec. Gov. Setting-RPM	1970 - 1990						11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2100 @ 40	1800 @ 40		2100 @ 40	2100 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2150 @ 40						17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2150 @ 40						18
20 Throttle Leakage-cc - pph	110 - 12						19
21 Throttle Travel-Auto., VS, Lev	28, -	110 - 12	110 - 12		110 - 12	75 - 8	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	28, -	28, -		28, -	28, -	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	10 @ 600	10 @ 600		10 @ 600	10 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc		550 @ 600	550 @ 600		550 @ 600	550 @ 600	23
25 Calibration PSI @ RPM	130 @ 1950	148 @ 1800	98 @ 1500		148 @ 1800	180 @ 1800	24
26 Calibration Flow	640	880	680		890	630	25
27 Check Point (1) PSI @ RPM	89 - 95 @ 1500	123 - 129 @ 1500			124 - 130 @ 1500	147 - 153 @ 1500	26
28 Check Point (1) Flow	530	810			830	570	27
29 Check Point (2) PSI @ RPM	81 - 87 @ 1400						28
30 Check Point (2) Flow	510						29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848		.800 - 143848	.800 - 143848	32
34 Idle Plunger Code - Part No.	52 - 139618	20 - 141629	40 - 137370	35 - 140922	17 - 140417	17 - 140417	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3001156 - .000	143253 - .000	153237 - .000		143253 - .000	153236 - .000	36
38 Gear Pump Size In.	.750	1.250	1.000		.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437		146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810		3010810	3010810	39
41 Torque Spring - Shims - Gage Height		138791 - .040 -		138784 - .000 -	138791 - .040 -	138769 - .000 -	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000						41
43 VS Gov. Idle Spring	70778						42
44 VS Gov. Weights	163826						43
45 VS Gov. Plunger	3018640						44
46 VS Gov. Sleeve	3014693						45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.	179824 -						50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 52						52
54 AFC No Air Flow	390						53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-M	KTA50-G/GS/GC1	KTA50-M	KTA38-C-1050	KTA50-G/GS/GC1	KT38-G/GS/GC	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE FUEL PUMP P.N. 3279574. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 119-125 PSI. USE WITH WET EXHAUST MANIFOLDS. USE BIAS SPRING P.N. 3051070 USE WITH CUMMINS REMOTE EFC GOVERNOR SYSTEM. THIS CODE IS REPLACED BY B836.
- (2) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279582. FUEL PRESSURE AT RAIL TO BE 134-145 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B708.
- (3) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279628 FUEL PRESSURE AT RAIL TO BE 90-98 PSI. USE WITH WET EXHAUST MANIFOLDS. USE WITH R.D.F. INJECTORS. FOR USE WITH CUMMINS N.C.E.F.C. GOVERNOR FOR CONSTANT SPEED APPLICATION ONLY.
- (4) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3279580. USE 0.75 INCH FUEL GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 90-100 KPA. USE WITH R.D.F. INJECTORS. USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE SMALL BORE THROTTLE SHAFT 3046680 THIS CODE OBSOLETE SEE B737 SERVICE CODE.
- (5) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279576. FUEL PRESSURE AT RAIL TO BE 140-151 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. SUPERSEDED BY B709.
- (6) USE FUEL PUMP P.N. 3279580 USE N.O.E.F.C. GOVERNOR SYSTEM FUEL PRESSURE AT RAIL 165-177 PSI USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE SMALL BORE THROTTLE SHAFT P.N. 3046680 SUPERSEDED BY B727.

1 Pump Code	B691-A	B692-A	B693-A	B694-A	B695-C	B696-C	1
2 Date - Control Parts List	MAR93 - 0872	OCT92 - 0968	MAR93 - 0861	OCT92 - 0869	JUN92 - 0846	MAR93 - 0846	2
3 Test HP @ RPM	1277 - 1331 @ 1900	1920 - 1999 @ 2000	1224 - 1275 @ 1800	832 - 867 @ 1800	1881 - 1957 @ 1800	1881 - 1957 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	170 - 188	178 - 191		93 - 102	204 - 226	204 - 226	5
6 Fuel Rate Pound Per Hour	448 - 476	655 - 694		326 - 346	646 - 686	646 - 686	6
7 Intake Manifold Press. In./Hg	68 - 75	75 - 83		47 - 51	81 - 91	81 - 91	7
8 Torque Rise % - Curve	7 - P-4104	6 - P-4471		3 - C-4207	9 - C-4344	9 - C-4344	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2040 - 2060	2100 - 2120		1930 - 1950	1910 - 1940	1910 - 1930	11
12 VS/Sec. Gov. Setting-RPM	1920 - 1940			1830 - 1850			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2300 @ 40			2100 @ 40	2200 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI					1980 @ 40		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 40			2100 @ 40			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 40			2100 @ 40			19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12		110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -		28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 725		10 @ 725	10 @ 600	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 725	550 @ 725		550 @ 725	550 @ 600	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	179 @ 1900	184 @ 2000		97 @ 1800	214 @ 1800	214 @ 1800	25
26 Calibration Flow	820	1150		550	1300	1080	26
27 Check Point (1) PSI @ RPM	130 - 136 @ 1500	129 - 135 @ 1500		75 - 81 @ 1500	171 - 177 @ 1500	171 - 177 @ 1500	27
28 Check Point (1) Flow	700	980		480	1150	980	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848		.800 - 143848	.800 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	32 - 141634	22 - 141630	35 - 140922	40 - 137370	10 - 141625	10 - 141625	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001156 - .000	3001156 - .000	143253 - .000	3000936 - .000	3001148 - .000	3001148 - .000	37
38 Gear Pump Size In.	1.000	1.250	.750	.750	1.250	1.250	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height		138769 - .000	138802 - .020	142697 - .010			41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000		109686 - .000	109686 - .000			42
43 VS Gov. Idle Spring	70778		70778	70778			43
44 VS Gov. Weights	163826		163826	163826			44
45 VS Gov. Plunger	3018640		3018640	3018640			45
46 VS Gov. Sleeve	3014693		3014693	3014693			46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.	179832 -			179822 -			51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 65			1600 - 53			53
54 AFC No Air Flow	470			390			54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTTA38-C-1350	KTTA-50-C	KTA50-M	KTA38-P	KTTA50-G-GS-GC	KTTA50-G-GS-GC	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP P.N. 3279572. FUEL PRESSURE AT RAIL TO BE 164-176 PSI USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH FUEL LINE C/VALVES ONLY. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070.
- (2) USE FUEL PUMP P.N. 3279576 FUEL PRESSURE AT RAIL TO BE 167-181 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH R.D.F. INJECTORS. FOR USE WITH CUMMINS N.O. E.F.C. GOVERNOR FOR FIELD TEST ONLY
- (3) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279574 DUAL SPRING SINGLE SCREW PUMP. USE WITH WET EXHAUST MANIFOLDS. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071 USE SMALL BORE THROTTLE SHAFT P.N. 3046680 SUPERCEDES B644 THIS CODE OBSOLETE. USE B633 SERVICE CODE FOR DUAL SCREW.
- (4) USE BIAS SPRING 3051070 USE FUEL PUMP P.N. 3279574 FUEL PRESSURE AT RAIL TO BE 89-94 PSI USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE SMALL BORE THROTTLE SHAFT P.N. 3046680 THIS CODE IS REPLACED BY B838.
- (5) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE WITH PUMP P.N. 3279627 FUEL PRESSURE AT RAIL TO BE 198 - 214. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS.
- (6) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279624. FUEL PRESSURE AT RAIL TO BE 198 - 214 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B697-C - B702-B

1 Pump Code	B697-C	B698-C	B699-C	B700-C	B701-B	B702-B	1
2 Date - Control Parts List	JUN92 - 0846	JUN92 - 0846	DEC92 - 0874	JAN93 - 0874	DEC92 - 0874	JUL92 - 0874	2
3 Test HP @ RPM	1735 - 1804 @ 1800	1735 - 1804 @ 1800	1621 - 1684 @ 1800	1621 - 1684 @ 1800	1621 - 1684 @ 1800	1621 - 1684 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	193 - 213	204 - 225	154 - 170	156 - 173	156 - 173	156 - 173	5
6 Fuel Rate Pound Per Hour	593 - 631	613 - 648	531 - 562	525 - 558	525 - 558	525 - 558	6
7 Intake Manifold Press. In./Hg	81 - 91	81 - 91	50 - 58	54 - 60	54 - 60	54 - 60	7
8 Torque Rise % - Curve	8 - C-4344	8 - C-4344	- C-4280-A	- C-4280-A	- C-4280	- C-4280	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1920 - 1940	1920 - 1940	1930 - 1950	1910 - 1930	1910 - 1930	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 40	2200 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI			1980 @ 40				15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28, -	40, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	203 @ 1800	214 @ 1800	164 @ 1800	164 @ 1800	164 @ 1800	164 @ 1800	25
26 Calibration Flow	1230	1250	920	920	920	920	26
27 Check Point (1) PSI @ RPM	164 - 170 @ 1500	182 - 188 @ 1500					27
28 Check Point (1) Flow	1115	1150					28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.780 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	10 - 141625	10 - 141625	25 - 141631	25 - 141630	25 - 141631	22 - 141630	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	153236 - .000	143253 - .000	3000936 - .000	3000936 - .000	3000937 - .000	3000937 - .000	37
38 Gear Pump Size In.	1.250	1.250	1.250	1.250	1.250	1.250	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138799 - .010 -	138790 - .020 -					41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-G-GS-GC	KTA50-G-GS-GC	KTA50-G-GS-GC2	KTA50-G-GS-GC2	KTA50-G-GS-GC2	KTA50-G-GS-GC2	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH W/W PSG GOVERNOR SYSTEM. USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279630. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 185-201 PSI. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B602
- (2) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279630. FUEL PRESSURE AT RAIL TO BE 195-216 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS.
- (3) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N.3075537. FUEL PRESSURE AT RAIL TO BE 160-172 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS.
- (4) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279624 FUEL PRESSURE AT RAIL TO BE 160-172 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. SERVICE ONLY.
- (5) USE WITH W/W PSG GOVERNOR SYSTEM. USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH FUEL PUMP P.N. 3279630 USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 160-172 PSI. USE WITH R.D.F. INJECTORS.
- (6) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N.3279630. FUEL PRESSURE AT RAIL TO BE 160-172 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. THIS CODE FOR SERVICE ONLY.

1 Pump Code	B703-E	B704-F	B705-G	B706-C	B707-D	B708-D	
2 Date - Control Parts List	DEC92 - 0862	JAN93 - 0862	DEC92 - 0862	DEC92 - 0862	DEC92 - 0863	DEC92 - 0863	1
3 Test HP @ RPM	1491 - 1505 @ 1800	1491 - 1505 @ 1800	1491 - 1505 @ 1800	1491 - 1505 @ 1800	1491 - 1505 @ 1800	1491 - 1505 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	137 - 152	137 - 152	137 - 152	137 - 152	137 - 152	137 - 152	4
6 Fuel Rate Pound Per Hour	489 - 520	489 - 520	489 - 520	489 - 520	489 - 520	489 - 520	5
7 Intake Manifold Press. In./Hg	47 - 55	47 - 55	47 - 55	47 - 55	47 - 55	47 - 55	6
8 Torque Rise % - Curve	4 - C-3849	4 - C-3849	4 - C-3849	4 - C-3849	4 - C-3849	4 - C-3849	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	1930 - 1950	1910 - 1930	1910 - 1930	1930 - 1950	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	2200 @ 40	2100 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI	1980 @ 40	1980 @ 40		1968 @ 40	1980 @ 40		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	144 @ 1800	144 @ 1800	144 @ 1800	147 @ 1800	147 @ 1800	147 @ 1800	24
26 Calibration Flow	920	920	920	930	930	930	25
27 Check Point (1) PSI @ RPM	128 - 134 @ 1500	129 - 134 @ 1500	129 - 135 @ 1500	130 - 136 @ 1500	130 - 136 @ 1500	130 - 136 @ 1500	26
28 Check Point (1) Flow	880	880	880	890	890	890	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.780 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	32
34 Idle Plunger Code - Part No.	12 - 141626	12 - 141626	12 - 141626	12 - 141626	12 - 141626	12 - 141626	33
35 Fuel Pump Housing	3279620						34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3001146 - .000	3001146 - .000	3001146 - .000	3001146 - .000	3001146 - .000	3001146 - .000	36
38 Gear Pump Size In.	1.250	1.250	1.250	1.250	1.250	1.250	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	3002055 - .040 - .640	3002055 - .040 -	3002055 - .040 -	3002055 - .040 - .640	3002055 - .040 -	3002055 - .040 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1997 GEN	1998 GEN					61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA50-G-GS-GC1	KTA50-G-GS-GC1	KTA50-G-GS-GC1	KTA50-G-GS-GC1	KTA50-G-GS-GC1	KTA50-G-GS-GC1	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075537. FUEL PRESSURE AT RAIL TO BE 131-144 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS.
- (2) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075662. FUEL PRESSURE AT RAIL TO BE 131-144 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. SERVICE ONLY.
- (3) USE WITH W/W PSG GOVERNOR SYSTEM. USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075661. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 131-144 PSI. USE WITH R.D.F. INJECTORS.
- (4) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279630 FUEL PRESSURE AT RAIL TO BE 140-151 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. THIS CODE FOR SERVICE ONLY.
- (5) USE WITH W/W PSG GOVERNOR SYSTEM. USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 130-145 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE FUEL PUMP P.N. 3279630.
- (6) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279627 FUEL PRESSURE AT RAIL 125-138 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B709-E - B714-D

1 Pump Code	B709-E	B710-C	B711-C	B712-D	B713-D	B714-D	1
2 Date - Control Parts List	JAN93 - 0863	JUL92 - 0876	JUL92 - 0876	JUL92 - 0876	JUL92 - 0876	JUL92 - 0864	2
3 Test HP @ RPM	1491 - 1505 @ 1800	1314 - 1367 @ 1800	1314 - 1367 @ 1800	1314 - 1367 @ 1800	1314 - 1367 @ 1800	1176 - 1224 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	137 - 152	170 - 188	170 - 188	170 - 188	170 - 188	158 - 175	5
6 Fuel Rate Pound Per Hour	489 - 520	445 - 472	445 - 472	445 - 472	445 - 472	384 - 408	6
7 Intake Manifold Press. In./Hg	47 - 55	62 - 68	62 - 68	62 - 68	62 - 68	53 - 63	7
8 Torque Rise % - Curve	4 - C-3849	5 - C-4230	5 - C-4230	5 - C-4230	5 - C-4230	- C-4130	8
9 Torque Peak - PSI @ RPM		1060 - @					9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	1920 - 1940	1910 - 1930	1910 - 1930	1910 - 1930	1910 - 1930	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	147 @ 1800	179 @ 1800	179 @ 1800	179 @ 1800	179 @ 1800	163 @ 1800	25
26 Calibration Flow	930	900	900	950	900	800	26
27 Check Point (1) PSI @ RPM	130 - 136 @ 1500	153 - 159 @ 1500	153 - 159 @ 1500	153 - 159 @ 1500	153 - 159 @ 1500	122 - 128 @ 1500	27
28 Check Point (1) Flow	890	850	850	850	850	700	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.780 - 143848	.780 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	12 - 141626	10 - 141625	10 - 141625	10 - 141625	10 - 141625	22 - 141630	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001148 - .000	143253 - .000	143253 - .000	143253 - .000	143253 - .000	3000936 - .000	37
38 Gear Pump Size In.	1.250	1.000	1.000	1.000	1.000	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	3002055 - .040 -	138791 - .020 -	138791 - .020 -	138791 - .020 -	138791 - .020 -		41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTAS0-G-GS-GC1	KTTA38-G-GS-GC	KTTA38-G-GS-GC	KTTA38-G-GS-GC	KTTA38-G-GS-GC	KTTA38-G-GS-GC2	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279624. FUEL PRESSURE AT RAIL TO BE 130-145 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. SERVICE ONLY.
- (2) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279628. FUEL PRESSURE AT RAIL TO BE 162-178 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS.
- (3) USE WITH CUMMINS N.O.E.F.C. GOV SYSTEM USE FUEL PUMP P.N. 3279625. FUEL PRESSURE AT RAIL TO BE 162-178 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS.
- (4) USE WITH W/W PSG GOVERNOR SYSTEM. USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279631. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 162-178 PSI. USE WITH R.D.F. INJECTORS.
- (5) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279631. FUEL PRESSURE AT RAIL TO BE 162-178 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS.
- (6) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279629. FUEL PRESSURE AT RAIL TO BE 147-162 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE IS NOW REPLACED BY B964.

1 Pump Code	B715-C	B716-D	B717-C	B718-F	B719-C	B720-D	
2 Date - Control Parts List	JUL92 - 0864	DEC92 - 0864	DEC92 - 0864	DEC92 - 0864	DEC92 - 0864	JUL92 - 0864	1
3 Test HP @ RPM	1176 - 1224 @ 1800	1176 - 1224 @ 1800	1176 - 1224 @ 1800	1135 - 1146 @ 1800	1113 - 1158 @ 1800	1113 - 1158 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	161 - 178	161 - 178	155 - 172	144 - 159	144 - 159	144 - 159	4
6 Fuel Rate Pound Per Hour	384 - 408	384 - 408	384 - 408	364 - 388	366 - 388	366 - 388	5
7 Intake Manifold Press. In./Hg	53 - 63	53 - 63	54 - 60	50 - 60	50 - 60	50 - 60	6
8 Torque Rise % - Curve	- C-4130	- C-4130	- C-4130	1 - C-3642	1 - C-3642	1 - C-3642	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1910 - 1930	1920 - 1930	1910 - 1930	1910 - 1940	1910 - 1930	1910 - 1930	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40	2100 @ 6	2100 @ 40	2100 @ 40	2100 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	163 @ 1800	163 @ 1800	163 @ 1800	152 @ 1800	152 @ 1800	152 @ 1800	24
26 Calibration Flow	800	750	800	770	770	770	25
27 Check Point (1) PSI @ RPM	122 - 128 @ 1500	122 - 128 @ 1500	122 - 128 @ 1500	123 - 129 @ 1500	123 - 129 @ 1500	123 - 129 @ 1500	26
28 Check Point (1) Flow	700	650	700	690	690	690	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	32
34 Idle Plunger Code - Part No.	25 - 141631	27 - 141632	25 - 141631	20 - 141629	20 - 141629	20 - 141629	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3000936 - .000	3000936 - .000	3000936 - .000	153237 - .000	153237 - .000	153237 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height				138790 - .010 -	138790 - .010 -	138790 - .010 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279626. FUEL PRESSURE AT RAIL TO BE 147-162 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE IS REPLACED BY B952.
- (2) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 147-162 PSI. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075665. USE WITH R.D.F. INJECTORS.
- (3) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279632. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 146-163 PSI.
- (4) USE WITH CUMMINS N.C EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279629. FUEL PRESSURE AT RAIL TO BE 136-150 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE IS NOW REPLACED BY B954.
- (5) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279626. FUEL PRESSURE AT RAIL TO BE 136-150 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE IS REPLACED BY B953.
- (6) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 136-150 PSI. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279632. USE WITH R.D.F. INJECTORS.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B721-C - B726-A

1 Pump Code	B721-C	B722-C	B723-B	B724-B	B725-B	B726-A	1
2 Date - Control Parts List	JUL92 - 0864	DEC92 - 0898	DEC92 - 0898	JAN88 - 0898	JUN92 - 0898	SEP92 - 0900	2
3 Test HP @ RPM	1113 - 1158 @ 1800	980 - 1020 @ 1800	980 - 1020 @ 1800	980 - 1020 @ 1800	980 - 1020 @ 1800	980 - 1020 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	144 - 159	170 - 183	170 - 183	170 - 183	180 - 193	176 - 189	5
6 Fuel Rate Pound Per Hour	366 - 388	326 - 346	326 - 346	326 - 346	326 - 346	346 - 368	6
7 Intake Manifold Press. In./Hg	50 - 60	47 - 51	47 - 51	47 - 51	47 - 51	46 - 50	7
8 Torque Rise % - Curve	1 - C-3642	3 - C-3641	3 - C-3641	3 - C-3641	3 - C-3641	3 - C-3641	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1930	1910 - 1930	1910 - 1930	1910 - 1930	1910 - 1930	1910 - 1930	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI	1968 @ 40						15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	75 -	75 - 8	110 - 12	20
21 Throttle Travel-Auto., VS, Levtr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	152 @ 1800	177 @ 1800	177 @ 1800	177 @ 1800	184 @ 1800	183 @ 1800	25
26 Calibration Flow	770	630	600	600	600	610	26
27 Check Point (1) PSI @ RPM	123 - 129 @ 1500	137 - 143 @ 1500	137 - 143 @ 1500	137 - 143 @ 1500	140 - 146 @ 1500	143 - 149 @ 1500	27
28 Check Point (1) Flow	690	550	530	530	530	540	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	20 - 141629	27 - 141632	27 - 141632	27 - 141632	27 - 141632	30 - 141633	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	153236 - .000	153236 - .000	153236 - .000	3001155 - .000	3001156 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138790 - .010 - .610						41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT38-G-GS-GC1	KT38-G-GS-GC	KT38-G/GS/GC	KT38-G/GS/GC	KT38-G/GS/GC	KT38-G-GS-GC	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279632. FUEL PRESSURE AT RAIL TO BE 136-150 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS.
- (2) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3077053. FUEL PRESSURE AT RAIL TO BE 167-180 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS.
- (3) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279626. FUEL PRESSURE AT RAIL TO BE 167-180 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS.
- (4) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 167-180 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE FUEL PUMP P.N. 3279632.
- (5) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279632 FUEL PRESSURE AT RAIL TO BE 167-180 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B634
- (6) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 167-180 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE FUEL PUMP P.N. 3279632.

1 Pump Code	B727-A	B728-B	B729-A	B730-A	B731-A	B732-C	
2 Date - Control Parts List	SEP92 - 0900	SEP92 - 0901	SEP91 - 0873	AUG92 - 0870	AUG92 - 0870	DEC92 - 0968	2
3 Test HP @ RPM	980 - 1020 @ 1800	862 - 897 @ 1800	1764 - 1836 @ 2000	1568 - 1633 @ 2100	1489 - 1551 @ 1900	1960 - 2040 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	174 - 186	140 - 154	196 - 210	171 - 183	148 - 159	160 - 176	5
6 Fuel Rate Pound Per Hour	346 - 368	300 - 320	631 - 670	538 - 582	511 - 542	646 - 688	6
7 Intake Manifold Press. In./Hg	38 - 42	40 - 44	74 - 82	58 - 64	56 - 61	71 - 79	7
8 Torque Rise % - Curve	3 - C-3841	5 - C-4203	4 - P-4105	10 - C-4152	4 - C-4152	7 - P-4471	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1940	1940 - 1960	2130 - 2150	2195 - 2215	2100 - 2120	2200 - 2220	11
12 VS/Sec. Gov. Setting-RPM		1840 - 1860	2030 - 2050	2120 - 2140	1930 - 1950		12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40					2450 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI						2198 @ 40	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2000 @ 40	2200 @ 40	2300 @ 40	2300 @ 40		18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2000 @ 40	2200 @ 40	2300 @ 40	2300 @ 40		19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 -	110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto. VS, Lev	28 -	28 -	19 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 725	10 @ 700	10 @ 725	10 @ 725	10 @ 700	22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 725	550 @ 700	550 @ 725	550 @ 725	550 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	180 @ 1800	147 @ 1800	203 @ 2000	177 @ 2100	155 @ 1900	168 @ 2100	25
26 Calibration Flow	630	630	1180	1030	950	1090	26
27 Check Point (1) PSI @ RPM	147 - 153 @ 1500	114 - 120 @ 1500	140 - 146 @ 1500	110 - 116 @ 1500	111 - 117 @ 1500	107 - 113 @ 1500	27
28 Check Point (1) Flow	570	560	980	820	810	890	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	17 - 140417	35 - 140922	20 - 3015774	40 - 3015778	40 - 3015778	27 - 141632	34
35 Fuel Pump Housing						3048259	35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	153236 - .000	3001155 - .000	3000936 - .000	3001156 - .000	3001155 - .000	143249 - .000	37
38 Gear Pump Size In.	.750	.750	1.250	1.250	1.250	1.250	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138769 - .000 -				142696 - .020 -	142696 - .000 - .650	41
42 VS Gov. Max. Spring - Ref. Shims		109686 - .000	109686 - .000	109686 - .000	109686 - .000		42
43 VS Gov. Idle Spring		70778	70778	70778	70778		43
44 VS Gov. Weights		163826	163826	163826	163826		44
45 VS Gov. Plunger		3018640	3018640	3018640	3018640		45
46 VS Gov. Sleeve		3014693	3014693	3014693	3014693		46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI			20 - 9.8	12 - 5.8	12 - 5.8		48
49 AFC RPM - PSI			1600 - 30	1600 - 97	1600 - 45		49
50 AFC Flow - pph			760	280	690		50
51 AFC Spring - Gage Height-In.		179826 -	3007694 -	179830 -	179830 -		51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI		1600 - 83	1600 - 45	1600 - 52	1600 - 40		53
54 AFC No Air Flow		450	560	810	480		54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency		9998 CONS				9998 CONS	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT38-G/GS/GC	KT38-C	KT1A-50-C	KT450-C-1600	KT450-C-1600	KT450-C-2000	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP P.N. 3279626. USE N.O.E.F.C.GOVERNOR SYSTEM FUEL PRESSURE AT RAIL 165-177 PSI USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE SMALL BORE THROTTLE SHAFT P.N. 3046680
- (2) USE FUEL PUMP P.N. 3279574. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 131-145 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. 880 BHP AT 1800 RPM. THIS CODE IS REPLACED BY B639.
- (3) USE FUEL PUMP P.N. 3277914 FUEL PRESSURE AT RAIL TO BE 182-195 PSI USE WITH FUEL LINE CHECK VALVES ONLY USE WITH H.V.T. ONLY USE WITH R.D.F. INJECTORS ONLY USE WITH 1.25" PTG GEAR PUMP ONLY USE WITH CLASS FIT AFC NON PRODUCTION FOR FIELD CONVERSION ONLY.
- (4) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3277914. USE WITH 1.25 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 162-174 PSI. USE WITH R.D.F. INJECTORS. USE WITH CLASS FIT AFC NON PRODUCTION FOR FIELD CONVERSION ONLY.
- (5) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3277914 (P.T.H.BODY). USE WITH 1.25 INCH PTG EX.COOLED GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 142-154 PSI. USE WITH R.D.F. INJECTORS P/N 3053124. USE WITH CLASS FIT A.F.C. PLUNGER & BARREL. NON PRODUCTION R.D.F. FIELD CONVERSION ONLY.
- (6) USE FUEL PUMP P.N.3075605. FUEL PRESSURE AT RAIL TO BE 154-167 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH R.D.F.INJECTORS P/N 3056495. FOR USE WITH E.F.C. N.O.GOVERNOR E.F.C./A.F.C.VERSION IS B050.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B733-Z - B738-B

1 Pump Code	B733-Z	B734-B	B735-B	B736-A	B737-F	B738-B	1
2 Date - Control Parts List	SEP87 - 0816	AUG92 - 0968	FEB93 - 0869	APR92 - 0869	FEB93 - 0844	MAY93 - 0901	2
3 Test HP @ RPM	1471 - 1529 @ 1800	1950 - 1971 @ 2000	1194 - 1206 @ 2100	1045 - 1055 @ 1900	1046 - 1055 @ 1900	895 - 905 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI		158 - 175	164 - 182	127 - 141	100 - 110	154 - 170	5
6 Fuel Rate Pound Per Hour		659 - 699	410 - 437	340 - 362	342 - 364	309 - 328	6
7 Intake Manifold Press. In./Hg		76 - 86	49 - 55	43 - 48	44 - 52	46 - 54	7
8 Torque Rise % - Curve		4 - P-4471	10 - P-4153	6 - C-4207	17 - P-4420	20 - C-4203	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM		2100 - 2120	2120 - 2140	2020 - 2040	2030 - 2050	2120 - 2140	10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2300 @ 40	2300 @ 40	2185 @ 15	2250 @ 40	2380 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI					2109 @ 40		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph		110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Levtr		28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.		10 @ 725	10 @ 725	10 @ 725	10 @ 725	10 @ 725	22
23 Idle Speed cc @ RPM-Auto.		550 @ 725	550 @ 725	550 @ 725	550 @ 725	550 @ 725	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM		168 @ 2000	173 @ 2100	133 @ 1900	107 @ 1900	167 @ 2100	25
26 Calibration Flow		1150	810	635	660	630	26
27 Check Point (1) PSI @ RPM		111 - 117 @ 1500	107 - 113 @ 1500	95 - 101 @ 1500	83 - 89 @ 1500	115 - 121 @ 1500	27
28 Check Point (1) Flow		950	650	540	580	540	28
29 Check Point (2) PSI @ RPM					74 - 80 @ 1300		29
30 Check Point (2) Flow					540		30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring		.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.780 - 143848	33
34 Idle Plunger Code - Part No.	30 - 141633	25 - 141631	42 - 140923	40 - 137370	35 - 140922	40 - 137370	34
35 Fuel Pump Housing					3048259		35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	147295 - .000	3001156 - .000	3001158 - .000	3001156 - .000	153237 - .000	3001156 - .000	37
38 Gear Pump Size In.	1.250	1.250	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3009380	3010810	3010810	3009380	40
41 Torque Spring - Shims - Gage Height		142696 - .000 -	142697 - .000 -	142697 - .000 -	3002049 - .000 - .650	138780 - .040 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		9998 CONS					61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-C	KTA50-C-1960	KTA38-C-1200	KTA38-C-1050	KTA38-C-1050	KT38-C-900	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279638 FUEL PRESSURE AT RAIL TO BE 134-144 PSI. USE WITH R.D.F. INJECTORS. USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE 1.25" EXT. COOLED GEAR PUMP
- (2) USE FUEL PUMP P.N. 3279638 FUEL PRESSURE AT RAIL TO BE 157-171 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH R.D.F. INJECTORS P/N 3056495. FOR USE WITH CUMMINS N.O. E.F.C. GOVERNOR E.F.C./A.F.C. VERSION IS B501.
- (3) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279640 USE WITH 0.75 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 158-170 PSI. USE WITH R.D.F. INJECTORS. USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. E.F.C./A.F.C. VERSION IS B504. SERVICE ONLY.
- (4) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3279640. USE 0.75 INCH FUEL GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 122-133 PSI. USE WITH R.D.F. INJECTORS. USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM.
- (5) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3075611. USE 0.75 INCH FUEL GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 89-98 PSI. USE WITH R.D.F. INJECTORS. USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. E.F.C./A.F.C. VERSION IS B507. SERVICE ONLY SEE BA93.
- (6) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3279640 FUEL PRESSURE AT RAIL TO BE 153-163 PSI. USE WITH R.D.F. INJECTORS. USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. E.F.C./A.F.C. PACER VERSION IS B509. SERVICE ONLY.

1 Pump Code	B739-D	B740-A	B741-B	B742-A	B743-A	B744-B	1
2 Date - Control Parts List	DEC92 - 0816	OCT92 - 0855	OCT92 - 0855	OCT92 - 0855	OCT92 - 0977	OCT92 - 0976	2
3 Test HP @ RPM	1492 - 1508 @ 1800	686 - 714 @ 1800	784 - 816 @ 1800	661 - 688 @ 1800	1224 - 1275 @ 1800	921 - 958 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	136 - 150			98 - 105		147 - 162	5
6 Fuel Rate Pound Per Hour	507 - 538			223 - 236		306 - 333	6
7 Intake Manifold Press. In./Hg	56 - 66			22 - 25		34 - 37	7
8 Torque Rise % - Curve	1 - P-4387			10 - C-4125		10 - C-3686	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950			1920 - 1940		1920 - 1940	11
12 VS/Sec. Gov. Setting-RPM				1820 - 1840		1820 - 1840	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 40						14
15 Min. Auto. Gov. Check-RPM @ PSI	2000 @ 40						15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2100 @ 40		2100 @ 40	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2100 @ 40		2100 @ 40	19
20 Throttle Leakage-cc - pph	110 - 12			110 - 12		110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28 -			28 -		28 -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725			10 @ 600		10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 725			550 @ 600		550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	145 @ 1800			107 @ 1800		155 @ 1800	25
26 Calibration Flow	920			500		565	26
27 Check Point (1) PSI @ RPM	105 - 111 @ 1500			88 - 94 @ 1500		137 - 143 @ 1500	27
28 Check Point (1) Flow	810			460		525	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.780 - 143848			.800 - 143848		.800 - 143848	33
34 Idle Plunger Code - Part No.	35 - 140922	47 - 140924	35 - 140922	20 - 141629	17 - 140417	17 - 140417	34
35 Fuel Pump Housing	3048259						35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	147295 - .000	153236 - .000	153237 - .000	153237 - .000	143253 - .000	143253 - .000	37
38 Gear Pump Size In.	1.250	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3009380	40
41 Torque Spring - Shims - Gage Height		138798 - .040 -	138787 - .020 -	138802 - .020 -	138791 - .030 -	138791 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims		109686 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	42
43 VS Gov. Idle Spring		70778	70778	70778	70778	70778	43
44 VS Gov. Weights		163826	163826	163826	163826	163826	44
45 VS Gov. Plunger		3018640	3018640	3018640	3018640	3018640	45
46 VS Gov. Sleeve		3014693	3014693	3014693	3014693	3014693	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.				179824 -		179822 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI				1600 - 65		1600 - 65	53
54 AFC No Air Flow				350		360	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1999 CONS	1992 MARI					62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTIA50-C-1500	KT38-M	KT38-M	KT38-M	KTA50-M	KTA38-M	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075605 FUEL PRESSURE AT RAIL TO BE 132-145 PSI. USE WITH R.D.F. INJECTORS. USE WITH E.F.C. GOVERNOR N.O.P/N 3063511. EFC/AFC PACER VERSION IS B511.
- (2) USE WITH FUEL LINE CHECK VALVES. USE WITH WET EXHAUST MANIFOLDS ONLY. USE FUEL PUMP P.N. 3279574. FUEL PRESSURE AT-RAIL TO BE 92-99 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. USE SMALL BORE THROTTLE SHAFT P.N.3046680 THIS CODE OBSOLETE SEE B840.
- (3) USE FUEL PUMP P.N. 3279574. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS P.N.3053126. FUEL PRESSURE AT-RAIL TO BE 110-122 PSI. USE WITH WET EXHAUST MANIFOLDS. USE BIAS SPRING P.N. 3051070 THIS CODE OBSOLETE SEE B841. USE SMALL BORE THROTTLE SHAFT P.N.3046680
- (4) USE WITH FUEL LINE CHECK VALVES. USE WITH WET EXHAUST MANIFOLDS ONLY. USE FUEL PUMP P.N. 3279574. FUEL PRESSURE AT RAIL 89-96 PSI USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N.3051070 USE SMALL BORE THROTTLE SHAFT P.N.3046680 THIS CODE SUPERSEDES B680.
- (5) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279574 FUEL PRESSURE AT RAIL TO BE 135-145 PSI USE WITH WET EXHAUST MANIFOLDS. FOR USE WITH R.D.F. INJECTORS P.N.3053126 USE BIAS SPRING P.N.3051071 USE SMALL BORE THROTTLE SHAFT P.N.3046680 SUPERSEDED BY B759
- (6) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279574. USE WITH WET EXHAUST MANIFOLDS. FUEL PRESSURE AT RAIL TO BE 99-107 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P.N.3046680 THIS CODE SUPERSEDES B654. SEE B842.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B745-C - B750-A

1 Pump Code	B745-C	B746-D	B747-A	B748-A	B749-D	B750-A	
2 Date - Control Parts List	FEB93 - 0844	JUN93 - 0889	MAR93 - 0809	MAY93 - 0900	MAY93 - 0816	MAY92 - 0870	1
3 Test HP @ RPM	1028 - 1070 @ 2100	824 - 832 @ 1200	906 - 944 @ 1900	980 - 1020 @ 1800	1790 - 1810 @ 1900	1323 - 1377 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI		95 - 105	155 - 168	170 - 183	175 - 193		4
6 Fuel Rate Pound Per Hour		258 - 273	309 - 331	326 - 346	615 - 653		5
7 Intake Manifold Press. In./Hg		48 - 58	47 - 51	39 - 43	69 - 79		6
8 Torque Rise % - Curve		- C-4369	18 - P-4414	3 - C-3641	5 - P-4387		7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM		1320 - 1340	1920 - 1940	1930 - 1950	2020 - 2040		10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		1500 @ 40	2300 @ 40	2100 @ 40	2250 @ 40		13
15 Min. Auto. Gov. Check-RPM @ PSI		1300 @ 40			2000 @ 40		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph		110 - 12	110 - 12	110 - 12	110 - 12		19
21 Throttle Travel-Auto., VS, Lev		28, -	28, -	28, -	28, -		20
22 Idle Speed PSI @ RPM-Auto.		10 @ 600	10 @ 725	10 @ 600	10 @ 725		21
23 Idle Speed cc @ RPM-Auto.		550 @ 600	550 @ 725	550 @ 600	550 @ 725		22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM		105 @ 1200	158 @ 1900	177 @ 1800	190 @ 1900		24
26 Calibration Flow		520	650	600	1150		25
27 Check Point (1) PSI @ RPM			112 - 118 @ 1300	137 - 143 @ 1500	135 - 141 @ 1500		26
28 Check Point (1) Flow			600	530	1000		27
29 Check Point (2) PSI @ RPM			76 - 82 @ 1000				28
30 Check Point (2) Flow			500				29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring		.780 - 143848	.800 - 143848	.800 - 143848	.790 - 143848		32
34 Idle Plunger Code - Part No.	42 - 140923	22 - 141630	45 - 138862	27 - 141632	15 - 139894	40 - 137370	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	3018767	144195	144195		35
37 Auto. Gov. Spring - Ref. Shims	143252 - .000	3004751 - .000	3001157 - .000	153236 - .000	3001156 - .000	3001155 - .000	36
38 Gear Pump Size In.	.750	1.250	.750	.750	1.250	1.000	37
39 Auto. Gov. Weights	146437	146437	3033872	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	3002052 - .020 -		138766 - .000 -			138782 - .000 -	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000					109686 - .000	41
43 VS Gov. Idle Spring	70778					138810	42
44 VS Gov. Weights	163826					163826	43
45 VS Gov. Plunger	3018640					3018640	44
46 VS Gov. Sleeve	3014693					3014693	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.			179824 -				50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI			1600 - 56				52
54 AFC No Air Flow			400				53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency			1987 GEN		1993 CONS		61
63 Certified Year/Agency			1987 CONS				62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-C-P-1050	KTA38-G-GS-GC2	KT38-C-925	KT38-G-GS-GC	KT38-G-GS-GC	KT38-G-GS-GC	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3279574. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 91-100 PSI. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071. SERVICE CODE IS B843.
- (2) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 92-101 PSI. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3075661. USE WITH R.D.F. INJECTORS. FIRST USED ON S.O. 96872
- (3) USE FUEL PUMP P.N. 3279575. USE 0.75 INCH FUEL GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 161-173 PSI. USE WITH R.D.F. INJECTORS. USE WITH FUEL LINE CHECK VALVES. USE BIAS SPRING P.N. 3051070. NARROW ENGINE THIS CODE IS SUPERCEDED BY B755 P.N. 3279676
- (4) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279629. FUEL PRESSURE AT RAIL TO BE 167-180 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FOR USE WITH WET MANIFOLDS THIS CODE IS REPLACED BY B955.
- (5) USE FUEL PUMP P.N. 3075605. FUEL PRESSURE AT RAIL TO BE 170-190 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. FOR USE WITH N.O. E.F.C. GOVERNOR. E.F.C./A.F.C. VERSION IS B514.
- (6) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279572 FIRST USED ON SO 79010 ENG NO 33113194. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051069. THIS CODE HAS BEEN REPLACED BY B888.

1 Pump Code	B751-A	B752-C	B753-B	B754-B	B755-B	B756-D	
2 Date - Control Parts List	MAY93 - 0889	JUN93 - 0872	MAY93 - 0844	NOV92 - 0844	MAR93 - 0809	MAR93 - 0866	1
3 Test HP @ RPM	807 - 814 @ 1200	1094 - 1106 @ 1800	1028 - 1070 @ 2100	1028 - 1070 @ 2100	906 - 944 @ 1900	1113 - 1158 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	95 - 105	129 - 142		98 - 108		141 - 155	4
6 Fuel Rate Pound Per Hour	256 - 273	373 - 397		342 - 366		356 - 388	5
7 Intake Manifold Press. In./Hg	53 - 59	51 - 57		47 - 51		42 - 50	6
8 Torque Rise % - Curve	- C-4368	5 - P-4104-C		18 - C-4207		1 - C-3642	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1310 - 1340	1920 - 1940		2120 - 2140		1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	1400 @ 40	2150 @ 40		2300 @ 40		2100 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI		2000 @ 40					14
16 AS Gov. Setting-PSI @ RPM							15
17 Low AS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12		110 - 12		110 - 12	19
21 Throttle Travel-Auto., VS, Lev		28 -		28 -		28 -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 725		10 @ 725		10 @ 600	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 725		550 @ 725		550 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	100 @ 1200	133 @ 1800		103 @ 2100		152 @ 1800	24
26 Calibration Flow	520	680		670		770	25
27 Check Point (1) PSI @ RPM		100 - 106 @ 1500		71 - 77 @ 1500		123 - 129 @ 1500	26
28 Check Point (1) Flow		590		555		690	27
29 Check Point (2) PSI @ RPM				60 - 66 @ 1300			28
30 Check Point (2) Flow				510			29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848		.800 - 143848		.800 - 143848	32
34 Idle Plunger Code - Part No.	15 - 139894	37 - 140418	42 - 140923	47 - 140924	37 - 140418	20 - 141629	33
35 Fuel Pump Housing		3048259					34
36 Auto. Idle Spring	144195	144195	144195	144195	3018767	144195	35
37 Auto. Gov. Spring - Ref. Shims	3004751 - .000	3000936 - .000	143253 - .000	3001155 - .000	3001157 - .000	153237 - .000	36
38 Gear Pump Size In.	.750	1.000	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	3033872	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height			3002050 - .000 -	138782 - .040 -	138768 - .000 -	138790 - .010 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve				3014693			45
47 AFC Barrel & Plunger Assembly							46
48 AFC in./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.				179824 -			50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI				1600 - 44			52
54 AFC No Air Flow				400			53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger		3063511					57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	9998 GEN	1997 CONS	1992 CONS	9998 CONS			61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-G-GS-GC2	KTA38-C-1100	KTA38-C-P-1050	KTA38-C-P-1050	KT38-C-925	KTA38-G-GS-GC1	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH AMBAC GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 91 - 105. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3279630 USE WITH R.D.F. INJECTORS. FIRST USED ON S.O.97012 THIS CODE SERVICE ONLY.
- (2) USE WITH CUMMINS N.O.E.F.C. GOV SYSTEM USE FUEL PUMP P.N.3075612. FUEL PRESSURE AT RAIL TO BE 122-127 USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FIRST USED ON S.O.97032. E.F.C./A.F.C.OPTION IS B512.
- (3) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N.3279575. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 86-95 PSI. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071. FIRST USED ON S.O.97016. DUAL SPRING SINGLE SCREW PUMP. OBSOLETE SEE B844(SERVICE CODE).
- (4) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N.3279575 FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 90 98 P.S.I. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P.N.3046680 THIS CODE IS REPLACED BY B854.
- (5) USE FUEL PUMP P.N.3279676 FUEL PRESSURE AT RAIL TO BE 142-157 PSI. USE WITH R.D.F. INJECTORS. USE WITH FUEL LINE CHECK VALVES. USE BIAS SPRING P.N. 3051070. DUAL SPRING SINGLE SCREW PUMP. SERVICE CODE REPLACEMENT IS B846. USE SMALL BORE THROTTLE SHAFT P.N.3046680. THIS CODE OBSOLETE.
- (6) USE WITH CUMMINS N.C EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N.3279629. FUEL PRESSURE AT RAIL TO 130-143 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FOR USE WITH WET MANIFOLDS. THIS CODE SERVICE ONLY SEE B956.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B757-C - B762-A

1 Pump Code	B757-C	B758-A	B759-A	B760-A	B761-E	B762-A	1
2 Date - Control Parts List	MAR93 - 0866	OCT92 - 0869	NOV91 - 0977	MAR93 - 0869	MAR93 - 1219	OCT91 - 0870	2
3 Test HP @ RPM	1176 - 1224 @ 1800	879 - 917 @ 2100	1224 - 1275 @ 1800	921 - 958 @ 1800	1850 - 1869 @ 1800	1225 - 1275 @ 1800	3
4 Governed Speed-RPM					1800		4
5 Engine Fuel PSI	161 - 178	110 - 122		105 - 116	172 - 190		5
6 Fuel Rate Pound Per Hour	384 - 408	309 - 331		306 - 333	582 - 617		6
7 Intake Manifold Press. In./Hg	53 - 63	41 - 42		37 - 41	58 - 67		7
8 Torque Rise % - Curve	- C-4130	20 - C-4207		2 - P-4153	7 - C-4568		8
9 Torque Peak - PSI @ RPM					1060 - 1128 @ 1500		9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1930	2120 - 2140		1910 - 1930	1960 - 1990		11
12 VS/Sec. Gov. Setting-RPM				1820 - 1840			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2385 @ 15			2100 @ 40		14
15 Min. Auto. Gov. Check-RPM @ PSI					1965 @ 40		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2100 @ 40			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2100 @ 40			19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12		110 - 12	110 - 12		20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -		28, -	28, -		21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 750		10 @ 725	10 @ 600		22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 750		550 @ 725	550 @ 600		23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	163 @ 1800	110 @ 2100		110 @ 1800	178 @ 1800		25
26 Calibration Flow	800	610		620	1150		26
27 Check Point (1) PSI @ RPM	122 - 128 @ 1500	76 - 82 @ 1500		85 - 91 @ 1500	153 - 159 @ 1500		27
28 Check Point (1) Flow	700	500		550	1075		28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848		.800 - 143848	.800 - 143848		33
34 Idle Plunger Code - Part No.	22 - 141630	25 - 141631	20 - 141629	27 - 141632	5 - 141623	40 - 137370	34
35 Fuel Pump Housing					3279620		35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3000936 - .000	3001155 - .000	143253 - .000	3000936 - .000	3001147 - .000	3000936 - .000	37
38 Gear Pump Size In.	.750	.750	1.000	.750	1.250	1.250	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height		138782 - .020 -	138791 - .020 -		138782 - .040 - .690		41
42 VS Gov. Max. Spring - Ref. Shims			109686 - .000	109686 - .000		109686 - .000	42
43 VS Gov. Idle Spring			70778	70778		70778	43
44 VS Gov. Weights			163826	163826		163826	44
45 VS Gov. Plunger			3018640	3018640		3018640	45
46 VS Gov. Sleeve			3014693	3014693		3014693	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.		179826 -		179822 -			51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI		1600 - 50		1600 - 50			53
54 AFC No Air Flow		400		400			54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency					1993 GEN		62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA38-G-GS-GC2	KTA38-C	KTA50-M	KTA38-P	KTA50-G3	KTA50-P	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279629. FUEL PRESSURE AT RAIL TO BE 160-169 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FIRST USED ON SO 94995. THIS CODE IS REPLACED BY B963.
- (2) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3279575. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 99-110 PSI. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051070 USE SMALL BORE THROTTLE SHAFT P.N.3046680 FIRST USED ON S.O.88198. THIS CODE IS REPLACED BY B847.
- (3) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3279572. FUEL PRESSURE AT RAIL TO BE 143-158 PSI. USE WITH WET EXHAUST MANIFOLDS. USE WITH R.D.F. INJECTORS P.N.3053126. USE BIAS SPRING P.N.3051071 THIS CODE OBSOLETE. SUPERSEDED BY B848.
- (4) USE BIAS SPRING 3051070 USE FUEL PUMP P.N.3279675. FUEL PRESSURE AT RAIL TO BE 97-107 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE SMALL BORE THROTTLE SHAFT P.N.3046680 THIS CODE IS REPLACED BY B849.
- (5) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM USE WITH PUMP P.N. 3279627. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. FUEL PRESSURE AT RAIL TO BE 157-174 PSI. THIS CODE FOR SERVICE ONLY.
- (6) USE FUEL PUMP P.N. 3279570. FUEL PRESSURE AT RAIL TO BE 99-111 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. DUAL SPRING SINGLE SCREW PUMP. THIS CODE OBSOLETE. REPLACED BY B850.

1 Pump Code	B763-A	B764-B	B765-A	B766-A	B767-B	B768-B	1
2 Date - Control Parts List	NOV92 - 0844	MAR93 - 0859	MAR93 - 0870	MAR93 - 0846	MAY93 - 0861	OCT92 - 0809	2
3 Test HP @ RPM	1028 - 1071 @ 1900	1143 - 1155 @ 1800	1566 - 1630 @ 2050	1672 - 1688 @ 1500	1377 - 1391 @ 1950	920 - 930 @ 1900	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	101 - 112	112 - 123	167 - 185	162 - 180	124 - 137	152 - 170	5
6 Fuel Rate Pound Per Hour	348 - 375	373 - 395	529 - 573	564 - 600	525 - 558	298 - 320	6
7 Intake Manifold Press. In./Hg	46 - 51	48 - 54	54 - 64	68 - 75	45 - 60	45 - 49	7
8 Torque Rise % - Curve	17 - P-4420	3 - P-4423	7 - C-4124	9 - C-4344	9 - M-6025	18 - C-4430-A	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2020 - 2040	1910 - 1930	2180 - 2200	1600 - 1640	2170 - 2200	1960 - 1980	11
12 VS/Sec. Gov. Setting-RPM	1920 - 1940		2080 - 2100		2070 - 2090		12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2100 @ 40		1650 @ 1		2200 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2200 @ 15		2250 @ 40		2100 @ 40		18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2200 @ 15		2250 @ 40		2100 @ 40		19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Levr	28, -		28, -	40, -		28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 600	10 @ 725	10 @ 600	10 @ 600	10 @ 725	22
23 Idle Speed cc @ RPM-Auto.	550 @ 725	550 @ 600	550 @ 725	550 @ 600	550 @ 600	550 @ 725	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	107 @ 1900	117 @ 1800	175 @ 2050	172 @ 1500	138 @ 1950	158 @ 1900	25
26 Calibration Flow	700	720	1020	980	920	700	26
27 Check Point (1) PSI @ RPM	74 - 80 @ 1300	91 - 97 @ 1500	110 - 116 @ 1500		103 - 109 @ 1500	106 - 112 @ 1300	27
28 Check Point (1) Flow	590	630	820		820	550	28
29 Check Point (2) PSI @ RPM	64 - 80 @ 1200	75 - 81 @ 1300				74 - 80 @ 1000	29
30 Check Point (2) Flow	550	565				476	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.780 - 143848	.800 - 143848	.780 - 143848	.780 - 143848	.800 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	35 - 140922	32 - 141634	35 - 140922	10 - 141625	37 - 140418	25 - 141631	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	3001155 - .000	3001159 - .000	3004753 - .000	143250 - .000	143252 - .000	37
38 Gear Pump Size In.	.750	.750	1.250	1.250	1.000	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138784 - .010 -	142696 - .010 -			138791 - .020 -	138781 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000		109686 - .000		109686 - .000		42
43 VS Gov. Idle Spring	70778		70778		138810		43
44 VS Gov. Weights	163826		163826		163826		44
45 VS Gov. Plunger	3018640		3018640		3018640		45
46 VS Gov. Sleeve	3014693		3014693		3014693		46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.	179822 -		179830 -				51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 41		1600 - 40				53
54 AFC No Air Flow	420		460				54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1992 CONS		1992 CONS				62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA38-C-1050	KTA38-C-1150	KTA50-C	KTA50-G-GS-GC	KTA50-M	KT38-C-925	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3279574. USE 0.75 INCH FUEL GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 90-100 KPA. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P.N. 3046680. THIS CODE REPLACED BY B851.
- (2) USE WITH N.O. E.F.C. GOVERNOR P/N 3052505. USE FUEL PUMP P.N. 3279640. FUEL PRESSURE AT RAIL TO BE 109-112 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. SERVICE ONLY.
- (3) USE FUEL PUMP P.N. 3279570. USE WITH R.D.F. INJECTORS. USE WITH 1.25 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 162-174 PSI. USE WITH CHECK VALVES. USE BIAS SPRING P.N. 3051069. CBS8894 FOR CHINA.
- (4) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE WITH PUMP P.N. 3279627. FUEL PRESSURE AT RAIL TO BE 154-174 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS.
- (5) FOR SWEDISH COASTGUARD ONLY. FOR USE WITH N.C. E.F.C. GOV 12V. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. WET EXHAUST MANIFOLDS.
- (6) USE FUEL PUMP P.N. 3279640. USE 0.75 INCH FUEL GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 142-157 PSI. USE WITH R.D.F. INJECTORS. USE WITH FUEL LINE CHECK VALVES. NARROW ENGINE. USE WITH N/O E.F.C. GOVERNOR P/N 3052505. THIS CODE REPLACED BY 8998. THIS CODE IS FOR SERVICE ONLY.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B769-B - B774-A

1 Pump Code	8769-B	8770-B	8771-A	8772-A	8773-A	8774-A	1
2 Date - Control Parts List	MAR93 - 0478	JAN93 - 0846	MAR93 - 0846	MAR93 - 0846	MAR93 - 0846	MAR93 - 0846	2
3 Test HP @ RPM	1249 - 1300 @ 1800	1735 - 1804 @ 1800	1881 - 1957 @ 1800	1881 - 1957 @ 1800	1804 - 1875 @ 1800	1735 - 1804 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	177 - 190	188 - 208	204 - 226	204 - 226	180 - 198	188 - 208	5
6 Fuel Rate Pound Per Hour	417 - 443	617 - 655	646 - 686	646 - 686	597 - 635	597 - 635	6
7 Intake Manifold Press. In./Hg	60 - 66	81 - 90	83 - 94	83 - 94	74 - 82	77 - 85	7
8 Torque Rise % - Curve	- C-4130	8 - C-4344	9 - C-4344	9 - C-4344	8 - C-4344	8 - C-4344	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2020 - 2040	1940 - 1960	1920 - 1940	1920 - 1940	1920 - 1940	1920 - 1940	11
12 VS/Sec. Gov. Setting-RPM	1920 - 1940	1840 - 1860					12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI			2100 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40					18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40					19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lever	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	180 @ 1800	205 @ 1800	214 @ 1800	214 @ 1800	194 @ 1800	194 @ 1800	25
26 Calibration Flow	850	1200	1080	1080	1160	1160	26
27 Check Point (1) PSI @ RPM	136 - 142 @ 1500	171 - 177 @ 1500	171 - 177 @ 1500	171 - 177 @ 1500	159 - 165 @ 1500	159 - 165 @ 1500	27
28 Check Point (1) Flow	740	1120	980	980	1040	1040	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.780 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	33
34 Idle Spring Code - Part No.	20 - 141629	20 - 141629	10 - 141625	10 - 141625	10 - 141625	10 - 141625	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	147295 - .000	143248 - .000	3001148 - .000	3001148 - .000	153236 - .000	153236 - .000	37
38 Gear Pump Size In.	1.000	1.250	1.250	1.250	1.250	1.250	38
39 Auto. Gov. Weights	146437	3033872	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height			138799 - .020 -		138799 - .020 -	138799 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000					42
43 VS Gov. Idle Spring	138810	138810					43
44 VS Gov. Weights	163826	163826					44
45 VS Gov. Plunger	3018640	3018640					45
46 VS Gov. Sleeve	3014693						46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1998 GEN						62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA38-G-GS-GC2	KTA50-G-GS-GC	KTA50-G-GS-GC	KTA50-G-GS-GC	KTA50-G-GS-GC	KTA50-G-GS-GC	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE LESS FUEL LINE CHECK VALVES ONLY. AUTO THROTTLE TO BE LOCKED OPEN. FUEL PRESSURE AT RAIL TO BE 165-177 PSI. SUPERCEDES CODE B417. FUEL PUMP, EFC DEDICATED HOUSING. FIRST USED ON S.O 97096.
- (2) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279588. FUEL PRESSURE AT RAIL TO BE 174-186 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS.
- (3) USE WITH N/O E.F.C. GOVERNOR P/N 3052505. USE FUEL PUMP P.N. 3279624. FUEL PRESSURE AT RAIL TO BE 198 - 214 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS.
- (4) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE WITH PUMP P.N. 3279627 FUEL PRESSURE AT RAIL TO BE 198 - 214. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS.
- (5) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279630. FUEL PRESSURE AT RAIL TO BE 174-186 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS.
- (6) USE WITH W/W PSG GOVERNOR SYSTEM. USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279630. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 185 197 PSI USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B602

1 Pump Code	B775-G	B776-D	B777-C	B778-C	B779-B	B780-D	
2 Date - Control Parts List	DEC92 - 0853	JAN93 - 0853	DEC92 - 0853	DEC92 - 0853	AUG92 - 0853	DEC92 - 0854	1
3 Test HP @ RPM	1491 - 1505 @ 1800	1491 - 1505 @ 1800	1491 - 1505 @ 1800	1323 - 1377 @ 1800	1491 - 1505 @ 1800	1491 - 1505 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	137 - 152	137 - 152	137 - 152	137 - 152	137 - 152	137 - 152	4
6 Fuel Rate Pound Per Hour	489 - 520	489 - 520	489 - 520	489 - 520	489 - 520	489 - 520	5
7 Intake Manifold Press. In./Hg	47 - 55	47 - 55	47 - 55	47 - 55	47 - 55	47 - 55	6
8 Torque Rise % - Curve	4 - C-3849	4 - C-3849	4 - C-3849	4 - C-3849	4 - C-3849	4 - C-3849	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1960 - 1990	1910 - 1930	1930 - 1950	1910 - 1930	1910 - 1930	1960 - 1980	10
12 VS/Sec. Gov. Setting-RPM	1860 - 1890					1860 - 1880	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2100 @ 40	2100 @ 40	2100 @ 40	2100 @ 40		13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40					2100 @ 40	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1900 @ 40					2100 @ 40	18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 600 - 550						23
25 Calibration PSI @ RPM	144 @ 1800	144 @ 1800	144 @ 1800	144 @ 1800	144 @ 1800	144 @ 1800	24
26 Calibration Flow	920	920	920	920	920	920	25
27 Check Point (1) PSI @ RPM	128 - 134 @ 1500	129 - 135 @ 1500	129 - 135 @ 1500	129 - 135 @ 1500	129 - 135 @ 1500	129 - 135 @ 1500	26
28 Check Point (1) Flow	880	880	880	880	880	880	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.780 - 143848	.800 - 143848	.780 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	32
34 Idle Plunger Code - Part No.	12 - 141626	12 - 141626	12 - 141626	12 - 141626	12 - 141626	12 - 141626	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3001146 - .000	3001146 - .000	3001146 - .000	3001146 - .000	3001146 - .000	3001146 - .000	36
38 Gear Pump Size In.	1.250	1.250	1.250	1.250	1.250	1.250	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	3002055 - .040 - .640	3002055 - .040 -	3002055 - .040 -	3002055 - .040 -	3002055 - .040 -	3002055 - .040 -	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000					109686 - .000	41
43 VS Gov. Idle Spring	138810					138810	42
44 VS Gov. Weights	163826					163826	43
45 VS Gov. Plunger	3018640					3018640	44
46 VS Gov. Sleeve	3014693					3014693	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1998 GEN			9998 GEN			61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA50-G-GS-GC1	KTA50-G-GS-GC1	KTA50-G-GS-GC1	KTA50-G-GS-GC1	KTA50-G-GS-GC1	KTA50-G-GS-GC1	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075614. FUEL PRESSURE AT RAIL TO BE 131-144 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. TWIN LEVERWD PUMP.
- (2) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075662. FUEL PRESSURE AT RAIL TO BE 131-144 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. SERVICE ONLY.
- (3) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N.3075537. FUEL PRESSURE AT RAIL TO BE 131-144 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS.
- (4) USE WITH W/W PSG GOVERNOR SYSTEM. USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE FUEL PUMP P.N.3075661. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 131-144 PSI. R.D.F. VERSION OF B126.
- (5) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279630 FUEL PRESSURE AT RAIL TO BE 140-151 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. THIS CODE FOR SERVICE ONLY.
- (6) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 140-151 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE FUEL PUMP P.N. 3279588.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B781-C - B787-A

1 Pump Code	B781-C	B782-B	B783-B	B784-A	B785-A	B787-A	
2 Date - Control Parts List	JAN93 - 0854	DEC92 - 0854	DEC92 - 0854	AUG92 - 0876	AUG92 - 0876	AUG92 - 0876	1
3 Test HP @ RPM	1491 - 1505 @ 1800	1491 - 1505 @ 1800	1491 - 1505 @ 1800	1314 - 1367 @ 1800	1314 - 1367 @ 1800	1314 - 1367 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	137 - 152	137 - 152	137 - 152	168 - 180	165 - 183	165 - 183	4
6 Fuel Rate Pound Per Hour	489 - 520	489 - 520	489 - 520	445 - 472	445 - 472	445 - 472	5
7 Intake Manifold Press. In./Hg	47 - 55	47 - 55	47 - 55	62 - 68	62 - 68	62 - 68	6
8 Torque Rise % - Curve	4 - C-3849	4 - C-3849	4 - C-3849	5 - C-4230	5 - C-4230	5 - C-4230	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1910 - 1930	1910 - 1940	1910 - 1930	1910 - 1930	1910 - 1930	1910 - 1930	10
12 VS/Sec. Gov. Setting-RPM				1820 - 1840			11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40	2100 @ 40		2100 @ 40	2100 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2100 @ 40			17
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2100 @ 40			18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	144 @ 1800	144 @ 1800	144 @ 1800	174 @ 1800	174 @ 1800	174 @ 1800	24
26 Calibration Flow	920	920	920	790	850	850	25
27 Check Point (1) PSI @ RPM	129 - 135 @ 1500	129 - 135 @ 1500	129 - 135 @ 1500	146 - 152 @ 1500	146 - 152 @ 1500	146 - 152 @ 1500	26
28 Check Point (1) Flow	880	880	880	730	800	800	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	32
34 Idle Plunger Code - Part No.	12 - 141626	12 - 141626	12 - 141626	12 - 141626	12 - 141626	12 - 141626	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3001146 - .000	3001146 - .000	3001146 - .000	143253 - .000	143253 - .000	143253 - .000	36
38 Gear Pump Size In.	1.250	1.250	1.250	1.000	1.000	1.000	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	3002055 - .040 -	3002055 - .040 -	3002055 - .040 -	138792 - .040 -	138791 - .020 -	138791 - .020 -	40
42 VS Gov. Max. Spring - Ref. Shims				109686 - .000			41
43 VS Gov. Idle Spring				70778			42
44 VS Gov. Weights				163826			43
45 VS Gov. Plunger				3018840			44
46 VS Gov. Sleeve				3014693			45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency					1998 GEN		61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA50-G-GS-GC1	KTA50-G-GS-GC1	KTA50-G-GS-GC1	KTTA38-G-GS-GC	KTTA38-G-GS-GC	KTTA38-G-GS-GC	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279624. FUEL PRESSURE AT RAIL TO BE 130-145 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. SERVICE ONLY.
- (2) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279627 FUEL PRESSURE AT RAIL 125-138 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS.
- (3) USE WITH W/W PSG GOVERNOR SYSTEM. USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 130-145 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE FUEL PUMP P.N. 3279630.
- (4) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM USE FUEL PUMP P.N. 3279590. FUEL PRESSURE AT RAIL TO BE 162-174 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS.
- (5) USE WITH CUMMINS N.O.E.F.C. GOV SYSTEM USE FUEL PUMP P.N. 3279625. FUEL PRESSURE AT RAIL TO BE 162-174 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS.
- (6) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279628. FUEL PRESSURE AT RAIL TO BE 162-174 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS.

1 Pump Code	B788-A	B789-A	B790-A	B791-A	B792-A	B793-A	
2 Date - Control Parts List	AUG92 - 0876	AUG92 - 0876	AUG92 - 0851	SEP90 - 0851	SEP90 - 0851	SEP90 - 0851	1
3 Test HP @ RPM	1314 - 1367 @ 1800	1314 - 1367 @ 1800	1176 - 1224 @ 1800	1176 - 1224 @ 1800	1176 - 1224 @ 1800	1176 - 1224 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	165 - 183	169 - 187		152 - 168	152 - 168	152 - 168	4
6 Fuel Rate Pound Per Hour	445 - 472	445 - 472		384 - 408	384 - 408	384 - 408	5
7 Intake Manifold Press. In./Hg	62 - 68	62 - 68		54 - 60	54 - 60	54 - 60	6
8 Torque Rise % - Curve	5 - C-4230	5 - C-4230		- C-4130	3 - C-4130	- C-4130	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1910 - 1930	1910 - 1930		1910 - 1930	1910 - 1930	1910 - 1930	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40		2100 @ 40	2100 @ 1	2100 @ 6	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12		75 -	75 -	75 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -			28, -		20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600		10 @ 600	@ 600	@ 600	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600		550 @ 600	550 @ 600	550 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	174 @ 1800	178 @ 1800		159 @ 1800	159 @ 1800	159 @ 1800	24
26 Calibration Flow	850	850		800	800	800	25
27 Check Point (1) PSI @ RPM	146 - 152 @ 1500	150 - 156 @ 1500		118 - 125 @ 1500	118 - 125 @ 1500	118 - 125 @ 1500	26
28 Check Point (1) Flow	800	800		700	700	700	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	800 - 143848	800 - 143848		800 - 143848	800 - 143848	800 - 143848	32
34 Idle Plunger Code - Part No.	12 - 139894	12 - 141626	25 - 141631	25 - 141631	25 - 141631	25 - 141631	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	143253 - .000	3000936 - .000	3000936 - .000	3000936 - .000	3000936 - .000	36
38 Gear Pump Size In.	1.000	1.000	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138791 - .020	138791 - .020					40
42 VS Gov. Max. Spring - Ref. Shims			109686 - .000				41
43 VS Gov. Idle Spring			70778				42
44 VS Gov. Weights			163826				43
45 VS Gov. Plunger			3018540				44
46 VS Gov. Sleeve			3014693				45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-G-GS-GC	KTA38-G-GS-GC	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH W/W PSG GOVERNOR SYSTEM. USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279631. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 162-174 PSI. USE WITH R.D.F. INJECTORS.
- (2) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279631. FUEL PRESSURE AT RAIL TO BE 162-174 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS.
- (3) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279592. FUEL PRESSURE AT RAIL TO BE 143-158 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. THIS CODE OBSOLETE SEE BA88.
- (4) USE WITH CUMMINS N.D. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279626. FUEL PRESSURE AT RAIL TO BE 143-158 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE IS REPLACED BY B966.
- (5) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM USE WITH FUEL PUMP P.N. 3279629 FUEL PRESSURE AT RAIL TO BE 143-157 PSI USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. THIS CODE IS REPLACED BY B957.
- (6) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279632. FUEL PRESSURE AT RAIL TO BE 143-158 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. THIS CODE IS NOW REPLACED BY B988.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B794-A - B799-A

1 Pump Code	B794-A	B795-A	B796-C	B797-A	B798-C	B799-A	1
2 Date - Control Parts List	SEP90 - 0851	JUN92 - 0852	DEC92 - 0851	OCT90 - 0851	SEP90 - 0851	JUN92 - 0851	2
3 Test HP @ RPM	1176 - 1224 @ 1800	1176 - 1224 @ 1800	1135 - 1145 @ 1800	1113 - 1158 @ 1800	1113 - 1158 @ 1800	1113 - 1158 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	152 - 158	149 - 164	141 - 155	146 - 162	144 - 159	141 - 155	5
6 Fuel Rate Pound Per Hour	384 - 408	384 - 408	366 - 388	366 - 388	366 - 388	366 - 388	6
7 Intake Manifold Press. In./Hg	54 - 60	46 - 50	50 - 60	53 - 59	53 - 59	53 - 59	7
8 Torque Rise % - Curve	- C-4130	- C-4130	7 - C-3642-C	7 - C-3642	1 - C-3642	1 - C-3642	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1930	1910 - 1930	1940 - 1960	1910 - 1930	1910 - 1940	1910 - 1930	11
12 VS/Sec. Gov. Setting-RPM			1840 - 1860				12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40		2100 @ 40	2100 @ 40	2100 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2100 @ 40				18
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2100 @ 40				19
20 Throttle Leakage-cc - pph	75 -	75 - 8	75 -	75 -	75 -	75 - 8	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -			28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	159 @ 1800	156 @ 1800	152 @ 1800	154 @ 1800	152 @ 1800	145 @ 1800	25
26 Calibration Flow	800	750	700	700	750	700	26
27 Check Point (1) PSI @ RPM	118 - 124 @ 1500	119 - 125 @ 1500	125 - 131 @ 1500	119 - 125 @ 1500	123 - 129 @ 1500	119 - 125 @ 1500	27
28 Check Point (1) Flow	700	670	640	620	670	620	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	25 - 141631	27 - 141632	25 - 141631	25 - 141631	20 - 141629	25 - 141631	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3000936 - .000	3001155 - .000	153236 - .000	153237 - .000	153237 - .000	153237 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height			138789 - .010 -	138790 - .020 -	138790 - .010 -	138790 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims			109686 - .000				42
43 VS Gov. Idle Spring			138810				43
44 VS Gov. Weights			163826				44
45 VS Gov. Plunger			3018640				45
46 VS Gov. Sleeve			3014693				46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 143-158 PSI. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279632. USE WITH R.D.F. INJECTORS. THIS CODE IS REPLACED BY B989.
- (2) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279629. FUEL PRESSURE AT RAIL TO BE 160-169 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FIRST USED ON SO 94995. THIS CODE IS REPLACED BY B958.
- (3) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279592. FUEL PRESSURE AT RAIL TO BE 130-143 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS.
- (4) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279626. FUEL PRESSURE AT RAIL TO BE 153-155 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE IS REPLACED BY B909.
- (5) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279629. FUEL PRESSURE AT RAIL TO BE 136-150 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE IS REPLACED BY B959.
- (6) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279632. FUEL PRESSURE AT RAIL TO BE 153-155 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. THIS CODE REPLACED BY B906.

1 Pump Code	B800-A	B801-A	B802-B	B803-A	B804-D	B805-G	
2 Date - Control Parts List	OCT92 - 0851	OCT92 - 0852	OCT92 - 0901	MAY93 - 0859	NOV92 - 0968	MAR93 - 0816	1
3 Test HP @ RPM	1113 - 1158 @ 1800	1113 - 1158 @ 1800	895 - 905 @ 1900	1176 - 1224 @ 1900	1960 - 2040 @ 2100	1791 - 1810 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	141 - 155	141 - 155	146 - 161	165 - 182	168 - 184	181 - 200	4
6 Fuel Rate Pound Per Hour	366 - 388	366 - 388	311 - 331	542 - 575	653 - 694	635 - 672	5
7 Intake Manifold Press. In./Hg	45 - 49	45 - 49	41 - 45	50 - 56	79 - 87	73 - 81	6
8 Torque Rise % - Curve	3 - C-3642	1 - C-3642	8 - C-4203	- C-4344	7 - P-4471	15 - P-4388	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	1930 - 1950	2020 - 2040	2020 - 2040	2220 - 2240	2230 - 2250	10
12 VS/Sec. Gov. Setting-RPM					2120 - 2140	2130 - 2150	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40	2200 @ 40	2200 @ 40		2500 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI						2400 @ 40	14
16 AS Gov. Setting-PSI @ RPM							15
17 Low AS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI					2300 @ 40	2300 @ 40	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI					2300 @ 40	2200 @ 40	18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, 18 -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 725	10 @ 725	10 @ 725	10 @ 725	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 725	550 @ 725	550 @ 725	550 @ 725	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc						@ 725 - 550	23
25 Calibration PSI @ RPM	145 @ 1800	145 @ 1800	153 @ 1900	174 @ 1900	177 @ 2100	200 @ 2100	24
26 Calibration Flow	700	700	630	1050		1190	25
27 Check Point (1) PSI @ RPM	119 - 125 @ 1500	119 - 125 @ 1500	112 - 118 @ 1500		116 - 122 @ 1500	139 - 145 @ 1500	26
28 Check Point (1) Flow	620	620	530		990	925	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.780 - 143848	.780 - 143848	32
34 Idle Plunger Code - Part No.	25 - 141631	25 - 141631	40 - 137370	20 - 141629	25 - 141631	17 - 140417	33
35 Fuel Pump Housing						3279601	34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	153237 - .000	143251 - .000	3001156 - .000	3001157 - .000	3001156 - .000	36
38 Gear Pump Size In.	.750	.750	.750	1.250	1.250	1.250	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3009380	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138790 - .020 -	138790 - .020 -			142697 - .000 -	138791 - .040 - .640	40
42 VS Gov. Max. Spring - Ref. Shims					109686 - .000	109686 - .000	41
43 VS Gov. Idle Spring					138810	138810	42
44 VS Gov. Weights					163826	163826	43
45 VS Gov. Plunger					3018640	3018640	44
46 VS Gov. Sleeve			3014693		3014693	3014693	45
47 AFC Barrel & Plunger Assembly					3058944	3058944	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph					1600 - 23	1600 - 28	49
51 AFC Spring - Gage Height-In.					424	380	50
52 AFC Bias Spring					3007694 -	3007692 -	51
53 AFC No Air RPM - PSI						3051072	52
54 AFC No Air Flow					1600 - 39	1600 - 38	53
55 ASA Valve					567	480	54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency			9998 CONS		1998 CONS	1998 CONS	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KT38-C-900	KTTA-50-G	KTTA50-C-2000	KTTA50-C-"B"-1800	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM USE FUEL PUMP P/N 3279632. FUEL PRESSURE AT RAIL TO BE 132-146 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B627.
- (2) USE WITH CUMMINS N.C EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N.3279629. FUEL PRESSURE AT RAIL TO BE 132-146 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FOR USE WITH WET MANIFOLDS. THIS CODE IS REPLACED BY B960.
- (3) USE FUEL PUMP NUMBER 3279640 USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 137-152 PSI. USE WITH R.D.F. INJECTORS. 900 BHP AT 1900 RPM USE CUMMINS N.O EFC GOVERNOR SYSTEM. THIS CODE IS REPLACED BY 9A31.
- (4) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P/N 3279804. USE WITH 1.250 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 157-174 PSI. USE WITH R.D.F. INJECTORS. USE WITH 3052506 N/O HIGH FLOW E.F.C. SERVICE REQUEST FOR 'PINGSHOOT' ONLY
- (5) USE FUEL PUMP P.N. 3279711 USE BIAS SPRING P/N 3051072. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH R.D.F. INJECTORS P/N 3056495. THIS CODE REPLACES B635. V.S THROTTLE TRAVEL 22 DEG MAX.
- (6) USE FUEL PUMP P.N.3075618. FUEL PRESSURE AT RAIL TO BE 174-192 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE INJECTORS P.N.3058802. USE BIAS SPRING P.N. 3051072. AUTO THROTTLE IS LOCKED OPEN. FLOW IS FOR PH2.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B806-H - B811-G

1 Pump Code	B806-H	B807-E	B808-E	B809-E	B810-D	B811-G	1
2 Date - Control Parts List	APR93 - 0816	MAY93 - 0870	MAR93 - 0870	DEC92 - 0870	DEC92 - 0870	DEC92 - 0869	2
3 Test HP @ RPM	1790 - 1810 @ 1900	1592 - 1609 @ 2100	1592 - 1609 @ 2100	1512 - 1527 @ 1900	1512 - 1527 @ 1900	1194 - 1206 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	175 - 193	161 - 179	168 - 186	148 - 159	146 - 161	159 - 176	5
6 Fuel Rate Pound Per Hour	615 - 653	538 - 582	538 - 582	511 - 542	511 - 542	412 - 437	6
7 Intake Manifold Press. In./Hg	69 - 79	55 - 65	55 - 65	56 - 61	56 - 61	50 - 60	7
8 Torque Rise % - Curve	5 - P-4387	10 - C-4152	10 - C-4152	4 - C-4152	4 - C-4152	10 - P-4153	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2030 - 2050	2130 - 2150	2230 - 2250	2095 - 2115	1930 - 1950	2230 - 2250	11
12 VS/Sec. Gov. Setting-RPM	1930 - 1950		2130 - 2150	1930 - 1950		2130 - 2150	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 40	2350 @ 40		2200 @ 40	2200 @ 40	2450 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2250 @ 40		2100 @ 40		2300 @ 40	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40		2300 @ 40	2100 @ 40		2300 @ 40	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1990 @ 40		2300 @ 40	2000 @ 40		2170 @ 40	19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, 16 - 1	28, -	28, - 1	28, -	28, -	28, 18 - 1	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 725	10 @ 725	10 @ 725	10 @ 725	10 @ 725	22
23 Idle Speed cc @ RPM-Auto.	550 @ 725	550 @ 725	550 @ 725	550 @ 725	550 @ 725	550 @ 725	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 725 - 550	@ 725 - 550	@ 725 - 550	@ 725 - 550	@ 725 - 550	@ 725 - 550	24
25 Calibration PSI @ RPM	184 @ 1900	171 @ 2100	177 @ 2100	155 @ 1900	155 @ 1900	167 @ 2100	25
26 Calibration Flow	1090	990	1020	950	950	810	26
27 Check Point (1) PSI @ RPM	134 - 140 @ 1500	111 - 117 @ 1500	110 - 116 @ 1500	111 - 117 @ 1500	111 - 117 @ 1500	107 - 113 @ 1500	27
28 Check Point (1) Flow	935	800	810	810	810	650	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.780 - 143848	.780 - 143848	.760 - 143848	.760 - 143848	.800 - 143848	.780 - 143848	33
34 Idle Plunger Code - Part No.	22 - 141630	35 - 140922	35 - 140922	42 - 140923	45 - 138862	35 - 140922	34
35 Fuel Pump Housing						3279601	35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001155 - .110	3001156 - .080	3001159 - .000	3001158 - .000	3001158 - .000	3001158 - .080	37
38 Gear Pump Size In.	1.250	1.250	1.250	1.250	1.250	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3009380	40
41 Torque Spring - Shims - Gage Height		138786 - .020 - .620		142696 - .000 -	142696 - .000 -	142697 - .000 - .650	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000		109686 - .000	109686 - .000		109686 - .000	42
43 VS Gov. Idle Spring	138810		138810	138810		138810	43
44 VS Gov. Weights	163826		163826	163826		163826	44
45 VS Gov. Plunger	3018640		3018640	3018640		3018640	45
46 VS Gov. Sleeve	3014693		3014693	3014693		3014693	46
47 AFC Barrel & Plunger Assembly	3058944	3058944	3058944	3058944		3058944	47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1600 - 30	1600 - 20	1600 - 20	1600 - 20	1600 - 20	1600 - 30	49
50 AFC Flow - pph	420	320	320	320	320	290	50
51 AFC Spring - Gage Height-In.	3007694 -	179830 -	179830 -	179830 -	179830 -	179832 -	51
52 AFC Bias Spring	3051072	3051070				3051071	52
53 AFC No Air RPM - PSI	1600 - 40	1600 - 40	1600 - 38	1600 - 38	1600 - 40	1600 - 50	53
54 AFC No Air Flow	490	460	450	450	460	410	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency		2000 LOCO		1993 CONS			62
63 Certified Year/Agency		2000 INOP					63
64 Certified Year/Agency		2000 CONS					64
65 Certified Year/Agency							65
66 Engine Model	KTA50-C-B*-1800	KTA50-C-1600	KTA50-C-1600	KTA50-C-1520	KTA50-C-1520	KTA38-C-P-L-1200	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP P.N. 3075618. SET PUMP STAND AIR 27 PSI MINIMUM. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P/N 3051072. DUAL SPRING DUAL SCREW PUMP. SUPERCEEDS B637
- (2) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075625 USE WITH 1.25 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 157-169 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070.
- (3) USE FUEL P.N. 3075618. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 158-170 PSI. USE BIAS SPRING P.N. 3051070. V.S. THROTTLE TRAVEL 16-22 DEG.
- (4) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075618. USE WITH 1.25 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 142-154 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070.
- (5) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075625. USE WITH 1.25 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 142-154 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N.3051070.
- (6) USE WITH FUEL LINE CHECK VALVES. USE FUEL P.N. 3075527. USE BUSHED 0.75 INCH GEAR PUMP P/N 3034243. FUEL PRESSURE AT RAIL TO BE 150-167 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071.

1 Pump Code	B812-D	B813-C	B814-B	B815-B	B816-C	B817-C	
2 Date - Control Parts List	DEC92 - 0869	DEC92 - 0869	DEC92 - 0869	OCT92 - 0869	MAY92 - 0869	OCT92 - 0869	1
3 Test HP @ RPM	1194 - 1206 @ 2100	1139 - 1151 @ 1900	1139 - 1151 @ 1900	1028 - 1070 @ 2100	1028 - 1070 @ 2100	1046 - 1055 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	159 - 176	147 - 163	147 - 163	135 - 150	135 - 149	130 - 143	4
6 Fuel Rate Pound Per Hour	412 - 437	377 - 401	377 - 401	359 - 381	359 - 381	353 - 375	5
7 Intake Manifold Press. In./Hg	49 - 59	46 - 51	46 - 51	43 - 47	43 - 47	41 - 45	6
8 Torque Rise % - Curve	10 - P-4153	4 - P-4153	4 - P-4153	15 - C-4207	15 - C-4207	4 - C-4207	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	2095 - 2115	1920 - 1940	2200 - 2220	2120 - 2140	2000 - 2020	10
12 VS/Sec. Gov. Setting-RPM		1920 - 1940		2130 - 2150		1920 - 1940	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2300 @ 40		2200 @ 40		2385 @ 15		13
15 Min. Auto. Gov. Check-RPM @ PSI	2200 @ 40						14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2200 @ 40		2385 @ 40		2200 @ 40	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2200 @ 40		2385 @ 40		2200 @ 40	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 - 12	110 - 12	110 - 12	110 - 12	19
21 Throttle Travel-Auto. - VS, Lev	28 -	19 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 700	10 @ 700	10 @ 725	10 @ 725	10 @ 750	10 @ 725	21
23 Idle Speed cc @ RPM-Auto.	550 @ 700	550 @ 700	550 @ 725	550 @ 725	550 @ 750	550 @ 725	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc						@ 725 - 550	23
25 Calibration PSI @ RPM	167 @ 2100	155 @ 1900	155 @ 1900	140 @ 2100	140 @ 2100	136 @ 1900	24
26 Calibration Flow	810	790	790	620	680	700	25
27 Check Point (1) PSI @ RPM	107 - 113 @ 1500	107 - 113 @ 1500	107 - 113 @ 1500	95 - 101 @ 1500	93 - 99 @ 1500	94 - 100 @ 1500	26
28 Check Point (1) Flow	650	650	650	520	550	580	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.780 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.750 - 143848	32
34 Idle Plunger Code - Part No.	35 - 140922	40 - 137370	42 - 140923	37 - 140418	37 - 140418	47 - 140924	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3001158 - .000	3001158 - .000	3001158 - .000	3001158 - .000	3001158 - .000	3001157 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3009380	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	142697 - .000 - .650	142697 - .000 -	142697 - .000 -	138769 - .010 -	138761 - .000 -	109686 - .000	40
42 VS Gov. Max. Spring - Ref. Shims		109686 - .000	109686 - .000	109686 - .000			41
43 VS Gov. Idle Spring		138810	70778	70778		138810	42
44 VS Gov. Weights		163826	163826	163826		163826	43
45 VS Gov. Plunger		3018640		3018640		3018640	44
46 VS Gov. Sleeve		3014693		3014693		3014693	45
47 AFC Barrel & Plunger Assembly	3058944						46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1600 - 30	1600 - 62	1600 - 62	1600 - 62	1600 - 30	1600 - 48	48
50 AFC Flow - pph	290	405	405	355	247	240	49
51 AFC Spring - Gage Height-In.	179832 -	179826 -	179826 -	179824 -	179834 -	179824 -	50
52 AFC Bias Spring	3051071			3051069	3051069		51
53 AFC No Air RPM - PSI	1600 - 50	1600 - 63	1600 - 63	1600 - 63	1600 - 66	1600 - 52	52
54 AFC No Air Flow	410	410	410	360	395	256	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-C-P-L-1200	KTA38-C-1145	KTA38-C-1145	KTA38-C-P-1050	KTA38-C-P-1050	KTA38-C-1050	65
67 Notes	SEE NOTE (1).	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075624. FUEL PRESSURE AT RAIL TO BE 150-167 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071.
- (2) USE FUEL PUMP P.N. 3279715. FUEL PRESSURE AT RAIL TO BE 141-152 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071.
- (3) USE FUEL PUMP P.N. 3279716. FUEL PRESSURE AT RAIL TO BE 141-152 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071.
- (4) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3279717. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 132-142 PSI. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P/N 3046680. THIS CODE SUPERSEDED BY B862.
- (5) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N.3075627. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 130-140 PSI. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING 3051071. USE SMALL BORE THROTTLE SHAFT P/N 3046680. THIS CODE REPLACES B650. DUAL SPRING DUAL SCREW PUMP.
- (6) USE FUEL PUMP P.N. 3279715. FUEL PRESSURE AT RAIL TO BE 123-132 PSI. FOR USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B818-B - B823-B

1 Pump Code	B818-B	B819-F	B820-D	B821-C	B822-B	B823-B	1
2 Date - Control Parts List	OCT92 - 0869	MAR93 - 0865	DEC92 - 0901	APR93 - 0901	JUN93 - 0901	DEC92 - 0901	2
3 Test HP @ RPM	1046 - 1055 @ 1900	1024 - 1066 @ 1950	895 - 905 @ 2100	895 - 905 @ 2100	895 - 905 @ 1900	895 - 905 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	130 - 143	117 - 129	159 - 175	153 - 169	146 - 161	153 - 169	5
6 Fuel Rate Pound Per Hour	353 - 375	346 - 368	311 - 331	311 - 331	311 - 331	311 - 331	6
7 Intake Manifold Press. In./Hg	41 - 45	40 - 44	47 - 52	45 - 53	41 - 45	45 - 53	7
8 Torque Rise % - Curve	4 - C-4207	10 - M-6014	10 - C-3710	10 - C-3710	8 - C-4203	20 - C-4203	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1920 - 1940	2060 - 2080	2160 - 2200	2130 - 2150	2040 - 2060	2120 - 2140	11
12 VS/Sec. Gov. Setting-RPM		1970 - 1990	2120 - 2140		1940 - 1960		12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 40			2280 @ 40		2380 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI				2180 @ 40			15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2300 @ 40	2300 @ 40		2200 @ 40		18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2300 @ 40	2300 @ 40		2200 @ 40		19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 600	10 @ 725	10 @ 725	10 @ 725	10 @ 725	22
23 Idle Speed cc @ RPM-Auto.	550 @ 725	550 @ 600	550 @ 725	550 @ 725	550 @ 725	550 @ 725	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc			@ 725 - 550		@ 725 - 550		24
25 Calibration PSI @ RPM	136 @ 1900	125 @ 1950	167 @ 2100	167 @ 2100	153 @ 1900	167 @ 2100	25
26 Calibration Flow	700	670	710	630	630	630	26
27 Check Point (1) PSI @ RPM	94 - 100 @ 1500	94 - 100 @ 1500	103 - 109 @ 1500	103 - 109 @ 1500	112 - 118 @ 1500	112 - 118 @ 1500	27
28 Check Point (1) Flow	580	590	560	480	550	550	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.750 - 143848	.780 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.780 - 143848	33
34 Idle Plunger Code - Part No.	50 - 140925	37 - 140418	47 - 140924	47 - 140924	47 - 140924	30 - 141633	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001157 - .000	3001156 - .000	3001158 - .000	3001158 - .000	3001156 - .000	143250 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3009380	3009380	3010810	3009380	40
41 Torque Spring - Shims - Gage Height		138782 - .000 -			142696 - .000 -	138769 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims		109686 - .000	109686 - .000		109686 - .000		42
43 VS Gov. Idle Spring		70778	138810		138810		43
44 VS Gov. Weights		163826	163826		163826		44
45 VS Gov. Plunger		3018640	3018640		3018640		45
46 VS Gov. Sleeve		3014693	3014693		3014693		46
47 AFC Barrel & Plunger Assembly			3058944	3058944	3058944	3058944	47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1600 - 48	1600 - 37	1600 - 80	1600 - 50	1600 - 40	1600 - 44	49
50 AFC Flow - pph	240	350	420	300	530	545	50
51 AFC Spring - Gage Height-In.	179824 -	179828 -	179822 -	179822 -	179824 -	179822 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 52	1600 - 50	1600 - 87	1600 - 65	1600 - 45	1600 - 45	53
54 AFC No Air Flow	256	410	460	340	550	550	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency				1998 CONS			62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA38-C-1050	KTA38-M	KT38-C-900	KT38-C-900	KT38-C-900	KT38-C-P-900	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP P.N. 3279715. FUEL PRESSURE AT RAIL TO BE 123-132 PSI. FOR USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071.
- (2) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3075527. FUEL PRESSURE AT RAIL TO BE 113-124 P.S.I. USE WITH WET EXHAUST MANIFOLDS. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070.
- (3) USE FUEL PUMP P.N. 3075527. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 152-163 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071.
- (4) USE FUEL PUMP P.N. 3075624. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 152-163 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071.
- (5) USE FUEL PUMP P.N. 3279715. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 144-150 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. THIS CODE REPLACES 8657.
- (6) USE FUEL PUMP P.N. 3279718. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P/N 3046680.

1 Pump Code	B824-A	B825-D	B826-G	B827-D	B828-C	B829-D	1
2 Date - Control Parts List	OCT92 - 0901	JUN93 - 0901	DEC92 - 0809	AUG92 - 0859	DEC92 - 0901	DEC92 - 0872	2
3 Test HP @ RPM	855 - 865 @ 2100	895 - 905 @ 2100	920 - 930 @ 2100	1194 - 1206 @ 1900	647 - 673 @ 2000	1343 - 1357 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	151 - 167	154 - 170		123 - 136	101 - 111	183 - 202	5
6 Fuel Rate Pound Per Hour	295 - 313	315 - 337		392 - 419	229 - 243	483 - 514	6
7 Intake Manifold Press. in./Hg	45 - 50	46 - 54		49 - 55	26 - 29	61 - 71	7
8 Torque Rise % - Curve	13 - C-3710	20 - C-4203		5 - P-4423	15 - P-4075	15 - P-4104	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2120 - 2140	2200 - 2230		2040 - 2060	2140 - 2160	2200 - 2220	11
12 VS/Sec. Gov. Setting-RPM		2130 - 2150		1920 - 1940	2020 - 2040	2130 - 2150	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2300 @ 40	2450 @ 40				2400 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI		2300 @ 40				2300 @ 40	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2300 @ 40		2200 @ 40	2200 @ 40	2300 @ 40	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2200 @ 40		2200 @ 40	2200 @ 40	2200 @ 40	19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12		110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -		28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 725		10 @ 725	10 @ 725	10 @ 725	22
23 Idle Speed cc @ RPM-Auto.	550 @ 725	550 @ 725		550 @ 725	550 @ 725	550 @ 725	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 725 - 550			@ 725 - 550	@ 725 - 550	24
25 Calibration PSI @ RPM	158 @ 2100	167 @ 2100		129 @ 1900	102 @ 2000	199 @ 2100	25
26 Calibration Flow	600	630		780	500	800	26
27 Check Point (1) PSI @ RPM	105 - 111 @ 1500	112 - 118 @ 1500		96 - 103 @ 1500	67 - 73 @ 1500	125 - 131 @ 1500	27
28 Check Point (1) Flow	490	550		680	400	650	28
29 Check Point (2) PSI @ RPM				78 - 84 @ 1300			29
30 Check Point (2) Flow				610			30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.780 - 143848		.800 - 143848	.780 - 143848	.780 - 143848	33
34 Idle Plunger Code - Part No.	57 - 140926	35 - 140922	27 - 141632	40 - 137370	55 - 139619	37 - 140418	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	143247 - .000	143251 - .090	143252 - .090	3001156 - .000	3001157 - .000	3001157 - .090	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	203350	3010810	3010810	3009380	3010810	3010810	40
41 Torque Spring - Shims - Gage Height		138789 - .040 - .640	139585 - .000 - .640	142697 - .000 -	109686 - .000	109686 - .000	41
42 VS Gov. Max. Spring - Ref. Shims		109686 - .000		109686 - .000			42
43 VS Gov. Idle Spring		138810		138810	138810	138810	43
44 VS Gov. Weights		163826		163826	163826	163826	44
45 VS Gov. Plunger		212350		3018640	212350	3018640	45
46 VS Gov. Sleeve		3014693		3014693	3014693	3014693	46
47 AFC Barrel & Plunger Assembly	3058944	3058944	3058944	3058944	3058944	3058944	47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1600 - 40	1600 - 50		1600 - 35	1600 - 60	1600 - 30	49
50 AFC Flow - pph	500	300		350	370	330	50
51 AFC Spring - Gage Height-In.	179822 -	179824 -		179826 -	179820 -	179832 -	51
52 AFC Bias Spring		3051071	3051071				52
53 AFC No Air RPM - PSI	1600 - 45	1600 - 65		1600 - 46	1600 - 61	1600 - 65	53
54 AFC No Air Flow	550	340		400	375	470	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1998 CONS		1998 CONS				62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT38-C-860	KT38-C-P-1900	KT38-C-925	KT38-C-1200	KT38-L-900	KT38-C-1350	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP P.N. 3279716. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 144-155 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071.
- (2) USE WITH FUEL PUMP P.N. 3075630. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 152-163 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P/N 3046680. SERVICE ONLY REPLACED BY BA85.
- (3) USE FUEL PUMP P.N. 3075624. USE 0.75 INCH FUEL GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 161-173 PSI. USE WITH R.D.F. INJECTORS. USE WITH FUEL LINE CHECK VALVES. USE BIAS SPRING P.N. 3051070. THIS CODE REPLACES B664. THIS CODE OBSOLETE SEE BA68.
- (4) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279715. USE WITH 0.75 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 117-126 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. THIS CODE IS REPLACED BY B995.
- (5) USE FUEL PUMP P.N. 3075630. FUEL PRESSURE AT RAIL TO BE 84-90 PSI. USE WITH FUEL LINE CHECK VALVES ONLY. USE BIAS SPRING P.N. 3051071. USE WITH R.D.F. INJECTORS. USE SMALL BORE THROTTLE SHAFT P/N 3044680. FOR USE WITH DRY MANIFOLDS.
- (6) USE FUEL PUMP P.N. 3075626. FUEL PRESSURE AT RAIL TO BE 188-197 PSI USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH FUEL LINE C/VALVES ONLY. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B830-E - B835-I

1 Pump Code	B830-E	B831-D	B832-D	B833-F	B834-E	B835-I	1
2 Date - Control Parts List	DEC92 - 0870	JAN93 - 0869	SEP92 - 0869	FEB93 - 0869	DEC92 - 0872	APR93 - 0878	2
3 Test HP @ RPM	1284 - 1296 @ 1800	995 - 1005 @ 1800	1154 - 1166 @ 1950	895 - 905 @ 1800	1343 - 1357 @ 2100	1592 - 1609 @ 1900	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	113 - 125	113 - 125	149 - 164	99 - 110	183 - 202	126 - 140	5
6 Fuel Rate Pound Per Hour	412 - 437	328 - 348	399 - 425	302 - 320	476 - 507	518 - 549	6
7 Intake Manifold Press. In./Hg	39 - 47	37 - 45	46 - 51	31 - 39	61 - 71	54 - 64	7
8 Torque Rise % - Curve	7 - C-3513	3 - C-4207	5 - P-4153	3 - C-4207	15 - P-4104-B	4 - P-4355	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1940 - 1960	1920 - 1940	2060 - 2080	1920 - 1940	2120 - 2140	2030 - 2050	11
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	1820 - 1840	1970 - 1990	1820 - 1840		1930 - 1950	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI				2200 @ 40	2300 @ 40	2200 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI				1980 @ 40	2154 @ 40	2100 @ 40	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40	2200 @ 40	2100 @ 40		2100 @ 40	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40	2200 @ 40	1880 @ 40		2000 @ 40	19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28, 18 - 1	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 725	10 @ 725	10 @ 725	10 @ 725	10 @ 725	22
23 Idle Speed cc @ RPM-Auto.	500 @ 725	550 @ 725	500 @ 725	550 @ 725	550 @ 725	550 @ 725	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 725 - 550			@ 725 - 550		@ 725 - 550	24
25 Calibration PSI @ RPM	114 @ 1800	123 @ 1800	156 @ 1950	104 @ 1800	194 @ 2100	134 @ 1900	25
26 Calibration Flow	820	600	770	600	850	1000	26
27 Check Point (1) PSI @ RPM	93 - 99 @ 1500	98 - 104 @ 1500	109 - 115 @ 1500	78 - 84 @ 1500	120 - 126 @ 1500	98 - 104 @ 1500	27
28 Check Point (1) Flow	750	550	660	530	690	870	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.780 - 143848	.780 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.750 - 143848	33
34 Idle Plunger Code - Part No.	35 - 140922	35 - 140922	40 - 137370	37 - 140418	30 - 141633	32 - 141634	34
35 Fuel Pump Housing					3279603		35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	143252 - .000	3000937 - .000	147296 - .000	3000936 - .000	3001157 - .000	3001155 - .080	37
38 Gear Pump Size In.	1.000	.750	.750	.750	1.000	1.250	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3009380	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	142699 - .000 -	142699 - .020 -	142699 - .000 -	142697 - .010 -		138793 - .020 - .570	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109686 - .000	109686 - .000		109686 - .000	42
43 VS Gov. Idle Spring	138810	138810	138810	138810		138810	43
44 VS Gov. Weights	163826	163826	163826	163826		163826	44
45 VS Gov. Plunger	3018640	212350	3018640	212350		3018640	45
46 VS Gov. Sleeve	3014693	3014693	3014693	3014693	3014693	3014693	46
47 AFC Barrel & Plunger Assembly	3058944			3058944	3058944	3058944	47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1600 - 20	1600 - 40	1600 - 55	1600 - 30	1600 - 30	1600 - 19	49
50 AFC Flow - pph	320	350	390	320	320	360	50
51 AFC Spring - Gage Height-In.	179830 -	179824 -	179826 -	179826 -	179832 -	179830 - 1.600	51
52 AFC Bias Spring				3051071	3051070	3051070	52
53 AFC No Air RPM - PSI	1600 - 40	1600 - 50	1600 - 63	1600 - 45	1600 - 65	1600 - 28	53
54 AFC No Air Flow	460	380	410	360	500	470	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency		1998 CONS					62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-C-1290	KTA38-C-1000	KTA38-C-1160	KTA38-C-900	KTA38-C-1350	KTA50-C-1600	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP P.N.3075626. FUEL PRESSURE AT RAIL TO BE 115-123 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. THIS FUEL CODE REPLACES B673.
- (2) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075630. FUEL PRESSURE AT RAIL TO BE 110-118 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070 USE SMALL BORE THROTTLE SHAFT P/N 3046680. THIS CODE REPLACES B674.
- (3) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075527. FUEL PRESSURE AT RAIL TO BE 142-152 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071 THIS CODE REPLACES B675.
- (4) USE FUEL PUMP P.N. 3075630. FUEL PRESSURE AT RAIL TO BE 91- 100 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P/N 3046680. THIS CODE REPLACES B676.
- (5) USE FUEL PUMP P.N. 3075616. FUEL PRESSURE AT RAIL TO BE 186-199 PSI. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH FUEL LINE C/VALVES ONLY. USE BUSHED GEAR PUMP P/N 3034245. USE BIAS SPRING P.N. 3051070. THIS CODE REPLACES B679. DUAL SPRING DUAL SCREW PUMP.
- (6) USE FUEL PUMP P.N. 3075618. V.S.THROTTLE TRAVEL 22 DEG MAX. USE WITH R.D.F. H.V.T. INJECTORS USE BIAS SPRING P.N. 3051070.

1 Pump Code	B836-B	B837-F	B838-D	B839-C	B840-G	B841-I	
2 Date - Control Parts List	AUG92 - 0865	DEC92 - 0872	JUN93 - 0869	DEC92 - 0901	APR93 - 0975	FE893 - 0975	1
3 Test HP @ RPM	1024 - 1066 @ 1950	1303 - 1316 @ 1900	832 - 867 @ 1800	875 - 885 @ 1800	696 - 704 @ 1800	784 - 816 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	124 - 137	165 - 183	89 - 99	141 - 155	96 - 106	113 - 125	4
6 Fuel Rate Pound Per Hour	346 - 368	450 - 478	287 - 304	293 - 313	240 - 256	260 - 291	5
7 Intake Manifold Press. In./Hg	41 - 45	60 - 70	29 - 34	38 - 45	22 - 28	26 - 34	6
8 Torque Rise % - Curve	5 - M-6014	7 - P-4104	3 - C-4207	5 - C-4203	10 - C-4124	10 - M-6049	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2060 - 2080	2060 - 2080	1930 - 1950	1940 - 1960	1930 - 1950	1940 - 1960	10
12 VS/Sec. Gov. Setting-RPM	1970 - 1990	1940 - 1960	1830 - 1850	1840 - 1860	1830 - 1850	1840 - 1860	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2250 @ 40	2100 @ 40	2200 @ 40	2200 @ 40	2200 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI		2150 @ 40	1980 @ 40	1980 @ 40	2000 @ 40	2100 @ 40	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2200 @ 40	2100 @ 40	2000 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2200 @ 40	1980 @ 40	1880 @ 40	1880 @ 40	1900 @ 40	1900 @ 40	18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	19
21 Throttle Travel-Auto. - VS, Lev	28, -	28, 18 - 1	28, -	28, -	28, 18 -	28, 19 -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 725	10 @ 725	10 @ 725	10 @ 600	10 @ 600	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 725	550 @ 725	550 @ 725	550 @ 600	550 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 725 - 550	@ 725 - 550	@ 725 - 550	@ 600 - 550	@ 600 - 550	23
25 Calibration PSI @ RPM	130 @ 1950	179 @ 1900	97 @ 1800	148 @ 1800	107 @ 1800	118 @ 1800	24
26 Calibration Flow	640	840	560	630	510	525	25
27 Check Point (1) PSI @ RPM	89 - 95 @ 1500	130 - 136 @ 1500	75 - 81 @ 1500	115 - 121 @ 1500	88 - 94 @ 1500	101 - 107 @ 1500	26
28 Check Point (1) Flow	530	720	490	560	465	485	27
29 Check Point (2) PSI @ RPM	81 - 87 @ 1400						28
30 Check Point (2) Flow	510						29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.780 - 143848	.780 - 143848	.780 - 143848	.800 - 143848	.780 - 143848	.780 - 143854	32
34 Idle Plunger Code - Part No.	52 - 139618	22 - 141630	40 - 137370	35 - 140922	47 - 140924	30 - 141633	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3001156 - .000	3001157 - .080	3000936 - .000	3001155 - .000	153237 - .090	153237 - .090	36
38 Gear Pump Size In.	1.000	1.000	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height			142697 - .010 -		138799 - .040 - .590	138801 - .050 - .600	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	41
43 VS Gov. Idle Spring	138810	138810	138810	138810	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	3018640	3018640	212351	212351	212350	212350	44
46 VS Gov. Sleeve	3014693	3014693	3014693	3014693	3014693	3014693	45
47 AFC Barrel & Plunger Assembly		3058944	3058944	3058944	3058944	3058944	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI		1600 - 30	1600 - 30	1600 - 77	1600 - 37	1600 - 57	48
50 AFC Flow - pph		330	300	320	320	330	49
51 AFC Spring - Gage Height-In.		179832 -	179824 -	179824 -	179824 -	179824 -	50
52 AFC Bias Spring			3051070		3051070	3051071	51
53 AFC No Air RPM - PSI		1600 - 57	1600 - 41	1600 - 83	1600 - 58	1600 - 60	52
54 AFC No Air Flow		410	350	450	360	350	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve					1996 MARI	1998 MARI	60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-M	KT1A38-C-1310	KTA38-P	KT38-C-880	KT38-M	KT38-M	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE FUEL PUMP P.N. 3279709. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 119-125 PSI. USE WITH WET EXHAUST MANIFOLDS. USE WITH CUMMINS N.C.EFC GOVERNOR SYSTEM. FIRST USED ON S.O. 88755/6/7/8.
- (2) USE FUEL PUMP P.N. 3075626. FUEL PRESSURE AT RAIL TO BE 164-176 PSI. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH FUEL LINE C/VALVES ONLY. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. THIS CODE REPLACES B691.
- (3) USE BIAS SPRING 3051070. USE FUEL PUMP P.N. 3075630. FUEL PRESSURE AT RAIL TO BE 89-94 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE SMALL BORE THROTTLE SHAFT P.N. 3046680. THIS CODE REPLACES B694.
- (4) USE FUEL PUMP P.N. 3075527. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 133-147 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. 880 BHP AT 1800 RPM. THIS CODE REPLACES B728.
- (5) USE WITH FUEL LINE CHECK VALVES. USE WITH WET EXHAUST MANIFOLDS ONLY. USE PUMP NO 3075630. FUEL PRESSURE AT RAIL TO BE 88-97 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. USE SMALL BORE THROTTLE SHAFT P/N 3046680. THIS CODE REPLACES B740.
- (6) USE FUEL PUMP P.N. 3075630. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS P.N. 3053126. USE BUSHED GEAR PUMP P.N. 3034243. V.S. THROTTLE TRAVEL TO BE 16-22 DEG. USE BIAS SPRING P/N 3051071. THIS CODE REPLACES B741. USE SMALL BORE THROTTLE SHAFT P/N 3046680.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B842-H - B847-E

1 Pump Code	B842-H	B843-B	B844-H	B845-E	B846-D	B847-E	
2 Date - Control Parts List	FEB93 - 0976	OCT92 - 0844	FEB93 - 0844	FEB93 - 0844	DEC92 - 0809	DEC92 - 0869	1
3 Test HP @ RPM	921 - 958 @ 1800	1046 - 1055 @ 2100	1046 - 1055 @ 2100	1046 - 1055 @ 2100	920 - 930 @ 1900	895 - 905 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	149 - 164	101 - 111	103 - 114	98 - 108	152 - 170	105 - 116	4
6 Fuel Rate Pound Per Hour	306 - 333	357 - 379	357 - 379	342 - 366	298 - 320	313 - 333	5
7 Intake Manifold Press. In./Hg	33 - 41	45 - 55	45 - 55	47 - 51	45 - 49	38 - 42	6
8 Torque Rise % - Curve	10 - M-6015	30 - C-4417-A	30 - P-4417	18 - P-4420	18 - P-4414	20 - C-4207	7
9 Torque Peak - PSI @ RPM			519 - 540 @				8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	2195 - 2215	2130 - 2150	2120 - 2140	1930 - 1950	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM	1830 - 1850	2120 - 2140					11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 40		2350 @ 40	2300 @ 40	2200 @ 40	2385 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2000 @ 40		2200 @ 40	2180 @ 40	2050 @ 40		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40	2300 @ 40					17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1880 @ 40	2300 @ 40					18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	19
21 Throttle Travel-Auto. - VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 725	10 @ 725	10 @ 725	10 @ 725	10 @ 750	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 725	550 @ 725	550 @ 725	550 @ 725	550 @ 750	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 600 - 550						23
25 Calibration PSI @ RPM	155 @ 1800	107 @ 2100	107 @ 2100	103 @ 2100	158 @ 1900	110 @ 2100	24
26 Calibration Flow	650	700	655	670	640	610	25
27 Check Point (1) PSI @ RPM	136 - 142 @ 1500	83 - 88 @ 1500	71 - 77 @ 1300	60 - 66 @ 1300	110 - 116 @ 1300	76 - 82 @ 1500	26
28 Check Point (1) Flow	600	620	535	510	530	500	27
29 Check Point (2) PSI @ RPM		74 - 80 @ 1300					28
30 Check Point (2) Flow		580					29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.780 - 143848	.780 - 143848	.780 - 143848	.800 - 143848	.780 - 143848	.800 - 143848	32
34 Idle Plunger Code - Part No.	17 - 140417	32 - 141634	37 - 140418	50 - 140925	25 - 141631	30 - 141633	33
35 Fuel Pump Housing				3279672			34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	143253 - .150	143253 - .000	143252 - .080	3001155 - .080	143253 - .000	3001155 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3009380	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138790 - .020 - .620	3002052 - .020 -	3002056 - .040 - .640	138782 - .040 - .690	138781 - .000 -	138780 - .000 -	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000					41
43 VS Gov. Idle Spring	70778	138810					42
44 VS Gov. Weights	163826	163826					43
45 VS Gov. Plunger	212350	3018640					44
46 VS Gov. Sleeve	3014693	3014693		3014693			45
47 AFC Barrel & Plunger Assembly	3058944		3058944	3058944	3058944		46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1600 - 40	1600 - 47	1600 - 35	1600 - 35	1600 - 50	1600 - 42	48
50 AFC Flow - pph	300	425	350	350	360	360	49
51 AFC Spring - Gage Height-In.	179824 -	179824 -	179828 -	179824 -	179826 -	179826 -	50
52 AFC Bias Spring	3051070	3051070	3051070	3051072			51
53 AFC No Air RPM - PSI	1600 - 60	1600 - 48	1600 - 42	1600 - 44	1600 - 56	1600 - 60	52
54 AFC No Air Flow	350	430	425	400	400	430	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency		9998 CONS	1996 CONS	9998 CONS		1998 CONS	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-M	KTA38-C-P-1050	KTA38-C-P-1050	KTA38-C-P-1050	KT38-C-925	KTA38-C-900	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P/N 3075630. USE WITH WET EXHAUST MANIFOLDS. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. USE SMALL BORE THROTTLE SHAFT P/N 3046680. THIS CODE REPLACES B744.
- (2) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3279715 FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 93-103 PSI. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071. THIS CODE REPLACES B745.
- (3) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3075627. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 98-108 PSI. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051070. THIS CODE REPLACES B753. USE WITH SMALL BORE THROTTLE SHAFT 3046680. SERVICE ONLY SEE BA94.
- (4) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3075627. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 90-98 P.S.I. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051072. USE SMALL BORE THROTTLE SHAFT P/N 3046680. THIS CODE SUPERCEDES B754. TO BE REPLACED BY BA95. NEW INJECTORS
- (5) USE FUEL PUMP P/N 3279716. SERVICE ONLY SEE BA98. FUEL PRESSURE AT RAIL TO BE 142-157 PSI. USE WITH R.D.F. INJECTORS. USE WITH FUEL LINE CHECK VALVES. USE BIAS SPRING P.N. 3051071. THIS CODE REPLACES B755.
- (6) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3075627. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 97-107 PSI. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051070 USE SMALL BORE THROTTLE SHAFT P/N 3046680. FIRST USED ON S.O.88198. SUPERCEDES CODE B758.

1 Pump Code	B848-G	B849-B	B850-E	B851-E	B852-F	B853-A	
2 Date - Control Parts List	JUN93 - 0977	MAY93 - 0869	SEP92 - 0870	FEB93 - 0844	DEC92 - 0870	DEC92 - 0855	1
3 Test HP @ RPM	1224 - 1275 @ 1800	921 - 958 @ 1800	1225 - 1275 @ 1800	1046 - 1055 @ 1900	1592 - 1609 @ 2050	845 - 854 @ 1950	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	147 - 162	105 - 116	110 - 121	99 - 109	163 - 180		4
6 Fuel Rate Pound Per Hour	412 - 439	306 - 333	414 - 439	348 - 375	529 - 573		5
7 Intake Manifold Press. In./Hg	34 - 42	37 - 41	44 - 49	46 - 51	54 - 64		6
8 Torque Rise % - Curve	10 - M-6026	2 - P-4153	2 - C-4152	17 - P-4420	7 - C-4124		7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	1930 - 1950	1940 - 1960	2020 - 2040	2180 - 2200		10
12 VS/Sec. Gov. Setting-RPM	1830 - 1850	1830 - 1850	1840 - 1860	1940 - 1960	2080 - 2100		11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2250 @ 15			2300 @ 15	2400 @ 40		13
15 Min. Auto. Gov. Check-RPM @ PSI	2100 @ 15			2100 @ 15	2300 @ 40		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2000 @ 15	2100 @ 40	2100 @ 40	2185 @ 15	2250 @ 40		17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1900 @ 15	2100 @ 40	2100 @ 40	2000 @ 15	2150 @ 40		18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12		19
21 Throttle Travel-Auto., VS, Lev	28, 19 - 1	28, -	28, -	28, -	28, 18 -		20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 725	10 @ 725	10 @ 725	10 @ 725		21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 725	550 @ 725	550 @ 725	550 @ 725		22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 600 - 550	@ 725 - 550	@ 725 - 550	@ 725 - 550	@ 725 - 550		23
25 Calibration PSI @ RPM	155 @ 1800	110 @ 1800	116 @ 1800	104 @ 1900	170 @ 2050		24
26 Calibration Flow	850	620	770	660	1020		25
27 Check Point (1) PSI @ RPM	136 - 142 @ 1500	85 - 91 @ 1500	90 - 96 @ 1500	72 - 78 @ 1300	108 - 114 @ 1500		26
28 Check Point (1) Flow	610	550	680	570	815		27
29 Check Point (2) PSI @ RPM				48 - 54 @ 1000			28
30 Check Point (2) Flow				450			29
31 Check Point (3) PSI @ RPM				30 - 36 @ 800			30
32 Check Point (3) Flow				380			31
33 Weight Assist Setting - Spring	.780 - 143848	.800 - 143848	.780 - 143848	.800 - 143848	.780 - 143848		32
34 Idle Plunger Code - Part No.	15 - 139894	27 - 141632	40 - 137370	37 - 140418	35 - 140922	40 - 137370	33
35 Fuel Pump Housing	3279601				3279601		34
36 Auto. Idle Spring	144195	144195	144195	144195	144195		35
37 Auto. Gov. Spring - Ref. Shims	143253 - .080	3000936 - .000	3000936 - .000	143253 - .000	3001159 - .080	3001155 - .000	36
38 Gear Pump Size In.	1.000	.750	1.250	.750	1.250	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138791 - .020 - .620			138784 - .000 -		138768 - .000 -	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	41
43 VS Gov. Idle Spring	138810	138810	138810	138810	138810	138810	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	3018640	212350	3018640	3018640	3018640	212350	44
46 VS Gov. Sleeve	3014693	3014693	3014693	3014693	3014693	3014693	45
47 AFC Barrel & Plunger Assembly	3058944		3058944	3058944	3058944		46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1600 - 32	1600 - 47	1600 - 24	1600 - 38	1600 - 20		48
50 AFC Flow - pph	350	380	330	415	320		49
51 AFC Spring - Gage Height-In.	179830 -	179822 -	179830 -	179824 -	179830 -		50
52 AFC Bias Spring	3051071				3051071		51
53 AFC No Air RPM - PSI	1600 - 48	1600 - 50	1600 - 40	1600 - 41	1600 - 42		52
54 AFC No Air Flow	450	400	460	420	490		53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1998 MARI				1998 CONS		61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA50-M	KTA38-P	KTA50-P	KTA38-C-1050	KTA50-C-1600	KT38-M	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075626. FUEL PRESSURE AT RAIL TO BE 143-158 PSI. USE WITH WET EXHAUST MANIFOLDS. USE WITH R.D.F. INJECTORS P.N.3053126. USE BIAS SPRING P.N.3051071. THIS CODE REPLACES B743.
- (2) USE BIAS SPRING 3051070 USE FUEL PUMP P.N. 3279717. FUEL PRESSURE AT RAIL TO BE 97-107 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE SMALL BORE THROTTLE SHAFT P/N 3046680. THIS CODE REPLACES B760.
- (3) USE FUEL PUMP P.N.3075618. FUEL PRESSURE AT RAIL TO BE 101-111 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070.
- (4) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3075527. USE 0.75 INCH FUEL GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 90-100 PSI. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B763. . USE BIAS SPRING P/N 3051071. SERVICE ONLY SEE BA96.
- (5) USE FUEL PUMP P.N.3075618. USE WITH R.D.F. INJECTORS USE GEAR PUMP P.N.3034221. USE WITH CHECK VALVES USE BIAS SPRING P.N.3051071. THIS CODE REPLACES B765.
- (6) USE FUEL PUMP P.N.3279574. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 110-122 PSI. USE WITH WET EXHAUST MANIFOLDS. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P.N. 3046680 DUAL SPRING SINGLE SCREW PUMP. CODE OBSOLETE.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B854-C - B859-B

1 Pump Code	B854-C	B855-A	B856-B	B857-A	B858-B	B859-B	1
2 Date - Control Parts List	MAY93 - 1219	AUG92 - 0873	MAY92 - 0855	AUG92 - 0859	MAY93 - 0852	MAR93 - 0816	2
3 Test HP @ RPM	1769 - 1840 @ 1500	1764 - 1836 @ 2000	1000 - 1009 @ 1800	1194 - 1206 @ 1900	1113 - 1158 @ 1800	1791 - 1810 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	168 - 186	196 - 210	184 - 178	149 - 164	144 - 159	181 - 200	5
6 Fuel Rate Pound Per Hour	560 - 593	631 - 670	335 - 355	434 - 463	366 - 388	631 - 670	6
7 Intake Manifold Press. In./Hg	57 - 67	74 - 82	38 - 42	64 - 71	43 - 48	74 - 82	7
8 Torque Rise % - Curve	- C-4567	4 - P-4105	3 - C-3641	5 - P-4423	1 - C-3642	15 - P-4388	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1740 - 1780	2120 - 2140	1940 - 1960	2040 - 2060	1910 - 1930	2200 - 2220	11
12 VS/Sec. Gov. Setting-RPM		2020 - 2040	1840 - 1860	1920 - 1940			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	1900 @ 40				2100 @ 40	2400 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI	1780 @ 40						15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2200 @ 40	2200 @ 40	2300 @ 40			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2200 @ 40	2200 @ 40	2300 @ 40			19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	75 - 8	110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lever	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 725	10 @ 600	10 @ 725	10 @ 600	10 @ 725	22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 725	550 @ 600	550 @ 725	550 @ 600	550 @ 725	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	180 @ 1500	203 @ 2000	174 @ 1800	156 @ 1900	154 @ 1800	200 @ 2100	25
26 Calibration Flow	1120	1180	620	770	700	1210	26
27 Check Point (1) PSI @ RPM		129 - 135 @ 1500	131 - 137 @ 1500	112 - 118 @ 1500	119 - 125 @ 1500	133 - 139 @ 1500	27
28 Check Point (1) Flow		960	530	660	620	1000	28
29 Check Point (2) PSI @ RPM				89 - 95 @ 1300			29
30 Check Point (2) Flow				590			30
31 Check Point (3) PSI @ RPM				56 - 62 @ 1000			31
32 Check Point (3) Flow				470			32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	5 - 141623	20 - 141629	27 - 141632	35 - 140922	25 - 141631	20 - 141629	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001147 - .000	3001160 - .000	147295 - .000	3001156 - .000	153237 - .000	3001157 - .000	37
38 Gear Pump Size In.	1.250	1.250	.750	1.000	.750	1.250	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height					138790 - .020 -	138769 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims		109686 - .000	109686 - .000	109686 - .000			42
43 VS Gov. Idle Spring		70778	138810	70778			43
44 VS Gov. Weights		163826	163826	163826			44
45 VS Gov. Plunger		3018640	3018640	3018640			45
46 VS Gov. Sleeve		3014693	3014693	3014693			46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI				1600 - 69			49
50 AFC Flow - pph				485			50
51 AFC Spring - Gage Height-In.		179828 -		179828 -			51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI		1600 - 45		1600 - 70			53
54 AFC No Air Flow		560		490			54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-G4	KTA50-C	KT38-G-GS-GC	KTTA38-C-1200	KTA38-G-GS-GC1	KTA50-C-"B"-1800	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM USE WITH PUMP P.N. 3279627. USE WITH FUEL LINE CHECK VALVES. USE BUSHED GEAR PUMP P/N 3034221. USE WITH R.D.F. INJECTORS P/N 3279719. FUEL PRESSURE AT RAIL TO BE 157-175 PSI. REPLACED BY BA26 (INJECTOR CHANGE).
- (2) USE FUEL PUMP P.N. 3279570. FUEL PRESSURE AT RAIL TO BE 182-195 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N.3051071
- (3) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279592. FUEL PRESSURE AT RAIL TO BE 167-180 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FIRST USED ON S/O 88260.
- (4) USE FUEL PUMP P.N. 3279713 FUEL PRESSURE AT RAIL TO BE 148-160 PSI. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH FUEL LINE C/VALVES ONLY. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N.3051071. SPECIAL FOR DRESSER
- (5) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279626. FUEL PRESSURE AT RAIL TO BE 135-150 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FOR USE WITH WET EXHAUST MANIFOLDS. FUEL PRESSURE AT RAIL TO BE 933-1036 KPA. THIS CODE IS REPLACED BY B968.
- (6) USE FUEL PUMP P.N. 3075605. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH R.D.F. INJECTORS. E.F.C./A.F.C. VERSION IS B515.

1 Pump Code	B860-B	B861-B	B862-C	B863-C	B864-B	B865-A	
2 Date - Control Parts List	AUG92 - 0869	AUG92 - 0869	DEC92 - 0869	DEC92 - 0869	DEC91 - 1219	AUG92 - 0869	1
3 Test HP @ RPM	1176 - 1224 @ 2100	921 - 958 @ 1800	1046 - 1055 @ 2100	1046 - 1055 @ 2100	1850 - 1869 @ 1800	1028 - 1070 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	163 - 181	305 - 116	132 - 146	135 - 150		128 - 141	4
6 Fuel Rate Pound Per Hour	410 - 437	306 - 333	359 - 381	359 - 381		342 - 368	5
7 Intake Manifold Press. In./Hg	52 - 57	31 - 35	47 - 52	47 - 52		46 - 51	6
8 Torque Rise % - Curve	10 - P-4153	2 - P-4153	15 - C-4207	15 - C-4207		10 - C-4207	7
9 Torque Peak - PSI @ RPM			- @ 1500				8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2220 - 2240	1940 - 1960	2230 - 2250	2120 - 2140		2120 - 2140	10
12 VS/Sec. Gov. Setting-RPM	2140 - 2160	1840 - 1860	2130 - 2150				11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI				2300 @ 40		2385 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 40	2100 @ 40	2300 @ 40				17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 40	2100 @ 40	2300 @ 40				18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12		110 - 12	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -		28, -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 725	10 @ 750	10 @ 725		10 @ 750	21
23 Idle Speed cc @ RPM-Auto.	550 @ 725	550 @ 725	550 @ 750	550 @ 725		550 @ 750	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	175 @ 2100	107 @ 1800	140 @ 2100	140 @ 2100		135 @ 2100	24
26 Calibration Flow	850	700	710	710		690	25
27 Check Point (1) PSI @ RPM	107 - 113 @ 1500	79 - 85 @ 1500	94 - 100 @ 1500	92 - 98 @ 1500		85 - 91 @ 1500	26
28 Check Point (1) Flow	670	600	560	560		550	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.780 - 143848	.780 - 143848	.780 - 143848	.800 - 143848		- 143848	32
34 Idle Plunger Code - Part No.	32 - 141634	40 - 137370	42 - 140923	42 - 140923	5 - 141623	45 - 138862	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195		144195	35
37 Auto. Gov. Spring - Ref. Shims	3001158 - .000	147295 - .000	3001157 - .000	3001157 - .000	3001147 - .000	3001156 - .000	36
38 Gear Pump Size In.	1.000	.750	.750	.750	1.250	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	142697 - .000 -		142696 - .000 -	142696 - .000 -	138782 - .040 -		40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109686 - .000				41
43 VS Gov. Idle Spring	138810	138810	138810				42
44 VS Gov. Weights	163826	163826	163826				43
45 VS Gov. Plunger	3018640	3018640	3018640				44
46 VS Gov. Sleeve	3014693	3014693	3014693				45
47 AFC Barrel & Plunger Assembly			3058944	3058944			46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI			1600 - 54	1600 - 30		1600 - 47	48
50 AFC Flow - pph			420	247		415	49
51 AFC Spring - Gage Height-In.			179828 -	179834 -		179824 -	50
52 AFC Bias Spring				3051069			51
53 AFC No Air RPM - PSI			1600 - 55	1600 - 66		1600 - 48	52
54 AFC No Air Flow			425	395		420	53
55 ASA Valve							54
56 TMP Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency			2000 INDP				61
63 Certified Year/Agency			2000 CONS				62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-P.	KTA38-P-C-L	KTA38-C-P-1050	KTA38-C-P-1050	KTA60-G3	KTA38-L-1020	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH N/D 12V E.F.C. GOVERNOR. USE FUEL PUMP P/N 3279707. FUEL PRESSURE AT RAIL TO BE 154-172 PSI. USE WITH FUEL LINE CHECK VALVES. FIRST USED ON S/O 88400.(CHINA).
- (2) USE FUEL PUMP P.N. 3279592. FUEL PRESSURE AT RAIL TO BE 97-107 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS P/N 3053124. FOR USE WITH WET MANIFOLDS FOR USE WITH WOODWARD PSG GOVERNOR SYSTEM. A.F.C. VERSION IS B869.
- (3) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P/N 3279715. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 125-140 PSI. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051070. THIS CODE REPLACES B815. ZERO DELAY ADJUST TO 2.5 PSI.
- (4) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P/N 3279716. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 126-141 PSI. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071. THIS CODE IS REPLACED BY B816. SERVICE ONLY.
- (5) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM USE WITH PUMP P.N. 3279627. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH "K" FAMILY R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 166-185 PSI(60HZ FUEL PRESSURE AT RAIL TO BE 144-160 PSI(50HZ INTAKE MANIFOLD PRESSURE 52-62 IN.HG (50HZ)
- (6) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P/N 3279716. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 130-140 PSI. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051070 USE SMALL BORE THROTTLE SHAFT P.N. 3046680 FIRST USED ON S/O NO 88506.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B866-D - B871-B

1 Pump Code	B866-D	B867-F	B868-B	B869-A	B870-B	B871-B	1
2 Date - Control Parts List	AUG92 - 0859	JAN93 - 1219	DEC92 - 0872	DEC92 - 0859	DEC92 - 0872	DEC92 - 0853	2
3 Test HP @ RPM	1046 - 1055 @ 1800	1850 - 1869 @ 1800	1253 - 1265 @ 2100	1143 - 1155 @ 1800	1194 - 1206 @ 2100	1294 - 1429 @ 1500	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	99 - 110	175 - 194	170 - 188	112 - 123	165 - 183	113 - 125	5
6 Fuel Rate Pound Per Hour	344 - 368	582 - 617	439 - 467	373 - 395	428 - 454	448 - 476	6
7 Intake Manifold Press. In./Hg	40 - 48	58 - 68	64 - 70	48 - 54	65 - 72	42 - 46	7
8 Torque Rise % - Curve	14 - P-4424	6 - C-4568	10 - P-4104-B	3 - P-4423	10 - P-4424-B	- C-3849	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1940 - 1960	2020 - 2040	2210 - 2240	1910 - 1930	2200 - 2220	1610 - 1640	11
12 VS/Sec. Gov. Setting-RPM	1840 - 1860	1920 - 1940	2120 - 2140		2130 - 2150		12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40			2100 @ 40		1700 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2000 @ 40			1968 @ 40			15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2000 @ 40	2150 @ 40	2300 @ 40		2300 @ 40		18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1900 @ 40	2150 @ 40	2300 @ 40		2300 @ 40		19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	75 - 8	20
21 Throttle Travel-Auto. - VS, Lev	28, 16 -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 800	10 @ 600	10 @ 725	10 @ 600	10 @ 725	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 800	550 @ 600	550 @ 725	550 @ 600	550 @ 725	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 800 - 550	@ 725 - 550	@ 725 - 550		@ 725 - 550		24
25 Calibration PSI @ RPM	100 @ 1800	185 @ 1800	180 @ 2100	117 @ 1800	171 @ 2100	119 @ 1500	25
26 Calibration Flow	720	1175	900	720	900	870	26
27 Check Point (1) PSI @ RPM	84 - 90 @ 1500	160 - 166 @ 1500	107 - 113 @ 1500	91 - 97 @ 1500	111 - 117 @ 1500		27
28 Check Point (1) Flow	670	1100	710	630	740		28
29 Check Point (2) PSI @ RPM	73 - 79 @ 1300		55 - 61 @ 1000	75 - 81 @ 1300	87 - 93 @ 1300		29
30 Check Point (2) Flow	620		510	565	650		30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.790 - 143848	.800 - 143848	.790 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	27 - 141632	5 - 141623	32 - 141634	32 - 141634	27 - 141632	17 - 140417	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	3001147 - .000	3001161 - .000	3001155 - .000	3001157 - .000	3000935 - .000	37
38 Gear Pump Size In.	.750	1.250	1.000	.750	1.000	1.250	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3009380	3010810	40
41 Torque Spring - Shims - Gage Height	139585 - .000 -	138782 - .040 -		142696 - .000 - .650			41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109686 - .000		109686 - .000		42
43 VS Gov. Idle Spring	138810	138810	138810		138810		43
44 VS Gov. Weights	163826	163826	163826		163826		44
45 VS Gov. Plunger	3018640	3018640	3018640		3018640		45
46 VS Gov. Sleeve			3014693		3014693		46
47 AFC Barrel & Plunger Assembly			3058944		3058944		47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1600 - 36		160 - 44		1600 - 44		49
50 AFC Flow - pph	410		380		380		50
51 AFC Spring - Gage Height-In.	179824 -		179830 -		179830 -		51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 40		1600 - 65		1600 - 48		53
54 AFC No Air Flow	420		470		460		54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1993 CONS				9998 CONS		62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA38-C-1050	KTA50-G3	KTA38-C-1260	KTA38-C-1150	KTA38-C-1200	KTA50-G-GS-GC1	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- USE FUEL PUMP P/N 3279715. FUEL PRESSURE AT RAIL TO BE 90-96 PSI. USE WITH FUEL LINE CHECK VALVES. LOW B.S.F.C. ENGINE USE WITH R.D.F. INJECTORS. USE BIAS SPRING P/N 3051071. SERVICE ONLY SEE BA51. FOR USE ON D233026CX02 ENGINE CONFIGURATION. IDLE SET AT 800 RPM. AUTO THROTTLE IS LOCKED OPEN.
- USE WITH WAW PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279588. USE WITH FUEL LINE CHECK VALVES. THIS CODE SERVICE ONLY SEE BA24. USE INJECTORS P/N 3279719. FUEL PRESSURE AT RAIL TO BE 166-185 PSI(60HZ FUEL PRESSURE AT RAIL TO BE 144-160 PSI(50HZ INTAKE MANIFOLD PRESSURE 52-62 IN.HG (50HZ)
- USE FUEL PUMP P.N.3075626. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH FUEL LINE C/VALVES ONLY. USE WITH R.D.F. INJECTORS P/N 3058802. USE BIAS SPRING P.N.3051071. FIRST USED ON S/O 88701.
- USE FUEL PUMP P.N. 3279643. FUEL PRESSURE AT RAIL TO BE 712-788 KPA. FUEL PRESSURE AT RAIL TO BE 103-114 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. FIRST USED ON S097134. E.F.C./A.F.C. VERSION IS B518.
- USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075626. USE WITH 1.00 INCH GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 155-171 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N.3051071. FIRST USED ON S/O 88722 (KOMATSU). FUEL PRESSURE AT RAIL TO BE 1064-1176 KPA.
- USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N.3075537. FUEL PRESSURE AT RAIL TO BE 105-116 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. FIRST USED ON S/O 12912

1 Pump Code	B872-A	B873-A	B874-B	B875-E	B876-B	B877-C	
2 Date - Control Parts List	AUG92 - 0869	AUG92 - 0866	DEC92 - 0901	DEC92 - 0878	AUG92 - 0901	AUG92 - 0872	1
3 Test HP @ RPM	1046 - 1055 @ 2050	1135 - 1146 @ 1800	647 - 673 @ 2000	1592 - 1609 @ 1900	855 - 865 @ 2100	1103 - 1115 @ 1500	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	132 - 146	144 - 159	97 - 107	130 - 143		128 - 142	4
6 Fuel Rate Pound Per Hour	359 - 381	364 - 388	234 - 249	518 - 551		357 - 381	5
7 Intake Manifold Press. In./Hg	43 - 47	50 - 60	25 - 31	55 - 61		54 - 60	6
8 Torque Rise % - Curve	12 - C-4207	1 - C-3642	15 - P-4075	5 - P-4355		- P-4104-B	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2160 - 2190	1910 - 1930	2140 - 2160	2195 - 2215		1640 - 1660	10
12 VS/Sec. Gov. Setting-RPM	2070 - 2090		2030 - 2050	1930 - 2000			11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2100 @ 40	2400 @ 40			1800 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI			2200 @ 40			1700 @ 40	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 40		2250 @ 40	2300 @ 40			17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 40		2100 @ 40	2300 @ 40			18
20 Throttle Leakage-cc - pph	110 - 12	75 - 8	110 - 12	110 - 12		75 - 8	19
21 Throttle Travel-Auto. VS, Levr	28, -	28, -	28, -	28, -		28, -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 750	10 @ 600	10 @ 725	10 @ 725		10 @ 725	21
23 Idle Speed cc @ RPM-Auto.	550 @ 750	550 @ 600	550 @ 725	550 @ 725		550 @ 725	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 725 - 550		@ 725 - 550				23
25 Calibration PSI @ RPM	140 @ 2050	152 @ 1800	102 @ 2000	136 @ 1900		128 @ 1500	24
26 Calibration Flow	750	770	500	1040		650	25
27 Check Point (1) PSI @ RPM	95 - 101 @ 1500	123 - 129 @ 1500	69 - 75 @ 1500	101 - 107 @ 1500		113 - 119 @ 1400	26
28 Check Point (1) Flow	590	690	420	910		615	27
29 Check Point (2) PSI @ RPM				107 - 112 @ 2100		102 - 108 @ 1300	28
30 Check Point (2) Flow				940		585	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	- 143848	.800 - 143848	.760 - 143848	.750 - 143854		.800 - 143848	32
34 Idle Plunger Code - Part No.	37 - 140418	20 - 141629	55 - 139619	30 - 141633	35 - 140922	22 - 141630	33
35 Fuel Pump Housing						3048259	34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3001156 - .000	153237 - .000	3001156 - .000	3001161 - .000	143251 - .000	153237 - .090	36
38 Gear Pump Size In.	.750	.750	.750	1.250	1.000	1.000	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138768 - .000 -	138790 - .010 -	142696 - .000 -		138780 - .020 -		40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000		109686 - .000	109690 - .000			41
43 VS Gov. Idle Spring	138810		138810	138810			42
44 VS Gov. Weights	163826		163826	163826			43
45 VS Gov. Plunger	3018640		212350	3278180			44
46 VS Gov. Sleeve	3014693		3014693	3014693			45
47 AFC Barrel & Plunger Assembly	3058944					3014693	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1600 - 62		1600 - 52	1600 - 18			48
50 AFC Flow - pph	400		350	365			49
51 AFC Spring - Gage Height-In.	179824 -		179822 -	179830 -			50
52 AFC Bias Spring			3051072				51
53 AFC No Air RPM - PSI	1600 - 63		1600 - 56	1600 - 29			52
54 AFC No Air Flow	410		370	470			53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency				1998 CONS			61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-C-P-1050	KTA38-G-GS-GC1	KT38-L-900	KTA50-C-1600	KT38-C-860	KTTA38-C-1109	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P/N 3075527. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 126-141 PSI. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071. FIRST USED ON S/O 97224.
- (2) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 136-150 PSI. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279632. USE WITH R.D.F. INJECTORS. FOR USE WITH WET MANIFOLDS. THIS CODE REPLACED BY BA74.
- (3) USE FUEL PUMP P.N. 3075630. FUEL PRESSURE AT RAIL TO BE 89-98 PSI. USE WITH FUEL LINE CHECK VALVES ONLY. USE BIAS SPRING P.N. 3051072. USE WITH R.D.F. INJECTORS. USE SMALL BORE THROTTLE SHAFT P/N 3044680. WET MANIFOLDS.
- (4) USE FUEL PUMP P.N. 3075618. USE WITH FUEL LINE CHECK VALVES. USE WITH 1.25 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 121-134 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. CONSTANT POWER PUMP, KOMATSU ONLY. V.S. TO BE LOCKED OUT. LOW IDLE TO BE SET ON AUTO GOVERNOR. CHECK POINT 2 DROOP TO 2100 RPM.
- (5) USE FUEL PUMP P.N. 3279716. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 137-152 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. FIRST USED ON SO 97222. THIS CODE REPLACED BY 8992.
- (6) USE FUEL PUMP P.N. 3279642. FUEL PRESSURE AT RAIL TO BE 114-126 PSI. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH FUEL LINE C/VALVES ONLY. USE WITH R.D.F. INJECTORS. FOR USE WITH N/C E.F.C. GOVERNOR SYSTEM. FIRST USED ON S.O. 97230. E.F.C./A.F.C. VERSION IS 8525.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B878-B - B883-A

1 Pump Code	B878-B	B879-A	B880-E	B881-C	B882-B	B883-A	
2 Date - Control Parts List	MAY92 - 1219	MAY92 - 1219	APR93 - 1251	APR93 - 0864	JUN92 - 1219	MAY92 - 0889	1
3 Test HP @ RPM	1850 - 1869 @ 1800	1761 - 1779 @ 1500	1340 - 1353 @ 1800	1350 - 1363 @ 1800	1850 - 1869 @ 1800	807 - 814 @ 1200	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	175 - 194	166 - 184	164 - 181	189 - 208	175 - 194	99 - 106	4
6 Fuel Rate Pound Per Hour	582 - 617	547 - 580	434 - 461	443 - 472	582 - 617	265 - 282	5
7 Intake Manifold Press. In./Hg	58 - 68	57 - 67	56 - 66	59 - 65	58 - 68	48 - 58	6
8 Torque Rise % - Curve	6 - C-4568	- C-4567	7 - C-4574	2 - C-4130	6 - C-4568	- C-4369	7
9 Torque Peak - PSI @ RPM			1058 - 1101 @				8
10 Cranking Fuel Press. - PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1990 - 2040	1680 - 1700	1940 - 1960	1970 - 1990	2020 - 2040	1310 - 1340	10
12 VS/Sec. Gov. Setting-RPM		1580 - 1600			1920 - 1940		11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2150 @ 40		2100 @ 40	2200 @ 40		1400 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI			1980 @ 40				14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI		1800 @ 40			2150 @ 40		17
19 Min. VS/Sec. Gov. Check-RPM @ PSI		1800 @ 40			2150 @ 40		18
20 Throttle Leakage-cc @ 1pph	75 - 8	75 - 8	110 - 12	110 - 12	110 - 12	75 - 8	19
21 Throttle Travel-Auto. VS Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	185 @ 1800	175 @ 1500	172 @ 1800	198 @ 1800	185 @ 1800	100 @ 1200	24
26 Calibration Flow - gph	1175	1150	850	840	1175	520	25
27 Check Point (1) PSI @ RPM	160 - 166 @ 1500		146 - 152 @ 1500	150 - 156 @ 1500	160 - 166 @ 1500		26
28 Check Point (1) Flow - gph	1100		790	740	1100		27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow - gph							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow - gph							31
33 Weight Assist Setting - Spring	800 - 143848	- 143848	800 - 143848	780 - 143848	800 - 143848	800 - 143848	32
34 Idle Plunger Code - Part No.	5 - 141623	10 - 141625	15 - 139894	20 - 141629	5 - 141623	15 - 139894	33
35 Fuel Pump Housing			3279620	3048259			34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3001147 - .000	3001147 - .000	143253 - .000	3000936 - .000	3001147 - .000	3004751 - .000	36
38 Gear Pump Size In.	1.250	1.250	1.250	1.250	1.250	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138782 - .040		138791 - .020 - .620		138782 - .040		40
42 VS Gov. Max. Spring - Ref. Shims		109686 - .000			109686 - .000		41
43 VS Gov. Idle Spring		138810			138810		42
44 VS Gov. Weights		163826			163826		43
45 VS Gov. Plunger		3018640			3018640		44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage/Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly			3063505	3063505			58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency					1993 GEN		61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA50-G3	KTA50-G4	KTA38-G3	KTA38-G-GS-GC2	KTA50-G3	KTA38-G-GS-GC2	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) FOR USE WITH CUSTOMER SUPPLIED GOV SYSTEM. USE FUEL PUMP P/N 3279630. FUEL PRESSURE AT RAIL TO BE 167-178 PSI. USE WITH FUEL LINE CHECK VALVES. THIS CODE FOR SERVICE ONLY. USE WITH K-FAMILY R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 166-185 PSI (60HZ FUEL PRESSURE AT RAIL TO BE 144-160 PSI (50HZ INTAKE MANIFOLD PRESSURE 52-62 IN.HG (50HZ)
- (2) USE WITH WAI/PG MOTORHEAD GOVERNOR SYSTEM. USE WITH PUMP P.N. 3279588. TWIN LEVERED PUMP. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS P/N 3279719. FIRST USED ON S/O 68854. FUEL PRESSURE AT RAIL TO BE 157-175 PSI.
- (3) USE WITH CUMMINS I.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075537. FUEL PRESSURE AT RAIL TO BE 157-174 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. FIRST USED ON S.O. 88835.
- (4) USE WITH FUEL LINE CHECK VALVES ONLY. USE FUEL PUMP P.N. 3080596. USE WITH N/C E.F.C. GOVERNOR. FIRST USED ON S/O 97466. FUEL PUMP, EFC DEDICATED HOUSING. MILITARY CONTRACT 2. USE WITH RIBBED FRONT COVER.
- (5) USE WITH WAI/PG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279588. USE WITH FUEL LINE CHECK VALVES. USE WITH K FAMILY R.D.F. INJECTORS. FIRST USED ON SO 88888/9. REPLACED BY BAZO (INJECTOR CHANGE). FUEL PRESSURE AT RAIL TO BE 166-185 PSI (60HZ FUEL PRESSURE AT RAIL TO BE 144-160 PSI (50HZ INTAKE MANIFOLD PRESSURE 52-62 IN.HG (50HZ)
- (6) USE WITH CUMMINS I.C. EFC GOVERNOR SYSTEM. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279629. USE WITH R.D.F. INJECTORS. FIRST USED ON S.O. 97281. F/PUMP THROTTLE TO BE LOCKED OPEN AFTER TEST THIS CODE IS REPLACED BY 8961.

Pump Code	B884-F	B885-D	B886-B	B887-A	B888-D	B889-D	
1 Date - Control Parts List	JUN93 - 0859	APR93 - 1541	AUG92 - 1219	FEB93 - 0859	DEC92 - 0870	FEB93 - 0859	1
2 Test HP @ RPM	1194 - 1206 @ 2100	1340 - 1353 @ 1800	1850 - 1869 @ 1800	1194 - 1206 @ 2100	1343 - 1357 @ 2100	1194 - 1206 @ 1900	2
3 Governed Speed-RPM							3
4 Engine Fuel PSI	124 - 137	164 - 181	175 - 194	121 - 134	125 - 139	123 - 136	4
5 Fuel Rate Pound Per Hour	412 - 437	434 - 461	582 - 617	428 - 456	445 - 474	392 - 419	5
6 Intake Manifold Press. In./Hg	48 - 56	56 - 66	58 - 68	44 - 52	50 - 60	49 - 57	6
7 Torque Rise % - Curve	15 - P-4424	7 - C-4574	6 - C-4568	15 - P-4424-C	20 - C-3513	5 - P-4423	7
8 Torque Peak - PSI @ RPM							8
9 Cranking Fuel Press.-PSI @ RPM							9
10 Auto. Gov. Setting-RPM	2200 - 2220	1940 - 1960	1980 - 2000	2200 - 2220	2200 - 2220	2020 - 2040	10
11 VS/Sec. Gov. Setting-RPM	2130 - 2150			2130 - 2150	2130 - 2150		11
12 Cruise Speed-PSI @ RPM							12
13 Max. Auto. Gov. Check-RPM @ PSI	2400 @ 40	2100 @ 40	2150 @ 40	2400 @ 40		2300 @ 40	13
14 Min. Auto. Gov. Check-RPM @ PSI	2270 @ 40	1980 @ 40		2300 @ 40		2100 @ 40	14
15 RS Gov. Setting-PSI @ RPM							15
16 Low RS Gov. Setting-RPM							16
17 Max. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 40			2300 @ 40	2300 @ 40		17
18 Min. VS/Sec. Gov. Check-RPM @ PSI	2170 @ 40			2200 @ 40	2300 @ 40		18
19 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	19
20 Throttle Travel-Auto., VS, Levr	28, 18	28, -	28, -	28, 18	28, -	28, -	20
21 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 600	10 @ 600	10 @ 725	10 @ 725	10 @ 725	21
22 Idle Speed cc @ RPM-Auto.	550 @ 725	550 @ 600	550 @ 600	550 @ 725	550 @ 725	550 @ 725	22
23 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 725 - 550			@ 725 - 550	@ 725 - 550		23
24 Calibration PSI @ RPM	125 @ 2100	172 @ 1800	185 @ 1800	125 @ 2100	132 @ 2100	127 @ 1900	24
25 Calibration Flow	720	850	1175	720	950	760	25
26 Check Point (1) PSI @ RPM	86 - 92 @ 1500	146 - 152 @ 1500	160 - 166 @ 1500	86 - 92 @ 1500	91 - 97 @ 1500	92 - 98 @ 1500	26
27 Check Point (1) Flow	590	790	1100	590	810	650	27
28 Check Point (2) PSI @ RPM	72 - 78 @ 1300			72 - 78 @ 1300		74 - 80 @ 1300	28
29 Check Point (2) Flow	530			530		580	29
30 Check Point (3) PSI @ RPM							30
31 Check Point (3) Flow							31
32 Weight Assist Setting - Spring	.780 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	32
33 Idle Plunger Code - Part No.	40 - 137370	15 - 139894	5 - 141623	40 - 137370	40 - 137370	37 - 140418	33
34 Fuel Pump Housing							34
35 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
36 Auto. Gov. Spring - Ref. Shims	3001155 - .080	143253 - .000	3001147 - .000	3001155 - .090	3001155 - .000	3001156 - .000	36
37 Gear Pump Size In.	.750	1.250	1.250	1.000	1.000	.750	37
38 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
39 Auto. Gov. Plunger	3009380	3010810	3010810	3009380	3010810	3009380	39
40 Torque Spring - Shims - Gage Height	138782 - .040 - .690	138791 - .020 -	138782 - .040 -	139588 - .040 - .640	138782 - .020 -	138758 - .000 -	40
41 VS Gov. Max. Spring - Ref. Shims	109686 - .000			109686 - .000	109686 - .000		41
42 VS Gov. Idle Spring	138810			138810	138810		42
43 VS Gov. Weights	163826			163826	163826		43
44 VS Gov. Plunger	3018640			212350	3018640		44
45 VS Gov. Sleeve	3014693			3014693	3014693		45
46 AFC Barrel & Plunger Assembly	3058944			3058944	3058944		46
47 AFC In./Hg - PSI							47
48 AFC RPM - PSI	1600 - 26			1600 - 25	1600 - 18		48
49 AFC Flow - pph	300			300	330		49
50 AFC Spring - Gage Height-In.	179828 -			179828 -	179830 -		50
51 AFC Bias Spring	3051070			3051070			51
52 AFC No Air RPM - PSI	1600 - 38			1600 - 40	1600 - 40		52
53 AFC No Air Flow	400			420	460		53
54 ASA Valve							54
55 TMD Set with ST589 - Shims							55
56 TMD Spring							56
57 TMD Plunger		3063505					57
58 EFC Assembly							58
59 PT Pacer Assembly							59
60 Fuel Line Check Valve							60
61 Certified Year/Agency	1999 CONS	1999 GEN		2003 GEN		2000 CONS	61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA38-C-P-L-1200	KTA38-G3	KTA50-G3	KTA38-C-P-L-1200	KTA50-C-1350	KTA38-C-1200	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3075527. FUEL PRESSURE AT RAIL TO BE 113-125 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. SERVICE ONLY REPLACED BY 8811.
- (2) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075537. FUEL PRESSURE AT RAIL TO BE 130-145 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. FIRST USED ON SO 88974/93060.
- (3) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P/N 3279630. USE WITH FUEL LINE CHECK VALVES. USE P.T.G. GUTLESS HOUSING (AUTO). USE WITH "K" FAMILY R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 166-185 PSI(60HZ) FUEL PRESSURE AT RAIL TO BE 144-160 PSI(50HZ) INTAKE MANIFOLD PRESSURE 52-62 IN.HG (50HZ) THIS CODE FOR SERVICE ONLY.
- (4) USE WITH FUEL LINE CHECK VALVES. USE PUMP P.N. 3080526. USE WITH SMALL BORE THROTTLE SHAFT. FUEL PRESSURE AT RAIL TO BE 113-125 PSI. USE BIAS SPRING P.N. 3051070.
- (5) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3075626. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. THIS CODE REPLACES B750. SERVICE ONLY.
- (6) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3075611. USE WITH 0.75 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 113-124 PSI. USE WITH R.D.F. INJECTORS. THIS CODE REPLACED BY B526. SERVICE ONLY.

P,T (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B890-C - B895-B

1 Pump Code	B890-C	B891-B	B892-B	B893-B	B894-A	B895-B	1
2 Date - Control Parts List	DEC92 - 0975	DEC92 - 0976	FEB93 - 0977	MAR93 - 0901	JAN93 - 0809	AUG92 - 1219	2
3 Test HP @ RPM	588 - 613 @ 1800	637 - 664 @ 1800	784 - 816 @ 1800	882 - 918 @ 2100	920 - 930 @ 1900	1850 - 1869 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	78 - 84	88 - 97	80 - 88	153 - 169	152 - 170	176 - 187	5
6 Fuel Rate Pound Per Hour	218 - 234	229 - 245	284 - 304	324 - 344	298 - 320	584 - 619	6
7 Intake Manifold Press. In./Hg	19 - 25	22 - 24	18 - 24	45 - 53	45 - 49	58 - 68	7
8 Torque Rise % - Curve	10 - NEWCURVE	10 - M-6015-A	10 - M-6049-A	10 - C-3724	18 - P-4414	6 - C-4568	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press. - PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1920 - 1940	1920 - 1940	1940 - 1960	2195 - 2215	1930 - 1950	1990 - 2020	11
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	1820 - 1840	1840 - 1860	2120 - 2140			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI					2240 @ 40	2150 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI					2080 @ 40		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40	2100 @ 40	2300 @ 40			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40	2100 @ 40	2300 @ 40			19
20 Throttle Leakage-cc. /ph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto. - VS. Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 725	10 @ 725	10 @ 600	22
23 Idle Speed-cc. @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 725	550 @ 725	550 @ 600	23
24 VS/Sec. Gov. Idle-PSI @ RPM - cc				@ 725 - 550			24
25 Calibration PSI @ RPM	81 @ 1800	93 @ 1800	84 @ 1800	167 @ 2100	158 @ 1900	185 @ 1800	25
26 Calibration Flow	460	500	620	710	640	1175	26
27 Check Point (1) PSI @ RPM	64 - 70 @ 1500	77 - 83 @ 1500	67 - 73 @ 1500	103 - 109 @ 1500	110 - 116 @ 1300	160 - 166 @ 1500	27
28 Check Point (1) Flow	420	460	560	560	530	1100	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist-Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.780 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	52 - 139618	45 - 138862	42 - 140923	47 - 140922	20 - 141629	5 - 141623	34
35 Fuel Pump Housing					3279672		35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring-Ref. Shims	153236 - .000	153236 - .000	3001155 - .000	3001158 - .000	153232 - .165	3001147 - .000	37
38 Gear Pump Size-In.	.750	.750	.750	.750	1.000	1.250	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3009380	3010810	3009380	3010810	3010810	40
41 Torque Spring Shims - Gage Height	138796 - .020 -	138788 - .020 -	142699 - .020 - .620		3053159 - .099 - .599	138782 - .040 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109686 - .000	109686 - .000			42
43 VS Gov. Idle Spring	138810	138810	138810	138810			43
44 VS Gov. Weights	163826	163826	163826	163826			44
45 VS Gov. Plunger	212350	3018640	212350	212350			45
46 VS Gov. Sleeve	3014693	3014693	3014693	3014693			46
47 AFC Barrel & Plunger Assembly	3058944	3058944	3058944		3058944		47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1600 - 60	1600 - 54	1600 - 39	1600 - 80	1600 - 50		49
50 AFC Flow - pph	400	375	400	400	350		50
51 AFC Spring - Gage Height-In.	179822 -	179822 -	179822 -	179824 -	179824 -		51
52 AFC Bias Spring					3051070		52
53 AFC No Air RPM - PSI	1600 - 61	1600 - 55	1600 - 42	1600 - 83	1600 - 56		53
54 AFC No Air Flow	405	380	420	450	400		54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency			1998 MARI				62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT38-M	KTA38-M	KTA50-M	KT38-P-900	KT38-C-925	KTA50-G3	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH FUEL LINE CHECK VALVES. USE WITH WET EXHAUST MANIFOLDS ONLY. USE FUEL PUMP P.N. 3279717. FUEL PRESSURE AT RAIL TO BE 88-97 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P/N 3046680. SERVICE ONLY.
- (2) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279717. USE WITH WET EXHAUST MANIFOLDS. FUEL PRESSURE AT RAIL TO BE 99-107 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P/N 3046680. SERVICE ONLY.
- (3) USE FUEL PUMP P.N. 3075630. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS P.N. 3053126. FUEL PRESSURE AT RAIL TO BE 110-122 PSI. USE WITH WET EXHAUST MANIFOLDS. USE BIAS SPRING P.N. 3051070. USE SMALL BORE THROTTLE SHAFT P/N 3046680.
- (4) USE FUEL PUMP P.N. 3075527. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 152-163 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071.
- (5) USE FUEL PUMP P.N. 3075630. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 142-157 PSI. USE WITH R.D.F. INJECTORS. USE WITH FUEL LINE CHECK VALVES. USE BIAS SPRING P.N. 3051070. NARROW ENGINE THIS CODE REPLACES B846. SERVICE ONLY.
- (6) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM USE WITH PUMP P.N. 3279627. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH "K" FAMILY R.D.F. INJECTORS. CONTINUOUS RATING THIS CODE IS FOR SERVICE ONLY.

1 Pump Code	B896-C	B897-C	B898-A	B899-A	B901-A	B902-A	
2 Date - Control Parts List	DEC92 - 0878	MAY92 - 0844	DEC91 - 1299	OCT92 - 1299	MAY90 - 1299	MAY90 - 1299	1
3 Test HP @ RPM	1592 - 1609 @ 2100	1028 - 1070 @ 2100	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	133 - 148		144 - 159	144 - 159	144 - 159	144 - 159	4
6 Fuel Rate Pound Per Hour	522 - 556		364 - 388	364 - 388	364 - 388	364 - 388	5
7 Intake Manifold Press. In./Hg	53 - 63		50 - 60	50 - 60	50 - 60	50 - 60	6
8 Torque Rise % - Curve	10 - P-4356		1 - C-3642	1 - C-3642	1 - C-3642	1 - C-3642-E	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2230 - 2250		1910 - 1940	1910 - 1930	1910 - 1930	1910 - 1930	10
12 VS/Sec. Gov. Setting-RPM	2130 - 2150						11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2450 @ 40		2100 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI	2300 @ 40		2000 @ 40				14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 40						17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2200 @ 40						18
20 Throttle Leakage-cc - pph	110 - 12		75 -	110 - 12	75 -	75 -	19
21 Throttle Travel-Auto. - VS, Levr	28 -		28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 725		10 @ 600	10 @ 600	10 @ 600	10 @ 600	21
23 Idle Speed cc @ RPM-Auto.	550 @ 725		550 @ 600	550 @ 600	550 @ 600	550 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 725 - 550						23
25 Calibration PSI @ RPM	140 @ 2100		152 @ 1800	152 @ 1800	152 @ 1800	152 @ 1800	24
26 Calibration Flow	1030		770	770	770	770	25
27 Check Point (1) PSI @ RPM	93 - 99 @ 1500		123 - 129 @ 1500	123 - 129 @ 1500	123 - 129 @ 1500	123 - 129 @ 1500	26
28 Check Point (1) Flow	850		690	690	690	690	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.780 - 143848		.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	32
34 Idle Plunger Code - Part No.	37 - 140418	40 - 137370	20 - 141629	20 - 141629	20 - 141629	20 - 141629	33
35 Fuel Pump Housing		3279601					34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3001157 - .000	143252 - .090	153237 - .000	153237 - .000	153237 - .000	153237 - .000	36
38 Gear Pump Size In.	1.250	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	142696 - .010 -	3002057 - .060 - .670	138790 - .010 -	138790 - .010 -	138790 - .010 -	138790 - .010 -	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109690 - .000					41
43 VS Gov. Idle Spring	138810	138810					42
44 VS Gov. Weights	163826	163826					43
45 VS Gov. Plunger	3018640	3278180					44
46 VS Gov. Sleeve	3014693	3014693					45
47 AFC Barrel & Plunger Assembly	3058944	3058944					46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1600 - 18						48
50 AFC Flow - pph	370						49
51 AFC Spring - Gage Height-In.	179830 -						50
52 AFC Bias Spring		3051071					51
53 AFC No Air RPM - PSI	1600 - 29						52
54 AFC No Air Flow	460						53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency		1999 CONS					61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA50-C-1600	KTA38-C-P-1050	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE FUEL PUMP P.N. 3279711 USE FUEL PUMP P.N. 3075618. USE WITH 1.25 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 124-139 PSI. USE WITH R.D.F. H.V.T. INJECTORS USE BIAS SPRING P.N. 3051070.
- (2) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3075627. THIS CODE OBSOLETE REPLACED BY B982. FUEL PRESSURE AT RAIL TO BE 96-106 PSI. USE WITH 0.75 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071. USE V.S.PLUNGER P.N.3278180. FOR KOMATSU H D 785 ONLY. CHECK POINT AT 2250 RPM 94 PSI 680 LB/HR. CHECK POINT AT 800 RPM 33 PSI 380 LB/HR NOM.
- (3) USE WITH CUMMINS N.C EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279629. FUEL PRESSURE AT RAIL TO BE 136-150 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED VERSION OF B718. THIS CODE IS REPLACED BY B946.
- (4) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279626. FUEL PRESSURE AT RAIL TO BE 136-150 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED ENGINE. THIS CODE IS REPLACED BY B969.
- (5) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/M PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 136-150 PSI. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279632. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED VERSION OF B720.
- (6) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279632. FUEL PRESSURE AT RAIL TO BE 136-150 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED VERSION OF B721.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B903-B - B908-A

1 Pump Code	B903-B	B904-B	B905-B	B906-A	B907-A	B908-A	1
2 Date - Control Parts List	DEC92 - 1299	FEB90 - 1299	DEC92 - 1299	JAN92 - 1300	DEC92 - 1300	JAN92 - 1300	2
3 Test HP @ RPM	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	144 - 159		144 - 159	141 - 155	141 - 155	141 - 155	5
6 Fuel Rate Pound Per Hour	364 - 388		364 - 388	366 - 388	366 - 388	366 - 388	6
7 Intake Manifold Press. In./Hg	50 - 60		50 - 60	53 - 59	45 - 49	53 - 59	7
8 Torque Rise % - Curve	1 - C-3642-E		1 - C-3642-E	1 - C-3642	3 - C-3642	1 - C-3642	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1930		1960 - 1980	1930 - 1950	1910 - 1930	1910 - 1940	11
12 VS/Sec. Gov. Setting-RPM			1860 - 1880				12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40			2100 @ 40	2100 @ 40	2100 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2100 @ 40				18
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2100 @ 40				19
20 Throttle Leakage-cc - pph	75 -		75 -	75 -	75 -	75 -	20
21 Throttle Travel-Auto., VS, Lever	28, -		28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600		10 @ 600	10 @ 600	10 @ 600	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 600		550 @ 600	550 @ 600	550 @ 600	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	152 @ 1800		152 @ 1800	145 @ 1800	145 @ 1800	145 @ 1800	25
26 Calibration Flow	770		770	700	700	700	26
27 Check Point (1) PSI @ RPM	123 - 129 @ 1500		123 - 129 @ 1500	119 - 125 @ 1500	119 - 125 @ 1500	119 - 125 @ 1500	27
28 Check Point (1) Flow	690		690	620	620	620	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848		.800 - 143848	.780 - 143848	.800 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	20 - 141629	20 - 141629	20 - 141629	25 - 141631	25 - 141631	25 - 141631	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	153237 - .000	153236 - .000	153237 - .000	153237 - .000	153237 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138790 - .010 -	138790 - .020 -	138790 - .020 -	138790 - .020 -	138790 - .020 -	138790 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims			109686 - .000				42
43 VS Gov. Idle Spring			138810				43
44 VS Gov. Weights			163826				44
45 VS Gov. Plunger			3018640				45
46 VS Gov. Sleeve			3014693				46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 136-150 PSI. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279632. USE WITH R.D.F. INJECTORS. FOR USE WITH WET MANIFOLDS. OUTBOARD AFTERCOOLED VERSION OF B873. SERVICE ONLY.
- (2) USE WITH CUMMINS N.C EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N.3279629. FUEL PRESSURE AT RAIL TO 130-143 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FOR USE WITH WET MANIFOLDS. OUTBOARD AFTERCOOLED VERSION OF B756. THIS CODE IS REPLACED BY B947.
- (3) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279592. FUEL PRESSURE AT RAIL TO BE 136-150 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED VERSION OF B628. AUTO GOV LEVER TRAVEL 26/30 DEG. SERVICE ONLY.
- (4) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279632. FUEL PRESSURE AT RAIL TO BE 153-155 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED VERSION OF B799. THIS CODE FOR SERVICE ONLY.
- (5) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM USE FUEL PUMP P/N 3279632. FUEL PRESSURE AT RAIL TO BE 132-146 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED VERSION OF B800.
- (6) USE WITH CUMMINS N.C EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279629. FUEL PRESSURE AT RAIL TO BE 137-152 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED VERSION OF B798. THIS CODE IS REPLACED BY B948.

1 Pump Code	B909-A	B910-A	B911-A	B912-A	B913-B	B914-B	1
2 Date - Control Parts List	JAN92 - 1300	DEC92 - 1300	FEB90 - 1300	FEB90 - 1300	FEB93 - 0844	APR93 - 1251	2
3 Test HP @ RPM	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1046 - 1055 @ 2100	1340 - 1353 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	146 - 162	141 - 155				164 - 181	5
6 Fuel Rate Pound Per Hour	366 - 388	366 - 388				434 - 461	6
7 Intake Manifold Press. In./Hg	53 - 59	53 - 59				56 - 66	7
8 Torque Rise % - Curve	7 - C-3642	7 - C-3642-C				7 - C-4574	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1930	1940 - 1960				1940 - 1960	11
12 VS/Sec. Gov. Setting-RPM		1840 - 1860					12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40					2100 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI						1966 @ 40	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2100 @ 40					18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2100 @ 40					19
20 Throttle Leakage-cc - pph	75 -	75 -				75 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -				28 -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600				10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600				500 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	154 @ 1800	152 @ 1800				172 @ 1800	25
26 Calibration Flow	700	700				850	26
27 Check Point (1) PSI @ RPM	119 - 125 @ 1500	125 - 131 @ 1500				146 - 152 @ 1500	27
28 Check Point (1) Flow	620	640				790	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848				.800 - 143848	33
34 Idle Plunger Code - Part No.	25 - 141631	25 - 141631	25 - 141631	25 - 141631	42 - 140923	15 - 139894	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	153236 - .000	153237 - .000	153237 - .000	143252 - .000	143253 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.070	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138790 - .020	138789 - .010	138790 - .020	138790 - .020	3002052 - .020	138791 - .020 - .620	41
42 VS Gov. Max. Spring - Ref. Shims		109686 - .000			109686 - .000		42
43 VS Gov. Idle Spring		138810			138810		43
44 VS Gov. Weights		163826			163826		44
45 VS Gov. Plunger		3018640			212350		45
46 VS Gov. Sleeve		3014693			3014693		46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-C-P-1050	KTA38-G3	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279626. FUEL PRESSURE AT RAIL TO BE 153-155 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED ENGINE. THIS CODE IS REPLACED BY B970.
- (2) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279592. FUEL PRESSURE AT RAIL TO BE 130-143 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED VERSION OF B796.
- (3) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279626. FUEL PRESSURE AT RAIL TO BE 153-155 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FOR USE WITH WET EXHAUST MANIFOLDS. OUTBOARD AFTERCOOLED ENGINE. THIS CODE IS REPLACED BY B971.
- (4) USE WITH CUMMINS N.C EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N.3279629. FUEL PRESSURE AT RAIL TO BE 132-146 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FOR USE WITH WET MANIFOLDS. OUTBOARD AFTERCOOLED VERSION OF B801. THIS CODE IS REPLACED BY B949.
- (5) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3075630. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 91-100 PSI. USE WITH 0.75 INCH PTG-GEAR PUMP. USE BIAS SPRING P.N. 3051071. USE WITH SMALL BORE THROTTLE SHAFT. THIS CODE OBSOLETE REPLACED BY BA05.
- (6) USE WITH WOODWARD GOVERNOR. USE FUEL PUMP P.N.3075834. FUEL PRESSURE AT RAIL TO BE 157-172 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FIRST USED ON S.O.93248.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B915-A - B920-A

1 Pump Code	B915-A	B916-B	B917-A	B918-A	B919-B	B920-A	
2 Date - Control Parts List	DEC92 - 1299	MAR92 - 1299	JAN92 - 1299	MAY91 - 1299	DEC92 - 1299	NOV92 - 1299	1
3 Test HP @ RPM	1200 - 1212 @ 1800	1200 - 1212 @ 1800	1200 - 1212 @ 1800	1200 - 1212 @ 1800	1200 - 1212 @ 1800	1200 - 1212 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	152 - 168	161 - 178	161 - 178	161 - 178	161 - 178		4
6 Fuel Rate Pound Per Hour	384 - 408	384 - 408	384 - 408	384 - 408	384 - 408		5
7 Intake Manifold Press. In./Hg	54 - 60	53 - 63	53 - 63	53 - 63	53 - 63		6
8 Torque Rise % - Curve	- C-4130	- C-4130	- C-4130	- C-4130	- C-4130		7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1910 - 1930	1910 - 1930	1910 - 1930	1910 - 1930	1940 - 1960		10
12 VS/Sec. Gov. Setting-RPM					1840 - 1860		11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2200 @ 40	2100 @ 40	2100 @ 6			13
15 Min. Auto. Gov. Check-RPM @ PSI		1980 @ 40					14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI					2100 @ 40		17
19 Min. VS/Sec. Gov. Check-RPM @ PSI					2100 @ 40		18
20 Throttle Leakage-cc - pph	75 -	75 -	75 -	75 -	110 - 12		19
21 Throttle Travel-Auto. - VS, Lev	28, -	28, -	28, -		28, -		20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	@ 600	10 @ 600		21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600		22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	163 @ 1800	163 @ 1800	163 @ 1800	163 @ 1800	163 @ 1800		24
26 Calibration Flow	800	800	800	800	800		25
27 Check Point (1) PSI @ RPM	122 - 128 @ 1500	122 - 128 @ 1500	122 - 128 @ 1500	122 - 128 @ 1500	122 - 128 @ 1500		26
28 Check Point (1) Flow	700	700	700	700	700		27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.800 - 143848		32
34 Idle Plunger Code - Part No.	25 - 141631	22 - 141630	25 - 141631	25 - 141631	25 - 141631	27 - 141632	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195		35
37 Auto. Gov. Spring - Ref. Shims	3000936 - .000	3000936 - .000	3000936 - .000	3000936 - .000	3000936 - .000	3001155 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height							40
42 VS Gov. Max. Spring - Ref. Shims					109686 - .000		41
43 VS Gov. Idle Spring					138810		42
44 VS Gov. Weights					163826		43
45 VS Gov. Plunger					3018640		44
46 VS Gov. Sleeve					3014693		45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency		1992 GEN					61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 147-162 PSI. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279632. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED VERSION OF B716.
- (2) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279629. FUEL PRESSURE AT RAIL TO BE 147-162 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED VERSION OF B714. SERVICE ONLY SEE B962.
- (3) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279626. FUEL PRESSURE AT RAIL TO BE 147-162 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED ENGINE. THIS CODE IS REPLACED BY B972.
- (4) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279632. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 146-163 PSI. OUTBOARD AFTERCOOLED VERSION OF B717. THIS CODE SERVICE ONLY.
- (5) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279592. FUEL PRESSURE AT RAIL TO BE 147-162 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED VERSION OF B623.
- (6) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279629. FUEL PRESSURE AT RAIL TO BE 160-169 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED VERSION OF B757. THIS CODE IS REPLACED BY B965.

1 Pump Code	B921-B	B922-A	B923-A	B924-B	B925-C	B926-A	1
2 Date - Control Parts List	NOV92 - 1300	NOV92 - 1300	DEC92 - 1300	FEB93 - 1300	DEC92 - 1300	NOV92 - 1300	2
3 Test HP @ RPM	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1176 - 1224 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	152 - 168	152 - 168			152 - 168		5
6 Fuel Rate Pound Per Hour	384 - 408	384 - 408			384 - 408		6
7 Intake Manifold Press. In./Hg	54 - 60	54 - 60			54 - 60		7
8 Torque Rise % - Curve	- C-4130	- C-4130			- C-4130		8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	1930 - 1950			1940 - 1960		11
12 VS/Sec. Gov. Setting-RPM					1840 - 1860		12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 6					14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI					2100 @ 40		18
19 Min. VS/Sec. Gov. Check-RPM @ PSI					2100 @ 40		19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12			110 - 12		20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -			28, -		21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600			10 @ 600		22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600			550 @ 600		23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	159 @ 1800	159 @ 1800			159 @ 1800		25
26 Calibration Flow	800	800			800		26
27 Check Point (1) PSI @ RPM	118 - 125 @ 1500	118 - 125 @ 1500			118 - 124 @ 1500		27
28 Check Point (1) Flow	700	700			700		28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848			.800 - 143848		33
34 Idle Plunger Code - Part No.	25 - 141631	25 - 141631	25 - 141631	25 - 141631	25 - 141631	27 - 141632	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3000936 - .000	3000936 - .000	3000936 - .000	3000936 - .000	3000936 - .000	3001155 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height							41
42 VS Gov. Max. Spring - Ref. Shims					109686 - .000		42
43 VS Gov. Idle Spring					138810		43
44 VS Gov. Weights					163826		44
45 VS Gov. Plunger					3018640		45
46 VS Gov. Sleeve					3014693		46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1992 GEN						62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279626. FUEL PRESSURE AT RAIL TO BE 143-158 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED ENGINE. SERVICE ONLY SEE B973.
- (2) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279632. FUEL PRESSURE AT RAIL TO BE 143-158 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED VERSION OF B793. THIS CODE SERVICE ONLY.
- (3) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 143-158 PSI. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3075665. USE WITH R.D.F. INJECTORS. THIS CODE IS OBSOLETE SEE BA61.
- (4) USE WITH CUMMINS N.C. EFC. GOVERNOR SYSTEM USE WITH FUEL PUMP P.N. 3279629 FUEL PRESSURE AT RAIL TO BE 143-157 PSI USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED VERSION OF B792. THIS CODE IS REPLACED BY B950.
- (5) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075666. FUEL PRESSURE AT RAIL TO BE 143-158 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. OUTBOARD AFTERCOOLED VERSION OF B790.
- (6) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279629. FUEL PRESSURE AT RAIL TO BE 160-169 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FIRST USED ON SO 94995. OUTBOARD AFTERCOOLED VERSION OF B795. THIS CODE IS REPLACED BY B951.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B927-C - B933-B

1 Pump Code	B927-C	B929-B	B930-E	B931-B	B932-C	B933-B	1
2 Date - Control Parts List	DEC92 - 0859	MAY91 - 1219	MAR92 - 1254	DEC92 - 0874	JAN93 - 0874	DEC92 - 0874	2
3 Test HP @ RPM	1194 - 1206 @ 1900	1850 - 1869 @ 1800	2220 - 2243 @ 1800	1621 - 1684 @ 1800	1621 - 1684 @ 1800	1621 - 1684 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	123 - 136	186 - 193	148 - 163	167 - 184	161 - 177	161 - 177	5
6 Fuel Rate Pound Per Hour	392 - 419	582 - 617	701 - 745	525 - 558	525 - 558	525 - 558	6
7 Intake Manifold Press. In./Hg	49 - 55	58 - 67	76 - 86	54 - 60	54 - 60	54 - 60	7
8 Torque Rise % - Curve	5 - P-4423	6 - C-4568	3 - C-4576	- C-4280	- C-4280-A	- C-4280-A	8
9 Torque Peak - PSI @ RPM			1058 - 1101 @				9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1920 - 1940	1990 - 2020	1910 - 1940	1920 - 1940	1920 - 1940	1920 - 1940	11
12 VS/Sec. Gov. Setting-RPM				1840 - 1860			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2300 @ 40	2150 @ 40	2100 @ 40		2100 @ 40	2100 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI			1980 @ 40				15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2100 @ 40			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2100 @ 40			19
20 Throttle Leakage-cc - pph	110 - 12	75 -	110 -	75 -	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28 -		28 -		28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725			10 @ 600	10 @ 600	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 725	550 @ 600	550 @ 750	550 @ 600	550 @ 600	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	127 @ 1900	185 @ 1800	155 @ 1800	167 @ 1800	167 @ 1800	167 @ 1800	25
26 Calibration Flow	840	1175	1290	920	920	920	26
27 Check Point (1) PSI @ RPM	93 - 99 @ 1500	160 - 166 @ 1500	123 - 129 @ 1500	125 - 131 @ 1500	125 - 131 @ 1500	125 - 131 @ 1500	27
28 Check Point (1) Flow	640	1100	1160	800	800	800	28
29 Check Point (2) PSI @ RPM	79 - 82 @ 1300						29
30 Check Point (2) Flow	525						30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.780 - 143848	- 143848	.780 - 143848	.800 - 143848	.800 - 143848	.780 - 143848	33
34 Idle Plunger Code - Part No.	42 - 140923	5 - 141623	10 - 141625	25 - 141631	25 - 141630	25 - 141630	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001156 - .000	3001147 - .000	153236 - .000	3000937 - .000	3000936 - .000	3000936 - .000	37
38 Gear Pump Size In.	1.000	1.250	1.250	1.250	1.250	1.250	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3009380	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	142697 - .010 -	138782 - .040 -	138769 - .020 - .670				41
42 VS Gov. Max. Spring - Ref. Shims				109686 - .000			42
43 VS Gov. Idle Spring				138810			43
44 VS Gov. Weights				163826			44
45 VS Gov. Plunger				3018640			45
46 VS Gov. Sleeve				3014693			46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1600 - 50						49
50 AFC Flow - pph	350						50
51 AFC Spring - Gage Height-In.	179826 -						51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 60						53
54 AFC No Air Flow	400						54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve			2000 GEN				61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA38-C	KTA50-G3	KTA50-G2	KTA50-G-GS-GC2	KTA50-G-GS-GC2	KTA50-G-GS-GC2	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3075616. FUEL PRESSURE AT RAIL TO BE USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070 SERVICE ONLY.
- (2) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P/N 3279630. USE WITH FUEL LINE CHECK VALVES. USE P.T.G. GUTLESS HOUSING. (AUTO). USE WITH "K" FAMILY R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 166-185 PSI(60HZ FUEL PRESSURE AT RAIL TO BE 144-160 PSI(50HZ INTAKE MANIFOLD PRESSURE 52-62 IN.HG (50HZ) THIS CODE SERVICE ONLY.
- (3) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM USE FUEL PUMP P.N. 3075537. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH INJECTOR P/N 3067393. FUEL PRESSURE AT RAIL TO BE 147-163 PSI(60HZ FUEL PRESSURE AT RAIL TO BE 122-135 PSI(50HZ INTAKE MANIFOLD PRESSURE 71-81 IN.HG (50HZ) THIS CODE SERVICE ONLY SEE B457.
- (4) USE WITH W/VV PS6 MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279588. FUEL PRESSURE AT RAIL TO BE 160-172 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS.
- (5) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075662. FUEL PRESSURE AT RAIL TO BE 160-172 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. SERVICE ONLY.
- (6) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075537. FUEL PRESSURE AT RAIL TO BE 160-172 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS.

1 Pump Code	B934-A	B935-A	B936-A	B937-A	B938-B	B939-A	1
2 Date - Control Parts List	AUG92 - 0874	AUG89 - 0874	FEB91 - 1219	DEC92 - 0872	FEB93 - 0844	AUG92 - 0809	2
3 Test HP @ RPM	1621 - 1684 @ 1800	1621 - 1684 @ 1800	1735 - 1804 @ 1500	1103 - 1115 @ 1500	1046 - 1055 @ 2100	875 - 885 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	161 - 177	161 - 177	168 - 186	128 - 142	101 - 111		5
6 Fuel Rate Pound Per Hour	525 - 558	525 - 558	547 - 580	364 - 368	357 - 384		6
7 Intake Manifold Press. In./Hg	54 - 60	54 - 60	57 - 67	48 - 56	47 - 51		7
8 Torque Rise % - Curve	- C-4280	- C-4280	- C-4567	- P-4104-B	30 - C-4417-A		8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1930	1910 - 1930	1680 - 1700	1640 - 1660	2220 - 2240		11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40	1800 @ 40	1800 @ 40	2300 @ 40		14
15 Min. Auto. Gov. Check-RPM @ PSI				1700 @ 40			15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 - 12	75 -	75 -		110 - 12		20
21 Throttle Travel-Auto., VS, Lev	28, -			28, -	28, -		21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600		10 @ 700	10 @ 725		22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 700	550 @ 725		23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	171 @ 1800	167 @ 1800	180 @ 1500	128 @ 1500	103 @ 2100		25
26 Calibration Flow	920	920	1100	720	680		26
27 Check Point (1) PSI @ RPM	129 - 135 @ 1500	125 - 131 @ 1500		113 - 119 @ 1400	84 - 87 @ 1500		27
28 Check Point (1) Flow	800	800		690	600		28
29 Check Point (2) PSI @ RPM				102 - 108 @ 1300	73 - 79 @ 1300		29
30 Check Point (2) Flow				650	560		30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	- 143848	.780 - 143848	.800 - 143848		33
34 Idle Plunger Code - Part No.	22 - 141630	25 - 141631	5 - 141623	20 - 141629	37 - 140418	27 - 141632	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3000937 - .000	3000937 - .000	3001147 - .000	153237 - .000	3001147 - .000	3000936 - .000	37
38 Gear Pump Size In.	1.250	1.250	1.250	1.000	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height					3002050 - .020 -		41
42 VS Gov. Max. Spring - Ref. Shims						109686 - .000	42
43 VS Gov. Idle Spring						138810	43
44 VS Gov. Weights						163826	44
45 VS Gov. Plunger						212351	45
46 VS Gov. Sleeve						3014693	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.					179824 -		51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-G-GS-GC2	KTA50-G-GS-GC2	KTA50-G4	KTIA38-C-1109	KTA38-C-P-1050	KT38-C-880	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N.3279630. FUEL PRESSURE AT RAIL TO BE 160-172 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. THIS CODE IS FOR SERVICE ONLY.
- (2) USE WITH W/W PSG GOVERNOR SYSTEM. USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH FUEL PUMP P.N. 3279630 USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 160-172 PSI. USE WITH R.D.F. INJECTORS.
- (3) USE WITH WOODWARD 2301 ELECT GOVERNOR SYSTEM USE WITH FUEL PUMP P.N. 3279630. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS P/N 3279719. FUEL PRESSURE AT RAIL TO BE 157-175 PSI. SERVICE ONLY NOT ENGINE TESTED.
- (4) USE FUEL PUMP P.N. 3075612. FUEL PRESSURE AT RAIL TO BE 114-126 PSI. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH FUEL LINE C/VALVES ONLY. USE WITH R.D.F. INJECTORS. FOR USE WITH N/O E.F.C. GOVERNOR SYSTEM. FIRST USED ON S/AO 97523. E.F.C./A.F.C.PACER VERSION IS B523.
- (5) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N 3279640. FOR USE WITH R.D.F. INJECTORS. USE WITH 0.75 INCH PTG GEAR PUMP. SERVICE ONLY SEE BB02.
- (6) USE FUEL PUMP P.N. 3279715. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. 880 BHP AT 1800 RPM. THIS PUMP NO LONGER USED. REPLACED BY B977.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B942-B - B948-C

1 Pump Code	B942-B	B943-D	B944-B	B945-C	B947-A	B948-C	1
2 Date - Control Parts List	DEC92 - 0869	AUG92 - 1254	MAR93 - 0869	DEC92 - 1299	AUG92 - 1299	DEC92 - 1300	2
3 Test HP @ RPM	1194 - 1206 @ 2100	2220 - 2243 @ 1800	1194 - 1206 @ 2100	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	165 - 183	148 - 163	156 - 173	145 - 160		145 - 160	5
6 Fuel Rate Pound Per Hour	412 - 439	701 - 745	406 - 432	370 - 395		370 - 395	6
7 Intake Manifold Press. In./Hg	43 - 63	76 - 86	42 - 50	50 - 60		50 - 60	7
8 Torque Rise % - Curve	10 - P-4076	3 - C-4576-A	10 - P-4153	1 - C-3642		1 - C-3642	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2120 - 2140	1910 - 1940	2200 - 2220	1930 - 1950		1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM			2130 - 2150				12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2300 @ 40	2200 @ 40		2100 @ 40		2100 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI		2000 @ 40		1980 @ 40		1980 @ 40	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2300 @ 40				18
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2300 @ 40				19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12		110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -		28 -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 725	10 @ 725	10 @ 600		10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 725	550 @ 725	550 @ 725	550 @ 600		550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc			@ 725 - 550				24
25 Calibration PSI @ RPM	172 @ 2100	155 @ 1800	172 @ 2100	152 @ 1800		152 @ 1800	25
26 Calibration Flow	810	1290	810	740		740	26
27 Check Point (1) PSI @ RPM	111 - 117 @ 1500	123 - 129 @ 1500	111 - 117 @ 1500	125 - 131 @ 1500		125 - 131 @ 1500	27
28 Check Point (1) Flow	650	1160	650	680		680	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.780 - 143848	.780 - 143848	.800 - 143848	.780 - 143848		.780 - 143848	33
34 Idle Plunger Code - Part No.	42 - 140923	10 - 141625	35 - 140922	25 - 141631	20 - 141629	25 - 141631	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001158 - .000	153236 - .000	3001158 - .000	153237 - .000	153237 - .000	153237 - .000	37
38 Gear Pump Size In.	.750	1.250	.750	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3009380	3010810	3009380	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	142697 - .000 -	138769 - .020 - .670	142697 - .000 -	138767 - .010 -	138790 - .020 -	138786 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims			109686 - .000				42
43 VS Gov. Idle Spring			138810				43
44 VS Gov. Weights			163826				44
45 VS Gov. Plunger			3018640				45
46 VS Gov. Sleeve			3014693				46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1600 - 34		1600 - 34				49
50 AFC Flow - pph	320		320				50
51 AFC Spring - Gage Height-In.	179826 -		179826 -				51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 53		1600 - 53				53
54 AFC No Air Flow	420		420				54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly				3063505		3063505	59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	9998 LDCO	2000 GEN					62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA38-L-1200	KTA50-G2	KTA38-P-1200	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P/N 3279716. USE WITH R.D.F. INJECTORS. FOR USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE BIAS SPRING P.N. 3051070. SERVICE ONLY.
- (2) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075537. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH "K" FAMILY R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 147-163 PSI(60HZ FUEL PRESSURE AT RAIL TO BE 122-135 PSI(50HZ INTAKE MANIFOLD PRESSURE 71-81 IN.HG (50HZ) THIS CODE SERVICE ONLY SEE BA60.
- (3) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279715. USE WITH 0.75 INCH PTG GEAR PUMP. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070.
- (4) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075529. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B898.
- (5) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279628. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FOR USE WITH WET MANIFOLDS. THIS CODE REPLACES B904.
- (6) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075529. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B908.

1 Pump Code	B949-A	B950-B	B951-A	B952-B	B953-B	B954-C	
2 Date - Control Parts List	AUG92 - 1300	DEC92 - 1300	AUG92 - 1300	DEC92 - 0864	DEC92 - 0864	DEC92 - 0864	1
3 Test HP @ RPM	1135 - 1146 @ 1800	1200 - 1212 @ 1800	1176 - 1224 @ 1800	1176 - 1224 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI		158 - 175		161 - 178	144 - 159	144 - 159	4
6 Fuel Rate Pound Per Hour		388 - 412		384 - 408	366 - 388	368 - 392	5
7 Intake Manifold Press. In./Hg		54 - 64		53 - 63	50 - 60	50 - 60	6
8 Torque Rise % - Curve		3 - C-4130		- C-4130	1 - C-3642	1 - C-3642	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM		1930 - 1950		1910 - 1930	1930 - 1950	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2100 @ 40		2100 @ 40	2100 @ 40	2100 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI		1980 @ 40		1980 @ 40	1980 @ 40	2000 @ 40	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph		110 - 12		110 - 12	110 - 12	110 - 12	19
21 Throttle Travel-Auto., VS, Lev		28, -		28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.		10 @ 600		10 @ 600	10 @ 600	10 @ 600	21
23 Idle Speed cc @ RPM-Auto.		550 @ 600		550 @ 600	550 @ 600	550 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM		166 @ 1800		163 @ 1800	152 @ 1800	152 @ 1800	24
26 Calibration Flow		750		750	770	740	25
27 Check Point (1) PSI @ RPM		125 - 131 @ 1500		122 - 128 @ 1500	127 - 133 @ 1500	125 - 131 @ 1500	26
28 Check Point (1) Flow		650		650	710	680	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring		.780 - 143848		.780 - 143848	.780 - 143848	.780 - 143848	32
34 Idle Plunger Code - Part No.	25 - 141631	27 - 141632	27 - 141632	25 - 141631	20 - 141629	25 - 141631	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	3000936 - .000	3001155 - .000	3000936 - .000	153237 - .000	153237 - .090	36
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	1.000	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138790 - .020 -				138790 - .010 -	138787 - .020 - .620	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly				3063511	3063511		58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency		2000 GEN					61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-G-GS-GC1	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC1	KTA38-G-GS-GC1	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH CUMMINS N.C EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279628. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FOR USE WITH WET MANIFOLDS. THIS CODE REPLACES B912.
- (2) USE WITH CUMMINS N.C. EFC. GOVERNOR SYSTEM USE FUEL PUMP P.N. 3075529. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B924.
- (3) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279628. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B926.
- (4) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3077046. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B715.
- (5) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3077046. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B719.
- (6) USE WITH CUMMINS N.C EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N.3075529. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B718. FUEL PRESSURE AT RAIL TO BE 140-155 PSI.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B955-B - B960-B

1 Pump Code	B955-B	B956-C	B957-B	B958-B	B959-C	B960-B	2
2 Date - Control Parts List	JAN93 - 0900	DEC92 - 0866	MAR93 - 0851	MAR93 - 0852	DEC92 - 0851	DEC92 - 0852	3
3 Test HP @ RPM	980 - 1020 @ 1800	1135 - 1146 @ 1800	1176 - 1224 @ 1800	1176 - 1224 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	4
4 Governed Speed-RPM							5
5 Engine Fuel PSI	170 - 183	141 - 155	152 - 168	149 - 164	144 - 159	141 - 155	6
6 Fuel Rate Pound Per Hour	326 - 346	381 - 406	388 - 412	388 - 412	364 - 388	366 - 388	7
7 Intake Manifold Press. In./Hg	39 - 43	42 - 50	52 - 62	46 - 50	50 - 60	45 - 49	8
8 Torque Rise % - Curve	3 - C-3641	1 - C-3642	3 - C-4130	- C-4130	1 - C-3642	1 - C-3642	9
9 Torque Peak - PSI @ RPM							10
10 Cranking Fuel Press.-PSI @ RPM							11
11 Auto. Gov. Setting-RPM	1910 - 1930	1930 - 1950	1910 - 1930	1930 - 1950	1910 - 1940	1930 - 1950	12
12 VS/Sec. Gov. Setting-RPM							13
13 Cruise Speed-PSI @ RPM							14
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40	2200 @ 40	2200 @ 40	2100 @ 40	2100 @ 40	15
15 Min. Auto. Gov. Check-RPM @ PSI		2000 @ 40	2000 @ 40	1990 @ 40		1980 @ 40	16
16 RS Gov. Setting-PSI @ RPM							17
17 Low RS Gov. Setting-RPM							18
18 Max. VS/Sec. Gov. Check-RPM @ PSI							19
19 Min. VS/Sec. Gov. Check-RPM @ PSI							20
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	21
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	22
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	23
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	24
24 VS/Sec. Gov. Idle PSI @ RPM - cc							25
25 Calibration PSI @ RPM	177 @ 1800	152 @ 1800	159 @ 1800	156 @ 1800	152 @ 1800	145 @ 1800	26
26 Calibration Flow	600	740	800	750	750	700	27
27 Check Point (1) PSI @ RPM	137 - 143 @ 1500	125 - 131 @ 1500	118 - 125 @ 1500	119 - 125 @ 1500	123 - 129 @ 1500	119 - 125 @ 1500	28
28 Check Point (1) Flow	530	680	700	670	670	620	29
29 Check Point (2) PSI @ RPM							30
30 Check Point (2) Flow							31
31 Check Point (3) PSI @ RPM							32
32 Check Point (3) Flow							33
33 Weight Assist Setting - Spring	.800 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	.800 - 143848	.780 - 143848	34
34 Idle Plunger Code - Part No.	27 - 141632	25 - 141631	25 - 141631	27 - 141632	25 - 141631	27 - 141632	35
35 Fuel Pump Housing							36
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	37
37 Auto. Gov. Spring - Ref. Shims	153236 - .000	153237 - .000	3000936 - .000	3001155 - .000	153237 - .000	153237 - .000	38
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	1.000	39
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	40
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	41
41 Torque Spring - Shims - Gage Height		138787 - .020 - .620			138787 - .000 -	138796 - .040 - .590	42
42 VS Gov. Max. Spring - Ref. Shims							43
43 VS Gov. Idle Spring							44
44 VS Gov. Weights							45
45 VS Gov. Plunger							46
46 VS Gov. Sleeve							47
47 AFC Barrel & Plunger Assembly							48
48 AFC In./Hg - PSI							49
49 AFC RPM - PSI							50
50 AFC Flow - pph							51
51 AFC Spring - Gage Height-In.							52
52 AFC Bias Spring							53
53 AFC No Air RPM - PSI							54
54 AFC No Air Flow							55
55 ASA Valve							56
56 TMD Set with ST589 - Shims							57
57 TMD Spring							58
58 TMD Plunger							59
59 EFC Assembly							60
60 PT Pacer Assembly							61
61 Fuel Line Check Valve		2000 GEN			2000 GEN	2000 GEN	62
62 Certified Year/Agency							63
63 Certified Year/Agency							64
64 Certified Year/Agency							65
65 Certified Year/Agency							66
66 Engine Model	KT38-G-GS-GC	KTA38-G-GS-GC1	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC1	KTA38-G-GS-GC1	67
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	

NOTES

- (1) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279628. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FOR USE WITH WET MANIFOLDS THIS CODE REPLACES B748. SERVICE ONLY.
- (2) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075529. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FOR USE WITH WET MANIFOLDS. THIS CODE REPLACES B756.
- (3) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075529. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B792.
- (4) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075529. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B795.
- (5) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075529. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B798.
- (6) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279628. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FOR USE WITH WET MANIFOLDS. THIS CODE REPLACES B801.

1 Pump Code	B961-B	B962-C	B963-C	B964-C	B965-A	B966-B	1
2 Date - Control Parts List	DEC92 - 0889	DEC92 - 1299	DEC92 - 0866	DEC92 - 0864	AUG92 - 1299	DEC92 - 0851	2
3 Test HP @ RPM	824 - 832 @ 1200	1200 - 1212 @ 1800	1176 - 1224 @ 1800	1200 - 1212 @ 1800	1200 - 1212 @ 1800	1176 - 1224 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	99 - 108	163 - 180	157 - 173	158 - 175		152 - 168	5
6 Fuel Rate Pound Per Hour	265 - 282	332 - 417	388 - 412	388 - 412		384 - 408	6
7 Intake Manifold Press. In./Hg	48 - 58	58 - 64	52 - 58	52 - 62		52 - 62	7
8 Torque Rise % - Curve	- C-4369	- C-4130	- C-4130	- C-4130		- C-4130	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1310 - 1340	1930 - 1950	1920 - 1940	1930 - 1950		1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	1400 @ 40	2200 @ 40	2100 @ 40	2100 @ 40		2100 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI		2000 @ 40		1968 @ 40		1980 @ 40	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	75 - 8	110 - 12	110 - 12	110 - 12		75 - 8	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -		28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600		10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600		550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	100 @ 1200	172 @ 1800	163 @ 1800	163 @ 1800		159 @ 1800	25
26 Calibration Flow	520	750	750	750		800	26
27 Check Point (1) PSI @ RPM		131 - 137 @ 1500	122 - 128 @ 1500	122 - 128 @ 1500		118 - 125 @ 1500	27
28 Check Point (1) Flow		650	650	650		700	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143848	.800 - 143848	.780 - 143848		.780 - 143848	33
34 Idle Plunger Code - Part No.	15 - 139894	27 - 141632	27 - 141632	27 - 141632	27 - 141632	25 - 141631	34
35 Fuel Pump Housing				3279620			35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3004751 - .000	3000936 - .000	3000936 - .000	3000936 - .000	3001155 - .000	3000936 - .000	37
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height							41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly						3063511	59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency		2000 GEN					62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3075529. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B883. F/PUMP THROTTLE TO BE LOCKED OPEN AFTER TEST
- (2) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N.3075529. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B916.
- (3) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075529. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B757.
- (4) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N.3075529. USE BUSHED GEAR PUMP P/N 3034245. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B714.
- (5) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279628. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B920.
- (6) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N.3077046. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B791.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B967-A - B972-B

1 Pump Code	B967-A	B968-B	B969-B	B970-B	B971-A	B972-B	
2 Date - Control Parts List	DEC92 - 0851	DEC92 - 0852	DEC92 - 1299	DEC92 - 1300	FEB90 - 1300	DEC92 - 1300	1
3 Test HP @ RPM	1113 - 1158 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	1135 - 1146 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	146 - 162	144 - 159	144 - 159	146 - 162			4
6 Fuel Rate Pound Per Hour	366 - 389	366 - 389	364 - 389	366 - 389			5
7 Intake Manifold Press. In./Hg	53 - 59	43 - 48	50 - 60	53 - 59			6
8 Torque Rise % - Curve	7 - C-3642	1 - C-3642	1 - C-3642	7 - C-3642			7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1910 - 1930	1930 - 1950	1930 - 1950	1930 - 1950			10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40	2100 @ 40	2100 @ 40			13
15 Min. Auto. Gov. Check-RPM @ PSI		1980 @ 40	1980 @ 40	1980 @ 40			14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	75 - 8	110 - 12			19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -			20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600			21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600			22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	154 @ 1800	154 @ 1800	152 @ 1800	154 @ 1800			24
26 Calibration Flow	700	700	770	700			25
27 Check Point (1) PSI @ RPM	119 - 125 @ 1500	119 - 125 @ 1500	127 - 133 @ 1500	119 - 125 @ 1500			26
28 Check Point (1) Flow	620	620	710	620			27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143848	.780 - 143848	.780 - 143848	.780 - 143848			32
34 Idle Plunger Code - Part No.	25 - 141631	25 - 141631	25 - 141631	25 - 141631	25 - 141631	25 - 141631	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	153237 - .000	153237 - .000	153237 - .000	153237 - .000	153237 - .000	36
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	1.000	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138790 - .020 -	138790 - .020 -	138790 - .010 -	138786 - .020 -	138790 - .020 -	138790 - .020 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-in.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly		3063511	3063511	3063511		3063511	58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency						1992 GEN	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	KTA38-G-GS-GC1	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279625. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B797.
- (2) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3077046. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FOR USE WITH WET EXHAUST MANIFOLDS. THIS CODE REPLACES B858.
- (3) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3077046. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B899. OUTBOARD AFTERCOOLED ENGINE.
- (4) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3077046. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B909. OUTBOARD AFTERCOOLED ENGINE.
- (5) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279625. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FOR USE WITH WET EXHAUST MANIFOLDS. THIS CODE REPLACES B911. OUTBOARD AFTERCOOLED ENGINE.
- (6) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3077046. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FOR USE WITH WET EXHAUST MANIFOLDS. THIS CODE OBSOLETE.

1 Pump Code	B973-B	B974-B	B975-B	B977-E	B978-B	B979-C	
2 Date - Control Parts List	MAR93 - 1300	DEC92 - 0866	FEB93 - 0869	MAR93 - 0809	AUG92 - 0872	JUN93 - 0859	1
3 Test HP @ RPM	1135 - 1146 @ 1800	1135 - 1146 @ 1800	995 - 1005 @ 1800	875 - 885 @ 1800	1343 - 1357 @ 2100	1044 - 1055 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	152 - 168	141 - 155		138 - 152	187 - 207	96 - 107	4
6 Fuel Rate Pound Per Hour	388 - 412	366 - 388		289 - 309	483 - 511	344 - 368	5
7 Intake Manifold Press. In./Hg	54 - 60	40 - 48		37 - 45	66 - 74	40 - 48	6
8 Torque Rise % - Curve	- C-4130	1 - C-3642		5 - C-4203	15 - P-4566-A	12 - P-4424	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	1930 - 1950		1940 - 1960	2120 - 2140	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM				1840 - 1860		1830 - 1850	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40		2150 @ 40	2300 @ 40	2200 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI	1980 @ 40	1980 @ 40		2050 @ 40	2180 @ 40	1980 @ 40	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2025 @ 40		2100 @ 40	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI				1925 @ 40		1880 @ 40	18
20 Throttle Leakage-cc - pph	75 - 8	75 - 8		110 - 12	110 - 12	110 - 12	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -		28, 18 - 1	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600		10 @ 725	10 @ 725	10 @ 725	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600		550 @ 725	550 @ 725	550 @ 725	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc				@ 725 - 550	@ 725 - 550	@ 725 - 550	23
25 Calibration PSI @ RPM	153 @ 1800	152 @ 1800		148 @ 1800	194 @ 2100	100 @ 1800	24
26 Calibration Flow	800	770		620	850	700	25
27 Check Point (1) PSI @ RPM	118 - 125 @ 1500	123 - 129 @ 1500		113 - 119 @ 1500	120 - 126 @ 1500	76 - 82 @ 1300	26
28 Check Point (1) Flow	700	690		550	690	620	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.780 - 143848	.780 - 143848		.760 - 143854	.800 - 143848	.780 - 143848	32
34 Idle Plunger Code - Part No.	25 - 141631	25 - 141631	27 - 141632	25 - 141631	30 - 141633	32 - 141634	33
35 Fuel Pump Housing					3279603		34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3000936 - .000	153237 - .000	3000937 - .000	3000936 - .090	3001157 - .000	153235 - .000	36
38 Gear Pump Size In.	1.000	1.000	.750	.750	1.000	1.000	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3009380	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height		.138790 - .010	.142699 - .000			.3053161 - .050 - .600	40
42 VS Gov. Max. Spring - Ref. Shims				109686 - .000		109686 - .000	41
43 VS Gov. Idle Spring				138810		138810	42
44 VS Gov. Weights				163826		163826	43
45 VS Gov. Plunger				212351		3018640	44
46 VS Gov. Sleeve			3014693	3014693		3014693	45
47 AFC Barrel & Plunger Assembly				3058944	3058944	3058944	46
48 AFC in./Hg - PSI							47
49 AFC RPM - PSI				1600 - 55	1600 - 30	1600 - 30	48
50 AFC Flow - pph				370	330	360	49
51 AFC Spring - Gage Height-In.				179828 -	179832 -	179824 -	50
52 AFC Bias Spring				3051071	3051070		51
53 AFC No Air RPM - PSI				1600 - 60	1600 - 65	1600 - 36	52
54 AFC No Air Flow				390	500	400	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly	3063511	3063511					58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency			1992 CONS	2000 CONS		1999 CONS	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-G-GS-GC2	KTA38-G-GS-GC1	KTA38-C-1000	KT38-C-880	KT38-C-880	KTA38-C	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3077046. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B921.
- (2) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3077046. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FOR USE WITH WET MANIFOLDS. THIS CODE REPLACES B940.
- (3) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279640. USE WITH N.O. EFC. USE WITH R.D.F. INJECTORS. USE SMALL BORE THROTTLE SHAFT P/N 3046680. THIS CODE OBSOLETE SEE B996.
- (4) USE FUEL PUMP P.N. 3075630. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. 880 BHP AT 1800 RPM. USE SMALL BORE THROTTLE SHAFT P.N. 3046680. THIS CODE REPLACES B939.
- (5) USE FUEL PUMP P.N. 3075616. USE WITH FUEL LINE CHECK VALVES. USE WITH K FAMILY R.D.F. INJECTORS. FIRST USED ON S/O 97451.
- (6) USE FUEL PUMP P.N. 3075626. FUEL PRESSURE AT RAIL TO BE 90-100 PSI. USE WITH FUEL LINE C/VALVES ONLY. FIRST USED ON S/O 93982. USE BIAS SPRING P/N 3051070.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B980-C - B986-D

1 Pump Code	B980-C	B981-B	B982-D	B984-D	B985-A	B986-D	
2 Date - Control Parts List	DEC92 - 0869	DEC92 - 0878	FEB93 - 0844	NOV92 - 0859	DEC92 - 0869	MAR93 - 0977	1
3 Test HP @ RPM	1094 - 1105 @ 1800	1592 - 1609 @ 1900	1046 - 1055 @ 2100	1194 - 1206 @ 2100	1044 - 1055 @ 2100	1224 - 1275 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	133 - 146	128 - 142	103 - 114	118 - 131	152 - 168	147 - 162	4
6 Fuel Rate Pound Per Hour	368 - 392	525 - 558	362 - 386	421 - 443	421 - 443	412 - 439	5
7 Intake Manifold Press. In./Hg	40 - 48	55 - 61	47 - 57	50 - 55	50 - 60	34 - 42	6
8 Torque Rise % - Curve	2 - 0-0000	4 - P-4355-A	30 - C-4417-A	15 - P-4424	11 - P-4153	10 - M-6026	7
9 Torque Peak - PSI @ RPM					- @ 1400		8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1840 - 1860	2030 - 2050	2280 - 2300	2230 - 2250	2195 - 2215	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM				2140 - 2160	2130 - 2150	1830 - 1850	11
13 Cruise Speed-PSI @ RPM			90 - 94 @ 2250				12
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2200 @ 40	2600 @ 40	2500 @ 15			13
15 Min. Auto. Gov. Check-RPM @ PSI		2080 @ 40	2440 @ 40	2400 @ 15			14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2440 @ 40	2400 @ 15	2300 @ 40	2100 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2320 @ 40	2300 @ 15	2300 @ 40	2100 @ 15	18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	19
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28, 12 -	28, 18 -	28, 18 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 725	10 @ 725	10 @ 750	10 @ 725	10 @ 600	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 725	550 @ 725	550 @ 750	550 @ 725	550 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc			@ 725 - 550	@ 750 - 550		@ 600 - 550	23
25 Calibration PSI @ RPM	137 @ 1800	134 @ 1900	105 @ 2100	125 @ 2100	140 @ 2100	155 @ 1800	24
26 Calibration Flow	680	1010	720	800	710	850	25
27 Check Point (1) PSI @ RPM	102 - 108 @ 1500	98 - 104 @ 1500	70 - 76 @ 1300	69 - 75 @ 1300	79 - 85 @ 1400	136 - 142 @ 1500	26
28 Check Point (1) Flow	590	880	600	600	545	810	27
29 Check Point (2) PSI @ RPM			47 - 55 @ 1000				28
30 Check Point (2) Flow			465				29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143848	.780 - 143848	.760 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	32
34 Idle Plunger Code - Part No.	32 - 141634	27 - 141632	40 - 137370	35 - 140922	45 - 138862	15 - 139894	33
35 Fuel Pump Housing			3077032	3075634		3080511	34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3001155 - .000	3001156 - .090	3000938 - .133	3001155 - .000	3001157 - .000	143254 - .000	36
38 Gear Pump Size In.	.750	1.250	1.000	.750	.750	1.250	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3009380	3009380	3009380	3010810	39
41 Torque Spring - Shims - Gage Height		142696 - .010 - .660	3053169 - .110 - .611	142870 - .030 - .730	142696 - .020 -	138791 - .020 -	40
42 VS Gov. Max. Spring - Ref. Shims			109690 - .000	109686 - .000	109686 - .000	109686 - .000	41
43 VS Gov. Idle Spring			138810	138810	138810	138810	42
44 VS Gov. Weights			163826	163826	163826	163826	43
45 VS Gov. Plunger			3278180	3278180	3018640	212350	44
46 VS Gov. Sleeve		3014693	3014693	3014693	3014693	3014693	45
47 AFC Barrel & Plunger Assembly			3058944	3058944		3058944	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1600 - 42		1600 - 25	1600 - 28	1600 - 44	1600 - 37	48
50 AFC Flow - pph	350		350	340	400	380	49
51 AFC Spring - Gage Height-In.	179826 -		179826 -	179826 -	179826 -	179826 -	50
52 AFC Bias Spring			3051071	3051070	3051070	3051071	51
53 AFC No Air RPM - PSI	1600 - 53		1600 - 41	1600 - 40	1600 - 50	1600 - 56	52
54 AFC No Air Flow	400		420	430	425	480	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	9998 LOCO	2000 CONS	2002 CONS			2000 MAR	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-L-1100	KTA50-C-1600	KTA38-C-P-1050	KTA38-C-P-L-1200	KTA38-C-P-L-1050	KTA50-M	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE FUEL PUMP P.N.3075624. FUEL PRESSURE AT RAIL TO BE 123-137 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P/N 3051071. FIRST USED ON S/O 93732, BRUSH ELECTRIC. CUSTOMER SUPPLIED GOV. SYSTEM.
- (2) USE FUEL PUMP P.N. 3075605. USE WITH N.O. EFC. USE WITH 1.25 INCH PTG GEAR PUMP. USE WITH R.D.F. H.V.T. INJECTORS FIRST USED ON SO-75533. E.F.C./A.F.C. PACER VERSION IS B520.
- (3) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3077031. AT 800 RPM TRIM ON AUTO PACK 36 PSI 385 LB/H USE SMALL BORE THROTTLE SHAFT P/N 3046680. THIS CODE REPLACES B897. SERVICE ONLY SEE BA97.
- (4) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075633. FUEL PRESSURE AT RAIL TO BE 114-125 PSI. USE WITH R.D.F. INJECTORS. THIS CODE IS FOR SERVICE ONLY. REPLACED BY BA42. USE V.S.PLUNGER P.N.3278180.
- (5) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279715. USE WITH 0.75 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 127-140 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. FIRST USED ON S/O 93690.
- (6) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3080512. FUEL PRESSURE AT RAIL TO BE 143-158 PSI. USE WITH WET EXHAUST MANIFOLDS. USE WITH R.D.F. INJECTORS P.N.3053126. USE BIAS SPRING P.N.3051071 THIS CODE FOR LOCKHEED ONLY.

1 Pump Code	B987-A	B988-A	B989-B	B990-D	B991-A	B992-B	
2 Date - Control Parts List	AUG92 - 0478	AUG92 - 0851	AUG92 - 0851	AUG92 - 0872	MAY93 - 0859	DEC92 - 0901	1
3 Test HP @ RPM	1387 - 1402 @ 1800	1176 - 1224 @ 1800	1176 - 1224 @ 1800	1343 - 1357 @ 2100	1194 - 1206 @ 2100	855 - 865 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel-PSI	211 - 234	152 - 168	152 - 168	183 - 202	120 - 132	145 - 160	4
6 Fuel Rate Pound Per Hour	452 - 478	384 - 408	384 - 408	485 - 516	401 - 425	298 - 315	5
7 Intake Manifold Press. In./Hg	63 - 69	54 - 60	52 - 62	61 - 71	52 - 57	46 - 51	6
8 Torque Rise % - Curve	3 - C-4130	- C-4130	- C-4130	15 - P-4104	10 - P-4424	25 - A-NONE	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1920 - 1940	1930 - 1950	1930 - 1950	2200 - 2220	2120 - 2140	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM				2140 - 2160			11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40	2100 @ 40	2500 @ 40	2300 @ 40	2300 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI				2400 @ 40		2200 @ 40	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2400 @ 40			17
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2200 @ 40			18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	19
21 Throttle Travel-Auto., VS, Lev.	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 725	10 @ 725	10 @ 725	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 725	550 @ 725	550 @ 725	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc				@ 725 - 550			23
25 Calibration PSI @ RPM	220 @ 1800	159 @ 1800	159 @ 1800	194 @ 2100	130 @ 2100	153 @ 2100	24
26 Calibration Flow	980	800	800	830	790	600	25
27 Check Point (1) PSI @ RPM	176 - 182 @ 1500	118 - 125 @ 1500	118 - 124 @ 1500	122 - 128 @ 1500	91 - 97 @ 1500	107 - 113 @ 1500	26
28 Check Point (1) Flow	890	700	700	680	670	510	27
29 Check Point (2) PSI @ RPM					71 - 77 @ 1300		28
30 Check Point (2) Flow					570		29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	800 - 143848	800 - 143848	800 - 143848	780 - 143848	800 - 143848	790 - 143848	32
34 Idle Plunger Code - Part No.	10 - 141625	25 - 141631	25 - 141631	27 - 141632	42 - 140923	30 - 141633	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	153236 - .000	3000936 - .000	3000936 - .000	3001160 - .130	143251 - .000	143251 - .000	36
38 Gear Pump Size In.	1.250	1.000	1.000	1.000	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3009380	3010810	39
41 Torque Spring - Shims - Gage Height	138768 - .000			142697 - .020 - .670	138780 - .040	138780 - .020	40
42 VS Gov. Max. Spring - Ref. Shims				109686 - .000			41
43 VS Gov. Idle Spring				136810			42
44 VS Gov. Weights				163826			43
45 VS Gov. Plunger				3278183			44
46 VS Gov. Sleeve	3014693			3014693			45
47 AFC Barrel & Plunger Assembly				3058944		3058944	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI				1600 - 30	1600 - 28	1600 - 80	48
50 AFC Flow - pph				300	320	400	49
51 AFC Spring - Gage Height-In.				179836 -	179828 -	179824 -	50
52 AFC Bias Spring				3051071			51
53 AFC No Air RPM - PSI				1600 - 52	1600 - 40	1600 - 86	52
54 AFC No Air Flow				450	420	455	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency				2000 CONS			61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-G-GS-GC2	KTA38-C-1350	KTA38-C-P-L-1200	KT38-C-860	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE FUEL PUMP P.N.3279638 FUEL PRESSURE AT RAIL TO BE 201-221 PSI. USE WITH FUEL LINE CHECK VALVES. USE 3053124 R.D.F. INJECTORS. FOR USE WITH E.F.C. N.O.GOVERNOR SPECIAL FOR FERMONT ONLY. THIS CODE NOT ENGINE TESTED TO DATE.
- (2) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P/N 3279631. FUEL PRESSURE AT RAIL TO BE 143-158 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B793. THIS CODE IS FOR SERVICE ONLY.
- (3) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 143-158 PSI. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075834. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B794.
- (4) USE FUEL PUMP P/N 3075626 FUEL PRESSURE AT RAIL TO BE 175-194 PSI. 3278180 SERIES V.S. PLUNGER TO BE FITTED. USE WITH FUEL LINE C/VALVES ONLY. USE BIAS SPRING P.N.3051071. FIRST USED ON S.Q.93807.
- (5) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279716. FUEL PRESSURE AT RAIL TO BE 117-129 PSI. USE BIAS SPRING P.N. 3051070 FIRST USED ON S.O.97445.
- (6) USE FUEL PUMP P.N.3075627. FUEL PRESSURE AT RAIL TO BE 134-148 PSI. USE BIAS SPRING P.N. 3051071. USE WITH FUEL LINE CHECK VALVES. USE SMALL BORE THROTTLE SHAFT. THIS CODE REPLACES B876.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES B994-A - B999-A

1 Pump Code	B994-A	B995-C	B996-B	B997-B	B998-B	B999-A	1
2 Date - Control Parts List	DEC92 - 1219	JAN93 - 0859	DEC92 - 0869	MAY93 - 0878	MAR93 - 0809	AUG92 - 0000	2
3 Test HP @ RPM	1850 - 1869 @ 1800	1194 - 1206 @ 1900	995 - 1005 @ 1800	1592 - 1609 @ 1900	920 - 930 @ 1900		3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	172 - 190	123 - 136	113 - 125	123 - 135	150 - 165		5
6 Fuel Rate Pound Per Hour	582 - 617	392 - 419	328 - 348	518 - 551	306 - 326		6
7 Intake Manifold Press. In./Hg	58 - 67	49 - 55	37 - 41	55 - 61	42 - 50		7
8 Torque Rise % - Curve	7 - C-4568	5 - P-4423-B	3 - C-4207	4 - P-4355	18 - C-4430-A	- 000000	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1940 - 1960	2060 - 2080	1900 - 1940	1930 - 1950	1960 - 1980		11
12 VS/Sec. Gov. Setting-RPM		1930 - 1950					12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40		2050 @ 40	2200 @ 40	2200 @ 40		14
15 Min. Auto. Gov. Check-RPM @ PSI	1966 @ 40				2100 @ 40		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2200 @ 40					18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2200 @ 40					19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12		20
21 Throttle Travel-Auto., VS, Lev	28, -	28, 16 -	28, -	28, -	28, -		21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 725	10 @ 800	10 @ 725	10 @ 725		22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 725	550 @ 800	550 @ 725	550 @ 725		23
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 725 - 550					24
25 Calibration PSI @ RPM	178 @ 1800	129 @ 1900	120 @ 1800	129 @ 1900	158 @ 1900		25
26 Calibration Flow	1150	710	620	970	620		26
27 Check Point (1) PSI @ RPM	153 - 159 @ 1500	91 - 97 @ 1500	91 - 97 @ 1500	93 - 99 @ 1500	107 - 113 @ 1300		27
28 Check Point (1) Flow	1075	610	550	850	500		28
29 Check Point (2) PSI @ RPM		79 - 85 @ 1300					29
30 Check Point (2) Flow		550					30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.780 - 143848	.780 - 143848	.800 - 143848	.780 - 143848		33
34 Idle Plunger Code - Part No.	5 - 141623	45 - 138862	27 - 141632	30 - 141633	20 - 141629		34
35 Fuel Pump Housing		3080511					35
36 Auto. Idle Spring	144195	144195	144195	144195	144195		36
37 Auto. Gov. Spring - Ref. Shims	3001147 - .000	3001156 - .000	3001155 - .000	3001156 - .000	143252 - .000		37
38 Gear Pump Size In.	1.250	1.000	.750	1.250	.750		38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437		39
40 Auto. Gov. Plunger	3010810	3009380	3009380	3010810	3010810		40
41 Torque Spring - Shims - Gage Height	138782 - .040 - .690	142697 - .010 -		142696 - .010 -	138781 - .000 -		41
42 VS Gov. Max. Spring - Ref. Shims		109686 - .000					42
43 VS Gov. Idle Spring		138810					43
44 VS Gov. Weights		163826					44
45 VS Gov. Plunger		212350					45
46 VS Gov. Sleeve		3014693					46
47 AFC Barrel & Plunger Assembly		3058944		3058944			47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI		1600 - 30		1600 - 18			49
50 AFC Flow - pph		350		365			50
51 AFC Spring - Gage Height-In.		179828 -		179830 -			51
52 AFC Bias Spring		3051071					52
53 AFC No Air RPM - PSI		1600 - 40		1600 - 29			53
54 AFC No Air Flow		380		470			54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		1999 CONS	1999 CONS		2002 CONS		61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-G3	KTA38-C-1200	KTA38-C-1000	KTA50-C-1600	KT38-C-925		66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE N.O. E.F.C. P.N.3052505. USE WITH FUEL PUMP P.N.3279624. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH "K" FAMILY R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 157-174 PSI. THIS CODE FOR SERVICE ONLY.
- (2) USE WITH FUEL LINE CHECK VALVES. USE PUMP P/N 3080546 USE WITH 1.00 INCH GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 117-126 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. THIS CODE REPLACES B827.
- (3) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3077006. USE WITH N.O. EFC. USE WITH R.D.F. INJECTORS. USE SMALL BORE THROTTLE SHAFT P/N 3046680. FIRST USED ON S/O 93604. E.F.C./A.F.C. VERSION IS B528. THIS CODE REPLACES B975.
- (4) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3075625. USE WITH 1.25 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 117-129 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N.3051070.
- (5) USE FUEL PUMP P.N.3077006. USE 0.75 INCH FUEL GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 142-157 PSI. USE WITH R.D.F. INJECTORS. USE WITH FUEL LINE CHECK VALVES. USE SMALL BORE THROTTLE SHAFT P.N.3046680. USE WITH N/O EFC GOV P.N.3063511. THIS CODE REPLACES B768. E.F.C./A.F.C. VERSION IS B529.
- (6) PLEASE CONTACT J P BULLOCK OR P E COLTMAN FO FUEL PUMP INFO ON EXT 2423 OR 2330 AT DAV.

1 Pump Code	BA01-A	BA02-C	BA03-A	BA05-C	BA06-A	BA07-B	
2 Date - Control Parts List	DEC92 - 1190	DEC92 - 1531	DEC92 - 1190	FE893 - 0844	DEC92 - 0852	DEC92 - 0872	1
3 Test HP @ RPM	597 - 603 @ 2100	547 - 554 @ 2000	582 - 587 @ 2050	1046 - 1055 @ 2100	1135 - 1146 @ 1800	1119 - 1130 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	167 - 184	146 - 160	167 - 184	101 - 111	136 - 151	130 - 143	4
6 Fuel Rate Pound Per Hour	194 - 205	201 - 212	194 - 205	357 - 379	373 - 397	386 - 410	5
7 Intake Manifold Press. In./Hg	44 - 52	43 - 51	44 - 52	45 - 55	43 - 48	52 - 58	6
8 Torque Rise % - Curve	10 - P-4527	9 - P-4527	10 - P-4527	30 - C-4417-A	1 - C-3642	4 - P-4104-C	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2130 - 2150	2195 - 2215	1930 - 1950	1910 - 1930	10
12 VS/Sec. Gov. Setting-RPM		2030 - 2050		2120 - 2140			11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2300 @ 40	2350 @ 40	2300 @ 40		2100 @ 40	2050 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI		2250 @ 40	2153 @ 40				14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2200 @ 40		2300 @ 40			17
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2080 @ 40		2155 @ 40			18
20 Throttle Leakage-cc - pph		110 - 12		110 - 12	110 - 12	110 - 12	19
21 Throttle Travel-Auto., VS, Levr		28, 22 -		28, 19 -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	15 @ 700	10 @ 700	15 @ 700	10 @ 725	10 @ 600	10 @ 800	21
23 Idle Speed cc @ RPM-Auto.	250 @ 700	250 @ 700	250 @ 700	550 @ 725	550 @ 600	550 @ 800	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 700 - 250		@ 700 - 550			23
25 Calibration PSI @ RPM	175 @ 2100	153 @ 2000	168 @ 2050	107 @ 2100	152 @ 1800	136 @ 1800	24
26 Calibration Flow	720	650	620	660	740	700	25
27 Check Point (1) PSI @ RPM	107 - 113 @ 1500	107 - 113 @ 1500	111 - 117 @ 1500	78 - 84 @ 1500	125 - 131 @ 1500	105 - 111 @ 1500	26
28 Check Point (1) Flow	565	545	510	570	680	610	27
29 Check Point (2) PSI @ RPM		84 - 90 @ 1300		67 - 73 @ 1300		87 - 93 @ 1300	28
30 Check Point (2) Flow		480		530		550	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143848	.780 - 143848	.800 - 143848	.800 - 143848	.780 - 143848	.800 - 143848	32
34 Idle Plunger Code - Part No.	20 - 141629	42 - 140923	35 - 140922	37 - 140418	25 - 141631	35 - 140922	33
35 Fuel Pump Housing		3019391		3279871			34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3001157 - .000	3001156 - .130	3001156 - .000	153238 - .000	153237 - .000	3000937 - .000	36
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	1.000	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height		142696 - .010 - .660	142697 - .000 - .650	3002052 - .020 - .670	138787 - .020 - .620	142696 - .040 -	40
42 VS Gov. Max. Spring - Ref. Shims		70821 - .000		109686 - .000			41
43 VS Gov. Idle Spring		138810		138810			42
44 VS Gov. Weights		163826		163826			43
45 VS Gov. Plunger		3018640		3018640			44
46 VS Gov. Sleeve		3014693		3014693			45
47 AFC Barrel & Plunger Assembly		3031298		3058944			46
48 AFC In./Hg - PSI	12 - 5.8	10 - 4.9	10 - 4.9				47
49 AFC RPM - PSI	1600 - 50	1600 - 70	1600 - 70	1600 - 40			48
50 AFC Flow - pph	750	430	430	380			49
51 AFC Spring - Gage Height-In.	179824 -	179824 -	179826 -	179824 -			50
52 AFC Bias Spring				3051071			51
53 AFC No Air RPM - PSI	1600 - 14	1600 - 25	1600 - 25	1600 - 44			52
54 AFC No Air Flow	360	370	370	400			53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency		2002 LOCO					61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA19-R-600	KTA19-R-550	KTA19-R-600	KTA38-C-P-1050	KTA38-G-GS-GC1	KTA38-C-1125	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE FUEL PUMP P/N 3059599. USE INJECTORS P/N 3016676 (NON RDF). USE THROTTLE SHAFT P/N 3006450. FOR USE WITH M.U.T.C. UNIT. VALVE 1: ORIFICE SIZES .027 & BLANK. VALVE 2: ORIFICE SIZES .032" & BLANK. VALVE 3: ORIFICE SIZES .046" & BLANK. VALVE 4: ORIFICE SIZES .045 & BLANK. POSITION 5 REQUIRES BLANK ORIFICE.
- (2) USE FUEL PUMP P/N 3080527. USE INJECTOR SCREEN P/N 3054999. USE INJECTORS P/N 3279803 (NON RDF). FIRST USED ON S.O.90400.(TURKEY).
- (3) USE FUEL PUMP P/N 3059599. USE INJECTORS P/N 3016676 (NON RDF). USE THROTTLE SHAFT P/N 3006450. FOR USE WITH M.U.T.C.UNIT P/N 3007630. VALVE 1:ORIFICE SIZES .030" & BLANK. VALVE 2:ORIFICE SIZES .034" & BLANK. VALVE 3:ORIFICE SIZES .039" & BLANK. VALVE 4:ORIFICE SIZES .043" & .045. VALVE 5:ORIFICE SIZES BLANK & BLANK. PUMP CALIBRATED WITH M.U.T.C.UNIT IN LINE.
- (4) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3077003. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 93-103 PSI. USE WITH 1.00 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071. THIS CODE REPLACES B843. USE SMALL BORE THROTTLE SHAFT P.N. 3046680. SERVICE ONLY SEE B803.
- (5) USE WITH WOODWARD GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279631. USE WITH FUEL LINE CHECK VALVES. GUTLESS P.T.G.AUTO PUMP. USE WITH R.D.F. INJECTORS. FOR USE WITH WET MANIFOLDS.
- (6) USE WITH CUMMINS N.O.E.F.C. GOV SYSTEM. USE FUEL PUMP P.N 3075612. FUEL PRESSURE AT RAIL TO BE 124-136 PSI. USE WITH FUEL LINE CHECK-VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FIRST USED ON S.O.99050.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES BA08-B - BA13-B

1 Pump Code	BA08-B	BA09-A	BA10-A	BA11-B	BA12-B	BA13-B	
2 Date - Control Parts List	DEC92 - 0866	DEC92 - 0809	DEC92 - 0869	SEP92 - 0809	DEC92 - 0901	DEC92 - 0859	1
3 Test HP @ RPM	940 - 949 @ 1500	920 - 930 @ 2100	966 - 1005 @ 1900	875 - 885 @ 1800	747 - 753 @ 1800	1194 - 1206 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	104 - 115	165 - 183	112 - 124	139 - 154	107 - 119	123 - 136	4
6 Fuel Rate Pound Per Hour	313 - 333	322 - 342	333 - 353	291 - 311	247 - 262	392 - 419	5
7 Intake Manifold Press. In./Hg	29 - 37	46 - 56	36 - 44	41 - 49	33 - 36	49 - 57	6
8 Torque Rise % - Curve	- 0-0000	30 - C-4414-A	6 - 000000	5 - C-4203	5 - C-4203	5 - P-4423	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1730 - 1750	2195 - 2215	2040 - 2060	1940 - 1960	1940 - 1960	2020 - 2040	10
12 VS/Sec. Gov. Setting-RPM	1630 - 1650	2120 - 2140	1940 - 1960	1840 - 1860	1840 - 1860		11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI					2200 @ 40	2200 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI					2000 @ 40	2100 @ 40	14
16 RS Gov. Setting-PSI @ RPM			40 @ 2000 - 2200				15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	1900 @ 40	2300 @ 70	2200 @ 40	2100 @ 40	2100 @ 40		17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1700 @ 40	2300 @ 70	2200 @ 40	1973 @ 40	1900 @ 40		18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12		19
21 Throttle Travel-Auto., VS, Lever	28, -	28, -	28, -	28, 19 -	28, 16 -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 725	10 @ 700	10 @ 725	10 @ 725	10 @ 725	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 725	550 @ 700	550 @ 725	550 @ 725	550 @ 725	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 600 - 550	@ 725 - 550		@ 700 - 550	@ 725 - 550		23
25 Calibration PSI @ RPM	109 @ 1500	174 @ 2100	118 @ 1900	146 @ 1800	116 @ 1800	127 @ 1900	24
26 Calibration Flow	600	680	640	600	510	760	25
27 Check Point (1) PSI @ RPM		131 - 137 @ 1500	85 - 91 @ 1500	111 - 117 @ 1500	89 - 95 @ 1500	92 - 98 @ 1500	26
28 Check Point (1) Flow		600	555	525	440	650	27
29 Check Point (2) PSI @ RPM		113 - 119 @ 1300				74 - 80 @ 1300	28
30 Check Point (2) Flow		555				580	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.780 - 143848	.780 - 143848	.780 - 143848	.800 - 143848	.780 - 143848	.780 - 143848	32
34 Idle Plunger Code - Part No.	32 - 141634	32 - 141634	40 - 137370	30 - 141633	42 - 140923	37 - 140418	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	143252 - .000	3001155 - .000	3000936 - .000	3001156 - .000	3001156 - .000	36
38 Gear Pump Size In.	1.000	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3009380	39
41 Torque Spring - Shims - Gage Height		139586 - .000 -	109686 - .000	109686 - .000	109686 - .000	142696 - .020 - .670	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	138810	138810	138810		41
43 VS Gov. Idle Spring	138810	138810	138810	138810	138810		42
44 VS Gov. Weights	163826	163826	163826	163826	163826		43
45 VS Gov. Plunger	3018640	212350	212350	212351	212350		44
46 VS Gov. Sleeve	3014693			3014693	3014693		45
47 AFC Barrel & Plunger Assembly				3058944	3058944		46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI		1600 - 62	1600 - 42	1600 - 68	1600 - 34		48
50 AFC Flow - pph		350	380	420	360		49
51 AFC Spring - Gage Height-In.		179826 -	179824 -	179824 -	179824 -		50
52 AFC Bias Spring				3051071	3051070		51
53 AFC No Air RPM - PSI		1600 - 73	1600 - 57	1600 - 86	1600 - 68		52
54 AFC No Air Flow		380	445	460	380		53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency					1999 CONS		61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-G-GS-GC1	KT38-C-925	KTA38-C-986	KT38-C-880	KT38-P-C	KTA38-L-1200	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE WITH FUEL PUMP P.N.3075664. FUEL PRESSURE AT RAIL TO BE 99-109 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FIRST USED ON S.O 99117.
- (2) USE FUEL PUMP P.N.3279715. USE 0.75 INCH FUEL GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 161-173 PSI. USE WITH R.D.F. INJECTORS. USE WITH FUEL LINE CHECK VALVES. USE BIAS SPRING P.N. 3051070. FIRST USED ON S.O 97470.
- (3) USE FUEL PUMP P.N.3279717. FUEL PRESSURE AT RAIL TO BE 106-118 PSI. USE WITH FUEL LINE C/VALVES ONLY. USE BIAS SPRING P.N.3051071. FIRST USED ON S/O 99021.
- (4) USE FUEL PUMP P.N.3279851. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. USE BIAS SPRING 3051071. 880 BHP AT 1800 RPM. USE SMALL BORE THROTTLE SHAFT P.N.3046680. FIRST USED ON S/O 93839. SEE 8977.
- (5) USE FUEL PUMP P/N 3075630. FUEL PRESSURE AT RAIL TO BE 102-114 PSI. USE WITH FUEL LINE C/VALVES ONLY. FIRST USED ON S.O 99173. USE BIAS SPRING P/N 3051070.
- (6) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3279643. USE WITH 0.75 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 113-124 PSI. USE WITH R.D.F. INJECTORS. FIRST USED ON S.O.99176. FOR USE WITH N.C. EFC GOV SYSTEM. SERVICE ONLY.

1 Pump Code	BA14-A	BA15-A	BA17-B	BA18-A	BA19-B	BA20-A	1
2 Date - Control Parts List	DEC92 - 1528	DEC92 - 1430	SEP92 - 0851	DEC92 - 1528	JAN93 - 1528	APR93 - 1528	2
3 Test HP @ RPM	1850 - 1869 @ 1800	646 - 653 @ 2100	1134 - 1146 @ 1800	1850 - 1869 @ 1800	1850 - 1869 @ 1800	1850 - 1869 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	114 - 126	165 - 183	141 - 155	114 - 126	114 - 126	118 - 130	5
6 Fuel Rate Pound Per Hour	593 - 628	227 - 243	366 - 388	593 - 628	593 - 628	591 - 626	6
7 Intake Manifold Press. In./Hg	55 - 65	60 - 68	50 - 60	55 - 65	55 - 65	57 - 64	7
8 Torque Rise % - Curve	6 - C-4568	6 - P-4527	3 - C-3642	6 - C-4568	6 - C-4568	6 - C-4568	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1960 - 1990	2140 - 2160	1930 - 1950	1960 - 1980	1940 - 1960	2020 - 2040	11
12 VS/Sec. Gov. Setting-RPM						1920 - 1940	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2350 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	2200 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI			1980 @ 40	1900 @ 40	1900 @ 40	2100 @ 40	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI						2100 @ 40	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI						2000 @ 40	19
20 Throttle Leakage-cc - pph	110 - 12		110 - 12	110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28, -		28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	15 @ 700	10 @ 600	10 @ 600	10 @ 600	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	250 @ 700	550 @ 600	550 @ 600	550 @ 600	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	124 @ 1800	173 @ 2100	145 @ 1800	124 @ 1800	124 @ 1800	124 @ 1800	25
26 Calibration Flow	1000	890	700	1000	1000	1000	26
27 Check Point (1) PSI @ RPM	106 - 112 @ 1500	115 - 121 @ 1500	119 - 125 @ 1500	106 - 112 @ 1500	106 - 112 @ 1500	108 - 114 @ 1500	27
28 Check Point (1) Flow	930	720	620	930	930	930	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.780 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	33
34 Idle Plunger Cods - Part No.	17 - 140417	32 - 141634	27 - 141632	17 - 140417	17 - 140417	17 - 140417	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001147 - .000	3001156 - .000	153237 - .000	3001147 - .000	3001147 - .000	3001147 - .000	37
38 Gear Pump Size In.	1.250	1.000	1.000	1.250	1.250	1.250	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138782 - .040 -	138768 - .000 -	138796 - .040 - .590	138782 - .040 - .690	138782 - .040 -	138782 - .040 -	41
42 VS Gov. Max. Spring - Ref. Shims						109686 - .000	42
43 VS Gov. Idle Spring						138810	43
44 VS Gov. Weights						163826	44
45 VS Gov. Plunger						3018540	45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI		12 - 5.8					48
49 AFC RPM - PSI		1800 - 50					49
50 AFC Flow - pph		750					50
51 AFC Spring - Gage Height-In.		179828 -					51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI		1600 - 14					53
54 AFC No Air Flow		360					54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly				3063505			59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency		1999 LOCO					62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-G3	KTA19-R-650	KTA38-G-GS-GC1	KTA50-G3	KTA50-G3	KTA50-G3	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH WOODWARD GOV SYSTEM. USE FUEL PUMP P.N. 3075661. USE EXT.COOLED BUSHED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES. USE INJECTORS P.N.3067393. FUEL PRESSURE AT RAIL TO BE 108-120 PSI.
- (2) USE FUEL PUMP P/N 3069599. USE H.V.T.INJECTORS. USE THROTTLE SHAFT P/N 3006450. FOR USE WITH M.U.T.C. UNIT. VALVE 1: ORIFICE SIZES .028" & BLANK. VALVE 1: ORIFICE SIZES .031" & BLANK. VALVE 1: ORIFICE SIZES .043" & BLANK. VALVE 1: ORIFICE SIZES .045" & BLANK. POSITION 5 REQUIRES BLANK ORIFICE.
- (3) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM USE FUEL PUMP P.N.3075834. FUEL PRESSURE AT RAIL TO BE 132-146 PSI. USE WITH FUEL LINE CHECK VALVES. THIS CODE REPLACES 8800.
- (4) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM USE FUEL PUMP P.N 3075637. FUEL PRESSURE AT RAIL TO BE 108-120 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH INJECTOR P.N 3067393. USE EXT COOLED GEAR PUMP.
- (5) USE N.O. E.F.C. P.N.3052505. USE FUEL PUMP P.N.3075662. USE WITH EXT.COOLED BUSHED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE INJECTOR P.N.3067393. FUEL PUMP PRESSURE AT RAIL TO BE 108-120 PSI SERVICE ONLY.
- (6) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N 3075614. USE WITH FUEL LINE CHECK VALVES. USE INJECTOR P.N 3067393. USE WITH EXT COOLED BUSHED GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 112-123 PSI. THIS CODE REPLACES 8882.(NEW INJECTORS).

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES BA21-A - BA26-A

1 Pump Code	BA21-A	BA22-A	BA23-A	BA24-A	BA25-A	BA26-A	1
2 Date - Control Parts List	DEC92 - 1528	DEC92 - 1528	DEC92 - 1528	DEC92 - 1528	DEC92 - 1528	DEC92 - 1528	2
3 Test HP @ RPM	1850 - 1869 @ 1800	1850 - 1869 @ 1800	1769 - 1787 @ 1500	1850 - 1869 @ 1800	1850 - 1869 @ 1800	1769 - 1787 @ 1500	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	114 - 126	118 - 130	108 - 120	114 - 126	114 - 126	108 - 120	5
6 Fuel Rate Pound Per Hour	593 - 628	591 - 626	558 - 591	593 - 628	593 - 628	558 - 591	6
7 Intake Manifold Press. In./Hg	55 - 65	57 - 65	57 - 67	55 - 65	55 - 65	57 - 67	7
8 Torque Rise % - Curve	6 - C-4568	6 - C-4568	- C-4567	6 - C-4568	7 - C-4568	- C-4567	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1960 - 1990	1960 - 1990	1730 - 1750	2020 - 2040	1960 - 1990	1740 - 1780	11
12 VS/Sec. Gov. Setting-RPM				1920 - 1940			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2150 @ 40	2150 @ 40	1850 @ 40		2100 @ 40	1900 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI			1740 @ 40				15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2150 @ 40			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2150 @ 40			19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	75 - 8	75 -	110 - 12	75 - 8	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	124 @ 1800	124 @ 1800	118 @ 1500	124 @ 1800	124 @ 1800	118 @ 1500	25
26 Calibration Flow	1000	1000	1020	1000	1000	1020	26
27 Check Point (1) PSI @ RPM	106 - 112 @ 1500	108 - 114 @ 1500		106 - 112 @ 1500	106 - 112 @ 1500		27
28 Check Point (1) Flow	930	930		930	930		28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.780 - 143848	.780 - 143848	.780 - 143848	.800 - 143848	.780 - 143848	.780 - 143848	33
34 Idle Plunger Code - Part No.	17 - 140417	17 - 140417	15 - 139894	17 - 140417	17 - 140417	15 - 139894	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001147 - .000	3001147 - .000	3001147 - .000	3001147 - .000	3001147 - .000	3001147 - .000	37
38 Gear Pump Size In.	1.250	1.250	1.250	1.250	1.250	1.250	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138782 - .040 -	138782 - .040 -		138782 - .040 -	138782 - .040 -		41
42 VS Gov. Max. Spring - Ref. Shims				109686 - .000			42
43 VS Gov. Idle Spring				138810			43
44 VS Gov. Weights				163826			44
45 VS Gov. Plunger				3018640			45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve			1999 GEN				61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-G3	KTA50-G3	KTA50-G4	KTA50-G3	KTA50-G3	KTA50-G4	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) FOR USE WITH CUSTOMER SUPPLIED GOV SYSTEM. USE FUEL PUMP P.N. 3075661. FUEL PRESSURE AT RAIL TO BE 108-120 PSI. USE WITH FUEL LINE CHECK VALVES. USE P.T.G GUTLESS HOUSING.(AUTO). USE INJECTORS P.N. 3067393. USE EXT.COOLED BUSHED GEAR PUMP.
- (2) USE WITH AMERICAN BOSCH GOVERNOR SYSTEM. USE FUEL PUMP P.N 3075661. USE WITH FUEL LINE CHECK VALVES. USE P.T.G GUTLESS HOUSING.(AUTO). USE INJECTORS P.N 3067393. USE EXT.COOLED BUSHED GEAR PUMP THIS CODE FOR SERVICE ONLY.
- (3) USE WITH CUMMINS N.C EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N.3075537. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS.
- (4) USE WITH WAW PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N 3075614. USE WITH FUEL LINE CHECK VALVES. USE INJECTOR P.N 3067393. USE WITH EXT COOLED BUSHED GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 108-120 PSI.
- (5) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM USE FUEL PUMP P.N.3075537. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. FUEL PRESSURE AT RAIL TO BE 108-120 PSI.
- (6) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM USE WITH PUMP P.N 3075537. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. FUEL PRESSURE AT RAIL TO BE 106-118 PSI

1 Pump Code	BA27-A	BA28-A	BA30-A	BA31-A	BA32-A	BA33-A	
2 Date - Control Parts List	DEC92 - 1528	DEC92 - 0864	JAN93 - 1528	DEC92 - 0901	DEC92 - 1528	DEC92 - 1251	1
3 Test HP @ RPM	1769 - 1787 @ 1500	1135 - 1146 @ 1800	1850 - 1869 @ 1800	895 - 905 @ 1900	1850 - 1869 @ 1800	1340 - 1353 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	108 - 120	144 - 159	114 - 126	146 - 161	114 - 126	163 - 181	4
6 Fuel Rate Pound Per Hour	558 - 591	368 - 392	593 - 628	311 - 331	593 - 628	432 - 463	5
7 Intake Manifold Press. In./Hg	57 - 67	50 - 60	55 - 65	41 - 45	55 - 65	58 - 68	6
8 Torque Rise % - Curve	- C-4567	1 - C-3642	6 - C-4568	8 - C-4203	6 - C-4568	7 - C-4574	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1680 - 1700	1910 - 1940	1990 - 2010	2020 - 2040	1960 - 1980	1940 - 1960	10
12 VS/Sec. Gov. Setting-RPM	1580 - 1600						11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2100 @ 40	2150 @ 40	2200 @ 40	2200 @ 40	2100 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI			2000 @ 40		2000 @ 40		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	1800 @ 40						17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1800 @ 40						18
20 Throttle Leakage-cc - pph	75 - 8	75 - 8	110 - 12	110 - 12	110 - 12	110 - 12	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 725	10 @ 600	10 @ 600	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 725	550 @ 600	550 @ 600	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	130 @ 1500	100 @ 1500	124 @ 1800	153 @ 1900	124 @ 1800	172 @ 1800	24
26 Calibration Flow	1020	640	1000	630	1000	850	25
27 Check Point (1) PSI @ RPM			106 - 112 @ 1500	112 - 118 @ 1500	106 - 112 @ 1500	146 - 152 @ 1500	26
28 Check Point (1) Flow			930	530	930	790	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.780 - 143848	.800 - 143848	.800 - 143848	.800 - 143848	.780 - 143848	.800 - 143848	32
34 Idle Plunger Code - Part No.	15 - 139894	35 - 140922	17 - 140417	40 - 137370	17 - 140417	15 - 139894	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	3001147 - .000	153237 - .000	3001147 - .000	143261 - .000	3001147 - .000	143253 - .000	36
38 Gear Pump Size In.	1.250	1.250	1.250	1.750	1.250	1.000	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height			138782 - .040 -		138782 - .040 -	138791 - .020 -	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000						41
43 VS Gov. Idle Spring	138810						42
44 VS Gov. Weights	163826						43
45 VS Gov. Plunger	3018640						44
46 VS Gov. Sleeve				3014693			45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA50-G4	KTA38-G-GS-GC1	KTA50-G3	KT38-C-900	KTA50-G3	KTA38-G3	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH W/W PSG MOTORHEAD GOVERNOR SYSTEM. TWIN LEVERED PUMP. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075614. USE WITH INJECTOR P.N. 3067393. FUEL PRESSURE AT RAIL TO BE 114-127 PSI.
- (2) USE WITH CUMMINS N.C EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3279628. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP. DEDICATED EFC HOUSING. USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 140-155 PSI.
- (3) CUSTOMER SUPPLIED GOV SYSTEM. USE WITH FUEL PUMP P/N 3075661. FUEL PRESSURE AT RAIL TO BE 108-120 PSI. USE WITH FUEL LINE CHECK VALVES. EXTERNALLY COOLED GEAR PUMP. USE INJECTORS P/N 3067393. CONTINUOUS RATING
- (4) USE FUEL PUMP 3279677. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 137-152 PSI. USE WITH R.D.F. INJECTORS. 900 BHP AT 1900 RPM USE CUMMINS N.O EFC GOVERNOR SYSTEM. USE SMALL BORE THROTTLE SHAFT. E.F.C./A.F.C.VERSION IS 8522.
- (5) USE FUEL PUMP P.N.3075661. THROTTLE TRAVEL 26-30 DEG. FUEL PRESSURE AT RAIL TO BE 108-120 PSI USE WITH FUEL LINE CHECK VALVES. FOR USE WITH WOODWARD GOVERNOR. CONTINUOUS RATING.
- (6) CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE FUEL PUMP P.N.3075834. FUEL PRESSURE AT RAIL TO BE 157-172 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FIRST USED ON S.O.99353.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES BA34-A - BA40-A

1 Pump Code	BA34-A	BA35-A	BA36-B	BA37-C	BA38-A	BA40-A	
2 Date - Control Parts List	DEC92 - 0851	JUN92 - 1528	JUN92 - 1495	DEC92 - 1250	APR93 - 1542	JUN92 - 0968	1
3 Test HP @ RPM	1135 - 1146 @ 1800	1850 - 1869 @ 1800	1491 - 1505 @ 1800	1950 - 1960 @ 1900	1491 - 1505 @ 1800	1890 - 1909 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	143 - 158	118 - 130	192 - 212	149 - 164	192 - 212	156 - 172	4
6 Fuel Rate Pound Per Hour	375 - 399	591 - 626	483 - 511	639 - 677	483 - 511	635 - 672	5
7 Intake Manifold Press. In./Hg	50 - 58	57 - 65	62 - 70	64 - 74	62 - 70	69 - 77	6
8 Torque Rise % - Curve	3 - C-3642	6 - C-4568	4 - C-4778	5 - P-4843	- C-4778	- P-4471-A	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1910 - 1930	2020 - 2040	1920 - 1940	2030 - 2050	1930 - 1950	2060 - 2080	10
12 VS/Sec. Gov. Setting-RPM		1920 - 1940		1930 - 1950		1920 - 1940	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40		2100 @ 40	2300 @ 15	2100 @ 40		13
15 Min. Auto. Gov. Check-RPM @ PSI			1980 @ 40	2100 @ 15			14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2150 @ 40		2100 @ 15		2050 @ 40	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2150 @ 40		2000 @ 15		2050 @ 40	18
20 Throttle Leakage-cc - pph	110 - 12	75 - 8	110 - 12	110 - 12	110 - 12	110 - 12	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, 16 -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 600	10 @ 600	10 @ 725	10 @ 600	10 @ 750	21
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 600	550 @ 600	550 @ 725	550 @ 600	550 @ 750	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc				@ 725 - 550		@ 750 - 550	23
25 Calibration PSI @ RPM	145 @ 1800	124 @ 1800	202 @ 1800	107 @ 1900	202 @ 1800	164 @ 1900	24
26 Calibration Flow	700	1000	950	1090	950	1110	25
27 Check Point (1) PSI @ RPM	119 - 125 @ 1500	108 - 114 @ 1500		119 - 125 @ 1500		120 - 126 @ 1500	26
28 Check Point (1) Flow	620	930		920		970	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.790 - 143848	.800 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	32
34 Idle Plunger Code - Part No.	25 - 141631	17 - 140417	15 - 139894	15 - 139894	15 - 139894	25 - 141631	33
35 Fuel Pump Housing				3279601			34
36 Auto. Idle Spring	144195	144195	144195	3018767	144195	144195	35
37 Auto. Gov. Spring - Rel. Shims	153237 - .000	3001147 - .000	143251 - .000	3001156 - .070	143251 - .000	3001156 - .000	36
38 Gear Pump Size In.	1.000	1.250	1.250	1.250	1.250	1.250	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3009380	3010810	39
41 Torque Spring - Shims - Gage Height	138790 - .020 -	138782 - .040 -				142697 - .000 -	40
42 VS Gov. Max. Spring - Ref. Shims		109686 - .000		70821 - .000		107787 - .000	41
43 VS Gov. Idle Spring		138810		138810		138810	42
44 VS Gov. Weights		163826		163826		163826	43
45 VS Gov. Plunger		3018640		212350		212350	44
46 VS Gov. Sleeve				3014693		3014693	45
47 AFC Barrel & Plunger Assembly				3077526		3058944	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI				1600 - 27		1600 - 30	48
50 AFC Flow - pph				389		435	49
51 AFC Spring - Gage Height-In.				3007692 -		3007694 -	50
52 AFC Bias Spring				3071951		3051072	51
53 AFC No Air RPM - PSI				1600 - 30		1600 - 40	52
54 AFC No Air Flow				411		530	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency				1993 CONS	2000 GEN		61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-G-GS-GC1	KTA50-G3	KTA38-G4	KTA50-C-2000	KTA38-G4.	KTA50-C-1900	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM USE FUEL PUMP P.N.3075834. FUEL PRESSURE AT RAIL TO BE 132-146 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS.
- (2) USE WITH WAW PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N.3279588. USE WITH FUEL LINE CHECK VALVES. USE INJECTOR P.N.3067393. SAME AS BA24 U.S. PUMP. FUEL PRESSURE AT RAIL TO BE 112-123 PSI.
- (3) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075537. FUEL PRESSURE AT RAIL TO BE 189-210 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. 1800 RPM ONLY. SERVICE ONLY SEE BA58.
- (4) USE FUEL PUMP P.N.3077529. USE BIAS SPRING P.N.3071951 USE WITH FUEL LINE CHECK VALVES. USE WITH STEPPED TIMING CONTROL ONLY. USE WITH R.D.F. INJECTORS P/N 3279746. 2000 BHP AT 1900 RPM.
- (5) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075661. FUEL PRESSURE AT RAIL TO BE 182-202 PSI. USE WITH R.D.F. INJECTORS. CUSTOMER SUPPLIED GOV SYSTEM. FIRST USED ON S.O.97561.
- (6) USE FUEL PUMP P.N. 3080512. USE BIAS SPRING P/N 3051072. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH R.D.F. INJECTORS P/N 3056495. ADD SHIMS TO V.S.PACK TO REDUCE TRAVEL

1 Pump Code	BA41-A	BA42-A	BA43-A	BA44-A	BA45-A	BA46-A	1
2 Date - Control Parts List	JUN92 - 0816	JUN92 - 0859	MAR93 - 0809	JUN93 - 1528	SEP92 - 0809	MAR93 - 0859	2
3 Test HP @ RPM	- @ 1900	1194 - 1206 @ 2100	855 - 865 @ 2100	1769 - 1787 @ 1500	920 - 930 @ 2100	1194 - 1206 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI		118 - 131	149 - 164	108 - 120		121 - 134	5
6 Fuel Rate Pound Per Hour		421 - 443	304 - 322	558 - 591		417 - 441	6
7 Intake Manifold Press. In./Hg		50 - 55	43 - 51	57 - 67		47 - 57	7
8 Torque Rise % - Curve	- P-4388	15 - P-4424	25 - 00000000	- C-4567		15 - P-4424	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2020 - 2040	2230 - 2250	2130 - 2150	1640 - 1660		2230 - 2250	11
12 VS/Sec. Gov. Setting-RPM	1920 - 1940	2130 - 2150				2140 - 2160	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2550 @ 15	2300 @ 40	2150 @ 40		2400 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI		2400 @ 15	2200 @ 40			2300 @ 40	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 40	2400 @ 15				2300 @ 40	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 40	2300 @ 15				2200 @ 40	19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	75 - 8		110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28, 16 -	28, 18 -	28, -	28, -		28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 750	10 @ 725	10 @ 600		10 @ 750	22
23 Idle Speed cc @ RPM-Auto.	550 @ 725	550 @ 750	550 @ 725	550 @ 600		550 @ 750	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	150 @ 1900	125 @ 2100	153 @ 2100	118 @ 1500		125 @ 2100	25
26 Calibration Flow	880	800	600	1020		800	26
27 Check Point (1) PSI @ RPM	113 - 119 @ 1500	69 - 75 @ 1300	107 - 113 @ 1500			69 - 75 @ 1300	27
28 Check Point (1) Flow	783	600	510			600	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.790 - 143848	.780 - 143848	.790 - 143848	.790 - 143848		.780 - 143848	33
34 Idle Plunger Code - Part No.	22 - 141630	42 - 140923	35 - 140922	17 - 140417	25 - 141631	37 - 140418	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001156 - .000	3000936 - .155	143251 - .000	3001147 - .000	153236 - .000	3001155 - .000	37
38 Gear Pump Size In.	1.250	1.000	.750	1.250	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3009380	3010810	3010810	3010810	3009380	40
41 Torque Spring - Shims - Gage Height	138769 - .000	3053159 - .100 - .600	138780 - .020		139584 - .010 - .670	142867 - .030 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	70821 - .000			109690 - .000	109686 - .000	42
43 VS Gov. Idle Spring	138810	138810			138810	138810	43
44 VS Gov. Weights	163826	163826			163826	163826	44
45 VS Gov. Plunger	212350	3278180			3278180	3278180	45
46 VS Gov. Sleeve	3014693	3014693				3014693	46
47 AFC Barrel & Plunger Assembly	3058944						47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1600 - 27	1600 - 26	1600 - 80			1600 - 26	49
50 AFC Flow - pph	351	340	400			340	50
51 AFC Spring - Gage Height-In.	3007694 -	179826 -	179824 -			179826 -	51
52 AFC Bias Spring	3051072				3051071	3051071	52
53 AFC No Air RPM - PSI	1600 - 30	1600 - 40	1600 - 86			1600 - 40	53
54 AFC No Air Flow	425	430	455			430	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1992 CONS						62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-C-B*-1800	KTA38-C-P-L-1200	KT38-C-860	KTA50-G4	KT38-C-925	KTA38-C-P-L-1200	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP P.N.3080512. SERVICE ONLY FOR CHUQUICAMATA. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N.3051072. CALIBRATION DATA NOT VERIFIED.
- (2) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075626. AUTO THROTTLE TO BE LOCKED OPEN. FUEL PRESSURE AT RAIL TO BE 114-125 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N.3051071. V.S. THROTTLE TRAVEL 16-22 DEG. THIS CODE REPLACED BY BA46. USE 10 DEG V.S. PLUNGER P.N.3278180. SERVICE ONLY.
- (3) USE FUEL PUMP P.N.3075627. USE 0.75 INCH FUEL GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 138-153 PSI. USE WITH R.D.F. INJECTORS. USE WITH FUEL LINE CHECK VALVES. USE BIAS SPRING P.N. 3051072. USE SMALL BORE THROTTLE SHAFT.
- (4) CUSTOMER SUPPLIED GOV SYSTEM. USE WITH FUEL PUMP P/N 3075661. USE WITH FUEL LINE CHECK VALVES. EXTERNALLY COOLED GEAR PUMP. USE INJECTORS P/N 3067393. FUEL PRESSURE AT RAIL TO BE 106-118 PSI.
- (5) USE FUEL PUMP P.N.3077031. USE 1.00 INCH GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 161-173 PSI. USE WITH R.D.F. INJECTORS. USE WITH FUEL LINE CHECK VALVES. USE BIAS SPRING P.N.3051071. USE SMALL BORE THROTTLE SHAFT. AUTO GOV TO BE LOCKED OPEN. FIRST USED ON S.O.97493. THIS CODE IS OBSOLETE SEE BA67.
- (6) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075626. USE 1 INCH BUSHED GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 117-129 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. V.S. THROTTLE TRAVEL 16-22 DEG. USE V.S.PLUNGER P/N 3278180. REPLACES BA42.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES BA47-A - BA52-C

1 Pump Code	BA47-A	BA48-A	BA49-B	BA50-B	BA51-A	BA52-C	
2 Date - Control Parts List	DEC92 - 0878	JAN93 - 1543	DEC92 - 1543	APR93 - 1541	DEC92 - 0859	MAR93 - 1250	1
3 Test HP @ RPM	1174 - 1185 @ 1500	1300 - 1312 @ 1500	1299 - 1311 @ 1500	1340 - 1353 @ 1800	1046 - 1055 @ 1800	1950 - 1960 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	83 - 91	158 - 175	158 - 175	164 - 181	99 - 110	149 - 164	4
6 Fuel Rate Pound Per Hour	395 - 419	403 - 428	412 - 437	434 - 461	344 - 368	642 - 681	5
7 Intake Manifold Press. In./Hg	31 - 37	60 - 68	58 - 66	56 - 66	40 - 48	64 - 74	6
8 Torque Rise % - Curve	- 0000000	- C-4779	- C-4779	7 - C-4574	14 - P-4424	5 - P-4843	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1630 - 1650	1660 - 1680	1630 - 1650	1930 - 1950	1940 - 1960	1960 - 1980	10
12 VS/Sec. Gov. Setting-RPM	1530 - 1550				1840 - 1860		11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	1800 @ 40	1750 @ 15	1800 @ 40	2100 @ 40	2100 @ 40	2110 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI	1700 @ 40	1650 @ 15	1600 @ 40	2000 @ 40	2000 @ 40	1990 @ 40	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	1700 @ 40				2000 @ 40		17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1580 @ 40				1900 @ 40		18
20 Throttle Leakage-cc - pph	110 - 12				110 - 12		19
21 Throttle Travel-Auto. - VS, Lev	28, 18 - 1	28, -	28, -	28, -	28, -	38, - 1	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 600	10 @ 600	10 @ 600	10 @ 800	10 @ 725	21
23 Idle Speed cc @ RPM-Auto.	550 @ 725	550 @ 600	550 @ 600	550 @ 600	550 @ 800	65 @ 725	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 725 - 550						23
25 Calibration PSI @ RPM	87 @ 1500	167 @ 1500	166 @ 1500	177 @ 1800	103 @ 1800	167 @ 1900	24
26 Calibration Flow	750	810	820	820	720	1090	25
27 Check Point (1) PSI @ RPM	42 - 48 @ 900			153 - 159 @ 1500	73 - 79 @ 1300	119 - 125 @ 1500	26
28 Check Point (1) Flow	520			760	620	920	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.780 - 143854	.780 - 143848	.780 - 143848	.780 - 143848	.760 - 143848	.780 - 143848	32
34 Idle Plunger Code - Part No.	32 - 141634	10 - 141625	15 - 139894	12 - 141626	27 - 141632	20 - 141629	33
35 Fuel Pump Housing						3079537	34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3000940 - .000	3001147 - .000	143254 - .090	143253 - .000	153238 - .000	3000937 - .080	36
38 Gear Pump Size In.	1.250	1.250	1.250	1.250	1.000	1.250	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3040750	39
41 Torque Spring - Shims - Gage Height				138791 - .020 -	138792 - .020 -		40
42 VS Gov. Max. Spring - Ref. Shims	107767 - .000				109686 - .000		41
43 VS Gov. Idle Spring	138810				138810		42
44 VS Gov. Weights	163826				163826		43
45 VS Gov. Plunger	212350				212350		44
46 VS Gov. Sleeve	3014693						45
47 AFC Barrel & Plunger Assembly						3077526	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1400 - 20				1600 - 30	1600 - 27	48
50 AFC Flow - pph	380				350	389	49
51 AFC Spring - Gage Height-In.	179830 -				179826 -	3007692 - .117	50
52 AFC Bias Spring						3071951	51
53 AFC No Air RPM - PSI	1400 - 28				1600 - 40	1600 - 30	52
54 AFC No Air Flow	400				420	411	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly			3063505			3063505	58
60 PT Pacer Assembly						3074025	59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	2000 CONS	1999 GEN	1999 GEN	1999 GEN	1999 CONS	2001 CONS	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA50-C-1180	KTA38-G5	KTA38-G5	KTA38-G3	KTA38-C-1050	KTA50-C-2000-E	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH R.D.F. H.V.T. INJECTORS USE BIAS SPRING P.N.3051071. V.S. THROTTLE TRAVEL 16-22 DEG. AUTO THROTTLE IS LOCKED OPEN. 800 RPM C/POINT ADJUST ON AUTO PACK. USE FUEL PUMP P.N. 3080512.
- (2) USE FUEL PUMP P.N.3075537. FOR USE WITH N.C.E.F.C.GOVERNOR. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY.
- (3) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075537. FUEL PRESSURE AT RAIL TO BE 148-164 PSI. USE WITH FUEL LINE CHECK VALVES. STAND BY DUTY 1300 BHP AT 1500 RPM. USE WITH R.D.F. INJECTORS. FIRST USED ON S.O.99498.
- (4) CUSTOMER SUPPLIED GOV SYSTEM. USE FUEL PUMP P.N.3075661. FUEL PRESSURE AT RAIL TO BE 156-173 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FIRST USED ON S.O.99552.
- (5) USE FUEL PUMP P.N.3077031. FUEL PRESSURE AT RAIL TO BE 90-96 PSI. USE WITH FUEL LINE CHECK VALVES. LOW B.S.F.C. ENGINE USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051072. THIS CODE REPLACES 8866. FOR USE ON D233026CX02 ENGINE CONFIGURATION. IDLE SET AT 800 RPM.
- (6) USE FUEL PUMP P/N 3077035. USE BIAS SPRING P/N 3071951 USE FRONT COVER P/N 3051752. USE WITH N.C. 24 VOLT EFC P/N 3063505. USE REMOTE MOUNTED SHUTOFF VALVE. FUEL PRESSURE AT RAIL TO BE 149-164 PSI INDUSTRIAL CONTROLLER FUEL PUMP LOCK AUTO THROTTLE WIDE OPEN USE RESONANCE FIX BUTTON GUIDE 3036473

1 Pump Code	BA53-A	BA54-C	BA56-A	BA57-B	BA58-A	BA59-A	
2 Date - Control Parts List	DEC92 - 0816	MAR93 - 1602	DEC92 - 1190	DEC92 - 1544	DEC92 - 1542	DEC92 - 0864	2
3 Test HP @ RPM	1450 - 1464 @ 1800	1755 - 1763 @ 1900	547 - 554 @ 2000	2220 - 2243 @ 1800	1491 - 1505 @ 1800	1135 - 1146 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	129 - 142	161 - 178	147 - 162	148 - 163	192 - 212	144 - 159	5
6 Fuel Rate Pound Per Hour	500 - 534	573 - 608	205 - 218	701 - 745	483 - 511	368 - 392	6
7 Intake Manifold Press. In./Hg	53 - 60	47 - 57	34 - 42	76 - 86	62 - 70	50 - 60	7
8 Torque Rise % - Curve	3 - P-4388-B	5 - P-4844	4 - P-4527-A	3 - C-4576	- C-4778	1 - C-3642	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	1960 - 1980	2130 - 2150	1930 - 1950	1920 - 1940	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2115 @ 40	2300 @ 40	2100 @ 40	2060 @ 40	2100 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI	1980 @ 40	1995 @ 40		1980 @ 40	1960 @ 40	1980 @ 40	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12		110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28, -	38, - 1		28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 725	@ 725	10 @ 600	10 @ 600	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 725	65 @ 725	250 @ 725	550 @ 750	550 @ 600	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	135 @ 1800	170 @ 1900	155 @ 2000	155 @ 1800	202 @ 1800	152 @ 1800	25
26 Calibration Flow	980	1089	580	1280	950	740	26
27 Check Point (1) PSI @ RPM	107 - 113 @ 1500	125 - 131 @ 1500	107 - 113 @ 1500	126 - 132 @ 1500		125 - 131 @ 1500	27
28 Check Point (1) Flow	880	933	490	1150		680	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.760 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	33
34 Idle Plunger Code - Part No.	30 - 141633	20 - 141629	37 - 140418	12 - 141626	15 - 139894	25 - 141631	34
35 Fuel Pump Housing	3279622	3079537					35
36 Auto. Idle Spring	144195	3018767	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	153236 - .060	153232 - .170	3001156 - .000	153236 - .000	143251 - .000	153237 - .060	37
38 Gear Pump Size In.	1.250	1.250	1.000	1.250	1.250	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3040760	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138800 - .020 - .563	142704 - .058 - .608	142698 - .020 -	138787 - .020 -		138787 - .020 - .620	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly		3077526					47
48 AFC In./Hg - PSI			10 - 4.9				48
49 AFC RPM - PSI		1600 - 35	1600 - 37				49
50 AFC Flow - pph		399	270				50
51 AFC Spring - Gage Height-In.		179836 - .117	179826 -				51
52 AFC Bias Spring		3071951					52
53 AFC No Air RPM - PSI		1600 - 38	1600 - 54				53
54 AFC No Air Flow		417	340				54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly		3063505					59
60 PT Pacer Assembly		3074025					60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	2002 CONS	2002 CONS	1996 LOCO	2002 GEN	2002 GEN	2002 GEN	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-C	KTA50-C-1800-E	KTA19-R-550	KTA50-G2	KTA38-G4	KTA38-G-GS-GC1	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) FOR USE WITH W.W.PSG GOV SYSTEM. USE FUEL PUMP P.N. 3075661. FUEL PRESSURE AT RAIL TO BE 121-135 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FIRST USED ON S.O.99584. REPLACED BY BA87 (A.F.C.ADDED).
- (2) USE FUEL PUMP P/N 3077035. USE BIAS SPRING P/N 3071951 USE FRONT COVER P/N 3051752. USE WITH N.C. 24 VOLT EFC P/N 3063505. USE REMOTE MOUNTED SHUTOFF VALVE. FUEL PRESSURE AT RAIL TO BE 151-168 KPA. LOCK AUTO THROTTLE WIDE OPEN USE RESONANCE FIX BUTTON GUIDE 3036473
- (3) USE FUEL PUMP P/N 3074860. USE INJECTORS P/N 3016676 (NON RDF). USE THROTTLE SHAFT P/N 3006450. FOR USE WITH M.U.T.C. UNIT. VALVE 1: ORIFICE SIZES .027 & BLANK. VALVE 2: ORIFICE SIZES .035" & BLANK. VALVE 3: ORIFICE SIZES .047" & BLANK. VALVE 4: ORIFICE SIZES .045 & BLANK. POSITION 5 REQUIRES BLANK ORIFICE.
- (4) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM USE FUEL PUMP P.N. 3075537. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH INJECTOR P/N 3067393. FUEL PRESSURE AT RAIL TO BE 147-163 PSI(60HZ FUEL PRESSURE AT RAIL TO BE 122-135 PSI(50HZ INTAKE MANIFOLD PRESSURE 71-81 IN.HG (50HZ) THIS CODE REPLACES B930.
- (5) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075537. FUEL PRESSURE AT RAIL TO BE 189-210 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. 1800 RPM ONLY. REPLACES BA36.
- (6) USE WITH W.W. GOV SYSTEM. USE FUEL PUMP P.N. 3075834. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FIRST USED ON S.O.97560. FUEL PRESSURE AT RAIL TO BE 140-155 PSI.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES BA60-B - BA66-A

1 Pump Code	BA60-B	BA61-A	BA62-B	BA63-A	BA64-B	BA65-A	1
2 Date - Control Parts List	DEC92 - 1544	DEC92 - 1300	DEC92 - 1544	MAR93 - 0844	FEB93 - 1190	DEC92 - 0864	2
3 Test HP @ RPM	2220 - 2243 @ 1800	1135 - 1146 @ 1800	2220 - 2243 @ 1800	945 - 954 @ 2000	507 - 512 @ 2000	1135 - 1146 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	148 - 163	152 - 168	148 - 163	125 - 138	139 - 154	144 - 159	5
6 Fuel Rate Pound Per Hour	701 - 745	384 - 408	701 - 745	324 - 344	179 - 190	364 - 388	6
7 Intake Manifold Press. In./Hg	76 - 86	54 - 60	76 - 86	44 - 52	35 - 43	50 - 60	7
8 Torque Rise % - Curve	3 - C-4576-A	- C-4130	3 - C-4576	15 - NEW	12 - P-4527	1 - C-3642	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	1930 - 1950	1930 - 1950	2130 - 2150	2130 - 2150	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM				2030 - 2050			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 40	2100 @ 40	2100 @ 40	2300 @ 40	2300 @ 40	2100 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI	2000 @ 40	2000 @ 40	2000 @ 40	2200 @ 40		2000 @ 40	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM				2200 @ 40			17
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2100 @ 40			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI				110 - 12			19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12			110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, 19 -		28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 750	10 @ 600	10 @ 750	10 @ 725	15 @ 700	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 750	550 @ 600	550 @ 750	550 @ 725	550 @ 700	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc				@ 725 - 550			24
25 Calibration PSI @ RPM	155 @ 1800	159 @ 1800	155 @ 1800	131 @ 2000	144 @ 2000	152 @ 1800	25
26 Calibration Flow	1280	800	1280	650	540	740	26
27 Check Point (1) PSI @ RPM	126 - 132 @ 1500	118 - 124 @ 1500	126 - 132 @ 1500	87 - 93 @ 1400	123 - 129 @ 1600	125 - 131 @ 1500	27
28 Check Point (1) Flow	1150	700	1150	535	430	680	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.780 - 143848	.760 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	33
34 Idle Plunger Code - Part No.	10 - 141625	30 - 141633	12 - 141626	40 - 137370	27 - 141632	25 - 141631	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	153236 - .000	3000936 - .060	153236 - .000	3001155 - .090	153236 - .000	153237 - .000	37
38 Gear Pump Size In.	1.250	1.000	1.250	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138787 - .020 -		138787 - .020 - .620	138801 - .060 - .610	138788 - .020 -	138787 - .020 - .620	41
42 VS Gov. Max. Spring - Ref. Shims				70821 - .000			42
43 VS Gov. Idle Spring				138810			43
44 VS Gov. Weights				163826			44
45 VS Gov. Plunger				3278180			45
46 VS Gov. Sleeve				3014693			46
47 AFC Barrel & Plunger Assembly				3058944			47
48 AFC In./Hg - PSI					12 - 5.8		48
49 AFC RPM - PSI				1600 - 38	1600 - 50		49
50 AFC Flow - pph				290	750		50
51 AFC Spring - Gage Height-In.				179826 -	179826 -		51
52 AFC Bias Spring				3051071			52
53 AFC No Air RPM - PSI				1600 - 55	1600 - 14		53
54 AFC No Air Flow				400	360		54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	2002 GEN	2002 GEN	2000 GEN	2002 CONS	2000 LOCO	2000 GEN	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-G2	KTA38-G-GS-GC2	KTA50-G2	KTA38-C-950	KTA19-R-510	KTA38-G-GS-GC1	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N.3075537. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH "K" FAMILY R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 147-163 PSI(60HZ FUEL PRESSURE AT RAIL TO BE 122-135 PSI(50HZ INTAKE MANIFOLD PRESSURE 71-81 IN.HG (50HZ) THIS CODE REPLACES B943
- (2) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 143-158 PSI. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075834. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B923.
- (3) FOR USE WITH WOODWARD PSG GOV SYSTEM. USE FUEL PUMP P.N.3075661. USE WITH FUEL LINE CHECK VALVES. USE WITH INJECTOR P/N 3067393. FUEL PRESSURE AT RAIL TO BE 147-163 PSI(60HZ FUEL PRESSURE AT RAIL TO BE 122-135 PSI(50HZ INTAKE MANIFOLD PRESSURE 71-81 IN.HG (50HZ) FIRST USED ON S.O.75641.
- (4) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N.3077031. USE GEAR PUMP P.N.3034245. FUEL PRESSURE AT RAIL TO BE 123-137 PSI. USE WITH R.D.F. INJECTORS. USE INJECTORS P.N.3628235. USE BIAS SPRING P/N 3051071. USE SMALL BORE THROTTLE SHAFT.
- (5) USE FUEL PUMP P.N.3074860. USE INJECTORS P/N 3016676 (NON R.D.F.). USE THROTTLE SHAFT P/N 3006450. FOR USE WITH M.U.T.C. UNIT. VALVE 1: ORIFICE SIZES .027 & BLANK. VALVE 2: ORIFICE SIZES .032" & BLANK. VALVE 3: ORIFICE SIZES .047" & BLANK. VALVE 4: ORIFICE SIZES .040" & BLANK. POSITION 5 REQUIRES BLANK ORIFICE.
- (6) USE WITH CUSTOMER SUPPLIED GOVERNOR SYSTEM. USE WITH W/W PSG GOVERNOR SYSTEM. FUEL PRESSURE AT RAIL TO BE 136-150 PSI. USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075834. USE WITH R.D.F. INJECTORS. FIRST USED ON S.O.99679.

1 Pump Code	BA67-A	BA68-C	BA81-A	BA84-B	BA85-A	BA86-B	
2 Date - Control Parts List	DEC92 - 0809	MAY93 - 0809	DEC92 - 1544	DEC92 - 1628	DEC92 - 0901	JAN93 - 1643	1
3 Test HP @ RPM	920 - 930 @ 2100	920 - 930 @ 2100	2220 - 2243 @ 1800	824 - 834 @ 1800	895 - 905 @ 2100	643 - 655 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	165 - 183	165 - 183	148 - 163	95 - 105	154 - 170	167 - 184	4
6 Fuel Rate Pound Per Hour	322 - 342	322 - 342	701 - 745	276 - 293	315 - 337	218 - 234	5
7 Intake Manifold Press. In./Hg	46 - 56	46 - 56	76 - 86	34 - 42	46 - 54	55 - 63	6
8 Torque Rise % - Curve	30 - C-4414-A	30 - C-4414-A	3 - C-4578	10 - 00000000	20 - C-4203	17 - 000000	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2240 - 2260	2130 - 2150	1930 - 1950	1930 - 1950	2200 - 2230	2200 - 2220	10
12 VS/Sec. Gov. Setting-RPM				1830 - 1850	2130 - 2150		11
13 Cruise Speed-PSI @ RPM	158 - 164 @ 2250						12
14 Max. Auto. Gov. Check-RPM @ PSI	2550 @ 15	2416 @ 40	2100 @ 40	2200 @ 40		2400 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI	2400 @ 15	2296 @ 40		2000 @ 40		2300 @ 40	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2450 @ 15			2100 @ 40	2300 @ 40		17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2250 @ 15			1900 @ 40	2300 @ 40		18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	19
21 Throttle Travel-Auto. VS, Levr	28, 12 -	28, -	28, -	28, 16 -	28, 16 -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 725	10 @ 750	10 @ 725	10 @ 725	15 @ 850	21
23 Idle Speed cc @ RPM-Auto.	550 @ 725	550 @ 725	550 @ 750	550 @ 725	550 @ 725	250 @ 850	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 725 - 550			@ 725 - 550	@ 725 - 550		23
25 Calibration PSI @ RPM	174 @ 2100	174 @ 2100	155 @ 1800	106 @ 1800	167 @ 2100	171 @ 2100	24
26 Calibration Flow	660	680	1280	575	630	440	25
27 Check Point (1) PSI @ RPM	111 - 117 @ 1300	109 - 115 @ 1300	123 - 129 @ 1500	88 - 94 @ 1500	112 - 118 @ 1500	110 - 116 @ 1400	26
28 Check Point (1) Flow	530	545	1150	530	550	355	27
29 Check Point (2) PSI @ RPM	48 - 54 @ 800						28
30 Check Point (2) Flow	330						29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.780 - 143854	.780 - 143848	.780 - 143648	.760 - 143854	.780 - 143848	.780 - 143848	32
34 Idle Plunger Code - Part No.	25 - 141631	25 - 141631	12 - 141626	40 - 137370	35 - 140922	32 - 141634	33
35 Fuel Pump Housing	3077032	3279603		3075631	3075631	3080504	34
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	35
37 Auto. Gov. Spring - Ref. Shims	153236 - .000	153237 - .090	153236 - .000	153236 - .090	143251 - .090	153236 - .090	36
38 Gear Pump Size In.	1.000	1.000	1.250	.750	1.000	1.000	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3040760	39
41 Torque Spring - Shims - Gage Height	139584 - .010 - .670	3002056 - .037 - .637	138787 - .020 -	138800 - .050 - .600	138789 - .040 - .640	139588 - .020 - .620	40
42 VS Gov. Max. Spring - Ref. Shims	109690 - .000			109686 - .000	109686 - .000		41
43 VS Gov. Idle Spring	138810			138810	138810		42
44 VS Gov. Weights	163826			163826	163826		43
45 VS Gov. Plunger	3278180			212350	212350		44
46 VS Gov. Sleeve				3014693	3014693		45
47 AFC Barrel & Plunger Assembly	3058944	3058944		3058944	3058944	3058944	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1600 - 62	1600 - 50		1600 - 34	1600 - 45	1600 - 30	48
50 AFC Flow - pph	350	340		320	290	170	49
51 AFC Spring - Gage Height-In.	179828 -	179828 -		179824 -	179824 -	179828 -	50
52 AFC Bias Spring	3051071	3051071		3051071	3051071	3071947	51
53 AFC No Air RPM - PSI	1600 - 73	1600 - 60		1600 - 56	1600 - 65	1600 - 42	52
54 AFC No Air Flow	380	370		410	340	210	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly						3063504	58
60 PT Pacer Assembly						3070562	59
61 Fuel Line Check Valve							60
62 Certified Year/Agency		2000 CONS	2000 GEN	2002 CONS	2002 LOCO	2002 LOCO	61
63 Certified Year/Agency					2002 INDP		62
64 Certified Year/Agency					2002 CONS		63
65 Certified Year/Agency							64
66 Engine Model	KT38-C-925	KT38-C-925	KTA50-G2	KTA38-C	KT38-C-P-L900	KTA19-R-650	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE FUEL PUMP P.N.3077031. USE 1.00 INCH GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 161-173 PSI. USE WITH R.D.F. INJECTORS. USE WITH FUEL LINE CHECK VALVES. USE BIAS SPRING P.N.3051071. USE SMALL BORE THROTTLE SHAFT. AUTO GOV TO BE LOCKED OPEN. CRUISE RAIL VERSION OF BA45.
- (2) USE FUEL PUMP P.N.3075616. USE 1.00 INCH P.T.G. GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 161-173 PSI. USE WITH R.D.F. INJECTORS. USE WITH FUEL LINE CHECK VALVES. USE BIAS SPRING P.N.3051071. THIS CODE REPLACES 8826.
- (3) FOR USE WITH WOODWARD PSG GOV SYSTEM. USE FUEL PUMP P.N.3075661. USE WITH FUEL LINE CHECK VALVES. USE WITH INJECTOR P/N 3067393. FUEL PRESSURE AT RAIL TO BE 147-163 PSI(60HZ FUEL PRESSURE AT RAIL TO BE 122-135 PSI(50HZ INTAKE MANIFOLD PRESSURE 71-81 IN.HG (50HZ) FIRST USED ON S.O.75641.
- (4) USE FUEL PUMP P.N. 3075630. USE WITH FUEL LINE CHECK VALVES. USE WITH INJECTORS P.N. 3628235. FUEL PRESSURE AT RAIL TO BE 96-106 PSI. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P/N 3046680. FIRST USED ON S.O.99760.
- (5) USE FUEL PUMP P.N. 3080513. USE WITH FUEL LINE CHECK VALVES. FUEL PRESSURE AT RAIL TO BE 152-163 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P/N 3046680. THIS CODE REPLACES 8825.
- (6) USE FUEL PUMP P.N.3080526. USE PACER HOUSING P.N. 3070562. USE WITH N/C E.F.C. P.N.3063504 USE WITH 1.00 INCH GEAR PUMP. USE SMALL BORE THROTTLE SHAFT. USE FRONT COVER P.N.3051752. USE BIAS SPRING P.N. 3071947.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES BA87-A - BA95-A

1 Pump Code	BA87-A	BA88-A	BA91-A	BA93-A	BA94-B	BA95-A	1
2 Date - Control Parts List	DEC92 - 0816	DEC92 - 0851	MAR93 - 0878	MAR93 - 0844	MAR93 - 1628	MAR93 - 1628	2
3 Test HP @ RPM	1450 - 1464 @ 1800	1176 - 1224 @ 1800	1592 - 1609 @ 1900	1046 - 1055 @ 1900	1046 - 1055 @ 2100	1046 - 1055 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	129 - 142	152 - 168	128 - 140	120 - 132	141 - 155	130 - 143	5
6 Fuel Rate Pound Per Hour	500 - 534	384 - 408	518 - 549	342 - 364	357 - 379	342 - 366	6
7 Intake Manifold Press. In./Hg	53 - 60	54 - 60	54 - 64	44 - 52	45 - 55	47 - 51	7
8 Torque Rise % - Curve	3 - P-4388-B	- C-4130	4 - P-4355	17 - P-4420	30 - P-4417	18 - P-4420	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	1960 - 1980	2030 - 2050	2030 - 2050	2130 - 2150	2120 - 2140	11
12 VS/Sec. Gov. Setting-RPM		1860 - 1880	1930 - 1950				12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2200 @ 40	2250 @ 40		2400 @ 40	2300 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI	1980 @ 40	2100 @ 40	2150 @ 40		2260 @ 40	2200 @ 40	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2100 @ 40	2100 @ 40				18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2000 @ 40	2000 @ 40				19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, 18 -	28, 16 - 1	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 600	10 @ 725	10 @ 725	10 @ 725	10 @ 725	22
23 Idle Speed cc @ RPM-Auto.	550 @ 725	550 @ 600	550 @ 725	550 @ 725	550 @ 725	550 @ 725	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 600 - 550	@ 725 - 550				24
25 Calibration PSI @ RPM	135 @ 1800	159 @ 1800	134 @ 1900	137 @ 1900	150 @ 2100	150 @ 2100	25
26 Calibration Flow	980	800	980	690	700	700	26
27 Check Point (1) PSI @ RPM	107 - 113 @ 1500	119 - 125 @ 1500	99 - 105 @ 1500	113 - 116 @ 1500	105 - 110 @ 1300	103 - 109 @ 1300	27
28 Check Point (1) Flow	880	700	850	610	590	580	28
29 Check Point (2) PSI @ RPM				104 - 107 @ 1300			29
30 Check Point (2) Flow				570			30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.760 - 143848	.780 - 143848	.750 - 143848	.780 - 143848	.780 - 143848	.800 - 143848	33
34 Idle Plunger Code - Part No.	30 - 141633	25 - 141631	32 - 141634	17 - 140417	20 - 141629	20 - 141629	34
35 Fuel Pump Housing					3279672		35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .060	147295 - .090	3000937 - .130	3000940 - .000	153238 - .185	3001155 - .000	37
38 Gear Pump Size In.	1.250	1.000	1.250	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138800 - .020 - .563		138799 - .060 - .570	3053167 - .610 -	3821486 - .030 - .635	138782 - .040 -	41
42 VS Gov. Max. Spring - Ref. Shims		70821 - .000	109686 - .000				42
43 VS Gov. Idle Spring		138810	138810				43
44 VS Gov. Weights		163826	163826				44
45 VS Gov. Plunger		3018640	212350				45
46 VS Gov. Sleeve		3014693	3014693			3014693	46
47 AFC Barrel & Plunger Assembly	3058944		3058944	3077526	3058944		47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1600 - 24		1600 - 14	1600 - 30	1600 - 35	1600 - 30	49
50 AFC Flow - pph	330		286	300	350	300	50
51 AFC Spring - Gage Height-In.	179830 -		179830 -	179828 -	179828 -	179828 -	51
52 AFC Bias Spring	3051070		3051071		3051071	3051071	52
53 AFC No Air RPM - PSI	1600 - 40		1600 - 32	1600 - 40	1600 - 52	1600 - 52	53
54 AFC No Air Flow	460		480	380	400	400	54
55 ASA Valve							55
56 TMD Set with STS89 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	2002 CONS	2002 GEN	2002 CONS	2003 CONS	2003 CONS	2003 CONS	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-C	KTA38-G-GS-GC2	KTA50-C-1600	KTA38-C-1050	KTA38-C-P-1050	KTA38-C-P-1050	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) FOR USE WITH W.W.PSG GOV SYSTEM. USE FUEL PUMP P.N. 3075625. FUEL PRESSURE AT RAIL TO BE 121-135 PSI. USE WITH FUEL LINE CHECK VALVES. REPLACES BA53 A.F.C. ADDED. USE BIAS SPRING P.N. 3051070.
- (2) USE WITH WWW PSG MOTORHEAD GOVERNOR SYSTEM. USE FUEL PUMP P.N.3075664. FUEL PRESSURE AT RAIL TO BE 143-158 PSI. USE WITH FUEL LINE CHECK VALVES. THIS CODE REPLACES B790.
- (3) USE FUEL PUMP P.N.3080512. V.S.THROTTLE TRAVEL 22 DEG MAX. FUTURE REPLACEMENT FOR B835. NOT YET RELEASED. USE BIAS SPRING P.N. 3051070.
- (4) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3080501. USE WITH 1"GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 131-137 PSI. USE WITH R.D.F. INJECTORS. USE WITH CUMMINS N.O. EFC GOVERNOR SYSTEM. NEW INJECTOR VERSION OF B507.
- (5) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3080584. FOR USE WITH R.D.F. INJECTORS. FOR BIAS SPRING SEE EXP.FPEPS. THIS CODE REPLACES B844 FOR PRODUCTION. USE WITH SMALL BORE THROTTLE SHAFT 3046680.
- (6) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3080584. FOR USE WITH R.D.F. INJECTORS. FUEL PRESSURE AT RAIL TO BE 122-136 PSI. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P/N 3046680. THIS CODE REPLACES B845. NEW INJECTORS.

1 Pump Code	BA96-A	BA97-A	BA98-A	BA99-A	BB01-A	BB03-A	
2 Date - Control Parts List	MAR93 - 1628	MAY93 - 1628	MAR93 - 0809	JUN91 - 1219	APR92 - 0816	MAR93 - 1628	1
3 Test HP @ RPM	1046 - 1055 @ 1900	1028 - 1070 @ 2100	920 - 930 @ 1900	- @ 2000	1491 - 1509 @ 1900	1046 - 1055 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	120 - 132	141 - 155	152 - 170	- 170	140 - 160	143 - 158	4
6 Fuel Rate Pound Per Hour	348 - 375	362 - 386	298 - 320		507 - 545	357 - 379	5
7 Intake Manifold Press. In./Hg	46 - 51	47 - 57	45 - 49		71 - 79	45 - 55	6
8 Torque Rise % - Curve	17 - P-4420	30 - C-4417-A	18 - P-4414	- 000000	5 - P-4387	30 - C-4417-A	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2020 - 2040	2280 - 2300	1930 - 1950	2020 - 2040	2020 - 2040	2230 - 2250	10
12 VS/Sec. Gov. Setting-RPM	1940 - 1960					2130 - 2150	11
13 Cruise Speed-PSI @ RPM		120 - 140 @ 2250					12
14 Max. Auto. Gov. Check-RPM @ PSI	2185 @ 15	2600 @ 40	2200 @ 40	2100 @ 40	2225 @ 15	2543 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI		2400 @ 40	2000 @ 40		2125 @ 15	2423 @ 40	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2450 @ 40				2317 @ 40	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2300 @ 40				2197 @ 40	18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	75 -	110 - 12	110 - 12	19
21 Throttle Travel-Auto., VS, Lev	28, 16 -	28, 12 -	28, -		28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 700	10 @ 725	10 @ 725	10 @ 600	10 @ 700	10 @ 725	21
23 Idle Speed cc @ RPM-Auto.	550 @ 700	550 @ 725	550 @ 725	550 @ 600	550 @ 700	550 @ 725	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 725 - 550				@ 725 - 550	23
25 Calibration PSI @ RPM	104 @ 1900	150 @ 2100	158 @ 1900	200 @ 2000	150 @ 1900	150 @ 2100	24
26 Calibration Flow	660	655	640	1500	1015	700	25
27 Check Point (1) PSI @ RPM	72 - 78 @ 1300	100 - 106 @ 1300	110 - 116 @ 1300	120 - 126 @ 1500	111 - 117 @ 1500	103 - 109 @ 1300	26
28 Check Point (1) Flow	570	540	530	1198	863	580	27
29 Check Point (2) PSI @ RPM	48 - 54 @ 1000	70 - 76 @ 1000		53 - 59 @ 1000			28
30 Check Point (2) Flow	450	450		830			29
31 Check Point (3) PSI @ RPM	30 - 36 @ 800	52 - 58 @ 800		33 - 39 @ 800			30
32 Check Point (3) Flow	380	380		670			31
33 Weight Assist Setting - Spring	.800 - 143848	.780 - 143848	.780 - 143848	- 143848	.760 - 143848	.780 - 143848	32
34 Idle Plunger Code - Part No.	37 - 140418	27 - 141632	25 - 141631	0 - 141626	25 - 141631	17 - 140417	33
35 Fuel Pump Housing		3077032	3279672		3077016	3075631	34
36 Auto. Idle Spring	144195	144195	144195	144195	3018767	144195	35
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	3000938 - .140	153238 - .150	3001149 - .000	3000938 - .110	3000938 - .160	36
38 Gear Pump Size In.	.750	1.000	1.000	1.250	1.250	1.000	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3040760	3010810	39
41 Torque Spring - Shims - Gage Height	138784 - .000 -	3053169 - .125 - .610	138997 - .117 - .617		138793 - .030 - .580	3821489 - .040 - .608	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000				109686 - .000	41
43 VS Gov. Idle Spring	138810	138810				138810	42
44 VS Gov. Weights	163826	163826				163826	43
45 VS Gov. Plunger	3018640	3278180				212350	44
46 VS Gov. Sleeve		3014693				3014693	45
47 AFC Barrel & Plunger Assembly		3058944	3058944		3058944	3058944	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1600 - 38	1600 - 30	1600 - 45		1600 - 22	1600 - 35	48
50 AFC Flow - pph	415	300	350		337	350	49
51 AFC Spring - Gage Height-In.	179824 -	179828 -	179828 -		3007694 -	179828 -	50
52 AFC Bias Spring		3051071	3051071		3051072	3051071	51
53 AFC No Air RPM - PSI	1600 - 41	1600 - 53	1600 - 56		1600 - 25	1600 - 52	52
54 AFC No Air Flow	420	400	400		366	400	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly					3063511		58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	2003 CONS	2003 CONS	2002 CONS		1992 CONS	2002 CONS	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA38-C-1050	KTA38-C-P-1050	KT38-C-925	KTA50-G3	KTTA50-C-"B"-1800	KTA38-C-P-1050	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP 3279715 USE 0.75 INCH FUEL GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 90-100 KPA. USE WITH R.D.F. INJECTORS. THIS CODE REPLACES B851. NEW INJECTORS. USE BIAS SPRING P/N 3051071.
- (2) USE FUEL PUMP P.N. 3077031. THIS CODE REPLACES B982. INJECTOR CHANGE. FUEL PRESSURE AT RAIL TO BE 131-137 PSI. USE BIAS SPRING P.N. 3051071. USE V.S. PLUNGER P.N. 3278180. FOR KOMATSU H D 785 ONLY. CHECK POINT AT 2250 RPM 94 PSI 680 LB/HR. ADJ. CH/PT AT 800 RPM TO 33 PSI 380 LB/HR.
- (3) USE FUEL PUMP P.N. 3080584. THIS CODE REPLACES B846. FUEL PRESSURE AT RAIL TO BE 142-157 PSI. USE WITH R.D.F. INJECTORS. USE WITH FUEL LINE CHECK VALVES. USE BIAS SPRING P.N. 3051071. FOR USE WITH SMALL BORE THROTTLE SHAFT.
- (4) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM USE WITH PUMP P.N. 3279627. NOT FOR PRODUCTION. USED ONLY FOR CHECKING TEST STANDS. CONTACT S. MORRIS OR J. BULLOCK.
- (5) USE FUEL PUMP P.N. 3076987. FUEL PRESSURE AT RAIL TO BE 135-150 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH R.D.F. INJECTORS. USE N.O. EFC ACTUATOR WITH 3070562 HOUSING USE BIAS SPRING P.N. 3051072. USE HOUSING P.N. 3077016 USE FRONT COVER P.N. 3051752. SERVICE ONLY.
- (6) USE WITH FUEL CHECK VALVES ONLY. USE FUEL PUMP P.N. 3080513. FOR USE WITH R.D.F. INJECTORS. USE WITH 1.00 INCH PTG GEAR PUMP. USE BIAS SPRING P.N. 3051071. USE SMALL BORE THROTTLE SHAFT P.N. 3046680.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES BB04-A - BB09-A

1 Pump Code	BB04-A	BB05-B	BB06-A	BB07-A	BB08-A	BB09-A	1
2 Date - Control Parts List	DEC92 - 1250	APR93 - 0816	DEC92 - 6207	JAN93 - 1528	APR93 - 1251	JAN93 - 1251	2
3 Test HP @ RPM	1940 - 1960 @ 1900	1422 - 1437 @ 1800	1393 - 1408 @ 1750	1634 - 1650 @ 1800	1340 - 1353 @ 1800	1340 - 1353 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	149 - 164	129 - 143	139 - 154	94 - 104	164 - 181	145 - 161	5
6 Fuel Rate Pound Per Hour	642 - 681	485 - 514	463 - 492	531 - 564	434 - 461	432 - 463	6
7 Intake Manifold Press. In./Hg	64 - 74	50 - 60	46 - 56	55 - 65	52 - 66	58 - 68	7
8 Torque Rise % - Curve	5 - 0000000000	4 - 00000000	18 - P-4897	9 - C-4568	7 - C-4574	7 - C-4574	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1960 - 1980	1860 - 1880	1880 - 1900	1930 - 1950	2030 - 2050	2000 - 2020	11
12 VS/Sec. Gov. Setting-RPM			1780 - 1800		1930 - 1950		12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2110 @ 40	2090 @ 15	2150 @ 40	2160 @ 40	2450 @ 40	2300 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI	1990 @ 40	1970 @ 15	1950 @ 40	2040 @ 40	2300 @ 40	2150 @ 40	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2050 @ 40		2150 @ 40		18
19 Min. VS/Sec. Gov. Check-RPM @ PSI			1850 @ 40		2000 @ 40		19
20 Throttle Leakage-cc - gph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Lever	28, - 1	28, - 1	28, -	28, -	28, - 19	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 725	10 @ 725	10 @ 725	10 @ 600	10 @ 600	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	65 @ 725	65 @ 700	550 @ 725	550 @ 600	550 @ 600	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc			@ 725 - 550	@ 600 - 550	@ 600 - 550	@ 600 - 550	24
25 Calibration PSI @ RPM	167 @ 1900	138 @ 1800	147 @ 1750	99 @ 1800	172 @ 1800	153 @ 1800	25
26 Calibration Flow	1090	920	870	915	850	750	26
27 Check Point (1) PSI @ RPM	119 - 125 @ 1500	106 - 112 @ 1500	118 - 124 @ 1300	87 - 93 @ 1500	146 - 152 @ 1500	128 - 134 @ 1500	27
28 Check Point (1) Flow	920	823	780	855	790	685	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.780 - 143848	.800 - 143848	.750 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	33
34 Idle Plunger Code - Part No.	15 - 139894	27 - 141632	15 - 139894	35 - 140922	20 - 141629	27 - 141632	34
35 Fuel Pump Housing	3079537	3079537	3080511	3279620	3080590	3279620	35
36 Auto. Idle Spring	3018767	3018767	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3000937 - .060	3000938 - .105	143254 - .100	153237 - .100	143253 - .105	143252 - .100	37
38 Gear Pump Size In.	1.250	1.000	1.250	1.250	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040760	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height		142704 - .031 - .581	138998 - .119 - .612	3052124 - .053 - .553	3053165 - .085 - .585	3053164 - .075 - .575	41
42 VS Gov. Max. Spring - Ref. Shims			109686 - .000		109686 - .000		42
43 VS Gov. Idle Spring			138810		138810		43
44 VS Gov. Weights			163826		179826		44
45 VS Gov. Plunger			212350		212350		45
46 VS Gov. Sleeve			3014693				46
47 AFC Barrel & Plunger Assembly	3077526	3077526	3058944				47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1600 - 27	1600 - 22	1600 - 17				49
50 AFC Flow - gph	389	387	320				50
51 AFC Spring - Gage Height-In.	3007692 - .117	179836 - .117	179830 -				51
52 AFC Bias Spring	3071951	3071952	3051070				52
53 AFC No Air RPM - PSI	1600 - 30	1600 - 32	1600 - 50				53
54 AFC No Air Flow	411	480	480				54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly	3063511						59
60 PT Pacer Assembly	3076986						60
61 Fuel Line Check Valve							61
62 Certified Year/Agency		1995 LOCO	2002 CONS	1996 GEN	2003 GEN	1996 GEN	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-C-2000-E	KTA50-L-1430	KTA50-C-1400	KTA50-G3	KTA38-G3	KTA38-G3	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP P/N 3080500 USE BIAS SPRING P/N 3071951 USE FRONT COVER P/N 3051752. USE WITH N.O 24 VOLT EFC P/N 3063511 USE REMOTE MOUNTED SHUTOFF VALVE. FUEL PRESSURE AT RAIL TO BE 149-164 PSI LOCK AUTO THROTTLE WIDE OPEN
- (2) USE FUEL PUMP P/N 3080535 USE BIAS SPRING P/N 3071952 USE G.A.C GOVERNOR KIT P/N 3628376 LOCK AUTO THROTTLE WIDE OPEN
- (3) USE FUEL PUMP P.N. 3080512. FIRST USED ON S.O.75663. USE WITH 1.25 INCH GEAR PUMP P.N 3034221. USE BIAS SPRING P.N. 3051070. FUEL PRESSURE AT RAIL TO BE 138-144 PSI.
- (4) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM USE FUEL PUMP P.N 3075537. FUEL PRESSURE AT RAIL TO BE 90-99 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH INJECTOR P.N 3067393. USE EXT COOLED GEAR PUMP. RESTRICTED TO PRIME POWER USE ONLY.
- (5) USE WITH WOODWARD P.S.G.GOVERNOR. FUEL PUMP P.N. 3080591. FUEL PRESSURE AT RAIL TO BE 157-174 PSI. USE WITH FUEL LINE CHECK VALVES. FIRST USED ON S.O.71240. TWIN LEVERED PUMP.
- (6) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075529. FUEL PRESSURE AT RAIL TO BE 138-153 PSI. USE WITH FUEL LINE CHECK VALVES. USE 1.00" EXTERNALLY COOLED GEAR PUMP. RESTRICTED TO PRIME POWER USE ONLY.

1 Pump Code	BB10-A	BB11-A	BB12-A	BB13-A	BB14-A	BB15-A	1
2 Date - Control Parts List	FEB93 - 0816	JUN93 - 0859	FEB93 - 1542	JUL93 - 6207	MAR93 - 1544	MAR93 - 1541	2
3 Test HP @ RPM	1790 - 1810 @ 1900	1194 - 1206 @ 2100	1491 - 1505 @ 1800	1249 - 1263 @ 1500	2220 - 2243 @ 1800	1340 - 1353 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	157 - 174	124 - 137	192 - 212	119 - 132	113 - 125	168 - 186	5
6 Fuel Rate Pound Per Hour	578 - 606	423 - 448	483 - 511	401 - 428	595 - 631	421 - 445	6
7 Intake Manifold Press. In./Hg	63 - 73	44 - 52	62 - 70	41 - 49	61 - 71	59 - 67	7
8 Torque Rise % - Curve	10 - P-4387	15 - P-4424	- C-4778	2 - P-4355	3 - C-4576-A	7 - C-4574	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2030 - 2050	2230 - 2250	1930 - 1950	1630 - 1650	1930 - 1950	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM		2130 - 2150		1530 - 1550			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2500 @ 40	2060 @ 40	1800 @ 40	2100 @ 40	2100 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI		2350 @ 40	1920 @ 40	1700 @ 40	1980 @ 40		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2350 @ 40		1700 @ 40			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2200 @ 40		1600 @ 40			19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, 21 -	28, -	28, - 1	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 725	10 @ 600	10 @ 725	10 @ 750	10 @ 600	22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 725	550 @ 600	550 @ 725	550 @ 750	550 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 725 - 550		@ 725 - 550			24
25 Calibration PSI @ RPM	165 @ 1900	125 @ 2100	202 @ 1800	125 @ 1500	119 @ 1800	177 @ 1800	25
26 Calibration Flow	1050	720	950	780	1035	820	26
27 Check Point (1) PSI @ RPM	132 - 138 @ 1500	72 - 78 @ 1300			91 - 97 @ 1500	153 - 159 @ 1500	27
28 Check Point (1) Flow	910	530			914	760	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.780 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	.780 - 143848	33
34 Idle Plunger Code - Part No.	15 - 139894	42 - 140923	17 - 140417	22 - 141630	35 - 140922	12 - 141626	34
35 Fuel Pump Housing		3075631	3279620		3279620		35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001156 - .000	3000936 - .115	143251 - .088	153238 - .070	3000936 - .125	143253 - .000	37
38 Gear Pump Size In.	1.250	1.000	1.250	1.250	1.250	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3009380	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height		138802 - .075 - .625			142704 - .040 -	138791 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims		109686 - .000		109686 - .000			42
43 VS Gov. Idle Spring		138810		138810			43
44 VS Gov. Weights		163826		163826			44
45 VS Gov. Plunger		212350		212350			45
46 VS Gov. Sleeve		3014693		3014693			46
47 AFC Barrel & Plunger Assembly	3077526	3077526		3077526			47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1600 - 15	1600 - 26		1400 - 30			49
50 AFC Flow - pph	282	300		355			50
51 AFC Spring - Gage Height-In.	179836 -	179830 -		179826 -			51
52 AFC Bias Spring		3071950		3071704			52
53 AFC No Air RPM - PSI	1600 - 23	1600 - 38		1400 - 40			53
54 AFC No Air Flow	360	400		400			54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly			3063505				59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1996 CONS	2003 CONS	2003 GEN		2002 GEN		62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-C-"B"-1700	KTA38-C-P-L-1200	KTA38-G4	KTA50-L-1257	KTA50-G2	KTA38-G3	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

(1) USE FUEL PUMP P.N. 3080500. FUEL PRESSURE AT RAIL TO BE 151-168 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH SHAPED PORT A.F.C. FOR USE WITH N.O. E.F.C. GOVERNOR. USE PACER HOUSING P.N. 3070562. FIT 0.013" ORIFICE IN PACER HOUSING.

(2) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3080597. USE SMALL BORE THROTTLE SHAFT. FUEL PRESSURE AT RAIL TO BE 113-125 PSI. USE BIAS SPRING P.N. 3071949. K/H A.F.C. REPLACEMENT FOR 8884.

(3) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM. USE FUEL PUMP P.N. 3075537. FUEL PRESSURE AT RAIL TO BE 189-210 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP EFC. DEDICATED HOUSING. USE WITH R.D.F. INJECTORS. 1800 RPM ONLY. PRIME POWER VERSION OF BA58.

(4) USE FUEL PUMP P.N. 3077529. USE WITH K/H AFC P.N. 3077526. USE BIAS SPRING P.N. 3071704.

(5) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM USE FUEL PUMP P.N. 3075537. FUEL PRESSURE AT RAIL TO BE 107-119 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. RESTRICTED TO PRIME POWER USE ONLY.

(6) CUSTOMER SUPPLIED GOV SYSTEM. USE FUEL PUMP P.N. 3075661. FUEL PRESSURE AT RAIL TO BE 156-173 PSI. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FIRST USED ON S.O.99552.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES BB16-A - BX01-A

1 Pump Code	BB16-A	BB17-A	BB18-A	BC32-A	B058-A	BX01-A	1
2 Date - Control Parts List	APR93 - 1657	APR93 - 0859	MAY93 - 0859	SEP92 - 1800	NOV91 - 0872	JUN92 - 0000	2
3 Test HP @ RPM	1469 - 1484 @ 1500	955 - 964 @ 1800	1194 - 1206 @ 1900	55 - 60 @	1303 - 1316 @ 1900	1940 - 1960 @ 1900	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	155 - 171	117 - 129	123 - 136		168 - 186	161 - 178	5
6 Fuel Rate Pound Per Hour	487 - 516	324 - 344	392 - 419		448 - 476	644 - 683	6
7 Intake Manifold Press. In./Hg	49 - 59	38 - 46	49 - 57		63 - 69	65 - 75	7
8 Torque Rise % - Curve	- C-4896	3 - P-4423	5 - P-4423		7 - 000000	5 - 00000	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1630 - 1650	1930 - 1950	2030 - 2050		2060 - 2080	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM				2130 - 2150	1940 - 1960		12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	1750 @ 40	2150 @ 40	2200 @ 40			2128 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1600 @ 40	2050 @ 40				2014 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2457 @ 15	2200 @ 40		18
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2310 @ 15	2200 @ 40		19
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12			110 - 12	20
21 Throttle Travel-Auto., VS, Lever	28, -	28, -	28, -		19, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	10 @ 600	10 @ 725	10 @ 725		10 @ 700	10 @ 725	22
23 Idle Speed cc @ RPM-Auto.	550 @ 600	550 @ 725	550 @ 725		550 @ 700	550 @ 725	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	155 @ 1500	123 @ 1800	120 @ 1900	162 @ 2100	179 @ 1900	167 @ 1900	25
26 Calibration Flow	935	600	750	452	840	1090	26
27 Check Point (1) PSI @ RPM		81 - 87 @ 1300	85 - 91 @ 1500	110 - 116 @ 1300	130 - 136 @ 1500	121 - 127 @ 1500	27
28 Check Point (1) Flow		480	650	375	720	933	28
29 Check Point (2) PSI @ RPM			74 - 80 @ 1300	81 - 90 @ 1000			29
30 Check Point (2) Flow			580	320			30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.780 - 143848	.780 - 143848	.780 - 143848		.785 - 143854	.780 - 143848	33
34 Idle Plunger Code - Part No.	15 - 139894	37 - 140418	37 - 140418		22 - 141630	15 - 141629	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195		144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	143254 - .105	3000938 - .000	3000937 - .000		3001157 - .000	3000938 - .090	37
38 Gear Pump Size In.	1.250	1.000	1.000		1.000	1.250	38
39 Auto. Gov. Weights	146437	146437	146437		146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3040750		3010810	3040760	40
41 Torque Spring - Shims - Gage Height		138795 - .085 - .630	142699 - .040 -			142703 - .030 - .580	41
42 VS Gov. Max. Spring - Ref. Shims					109686 - .000		42
43 VS Gov. Idle Spring					138810		43
44 VS Gov. Weights					163826		44
45 VS Gov. Plunger					3018640		45
46 VS Gov. Sleeve					3014893		46
47 AFC Barrel & Plunger Assembly		3077526				3077525	47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI		1600 - 24	1600 - 28		1600 - 30	1600 - 27	49
50 AFC Flow - pph		260	325		330	389	50
51 AFC Spring - Gage Height-In.		179824 -	179828 -		3007698 -	3007692 -	51
52 AFC Bias Spring		3071949				3051072	52
53 AFC No Air RPM - PSI		1600 - 43	1600 - 38		1600 - 36	1600 - 30	53
54 AFC No Air Flow		330	380	800 - 27	180	411	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly	3063505					3063505	59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1996 GEN	2003 CONS	2002 LOCO				62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA50-G7	KTA38-L-960	KTA38L-1-1200		KTA38-C-1310	KTA50-C-2000	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)		SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH CUMMINS N.C. EFC GOVERNOR SYSTEM USE FUEL PUMP P/N 3075537. FUEL PRESSURE AT RAIL TO BE 137-152 PSI. USE WITH FUEL LINE CHECK VALVES. FUEL PUMP, DEDICATED EFC HOUSING. USE WITH INJECTOR P/N (NEW) USE EXT COOLED GEAR PUMP.
- (2) USE FUEL PUMP P.N. 3080584. USE SMALL BORE THROTTLE SHAFT. FOR USE WITH 3077526 A.F.C. USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS. FIRST USE ON S.O.71407.(TOSHIBA).
- (3) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N. 3080522. USE WITH N/C E.F.C.GOV. FUEL PRESSURE AT RAIL TO BE 113-124 PSI. USE WITH K/H A.F.C. USE PACER HOUSING P.N.3070562. FIRST USED ON S/O 71177.
- (5) USE FUEL PUMP P.N. 3279713 FUEL PRESSURE AT RAIL TO BE 164-176 PSI USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH FUEL LINE C/VALVES ONLY. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051070. SPARE SLOT.
- (6) USE FUEL PUMP P.N.3077035 USE BIAS SPRING 3071951 USE WITH FUEL LINE CHECK VALVES. USE WITH R.D.F. INJECTORS P/N 3279746. 2000 BHP AT 1900 RPM. USE FRONT COVER P.N.3051752 USE N/C 24 VOLT EFC P.N.3063505 USE REMOTE MOUNTED SOLENOID VALVE

1 Pump Code	BX02-A	BX03-A	BX06-C	BX07-A	BX10-A	E700-B	
2 Date - Control Parts List	MAY92 - 0000	JUL92 - 0816	NOV92 - 0870	MAR93 - 0968	MAY93 - 0816	MAR91 - 0334	1
3 Test HP @ RPM	1373 - 1387 @ 1750	1790 - 1810 @ 1900	1512 - 1527 @ 1900	1890 - 1909 @ 1900	1790 - 1810 @ 1900	514 - 535 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	109 - 121	181 - 200	148 - 158	156 - 172	181 - 200	145 - 161	4
6 Fuel Rate Pound Per Hour	461 - 489	608 - 646	511 - 542	635 - 672	608 - 646	186 - 194	5
7 Intake Manifold Press. In./Hg	35 - 43	71 - 79	56 - 61	69 - 77	71 - 79	42 - 50	6
8 Torque Rise % - Curve	18 - 0000	5 - P-4387	4 - C-4152	1 - P-4471-A	5 - P-4387	25 - C-3864-A	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1870 - 1890	2020 - 2040	2095 - 2115	1930 - 1950	2020 - 2040	2195 - 2215	10
12 VS/Sec. Gov. Setting-RPM	1770 - 1790		1930 - 1950			2130 - 2150	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2152 @ 15	2250 @ 40	2440 @ 15	2117 @ 15	2250 @ 40		13
15 Min. Auto. Gov. Check-RPM @ PSI	2047 @ 15	2000 @ 40	2320 @ 15	1997 @ 15	2000 @ 40		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	1999 @ 15		2080 @ 15			2345 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1901 @ 15		1960 @ 15			2345 @ 15	18
20 Throttle Leakage-cc - pph	110 - 12	110 - 12	110 - 12	110 - 12	110 - 12	110 -	19
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	38 - 1	38 - 1	28 -	20
22 Idle Speed PSI @ RPM-Auto.	10 @ 700	10 @ 725	10 @ 725	10 @ 750	10 @ 725	15 @ 700	21
23 Idle Speed cc @ RPM-Auto.	550 @ 700	550 @ 725	550 @ 725	65 @ 750	65 @ 725	250 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 550	@ 700 - 550	@ 725 - 550				23
25 Calibration PSI @ RPM	140 @ 1750	190 @ 1900	155 @ 1900	164 @ 1900	190 @ 1900	155 @ 2100	24
26 Calibration Flow	952	1150	950	1110	1150	600	25
27 Check Point (1) PSI @ RPM	106 - 112 @ 1300	135 - 141 @ 1500	111 - 117 @ 1500	120 - 126 @ 1500	135 - 141 @ 1500	97 - 104 @ 1300	26
28 Check Point (1) Flow	833	1000	810	970	1000	476	27
29 Check Point (2) PSI @ RPM						69 - 75 @ 1000	28
30 Check Point (2) Flow						392	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143848	.760 - 143848	.760 - 143848	.800 - 143848	.760 - 143848	.800 - 143855	32
34 Idle Plunger Code - Part No.	22 - 141630	15 - 139894	27 - 141632	20 - 141629	20 - 141629	27 - 141632	33
35 Fuel Pump Housing		3077016	3279601	3079537	3079537		34
36 Auto. Idle Spring	144195	3018767	144195	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143253 - .110	3000938 - .120	147293 - .085	3000939 - .160	3000938 - .120	153237 - .000	36
38 Gear Pump Size In.	1.250	1.250	1.250	1.250	1.250	1.000	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3009380	3040760	3010810	3040760	3040760	3010810	39
41 Torque Spring - Shims - Gage Height	138801 - .025 - .580	138793 - .030 - .580	138998 - .049 - .549	142704 - .051 - .601	138793 - .030 - .580	139586 - .040 -	40
42 VS Gov. Max. Spring - Ref. Shims	70822 - .000		109686 - .000			109686 - .000	41
43 VS Gov. Idle Spring	138810		138810			70778	42
44 VS Gov. Weights	163826		163826			163826	43
45 VS Gov. Plunger	212350		3018640			AR40230	44
46 VS Gov. Sleeve	3014693		3014693			212148	45
47 AFC Barrel & Plunger Assembly	3058944	3058944	3058944	3077526	3077526		46
48 AFC In./Hg - PSI						14 - 6.8	47
49 AFC RPM - PSI	1600 - 34	1600 - 22	1600 - 26	1600 - 26	1600 - 24	1600 - 56	48
50 AFC Flow - pph	480	337	350	432	373	346	49
51 AFC Spring - Gage Height-In.	179836 -	3007694 -	179836 -	179834 - .117	3000592 - .117	179836 -	50
52 AFC Bias Spring	3051073	3051072	3051072	3071951	3071952		51
53 AFC No Air RPM - PSI	1600 - 45	1600 - 25	1600 - 40	1600 - 40	1600 - 42	1600 - 34	52
54 AFC No Air Flow	560	366	450	530	505	275	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly		3063511		3063505	3063511		58
60 PT Pacer Assembly				3074025			59
61 Fuel Line Check Valve							60
62 Certified Year/Agency						1982 EPA	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTTA-50-C	KTTA50-C-"B"-1800	KTA50-C-1520	KTTA50-C-1900	KTTA50-C-"B"-1800	KTA19-525	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE BIAS SPRING 3051073 USE FUEL PUMP PART NO.3075618
- (2) USE FUEL PUMP P.N.3077086 FUEL PRESSURE AT RAIL TO BE 170-190 PSI. USE REMOTE MOUNTED SHUT OFF VALVE FOR MOTORING ENGINES ONLY USE WITH R.D.F. INJECTORS. USE N.O 24V EFC P.N 3063511 USE PACER HOUSING P.N 3070562 USE FRONT COVER P.N 3051752 USE BIAS SPRING P.N 3051072 SERVICE CODE FOR RABBIT CREEK ONLY
- (3) USE WITH FUEL LINE CHECK VALVES. USE FUEL PUMP P.N.3075618. USE WITH 1.25 INCH PTG GEAR PUMP. FUEL PRESSURE AT RAIL TO BE 142-154 PSI. USE WITH R.D.F. INJECTORS. USE BIAS SPRING P.N. 3051072 FOR USE AT CARDINAL RIVER ONLY
- (4) USE FUEL PUMP P.N.3077035 USE WITH BIAS SPRING 3071951 USE WITH FUEL LINE CHECK VALVES. USE WITH HYDRAULIC VARIABLE TIMING ONLY. USE WITH R.D.F. INJECTORS P/N 3056495. USE REMOTE MOUNTED SHUTOFF VALVE USE N.C 24V EFC VALVE 3063505 FOR BARRICK GOLD MINE SITE ONLY USE RESONANCE FIX BUTTON GUIDE 3036473
- (5) USE FUEL PUMP P.N.3080614 FUEL PRESSURE AT RAIL TO BE 170-190 PSI. USE REMOTE MOUNTED SHUT OFF VALVE FOR MOTORING ENGINES ONLY USE WITH R.D.F. INJECTORS. USE N.O 24V EFC P.N 3063511 USE PACER HOUSING P.N 3070562 USE RESONANCE FIX BUTTON GUIDE 3036473 USE BIAS SPRING P.N 3071952 SERVICE CODE FOR RABBIT CREEK ONLY
- (6) FOR USE WIHT HYD. ASA 3020760

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E701-B - E709-A

1 Pump Code	E701-B	E702-A	E703-A	E705-A	E706-A	E709-A	1
2 Date - Control Parts List	NOV91 - 0447	NOV91 - 0445	MAY93 - 0444	NOV91 - 0444	NOV91 - 0444	NOV91 - 0444	2
3 Test HP @ RPM	544 - 566 @ 1800	441 - 459 @ 2100	441 - 459 @ 2100	441 - 459 @ 2100	441 - 459 @ 2100	431 - 449 @ 1900	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	148 - 164	170 - 188	175 - 193	175 - 193	175 - 193	157 - 175	5
6 Fuel Rate Pound Per Hour	186 - 194	164 - 171	162 - 168	164 - 171	164 - 171	152 - 159	6
7 Intake Manifold Press. In./Hg	41 - 49	33 - 41	40 - 48	40 - 48	40 - 48	38 - 45	7
8 Torque Rise % - Curve	2 - C-3452-B	20 - C-3380-E	20 -	20 - C-3380-D	20 - C-3380-D	11 - C-3380-E	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1890 - 1910	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	1995 - 2015	11
12 VS/Sec. Gov. Setting-RPM	1830 - 1850	2130 - 2150	2130 - 2140	2130 - 2150	2130 - 2150	1930 - 1950	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 AS Gov. Setting-PSI @ RPM							16
17 Low HS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2325 @ 15	2400 @ 40	2400 @ 40	2400 @ 40	2165 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2325 @ 15	2400 @ 40	2400 @ 40	2400 @ 40	2165 @ 15	19
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	15 @ 700	15 @ 700	10 @ 700	12 @ 700	12 @ 700	15 @ 700	22
23 Idle Speed cc @ RPM-Auto.	250 @ 700	250 @ 700	250 @ 700	250 @ 700	250 @ 700	250 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	161 @ 1800	189 @ 2100	184 @ 2100	189 @ 2100	189 @ 2100	170 @ 1900	25
26 Calibration Flow	620	525	525	525	525	512	26
27 Check Point (1) PSI @ RPM	125 - 131 @ 1500	132 - 140 @ 1500	130 - 136 @ 1500	132 - 140 @ 1500	132 - 140 @ 1500	132 - 138 @ 1500	27
28 Check Point (1) Flow	546	436	436	436	436	454	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143847	.750 - 143855	.750 - 143855	.750 - 143855	.750 - 143855	.750 - 143855	33
34 Idle Plunger Code - Part No.	25 - 141631	27 - 141632	32 - 141634	27 - 141632	27 - 141632	27 - 141632	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000938 - .000	143251 - .000	143251 - .000	143251 - .000	143251 - .000	143251 - .000	37
38 Gear Pump Size In.	1.000	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height		138792 - .000 -	138792 - .000 -	138792 - .000 -	138792 - .000 -	138798 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	42
43 VS Gov. Idle Spring	153240	70778	70778	70778	70778	70778	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	AR40230	AR40230	AR40230	AR40230	AR40230	AR40230	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	7 - 3.4						48
49 AFC RPM - PSI	1600 - 35						49
50 AFC Flow - gph	275						50
51 AFC Spring - Gage Height-In.	179828 -						51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 76						53
54 AFC No Air Flow	410						54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT19-C	KT19-C	KT19-C	KT19-C	KT19-C	KT19-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)		SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP P.N. 3021980.
 (2) AFC HOUSING WITH AFC PLUG INSTALLED.
 (4) AFC HOUSING WITH AFC PLUG INSTALLED. FOR USE WITH CHECK VALVES ONLY.
 (5) AFC HOUSING WITH AFC PLUG INSTALLED. FOR USE WITH CHECK VALVES ONLY.
 (6) AFC HOUSING WITH AFC PLUG INSTALLED.

1 Pump Code	E710-A	E711-A	E712-C	E713-B	E714-C	E715-A	
2 Date - Control Parts List	JUL84 - 0444	NOV91 - 0293	JUL90 - 0293	DEC87 - 0444	NOV91 - 0447	NOV91 - 0444	1
3 Test HP @ RPM	433 - 451 @ 1950	515 - 536 @ 2100	480 - 490 @ 2100	333 - 347 @ 2100	564 - 587 @ 1900	421 - 439 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	166 - 184	146 - 160	125 - 137	118 - 132	161 - 177	147 - 163	4
6 Fuel Rate Pound Per Hour	156 - 164	187 - 195	171 - 179	127 - 133	198 - 206	150 - 156	5
7 Intake Manifold Press. In./Hg	36 - 44	41 - 49	36 - 44	29 - 37	44 - 53	33 - 41	6
8 Torque Rise % - Curve	13 - C-3380-D	20 - C-3537-C	25 - C-3537-C	29 - C-3380-E	3 - C-3452-B	7 - C-4206	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2040 - 2060	2190 - 2210	2210 - 2235	2210 - 2235	2040 - 2060	1850 - 1860	10
12 VS/Sec. Gov. Setting-RPM	1970 - 1990	2130 - 2150	2120 - 2140	2120 - 2140	1930 - 1950	1820 - 1840	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI							13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2243 @ 15	2415 @ 15	2457 @ 15	2385 @ 15	2225 @ 15	2025 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2243 @ 15	2415 @ 15	2457 @ 15	2385 @ 15	2225 @ 15	2025 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	15 @ 700	15 @ 700	15 @ 700	15 @ 700	15 @ 700	15 @ 700	21
23 Idle Speed cc @ RPM-Auto.	999 @ 480	378 @ 750	250 @ 700	250 @ 700	250 @ 700	250 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	174 @ 1950	155 @ 2100	120 @ 1500	105 @ 1500	168 @ 1900	163 @ 1800	24
26 Calibration Flow	498	600	500	345	680	450	25
27 Check Point (1) PSI @ RPM	127 - 133 @ 1500	110 - 117 @ 1500	147 - 153 @ 2100	129 - 135 @ 2100	124 - 130 @ 1500	132 - 138 @ 1500	26
28 Check Point (1) Flow	427	500	550	387	575	407	27
29 Check Point (2) PSI @ RPM		56 - 64 @ 1000					28
30 Check Point (2) Flow		352					29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.750 - 143855	.780 - 143855	.840 - 143847	.840 - 143847	.820 - 143847	.750 - 143855	32
34 Idle Plunger Code - Part No.	27 - 141632	37 - 140418	27 - 141632	27 - 141632	27 - 141632	25 - 141631	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143251 - .000	143251 - .000	143251 - .000	143250 - .000	3001159 - .000	143253 - .000	36
38 Gear Pump Size In.	.750	1.000	1.000	.750	1.000	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138798 - .000	3002054 - .000	3002058 - .000	138999 - .000	138999 - .000	138993 - .000	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109690 - .000	109690 - .000	109690 - .000	109688 - .000	109686 - .000	41
43 VS Gov. Idle Spring	70778	70778	153240	153240	153240	70778	42
44 VS Gov. Weights	163826	163826	107261	163826	163826	163826	43
45 VS Gov. Plunger	AR40230	AR40230	AR40230	AR40230	AR40230	AR40230	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI		17 - 8.3	17 - 8.3		7 - 3.4		47
49 AFC RPM - PSI		1600 - 62	1600 - 95		1600 - 35		48
50 AFC Flow - pph		350	430		275		49
51 AFC Spring - Gage Height-In.		3000592 -	3000592 -		179828 -		50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI		1600 - 76	1600 - 76		1600 - 76		52
54 AFC No Air Flow		400	410		365		53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KT 1150 C 450	KTA19-C	KTA 19 C	KT 19 C	KTA19-C	KT19-C	65
67 Notes	SEE NOTE (1)		SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) AFC HOUSING WITH AFC PLUG INSTALLED. USE WITH CHECK VALVES ONLY.
 (3) APPROX. .240 SHIMS REQUIRED FOR TMD ST-589 READING IS .203 TMD SPRING 107787 TMD PLUNGER .204
 (4) TMD SPRING 107787. TMD PLUNGER 201. ST-589 SETTING .200. AFC HOUSING WITH AFC PLUG INSTALLED.
 (5) USE FUEL PUMP P.N. 3021980.
 (6) FOR USE WITH CHECK VALVES

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E716-B - E722-C

1 Pump Code	E716-B	E717-C	E718-A	E719-A	E721-B	E722-C	1
2 Date - Control Parts List	NOV91 - 0447	JAN92 - 0441	NOV91 - 0293	NOV91 - 0444	NOV91 - 0444	NOV91 - 0293	2
3 Test HP @ RPM	578 - 602 @ 2000	588 - 612 @ 2100	470 - 490 @ 2000	329 - 343 @ 2100	353 - 367 @ 2000	515 - 536 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	172 - 192	184 - 205	123 - 135	121 - 134	121 - 133	140 - 154	5
6 Fuel Rate Pound Per Hour	205 - 213	211 - 220	168 - 174	127 - 133	131 - 137	183 - 191	6
7 Intake Manifold Press. In./Hg	44 - 52	43 - 51	37 - 45	26 - 34	31 - 39	41 - 49	7
8 Torque Rise % - Curve	6 - C-4129-A	10 -	13 - C-3537-C	22 -	19 - C-4206	20 - C-3537-C	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2095 - 2115	2190 - 2210	2090 - 2110	2210 - 2235	2090 - 2110	2190 - 2210	11
12 VS/Sec. Gov. Setting-RPM	2030 - 2050	2130 - 2150	2030 - 2050	2120 - 2140	2030 - 2050	2130 - 2150	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2340 @ 15	2415 @ 15	2300 @ 15	2415 @ 15	2300 @ 15	2457 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2340 @ 15	2415 @ 15	2300 @ 15	2415 @ 15	2300 @ 15	2457 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto. - VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.		15 @ 700	15 @ 700		15 @ 700		22
23 Idle Speed cc @ RPM-Auto.	250 @ 700	250 @ 700	250 @ 700	250 @ 700	250 @ 700	380 @ 1200	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	190 @ 2000	195 @ 2100	129 @ 2000	130 @ 2100	132 @ 2000	155 @ 2100	25
26 Calibration Flow	675	675	555	483	440	600	26
27 Check Point (1) PSI @ RPM	135 - 141 @ 1500	124 - 134 @ 1500	88 - 94 @ 1400	95 - 101 @ 1500	98 - 104 @ 1500	110 - 117 @ 1500	27
28 Check Point (1) Flow	555	520	433	400	380	500	28
29 Check Point (2) PSI @ RPM		63 - 73 @ 1000					29
30 Check Point (2) Flow		370					30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143855	.834 - 143855	.850 - 143847	.820 - 143847	.780 - 143855	.780 - 143855	33
34 Idle Plunger Code - Part No.	30 - 141633	30 - 141633	40 - 137370	45 - 138862	35 - 140922	37 - 140418	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143250 - .000	3001158 - .000	143252 - .000	143251 - .000	3000939 - .000	143251 - .000	37
38 Gear Pump Size In.	1.000	1.000	1.000	.750	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height		142700 - .000	139587 - .000	3002058 - .000	3002056 - .000	3053157 - .100	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109690 - .000	42
43 VS Gov. Idle Spring	70778	70778	70778	70778	70778	70778	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	AR40230	AR40230	AR40230	AR40230	AR40230	AR40230	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	16 - 7.8	16 - 7.8	17 - 8.3			17 - 8.3	48
49 AFC RPM - PSI	1600 - 64	1600 - 71	1600 - 95			1600 - 62	49
50 AFC Flow - pph	372	455	430			350	50
51 AFC Spring - Gage Height-In.	179828 -	3000592 -	179832 -			3000592 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 76	1600 - 40	1600 - 76			1600 - 76	53
54 AFC No Air Flow	280	290	410			400	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency		1983 EPA					62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA19-C	KTA19-C	KTA19-C	KT19-C	KT19-C	KTA19-C	66
67 Notes		SEE NOTE (2)	SEE NOTE (3)		SEE NOTE (5)	SEE NOTE (6)	67

NOTES

(2) USE WITH HYD. ASA.

(3) USE WITH CHECK VALVES. P.N. 3021980.

(5) BLOCKED AFC. USE WITH CHECK VALVES. USE FUEL PUMP F.N. 3021966.

(6) FUEL PUMP P.N. 3021980

1 Pump Code	E723-A	E724-A	E725-A	E726-A	E727-D	E728-A	1
2 Date - Control Parts List	NOV91 - 0444	NOV91 - 0444	NOV91 - 0444	NOV91 - 0447	SEP89 - 0444	SEP89 - 0447	2
3 Test HP @ RPM	456 - 474 @ 1800	441 - 459 @ 2100	433 - 451 @ 1950	588 - 612 @ 2100	335 - 349 @ 2100	515 - 536 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	175 - 193	175 - 193	161 - 178	185 - 205	121 - 133	156 - 172	5
6 Fuel Rate Pound Per Hour	168 - 174	164 - 171	153 - 160	213 - 222	128 - 134	186 - 194	6
7 Intake Manifold Press. In./Hg	30 - 38	40 - 48	37 - 45	43 - 51	27 - 35	39 - 48	7
8 Torque Rise % - Curve	8 - C-3380-E	20 - C-3562	13 -	10 -	29 -	20 - C-3537-C	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1890 - 1910	2195 - 2215	2040 - 2060	2195 - 2215	2210 - 2235	2230 - 2250	11
12 VS/Sec. Gov. Setting-RPM	1830 - 1850	2130 - 2150	2010 - 2030	2130 - 2150	2130 - 2150	2130 - 2150	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2070 @ 15	2415 @ 15	2242 @ 15	2415 @ 15	2450 @ 15	2457 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2070 @ 15	2415 @ 15	2242 @ 15	2415 @ 15	2450 @ 15	2457 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	15 @ 700 -	15 @ 700		15 @ 700	15 @ 700	15 @ 700	22
23 Idle Speed cc @ RPM-Auto.	250 @ 700	320 @ 750	250 @ 700	250 @ 700	250 @ 700	250 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	184 @ 1800	184 @ 2100	177 @ 1950	196 @ 2100	105 @ 1500	164 @ 2100	25
26 Calibration Flow	575	525	465	675	345	575	26
27 Check Point (1) PSI @ RPM	157 - 163 @ 1500	130 - 136 @ 1500	130 - 136 @ 1500	124 - 130 @ 1500	132 - 138 @ 2100	120 - 126 @ 1500	27
28 Check Point (1) Flow	525	436	390	535	400	485	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.810 - 143847	.750 - 143855	.810 - 143847	.800 - 143855	.840 - 143847	.800 - 143854	33
34 Idle Plunger Code - Part No.	12 - 141626	32 - 141634	30 - 141633	32 - 141634	27 - 141632	32 - 141634	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	143251 - .000	153237 - .000	143250 - .000	143250 - .000	143252 - .000	37
38 Gear Pump Size In.	.750	.750	.750	1.000	.750	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138789 - .000 -	138792 - .000 -	138788 - .000 -		138999 - .000 -	142869 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109687 - .000	109686 - .000	109690 - .000	109687 - .000	42
43 VS Gov. Idle Spring	70778	70778	70778	70778	153240	70778	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	AR40230	AR40230	AR40230	AR40230	AR40230	AR40230	45
46 VS Gov. Sleeve	212148	212148			212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI						17 - 8.3	48
49 AFC RPM - PSI						1600 - 62	49
50 AFC Flow - pph						350	50
51 AFC Spring - Gage Height-In.						3000592 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI						1600 - 76	53
54 AFC No Air Flow						400	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT19-P	KT19-C	KT19-C	KT19-P	KT19-C	KT19-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)		SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

(1) AFC HOUSING WITH AFC PLUG INSTALLED. USE WITH WET EXH. MANIFOLD. USE WITH CHECK VALVES. USE FUEL PUMP P.N. 3021966

(2) AFC HSG. AFC PLUG INSTALLED PRESSURIZED. USE FUEL PUMP P.N. 3021966.

(4) AFC HOUSING WITH AFC PLUG INSTALLED. FUEL PUMP P.N. 3201878.

(5) TMD SPRING 107787. TMD PLUNGER 201. ST-589 SETTING .200. AFC HOUSING WITH AFC PLUG INSTALLED. USE FUEL PUMP P/N 3021983. GOV. CHECK @ 15 PSI MIN. RPM 2250.

(6) USE FUEL PUMP P.N. 3021980.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E729-A - E735-A

1 Pump Code	E729-A	E730-A	E731-B	E732-A	E733-A	E735-A	1
2 Date - Control Parts List	JAN92 - 0475	MAY88 - 0569	NOV91 - 0293	MAR93 - 0444	APR85 - 0293	NOV91 - 0445	2
3 Test HP @ RPM	637 - 663 @ 2100	637 - 663 @ 2100	480 - 490 @ 2100	441 - 459 @ 2100	461 - 479 @ 1800	438 - 456 @ 2000	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	194 - 214	164 - 181	125 - 137	175 - 193		164 - 182	5
6 Fuel Rate Pound Per Hour	225 - 235	232 - 242	171 - 179	162 - 168		156 - 164	6
7 Intake Manifold Press. In./Hg	46 - 54	52 - 60	36 - 44	40 - 48		31 - 39	7
8 Torque Rise % - Curve	5 -	15 -	22 -	20 - C-338-0		15 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2230 - 2250	2230 - 2250	2195 - 2215	2190 - 2210		2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150		2020 - 2050	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI				2550 @ 15			14
15 Min. Auto. Gov. Check-RPM @ PSI				2250 @ 15			15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15		2340 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2200 @ 15		2340 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -		110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -		28 -	21
22 Idle Speed PSI @ RPM-Auto.	15 @ 700	15 @ 825	15 @ 700				22
23 Idle Speed cc @ RPM-Auto.	250 @ 700	250 @ 825	250 @ 700	490 @ 1200		250 @ 650	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc				@ 1200 - 490			24
25 Calibration PSI @ RPM	215 @ 2100	178 @ 2100	135 @ 2100	164 @ 2100		178 @ 2000	25
26 Calibration Flow	755	975	550	525		491	26
27 Check Point (1) PSI @ RPM	134 - 140 @ 1500	119 - 125 @ 1500	86 - 92 @ 1300	130 - 136 @ 1500		133 - 139 @ 1500	27
28 Check Point (1) Flow	585	790	436	436		410	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.750 - 143855		.800 - 143854	33
34 Idle Plunger Code - Part No.	30 - 141633	22 - 141630	32 - 141634	32 - 141634	45 - 138862	30 - 141633	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	147293 - .000	3001156 - .000	153237 - .000	143251 - .000	153236 - .000	143251 - .000	37
38 Gear Pump Size In.	1.000	1.000	1.000	.750	1.000	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height		142864 - .000 -	138584 - .050 -	138792 - .000 - .500		138769 - .030 -	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109687 - .000	109687 - .000	109686 - .000	109686 - .000	109686 - .000	42
43 VS Gov. Idle Spring	70778	70778	70778	70778	70778	70778	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	AR40230	AR40230	AR40230	AR40230	AR40230	AR40230	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	10 - 4.9	10 - 4.9	17 - 8.3				48
49 AFC RPM - PSI	1600 - 54	1600 - 54	1600 - 95				49
50 AFC Flow - pph	338	338	430				50
51 AFC Spring - Gage Height-In.	3000592 -	3000592 -	3000592 -				51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 55	1600 - 55	1600 - 76				53
54 AFC No Air Flow	450	450	410				54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA19-C	KTA19 C	KTA19-C	KT19-C	KTA-19-C	KT19-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE LARGE HOLE THROTTLE SHAFT. USE FUEL PUMP P.N. 3201606.
- (2) USE LARGE HOLE THROTTLE SHAFT.
- (3) USE FUEL PUMP P/N 3021980.
- (4) AFC HOUSING WITH AFC PLUG INSTALLED. USE FUEL PUMP P.N.3021966.
- (5) FUEL PUMP P.N.3021980
- (6) FUEL PUMP P.N. 3021966

1 Pump Code	E736-B	E737-B	E738-A	E739-A	E740-A	E741-A	
2 Date - Control Parts List	NOV91 - 0293	APR87 - 0293	NOV91 - 0293	DEC92 - 0379	NOV91 - 0293	NOV91 - 0444	1
3 Test HP @ RPM	470 - 490 @ 1800	480 - 500 @ 2100	417 - 434 @ 1800	515 - 536 @ 2100	515 - 536 @ 2100	333 - 347 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	115 - 128	128 - 142	98 - 109	152 - 168	139 - 153	117 - 130	4
6 Fuel Rate Pound Per Hour	161 - 168	175 - 183	144 - 150	186 - 194	186 - 194	128 - 134	5
7 Intake Manifold Press. In./Hg	36 - 44	38 - 44	30 - 38	40 - 49	41 - 49	28 - 36	6
8 Torque Rise % - Curve	8 -	28 - C-3537-C	8 -	26 -	20 -	29 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1920 - 1940	2190 - 2210	1920 - 1940	2210 - 2230	2200 - 2220	2210 - 2230	10
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	2130 - 2150	1830 - 1850	2130 - 2150	2130 - 2150	2120 - 2140	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 15						13
15 Min. Auto. Gov. Check-RPM @ PSI	1980 @ 15						14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2330 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1890 @ 15	2330 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto. VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	250 @ 700	380 @ 775	250 @ 700	250 @ 700	210 @ 625	250 @ 675	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 250						23
25 Calibration PSI @ RPM	125 @ 1800	123 @ 1500	114 @ 1800	160 @ 2100	160 @ 2100	123 @ 2100	24
26 Calibration Flow	559	522	501	634	634	405	25
27 Check Point (1) PSI @ RPM	106 - 112 @ 1500	142 - 148 @ 2100	94 - 100 @ 1500	108 - 114 @ 1300	120 - 126 @ 1500	90 - 96 @ 1500	26
28 Check Point (1) Flow	506	594	455	492	522	343	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143847	.750 - 143854	.800 - 143854	.750 - 143854	.750 - 143854	32
34 Idle Plunger Code - Part No.	30 - 141633	27 - 141632	40 - 137370	20 - 141629	30 - 141633	57 - 140926	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143252 - .000	143251 - .000	153238 - .000	153238 - .000	143251 - .000	143252 - .000	36
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	.070	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138787 - .030 - .630	3002058 - .000 -	138787 - .020 -	139586 - .050 -	138782 - .030 -	142869 - .000 -	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	107787 - .000	109688 - .000	109689 - .000	109687 - .000	109686 - .000	41
43 VS Gov. Idle Spring	70778	153240	70778	70778	70778	70778	42
44 VS Gov. Weights	163826	107261	163826	163826	163826	163826	43
45 VS Gov. Plunger	AR40230	AR40230	AR40230	AR40230	AR40230	AR40230	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	17 - 8.3	17 - 8.3	17 - 8.3	17 - 8.3	14 - 6.8		47
49 AFC RPM - PSI	1600 - 62	1600 - 95	1600 - 95	1600 - 95	1600 - 62		48
50 AFC Flow - pph	559	430	430	430	350		49
51 AFC Spring - Gage Height-In.	3000592 -	3000592 -	179832 -	179832 -	3000592 -		50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 76	1600 - 76	1600 - 76	1600 - 76	1600 - 76		52
54 AFC No Air Flow	400	410	410	410	400		53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA19-C	KTA 19 C	KTA19-P	KTA 19 525	KTA19-A	KT19-C	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) FUEL PUMP P.N.3021980
- (2) TMD SPRING (107787) TMD PLUNGER .204. APPROX. .240SHIMS REQUIRED FOR TMD. ST-589 READING IS .203. USE FUEL PUMP P.N.3201260.
- (3) USE FUEL PUMP P.N.3021980.
- (4) USE WITH FUEL PUMP P.N.3021980.
- (5) USE FUEL PUMP P.N. #3021980.
- (6) USE FUEL PUMP ASSEMBLY NUMBER 3021966.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E742-A - E747-E

1 Pump Code	E742-A	E743-B	E744-A	E745-A	E746-B	E747-E	
2 Date - Control Parts List	NOV91 - 0447	NOV91 - 0447	NOV91 - 0293	MAY88 - 0569	MAY87 - 0569	NOV91 - 0447	1
3 Test HP @ RPM	461 - 479 @ 1800	523 - 545 @ 2100	470 - 490 @ 2000	637 - 663 @ 2100	510 - 530 @ 1900	564 - 587 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	114 - 126	150 - 166	120 - 133	161 - 179	108 - 117	159 - 175	4
6 Fuel Rate Pound Per Hour	161 - 167	193 - 201	167 - 173	232 - 242	178 - 186	196 - 204	5
7 Intake Manifold Press-In./Hg	27 - 35	41 - 49	37 - 44	52 - 60	35 - 43	41 - 49	6
8 Torque Rise % - Curve	2 -	23 -	24 -	15 -	24 -	3 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press - PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1890 - 1910	2190 - 2210	2110 - 2130	2230 - 2250	2020 - 2040	2000 - 2020	10
12 VS/Sec. Gov. Setting-RPM	1830 - 1850	2130 - 2150	2030 - 2050	2130 - 2150	1930 - 1950	1910 - 1930	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI							13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2330 @ 15	2240 @ 15	2457 @ 15	2223 @ 15	2223 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2330 @ 15	2240 @ 15	2457 @ 15	2223 @ 15	2223 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto. VS-Levr	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	250 @ 700	190 @ 775	250 @ 700	160 @ 825	100 @ 700	260 @ 900	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	119 @ 1800	167 @ 2100	135 @ 2000	169 @ 2100	124 @ 1900	176 @ 1900	24
26 Calibration Flow	507	599	560	831	650	680	25
27 Check Point (1) PSI @ RPM	88 - 94 @ 1500	123 - 129 @ 1500	95 - 101 @ 1300	112 - 118 @ 1500	106 - 112 @ 1400	129 - 135 @ 1500	26
28 Check Point (1) Flow	432	508	434	668	605	575	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting-Spring	750 - 143854	800 - 143854	750 - 143854	750 - 143854	850 - 143854	820 - 143847	32
34 Idle Plunger Code-Part No.	45 - 138862	30 - 141633	30 - 141633	32 - 141634	20 - 141629	25 - 141631	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3000937 - .000	143252 - .000	153238 - .000	3001155 - .000	3004755 - .000	3001159 - .000	36
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	1.000	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height							40
42 VS/Gov. Max. Spring - Ref. Shims	109688 - .000	107787 - .000	109689 - .000	142864 - .000	139585 - .000	109688 - .000	41
43 VS/Gov. Idle Spring	70778	153240	70778	109689 - .000	109689 - .000	70778	42
44 VS Gov. Weights	163826	163826	163826	70778	70778	163826	43
45 VS Gov. Plunger	AR40230	AR40230	AR40230	163826	163826	163826	44
46 VS Gov. Sleeve	212148	212148	212148	AR40230	AR40230	AR40230	45
47 AFC Barrel & Plunger Assembly				212148	212148	212148	46
48 AFC In./Hg - PSI	7 - 3.4	17 - 8.3	17 - 8.3	10 - 4.9	10 - 4.9	7 - 3.4	47
49 AFC RPM - PSI	1600 - 35	1600 - 62	1600 - 95	1600 - 54	1600 - 54	1600 - 35	48
50 AFC Flow - pph	275	350	430	338	338	275	49
51 AFC Spring - Gage Height-In.	179830 -	3000592 -	179832 -	3000592 -	3000592 -	179828 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 76	1600 - 76	1600 - 76	1600 - 55	1600 - 70	1600 - 76	52
54 AFC No Air Flow	360	400	410	450	495	365	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA19-P	KTA19-C	KTA19-C	KTTA 19 P	KTTA 19 C	KTA19-C	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH WET EXHAUST MANIFOLD. USE FUEL PUMP P.N. 3021980.
- (2) USE FUEL PUMP P.N. 3021980.
- (3) USE FUEL PUMP P.N. 3021980.
- (4) USE WITH LARGE HOLE THROTTLE SHAFT. USE FUEL PUMP P.N. 3201606.
- (5) USE FUEL PUMP P.N. 3021980.
- (6) USE FUEL PUMP P.N. 3021980.

1 Pump Code	E748-A	E749-B	E750-A	E751-A	E752-A	E753-F	1
2 Date - Control Parts List	MAY88 - 0569	NOV91 - 0447	NOV91 - 0444	JUL90 - 0293	AUG92 - 0293	JUL92 - 0447	2
3 Test HP @ RPM	548 - 571 @ 1900	578 - 602 @ 2000	433 - 451 @ 1950	470 - 490 @ 2000	480 - 500 @ 2100	523 - 545 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	124 - 137	176 - 194	181 - 178	121 - 133	126 - 140	138 - 152	5
6 Fuel Rate Pound Per Hour	194 - 202	205 - 213	155 - 161	167 - 173	173 - 181	187 - 196	6
7 Intake Manifold Press. In./Hg	44 - 52	44 - 52	38 - 46	37 - 45	38 - 46	37 - 45	7
8 Torque Rise % - Curve	10 -	7 -	13 -	13 -	29 -	21 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2000 - 2020	2130 - 2150	2080 - 2100	2090 - 2110	2240 - 2260	2190 - 2210	11
12 VS/Sec. Gov. Setting-RPM	1930 - 1950	2020 - 2040	1970 - 1990	2030 - 2050	2120 - 2140	2130 - 2150	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI						2600 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI						2320 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2223 @ 15	2301 @ 15	2249 @ 15	2275 @ 15	2426 @ 15	2330 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2223 @ 15	2301 @ 15	2249 @ 15	2275 @ 15	2426 @ 15	2280 @ 15	19
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.				15 @ 700			22
23 Idle Speed cc @ RPM-Auto.	100 @ 700	250 @ 700	250 @ 700	250 @ 700	380 @ 775	300 @ 775	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc						@ 775 - 300	24
25 Calibration PSI @ RPM	130 @ 1900	186 @ 2000	177 @ 1950	127 @ 2000	142 @ 2100	163 @ 2100	25
26 Calibration Flow	723	639	486	560	579	594	26
27 Check Point (1) PSI @ RPM	98 - 104 @ 1500	124 - 130 @ 1500	131 - 137 @ 1500	84 - 90 @ 1400	115 - 121 @ 1500	124 - 130 @ 1500	27
28 Check Point (1) Flow	625	511	411	449	514	519	28
29 Check Point (2) PSI @ RPM		53 - 61 @ 1000					29
30 Check Point (2) Flow		318					30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.750 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.798 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	35 - 140922	32 - 141634	32 - 141634	45 - 138862	5 - 141632	25 - 141631	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000939 - .000	177629 - .000	143251 - .000	153236 - .000	3004752 - .000	143253 - .160	37
38 Gear Pump Size In.	1.000	1.000	.750	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	163826	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138786 - .020 -		142696 - .030 -	138768 - .040 -	3002047 - .020 -	3051814 - .095 - .595	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109689 - .000	70821 - .000	70821 - .000	70822 - .000	107787 - .000	42
43 VS Gov. Idle Spring	70778	70778	70778	70778	70778	70778	43
44 VS Gov. Weights	163826	163826	107261	107261	163826	163826	44
45 VS Gov. Plunger	AR40230	212350	212350	212350	212350		45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	10 - 4.9	16 - 7.8	15 - 7.3	17 - 8.3	17 - 8.3	17 - 8.3	48
49 AFC RPM - PSI	1600 - 54	1600 - 64	1600 - 81	1600 - 95	1600 - 95	1600 - 62	49
50 AFC Flow - gph	338	372	368	430	430	350	50
51 AFC Spring - Gage Height-In.	3000592 -	179828 -	179828 -	179832 -	3000592 -	3000592 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 55	1600 - 76	1600 - 63	1600 - 76	1600 -	1600 - 76	53
54 AFC No Air Flow	450	280	360	410	410	400	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT1A 19 C	KTA19-P	KT19-C	KTA 19-C	KTA19-C	KTA19-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP P.N. #3021980.
- (2) USE WITH CHECK VALVES
- (3) USE WITH FUEL PUMP 3021961 USE ONLY WITH CHECK VALVES
- (4) USE FUEL PUMP P.N. 3021980
- (5) USE FUEL PUMP HOUSING 3057808 USE WITH CLASS FIT AFC
- (6) USE FUEL PUMP HOUSING 3057808 USE WITH CLASS FIT AFC

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E754-A - E759-B

1 Pump Code	E754-A	E755-B	E756-B	E757-B	E758-B	E759-B	
2 Date - Control Parts List	NOV91 - 0444	NOV91 - 0293	MAR93 - 0293	MAY88 - 0569	NOV91 - 0447	FEB92 - 0293	1
3 Test HP @ RPM	335 - 349 @ 2100	514 - 536 @ 2100	431 - 449 @ 1800	510 - 530 @ 1800	480 - 500 @ 2100	470 - 490 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	118 - 130	141 - 155	101 - 112	109 - 121	128 - 142	125 - 139	4
6 Fuel Rate Pound Per Hour	126 - 132	184 - 192	148 - 155	178 - 186	176 - 184	171 - 179	5
7 Intake Manifold Press. In./Hg	31 - 37	41 - 50	33 - 38	40 - 48	36 - 42	36 - 44	6
8 Torque Rise % - Curve	32 -	25 -	14 -	5 -	29 -	24 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2210 - 2235	2240 - 2260	1920 - 1940	1920 - 1940	2240 - 2260	2210 - 2230	10
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	2120 - 2140	1820 - 1840	1820 - 1840	2120 - 2140	2120 - 2140	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2500 @ 15					2540 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2260 @ 15					2470 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2406 @ 15	2464 @ 15	2106 @ 15	2086 @ 15	2467 @ 15	2457 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2206 @ 15	2464 @ 15	2106 @ 15	2086 @ 15	2467 @ 15	2360 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	250 @ 775	250 @ 700	250 @ 700	250 @ 700	250 @ 800	250 @ 775	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 775 - 250					@ 775 - 250	23
25 Calibration PSI @ RPM	131 @ 2100	148 @ 2100	116 @ 1800	115 @ 1800	143 @ 2100	150 @ 2100	24
26 Calibration Flow	407	595	516	675	548	574	25
27 Check Point (1) PSI @ RPM	100 - 106 @ 1500	96 - 104 @ 1300	89 - 95 @ 1300	92 - 98 @ 1500	109 - 115 @ 1500	117 - 123 @ 1500	26
28 Check Point (1) Flow	351	460	420	593	493	496	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.798 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	20 - 141629	27 - 141632	17 - 140417	35 - 140922	35 - 140922	35 - 140922	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3001146 - .000	153236 - .000	3004750 - .000	153232 - .000	3001147 - .000	3001148 - .095	36
38 Gear Pump Size In.	.750	1.000	1.000	1.000	1.000	1.000	37
39 Auto. Gov. Weights	163826	146437	3002044	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3010810	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	139584 - .050 - .700	139584 - .050 -	142870 - .000 -	3002049 - .040 -	3053161 - .110 - .610		40
42 VS Gov. Max. Spring - Ref. Shims	70822 - .000	70822 - .000	109687 - .000	70822 - .000	70822 - .000	70822 - .000	41
43 VS Gov. Idle Spring	70778	70778	70778	70778	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI		19 - 9.3	17 - 8.3	10 - 4.9	17 - 8.3	17 - 8.3	47
49 AFC RPM - PSI		1600 - 74	1600 - 95	1600 - 54	1600 - 62	1600 - 95	48
50 AFC Flow - pph		380	430	338	350	430	49
51 AFC Spring - Gage Height-In.		179836 -	179832 -	3000592 -	3000592 -	3000592 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI		1600 - 76	1600 - 76	1600 - 55	1600 - 76	1600 - 76	52
54 AFC No Air Flow		380	410	450	400	410	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KT19-C	KTA19-C	KTA19-C	KTA19 P	KTA19-C	KTA19-C	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE FUEL PUMP PN 3042137
 (2) USE WITH FUEL PUMP P.N. 3049869
 (3) USE WITH CHECK VALVES USE FUEL PUMP P.N. 3049869
 (4) USE FUEL PUMP #3201606
 (5) USE FUEL PUMP #3059755
 (6) USE WITH CHECK VALVES USE 3049869 FUEL PUMP

1 Pump Code	E760-A	E761-A	E762-B	E763-B	E764-A	E765-A	
2 Date - Control Parts List	NOV91 - 0445	NOV91 - 0444	DEC89 - 0801	NOV91 - 0293	JUN92 - 0841	JUN92 - 0880	1
3 Test HP @ RPM	441 - 459 @ 2100	387 - 403 @ 1800	588 - 612 @ 2100	460 - 479 @ 2100	637 - 663 @ 2100	686 - 714 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	170 - 188	125 - 139	200 - 222	117 - 129	153 - 169	189 - 209	4
6 Fuel Rate Pound Per Hour	164 - 171	135 - 141	216 - 224	167 - 175	233 - 242	259 - 269	5
7 Intake Manifold Press. In./Hg	33 - 41	32 - 38	48 - 56	36 - 45	52 - 60	58 - 67	6
8 Torque Rise % - Curve	20 - C-3380-E	17 - C-3380-D	10 -	35 -	15 -	15 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2195 - 2215	1890 - 1910	2190 - 2210	2190 - 2210	2190 - 2210	2190 - 2210	10
12 VS/Sec. Gov. Setting-RPM	2130 - 2150	1830 - 1850	2130 - 2150	2120 - 2140	2120 - 2140	2120 - 2140	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2180 @ 15					13
15 Min. Auto. Gov. Check-RPM @ PSI		1940 @ 15					14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2325 @ 15	2106 @ 15	2490 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2325 @ 15	1906 @ 15	2490 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS. Lev.	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	15 @ 700	12 @ 700	15 @ 700				21
23 Idle Speed cc @ RPM-Auto.	250 @ 750	250 @ 700	240 @ 700	300 @ 1000	240 @ 700	240 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 700 - 250					23
25 Calibration PSI @ RPM	181 @ 2100	145 @ 1800	209 @ 2100	125 @ 2100	161 @ 2100	199 @ 2100	24
26 Calibration Flow	525	433	706	568	407	441	25
27 Check Point (1) PSI @ RPM	127 - 133 @ 1500	105 - 111 @ 1300	133 - 141 @ 1500	105 - 112 @ 1500	105 - 111 @ 1500	132 - 138 @ 1500	26
28 Check Point (1) Flow	436	367	543	515	324	345	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.750 - 143855	.750 - 143855	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	27 - 141832	25 - 141631	32 - 141634	32 - 141634	47 - 140924	32 - 141634	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143251 - .000	143253 - .000	3001158 - .000	3051818 - .000	3001156 - .000	3000938 - .000	36
38 Gear Pump Size In.	.750	.750	1.000	1.000	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3040750	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138792 - .000	138769 - .000 - .650		3002058 - .050	138768 - .020	138769 - .010	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	70822 - .000	109689 - .000	109689 - .000	109689 - .000	41
43 VS Gov. Idle Spring	70778	70778	70778	70778	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	AR40230	AR40230	AR40230	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI			16 - 7.8	9 - 4.4	10 - 4.9	10 - 4.9	47
49 AFC RPM - PSI			1600 - 71	1600 - 62	1600 - 51	1600 - 51	48
50 AFC Flow - pph			455	322	172	172	49
51 AFC Spring - Gage Height-In.			3000592 -	179824 -	3000592 -	3000592 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI			1600 - 40	1600 - 76	1600 - 52	1600 - 52	52
54 AFC No Air Flow			290	358	230	230	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency			1988 EPA				61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KT19-C	KT19-C	KTA-600	KTA19-C	KTA19-P	KTA19-P	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE FUEL PUMP P.N. 3021966
- (2) FOR USE WITH CHECK VALVES FOR USE WITH DFF INJECTORS
- (3) USE WITH HYD. ASA. USE FUEL PUMP P.N. 3201227
- (4) USE FUEL PUMP P.N. 3049869
- (5) USE FUEL PUMP PN 3021961
- (6) USE FUEL PUMP PN 3021961

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E766-E - E771-B

1 Pump Code	E766-E	E767-A	E768-B	E769-A	E770-C	E771-B	1
2 Date - Control Parts List	JUN92 - 0951	JUN92 - 0841	JUN92 - 0841	MAR88 - 0351	JUN92 - 0841	MAR93 - 0444	2
3 Test HP @ RPM	617 - 643 @ 1800	637 - 663 @ 2100	510 - 530 @ 1800	608 - 632 @ 2100	613 - 638 @ 1800	441 - 459 @ 2000	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	145 - 161	153 - 169	102 - 112	161 - 177	135 - 147	168 - 186	5
6 Fuel Rate Pound Per Hour	203 - 212	233 - 243	177 - 185	223 - 233	209 - 218	157 - 164	6
7 Intake Manifold Press. In./Hg	52 - 60	52 - 60	38 - 47	43 - 51	48 - 58	39 - 47	7
8 Torque Rise % - Curve	8 -	15 -	5 -	9 -	3 -	14 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1920 - 1940	2220 - 2240	1920 - 1940	2190 - 2210	1920 - 1940	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	2120 - 2140	1820 - 1840	2120 - 2140	1820 - 1840	2020 - 2040	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2093 @ 15	2401 @ 15	2130 @ 15	2340 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2093 @ 15	2401 @ 15	2130 @ 15	2340 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lever	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	15 @ 825	15 @ 825	15 @ 825	15 @ 825	15 @ 825	15 @ 825	22
23 Idle Speed cc @ RPM-Auto.	350 @ 850	250 @ 825	240 @ 700	240 @ 700	240 @ 700	240 @ 750	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc						@ 750 - 240	24
25 Calibration PSI @ RPM	160 @ 1800	168 @ 2100	107 @ 1800	176 @ 2100	142 @ 1800	185 @ 2000	25
26 Calibration Flow	407	407	323	802	377	498	26
27 Check Point (1) PSI @ RPM	128 - 136 @ 1400	110 - 120 @ 1500	83 - 93 @ 1500	122 - 128 @ 1600	109 - 119 @ 1500	107 - 114 @ 1300	27
28 Check Point (1) Flow	355	324	283	657	325	376	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	27 - 141632	47 - 140924	30 - 141633	32 - 141634	40 - 137370	25 - 141631	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	3001155 - .000	144490 - .000	3000936 - .000	3000939 - .000	3000939 - .000	37
38 Gear Pump Size In.	.750	.750	.750	1.000	.750	.750	38
39 Auto. Gov. Weights	146437	146437	163826	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3040750	3010810	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138787 - .010 -	142864 - .000 -	138786 - .020 -	142701 - .040 -	X - .000 -	142865 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109689 - .000	70822 - .000	109689 - .000	109688 - .000	109688 - .000	42
43 VS Gov. Idle Spring	153240	70778	70778	70778	70778	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	AR40230	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	10 - 4.9	10 - 4.9	10 - 4.9	12 - 5.8	10 - 4.9		48
49 AFC RPM - PSI	1600 - 55	1600 - 51	1600 - 51	1600 - 62	1600 - 51		49
50 AFC Flow - pph	236	172	172	330	172		50
51 AFC Spring - Gage Height-In.	179834 -	3000592 -	3000592 -	3007694 -	3000592 -		51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 50	1600 - 52	1600 - 52	1600 - 40	1600 - 52		53
54 AFC No Air Flow	214	230	230	390	230		54
55 ASA Valve							55
56 TMD Set with S1589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT1A19-C	KT1A19-C	KT1A19-P	KT1A19C	KT1A19-C	KT19-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP PN 3021961
 (2) USE F.P. # 3042225
 (3) USE FUEL PUMP #3042225
 (4) SERVICE ONLY CODE
 (5) USE FUEL PUMP P.N. 3042225
 (6) USE FUEL PUMP P.N. 3042137 USE WITH CHECK VALVES

1 Pump Code	E772-A	E773-A	E774-A	E775-A	E776-A	E777-B	
2 Date - Control Parts List	JUN92 - 0841	NOV91 - 0444	JUN92 - 0841	NOV91 - 0293	NOV91 - 0445	JUN92 - 0951	1
3 Test HP @ RPM	613 - 638 @ 1800	441 - 459 @ 2100	548 - 571 @ 1900	490 - 510 @ 2100	441 - 459 @ 2100	548 - 571 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	135 - 147	174 - 192	116 - 128	130 - 144	170 - 188	125 - 139	4
6 Fuel Rate Pound Per Hour	213 - 222	163 - 170	194 - 202	176 - 184	163 - 170	189 - 197	5
7 Intake Manifold Press. In./Hg	48 - 56	41 - 49	43 - 51	39 - 47	35 - 43	44 - 52	6
8 Torque Rise % - Curve	3 -	20 -	10 -	20 -	20 -	10 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1920 - 1940	2210 - 2230	2020 - 2040	2240 - 2260	2210 - 2230	2020 - 2040	10
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	2130 - 2150	1920 - 1940	2120 - 2140	2130 - 2150	1930 - 1950	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI							13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2223 @ 15	2450 @ 15	2457 @ 15	2223 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2223 @ 15	2450 @ 15	2457 @ 15	2223 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	240 @ 700	350 @ 1100	240 @ 700	300 @ 775	350 @ 1100	300 @ 900	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	149 @ 1800	184 @ 2100	129 @ 1900	146 @ 2100	180 @ 2100	139 @ 1900	24
26 Calibration Flow	377	525	348	584	525	349	25
27 Check Point (1) PSI @ RPM	117 - 127 @ 1400	130 - 138 @ 1500	91 - 98 @ 1500	107 - 114 @ 1500	127 - 135 @ 1500	109 - 117 @ 1500	26
28 Check Point (1) Flow	311	436	299	496	436	296	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.750 - 143855	.800 - 143854	.800 - 143854	.750 - 143855	.791 - 143854	32
34 Idle Plunger Code - Part No.	22 - 141630	32 - 141634	45 - 138862	40 - 137370	32 - 141634	45 - 138862	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3001155 - .000	143251 - .000	3001155 - .000	143252 - .000	143251 - .000	153236 - .000	36
38 Gear Pump Size In.	.750	.750	.750	1.000	.750	.750	37
39 Auto. Gov. Weights	146437	146437	3002044	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3010810	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	138785 - .040 -	138792 - .000 -	142699 - .040 -	142869 - .000 -	138792 - .000 -	138785 - .040 -	40
42 VS Gov. Max. Spring - Ref. Shims	109689 - .000	109686 - .000	109688 - .000	109689 - .000	109686 - .000	109689 - .000	41
43 VS Gov. Idle Spring	70778	70778	70778	70778	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	AR40230	212350	212350	AR40230	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	10 - 4.9		10 - 4.9	17 - 8.3		10 - 4.9	47
49 AFC RPM - PSI	1600 - 51		1600 - 51	1600 - 95		1600 - 55	48
50 AFC Flow - pph	172		172	430		236	49
51 AFC Spring - Gage Height-in.	3000592 -		3000592 -	3000592 -		3007692 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 52		1600 - 52	1600 - 76		1600 - 39	52
54 AFC No Air Flow	230		230	410		201	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KT19-C	KT19-C	KT19-C	KT19-C	KT19-C	KT19-C	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE FUEL PUMP P.N. 3042225 USE WITH CHECK VALVES
- (2) USE FUEL PUMP P.N. 3042137
- (3) USE FUEL PUMP P.N. 3042225
- (4) USE FUEL PUMP P.N. 3021980
- (5) USE FUEL PUMP P.N. 3042137
- (6) USE FUEL PUMP P.N. 3042225

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E778-A - E783-A

1 Pump Code	E778-A	E778-B	E780-A	E781-B	E782-B	E783-A	1
2 Date - Control Parts List	NOV91 - 1253	NOV91 - 1253	NOV91 - 0293	NOV91 - 1253	NOV91 - 1253	NOV91 - 1253	2
3 Test HP @ RPM	617 - 643 @ 1800	548 - 571 @ 1900	445 - 463 @ 2000	617 - 643 @ 1800	510 - 530 @ 1800	510 - 530 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	145 - 161	125 - 139	111 - 123	146 - 162	111 - 123	111 - 123	5
6 Fuel Rate Pound Per Hour	208 - 218	189 - 197	159 - 165	207 - 215	174 - 182	174 - 182	6
7 Intake Manifold Press. In./Hg	52 - 60	47 - 55	34 - 42	54 - 63	40 - 48	43 - 51	7
8 Torque Rise % - Curve	8 -	10 -	27 -	8 -	5 -	5 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1920 - 1940	2020 - 2040	2130 - 2150	1920 - 1940	1900 - 1920	1900 - 1920	11
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	1930 - 1950	2020 - 2040	1820 - 1840	1810 - 1830	1820 - 1840	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2400 @ 15					14
15 Min. Auto. Gov. Check-RPM @ PSI		2100 @ 15					15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2223 @ 15	2340 @ 15	2090 @ 15	2100 @ 15	2100 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2000 @ 15	2340 @ 15	2090 @ 15	2100 @ 15	2100 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	350 @ 850	300 @ 900	240 @ 700	230 @ 700	220 @ 700	220 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 900 - 300					24
25 Calibration PSI @ RPM	160 @ 1800	139 @ 1900	117 @ 2000	154 @ 1800	124 @ 1800	117 @ 1800	25
26 Calibration Flow	407	349	543	377	325	325	26
27 Check Point (1) PSI @ RPM	128 - 136 @ 1400	109 - 117 @ 1500	93 - 100 @ 1400	116 - 124 @ 1400	101 - 108 @ 1500	97 - 104 @ 1500	27
28 Check Point (1) Flow	355	296	470	324	282	290	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143848	.791 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	27 - 141632	45 - 138862	35 - 140922	27 - 141632	22 - 141630	22 - 141630	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	153236 - .000	3001147 - .000	153238 - .000	144490 - .000	144490 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	163826	163826	39
40 Auto. Gov. Plunger	3010810	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138787 - .010 -	138786 - .040 - .690	139584 - .040 -	138788 - .010 -	138788 - .020 -	138788 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109689 - .000	109689 - .000	109687 - .000	70822 - .000	70822 - .000	42
43 VS Gov. Idle Spring	153240	70778	153240	70778	70778	70778	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	AR40230	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	10 - 4.9	10 - 4.9	17 - 8.3	10 - 4.9	10 - 4.9	10 - 4.9	48
49 AFC RPM - PSI	1600 - 55	1600 - 55	1600 - 95	1600 - 55	1600 - 55	1600 - 55	49
50 AFC Flow - pph	236	236	430	236	236	236	50
51 AFC Spring - Gage Height-In.	179834 -	3007692 -	3000592 -	3007692 -	3007692 -	3007692 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 50	1600 - 39	1600 - 76	1600 - 39	1600 - 39	1600 - 39	53
54 AFC No Air Flow	214	201	410	201	201	201	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTTA19-C	KTTA19-C	KTA19-C	KTTA19-C	KTTA19-C	KTTA19-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP P/N 3021961
- (2) USE FUEL PUMP P.N. 3042225
- (3) USE FUEL PUMP P.N. 3042225
- (4) USE FUEL PUMP P.N. 3042225
- (5) USE FUEL PUMP P.N. 3042225
- (6) USE FUEL PUMP P.N. 3042225

1 Pump Code	E784-A	E785-A	E786-C	E787-B	E788-B	E789-A	
2 Date - Control Parts List	NOV91 - 1253	NOV91 - 1253	NOV91 - 0444	MAR92 - 0447	NOV91 - 0447	NOV91 - 1253	1
3 Test HP @ RPM	637 - 663 @ 2100	686 - 714 @ 2100	397 - 413 @ 1800	564 - 587 @ 1900	493 - 513 @ 1800	578 - 602 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	181 - 177	180 - 199	136 - 150	159 - 175	124 - 138	133 - 147	4
6 Fuel Rate Pound Per Hour	223 - 232	240 - 250	139 - 145	196 - 204	169 - 176	198 - 206	5
7 Intake Manifold Press. In./Hg	55 - 63	59 - 68	33 - 39	41 - 49	35 - 43	48 - 56	6
8 Torque Rise % - Curve	15 -	15 -	4 -	3 -	3 -	8 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2200 - 2220	2200 - 2220	1890 - 1910	2020 - 2040	1890 - 1910	1890 - 1910	10
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	2120 - 2140	1820 - 1840	1920 - 1940	1810 - 1830	1810 - 1830	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2500 @ 15	2520 @ 15		2375 @ 15	2215 @ 15	2260 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2260 @ 15	2280 @ 15		2330 @ 15	1975 @ 15	1960 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2450 @ 15	2450 @ 15	2100 @ 20	2258 @ 15	2090 @ 15	2090 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2220 @ 15	2220 @ 15	2100 @ 20	2100 @ 15	1880 @ 15	1880 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	240 @ 825	220 @ 700	230 @ 800	230 @ 700	230 @ 800	230 @ 850	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 825 - 240	@ 700 - 220	@ 800 - 230	@ 700 - 230	@ 800 - 230	@ 850 - 230	23
25 Calibration PSI @ RPM	169 @ 2100	189 @ 2100	150 @ 1800	176 @ 1900	139 @ 1800	147 @ 1800	24
26 Calibration Flow	405	437	442	680	537	359	25
27 Check Point (1) PSI @ RPM	114 - 122 @ 1500	120 - 128 @ 1400	98 - 106 @ 1300	127 - 135 @ 1500	109 - 116 @ 1500	112 - 119 @ 1400	26
28 Check Point (1) Flow	325	335	349	575	470	313	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.820 - 143847	.791 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	42 - 140923	30 - 141633	30 - 141633	25 - 141631	35 - 140922	35 - 140922	33
35 Fuel Pump Housing				3021980			34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153236 - .000	3001155 - .000	3000939 - .000	3001159 - .000	3000936 - .000	3000940 - .000	36
38 Gear Pump Size In.	.750	.750	.750	1.000	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040810	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	142865 - .000 - .700	142867 - .000 - .700				138785 - .030 - .630	40
42 VS Gov. Max. Spring - Ref. Shims	109689 - .000	109689 - .000	70822 - .000	109688 - .000	109686 - .000	109687 - .000	41
43 VS Gov. Idle Spring	70778	70778	70778	70778	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	AR40230	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	10 - 4.9	10 - 4.9		7 - 3.4	7 - 3.4	10 - 4.9	47
49 AFC RPM - PSI	1600 - 55	1600 - 55		1600 - 35	1600 - 35	1600 - 55	48
50 AFC Flow - pph	236	236		275	275	236	49
51 AFC Spring - Gage Height-In.	3007692 -	3007692 -		179828 -	179828 -	3007692 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 39	1600 - 39		1600 - 76	1600 - 76	1600 - 39	52
54 AFC No Air Flow	201	201		365	365	201	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KT1A19-C	KT1A19-C	KT19-C	KT1A19-C	KT1A19-C	KT1A19-C	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE FUEL PUMP P.N. 3042225
- (2) USE FUEL PUMP P.N. 3042225
- (3) USE FUEL PUMP P.N. 3042137
- (4) USE FUEL PUMP P.N. 3021980 FOR USE WITH CHECK VALVES
- (5) USE WITH CHECK VALVES USE FP # 3042225
- (6) USE F.P. PN 3042225 FOR USE WITH CHECK VALVES

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E790-A - E795-A

1 Pump Code	E790-A	E791-A	E792-A	E793-B	E794-A	E795-A	1
2 Date - Control Parts List	NOV91 - 1253	NOV91 - 0447	NOV91 - 0293	NOV91 - 0293	NOV91 - 0447	NOV91 - 0293	2
3 Test HP @ RPM	686 - 714 @ 2100	539 - 561 @ 2100	465 - 484 @ 2000	416 - 434 @ 1800	588 - 612 @ 2100	416 - 434 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	180 - 199	152 - 168	129 - 131	98 - 108	181 - 201	95 - 105	5
6 Fuel Rate Pound Per Hour	240 - 250	194 - 203	165 - 172	143 - 150	217 - 226	143 - 150	6
7 Intake Manifold Press. In./Hg	59 - 68	41 - 50	36 - 44	31 - 37	41 - 49	31 - 37	7
8 Torque Rise % - Curve	15 -		32 -	8 -	10 -	8 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2200 - 2220	2200 - 2220	2100 - 2120	1890 - 1910	2190 - 2210	1890 - 1910	11
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	2110 - 2130	2010 - 2030	1810 - 1830	2120 - 2140	1810 - 1830	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2570 @ 15						14
15 Min. Auto. Gov. Check-RPM @ PSI	2270 @ 15						15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2420 @ 15	2440 @ 15	2280 @ 15	2090 @ 15	2430 @ 15	2090 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2200 @ 15	2440 @ 15	2280 @ 15	2090 @ 15	2430 @ 15	2090 @ 15	19
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	220 @ 700	220 @ 650	240 @ 800	230 @ 700	230 @ 700	280 @ 800	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 220						24
25 Calibration PSI @ RPM	196 @ 2100	160 @ 2100	125 @ 2000	111 @ 1800	200 @ 2100	111 @ 1800	25
26 Calibration Flow	437	605	557	503	676	503	26
27 Check Point (1) PSI @ RPM	122 - 129 @ 1400	116 - 123 @ 1500	93 - 100 @ 1300	93 - 100 @ 1500	130 - 138 @ 1500	93 - 100 @ 1500	27
28 Check Point (1) Flow	338	509	475	461	535	461	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	32 - 141634	35 - 140922	27 - 141632	32 - 141634	25 - 141631	32 - 141634	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3001155 - .000	143251 - .000	3001147 - .000	3000940 - .000	3001156 - .000	3000940 - .000	37
38 Gear Pump Size In.	.750	1.000	.750	.750	1.000	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	142866 - .000 - .700	142866 - .000 -	139586 - .050 -	138787 - .000 -		138787 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109687 - .000	70822 - .000	109687 - .000	70822 - .000	109687 - .000	42
43 VS Gov. Idle Spring	70778	70778	70778	70778	70778	70778	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148		212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	10 - 4.9	17 - 8.3	17 - 8.3	17 - 8.3		17 - 8.3	48
49 AFC RPM - PSI	1600 - 55	1600 - 62	1600 - 95	1600 - 95		1600 - 95	49
50 AFC Flow - gph	236	350	430	430		430	50
51 AFC Spring - Gage Height-In.	3007692 -	3000592 -	179832 -	179832 -		179832 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 39	1600 - 76	1600 - 76	1600 - 76		1600 - 76	53
54 AFC No Air Flow	201	400	410	410		410	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA19-C	KTA19-C	KTA19-C	KTA19-C	KTA19-P	KTA19-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP P.N. 3042225 USE WITH CHECK VALVES
- (2) USE F.P. # 3049669
- (3) USE FUEL PUMP P.N. 3042225
- (4) USE WITH CHECK VALVES USE WITH WET EXHAUST USE FUEL PUMP P.N. 3042225
- (5) USE WITH CHECK VALVES FOR USE WITH WET EXHAUST ENGINE USE FUEL PUMP P.N. 3201878
- (6) USE WITH CHECK VALVES USE FUEL PUMP P.N. 3042225

1 Pump Code	E797-A	E798-C	E799-A	E800-K	E801-C	E804-D	
2 Date - Control Parts List	NOV91 - 0444	AUG90 - 0445	NOV91 - 0444	JAN87 - 0334	AUG81 - 0183	MAR91 - 0438	1
3 Test HP @ RPM	329 - 343 @ 2100	421 - 439 @ 1800	417 - 433 @ 2100	514 - 534 @ 1900	441 - 459 @ 2100	441 - 459 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	116 - 128	142 - 157	160 - 177	140 - 155	171 - 185	177 - 183	4
6 Fuel Rate Pound Per Hour	126 - 132	145 - 151	155 - 161	180 - 188	164 - 171	164 - 171	5
7 Intake Manifold Press. In./Hg	29 - 36	33 - 41	38 - 47	40 - 48	32 - 40	40 - 48	6
8 Torque Rise % - Curve	23 -	9 -		13 - CO-3864-1	20 - C-3562	20 - C-4093	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2190 - 2210	1900 - 1920	2200 - 2220	1920 - 1940	2130 - 2150	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	1820 - 1840	2120 - 2140	1800 - 1850	1980 - 2000	1980 - 2000	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2270 @ 15		2060 @ 40		2400 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI		1970 @ 15					14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2390 @ 15	2106 @ 15	2450 @ 15		2400 @ 40		17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2390 @ 15	1890 @ 15	2450 @ 15		2400 @ 40		18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	75 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.				10 @ 700	10 @ 700	15 @ 700	21
23 Idle Speed cc @ RPM-Auto.	230 @ 700	240 @ 800	240 @ 700		250 @ 700	250 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 800 - 240					23
25 Calibration PSI @ RPM	122 @ 2100	148 @ 1800	176 @ 2100	143 @ 1900	180 @ 2100	180 @ 2100	24
26 Calibration Flow	401	440	485	574	525 -	525 -	25
27 Check Point (1) PSI @ RPM	85 - 92 @ 1500	120 - 128 @ 1500	123 - 130 @ 1500	94 - 100 @ 1300	128 - 134 @ 1500	128 - 134 @ 1500	26
28 Check Point (1) Flow	326	400	398	461	436	436	27
29 Check Point (2) PSI @ RPM				63 - 69 @ 1000	67 - 73 @ 1000	67 - 73 @ 1000	28
30 Check Point (2) Flow				375	285	285	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.890 - 143847	.800 - 143855	.800 - 143855	32
34 Idle Plunger Code - Part No.	30 - 141633	22 - 141630	35 - 140922	22 - 141630	32 - 141634	32 - 141634	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	153237 - .000	3001155 - .000	143252 - .000	143251 - .000	143251 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	163826	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	AR40130	AR40130	3010810	39
41 Torque Spring - Shims - Gage Height	138782 - .020 -	142699 - .030 - .630	138769 - .030 -	138769 - .030 -	138791 - .000 -	138791 - .000 -	40
42 VS Gov. Max. Spring - Ref. Shims	70822 - .000	109687 - .000	109689 - .000	109686 - .000	109687 - .000	109686 - .000	41
43 VS Gov. Idle Spring	70778	153240	70778	70778	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	AR40230	AR40230	AR40230	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI		10 - 4.9	15 - 7.3	14 - 6.8	10 - 4.9	10 - 4.9	47
49 AFC RPM - PSI		1600 - 67	1600 - 81	1600 - 58	1600 - 79	1600 - 79	48
50 AFC Flow - pph		390	368	334	335	335	49
51 AFC Spring - Gage Height-In.		179828 -	179828 -	179836 -	179830 -	179832 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI		1600 - 63	1600 - 63	1600 - 34	1600 - 59	1600 - 63	52
54 AFC No Air Flow		372	360	275	252	252	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency				1978 EPA	1980 EPA	1981 EPA	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KT19-C	KT19-C	KT19-C	KTA-525	KT-450	KT19-450	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE FUELPUMP PN 3042137
- (2) USE WITH CHECK VALVES USE WITH FUELPUMP P.N. 3042225
- (3) USE WITH CHECK VALVES USE WITH FUELPUMP P.N. 3042225
- (4) + .055 ON V.S. GOV. SPRING
- (5) USE WITH AIR SIGNAL ATTENUATOR ONLY. + .055 SHIM ON V.S. GOV. SPRING. THIS PUMP REQUIRES ROAD SPEED GOV. 3020411 AND RETURN SPRING 3020409.
- (6) USE WITH HYD. ASA 3020760 + .055 SHIMS ON V.S. GOV. SPRING. THIS PUMP REQUIRES ROAD SPEED GOV.3020411 AND RETURN SPRING 3020409

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E805-B - E810-A

	E805-B	E806-A	E807-A	E808-B	E809-A	E810-A	
1 Pump Code							1
2 Date - Control Parts List	MAR91 - 0334	NOV91 - 0447	NOV91 - 0447	NOV91 - 1253	NOV91 - 1253	NOV91 - 0444	2
3 Test HP @ RPM	514 - 534 @ 1900	500 - 520 @ 2100	500 - 520 @ 2100	637 - 663 @ 2100	543 - 565 @ 1800	441 - 459 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	140 - 155	135 - 149	135 - 149	161 - 177	122 - 134	174 - 192	5
6 Fuel Rate Pound Per Hour	180 - 188	180 - 189	180 - 189	225 - 235	188 - 196	163 - 170	6
7 Intake Manifold Press. In./Hg	40 - 48	38 - 46	38 - 46	57 - 65	45 - 54	41 - 49	7
8 Torque Rise % - Curve	13 - 00-3864-1	10 -	10 -	15 -	6 -	20 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1990 - 2010	2190 - 2210	2190 - 2210	2200 - 2220	1890 - 1910	2190 - 2210	11
12 VS/Sec. Gov. Setting-RPM	1930 - 1950	2120 - 2140	2120 - 2140	2120 - 2140	1820 - 1840	2120 - 2140	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2540 @ 15					14
15 Min. Auto. Gov. Check-RPM @ PSI		2300 @ 15					15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2060 @ 15	2400 @ 15	2400 @ 15	2420 @ 15	2100 @ 15	2420 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2060 @ 15	2200 @ 15	2400 @ 15	2420 @ 15	2100 @ 15	2420 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	15 @ 700						22
23 Idle Speed cc @ RPM-Auto.	250 @ 700	230 @ 700	230 @ 700	220 @ 850	210 @ 700	220 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 700 - 230					24
25 Calibration PSI @ RPM	143 @ 1900	150 @ 2100	142 @ 2100	178 @ 2100	128 @ 1800	191 @ 2100	25
26 Calibration Flow	574	564	564	405	342	507	26
27 Check Point (1) PSI @ RPM	94 - 100 @ 1300	95 - 103 @ 1500	89 - 98 @ 1500	119 - 127 @ 1500	94 - 102 @ 1400	132 - 139 @ 1500	27
28 Check Point (1) Flow	461	445	445	338	297	421	28
29 Check Point (2) PSI @ RPM	63 - 69 @ 1000						29
30 Check Point (2) Flow	375						30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.890 - 143847	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	22 - 141630	37 - 140418	37 - 140418	35 - 140922	35 - 140922	27 - 141632	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143252 - .000	3000936 - .000	3000936 - .000	3001155 - .000	153232 - .000	3000939 - .000	37
38 Gear Pump Size In.	1.000	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138788 - .030 -	138788 - .000 - .650	138788 - .000 -	138780 - .020 -	142699 - .030 -	138780 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	70822 - .000	70822 - .000	109689 - .000	109689 - .000	109688 - .000	42
43 VS Gov. Idle Spring	70778	70778	70778	70778	70778	70778	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	AR40230	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	14 - 6.8	17 - 8.3	17 - 8.3	10 - 4.9	10 - 4.9	15 - 7.3	48
49 AFC RPM - PSI	1600 - 58	1600 - 62	1600 - 62	1600 - 55	1600 - 55	1600 - 61	49
50 AFC Flow - pph	334	350	350	236	236	368	50
51 AFC Spring - Gage Height-In.	179836 -	3000592 -	3000592 -	3007692 -	3007692 -	179828 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 34	1600 - 76	1600 - 76	1600 - 39	1600 - 39	1600 - 63	53
54 AFC No Air Flow	275	400	400	201	201	360	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1982 EPA						62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA19-525	KTA19-C	KTA19-C	KTTA19-C	KTTA19-C	KT19-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) + .055 ON V.S. GOV. SPRING. FOR USE WITH HYD. ASA 3020760
 (2) USE FUEL PUMP P.N. 3042225 FOR USE WITH CHECK VALVES
 (3) USE FUEL PUMP P.N. 3042225
 (4) USE FUEL PUMP P.N. 3042225 USE WITH CHECK VALVES
 (5) USE FP NUMBER 3042225
 (6) USE WITH CHECK VALVES USE FP NUMBER 3042225

1 Pump Code	E811-B	E812-A	E813-A	E814-A	E815-A	E817-A	1
2 Date - Control Parts List	JAN92 - 0445	NOV91 - 0447	NOV91 - 1253	NOV91 - 1253	NOV91 - 1253	NOV91 - 1499	2
3 Test HP @ RPM	421 - 439 @ 1800	490 - 510 @ 1800	588 - 612 @ 1800	661 - 688 @ 1900	661 - 689 @ 2100	686 - 714 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	142 - 157	124 - 138	135 - 149	163 - 179	167 - 184	180 - 198	5
6 Fuel Rate Pound Per Hour	145 - 151	168 - 174	198 - 206	224 - 232	229 - 238	240 - 250	6
7 Intake Manifold Press. In./Hg	33 - 41	35 - 43	51 - 59	58 - 66	59 - 68	59 - 68	7
8 Torque Rise % - Curve	9 -	2 -	2 -	8 -	18 -	15 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1900 - 1920	1920 - 1940	1910 - 1930	1990 - 2010	2200 - 2210	2200 - 2220	11
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	1820 - 1840	1820 - 1840	1920 - 1940	2120 - 2140	2120 - 2140	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2220 @ 15						14
15 Min. Auto. Gov. Check-RPM @ PSI	1980 @ 15						15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2106 @ 15	2060 @ 15	2150 @ 15	2457 @ 15	2450 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1906 @ 15	2106 @ 15	2060 @ 15	2150 @ 15	2457 @ 15	2450 @ 15	19
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	240 @ 700	220 @ 700	150 @ 700	160 @ 725	220 @ 700	220 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 240	@ 700 - 220					24
25 Calibration PSI @ RPM	148 @ 1800	139 @ 1800	142 @ 1800	171 @ 1900	183 @ 2100	189 @ 2100	25
26 Calibration Flow	440	537	352	393	404	437	26
27 Check Point (1) PSI @ RPM	120 - 128 @ 1500	107 - 114 @ 1500	103 - 110 @ 1400	123 - 130 @ 1400	122 - 129 @ 1400	120 - 126 @ 1400	27
28 Check Point (1) Flow	400	475	305	335	332	335	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	22 - 141630	17 - 140417	17 - 140417	30 - 141633	27 - 141632	30 - 141633	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	153238 - .000	153238 - .000	143252 - .000	153237 - .000	3001155 - .000	37
38 Gear Pump Size In.	1.000	1.000	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	3002044	3002044	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	142699 - .030 - .630	142696 - .010 -	138769 - .010 -	142864 - .000 -	142870 - .000 -	142867 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109689 - .000	109686 - .000	109686 - .000	109686 - .000	109689 - .000	42
43 VS Gov. Idle Spring	153240	70778	70778	70778	70778	70778	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	10 - 4.9	7 - 3.4	10 - 4.9	10 - 4.9	10 - 4.9	10 - 4.9	48
49 AFC RPM - PSI	1600 - 67	1600 - 35	1600 - 55	1600 - 55	1600 - 55	1600 - 55	49
50 AFC Flow - pph	390	275	236	236	236	236	50
51 AFC Spring - Gage Height-In.	179828 -	179828 -	3007692 -	3007692 -	3007692 -	3007692 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 82	1600 - 76	1600 - 39	1600 - 39	1600 - 39	1600 - 39	53
54 AFC No Air Flow	416	365	201	201	201	201	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT19-C	KTA19-P	KTTA19-P	KTTA19-C	KTTA19-C	KTTA19-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH CHECK VALVES USE WITH FUEL PUMP P.N. 3049869
- (2) FOR USE WITH CHECK VALVES USE WITH FP NUMBER 3049869
- (3) USE FP NUMBER 3042225
- (4) USE WITH FP 3042225
- (5) USE WITH CHECK VALVES USE WITH FUEL PUMP P.N. 3042225
- (6) USE FUEL PUMP P.N. 3042225

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E818-A - E823-A

1 Pump Code	E818-A	E819-A	E820-B	E821-A	E822-A	E823-A	
2 Date - Control Parts List	FEB91 - 1253	NOV91 - 0444	NOV91 - 0447	NOV91 - 1253	NOV91 - 1253	NOV91 - 0293	1
3 Test HP @ RPM	637 - 663 @ 2100	441 - 459 @ 2100	490 - 510 @ 1800	637 - 663 @ 2100	617 - 643 @ 1800	470 - 490 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	161 - 177	174 - 192	124 - 138	161 - 177	145 - 161	116 - 128	4
6 Fuel Rate Pound Per Hour	225 - 235	163 - 170	168 - 174	223 - 232	208 - 218	161 - 168	5
7 Intake Manifold Press. In./Hg	57 - 65	41 - 49	35 - 43	55 - 63	52 - 60	36 - 44	6
8 Torque Rise % - Curve	15 -	20 -	2 -	15 -	8 -	8 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2200 - 2220	2190 - 2210	1960 - 1980	2200 - 2220	1920 - 1940	1920 - 1940	10
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	2120 - 2140	1820 - 1840	2120 - 2140	1820 - 1840	1820 - 1840	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI					2300 @ 15	2300 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI					2000 @ 15	2000 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2420 @ 15	2420 @ 15	2106 @ 15	2450 @ 15	2106 @ 15	2106 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2420 @ 15	2420 @ 15	2106 @ 15	2450 @ 15	1900 @ 15	1900 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	160 @ 650	220 @ 760	220 @ 700	160 @ 675	350 @ 850	250 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc			@ 700 - 220		@ 850 - 350	@ 700 - 250	23
25 Calibration PSI @ RPM	176 @ 2100	191 @ 2100	131 @ 1800	169 @ 2100	160 @ 1800	125 @ 1800	24
26 Calibration Flow	405	507	535	405	407	559	25
27 Check Point (1) PSI @ RPM	119 - 127 @ 1500	132 - 139 @ 1500	101 - 108 @ 1500	114 - 122 @ 1500	128 - 136 @ 1400	106 - 112 @ 1500	26
28 Check Point (1) Flow	338	421	472	325	355	506	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143848	.800 - 143854	32
34 Idle Plunger Code - Part No.	35 - 140922	27 - 141632	17 - 140417	42 - 140923	27 - 141632	30 - 141633	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3001155 - .000	3000939 - .000	153238 - .000	153238 - .000	153238 - .000	143252 - .000	36
38 Gear Pump Size In.	.750	.750	1.000	.750	1.000	1.000	37
39 Auto. Gov. Weights	146437	146437	3002044	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138780 - .020 -	138780 - .020 -	142699 - .015 -	142665 - .000 -	138787 - .010 - .610	138787 - .030 - .630	40
42 VS Gov. Max. Spring - Ref. Shims	109689 - .000	109688 - .000	70822 - .000	109689 - .000	109687 - .000	109686 - .000	41
43 VS Gov. Idle Spring	70778	70778	70778	153240	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	AR40230	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	10 - 4.9	15 - 7.3	7 - 3.4	10 - 4.9	10 - 4.9	17 - 8.3	47
49 AFC RPM - PSI	1600 - 55	1600 - 81	1600 - 35	1600 - 55	1600 - 55	1600 - 62	48
50 AFC Flow - pph	236	368	275	236	236	559	49
51 AFC Spring - Gage Height-In.	3007692 -	179828 -	179828 -	3007692 -	179834 -	3000592 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 39	1600 - 63	1600 - 76	1600 - 39	1600 - 50	1600 - 76	52
54 AFC No Air Flow	201	360	365	201	214	400	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KT19-C	KT19-C	KT19-P	KT19-C	KT19-C	KT19-C	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE FUELPUMP P.N. 3042225 USE WITH CHECK VALVES
- (2) USE WITH CHECK VALVES USE FP NUMBER 3042225
- (3) USE WITH FUEL PUMP 3049869
- (4) USE FUEL PUMP P.N. 3042225
- (5) USE WITH FUEL PUMP PN 3074637 USE WITH BUSHED GEAR PUMP
- (6) USE WITH FUEL PUMP PN 3074636 USE WITH BUSHED GEAR PUMP

1 Pump Code	E824-A	E825-A	E826-A	E827-C	E828-A	E829-A	
2 Date - Control Parts List	DEC92 - 0445	NOV91 - 1253	SEP92 - 1253	MAR93 - 1506	NOV91 - 0447	NOV91 - 1253	1
3 Test HP @ RPM	397 - 413 @ 1800	637 - 663 @ 2100	661 - 689 @ 2100	460 - 479 @ 2000	588 - 612 @ 2100	661 - 688 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	126 - 140	160 - 176	167 - 185	177 - 196	181 - 200	183 - 179	4
6 Fuel Rate Pound Per Hour	136 - 142	223 - 232	229 - 238	171 - 178	216 - 225	224 - 232	5
7 Intake Manifold Press. In./Hg	31 - 37	56 - 64	59 - 68	50 - 58	41 - 49	58 - 66	6
8 Torque Rise % - Curve	4 -	15 -	18 -	25 -	10 - C-4129	8 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1890 - 1910	2190 - 2210	2190 - 2210	2090 - 2110	2190 - 2210	1990 - 2010	10
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	2120 - 2140	2120 - 2140	2020 - 2040	2120 - 2140	1920 - 1940	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI				2457 @ 15			13
15 Min. Auto. Gov. Check-RPM @ PSI				2200 @ 15			14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 20	2450 @ 15	2457 @ 15	2340 @ 15	2457 @ 15	2130 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 20	2450 @ 15	2457 @ 15	2000 @ 15	2457 @ 15	2130 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	230 @ 800	160 @ 675	200 @ 700	466 @ 800	210 @ 800	160 @ 725	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 800 - 230	@ 675 - 160	@ 725 - 200	@ 800 - 420	@ 800 - 210	@ 725 - 160	23
25 Calibration PSI @ RPM	150 @ 1800	174 @ 2100	176 @ 2100	187 @ 2000	191 @ 2100	178 @ 1900	24
26 Calibration Flow	442	392	404	685	676	393	25
27 Check Point (1) PSI @ RPM	98 - 106 @ 1300	119 - 126 @ 1500	118 - 125 @ 1400	134 - 141 @ 1400	123 - 130 @ 1500	132 - 139 @ 1400	26
28 Check Point (1) Flow	349	324	329	580	541	318	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	30 - 141633	32 - 141634	20 - 141629	15 - 139894	25 - 141631	22 - 141630	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3000939 - .000	153236 - .000	153238 - .000	143252 - .090	3001156 - .000	153237 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	1.000	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	X	3040750	39
41 Torque Spring - Shims - Gage Height		138768 - .040 -	138784 - .050 -	3083161 - .100 - .600		138768 - .020 -	40
42 VS Gov. Max. Spring - Ref. Shims	70822 - .000	109687 - .000	70822 - .000	70821 - .000	70822 - .000	109686 - .000	41
43 VS Gov. Idle Spring	70778	70778	70778	153240	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	AR40230	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI		10 - 4.9	10 - 4.9	7 - 3.4	16 - 7.8	10 - 4.9	47
49 AFC RPM - PSI		1600 - 55	1600 - 55	1400 - 59	1600 - 64	1600 - 55	48
50 AFC Flow - pph		236	236	380	372	236	49
51 AFC Spring - Gage Height-In.		3007692 -	3007692 -	179824 -	179828 -	3007692 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI		1600 - 39	1600 - 39	1400 - 74	1600 - 76	1600 - 39	52
54 AFC No Air Flow		201	201	416	280	201	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KT19-C	KT19-C	KT19-C	KT19-C	KT19-P	KT19-C	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE FUEL PUMP P.N. 3042137 FOR USE WITH CHECK VALVES
- (2) USE FUEL PUMP P.N. 3042225 USE WITH CHECK VALVES USE .190 GOV. SHIMS
- (3) USE WITH FUEL PUMP P.N. 3042225
- (4) USE .090 GPV SHIMS USE WITH FP 3042225
- (5) USE WITH FUEL PUMP P.N. 3049869 USE .160 GOV. SHIMS USE WITH WET EXHAUST
- (6) USE FP NUMBER 3042225 HIGH IDLE 2080/2180 RPM FOR USE WITH CHECK VALVES

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E830-B - E835-A

1 Pump Code	E830-B	E831-A	E832-A	E833-A	E834-A	E835-A	
2 Date - Control Parts List	MAR93 - 0447	APR92 - 0447	JUL92 - 0444	JUL92 - 0447	APR93 - 0293	APR93 - 0293	1
3 Test HP @ RPM	544 - 566 @ 1800	514 - 535 @ 2100	392 - 408 @ 2100	515 - 536 @ 2100	470 - 490 @ 1800	480 - 504 @ 2100	2
4 Governed Speed-RPM		2100					3
5 Engine Fuel PSI	142 - 156	135 - 149	146 - 162	135 - 149	118 - 130	124 - 137	4
6 Fuel Rate Pound Per Hour	184 - 191	183 - 191	147 - 153	183 - 191	158 - 166	168 - 175	5
7 Intake Manifold Press. In./Hg	40 - 48	39 - 48	36 - 44	40 - 48	36 - 44	39 - 47	6
8 Torque Rise % - Curve	2 - C-3452-B		35 -	20 - C-3537-C	8 -	25 - C-3537-C	7
9 Torque Peak - PSI @ RPM		- @ 1500					8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1890 - 1910	2200 - 2220	2190 - 2210	2190 - 2210	1920 - 1940	2190 - 2210	10
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	2120 - 2140	2120 - 2140	2130 - 2150	1820 - 1840	2130 - 2150	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2575 @ 15	2620 @ 15	2600 @ 15	2277 @ 15	2661 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	1960 @ 15	2440 @ 15	2450 @ 15	2450 @ 15	2197 @ 15	2501 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2130 @ 15	2479 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2000 @ 15	2300 @ 15	2300 @ 15	2300 @ 15	1970 @ 15	2319 @ 15	18
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28, 11 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	15 @ 700						21
23 Idle Speed cc @ RPM-Auto.	180 @ 825	220 @ 700	250 @ 700	180 @ 700	250 @ 700	230 @ 775	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 850 - 180	@ 700 - 220	@ 700 - 250	@ 700 - 180	@ 700 - 250	@ 775 - 230	23
25 Calibration PSI @ RPM	158 @ 1800	151 @ 2100	154 @ 2100	142 @ 2100	132 @ 1800	139 @ 2100	24
26 Calibration Flow	602	595	462	595	493	553	25
27 Check Point (1) PSI @ RPM	128 - 135 @ 1500	110 - 117 @ 1500	125 - 131 @ 1500	103 - 110 @ 1500	109 - 116 @ 1500	108 - 114 @ 1500	26
28 Check Point (1) Flow	518	508	415	510	437	441	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	27 - 141632	30 - 141633	32 - 141634	35 - 140922	37 - 140418	40 - 137370	33
35 Fuel Pump Housing	3049869	3042225	3042137	3049869			34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3000938 - .130	153237 - .210	3004755 - .200	153238 - .120	143253 - .140	153237 - .145	36
38 Gear Pump Size In.	1.000	.750	.750	1.000	1.000	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	X	3040750	3040750	X	X	X	39
41 Torque Spring - Shims - Gage Height		138782 - .030 - .650	3053168 - .084 - .585	3053162 - .080 - .580	3053160 - .040 - .540	3053167 - .076 - .576	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109687 - .000	109687 - .000	109687 - .000	109686 - .000	109687 - .000	41
43 VS Gov. Idle Spring	153240	70778	70778	70778	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	AR40230	212350	212350	AR40230	AR40230	X	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	7 - 3.4	7 - 3.4		7 - 3.4	17 - 8.3	17 - 8.3	47
49 AFC RPM - PSI	1600 - 35	1600 - 35		1600 - 35	1600 - 62	1600 - 95	48
50 AFC Flow - gph	275	275		275	559	430	49
51 AFC Spring - Gage Height-In.	179828 -	179828 -		179828 -	3000592 -	3000592 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 76	1600 - 76		1600 - 76	1600 - 76	1600 - 76	52
54 AFC No Air Flow	410	365		410	400	410	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA19-C	KTA19-C	KT19-C	KTA19-C	KTA19-C	KTA19-C	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH FP NUMBER 3049869 FOR USE WITH TLV CONTROL FOR USE WITH CHECK VALVES USE .130 AUTO GOV. SHIMS
- (2) FOR USE WITH CHECK VALVES USE FP # 3042225
- (3) USE WITH FP P.N. 3042137
- (4) USE WITH PUMP P.N. 3049869
- (5) USE WITH FUEL PUMP PN 3081050 USE WITH BUSHED GEAR PUMP USE WITH CHECK VALVES
- (6) USE WITH FUEL PUMP P.N.3042225 USE WITH CHECK VALVES

1 Pump Code	E900-I	E901-C	E902-C	E903-F	E904-C	E905-D	1
2 Date - Control Parts List	APR93 - 0232	OCT81 - 0245	OCT81 - 0245	OCT81 - 0245	OCT77 - 0245	OCT77 - 0232	2
3 Test HP @ RPM	451 - 469 @ 1800	450 - 469 @ 1800	543 - 566 @ 1800	544 - 566 @ 1800	544 - 566 @ 1800	451 - 469 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	171 - 187	162 - 176	145 - 159	145 - 159	145 - 159	163 - 179	5
6 Fuel Rate Pound Per Hour	158 - 165	154 - 160	189 - 195	189 - 195	186 - 193	161 - 168	6
7 Intake Manifold Press. In./Hg	32 - 40	28 - 36	33 - 41	33 - 41	33 - 41	32 - 40	7
8 Torque Rise % - Curve							8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1925	1915 - 1935	1915 - 1935	1915 - 1935	2005 - 2025	2005 - 2025	11
12 VS/Sec. Gov. Setting-RPM					1910 - 1925	1910 - 1925	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2075 @ 40	2075 @ 40	2075 @ 40			14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40				2075 @ 40	2125 @ 40	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40				2075 @ 40	2125 @ 40	19
20 Throttle Leakage-cc - pph	75 -	75 -	75 -	75 - 205		75 -	20
21 Throttle Travel-Auto., VS, Lever	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	12 @ 600	12 @ 600	12 @ 600	12 @ 600	12 @ 600	12 @ 600	22
23 Idle Speed cc @ RPM-Auto.							23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	172 @ 1800	172 @ 1800	172 @ 1800	153 @ 1800	153 @ 1800	171 @ 1800	25
26 Calibration Flow	500	500	500	620	620	470	26
27 Check Point (1) PSI @ RPM		142 - 148 @ 1500	134 - 140 @ 1500	126 - 132 @ 1500	125 - 131 @ 1500	146 - 152 @ 1500	27
28 Check Point (1) Flow		456	445	520	520	440	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.900 - 143847	.900 - 143847	.900 - 143847	.900 - 143847	.900 - 143847	.900 - 143847	33
34 Idle Plunger Code - Part No.	7 - 141624	10 - 141625	10 - 141625	32 - 141634	25 - 141631	10 - 141625	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	143254 - .000	147292 - .000	143251 - .000	143251 - .000	143251 - .000	143254 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	AR40130	AR40130	AR40130	AR40130	AR40130	AR40130	40
41 Torque Spring - Shims - Gage Height	139586 - .000 -					139586 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims					70821 - .000	70821 - .000	42
43 VS Gov. Idle Spring					70778	70778	43
44 VS Gov. Weights					163826	163826	44
45 VS Gov. Plunger					AR40240	AR40240	45
46 VS Gov. Sleeve					212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-in.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT-1150 G/GS/GC	KT-1150 G/GS/GC	KTA-1150 G/GS/GC	KTA-1150 G/GS/GC	KTA-1150 G/GS/GC	KT-1150 G/GS/GC	66
67 Notes	SEE NOTE (1)			SEE NOTE (4)	SEE NOTE (5)		67

NOTES

(1) AFC HSG WITH AFC PLUG INSTALLED NON PRESSURIZED.

(4) AFC HSG. WITH AFC PLUG INSTALLED NON-PRESSURIZED.

(5) V.S. AFC HSG. WITH AFC PLUG INSTALLED PRESSURIZED HSG.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E906-C - E911-C

1 Pump Code	E906-C	E907-B	E908-C	E909-C	E910-B	E911-C	
2 Date - Control Parts List	MAR78 - 0232	MAR78 - 0232	MAR77 - 0245	MAR77 - 0245	MAR77 - 0245	MAR81 - 0297	2
3 Test HP @ RPM	456 - 474 @ 1800	456 - 474 @ 1800	548 - 571 @ 1800	549 - 571 @ 1800	548 - 571 @ 1800	456 - 474 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	171 - 187	171 - 187	150 - 164	150 - 166	159 - 173	171 - 187	5
6 Fuel Rate Pound Per Hour	158 - 165	158 - 165	189 - 195	189 - 196	189 - 195	158 - 165	6
7 Intake Manifold Press. In./Hg	32 - 40	32 - 40	35 - 44	36 - 45	35 - 44	34 - 42	7
8 Torque Rise % - Curve			10 -	10 -	10 -		8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1925	2005 - 2025	1910 - 1925	1995 - 2015	1910 - 1925	2005 - 2025	11
12 VS/Sec. Gov. Setting-RPM		1910 - 1925		1810 - 1830		1910 - 1925	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40		2100 @ 40		2100 @ 40		14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2125 @ 40		2100 @ 40		2125 @ 40	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2125 @ 40		2100 @ 40		2125 @ 40	19
20 Throttle Leakage-cc - pph	75 -	75 -	75 -	75 -	75 -	75 -	20
21 Throttle Travel-Auto. - VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	12 @ 600	12 @ 600	12 @ 600	12 @ 600	20 @ 600	12 @ 600	22
23 Idle Speed cc @ RPM-Auto.							23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	175 @ 1800	175 @ 1800	160 @ 1800	160 @ 1800	166 @ 1800	175 @ 1800	25
26 Calibration Flow	500	485	620	620	590	485	26
27 Check Point (1) PSI @ RPM	158 - 166 @ 1500	151 - 159 @ 1500	120 - 126 @ 1300	121 - 127 @ 1300	139 - 147 @ 1500	151 - 159 @ 1500	27
28 Check Point (1) Flow	475	457	535	540	538	457	28
29 Check Point (2) PSI @ RPM	135 - 143 @ 1300	135 - 143 @ 1300		77 - 83 @ 1000	125 - 133 @ 1300	135 - 143 @ 1300	29
30 Check Point (2) Flow	440	430		435	510	430	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.900 - 143847	.900 - 143847	.900 - 143847	.880 - 143847	.850 - 143847	.900 - 143847	33
34 Idle Plunger Code - Part No.	7 - 141624	10 - 141625	22 - 141630	17 - 140417	15 - 139894	10 - 141625	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	143254 - .000	143254 - .000	143252 - .000	3000935 - .000	3001147 - .000	143254 - .000	37
38 Gear Pump Size-In.	.750	.750	1.000	1.000	1.000	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	AR40130	AR40130	AR40130	AR40130	AR40130	AR40130	40
41 Torque Spring - Shims - Gage Height	139586 - .000 -	3002047 - .000 -	142864 - .045 -	142867 - .060 -	142866 - .000 -	3002047 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims		70821 - .000		70821 - .000		70821 - .000	42
43 VS Gov. Idle Spring		70778		70778		70778	43
44 VS Gov. Weights		163826		163826		163826	44
45 VS Gov. Plunger		AR40240		AR40240		AR40230	45
46 VS Gov. Sleeve		212148		212148		212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT-1150/G/GS/GC	KT-1150 G/GS/GC	KTA 1150G/GS/GC	KTA 1150G/GS/GC	KTA-1150G/GS/GC	KT-1150G/GS/GC	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)			SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) AFC HSG. WITH AFC PLUG INSTALLED ENGINE MODEL KT-1150 G/GS/GC.
 (2) AFC HSG. WITH AFC PLUG INSTALLED.
 (5) BLOCKED AFC.
 (6) AFC HSG. WITH AFC PLUG INSTALLED.

1 Pump Code	E912-D	E913-C	E914-D	E915-C	E916-C	E917-D	1
2 Date - Control Parts List	MAR81 - 0297	MAR81 - 0297	SEP82 - 0292	SEP82 - 0292	SEP82 - 0292	SEP82 - 0292	2
3 Test HP @ RPM	456 - 474 @ 1800	456 - 474 @ 1800	548 - 571 @ 1800	549 - 571 @ 1800	548 - 571 @ 1800	548 - 571 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	171 - 187	170 - 184	150 - 164	150 - 166	159 - 173	150 - 164	5
6 Fuel Rate Pound Per Hour	158 - 165	158 - 165	189 - 195	189 - 196	189 - 195	189 - 195	6
7 Intake Manifold Press. In./Hg	34 - 42	34 - 42	42 - 50	42 - 50	42 - 50	42 - 50	7
8 Torque Rise % - Curve							8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1925	1910 - 1925	1910 - 1925	1995 - 2015	1910 - 1925	1910 - 1925	11
12 VS/Sec. Gov. Setting-RPM				1810 - 1830			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2125 @ 40	2100 @ 40		2100 @ 40	2100 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2100 @ 40			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2100 @ 40			19
20 Throttle Leakage-cc - gph	75 -	75 -	75 -	75 -	75 -	75 -	20
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	12 @ 600	12 @ 600	12 @ 600	12 @ 600	20 @ 600	12 @ 600	22
23 Idle Speed cc @ RPM-Auto.							23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	175 @ 1800	178 @ 1800	160 @ 1800	160 @ 1800	166 @ 1800	180 @ 1800	25
26 Calibration Flow	500	530	620	620	590	620	26
27 Check Point (1) PSI @ RPM	152 - 160 @ 1500	158 - 165 @ 1500	120 - 126 @ 1300	121 - 127 @ 1300	139 - 147 @ 1500	137 - 143 @ 1300	27
28 Check Point (1) Flow	470	500	535	540	538	545	28
29 Check Point (2) PSI @ RPM	132 - 140 @ 1300	138 - 145 @ 1300		77 - 83 @ 1000	125 - 133 @ 1300		29
30 Check Point (2) Flow	440	470		435	510		30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.900 - 143847	.900 - 143847	.900 - 143847	.880 - 143847	.850 - 143847	.900 - 143847	33
34 Idle Plunger Code - Part No.	17 - 140417	10 - 141625	22 - 141630	17 - 140417	15 - 139994	12 - 141626	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	144195	144195	144195	144195	144195	144195	36
37 Auto. Gov. Spring - Ref. Shims	3001147 - .000	143254 - .000	143252 - .000	3000935 - .000	3001147 - .000	143252 - .000	37
38 Gear Pump Size In.	.750	.750	1.000	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	AR40130	AR40130	AR40130	AR40130	AR40130	AR40130	40
41 Torque Spring - Shims - Gage Height	138780 - .000 -	138784 - .000 -	142864 - .045 -	142867 - .060 -	142866 - .000 -	142864 - .045 -	41
42 VS Gov. Max. Spring - Ref. Shims				70821 - .000			42
43 VS Gov. Idle Spring				70778			43
44 VS Gov. Weights				163826			44
45 VS Gov. Plunger				AR40240			45
46 VS Gov. Sleeve				212148			46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - gph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT-1150/G/GS/GC	KT-1150-G/GS/GC	KTA-1150G/GS/GC	KTA-1150G/GS/GC	KTA-1150G/GS/GC	KTA-1150G/GS/GC	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)			SEE NOTE (5)		67

NOTES

- (1) AFC HSG.WITH AFC PLUG INSTALLED.
 (2) BLOCKED AFC.
 (5) BLOCKED AFC.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E918-C - E923-D

1 Pump Code	E918-C	E919-A	E920-B	E921-A	E922-A	E923-D	
2 Date - Control Parts List	MAR81 - 0297	JUN92 - 0446	JUN92 - 0446	JUN92 - 0446	JUN92 - 0446	JUL81 - 0446	1
3 Test HP @ RPM	455 - 475 @ 1800	456 - 474 @ 1800	456 - 474 @ 1800	456 - 474 @ 1800	455 - 475 @ 1800	456 - 474 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	162 - 175	170 - 188	170 - 188	171 - 189	161 - 177		4
6 Fuel Rate Pound Per Hour	158 - 165	158 - 165	158 - 165	158 - 165	158 - 165		5
7 Intake Manifold Press. In./Hg	34 - 42	37 - 45	37 - 45	37 - 45	37 - 45		6
8 Torque Rise % - Curve							7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1910 - 1925	2005 - 2025	1910 - 1925	1910 - 1925	1910 - 1925		10
12 VS/Sec. Gov. Setting-RPM		1910 - 1925					11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40		2100 @ 40	2125 @ 40	2100 @ 40		13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2200 @ 40					17
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2200 @ 40					18
20 Throttle Leakage-cc - pph	75 -	110 -	110 -	110 -	110 -		19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -		20
22 Idle Speed PSI @ RPM-Auto.	12 @ 600	12 @ 700	12 @ 700	12 @ 700	12 @ 700		21
23 Idle Speed cc @ RPM-Auto.		250 @ 700	250 @ 700	250 @ 700	250 @		22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	195 @ 1800	175 @ 1800	175 @ 1800	178 @ 1800	195 @ 1800		24
26 Calibration Flow	500	485	500	530	500		25
27 Check Point (1) PSI @ RPM	140 - 148 @ 1300	135 - 143 @ 1300	132 - 140 @ 1300	138 - 145 @ 1300	139 - 147 @ 1300		26
28 Check Point (1) Flow	435	430	440	470	450		27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.900 - 143847	.860 - 143847	.860 - 143847	.860 - 143847	.860 - 143847		32
34 Idle Plunger Code - Part No.	12 - 141626	10 - 141625	17 - 140417	10 - 141625	12 - 141626	10 - 141625	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	3018767	3018767	3018767	3018767	144195	35
37 Auto. Gov. Spring - Ref. Shims	3001147 - .000	143254 - .000	3001147 - .000	143254 - .000	3001147 - .000	143254 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	AR40130	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138780 - .000 -	3002047 - .000 -	138780 - .000 -	138784 - .000 -	138780 - .000 -	138784 - .000 -	40
42 VS Gov. Max. Spring - Ref. Shims		109685 - .000					41
43 VS Gov. Idle Spring		70778					42
44 VS Gov. Weights		163826					43
45 VS Gov. Plunger		AR40230					44
46 VS Gov. Sleeve		212148					45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KT1150G/GS/GC	KT 19 G/GS/GC	KT 19 G/GS/GC	KT 19 G	KT 19 G/GS/GC	KT-1150-G/GS/GC	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) AFC HOUSING WITH AFC PLUG INSTALLED.
- (2) AFC HSG. WITH AFC PLUG INSTALLED
- (3) AFC HOUSING WITH AFC PLUG INSTALLED USES PRESSURIZED GEAR PUMP
- (4) AFC HOUSING WITH AFC PLUG INSTALLED. USES PRESSURIZED GEAR PUMP.
- (5) AFC HOUSING WITH AFC PLUG INSTALLED USES PRESSURIZED GEAR PUMP
- (6) BLOCKED AFC

1 Pump Code	E924-A	E925-A	E926-B	E927-A	E928-A	E929-A	1
2 Date - Control Parts List	DEC80 - 0292	SEP90 - 0292	JUL91 - 0292	JUL91 - 0520	JUL91 - 0292	SEP90 - 0292	2
3 Test HP @ RPM	588 - 612 @ 1800	548 - 571 @ 1800	549 - 571 @ 1800	588 - 612 @ 1800	548 - 571 @ 1800	548 - 571 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	182 - 196	148 - 164	148 - 164	180 - 198	150 - 164	158 - 172	5
6 Fuel Rate Pound Per Hour	203 - 211	189 - 195	189 - 196	203 - 211	189 - 195	189 - 195	6
7 Intake Manifold Press. In./Hg	49 - 57	42 - 50	42 - 50	44 - 53	42 - 50	42 - 50	7
8 Torque Rise % - Curve							8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1925	1910 - 1925	1995 - 2015	1910 - 1925	1910 - 1925	1910 - 1925	11
12 VS/Sec. Gov. Setting-RPM			1810 - 1830				12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40	2100 @ 40		2100 @ 40	2100 @ 40	2100 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 AS Gov. Setting-PSI @ RPM							16
17 Low AS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2100 @ 40				18
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2100 @ 40				19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lvr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	12 @ 600	15 @ 700	12 @ 700	12 @ 600	15 @ 700	15 @ 700	22
23 Idle Speed cc @ RPM-Auto.	250 @ 700	250 @ 700	250 @ 700	250 @ 700	250 @ 700	250 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	189 @ 1800	174 @ 1800	168 @ 1800	189 @ 1800	160 @ 1800	170 @ 1800	25
26 Calibration Flow	660	590	620	660	620	590	26
27 Check Point (1) PSI @ RPM	154 - 161 @ 1500	131 - 139 @ 1300	125 - 133 @ 1300	154 - 161 @ 1500	117 - 125 @ 1300	123 - 131 @ 1300	27
28 Check Point (1) Flow	603	510	540	603	535	535	28
29 Check Point (2) PSI @ RPM			98 - 106 @ 1000				29
30 Check Point (2) Flow			435				30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.900 - 143847	.850 - 143847	.855 - 143847	.900 - 143847	.900 - 143847	.850 - 143847	33
34 Idle Plunger Code - Part No.	12 - 141626	15 - 139894	12 - 141626	12 - 141626	22 - 141630	22 - 141630	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143252 - .000	3001147 - .000	3000935 - .000	143252 - .000	143253 - .000	143253 - .000	37
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	142864 - .045 -	142866 - .000 -	142867 - .060 -	142864 - .045 -	142864 - .045 -	142864 - .045 -	41
42 VS Gov. Max. Spring - Ref. Shims			109686 - .000				42
43 VS Gov. Idle Spring			70778				43
44 VS Gov. Weights			163826				44
45 VS Gov. Plunger			AR40230				45
46 VS Gov. Sleeve			212148				46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA1150-G	KTA19-G1	KTA19-G1	KTA19-G2	KTA19-G1	KTA19-G1	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)		SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) FOR USE WITH PRESSURIZED GEAR PUMP. AFC HOUSING WITH AFC PLUG INSTALLED.
 (2) BLOCKED AFC. FOR USE WITH CHECK VALVES ONLY PRESSURIZED GEAR PUMP
 (4) FOR USE WITH PRESSURIZED GEAR PUMP. AFC HOUSING WITH AFC PLUG INSTALLED.
 (5) AFC HOUSING WITH AFC PLUG INSTALLED. USES PRESSURIZED GEAR PUMP AND NEW 5 DEGREE GOV PLUNGER REQUIRE APPROX. 110 SHIMS ON GOV PACK
 (6) BLOCKED AFC. PRESSURIZED GEAR PUMP. APPROXIMATELY 110 SHIMS ON GOV.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E930-A - E935-B

1 Pump Code	E930-A	E931-A	E932-A	E933-A	E934-A	E935-B	
2 Date - Control Parts List	JUL91 - 0292	JUL91 - 0292	JUN92 - 0446	SEP90 - 0520	NOV91 - 0520	SEP90 - 0520	1
3 Test HP @ RPM	548 - 571 @ 1800	549 - 571 @ 1800	456 - 474 @ 1800	586 - 612 @ 1800	588 - 612 @ 1800	588 - 612 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	150 - 166	150 - 166	161 - 177	176 - 196	175 - 193	178 - 196	4
6 Fuel Rate Pound Per Hour	189 - 195	189 - 196	158 - 165	200 - 208	203 - 211	203 - 211	5
7 Intake Manifold Press. In./Hg	42 - 50	42 - 50	37 - 45	49 - 57	49 - 57	49 - 57	6
8 Torque Rise % - Curve					3 -		7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1910 - 1925	1995 - 2015	1910 - 1925	1910 - 1925	1910 - 1925	1910 - 1925	10
12 VS/Sec. Gov. Setting-RPM		1910 - 1925					11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 40		2125 @ 40	2100 @ 40	2100 @ 40	2100 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2100 @ 40					17
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2100 @ 40					18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	15 @ 700	15 @ 700	12 @ 700	15 @ 700	15 @ 700	15 @ 700	21
23 Idle Speed cc @ RPM-Auto.	250 @ 700	250 @ 700	250 @ 700	250 @ 700	250 @ 700	250 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	170 @ 1800	160 @ 1800	188 @ 1800	199 @ 1800	199 @ 1800	209 @ 1800	24
26 Calibration Flow	620	620	530	660	660	660	25
27 Check Point (1) PSI @ RPM	123 - 131 @ 1300	124 - 130 @ 1300	147 - 154 @ 1300	164 - 170 @ 1500	164 - 170 @ 1500	170 - 176 @ 1500	26
28 Check Point (1) Flow	535	546	474	605	605	598	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.900 - 143847	.880 - 143847	.860 - 143847	.900 - 143847	.900 - 143847	.840 - 143847	32
34 Idle Plunger Code - Part No.	22 - 141630	15 - 139894	10 - 141625	12 - 141626	12 - 141626	12 - 141626	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	3004756 - .000	143254 - .000	143253 - .000	143253 - .000	143253 - .000	36
38 Gear Pump Size In.	1.000	1.000	.750	1.000	1.000	1.000	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	142864 - .045 -	142867 - .060 -	138784 - .000 -	142864 - .045 -	142864 - .045 -	142864 - .045 -	40
42 VS Gov. Max. Spring - Ref. Shims		70821 - .000					41
43 VS Gov. Idle Spring		70778					42
44 VS Gov. Weights		163826					43
45 VS Gov. Plunger		AR40230					44
46 VS Gov. Sleeve		212148					45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA19-G1	KTA19-G1	KT 19 G	KTA19-G2	KTA19-G2	KTA19-G2	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) AFC HOUSING WITH AFC PLUG INSTALLED. PRESSURIZED GEAR PUMP WITH 5 DEGREE GOV PLUNGER . APPROX. .110 SHIMS ON GOV.
- (2) BLOCKED AFC. NEW 5 DEGREE GOV. PLUNGER. APPROX..100 SHIMS ON GOV. PACK. USE WITH PRESSURIZED GEAR PUMP.
- (3) AFC HOUSING WITH AFC PLUG INSTALLED. USES PRESSURIZED GEAR PUMP.
- (4) FOR USE WITH PRESSURIZED GEAR PUMP. AFC HOUSING WITH AFC PLUG INSTALLED.
- (5) USE FULE PUMP P.N. 3060193 FOR USE WITH CHECK VALVES
- (6) FOR USE WITH PRESSURIZED GEAR PUMP. AFC HOUSING WITH AFC PLUG INSTALLED.

1 Pump Code	E936-A	E937-A	E939-A	E940-C	E941-C	E942-A	1
2 Date - Control Parts List	JUN92 - 0446	JUL91 - 0520	JUL91 - 0520	SEP88 - 0520	SEP88 - 0292	JUL91 - 0292	2
3 Test HP @ RPM	456 - 474 @ 1800	588 - 612 @ 1800	588 - 612 @ 1800	588 - 612 @ 1800	548 - 571 @ 1800	548 - 571 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	168 - 186	187 - 207	178 - 196	180 - 198	152 - 168	154 - 170	5
6 Fuel Rate Pound Per Hour	158 - 165	200 - 208	203 - 211	203 - 211	189 - 195	191 - 199	6
7 Intake Manifold Press. in./Hg	37 - 45	49 - 57	49 - 57	49 - 57	45 - 53	41 - 49	7
8 Torque Rise % - Curve							8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2005 - 2025	1930 - 1950	1910 - 1925	1910 - 1925	1910 - 1940	1910 - 1940	11
12 VS/Sec. Gov. Setting-RPM	1910 - 1925	1830 - 1850	1830 - 1850				12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI				2185 @ 15	2185 @ 15	2090 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2200 @ 40	2050 @ 40	2070 @ 15				18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2200 @ 40	2050 @ 40	2070 @ 15				19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	15 @ 700	15 @ 700	15 @ 700	15 @ 700	15 @ 700	15 @ 700	22
23 Idle Speed cc @ RPM-Auto.	250 @ 700	250 @ 700	250 @ 700	250 @ 700	250 @ 700	250 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	183 @ 1800	199 @ 1800	187 @ 1800	189 @ 1800	170 @ 1800	160 @ 1800	25
26 Calibration Flow	485	660	660	685	590	620	26
27 Check Point (1) PSI @ RPM	140 - 148 @ 1300	167 - 173 @ 1500	157 - 163 @ 1500	154 - 164 @ 1500	139 - 145 @ 1500	117 - 125 @ 1300	27
28 Check Point (1) Flow	430	605	605	625	535	535	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.860 - 143847	.900 - 143847	.900 - 143847	.900 - 143847	.850 - 143847	.900 - 143847	33
34 Idle Plunger Code - Part No.	10 - 141625	10 - 141625	12 - 141626	10 - 141625	20 - 141629	22 - 141630	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143254 - .000	143253 - .000	143253 - .000	143253 - .000	143253 - .000	143253 - .000	37
38 Gear Pump Size In.	.750	1.000	1.000	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	3002047 - .000	142864 - .045	142864 - .045	142864 - .000	142864 - .045	142864 - .045	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109686 - .000				42
43 VS Gov. Idle Spring	70778	70778	70778				43
44 VS Gov. Weights	163826	163826	163826				44
45 VS Gov. Plunger	AR40230	AR40230	AR40230				45
46 VS Gov. Sleeve	212148	212148	212148				46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT 19 G	KTA19-G2	KTA19-G2	KTA 19 G *	KTA 19 G *	KTA19-G1	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) AFC HOUSING WITH PLUG INSTALLED.
 (2) AFC HOUSING WITH AFC PLUG INSTALLED. USE WITH PRESSURIZED GEAR PUMP.
 (3) AFC HOUSING WITH AFC PLUG INSTALLED.
 (4) AFC HOUSING WITH AFC PLUG INSTALLED. USE WITH ELECTRIC FUEL CONTROL.
 (5) USE WITH ELECTRIC FUEL CONTROL GOV. USE FUEL PUMP P.N. 3032894.
 (6) AFC HOUSING WITH AFC PLUGGED WET EXHAUST ONLY

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E943-A - E948-A

1 Pump Code	E943-A	E944-B	E945-B	E946-B	E947-A	E948-A	
2 Date - Control Parts List	JUL91 - 0292	JUL88 - 0640	SEP88 - 0520	SEP88 - 0292	SEP88 - 0520	DEC88 - 0446	1
3 Test HP @ RPM	549 - 571 @ 1800	309 - 321 @ 1200	588 - 612 @ 1800	548 - 571 @ 1800	588 - 612 @ 1800	420 - 428 @ 1500	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	157 - 173	96 - 106	180 - 198	148 - 162	183 - 203	150 - 166	4
6 Fuel Rate Pound Per Hour	197 - 205	103 - 108	203 - 211	189 - 195	213 - 222	145 - 151	5
7 Intake Manifold Press. In./Hg	37 - 45	30 - 38	49 - 57	45 - 53	41 - 49	29 - 38	6
8 Torque Rise % - Curve			- C-4084	- C-3640-C	- C-4084	- C-3639-C	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1995 - 2015	1380 - 1410	1910 - 1925	1910 - 1940	1910 - 1925	1610 - 1640	10
12 VS/Sec. Gov. Setting-RPM	1910 - 1925						11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		1500 @ 15	2185 @ 15	2185 @ 15	2185 @ 15	1840 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40						17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40						18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	15 @ 700		15 @ 700	15 @ 700	15 @ 700		21
23 Idle Speed cc @ RPM-Auto.	250 @ 700	250 @ 700	250 @ 700	250 @ 700	250 @ 700	250 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	160 @ 1800	101 @ 1200	197 @ 1800	166 @ 1800	194 @ 1800	152 @ 1500	24
26 Calibration Flow	620	380	668	580	690	450	25
27 Check Point (1) PSI @ RPM	124 - 130 @ 1300	84 - 90 @ 1000	159 - 167 @ 1500	135 - 141 @ 1500	160 - 167 @ 1500	103 - 109 @ 1000	26
28 Check Point (1) Flow	546	345	597	520	625	360	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	- 143847	.840 - 143847	.900 - 143847	.850 - 143847	.900 - 143847	.850 - 143847	32
34 Idle Plunger Code - Part No.	15 - 139894	05 - 141623	10 - 141625	17 - 140417	7 - 141624	17 - 140417	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3004756 - .000	143256 - .000	143252 - .000	143253 - .000	143253 - .000	143254 - .000	36
38 Gear Pump Size In.	1.000	.750	1.000	1.000	1.000	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	142867 - .060 -	142700 - .000 -	142864 - .045 -	142864 - .045 -	142864 - .045 -		40
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000						41
43 VS Gov. Idle Spring	70778						42
44 VS Gov. Weights	163826						43
45 VS Gov. Plunger	AR40230						44
46 VS Gov. Sleeve	212148						45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA19-G1	KT 19 G/GS/GC	KTA 19 G *	KTA 19 G	KTA 19 G	KT 19 G	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) BLOCKED A.F.C. USE WITH PRESSURIZED GEAR PUMP USE WITH WET EXHAUST ONLY
- (2) AFC HOUSING WITH AFC PLUG INSTALLED PRESSURIZED GEAR PUMP ONLY USE 2 IDLE SPRING SHIMS/WASHERS
- (3) USE WITH ELECTRIC FUEL CONTROL. USE WITH CHECK VALVES ONLY.
- (4) USE WITH ELECTRIC FUEL CONTROL GOV.
- (5) USE WITH ELECTRIC FUEL CONTROL.
- (6) AFC HOUSING WITH AFC PLUG INSTALLED FOR USE WITH BC OR WOODWARD GOV. FUEL PUMP P.N. 3025658

1 Pump Code	E949-A	E950-A	E951-A	E952-A	E953-A	E955-B	1
2 Date - Control Parts List	NOV91 - 0520	NOV91 - 0520	SEP90 - 0292	SEP88 - 0292	JUL85 - 0446	JUN92 - 0446	2
3 Test HP @ RPM	588 - 612 @ 1800	588 - 612 @ 1800	548 - 571 @ 1800	548 - 571 @ 1800	412 - 428 @ 1800	456 - 474 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	175 - 193	175 - 193	155 - 172	154 - 170		172 - 190	5
6 Fuel Rate Pound Per Hour	213 - 222	213 - 222	192 - 200	191 - 199		158 - 165	6
7 Intake Manifold Press. in./Hg	41 - 49	41 - 49	41 - 49	41 - 49		35 - 43	7
8 Torque Rise % - Curve	3 - C-4084	3 -	3 - C-3640-C	3 - C-3640-C		6 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1925	1995 - 2015	1910 - 1925	1910 - 1940		1910 - 1940	11
12 VS/Sec. Gov. Setting-RPM		1910 - 1925					12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2185 @ 15		2185 @ 15	2070 @ 15		2185 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2185 @ 15					18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2185 @ 15					19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -		110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -		28, -	21
22 Idle Speed PSI @ RPM-Auto.	15 @ 700		15 @ 700	15 @ 700		15 @ 700	22
23 Idle Speed cc @ RPM-Auto.	250 @ 700	250 @ 700	250 @ 700	250 @ 700		250 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	200 @ 1800	200 @ 1800	165 @ 1800	162 @ 1800		193 @ 1800	25
26 Calibration Flow	755	765	630	620		540	26
27 Check Point (1) PSI @ RPM	163 - 169 @ 1500	165 - 171 @ 1500	137 - 143 @ 1500	132 - 139 @ 1500		154 - 160 @ 1500	27
28 Check Point (1) Flow	680	695	575	560		475	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.900 - 143847	.900 - 143847	.850 - 143847	.850 - 143847		.840 - 143847	33
34 Idle Plunger Code - Part No.	12 - 141626	7 - 141624	22 - 141630	20 - 141629	32 - 141634	20 - 141629	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	143253 - .000	143253 - .000	143253 - .000	143253 - .000	143252 - .000	37
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	142864 - .045 -	142864 - .045 -	142864 - .000 -	142864 - .045 -	138999 - .000 -	138999 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims		109686 - .000					42
43 VS Gov. Idle Spring		70778					43
44 VS Gov. Weights		163826					44
45 VS Gov. Plunger		AR40230					45
46 VS Gov. Sleeve		212148					46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with S7589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA19-G2	KTA19-G2	KTA19-G1	KTA 19 G	KT 19 G	KT 19 G	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)		SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

(1) USE WITH FUEL PUMP P.N. 3060193

(2) FOR USE WITH B.C. OR WOODWARD GOV.

(4) USE WITH ELECTRIC FUEL CONTROL. USE WITH WET EXHAUST MANIFOLD. P.N. 3032894.

(5) FOR USE WITH WET EXHAUST ONLY FOR USE WITH E.F.C. GOV. ONLY FOR USE WITH CHECK VALVES ONLY AUTO THROTTLE TO BE LOCKED OPEN AFTER TEST

(6) USE WITH E.F.C. GOV. USE WITH CHECK VALVES. AUTO THROTTLE TO BE LOCKED OPEN AFTER TEST. USE FUEL PUMP P.N.3032893.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E956-A - E962-A

1 Pump Code	E956-A	E957-A	E958-A	E959-B	E960-A	E962-A	1
2 Date - Control Parts List	SEP91 - 0888	JUN92 - 0446	JUN92 - 0446	NOV91 - 0520	NOV91 - 0520	JUN92 - 0446	2
3 Test HP @ RPM	402 - 418 @ 1200	456 - 474 @ 1800	456 - 474 @ 1800	588 - 612 @ 1800	588 - 612 @ 1800	456 - 474 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	104 - 114	172 - 190	158 - 176	176 - 194	176 - 194	170 - 188	5
6 Fuel Rate Pound Per Hour	134 - 139	158 - 165	160 - 167	202 - 211	202 - 211	162 - 169	6
7 Intake Manifold Press. In./Hg	48 - 56	35 - 43	33 - 41	50 - 58	50 - 58	35 - 43	7
8 Torque Rise % - Curve		6 -	8 -	3 - C-4084	3 -	8 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1310 - 1340	1920 - 1940	1910 - 1930	1910 - 1930	1910 - 1930	2020 - 2040	11
12 VS/Sec. Gov. Setting-RPM						1920 - 1940	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	1495 @ 15	2185 @ 15	2185 @ 15	2200 @ 15	2200 @ 15		14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI						2200 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI						2200 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	15 @ 700	15 @ 700	15 @ 700	15 @ 700	15 @ 700	15 @ 700	22
23 Idle Speed cc @ RPM-Auto.	250 @ 675	250 @ 700	250 @ 700	250 @ 700	250 @ 700	250 @ 675	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	110 @ 1200	177 @ 1800	175 @ 1800	195 @ 1800	188 @ 1800	178 @ 1800	25
26 Calibration Flow	444	540	500	735	665	550	26
27 Check Point (1) PSI @ RPM	89 - 99 @ 1000	142 - 148 @ 1500	143 - 149 @ 1500	154 - 160 @ 1500	147 - 153 @ 1500	147 - 153 @ 1500	27
28 Check Point (1) Flow	405	482	475	638	585	496	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Spring - Spring	.800 - 143855	.812 - 143847	.860 - 143847	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	5 - 141623	22 - 141630	17 - 140417	17 - 140417	20 - 141629	20 - 141629	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143256 - .000	153237 - .000	3001147 - .000	153236 - .000	153236 - .000	143252 - .000	37
38 Gear Pump Size In.	1.000	.750	.750	1.000	1.000	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3040750	3040750	3010810	40
41 Torque Spring - Shims - Gage Height	142700 - .000 -	142699 - .030 -	138780 - .000 -			138780 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims						109686 - .000	42
43 VS Gov. Idle Spring						70778	43
44 VS Gov. Weights						163826	44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve						AR40230	46
47 AFC Barrel & Plunger Assembly						212148	47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA19-G2	KT 19 G	KT-19-G	KTA19-G2	KTA19-G2	KT-19-G	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) A.F.C. HOUSING WITH A.F.C. PLUG INSTALLED FUEL PUMP P.N. 3201202
- (2) USE WITH ELECTRIC FUEL CONTROL GOV. USE FUEL PUMP P.N. 3032893. USE WITH WET OR DRY EXHAUST. CONTACT PRODUCT ENGINEERING WHEN USING THIS CODE.
- (3) FOR USE WITH B/C GOV. OR WOODWARD GOV. FOR USE WITH WET EXHAUST ONLY FUEL PUMP P.N.3025658
- (4) USE ELECTRIC FUEL CONTROL. USE WITH CHECK VALVES. USE FUEL PUMP P.N. 3201925.
- (5) USE WITH ELECTRIC FUEL CONTROL. USE FUEL PUMP HOUSING P.N.3040749. USE FUEL PUMP P.N. 3201925.
- (6) FOR USE WITH WET EXHAUST FOR USE WITHOUT CHECK VALVES FUEL PUMP P.N. 3021996

1 Pump Code	E963-A	E964-A	E965-A	E966-A	E967-A	E968-A	1
2 Date - Control Parts List	NOV91 - 0292	NOV91 - 0292	NOV91 - 0520	NOV91 - 0292	NOV91 - 0292	SEP90 - 0888	2
3 Test HP @ RPM	549 - 571 @ 1800	548 - 571 @ 1800	588 - 612 @ 1800	548 - 571 @ 1800	548 - 571 @ 1800	402 - 418 @ 1200	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	150 - 166	154 - 170	175 - 193	149 - 165	152 - 168	104 - 114	5
6 Fuel Rate Pound Per Hour	191 - 199	191 - 199	205 - 213	183 - 193	186 - 194	134 - 139	6
7 Intake Manifold Press. In./Hg	41 - 49	41 - 49	44 - 52	41 - 49	44 - 52	48 - 56	7
8 Torque Rise % - Curve	8 -	3 -		3 -	3 -		8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1930	1920 - 1940	1910 - 1940	1910 - 1940	1910 - 1940	1310 - 1340	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 15	2200 @ 15	2200 @ 15	2200 @ 15	2200 @ 15	1521 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto. - VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.				15 @ 650	15 @ 650		22
23 Idle Speed cc @ RPM-Auto.	250 @ 675	250 @ 675	250 @ 675	250 @ 650	250 @ 650	250 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	176 @ 1800	162 @ 1800	194 @ 1800	166 @ 1800	155 @ 1800	126 @ 1200	25
26 Calibration Flow	630	620	690	580	548	500	26
27 Check Point (1) PSI @ RPM	148 - 154 @ 1500	130 - 136 @ 1500	161 - 167 @ 1500	135 - 141 @ 1500	127 - 133 @ 1500	105 - 115 @ 1000	27
28 Check Point (1) Flow	580	560	625	520	490	450	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143855	33
34 Idle Plunger Code - Part No.	15 - 139894	27 - 141632	15 - 139894	25 - 141631	27 - 141632	5 - 141623	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	153237 - .000	153238 - .000	153237 - .000	153237 - .000	143256 - .000	37
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040750	3040750	3040750	3040750	3010810	40
41 Torque Spring - Shims - Gage Height	138788 - .020 -	138786 - .000 -	138786 - .000 -	138786 - .020 -	138786 - .020 -	142700 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA19-G1	KTA19-G1	KTA19-G2	KTA19-G1	KTA19-G1	KTA19-G2	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) FOR USE WITH WET EXHAUST FUEL PUMP P.N. 3201925 USE WITH E.F.C. GOV.
- (2) USE WITH WET EXHAUST USE WITH E.F.C. GOV. FUEL PUMP P.N. 3201925
- (3) USE WITH E.F.C. GOV. USE WITH WET EXHAUST FUEL PUMP P.N. 3201925
- (4) USE WITH ELECTRIC FUEL CONTROL. USE FUEL PUMP P.N. 3201925. USE WITH CHECK VALVES.
- (5) USE WITH ELECTRIC FUEL CONTROL. USE FUEL PUMP P.N. 3201925.
- (6) AFC HOUSING WITH AFC PLUG INSTALLED. USE FUEL PUMP P.N. 3043352.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E969-E - E974-A

1 Pump Code	E969-E	E970-B	E971-G	E972-B	E973-A	E974-A	1
2 Date - Control Parts List	JUN92 - 0739	APR91 - 0739	JUN92 - 0739	JUN92 - 0739	APR91 - 0739	JUN92 - 0446	2
3 Test HP @ RPM	671 - 699 @ 1800	671 - 699 @ 1800	671 - 699 @ 1800	671 - 699 @ 1800	671 - 699 @ 1800	456 - 474 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	184 - 203	184 - 203	184 - 203	184 - 203	185 - 206	185 - 183	5
6 Fuel Rate Pound Per Hour	233 - 243	233 - 243	233 - 243	233 - 243	235 - 245	159 - 165	6
7 Intake Manifold Press. In./Hg	65 - 73	65 - 73	65 - 73	65 - 73	65 - 73	31 - 41	7
8 Torque Rise % - Curve	6 -	6 -	6 -	6 -	6 -	3 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	1920 - 1940	1920 - 1950	2030 - 2050	1920 - 1940	1910 - 1930	11
12 VS/Sec. Gov. Setting-RPM				1930 - 1950			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2223 @ 15	2200 @ 15		2223 @ 15	2223 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 AS Gov. Setting-PSI @ RPM							16
17 Low AS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2223 @ 15			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2223 @ 15			19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	210 @ 650	250 @ 700	210 @ 650	250 @ 650	250 @ 700	250 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	201 @ 1800	215 @ 1800	201 @ 1800	201 @ 1800	226 @ 1800	187 @ 1800	25
26 Calibration Flow	860	860	850	860	860	510	26
27 Check Point (1) PSI @ RPM	160 - 166 @ 1500	171 - 177 @ 1500	160 - 167 @ 1500	160 - 166 @ 1500	181 - 187 @ 1500	145 - 151 @ 1500	27
28 Check Point (1) Flow	757	757	758	757	757	444	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Spring - Spring	.750 - 143854	.750 - 143854	.800 - 143854	.750 - 143854	.750 - 143854	.750 - 143854	33
34 Idle Plunger Code - Part No.	12 - 141626	10 - 141625	15 - 139894	7 - 141624	7 - 141624	22 - 141630	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153236 - .000	153237 - .000	153238 - .000	3001155 - .000	153237 - .000	153237 - .000	37
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040760	3040760	3010810	3040760	3010810	40
41 Torque Spring - Shims - Gage Height	142700 - .030 -	142700 - .040 -	142700 - .010 -	142697 - .000 -	142700 - .040 -		41
42 VS Gov. Max. Spring - Ref. Shims				107787 - .000			42
43 VS Gov. Idle Spring				70778			43
44 VS Gov. Weights				107261			44
45 VS Gov. Plunger				AR40230			45
46 VS Gov. Sleeve				212148			46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly	3063505						59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KT1A19-G1	KT1A19-G1	KT1A19-G1	KT1A19-G1	KT1A19-G1	KT 19 G	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE LARGE HOLE THROTTLE SHAFT P.N. 3006360 FUEL PUMP P.N. 3065829
- (2) AFC HOUSING WITH AFC PLUG INSTALLED. FUEL PUMP P.N. 3045246 USE LARGE HOLE THROTTLE SHAFT.
- (3) FOR USE WITH CHECK VALVES ONLY USE LARGE HOLE THROTTLE SHAFT P.N. 3006360 FUEL PUMP P.N. 3065829
- (4) USE LARGE HOLE THROTTLE SHAFT P.N.3006360 FUEL PUMP P.N. 3047022
- (5) AFC HOUSING WITH AFC PLUG INSTALLED FUEL PUMP P.N. 3045246 USE LARGE HOLE THROTTLE SHAFT FOR USE WITH CHECK VALVES
- (6) USE WITH E.F.C. GOV. USE WITH CHECK VALVES. USE FUEL PUMP P.N.3043313.

1 Pump Code	E975-A	E976-A	E977-C	E978-C	E979-A	E980-A	1
2 Date - Control Parts List	NOV91 - 0520	JUN92 - 0739	NOV91 - 0520	JUN92 - 0739	SEP91 - 0888	JUN92 - 0739	2
3 Test HP @ RPM	588 - 612 @ 1800	671 - 699 @ 1800	485 - 505 @ 1500	588 - 612 @ 1500	402 - 418 @ 1200	671 - 699 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	175 - 193	185 - 206	131 - 145	146 - 162	104 - 114	183 - 203	5
6 Fuel Rate Pound Per Hour	205 - 213	235 - 245	164 - 170	203 - 211	134 - 139	235 - 245	6
7 Intake Manifold Press. In./Hg	44 - 52	64 - 72	37 - 45	54 - 62	48 - 56	63 - 71	7
8 Torque Rise % - Curve	5 -	6 -	5 -	5 -		6 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1930	1920 - 1940	1520 - 1540	1520 - 1540	1310 - 1340	1920 - 1940	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2223 @ 15	1760 @ 15	1760 @ 15	1521 @ 15	2079 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	250 @ 700	250 @ 700	100 @ 700	100 @ 700	250 @ 675	250 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	200 @ 1800	196 @ 1800	146 @ 1500	164 @ 1500	110 @ 1200	204 @ 1800	25
26 Calibration Flow	765	849	570	746	444	850	26
27 Check Point (1) PSI @ RPM	165 - 171 @ 1500	155 - 161 @ 1500			88 - 99 @ 1000	163 - 169 @ 1500	27
28 Check Point (1) Flow	695	748			400	752	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.750 - 143854	.750 - 143854	.750 - 143854	.750 - 143854	.750 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	12 - 141626	20 - 141629	5 - 141623	5 - 141623	5 - 141623	15 - 139894	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	3000940 - .000	3036895 - .000	3000941 - .000	143256 - .000	153237 - .000	37
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040760	3040760	3040760	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138786 - .020 -	142699 - .030 -	142698 - .050 -	142698 - .000 -		142701 - .040 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA19-G2	KTA19-G1	KTA19-G2	KTA19-G1	KTA19-G2	KTA19-G1	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH E.F.C. GOV. ONLY. USE FUEL PUMP P.N. 3201925. USE WITH WET EXHAUST MANIFOLD.
- (2) AFC HOUSING WITH AFC PLUG INSTALLED. USE LARGE HOLE THROTTLE SHAFT 3006360. USE FUEL PUMP P.N.3045246.
- (3) USE WITH CHECK VALVES. FOR CHINA CODE ONLY. USE WITH FUEL PUMP P.N. 3048255. USE WITH EFC GOV.
- (4) USE WITH CHECK VALVES. USE FUEL PUMP P.N.#3048256. USE LARGE HOLE THROTTLE SHAFT P.N.#3006360. FOR CHINA CODE ONLY. USE WITH EFC GOV.
- (5) USE WITH ELECTRIC FUEL CONTROL
- (6) USE FUEL PUMP P.N. 3045246

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E981-A - E986-B

1 Pump Code	E981-A	E982-A	E983-B	E984-B	E985-C	E986-B	
2 Date - Control Parts List	NOV91 - 0886	NOV91 - 0885	NOV91 - 0885	DEC91 - 0886	NOV91 - 0885	FE892 - 0885	2
3 Test HP @ RPM	588 - 612 @ 1800	548 - 572 @ 1800	548 - 572 @ 1800	485 - 505 @ 1500	549 - 571 @ 1800	548 - 572 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	175 - 193	150 - 166	149 - 165	131 - 145	149 - 165	150 - 166	5
6 Fuel Rate Pound Per Hour	200 - 208	185 - 192	191 - 199	165 - 172	190 - 198	184 - 193	6
7 Intake Manifold Press. In./Hg	50 - 58	44 - 52	39 - 47	37 - 45	39 - 47	44 - 52	7
8 Torque Rise % - Curve	3 -				1 -	1 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1910 - 1930	1920 - 1940	1910 - 1930	1600 - 1610	1890 - 1910	1920 - 1940	11
12 VS/Sec. Gov. Setting-RPM					1820 - 1840		12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 15	2047 @ 15	2033 @ 15	1714 @ 15		2047 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI					2106 @ 15		18
19 Min. VS/Sec. Gov. Check-RPM @ PSI					2106 @ 15		19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	15 @ 700						22
23 Idle Speed cc @ RPM-Auto.	250 @ 700	250 @ 700	250 @ 700	250 @ 700	240 @ 700	240 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	195 @ 1800	158 @ 1800	166 @ 1800	146 @ 1500	166 @ 1800	158 @ 1800	25
26 Calibration Flow	735	636	619	572	619	636	26
27 Check Point (1) PSI @ RPM	154 - 160 @ 1500	115 - 121 @ 1500	125 - 131 @ 1500		129 - 137 @ 1500	115 - 121 @ 1500	27
28 Check Point (1) Flow	638	546	539		545	546	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	17 - 140417	12 - 141626	12 - 141626	12 - 141626	17 - 140417	12 - 141626	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153236 - .000	153237 - .000	153238 - .000	143254 - .075	3000937 - .000	153237 - .000	37
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	3002044	3002044	146437	146437	3002044	39
40 Auto. Gov. Plunger	3040750	3010810	3040760	3040760	3010810	3040760	40
41 Torque Spring - Shims - Gage Height		142697 - .010 -	142696 - .000 -	X - .000 -		142697 - .010 -	41
42 VS Gov. Max. Spring - Ref. Shims					70822 - .000		42
43 VS Gov. Idle Spring					70778		43
44 VS Gov. Weights					163826		44
45 VS Gov. Plunger					212350		45
46 VS Gov. Sleeve					212148		46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly				3063504			59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA19-G2	KTA19-G1	KTA19-G1	KTA19-G2	KTA19-G1	KTA19-G1	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH FUEL PUMP BODY 3048248 USE WITH LOW FLOW E.F.C. USE WITH CHECK VALVES
 (2) USE FUEL PUMP # 3060193
 (3) USE WITH FUEL PUMP P.N.3059651 USE WITH LOW FLOW EFC 3044189
 (4) USE WITH CHECK VALVES. FOR CHINA CODE ONLY. USE WITH FUEL PUMP P.N. 3059651 USE WITH EFC GOV. USE .075 GOV. SHIMS
 (5) USE FUEL PUMP PN 3201233
 (6) USE WITH FUEL PUMP P.N. 3059651 USE WITH LOW FLOW EFC 3044189

1 Pump Code	E987-C	E988-A	E989-B	E990-A	E991-C	E992-A	
2 Date - Control Parts List	JUL89 - 1170	JUL89 - 1170	NOV91 - 0886	JUN92 - 0739	MAY91 - 1170	JUL89 - 1170	1
3 Test HP @ RPM	735 - 765 @ 1800	735 - 765 @ 1800	588 - 612 @ 1800	671 - 699 @ 1800	735 - 765 @ 1800	735 - 765 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI			173 - 191	184 - 203			4
6 Fuel Rate Pound Per Hour			206 - 214	233 - 243			5
7 Intake Manifold Press. In./Hg			46 - 55	65 - 73			6
8 Torque Rise % - Curve				6 -			7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM			1890 - 1910	2030 - 2050			10
12 VS/Sec. Gov. Setting-RPM				1930 - 1950			11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI			2200 @ 15				13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2223 @ 15			17
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2223 @ 15			18
20 Throttle Leakage-cc - pph			110 -	110 -			19
21 Throttle Travel-Auto., VS, Lev			28 -	28 -			20
22 Idle Speed PSI @ RPM-Auto.			15 @ 700				21
23 Idle Speed cc @ RPM-Auto.			240 @ 700	250 @ 650			22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM			188 @ 1800	212 @ 1800			24
26 Calibration Flow			673	860			25
27 Check Point (1) PSI @ RPM			138 - 145 @ 1500	168 - 176 @ 1500			26
28 Check Point (1) Flow			577	757			27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring			800 - 143854	750 - 143854			32
34 Idle Plunger Code - Part No.	22 - 141630	22 - 141630	5 - 141623	7 - 141624	20 - 141629	22 - 141630	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153235 - .000	153238 - .000	153232 - .000	3001155 - .000	153235 - .000	153235 - .000	36
38 Gear Pump Size In.	.750	.750	1.000	1.000	.750	.750	37
39 Auto. Gov. Weights	3002044	3002044	3002044	146437	3002044	3002044	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3010810	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	138780 - .000 -	138787 - .040 -	142701 - .010 -	142697 - .000 -	138780 - .030 -	138780 - .000 -	40
42 VS Gov. Max. Spring - Ref. Shims				107787 - .000	109688 - .000		41
43 VS Gov. Idle Spring				70778	70778		42
44 VS Gov. Weights				107261	163826		43
45 VS Gov. Plunger				AR40230	212350		44
46 VS Gov. Sleeve				212148	212148		45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTTA19-G	KTTA19-G	KTA19-G2	KTTA19-G1	KTTA19-G2	KTTA19-G	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) FOR USE WITH K FAMILY INJECTORS USE WITH N.C. EFC USE FUEL PUMP P.N. 3059658
- (2) FOR USE WITH K FAMILY INJECTORS USE WITH N.C. EFC USE FUEL PUMP P.N. 3059658
- (3) USE WITH FUEL PUMP P.N. 3059651 USE WITH LOW FLOW E.F.C.
- (4) USE LARGE HOLE THROTTLE SHAFT P.N.3006360 FUEL PUMP P.N. 3047022
- (5) FOR USE WITH K FAMILY INJECTORS USE WITH FUEL PUMP P.N. 3045279
- (6) FOR USE WITH K FAMILY INJECTORS USE FUEL PUMP P.N. 3060728

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES E993-A - E998-B

1 Pump Code	E993-A	E994-E	E995-E	E996-C	E997-C	E998-B	
2 Date - Control Parts List	NOV91 - 0886	JUL92 - 1170	MAY92 - 1170	DEC91 - 1170	JAN93 - 1170	DEC91 - 0886	1
3 Test HP @ RPM	588 - 612 @ 1800	735 - 765 @ 1800	735 - 765 @ 1800	735 - 765 @ 1800	735 - 765 @ 1800	588 - 612 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	174 - 192	118 - 132	118 - 132	118 - 132	118 - 132	179 - 199	4
6 Fuel Rate Pound Per Hour	200 - 208	240 - 250	240 - 250	240 - 250	240 - 250	202 - 211	5
7 Intake Manifold Press. In./Hg	50 - 58	63 - 71	63 - 71	63 - 71	63 - 71	46 - 55	6
8 Torque Rise % - Curve		8 -	8 -	8 -	8 -		7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1920 - 1940	1890 - 1910	1890 - 1910	1980 - 2000	1890 - 1910	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM				1870 - 1890			11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 15	2106 @ 15	2150 @ 15		2106 @ 15	2200 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI		2000 @ 15	2000 @ 15		2000 @ 15		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2300 @ 15			17
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2300 @ 15			18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	15 @ 700					15 @ 700	21
23 Idle Speed cc @ RPM-Auto.	230 @ 700	160 @ 700	160 @ 700	160 @ 700	160 @ 700	230 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc				@ 700 - 160			23
25 Calibration PSI @ RPM	190 @ 1800	133 @ 1800	140 @ 1800	133 @ 1800	133 @ 1800	196 @ 1800	24
26 Calibration Flow	683	421	421	421	421	673	25
27 Check Point (1) PSI @ RPM	141 - 149 @ 1500	110 - 117 @ 1350	113 - 120 @ 1350	108 - 115 @ 1350	110 - 117 @ 1350	139 - 149 @ 1500	26
28 Check Point (1) Flow	580	388	379	379	388	566	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	7 - 141624	25 - 141631	20 - 141629	22 - 141630	25 - 141631	5 - 141623	33
35 Fuel Pump Housing		3059658	3059658				34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	3004752 - .160	3004750 - .150	143254 - .140	3004752 - .160	153232 - .000	36
38 Gear Pump Size In.	1.000	.750	.750	.750	.750	1.000	37
39 Auto. Gov. Weights	3002044	146437	146437	146437	146437	3002044	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	142697 - .035 -	138998 - .135 - .635	138791 - .050 - .650	138784 - .020 -	138998 - .135 - .635	142701 - .040 -	40
42 VS Gov. Max. Spring - Ref. Shims				109686 - .000			41
43 VS Gov. Idle Spring				70778			42
44 VS Gov. Weights				163826			43
45 VS Gov. Plunger				212350			44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly		3063504	3063504				58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA19-G2	KTTA19-G2	KTTA19-G2	KTTA19-G2	KTTA19-G2	KTA19-G2	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE FUEL PUMP P.N. 3059651 USE WITH LOW FLOW E.F.C.
- (2) USE WITH N.CN EFC USE WITH FP P.N. 3059658
- (3) USE WITH N.C. EFC USE FUEL PUMP P.N. 3059658 USE .150 GOV SHIMS
- (4) USE WITH CHECK VALVES USE WITH FUEL PUMP P.N. 3045279 USE WITH .140 GOV SHIMS
- (5) USE WITH X-FAMILY INJECTORS USE WITH FUEL PUMP P.N. 3060728 USE .015 GOV SHIMS
- (6) USE WITH FUEL PUMP P.N. 3059651 USE WITH LOW FLOW E.F.C.

1 Pump Code	E999-A	EG01-A	EG02-A	EG03-A	EG04-A	EG05-A	
2 Date - Control Parts List	NOV91 - 0292	NOV91 - 0885	NOV91 - 0888	NOV91 - 0886	NOV91 - 0520	NOV91 - 0886	2
3 Test HP @ RPM	549 - 571 @ 1800	548 - 571 @ 1800	402 - 418 @ 1200	588 - 612 @ 1800	588 - 612 @ 1800	588 - 612 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	149 - 165	149 - 165	104 - 114	180 - 198	180 - 198	180 - 198	5
6 Fuel Rate Pound Per Hour	191 - 200	190 - 198	134 - 139	204 - 212	204 - 212	204 - 212	6
7 Intake Manifold Press. In./Hg	39 - 47	39 - 47	48 - 56	43 - 51	43 - 51	43 - 51	7
8 Torque Rise % - Curve	1 -	1 -		3 -	3 -	3 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1950 - 1970	1920 - 1940	1290 - 1310	1990 - 2010	1990 - 2010	1900 - 1910	11
12 VS/Sec. Gov. Setting-RPM	1880 - 1900			1890 - 1910	1850 - 1870		12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2150 @ 15	1495 @ 15	2360 @ 15		2100 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI				2060 @ 15			15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2120 @ 15			2175 @ 15	2150 @ 15		18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2120 @ 15			1960 @ 15	2150 @ 15		19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	230 @ 700	230 @ 700	240 @ 700	230 @ 700	230 @ 700	220 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc				@ 700 - 230			24
25 Calibration PSI @ RPM	166 @ 1800	157 @ 1800	110 @ 1200	199 @ 1800	189 @ 1800	189 @ 1800	25
26 Calibration Flow	619	619	444	691	691	691	26
27 Check Point (1) PSI @ RPM	130 - 140 @ 1500	119 - 126 @ 1500	89 - 99 @ 1000	157 - 165 @ 1500	154 - 161 @ 1500	148 - 155 @ 1500	27
28 Check Point (1) Flow	540	539	405	616	625	612	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	7 - 141624	12 - 141626	5 - 141623	10 - 141625	10 - 141625	15 - 139894	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	153238 - .000	143256 - .000	153236 - .000	143251 - .000	153237 - .000	37
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	1.000	38
39 Auto. Gov. Weights	3002044	3002044	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3009380	3009380	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138768 - .020 -	138768 - .000 -	142700 - .000 -				41
42 VS Gov. Max. Spring - Ref. Shims	109689 - .000			109689 - .000	109689 - .000		42
43 VS Gov. Idle Spring	70778			70778	70778		43
44 VS Gov. Weights	163826			163826	163826		44
45 VS Gov. Plunger	212350			212350	212350		45
46 VS Gov. Sleeve	212148			212148	212148		46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA19-G1	KTA19-G1	KTA19-G2	KTA19-G2	KTA19-G2	KTA19-G2	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE FUEL PUMP P.N. 3201233
- (2) USE WITH FUEL PUMP P.N.3060193
- (3) USE FUELPUMP P.N. 3060193 FOR USE WITH W/W GOV.
- (4) USE WITH CHECK VALVES USE WITH WET EXHAUST USE F.P. NUMBER 3201233
- (5) USE WITH W/W GOV. USE WITH WET EXHAUST USE F.P. NUMBER 3201233
- (6) USE WITH WET EXHAUST USE WITH W/W GOV USE FP NUMBER3060193

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES EG06-A - EG11-A

1 Pump Code	EG06-A	EG07-D	EG08-B	EG09-A	EG10-A	EG11-A	1
2 Date - Control Parts List	MAY93 - 0886	OCT92 - 1170	NOV91 - 0886	NOV91 - 0888	NOV91 - 0885	NOV91 - 0885	2
3 Test HP @ RPM	588 - 612 @ 1800	735 - 765 @ 1800	588 - 612 @ 1800	492 - 418 @ 1200	549 - 571 @ 1800	548 - 572 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	175 - 193	118 - 132	176 - 194	104 - 114	149 - 165	149 - 165	5
6 Fuel Rate Pound Per Hour	200 - 208	240 - 250	200 - 208	134 - 139	190 - 200	191 - 199	6
7 Intake Manifold Press. In./Hg	48 - 57	63 - 71	49 - 57	48 - 56	39 - 47	39 - 47	7
8 Torque Rise % - Curve	3 -	8 -			1 -		8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1890 - 1910	1920 - 1940	1900 - 1920	1310 - 1340	1970 - 1990	1910 - 1930	11
12 VS/Sec. Gov. Setting-RPM					1840 - 1860		12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 15	2269 @ 15	2100 @ 15	1521 @ 15		2100 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI		2109 @ 15					15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI					2100 @ 18		18
19 Min. VS/Sec. Gov. Check-RPM @ PSI					2100 @ 18		19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto. - VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	220 @ 700	160 @ 700	220 @ 700	240 @ 675	240 @ 675	250 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	189 @ 1800	130 @ 1800	194 @ 1800	110 @ 1200	157 @ 1800	162 @ 1800	25
26 Calibration Flow	687	421	687	444	619	619	26
27 Check Point (1) PSI @ RPM	148 - 156 @ 1500	108 - 114 @ 1350	150 - 157 @ 1500	88 - 99 @ 1000	125 - 132 @ 1500	120 - 127 @ 1500	27
28 Check Point (1) Flow	607	375	600	400	554	539	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.750 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	15 - 139894	30 - 141633	5 - 141623	5 - 141623	7 - 141624	12 - 141626	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	3004750 - .140	3000941 - .000	143256 - .000	153238 - .000	153238 - .000	37
38 Gear Pump Size In.	1.000	.750	1.000	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	3002044	146437	3002044	3002044	39
40 Auto. Gov. Plunger	3010810	3040750	3040750	3040750	3010810	3040760	40
41 Torque Spring - Shims - Gage Height		3053169 - .065 - .560	138785 - .030 -		142696 - .040 -	142696 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims					109689 - .000		42
43 VS Gov. Idle Spring					70778		43
44 VS Gov. Weights					163826		44
45 VS Gov. Plunger					212350		45
46 VS Gov. Sleeve					212148		46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST509 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA19-G2	KTTA19-G2	KTA19G2	KTA19-G2	KTA19-G1	KTA19-G1	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH DRY EXHAUST USE WITH W/W GOV USE FP NUMBER 3060193
- (2) FOR USE WITH W/W GOV. USE FUEL PUMP P.N. 3060728 FOR USE WITH CHECK VALVES
- (3) FOR USE WITH CHECK VALVES USE F.P. NUMBER 3059649
- (4) USE WITH ELECTRIC FUEL CONTROL USE FP NUMBER 3059651
- (5) FOR USE WITH WET EXHAUST USE FP NUMBER 3201233 FOR USE WITH W/W GOV.
- (6) USE WITH FUEL PUMP P.N. 3059651 USE WITH LOW FLOW EFC 3044189 FOR USE WITH WET EXHAUST

1 Pump Code	EG12-A	EG13-A	EG14-A	EG15-A	EG16-A	EG17-A	1
2 Date - Control Parts List	DEC92 - 1455	NOV91 - 1457	NOV91 - 1455	NOV91 - 1455	NOV91 - 1457	NOV91 - 1457	2
3 Test HP @ RPM	671 - 699 @ 1800	671 - 699 @ 1800	671 - 699 @ 1800	671 - 699 @ 1800	671 - 699 @ 1800	671 - 699 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	152 - 168	152 - 168	152 - 168	152 - 168	152 - 168	152 - 168	5
6 Fuel Rate Pound Per Hour	231 - 241	233 - 243	233 - 243	233 - 243	233 - 243	233 - 243	6
7 Intake Manifold Press. In./Hg	56 - 64	57 - 65	56 - 64	56 - 64	56 - 64	57 - 65	7
8 Torque Rise % - Curve	10 -	10 -	10 -	10 -	10 -	10 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1890 - 1910	1890 - 1910	1890 - 1910	1890 - 1910	1890 - 1910	1890 - 1910	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2100 @ 15	2100 @ 15	2100 @ 15	2100 @ 15	2100 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI				2000 @ 15			15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	160 @ 725	160 @ 725	160 @ 725	160 @ 725	160 @ 725	160 @ 775	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	162 @ 1800	169 @ 1800	162 @ 1800	169 @ 1800	162 @ 1800	167 @ 1800	25
26 Calibration Flow	427	427	427	427	427	414	26
27 Check Point (1) PSI @ RPM	115 - 122 @ 1350	120 - 127 @ 1350	115 - 122 @ 1350	120 - 127 @ 1350	115 - 122 @ 1350	124 - 131 @ 1350	27
28 Check Point (1) Flow	361	363	361	363	361	360	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	25 - 141631	22 - 141630	25 - 141631	22 - 141630	25 - 141631	25 - 141631	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	153238 - .000	153238 - .000	153238 - .000	153238 - .000	153238 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	142697 - .030 -	142697 - .030 -	142697 - .030 -	142697 - .030 - .680	142697 - .030 -	138768 - .010 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA19-G3	KTA19-G3	KTA19-G3	KTA19-G3	KTA19-G3	KTA19-G3	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) FOR USE WITH FUEL PUMP P.N. 3059658 USE N.C. EFC GOV.
 (2) FOR USE WITH FUEL PUMP P.N. 3059658 USE N.C. EFC GOV. FOR USE WITH CHECK VALVES
 (3) USE WITH FUEL PUMP P.N. 3060728
 (4) FOR USE WITH FUEL PUMP P.N. 3059658 USE N.C. EFC GOV. FOR USE WITH CHECK VALVES
 (5) FOR USE WITH FUEL PUMP P.N. 3059658 USE N.C. EFC GOV.
 (6) USE FP NUMBER 3060728

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES EG18-A - EG23-A

1 Pump Code	EG18-A	EG19-A	EG20-A	EG21-A	EG22-A	EG23-A	
2 Date - Control Parts List	NOV91 - 1457	NOV91 - 0520	NOV91 - 1457	SEP92 - 1455	OCT92 - 1170	OCT92 - 1170	1
3 Test HP @ RPM	671 - 699 @ 1800	588 - 612 @ 1800	588 - 612 @ 1500	671 - 699 @ 1800	735 - 765 @ 1800	735 - 765 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	152 - 168	175 - 193	123 - 135	152 - 168	118 - 132	118 - 132	4
6 Fuel Rate Pound Per Hour	233 - 243	200 - 208	201 - 209	233 - 243	240 - 250	240 - 250	5
7 Intake Manifold Press. In./Hg	57 - 65	48 - 57	51 - 59	57 - 65	63 - 71	63 - 71	6
8 Torque Rise % - Curve	10 -	3 -	5 -	10 -	8 -	8 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1990 - 2010	1890 - 1910	1590 - 1610	1990 - 2010	1920 - 1940	1890 - 1910	10
12 VS/Sec. Gov. Setting-RPM	1890 - 1910			1890 - 1910			11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2100 @ 15	1760 @ 15	2490 @ 15	2269 @ 15	2144 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI				2330 @ 15	2109 @ 15	1984 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2200 @ 15			2273 @ 15			17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2200 @ 15			2113 @ 15			18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	160 @ 775	220 @ 700	160 @ 700	160 @ 725	160 @ 700	160 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 775 - 160			@ 725 - 160			23
25 Calibration PSI @ RPM	167 @ 1800	189 @ 1800	129 @ 1500	162 @ 1800	130 @ 1800	133 @ 1800	24
26 Calibration Flow	414	687	360	427	421	421	25
27 Check Point (1) PSI @ RPM	122 - 129 @ 1350	148 - 156 @ 1500	95 - 102 @ 1000	134 - 141 @ 1500	108 - 114 @ 1350	110 - 117 @ 1350	26
28 Check Point (1) Flow	355	607	309	390	375	388	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.750 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	15 - 139894	7 - 141624	25 - 141631	30 - 141633	25 - 141631	33
35 Fuel Pump Housing						3059658	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3000940 - .000	153237 - .000	3036898 - .000	153238 - .130	3004750 - .140	3004752 - .160	36
38 Gear Pump Size In.	.750	1.000	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3010810	3040760	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	138781 - .000 -		138780 - .030 -	3053171 - .035 - .535	3053189 - .065 - .560	138998 - .135 - .635	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000			109686 - .000			41
43 VS Gov. Idle Spring	70778			70778			42
44 VS Gov. Weights	163826			163826			43
45 VS Gov. Plunger	212350			212350			44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 IMD Set with ST589 - Shims							55
57 IMD Spring							56
58 IMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	KTA19-G3	KTA19-G2	KTA19-G3	KTA19-G3	KTA19-G2	KTA19-G2	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE FP NUMBER 3045279
- (2) USE WITH DRY EXHAUST USE WITH W/W GOV USE FP NUMBER 3060193
- (3) USE WITH FUEL PUMP P.N. 3059658 FOR CHINA CODE ONLY. USE WITH EFC GOV.
- (4) USE FP NUMBER 3045279
- (5) FOR USE WITH W/W GOV. USE FUEL PUMP P.N. 3060728 FOR USE WITH CHECK VALVES
- (6) USE WITH N.CN EFC USE WITH FP P.N. 3059658

1 Pump Code	EG24-A	EG25-B	EG26-A	P001-A	P002-A	P003-A	1
2 Date - Control Parts List	JAN93 - 0886	FEB93 - 0292	APR93 - 0886	AUG91 - 1382	JUN93 - 1574	FEB93 - 1573	2
3 Test HP @ RPM	588 - 612 @ 1800	549 - 571 @ 1800	588 - 612 @ 1800	368 - 383 @ 1800	301 - 319 @ 1600	359 - 381 @ 1600	3
4 Governed Speed-RPM					1800	2100	4
5 Engine Fuel PSI	169 - 187	149 - 165	166 - 184		147 - 177	147 - 177	5
6 Fuel Rate Pound Per Hour	202 - 210	184 - 192	201 - 209		98 - 105	117 - 125	6
7 Intake Manifold Press. In./Hg	45 - 53	46 - 54	50 - 58		29 - 37	39 - 47	7
8 Torque Rise % - Curve	3 -	1 -					8
9 Torque Peak - PSI @ RPM					140 - 170 @ 1200	140 - 170 @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1890 - 1910	2000 - 2020	1900 - 1920				11
12 VS/Sec. Gov. Setting-RPM		1890 - 1910					12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2306 @ 15	2530 @ 15	2181 @ 15				14
15 Min. Auto. Gov. Check-RPM @ PSI	2148 @ 15	2370 @ 15	2021 @ 15				15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2282 @ 15					18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2122 @ 15					19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -				20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -				21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	220 @ 700	230 @ 775	220 @ 700				23
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 775 - 230	@ 700 - 220				24
25 Calibration PSI @ RPM	187 @ 1800	157 @ 1800	184 @ 1800				25
26 Calibration Flow	670	640	661				26
27 Check Point (1) PSI @ RPM	147 - 154 @ 1500	113 - 120 @ 1500	142 - 149 @ 1500				27
28 Check Point (1) Flow	586	546	582				28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854				33
34 Idle Plunger Code - Part No.	20 - 141629	22 - 141630	22 - 141630	30 - 141633			34
35 Fuel Pump Housing				3060695			35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767			36
37 Auto. Gov. Spring - Ref. Shims	153232 - .095	153238 - .190	3000939 - .120	3000940 - .175			37
38 Gear Pump Size In.	1.000	1.000	1.000	.750	1.250	1.250	38
39 Auto. Gov. Weights	146437	3002044	146437	146437			39
40 Auto. Gov. Plunger	X	3040750	3040760	3040750			40
41 Torque Spring - Shims - Gage Height	3053164 - .025 - .525	3053175 - .030 - .530	136993 - .035 - .535	3053157 - .000 - .500			41
42 VS Gov. Max. Spring - Ref. Shims		109690 - .000					42
43 VS Gov. Idle Spring		70778					43
44 VS Gov. Weights		3002044					44
45 VS Gov. Plunger		212350					45
46 VS Gov. Sleeve		212148					46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency					1993 CARB	1993 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	KTA19-G2	KTA19-G1	KTA19-G2	NT-855-G4	N14-310 ESP	N14-370 ESP	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)			67

NOTES

(1) USE WITH WET EXHAUST USE WITH W/W GOV USE FP P.N. 3060710 USE WITH CHECK VALVES

(2) USE FUEL PUMP P. N. 3043855

(3) USE WITH DRY EXHAUST USE WITH W/W GOV USE WITH FUEL PUMP PN:3060710

(4) PRESSURIZED GEAR PUMP; GEN SET ONLY. FOR USE WITH OR WITHOUT CHECK VALVE. FOR USE WITH NONE, WOODWARD, BOSCH, BARBER COLEMAN, OR EFC GOVERNORS. THIS CODE SUPERSEDED BY FC 9722

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES P004-A - SA05-A

1 Pump Code	P004-A	P005-A	SA01-C	SA02-C	SA03-E	SA05-A	1
2 Date - Control Parts List	MAR93 - 1583	MAY93 - 1574	OCT92 - 0651	APR90 - 0647	APR90 - 0647	APR90 - 0647	2
3 Test HP @ RPM	394 - 422 @ 1600	320 - 340 @ 1600	417 - 430 @ 2100	314 - 326 @ 1800	314 - 326 @ 1900	314 - 326 @ 1800	3
4 Governed Speed-RPM	1700						4
5 Engine Fuel PSI	147 - 182	147 - 182	193 - 205	144 - 156	146 - 158	144 - 156	5
6 Fuel Rate Pound Per Hour	130 - 138	105 - 111	149 - 153	103 - 107	105 - 109	103 - 107	6
7 Intake Manifold Press. in./Hg	42 - 50	32 - 40	41 - 47	35 - 41	33 - 42	35 - 41	7
8 Torque Rise % - Curve			13 -	18 -	24 -	18 -	8
9 Torque Peak - PSI @ RPM	140 - 175 @ 1200						9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM			2230 - 2250	1830 - 1850	1930 - 1950	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM			2130 - 2150			1830 - 1850	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI				2010 @ 40	2090 @ 40		14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2290 @ 40			2010 @ 40	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2290 @ 40			2010 @ 40	19
20 Throttle Leakage-cc - pph			110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev			28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.			280 @ 600	155 @ 600	200 @ 620	155 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM			200 @ 2100	151 @ 1800	152 @ 1900	154 @ 1800	25
26 Calibration Flow			557	380	386	385	26
27 Check Point (1) PSI @ RPM			163 - 169 @ 1700	128 - 134 @ 1500	126 - 132 @ 1500	132 - 138 @ 1500	27
28 Check Point (1) Flow			504	350	350	357	28
29 Check Point (2) PSI @ RPM			131 - 137 @ 1400	108 - 114 @ 1200	107 - 113 @ 1200	112 - 118 @ 1200	29
30 Check Point (2) Flow			444	318	317	324	30
31 Check Point (3) PSI @ RPM			84 - 90 @ 1000	83 - 89 @ 1000	85 - 91 @ 1000	85 - 91 @ 1000	31
32 Check Point (3) Flow			345	273	276	276	32
33 Weight Assist Setting - Spring			970 - 650662	905 - 143855	870 - 143854	830 - 143855	33
34 Idle Plunger Code - Part No.			27 - 141632	27 - 141632	27 - 141632	15 - 139894	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring			3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	1.250		3001156 - .000	3001146 - .000	3004755 - .000	3004753 - .000	37
38 Gear Pump Size In.			1.000	1.000	1.000	1.000	38
39 Auto. Gov. Weights			146437	146437	146437	146437	39
40 Auto. Gov. Plunger			3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height			3002055 - .000 -	138782 - .010 -	139584 - .000 -	139585 - .005 -	41
42 VS Gov. Max. Spring - Ref. Shims			70821 - .000			70821 - .000	42
43 VS Gov. Idle Spring			70778			70778	43
44 VS Gov. Weights			163826			163826	44
45 VS Gov. Plunger			AR40230			AR40230	45
46 VS Gov. Sleeve			212148			212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI			6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	48
49 AFC RPM - PSI			1600 - 113	1600 - 105	1600 - 105	1600 - 105	49
50 AFC Flow - pph			409	308	308	308	50
51 AFC Spring - Gage Height-In.			179824 -	179818 -	179818 -	179818 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI			800 - 29	800 - 32	800 - 32	800 - 35	53
54 AFC No Air Flow			186	156	156	160	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency			1983 EEC	1983 EEC	1983 EEC	1984 EEC	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	N14-410-ESP	N14-330ESP	NTE-430-20	NTE-320-20	NTE-320-21	NTE-320-20	66
67 Notes			SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

(3) PRESSURISED GEAR PUMP.

(4) PRESSURISED GEAR PUMP. THIS CALIBRATION MUST BE USED WITH FUEL PUMP HOUSING 3037198 & SPRING PACK SLEEVE 3036970

(5) PRESSURISED GEAR PUMP. THIS CALIBRATION MUST BE USED WITH FUEL PUMP HOUSING 3037198 & SPRING PACK SLEEVE 3036970

(6) PRESSURISED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY.

1 Pump Code	SA06-C	SA07-D	SA08-B	SA09-B	SA10-B	SA11-A	1
2 Date - Control Parts List	APR90 - 0647	APR90 - 0647	JUL84 - 0651	JUL84 - 0651	JUN84 - 0651	MAY84 - 0651	2
3 Test HP @ RPM	314 - 326 @ 1900	314 - 326 @ 1900	392 - 408 @ 1900	392 - 408 @ 1900	392 - 408 @ 2100	392 - 408 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	146 - 158	146 - 158	166 - 178	166 - 178	170 - 182	174 - 186	5
6 Fuel Rate Pound Per Hour	105 - 109	105 - 109	136 - 140	136 - 140	139 - 143	139 - 143	6
7 Intake Manifold Press. In./Hg	33 - 42	33 - 42	37 - 43	37 - 43	39 - 45	39 - 45	7
8 Torque Rise % - Curve	24 -	24 -	10 -	10 -	22 -	22 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2030 - 2050	2030 - 2050	2030 - 2050	1930 - 1950	2220 - 2240	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM	1930 - 1950	1930 - 1950	1930 - 1950		2130 - 2150		12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI				2150 @ 40		2350 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2110 @ 40	2110 @ 40	2080 @ 40		2290 @ 40		18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2110 @ 40	1977 @ 40	2080 @ 40		2143 @ 40		19
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	155 @ 600	200 @ 620	170 @ 650	170 @ 650	280 @ 600	170 @ 650	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 620 - 200			@ 600 - 280		24
25 Calibration PSI @ RPM	152 @ 1900	158 @ 1900	172 @ 1900	172 @ 1900	181 @ 2100	181 @ 2100	25
26 Calibration Flow	386	388	492	492	533	515	26
27 Check Point (1) PSI @ RPM	126 - 132 @ 1500	132 - 138 @ 1500	135 - 141 @ 1500	119 - 125 @ 1300	155 - 161 @ 1700	155 - 161 @ 1700	27
28 Check Point (1) Flow	350	355	436	406	495	478	28
29 Check Point (2) PSI @ RPM	107 - 113 @ 1200	112 - 118 @ 1200	119 - 125 @ 1300	84 - 90 @ 1000	131 - 137 @ 1400	129 - 135 @ 1400	29
30 Check Point (2) Flow	317	323	406	332	450	442	30
31 Check Point (3) PSI @ RPM	85 - 91 @ 1000	89 - 95 @ 1000	84 - 90 @ 1000		83 - 89 @ 1000	83 - 89 @ 1000	31
32 Check Point (3) Flow	276	280	332		347	340	32
33 Weight Assist Setting - Spring	.870 - 143854	.830 - 143847	.920 - 650662	.840 - 143855	.970 - 143849	.890 - 143854	33
34 Idle Plunger Code - Part No.	27 - 141632	22 - 141630	20 - 141629	20 - 141629	25 - 141631	27 - 141632	34
35 Fuel Pump Housing		3035694			3035694		35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004755 - .000	3004755 - .000	153237 - .000	3000941 - .000	3001148 - .000	143253 - .000	37
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	139585 - .040 -	139585 - .040 - .690	138789 - .050 -	139587 - .040 -	3002057 - .000 - .600	3002057 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000	70821 - .000	70821 - .000		70821 - .000		42
43 VS Gov. Idle Spring	70778	70778	70778		70778		43
44 VS Gov. Weights	163826	163826	163826		163826		44
45 VS Gov. Plunger	AR40230	AR40230	AR40230		AR40230		45
46 VS Gov. Sleeve	212148	212148	212148		212148		46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	48
49 AFC RPM - PSI	1600 - 105	1600 - 105	1600 - 113	1600 - 113	1600 - 113	1600 - 113	49
50 AFC Flow - gph	308	308	409	409	409	409	50
51 AFC Spring - Gage Height-In.	179818 -	179818 -	179824 -	179824 -	179824 -	179824 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	800 - 32	800 - 35	800 - 27	800 - 27	800 - 27	800 - 27	53
54 AFC No Air Flow	156	160	179	179	179	179	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1984 EEC	1984 EEC		1984 EEC	1983 EEC	1984 EEC	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTE-320-21	NTE-320-21	NTE-400-21	NTE-400-21	NTE-400-20	NTE-400-20	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURISED GEAR PUMP.
- (2) PRESSURISED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY.
- (3) PRESSURISED GEAR PUMP.
- (4) PRESSURISED GEAR PUMP. THIS CALIBRATION MUST BE USED WITH FUEL PUMP HOUSING 3037198 & SPRING PACK SLEEVE 3036970.
- (5) PRESSURISED GEAR PUMP.
- (6) PRESSURISED GEAR PUMP. THIS CALIBRATION MUST BE USED WITH FUEL PUMP HOUSING 3037198 & SPRING PACK SLEEVE 3036970.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SA12-B - SA17-B

1 Pump Code	SA12-B	SA13-C	SA14-A	SA15-A	SA16-B	SA17-B	
2 Date - Control Parts List	SEP89 - 0651	SEP89 - 0651	APR84 - 0659	APR84 - 0659	JUN84 - 0659	JUN84 - 0659	1
3 Test HP @ RPM	373 - 387 @ 1900	373 - 387 @ 1900	343 - 357 @ 1800	343 - 357 @ 1800	343 - 357 @ 1900	343 - 357 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	148 - 164	148 - 164	175 - 187	175 - 187	179 - 191	179 - 191	4
6 Fuel Rate Pound Per Hour	129 - 133	129 - 133	115 - 119	115 - 119	118 - 122	118 - 122	5
7 Intake Manifold Press. In./Hg	34 - 40	34 - 40	31 - 37	31 - 37	34 - 40	34 - 40	6
8 Torque Rise % - Curve	16 -	16 -	15 -	15 -	22 -	22 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2010 - 2030	1930 - 1950	1930 - 1950	1830 - 1850	2030 - 2050	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM	1930 - 1950		1830 - 1850		1930 - 1950		11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2160 @ 40		2000 @ 40		2120 @ 40	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40		2000 @ 40		2080 @ 40		17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 40		2000 @ 40		2080 @ 40		18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	170 @ 650	170 @ 650	220 @ 650	220 @ 650	220 @ 650	220 @ 650	21
23 Idle Speed cc @ RPM-Auto.							22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	159 @ 1900	159 @ 1900	181 @ 1800	181 @ 1800	185 @ 1900	185 @ 1900	24
26 Calibration Flow	475	475	412	412	415	415	25
27 Check Point (1) PSI @ RPM	133 - 139 @ 1500	133 - 139 @ 1500	129 - 135 @ 1200	129 - 135 @ 1200	160 - 166 @ 1500	160 - 166 @ 1500	26
28 Check Point (1) Flow	432	432	339	339	385	385	27
29 Check Point (2) PSI @ RPM	119 - 125 @ 1300	119 - 125 @ 1300	103 - 109 @ 1000	103 - 109 @ 1000	132 - 138 @ 1200	132 - 138 @ 1200	28
30 Check Point (2) Flow	406	406	298	298	345	345	29
31 Check Point (3) PSI @ RPM	85 - 91 @ 1000	85 - 91 @ 1000			104 - 110 @ 1000	104 - 110 @ 1000	30
32 Check Point (3) Flow	332	332			302	302	31
33 Weight Assist Setting - Spring	.925 - 143855	.780 - 143854	.854 - 143854	.990 - 650662	.930 - 143849	.881 - 143849	32
34 Idle Plunger Code - Part No.	20 - 141629	20 - 141629	15 - 139894	15 - 139894	17 - 140417	15 - 139894	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143254 - .000	143254 - .000	3004753 - .000	3004753 - .000	3001146 - .000	3001146 - .000	36
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	1.000	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	3002055 - .020 -	138790 - .050 -	138783 - .020 -	138768 - .020 -	3002055 - .020 -	3002055 - .020 -	40
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000		70821 - .000		70821 - .000		41
43 VS Gov. Idle Spring	70778		70778		70778		42
44 VS Gov. Weights	163826		163826		163826		43
45 VS Gov. Plunger	AR40230		AR40230		AR40230		44
46 VS Gov. Sleeve	212148		212148		212148		45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	47
49 AFC RPM - PSI	1600 - 113	1600 - 113	1600 - 105	1600 - 105	1600 - 105	1600 - 105	48
50 AFC Flow - pph	409	409	308	308	308	308	49
51 AFC Spring - Gage Height-In.	179824 -	179824 -	179818 -	179818 -	179818 -	179818 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	800 - 27	800 - 27	800 - 33	800 - 33	800 - 33	800 - 33	52
54 AFC No Air Flow	179	179	158	158	158	158	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1984 EEC	1984 EEC	1984 EEC	1984 EEC	1984 EEC	1984 EEC	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTE-380-20	NTE-380-20	NTE-350-20	NTE-350-20	NTE-350-21	NTE-350-21	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURISED GEAR PUMP.
- (2) PRESSURISED GEAR PUMP. THIS CALIBRATION MUST BE USED WITH FUEL PUMP HOUSING 3037198 & SPRING PACK SLEEVE 3036970
- (3) PRESSURISED GEAR PUMP.
- (4) PRESSURISED GEAR PUMP. THIS CALIBRATION MUST BE USED WITH FUEL PUMP HOUSING 3037198 & SPRING PACK SLEEVE 3036970
- (5) PRESSURISED GEAR PUMP.
- (6) PRESSURISED GEAR PUMP. THIS CALIBRATION MUST BE USED WITH FUEL PUMP HOUSING 3037198 & SPRING PACK SLEEVE 3036970

1 Pump Code	SA18-A	SA19-B	SA20-A	SA21-A	SA22-B	SA23-A	1
2 Date - Control Parts List	MAR84 - 0659	OCT84 - 0659	MAY84 - 0651	MAY84 - 0651	JUN84 - 0659	SEP89 - 0651	2
3 Test HP @ RPM	343 - 357 @ 2100	343 - 357 @ 2100	373 - 387 @ 2100	373 - 387 @ 2100	343 - 357 @ 1900	373 - 387 @ 1900	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	185 - 197	185 - 197	159 - 171	159 - 171	179 - 191	148 - 164	5
6 Fuel Rate Pound Per Hour	123 - 127	123 - 127	133 - 137	133 - 137	118 - 122	129 - 133	6
7 Intake Manifold Press. In./Hg	34 - 40	34 - 40	36 - 42	36 - 42	34 - 40	34 - 40	7
8 Torque Rise % - Curve	12 -	34 -	28 -	28 -	22 -	16 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2230 - 2250	2130 - 2150	2230 - 2250	2130 - 2150	2030 - 2050	2010 - 2030	11
12 VS/Sec. Gov. Setting-RPM	2130 - 2150		2130 - 2150		1930 - 1950	1930 - 1950	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 40	2350 @ 40		2350 @ 40			14
15 Min. Auto. Gov. Check-RPM @ PSI	2300 @ 40						15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2340 @ 40		2280 @ 40		2080 @ 40	2100 @ 40	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2260 @ 40		2280 @ 40		2080 @ 40	2100 @ 40	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lever	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	280 @ 600	220 @ 650	170 @ 650	170 @ 650	220 @ 650	170 @ 650	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	191 @ 2100	191 @ 2100	185 @ 2100	185 @ 2100	188 @ 1900	188 @ 1900	25
26 Calibration Flow	432	432	490	490	415	475	26
27 Check Point (1) PSI @ RPM	162 - 168 @ 1700	162 - 168 @ 1700	142 - 148 @ 1700	142 - 148 @ 1700	163 - 170 @ 1500	124 - 130 @ 1300	27
28 Check Point (1) Flow	399	399	456	456	378	406	28
29 Check Point (2) PSI @ RPM	137 - 143 @ 1300	137 - 143 @ 1300	124 - 130 @ 1400	124 - 130 @ 1400	140 - 146 @ 1200	88 - 98 @ 1000	29
30 Check Point (2) Flow	363	363	442	442	343	332	30
31 Check Point (3) PSI @ RPM	99 - 105 @ 1000	99 - 105 @ 1000	82 - 88 @ 1000	79 - 85 @ 1000	107 - 113 @ 1000		31
32 Check Point (3) Flow	296	296	344	344	301		32
33 Weight Assist Setting - Spring	.860 - 143847	.860 - 143849	.885 - 143847	.870 - 143847	.920 - 143849	.925 - 143855	33
34 Idle Plunger Code - Part No.	15 - 139894	20 - 141629	27 - 141632	27 - 141632	17 - 140417	17 - 140417	34
35 Fuel Pump Housing	3035694						35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004755 - .000	3001147 - .000	3004756 - .000	3000935 - .000	3004755 - .000	143254 - .000	37
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	3002052 - .020 - .670	3002049 - .000 -	3002058 - .040 -	3002057 - .040 -	3002055 - .040 -	3002055 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000		70821 - .000		70821 - .000	70821 - .000	42
43 VS Gov. Idle Spring	70778		70778		70778	70778	43
44 VS Gov. Weights	163826		163826		163826	163826	44
45 VS Gov. Plunger	AR40230		AR40230		AR40230	AR40230	45
46 VS Gov. Sleeve	212148		212148		212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	48
49 AFC RPM - PSI	1600 - 105	1600 - 105	1600 - 113	1600 - 113	1600 - 105	1600 - 113	49
50 AFC Flow - pph	308	308	409	409	308	409	50
51 AFC Spring - Gage Height-In.	179818 -	179818 -	179824 -	179824 -	179818 -	179824 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	800 - 33	800 - 33	800 - 27	800 - 27	800 - 33	800 - 27	53
54 AFC No Air Flow	158	158	179	179	158	179	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1984 EEC	1984 EEC	1984 EEC	1984 EEC	1984 EEC	1984 EEC	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTE-350-22	NTE-350-22	NTE-380-21	NTE-380-21	NTE-350-21	NTE-380-20	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURISED GEAR PUMP.
- (2) PRESSURISED GEAR PUMP. THIS CALIBRATION MUST BE USED WITH FUEL PUMP HOUSING 3037198 & SPRING PACK SLEEVE 3036970.
- (3) PRESSURISED GEAR PUMP.
- (4) PRESSURISED GEAR PUMP. THIS CALIBRATION MUST BE USED WITH FUEL PUMP HOUSING 3037198 & SPRING PACK SLEEVE 3036970.
- (5) PRESSURISED GEAR PUMP. USE WITH CHECK VALVES ONLY.
- (6) PRESSURISED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SA24-A - SA30-A

1 Pump Code	SA24-A	SA25-B	SA26-A	SA28-A	SA29-A	SA30-A	
2 Date - Control Parts List	OCT84 - 0651	OCT85 - 0651	APR90 - 0647	MAY86 - 0651	JUN86 - 0659	AUG86 - 0659	1
3 Test HP @ RPM	392 - 408 @ 1900	392 - 408 @ 1900	314 - 326 @ 1900	392 - 408 @ 2100	343 - 357 @ 1900	343 - 357 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	166 - 178	166 - 178	146 - 158	170 - 182	179 - 191	179 - 191	4
6 Fuel Rate Pound Per Hour	136 - 140	136 - 140	105 - 109	139 - 143	118 - 122	118 - 122	5
7 Intake Manifold Press. In./Hg	37 - 43	37 - 43	33 - 42	39 - 45	34 - 40	34 - 40	6
8 Torque Rise % - Curve	10 -	10 -	24 -	22 -	22 -	18 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2030 - 2050	1930 - 1950	1930 - 1950	2220 - 2240	1930 - 1950	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM	1930 - 1950			2130 - 2150			11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2150 @ 40	2140 @ 15		2150 @ 15	2150 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2080 @ 40			2290 @ 40			17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2080 @ 40			2290 @ 40			18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	170 @ 650	170 @ 650	155 @ 600	280 @ 600	220 @ 650	220 @ 650	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	179 @ 1900	179 @ 1900	159 @ 1900	188 @ 2100	192 @ 1900	180 @ 1900	24
26 Calibration Flow	492	492	386	533	415	428	25
27 Check Point (1) PSI @ RPM	124 - 130 @ 1300	126 - 132 @ 1300	114 - 120 @ 1200	138 - 144 @ 1400	139 - 145 @ 1200	125 - 131 @ 1200	26
28 Check Point (1) Flow	406	406	317	450	345	355	27
29 Check Point (2) PSI @ RPM	88 - 98 @ 1000	97 - 109 @ 1000	91 - 99 @ 1000	89 - 97 @ 1000	110 - 118 @ 1000	100 - 112 @ 1000	28
30 Check Point (2) Flow	332	332	276	347	302	318	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.920 - 650662	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	15 - 139894	17 - 140417	17 - 140417	5 - 141623	10 - 141625	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	153235 - .000	3004753 - .000	143253 - .000	3004750 - .000	143254 - .000	36
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	1.000	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138789 - .050 -	138783 - .010 -	139584 - .040 -	139585 - .050 -	139585 - .030 -	138783 - .030 -	40
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000			109689 - .000			41
43 VS Gov. Idle Spring	70778			70778			42
44 VS Gov. Weights	163826			163826			43
45 VS Gov. Plunger	AR40230			AR40230			44
46 VS Gov. Sleeve	212148			212148			45
47 AFC Barret & Plunger Assembly							46
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	47
49 AFC RPM - PSI	1600 - 113	1600 - 113	1600 - 105	1600 - 113	1600 - 105	1600 - 105	48
50 AFC Flow - pph	409	409	308	409	308	308	49
51 AFC Spring - Gage Height-In.	179824 -	179824 -	179818 -	179824 -	179818 -	179818 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	800 - 27	800 - 27	800 - 32	800 - 27	800 - 33	800 - 33	52
54 AFC No Air Flow	179	179	156	179	158	158	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1984 EEC	1985 EEC	1985 EEC	1986 EEC	1986 EEC	1986 EEC	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTE400-21	NTE400-21	NTE320-21	NTE400-20	NTE350-21	NTE350-21	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURISED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY.
- (2) PRESSURISED GEAR PUMP. THIS CALIBRATION MUST BE USED WITH FUEL PUMP HOUSING 3037198 & SPRING PACK SLEEVE 3036970 USE WITH FUEL LINE CHECK VALVES ONLY.
- (3) PRESSURISED GEAR PUMP. THIS CALIBRATION MUST BE USED WITH FUEL PUMP HOUSING 3037198 & SPRING PACK SLEEVE 3036970 USE WITH FUEL LINE CHECK VALVES ONLY.
- (4) PRESSURISED GEAR PUMP. FOR USE WITH FUEL LINE CHECK VALVES ONLY. NOMOGRAM.
- (5) PRESSURISED GEAR PUMP. THIS CALIBRATION MUST BE USED WITH FUEL PUMP HOUSING 3037198 & SPRING PACK SLEEVE 3036970 USE WITH FUEL LINE CHECK VALVES ONLY NOMOGRAM.
- (6) PRESSURISED GEAR PUMP. THIS CALIBRATION MUST BE USED WITH FUEL PUMP HOUSING 3037198 & SPRING PACK SLEEVE 3036970 NOMOGRAM.

1 Pump Code	SA32-B	SA33-B	SA37-E	SA39-B	SA45-C	SA46-C	1
2 Date - Control Parts List	JUN92 - 0647	JUN92 - 0647	SEP92 - 0647	JUN92 - 0659	JUN92 - 0659	JUN92 - 0659	2
3 Test HP @ RPM	314 - 326 @ 1900	314 - 326 @ 1900	314 - 326 @ 1900	343 - 357 @ 1900	343 - 357 @ 2100	343 - 357 @ 1900	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	146 - 162	146 - 162	146 - 162	171 - 189	185 - 197	171 - 189	5
6 Fuel Rate Pound Per Hour	105 - 109	105 - 109	105 - 109	118 - 122	123 - 127	118 - 122	6
7 Intake Manifold Press. in./Hg	33 - 42	33 - 42	33 - 42	34 - 40	34 - 40	34 - 40	7
8 Torque Rise % - Curve	24 -	24 -	24 -	22 -	12 -	22 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	1930 - 1950	2030 - 2050	1930 - 1950	2230 - 2250	2030 - 2050	11
12 VS/Sec. Gov. Setting-RPM			1930 - 1950		2130 - 2150	1930 - 1950	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2150 @ 15	2150 @ 15	2400 @ 15	2150 @ 15	2350 @ 15	2080 @ 40	14
15 Min. Auto. Gov. Check-RPM @ PSI			2220 @ 15				15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2220 @ 15				18
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2090 @ 15				19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto. VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	200 @ 620	200 @ 620	200 @ 620	220 @ 650	280 @ 600	220 @ 650	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc			@ 620 - 200				24
25 Calibration PSI @ RPM	154 @ 1900	154 @ 1900	154 @ 1900	181 @ 1900	191 @ 2100	188 @ 1900	25
26 Calibration Flow	393	393	393	415	432	415	26
27 Check Point (1) PSI @ RPM	107 - 113 @ 1200	107 - 113 @ 1200	107 - 113 @ 1200	132 - 138 @ 1200	137 - 143 @ 1300	140 - 146 @ 1200	27
28 Check Point (1) Flow	326	326	326	345	363	343	28
29 Check Point (2) PSI @ RPM	84 - 96 @ 1000	84 - 96 @ 1000	84 - 96 @ 1000	104 - 110 @ 1000	99 - 110 @ 1000	107 - 117 @ 1000	29
30 Check Point (2) Flow	285	285	285	302	296	301	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.870 - 143854	.800 - 143854	.830 - 143847	.881 - 143849	.790 - 143854	.750 - 143854	33
34 Idle Plunger Code - Part No.	27 - 141632	17 - 140417	17 - 140417	15 - 139894	10 - 141625	10 - 141625	34
35 Fuel Pump Housing			3054344				35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004755 - .000	3004753 - .000	153235 - .226	3001146 - .000	143254 - .000	3004752 - .000	37
38 Gear Pump Size In.	1.000	1.000	.750	1.000	.750	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	139584 - .000	139584 - .040	3053162 - .110 - .610	3002055 - .020	3002050 - .050	3002049 - .040	41
42 VS Gov. Max. Spring - Ref. Shims			70821 - .000		70821 - .000	70821 - .000	42
43 VS Gov. Idle Spring			70778		70778	70778	43
44 VS Gov. Weights			163826		163826	163826	44
45 VS Gov. Plunger			AR40230		AR40230	AR40230	45
46 VS Gov. Sleeve			212148		212148	212148	46
47 AFC Barrel & Plunger Assembly			3058944				47
48 AFC in./Hg - PSI							48
49 AFC RPM - PSI	800 - 30	800 - 30	800 - 30	800 - 36	800 - 36	800 - 36	49
50 AFC Flow - pph	168	168	168	181	181	181	50
51 AFC Spring - Gage Height-In.	179818 -	179818 -	179818 -	179818 -	179818 -	179818 -	51
52 AFC Bias Spring			3051069				52
53 AFC No Air RPM - PSI	800 - 33	800 - 33	800 - 33	800 - 39	800 - 39	800 - 39	53
54 AFC No Air Flow	177	177	177	190	190	190	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve			3028324				61
62 Certified Year/Agency	1990 EEC	1990 EEC	1989 EEC	1990 EEC	1989 EEC	1989 EEC	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTE-320-21	NTE-320-21	NTE-320-21	NTE-350-21	NTE-350-22	NTE-350-21	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURISED GEAR PUMP. USE ANTI-RESONANCE HOUSING. DUAL SPRING AFC PUMP. BIAS SPRING # 3051069 20 IN/LB RED/YELLOW. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (2) PRESSURISED GEAR PUMP. USE ANTI-RESONANCE HOUSING. USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPRING AFC PUMP. BIAS SPRING # 3051069 20 IN/LB RED/YELLOW. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (3) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPRING AFC PUMP. BIAS SPRING # 3051069 20 IN/LB RED/YELLOW. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (4) PRESSURISED GEAR PUMP. DUAL SPRING AFC PUMP. USE ANTI RESONANCE HOUSING. BIAS SPRING # 3051069 20 IN/LB RED/YELLOW. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (5) DUAL SPRING AFC PUMP. BIAS SPRING # 3051069 20 IN/LB RED/YELLOW. ADJUST AFC SET SCREW TO VALUE UNDER AFC THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (6) DUAL SPRING AFC PUMP. USE WITH CHECK VALVES ONLY. BIAS SPRING # 3051069 20 IN/LB RED/YELLOW. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SA47-B - SA56-B

1 Pump Code	SA47-B	SA48-B	SA51-C	SA53-C	SA55-B	SA56-B	1
2 Date - Control Parts List	SEP92 - 0651	JUN92 - 0651	JUN92 - 0651	OCT92 - 0651	JUN92 - 0651	JUN92 - 0651	2
3 Test HP @ RPM	392 - 408 @ 1900	392 - 408 @ 2100	392 - 408 @ 1900	392 - 408 @ 2100	373 - 387 @ 2100	373 - 387 @ 1900	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	157 - 173	161 - 177	157 - 173	161 - 177	148 - 164	146 - 162	5
6 Fuel Rate Pound Per Hour	136 - 140	139 - 143	136 - 140	139 - 143	133 - 137	129 - 133	6
7 Intake Manifold Press. In./Hg	34 - 42	37 - 45	34 - 42	37 - 45	34 - 42	32 - 38	7
8 Torque Rise % - Curve	10 -	22 -	10 -	22 -	28 -	16 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	2130 - 2150	1930 - 1950	2195 - 2215	2230 - 2250	2010 - 2030	11
12 VS/Sec. Gov. Setting-RPM				2130 - 2150	2130 - 2150	1930 - 1950	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 15	2380 @ 15	2200 @ 15	2457 @ 15	2600 @ 15		14
15 Min. Auto. Gov. Check-RPM @ PSI	2090 @ 15		2090 @ 15	2300 @ 15	2300 @ 15		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2370 @ 15	2480 @ 15	2150 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2240 @ 15	2370 @ 15	2150 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	200 @ 630	200 @ 630	200 @ 630	200 @ 630	200 @ 630	200 @ 630	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc				200 @ 630 - 200			24
25 Calibration PSI @ RPM	165 @ 1900	169 @ 2100	165 @ 1900	169 @ 2100	156 @ 2100	154 @ 1900	25
26 Calibration Flow	524	540	524	540	511	505	26
27 Check Point (1) PSI @ RPM	111 - 117 @ 1300	122 - 128 @ 1400	111 - 117 @ 1300	122 - 128 @ 1400	121 - 127 @ 1400	111 - 117 @ 1300	27
28 Check Point (1) Flow	427	460	427	460	448	427	28
29 Check Point (2) PSI @ RPM	81 - 87 @ 1000	82 - 89 @ 1000	81 - 87 @ 1000	82 - 89 @ 1000	76 - 82 @ 1000	76 - 82 @ 1000	29
30 Check Point (2) Flow	363	380	363	380	353	353	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.840 - 143855	.890 - 143854	.850 - 143848	.890 - 143847	.885 - 143847	.925 - 143855	33
34 Idle Plunger Code - Part No.	20 - 141629	27 - 141632	15 - 139894	25 - 141631	27 - 141632	17 - 140417	34
35 Fuel Pump Housing				3054344	3054344		35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000941 - .000	143253 - .000	143253 - .000	3001148 - .125	3004756 - .000	143254 - .000	37
38 Gear Pump Size In.	1.000	1.000	1.000	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	139587 - .040 - .640	3002057 - .000 -	138768 - .020 - .670	3002056 - .010 - .610	3002058 - .040 - .640	3002055 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims				70821 - .000	70821 - .000	70821 - .000	42
43 VS Gov. Idle Spring				70778	70778	70778	43
44 VS Gov. Weights				163826	163826	163826	44
45 VS Gov. Plunger				AR40230	AR40230	AR40230	45
46 VS Gov. Sleeve				212148	212148	212148	46
47 AFC Barrel & Plunger Assembly	3058944		3058944	3058944	3059603		47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	800 - 19	800 - 19	800 - 19	800 - 19	800 - 19	800 - 19	49
50 AFC Flow - pph	181	181	181	181	181	181	50
51 AFC Spring - Gage Height-In.	179824 -	179824 -	179824 -	179824 -	179824 -	179824 -	51
52 AFC Bias Spring	3051071	3051071	3051071	3051071	3051071	3051071	52
53 AFC No Air Spring - PSI	800 - 22	800 - 22	800 - 22	800 - 22	800 - 22	800 - 22	53
54 AFC No Air Flow	190	190	190	190	190	190	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve				3028325			61
62 Certified Year/Agency	1990 EEC	1990 EEC	1990 EEC	1990 EEC	1990 EEC	1990 EEC	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTE-400-21	NTE-400-20	NTE-400-21	NTE-400-20	NTE-380-21	NTE-380-20	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURISED GEAR PUMP. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST SFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (2) PRESSURISED GEAR PUMP. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (3) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER NO-AIR SET. PRESSURISED GEAR PUMP.
- (4) DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. REF: AUTO GOV SHIMS 0.125".
- (5) DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (6) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SCREW.

1 Pump Code	SA57-B	SA58-B	SA59-B	SA61-I	SA62-C	SA64-C	
2 Date - Control Parts List	JUN92 - 0651	JUN92 - 0651	JUN92 - 0651	JUN92 - 1186	OCT92 - 1199	JUN92 - 1199	1
3 Test HP @ RPM	392 - 408 @ 1900	392 - 408 @ 2100	417 - 430 @ 2100	449 - 467 @ 2100	353 - 367 @ 1900	353 - 367 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	157 - 173	161 - 177	180 - 198	199 - 221	147 - 163	149 - 165	4
6 Fuel Rate Pound Per Hour	136 - 140	139 - 143	147 - 152	157 - 165	118 - 122	118 - 122	5
7 Intake Manifold Press. In./Hg	34 - 42	37 - 45	41 - 47	46 - 54	33 - 41	35 - 43	6
8 Torque Rise % - Curve	10 -	22 -	13 -	22 -	18 -	18 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2030 - 2050	2220 - 2240	2230 - 2250	2195 - 2215	1930 - 1950	2000 - 2020	10
12 VS/Sec. Gov. Setting-RPM	1930 - 1950	2130 - 2150	2130 - 2150	2130 - 2150		1930 - 1950	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI				2457 @ 15	2185 @ 15	2200 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI				2340 @ 15	2020 @ 15		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 15	2340 @ 15	2457 @ 15	2340 @ 15			17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 15	2340 @ 15	2457 @ 15	2220 @ 15			18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	200 @ 630	200 @ 630	170 @ 650	280 @ 600	210 @ 620	210 @ 620	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	165 @ 1900	169 @ 2100	189 @ 2100	206 @ 2100	158 @ 1900	161 @ 1900	24
26 Calibration Flow	524	540	575	610	440	440	25
27 Check Point (1) PSI @ RPM	111 - 117 @ 1300	122 - 128 @ 1400	123 - 129 @ 1400	125 - 131 @ 1250	102 - 108 @ 1200	104 - 110 @ 1200	26
28 Check Point (1) Flow	427	460	458	475	354	355	27
29 Check Point (2) PSI @ RPM	81 - 87 @ 1000	82 - 89 @ 1000	71 - 83 @ 1000	86 - 98 @ 1000	83 - 95 @ 1000	77 - 86 @ 1000	28
30 Check Point (2) Flow	363	380	352	410	323	305	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.870 - 1438 47	.920 - 143847	.825 - 143854	.780 - 143854	.810 - 143854	.860 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	25 - 141631	22 - 141630	12 - 141626	22 - 141630	15 - 139894	33
35 Fuel Pump Housing				3054344	3279523		34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	3001148 - .000	153236 - .000	153237 - .000	153235 - .000	153238 - .000	36
38 Gear Pump Size In.	1.000	1.000	.750	1.000	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138789 - .050	3002057 - .000	138784 - .035	139585 - .030 - .680	142867 - .000 - .700	138788 - .060	40
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000	70821 - .000	70821 - .000	70821 - .000		109687 - .000	41
43 VS Gov. Idle Spring	70778	70778	70778	70778		70778	42
44 VS Gov. Weights	163826	163826	163826	163826		163826	43
45 VS Gov. Plunger	AR40230	AR40230	AR40230	AR40230		AR40230	44
46 VS Gov. Sleeve	212148	212148	212148	212148		212148	45
47 AFC Barrel & Plunger Assembly				3058944			46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	800 - 19	800 - 19	1600 - 78	1600 - 72	800 - 26	800 - 26	48
50 AFC Flow - pph	181	181	373	361	166	166	49
51 AFC Spring - Gage Height-In.	179824 -	179824 -	179820 -	179830 -	179828 -	179828 -	50
52 AFC Bias Spring				3051072	3051071		51
53 AFC No Air RPM - PSI	800 - 22	800 - 22	1600 - 81	1600 - 75	800 - 29	800 - 29	52
54 AFC No Air Flow	190	190	382	370	175	175	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1990 EEC	1990 EEC	1987 AUTO	1988 AUTO	1989 EEC		61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTE400-21	NTE-400-20	NTE-430-20	NTE-465	NTE-365	NTE-365	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPRING AFC PUMP. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET.ET SCREW TO VALUE UNDER AFC THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. BIAS SPRING # 3051071 GREEN 30 IN/LB.
- (2) USE 1/2 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (3) PRESSURISED GEAR PUMP. DUAL SPRING AFC PUMP. BIAS SPRING # 3051070 RED/GREEN 25 LB/IN.
- (4) DUAL SPRING AFC PUMP. BIAS SPRING # 3051072 PURPLE 40 IN/LB ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. GRAPHICAL NDMOGRAM. THIS IS A "SEALED PUMP" FUEL CODE 14.11.88.
- (5) DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (6) DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SA65-H - SA76-C

1 Pump Code	SA65-H	SA65-B	SA67-A	SA71-D	SA72-E	SA76-C	
2 Date - Control Parts List	SEP92 - 1199	OCT89 - 1258	MAR89 - 1267	SEP92 - 1199	MAY93 - 1370	JUN92 - 1200	1
3 Test HP @ RPM	353 - 367 @ 1900	451 - 469 @ 2100	451 - 469 @ 2100	353 - 367 @ 2100	451 - 469 @ 2100	392 - 408 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	147 - 163	171 - 189	168 - 188	161 - 177	194 - 214	153 - 169	4
6 Fuel Rate Pound Per Hour	118 - 122	155 - 162	157 - 163	120 - 124	158 - 164	132 - 138	5
7 Intake Manifold Press. In./Hg	33 - 41	37 - 45	37 - 45	36 - 44	37 - 45	39 - 47	6
8 Torque Rise % - Curve	18 -	23 -	23 -	31 -	22 -	18 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2000 - 2020	2195 - 2215	2195 - 2215	2195 - 2215	2230 - 2250	2000 - 2020	10
12 VS/Sec. Gov. Setting-RPM	1930 - 1950	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	1930 - 1950	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2360 @ 15			2490 @ 15	2580 @ 15		13
15 Min. Auto. Gov. Check-RPM @ PSI	2200 @ 15			2350 @ 15	2420 @ 15		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2200 @ 15	2457 @ 15	2457 @ 15	2460 @ 15	2415 @ 15	2200 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2090 @ 15	2457 @ 15	2457 @ 15	2310 @ 15	2255 @ 15	2090 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	210 @ 620	180 @ 580	180 @ 580	210 @ 620	250 @ 600	215 @ 650	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 620 - 210			@ 620 - 210	@ 600 - 250	@ 650 - 215	23
25 Calibration PSI @ RPM	163 @ 1900	181 @ 2100	183 @ 2100	171 @ 2100	204 @ 2100	159 @ 1900	24
26 Calibration Flow	445	332	354	468	650	590	25
27 Check Point (1) PSI @ RPM	105 - 111 @ 1200	112 - 118 @ 1250	114 - 120 @ 1250	100 - 106 @ 1200	136 - 142 @ 1250	112 - 118 @ 1300	26
28 Check Point (1) Flow	360	262	275	355	486	500	27
29 Check Point (2) PSI @ RPM	82 - 90 @ 1000	76 - 88 @ 1000	74 - 86 @ 1000	77 - 86 @ 1000	97 - 107 @ 1000	69 - 81 @ 1000	28
30 Check Point (2) Flow	320	224	225	305	430	404	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.870 - 143854	.788 - 3070197	.750 - 143854	.820 - 143854	.800 - 143854	.760 - 143854	32
34 Idle Plunger Code - Part No.	15 - 139894	30 - 141633	22 - 141630	15 - 139894	10 - 141625	15 - 139894	33
35 Fuel Pump Housing	3054344			3054344	3054344		34
36 Auto. Idle Spring	3018767	3018767	144195	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	153237 - .000	153237 - .000	153237 - .000	153237 - .110	143253 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	1.000	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138788 - .060 - .660	3002047 - .010 -	3002047 - .010 -	3002053 - .060 - .660	3002058 - .040 - .640	142869 - .000 - .700	40
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	70821 - .000	70821 - .000	109687 - .000	70821 - .000	109687 - .000	41
43 VS Gov. Idle Spring	70778	70778	70778	70778	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	AR40230	AR40230	AR40230	AR40230	AR40230	AR40230	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3058944			3058944	3074225	3058944	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	800 - 26	1600 - 54	1600 - 48	800 - 26	800 - 20	800 - 15	48
50 AFC Flow - pph	166	173	168	166	198	183	49
51 AFC Spring - Gage Height-In.	179828 -	179828 -	179828 -	179828 -	179818 - .117	179828 -	50
52 AFC Bias Spring	3051071			3051071	3071950	3051071	51
53 AFC No Air RPM - PSI	800 - 29	1600 - 58	1800 - 58	800 - 29	800 - 23	800 - 18	52
54 AFC No Air Flow	175	185	185	175	207	192	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve	3028324						60
62 Certified Year/Agency	1988 EEC	1989 EEC	1989 AUTO	1989 AUTO	1990 EEC		61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTE-365	NTAA-465-40	NTE-465-35	NTE-365	NTAA-465	NTE-405	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE 1/2PSI CHECK VALVE IN SUPPLY LINE 14.9.8 DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. THIS IS A "SEALED PUMP" FUEL CODE 1.1.90.
- (2) DUAL SPR. AFC PUMP WITH PRELOAD WEIGHT ASSIS BIAS SPRING # 3056072 BLUE/WHITE 10 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. USE WITH FUEL LINE CHECK VALVES ONLY. ENSURE NO-AIR (SECONDARY) SETTING AT 800 RPM IS 27-29 PSI (118 PPH)
- (3) DUAL SPRING AFC PUMP. BIAS SPRING # 3056072 BLUE/WHITE 10 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (4) DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (5) DUAL SPRING AFC PUMP - NON PRE-LOAD WT.ASSIS USE SHAPED PORT AFC ASSY NO. 3070590 ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (6) SUPPLY LINE CHECK VALVE DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.

1 Pump Code	SA77-B	SA78-F	SA87-B	SA89-C	SA90-A	SA93-C	
2 Date - Control Parts List	JUN92 - 0479	MAY93 - 1370	SEP92 - 1402	JUN92 - 1515	AUG92 - 1402	MAR93 - 1636	1
3 Test HP @ RPM	235 - 245 @ 2100	451 - 469 @ 2100	402 - 418 @ 1900	392 - 408 @ 1900	372 - 388 @ 1900	369 - 383 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	99 - 109	194 - 214	152 - 168	158 - 174	132 - 146	125 - 138	4
6 Fuel Rate Pound Per Hour	86 - 90	158 - 164	134 - 140	132 - 138	125 - 131	126 - 132	5
7 Intake Manifold Press. In./Hg	31 - 39	37 - 45	31 - 39	39 - 47	28 - 36	38 - 45	6
8 Torque Rise % - Curve	10 - 0000	22 -	15 -	15 -	24 -	21 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2195 - 2215	2230 - 2250	2000 - 2020	2000 - 2020	2030 - 2050	2030 - 2050	10
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	2130 - 2150	1930 - 1950	1930 - 1950	1930 - 1950	1930 - 1950	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2580 @ 15	2290 @ 15	2360 @ 15	2390 @ 15	2310 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI		2420 @ 15	2120 @ 15	2180 @ 15	2270 @ 15	2190 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2415 @ 15	2260 @ 15	2200 @ 15	2260 @ 15	2230 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2255 @ 15	2110 @ 15	2020 @ 15	2140 @ 15	2110 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	155 @ 600	250 @ 600	200 @ 580	200 @ 640	200 @ 580	200 @ 580	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 600 - 250	@ 580 - 200	@ 640 - 200	@ 580 - 200	@ 580 - 200	23
25 Calibration PSI @ RPM	110 @ 2100	204 @ 2100	163 @ 1900	168 @ 1900	147 @ 1900	134 @ 1900	24
26 Calibration Flow	315	650	540	560	490	286	25
27 Check Point (1) PSI @ RPM	66 - 72 @ 1500	136 - 142 @ 1250	104 - 110 @ 1200	117 - 123 @ 1300	105 - 111 @ 1200	89 - 95 @ 1200	26
28 Check Point (1) Flow	245	486	430	475	407	236	27
29 Check Point (2) PSI @ RPM	32 - 40 @ 1000	97 - 107 @ 1000	78 - 88 @ 1000	76 - 82 @ 1000	74 - 84 @ 1000	68 - 78 @ 1000	28
30 Check Point (2) Flow	170	430	385	385	385	206	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143855	.800 - 143854	.780 - 3070197	.820 - 143855	.751 - 143854	.788 - 143854	32
34 Idle Plunger Code - Part No.	67 - 141638	10 - 141625	20 - 141629	15 - 139894	17 - 140417	32 - 141634	33
35 Fuel Pump Housing		3054344	3054344	3054344	3069255	3069255	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143251 - .000	153237 - .110	153238 - .000	143252 - .080	153235 - .144	153238 - .100	36
38 Gear Pump Size In.	.750	1.000	1.000	.750	1.000	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3040760	39
41 Torque Spring - Shims - Gage Height		3002058 - .040 - .640	138788 - .060 - .660	139587 - .020 - .620	3053166 - .093 - .593	138802 - .085 - .635	40
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000	70821 - .000	109687 - .000	109686 - .000	109687 - .000	109687 - .000	41
43 VS Gov. Idle Spring	70778	70778	70778	70778	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	AR40230	AR40230	AR40230	AR40230	AR40230	AR40230	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3074225	3074225	3058944	3058944	3074225	3074225	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1600 - 65	800 - 20	800 - 22	800 - 19	800 - 22	800 - 19	48
50 AFC Flow - pph	236	198	194	186	194	100	49
51 AFC Spring - Gage Height-In.	179816 -	179818 - .117	179824 -	179828 -	179824 - .1.7	179820 - .117	50
52 AFC Bias Spring		3071950	3051069	3051071	3051070	3071948	51
53 AFC No Air RPM - PSI	1600 - 68	800 - 23	800 - 25	800 - 22	800 - 25	800 - 22	52
54 AFC No Air Flow	245	207	203	195	203	109	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve		3028324	3028324	3028324			60
62 Certified Year/Agency		1990 EEC	1990 EEC	1991 GEN		1992 EEC	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTE-290	NTAA-465-41	NTAA-410-40	NTE-405	NTAA-380	NTAA-380 EURD1	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE 5 PSI CHECK VALVE IN THE SUPPLY LINE. DUAL SPRING AFC PUMP. BIAS SPRING # 3051069 20 IN/LB RED/YELLOW. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (2) DUAL SPRING AFC PUMP - NON PRE-LOAD WT.ASSIS USE SHAPED PORT AFC ASSY NO. 3070590 ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE.
- (3) USE 1/2 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPR. AFC PUMP WITH PRELOAD WEIGHT ASSIS BIAS SPRING # 3051069 RED/YELLOW 20 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (4) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. REF: AUTO GOV SHIMS 0.080".
- (5) USE 1/2 PSI CHECK VALVE IN SUPPLY LINE. 91 AFC. DUAL SPRING. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (6) USE 1/2 PSI CHECK VALVE IN SUPPLY LINE. 91 AFC. DUAL SPRING. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST BOTTOM SCREW TO VALUE UNDER AFC NO-AIR SET.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SA97-C - SB03-A

1 Pump Code	SA97-C	SA98-A	SA99-A	SB01-A	SB02-A	SB03-A	1
2 Date - Control Parts List	MAR93 - 1637	MAR93 - 1637	JUN93 - 1630	JAN86 - 0553	OCT89 - 0365	OCT89 - 0462	2
3 Test HP @ RPM	398 - 414 @ 1900	398 - 414 @ 1900	392 - 408 @ 1900	304 - 316 @ 2100	392 - 408 @ 2100	353 - 367 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	140 - 156	140 - 156	147 - 163	100 - 110	144 - 160	168 - 186	5
6 Fuel Rate Pound Per Hour	135 - 141	138 - 145	131 - 137	109 - 113	144 - 150	131 - 137	6
7 Intake Manifold Press. In./Hg	40 - 48	40 - 48	39 - 49	31 - 39	41 - 49	35 - 43	7
8 Torque Rise % - Curve	18 -	18 -	15 -	20 -	- 000000	11 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2030 - 2050	2030 - 2050	2030 - 2050	2130 - 2150	2130 - 2150	2195 - 2215	11
12 VS/Sec. Gov. Setting-RPM	1930 - 1950	1930 - 1950	1930 - 1950			2120 - 2140	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2320 @ 15	2340 @ 15	2330 @ 15	2370 @ 15	2380 @ 15		14
15 Min. Auto. Gov. Check-RPM @ PSI	2200 @ 15	2180 @ 15	2210 @ 15				15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2240 @ 15	2240 @ 15	2235 @ 15			2457 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2080 @ 15	2080 @ 15	2115 @ 15			2457 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -			110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.				29 @ 500	28 @ 500	19 @ 500	22
23 Idle Speed cc @ RPM-Auto.	200 @ 580	200 @ 580	200 @ 640	210 @ 640	205 @ 590	150 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 580 - 200		@ 640 - 200				24
25 Calibration PSI @ RPM	149 @ 1900	151 @ 1900	164 @ 1900	112 @ 2100	168 @ 2100	177 @ 2100	25
26 Calibration Flow	308	307	536	385	484	405	26
27 Check Point (1) PSI @ RPM	96 - 102 @ 1200	95 - 101 @ 1200	115 - 121 @ 1300	77 - 83 @ 1400	119 - 125 @ 1500	112 - 118 @ 1500	27
28 Check Point (1) Flow	253	239	441	312	410	315	28
29 Check Point (2) PSI @ RPM	74 - 84 @ 1000	72 - 82 @ 1000	75 - 85 @ 1000	40 - 52 @ 1000	52 - 64 @ 1000	50 - 62 @ 1000	29
30 Check Point (2) Flow	225	225	351	242	246	171	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.820 - 143854	.820 - 143854	.810 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	25 - 141631	27 - 141632	20 - 141629	60 - 140927	35 - 140922	47 - 140924	34
35 Fuel Pump Housing	3069255	3069255	3070269				35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .144	153237 - .115	143252 - .060	143252 - .000	143251 - .000	3001157 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040760	3040760	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138792 - .035 - .635	138790 - .037 - .637	139587 - .020 - .620	138784 - .030 -	138782 - .020 -	142 698 - .050 -	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109686 - .000			109689 - .000	42
43 VS Gov. Idle Spring	70778	70778	70778			70778	43
44 VS Gov. Weights	163826	163826	163826			163826	44
45 VS Gov. Plunger	AR40230	AR40230	AR40230			AR40230	45
46 VS Gov. Sleeve	212148	212148	212148			212148	46
47 AFC Barrel & Plunger Assembly	3074225	3074225	3074225				47
48 AFC In./Hg - PSI				3 - 1.4		8 - 3.9	48
49 AFC RPM - PSI	800 - 19	800 - 19	800 - 19	1600 - 52		1600 - 78	49
50 AFC Flow - pph	100	100	189	260		270	50
51 AFC Spring - Gage Height-In.	179820 - .117	179820 - .117	179818 - .117	179818 -		179830 -	51
52 AFC Bias Spring	3071948	3071948	3071950				52
53 AFC No Air RPM - PSI	800 - 22	800 - 22	800 - 22	1600 - 77		1600 - 97	53
54 AFC No Air Flow	109	109	195	320		295	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1992 EEC	1992 EEC	1992 AUTO	1986 CONS	1986 CONS	1986 CONS	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTAA 410 EURO 1	NTAA 410 EURO 1	NTE-405	NTA-855-C	NTA-855-P	NTA-855-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPRING, SHAPED PORT AFC ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST THE BOTTOM SCREW TO VALUE UNDER AFC NO-AIR SET.
- (2) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPRING, SHAPED PORT AFC ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST THE BOTTOM SCREW TO VALUE UNDER AFC NO-AIR SET.
- (3) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. SHAPED PORT DUAL SPRING AFC PUMP ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST NO AIR SCREW TO VALUE UNDER AFC NO-AIR SET.
- (4) USE ANTI-RES.HSG. PRESSURISED GEAR PUMP. NOMOGRAM.
- (5) PRESSURISED GEAR PUMP USE WITH EFC GOVERNOR ONLY. NOMOGRAM.
- (6) PRESSURISED GEAR PUMP. NOMOGRAM.

1 Pump Code	SB04-A	SB05-E	SB06-D	SB07-A	SB08-B	SB09-C	
2 Date - Control Parts List	MAY86 - 0583	MAR89 - 0757	SEP88 - 0974	OCT86 - 0553	NOV86 - 0553	MAR89 - 0757	1
3 Test HP @ RPM	340 - 347 @ 1500	465 - 483 @ 1800	343 - 357 @ 2100	304 - 316 @ 2100	284 - 296 @ 2000	465 - 483 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	166 - 184	193 - 213	174 - 192	100 - 110	91 - 101	193 - 213	4
6 Fuel Rate Pound Per Hour	120 - 123	161 - 168	125 - 129	109 - 113	103 - 107	161 - 168	5
7 Intake Manifold Press. in./Hg	33 - 41	51 - 61	41 - 49	31 - 39	28 - 36	51 - 61	6
8 Torque Rise % - Curve			26 -	20 -	22 -		7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1630 - 1650	1915 - 1935	2130 - 2150	2195 - 2215	2130 - 2150	1915 - 1935	10
12 VS/Sec. Gov. Setting-RPM	1530 - 1550			2120 - 2140	2020 - 2040		11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2180 @ 15	2457 @ 15			2180 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	1760 @ 15			2457 @ 15	2340 @ 15		17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1760 @ 15			2457 @ 15	2340 @ 15		18
20 Throttle Leakage-cc - pph	75 -	75 -		110 -	110 -	75 -	19
21 Throttle Travel-Auto. - VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	58 @ 500	53 @ 500		22 @ 500	22 @ 500	53 @ 500	21
23 Idle Speed cc @ RPM-Auto.	230 @ 610	170 @ 650	200 @ 830	240 @ 620	210 @ 600	170 @ 650	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	182 @ 1500	215 @ 1800	198 @ 2100	112 @ 2100	103 @ 2000	215 @ 1800	24
26 Calibration Flow	400	775	540	383	362	775	25
27 Check Point (1) PSI @ RPM			138 - 144 @ 1400	82 - 88 @ 1400	84 - 90 @ 1500		26
28 Check Point (1) Flow			458	326	326		27
29 Check Point (2) PSI @ RPM			77 - 89 @ 1000	45 - 57 @ 1000	41 - 53 @ 1000		28
30 Check Point (2) Flow			350	245	230		29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.840 - 143847	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	10 - 141625	12 - 141626	20 - 141629	50 - 140925	55 - 139619	20 - 141629	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3004753 - .000	3001148 - .000	143253 - .000	3001147 - .000	3004756 - .000	3001148 - .000	36
38 Gear Pump Size In.	.750	1.000	.750	.750	.750	1.000	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3040760	3010810	39
41 Torque Spring - Shims - Gage Height	ON - .000 -		3002053 - .020 -	3002048 - .040 -	3002048 - .000 -		40
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000			109689 - .000	109689 - .000		41
43 VS Gov. Idle Spring	70778			70778	70778		42
44 VS Gov. Weights	163826			163826	163826		43
45 VS Gov. Plunger	AR40230			AR40230	AR40230		44
46 VS Gov. Sleeve	212148			212148	212148		45
47 AFC Barrel & Plunger Assembly							46
48 AFC in./Hg - PSI			3 - 1.4	6 - 2.9	6 - 2.9		47
49 AFC RPM - PSI			1600 - 45	1600 - 52	1600 - 52		48
50 AFC Flow - pph			245	260	260		49
51 AFC Spring - Gage Height-In.			179820 -	179818 -	179818 -		50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI			1600 - 56	1600 - 77	1600 - 60		52
54 AFC No Air Flow			285	320	300		53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1986 GEN	1986 GEN	1986 LOCO	1986 CONS	1986 CONS	1986 GEN	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NT-855-G3	NTA-855-G2	NTA-855-R1	NTA-855-L4	NTA-855-C	NTA-855-G2	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

(1) GUTLESS. PRESSURIZED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. NOMOGRAM.

(2) PRESSURIZED GEAR PUMP ONLY. FOR USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH LARGE HOLE THROTTLE SHAFT FOR USE WITH 1800 RPM GEN-SET ENGINES ONLY.

(3) USE WITH A DRAIN LINE CHECK VALVE IN THE SUPPLY LINE TO AID COLD STARTING. USE WITH MULTIPLE UNIT THROTTLE CONTROL. P1 ORIFICE SIZE .023/BLANK, P2 .027/BLANK, P3 .043/BLANK, P4 .070/BLANK, P5 BLANK USE WITH AIR MANIFOLD CHECK VALVE. USE WITH THROTTLE SHAFT 3006470 ONLY. PRESSURIZED GEAR PUMP.

(4) USE PRESSURIZED GEAR PUMP. NOMOGRAM. AFC GUTLESS. CHECK VALVE CALIBRATION ONLY.

(5) USE PRESSURIZED GEAR PUMP. NOMOGRAM. CHECK VALVE CALIBRATION ONLY. PTG-AFC-VS, TORQUE CONVERTOR.

(6) PRESSURIZED GEAR PUMP ONLY. WITH WOODWARD, BOSCH OR BARBER COLMAN GOVERNO USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH LARGE HOLED THROTTLE SHAFT 3006360. FOR USE WITH 1800 RPM GEN-SET ENGINES ONLY. AFC GUTLESS.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SB10-A - SB15-B

1 Pump Code	SB10-A	SB11-A	SB12-B	SB13-A	SB14-A	SB15-B	1
2 Date - Control Parts List	MAR87 - 0731	DEC92 - 0731	OCT89 - 0365	MAR88 - 0849	MAR88 - 0849	OCT89 - 0365	2
3 Test HP @ RPM	265 - 275 @ 1800	235 - 245 @ 1800	321 - 355 @ 1500	368 - 382 @ 1800	426 - 444 @ 1800	392 - 408 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	96 - 106	81 - 89	97 - 107			147 - 163	5
6 Fuel Rate Pound Per Hour	95 - 99	86 - 90	113 - 117			144 - 150	6
7 Intake Manifold Press. In./Hg	18 - 24	16 - 22	26 - 34			41 - 49	7
8 Torque Rise 96 - Curve	3 -	4 -				15 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1920 - 1940	1920 - 1940	1600 - 1620			2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	1820 - 1840					12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2210 @ 15	1755 @ 15				14
15 Min. Auto. Gov. Check-RPM @ PSI		2070 @ 15					15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2106 @ 15				2335 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	1980 @ 15				2335 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -			110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -			28 -	21
22 Idle Speed PSI @ RPM-Auto.			27 @ 500			28 @ 500	22
23 Idle Speed cc @ RPM-Auto.	100 @ 600	100 @ 600	205 @ 590			205 @ 590	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	108 @ 1800	93 @ 1800	109 @ 1500			162 @ 2100	25
26 Calibration Flow	331	290	370			465	26
27 Check Point (1) PSI @ RPM						122 - 128 @ 1500	27
28 Check Point (1) Flow						395	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	- 143854	- 143854	.750 - 143854			.800 - 143854	33
34 Idle Plunger Code - Part No.	57 - 140926	67 - 141638	30 - 141633	40 - 137370	22 - 141630	20 - 141630	34
35 Fuel Pump Housing		3057808					35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000936 - .000	3000936 - .000	3000941 - .000	3000938 - .000	153237 - .000	3001147 - .000	37
38 Gear Pump Size In.	.750	.750	.750	1.000	1.000	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040760	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	NE - .000 -	NE - .000 -		NONE 0 - .000 -	138794 - .040 -	3002047 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims	70822 - .000	70822 - .000					42
43 VS Gov. Idle Spring	70778	70778					43
44 VS Gov. Weights	163826	163826					44
45 VS Gov. Plunger	AR40230	AR40230					45
46 VS Gov. Sleeve	212148	212148					46
47 AFC Barrel & Plunger Assembly		3036903					47
48 AFC In./Hg - PSI	4 - 1.9	4 - 1.9					48
49 AFC RPM - PSI	1600 - 48	1600 - 40					49
50 AFC Flow - pph	210	180					50
51 AFC Spring - Gage Height-In.	179818 -	179818 -					51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 66	1600 - 60					53
54 AFC No Air Flow	252	225					54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency		1987 MARI	1986 INDP	1986 GEN	1987 GEN		62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NT 855 M	NT 855 M	NTA-855-P	NT-855	NT-855	NTA-855-P	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH CHECK VALVES ONLY PRESSURISED GEAR PUMP
- (2) USE WITH CHECK VALVES ONLY PRESSURISED GEAR PUMP
- (3) PRESSURIZED GEAR PUMP, WITH WOODWARD, BOSCH OR BARBER COLMAN GOVERNO AFC GUTLESS. USE WITH FUEL LINE CHECK VALVES ONLY.
- (4) AFC GUTLESS PRESS GEAR PUMP, GEN SET USE 3038692 FUEL PUMP HOUSING USE WITH EFC GOV ONLY USE WITH CHECK VALVES ONLY MINIMUM GOV OVERCHECK OF 2050 AT 15 PSI
- (5) AFC GUTLESS PRESS GEAR PUMP, GEN SET USE 3038692 FUEL PUMP HOUSING USE WITH EFC GOV ONLY USE WITH CHECK VALVES ONLY MINIMUM GOV OVERCHECK OF 2050 AT 15 PSI
- (6) PRESSURIZED GEAR PUMP; USE WITH ANTI RESONANCE HSG FOR USE WITH CHECK VALVES ONLY FOR USE WITH EFC GOVERNOR ONLY NOMOGRAM

1 Pump Code	SB16-C	SB17-B	SB18-B	SB19-A	SB20-A	SB21-A	1
2 Date - Control Parts List	MAR89 - 0757	DEC87 - 0553	JUN91 - 1205	OCT87 - 0974	SEP89 - 0808	MAR88 - 0849	2
3 Test HP @ RPM	485 - 483 @ 1800	274 - 286 @ 2100	230 - 240 @ 1800	290 - 302 @ 2000	456 - 474 @ 1800	382 - 398 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	193 - 213	83 - 91	80 - 90	136 - 150	180 - 200		5
6 Fuel Rate Pound Per Hour	161 - 168	102 - 106	84 - 88	106 - 110	157 - 163		6
7 Intake Manifold Press. In./Hg	51 - 61	28 - 36	21 - 28	32 - 40	60 - 70		7
8 Torque Rise % - Curve		16 -	17 -	26 -	8 -		8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2000 - 2020	2130 - 2150	1880 - 1910	2030 - 2050	1920 - 1940		11
12 VS/Sec. Gov. Setting-RPM	1915 - 1935		1820 - 1840				12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 15	2457 @ 15		2340 @ 15	2189 @ 15		14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI			1995 @ 40				18
19 Min. VS/Sec. Gov. Check-RPM @ PSI			1869 @ 40				19
20 Throttle Leakage-cc - pph	75 -	110 -	75 -		75 -		20
21 Throttle Travel-Auto. VS, Levr	28 -	28 -		28 -	28 -		21
22 Idle Speed PSI @ RPM-Auto.	53 @ 500	23 @ 500			53 @ 500		22
23 Idle Speed cc @ RPM-Auto.	170 @ 650	150 @ 850			180 @ 580		23
24 VS/Sec. Gov. Idle PSI @ RPM - cc			150 @ 550 @ 550 - 150				24
25 Calibration PSI @ RPM	215 @ 1800	94 @ 2100	92 @ 1800	160 @ 2000	205 @ 1800		25
26 Calibration Flow	775	383	275	464	775		26
27 Check Point (1) PSI @ RPM		54 - 60 @ 1300	64 - 72 @ 1250	100 - 106 @ 1200	175 - 181 @ 1500		27
28 Check Point (1) Flow		290	215	368	725		28
29 Check Point (2) PSI @ RPM			48 - 52 @ 1000				29
30 Check Point (2) Flow			182				30
31 Check Point (3) PSI @ RPM			33 - 37 @ 800				31
32 Check Point (3) Flow			140				32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.796 - 143854	.835 - 143854	.800 - 143854		33
34 Idle Plunger Code - Part No.	20 - 141629	192 - 145956	45 - 138862	20 - 141629	5 - 141623	30 - 141633	34
35 Fuel Pump Housing			3010093				35
36 Auto. Idle Spring	3018767	3018767	144195	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000933 - .000	3000939 - .000	153238 - .130	153238 - .000	143253 - .000	153238 - .000	37
38 Gear Pump Size In.	1.000	.750	.750	.750	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3040760	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height		138782 - .000 -	138789 - .045 - .645	138783 - .060 -	138789 - .000 -	138789 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000		70821 - .000				42
43 VS Gov. Idle Spring	70778		70778				43
44 VS Gov. Weights	163826		163826				44
45 VS Gov. Plunger	AR40230		AR40240				45
46 VS Gov. Sleeve	212148		212148				46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI		6 - 2.9	8 - 3.9	3 - 1.4			48
49 AFC RPM - PSI		1600 - 52	1600 - 52	1600 - 45			49
50 AFC Flow - pph		260	200	245			50
51 AFC Spring - Gage Height-In.		179818 -	179824 -	179820 -			51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI		1600 - 40	1600 - 60	1600 - 78			53
54 AFC No Air Flow		216	220	324			54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1987 GEN	1987 CONS	1987 CONS	1987 LOCO	1987 GEN	1987 GEN	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-G2	NTA-855-C335	NT-855-C	NTA-855-R1	NTA-855-G2	NT-855-G5	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURISED GEAR PUMP ONLY. WITH WOODWARD,BOSCH OR BARBER COLMAN GOVERNO USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH LARGE HOLED THROTTLE SHAFT 3046690. FOR USE WITH 1800 RPM GEN-SET ENGINES ONLY. AFC GUTLESS.
- (2) USE WITH ANTI-RESONANCE HSG. PRESSURIZED GEAR PUMP REQUIRED. FOR USE WITH CHECK VALVES ONLY.
- (3) DIKONA PROTOTYPE: NT-855-C(235). SUITABLE FOR SINGLE LEVER V.S. APPLICATIONS WITH CHECK VALVES ONLY. REF: AUTO GOV SHIMS 0.130".
- (4) PRESSURISED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH MULTIPLE UNIT THROTTLE CONTROL. P1 ORIFICE SIZE .027/BLANK, P2 .034/BLANK, P3 .050/BLANK, P4 .017/BLANK, P5 BLANK USE WITH AIR MANIFOLD CHECK VALVE. USE WITH THROTTLE SHAFT 3006470 ONLY.
- (5) PRESSURIZED GEAR PUMP ONLY FOR USE WITH EFC GOVERNOR ONLY USE WITH FUEL LINE CHECK VALVES ONLY
- (6) PRESSURISED GEAR PUMP. USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH STANDARD SMALL HOLE THROTTLE SHAFT.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SB22-B - SB27-A

1 Pump Code	SB22-B	SB23-B	SB24-B	SB25-A	SB26-A	SB27-A	1
2 Date - Control Parts List	SEP91 - 1183	MAR89 - 1183	MAR89 - 1183	JAN88 - 0731	MAR89 - 1180	MAR88 - 0974	2
3 Test HP @ RPM	420 - 436 @ 1500	420 - 436 @ 1500	420 - 436 @ 1500	265 - 275 @ 1950	280 - 290 @ 2100	333 - 347 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	151 - 167	151 - 167	151 - 167	93 - 103	115 - 127	144 - 160	5
6 Fuel Rate Pound Per Hour	142 - 148	142 - 148	142 - 148	94 - 98	102 - 106	114 - 118	6
7 Intake Manifold Press. In./Hg	39 - 47	39 - 47	39 - 47	23 - 29	39 - 45	32 - 40	7
8 Torque Rise % - Curve					27 -		8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1615 - 1635	1615 - 1635	1700 - 1720	2080 - 2100	2130 - 2150	1850 - 1870	11
12 VS/Sec. Gov. Setting-RPM			1615 - 1635	1970 - 1990			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	1849 @ 15	1849 @ 15			2350 @ 15	2150 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI					2190 @ 15		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI			1849 @ 15	2160 @ 15			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI			1849 @ 15	2160 @ 15			19
20 Throttle Leakage-cc - pph	75 -	75 -	75 -	110 -	75 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	53 @ 500	53 @ 500	53 @ 500	25 @ 500		15 @ 600	22
23 Idle Speed cc @ RPM-Auto.	230 @ 620	230 @ 620	230 @ 620	170 @ 600	200 @ 620	155 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	166 @ 1500	166 @ 1500	166 @ 1500	107 @ 1950	128 @ 2100	159 @ 1800	25
26 Calibration Flow	665	665	665	333	350	424	26
27 Check Point (1) PSI @ RPM				85 - 91 @ 1500	83 - 89 @ 1300	122 - 128 @ 1400	27
28 Check Point (1) Flow				293	275	375	28
29 Check Point (2) PSI @ RPM					48 - 58 @ 1000	70 - 82 @ 1000	29
30 Check Point (2) Flow					210	288	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.790 - 143855	.800 - 143854	33
34 Idle Plunger Code - Part No.	10 - 141625	15 - 139894	12 - 141626	32 - 141634	40 - 137370	22 - 141630	34
35 Fuel Pump Housing					3059585		35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	144195	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000940 - .000	143254 - .000	3001147 - .000	144491 - .000	143253 - .000	153238 - .000	37
38 Gear Pump Size In.	1.000	1.000	1.000	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3040760	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	.00 - .000 -			3002052 - .010 -	139586 - .020 - .670	138787 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims			70821 - .000	109686 - .000			42
43 VS Gov. Idle Spring			70778	70778			43
44 VS Gov. Weights			163826	163826			44
45 VS Gov. Plunger			AR40230	AR40230			45
46 VS Gov. Sleeve			212148	212148			46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with S1589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve					3028325		61
62 Certified Year/Agency	1987 GEN	1987 GEN	1987 GEN	1988 MARI	1988 LOCO	1988 GEN	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA.855.G2	NTA.855.G2	NTA.855-G2	NT-855-M	NT-855-R5	NTA.855.R1	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURISED GEAR PUMP ONLY. FOR USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH LARGE HOLE THROTTLE SHAFT NOMOGRAM.
- (2) PRESSURISED GEAR PUMP ONLY. WITH WOODWARD, BOSCH OR BARBER COLMAN GOVERNO USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH LARGE HOLED THROTTLE SHAFT 3006360.
- (3) PRESSURISED GEAR PUMP ONLY. WITH WOODWARD, BOSCH OR BARBER COLMAN GOVERNO USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH LARGE HOLED THROTTLE SHAFT 3046690.
- (4) USE WITH CHECK VALVES ONLY PRESSURIZED GEAR PUMP AFC GUTLESS
- (5) CODE TO BE USED WITH MULTIPLE UNIT THROTTLE CONTROL. USE WITH FUEL LINE CHECK VALVES ONLY. PRESSURIZED GEAR PUMP, PTG-AUTO-AFC-GUTLESS. P1 ORIFICE SIZE .024"/BLANK, P2 .027"/BLANK, P3 .044"/BLANK, P4 .070"/BLANK, P5 BLANK.
- (6) PRESSURIZED GEAR PUMP ONLY. FOR USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. PTG-EFC-AUTO.

1 Pump Code	SB28-B	SB29-B	SB30-A	SB31-A	SB32-A	SB33-A	1
2 Date - Control Parts List	DEC91 - 0849	FEB90 - 0849	MAR88 - 0849	JUN88 - 0413	OCT89 - 0365	APR89 - 0908	2
3 Test HP @ RPM	368 - 382 @ 1800	426 - 444 @ 1800	382 - 398 @ 1800	216 - 224 @ 2100	343 - 357 @ 2100	412 - 428 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	142 - 158	197 - 217	153 - 169	158 - 174	106 - 118	138 - 152	5
6 Fuel Rate Pound Per Hour	128 - 134	149 - 155	133 - 139	86 - 90	121 - 126	149 - 155	6
7 Intake Manifold Press. In./Hg	50 - 60	62 - 72	53 - 63		28 - 36	40 - 48	7
8 Torque Rise % - Curve				17 -	15 -	16 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	1930 - 1950	1930 - 1950	2130 - 2150	2130 - 2150	2230 - 2250	11
12 VS/Sec. Gov. Setting-RPM						2130 - 2150	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 15	2200 @ 15	2200 @ 15	2457 @ 15	2457 @ 15		14
15 Min. Auto. Gov. Check-RPM @ PSI	2026 @ 15	2033 @ 15	2090 @ 15				15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI						2457 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI						2457 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -		110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	170 @ 650	170 @ 650	170 @ 650	170 @ 650	155 @ 600	175 @ 470	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	157 @ 1800	216 @ 1800	169 @ 1800	166 @ 2100	151 @ 2100	147 @ 2100	25
26 Calibration Flow	500	575	512	352	392	640	26
27 Check Point (1) PSI @ RPM	121 - 127 @ 1500	187 - 193 @ 1500	141 - 147 @ 1500	114 - 120 @ 1500	110 - 116 @ 1500	95 - 101 @ 1400	27
28 Check Point (1) Flow	445	535	480	290	337	525	28
29 Check Point (2) PSI @ RPM				55 - 67 @ 1000	60 - 72 @ 1000	49 - 61 @ 1000	29
30 Check Point (2) Flow				205	250	396	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.850 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	30 - 141633	05 - 141623	20 - 141629	40 - 137370	45 - 138862	40 - 137370	34
35 Fuel Pump Housing	3060173	3060173					35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153236 - .000	143253 - .000	153236 - .000	153236 - .000	143252 - .000	143251 - .000	37
38 Gear Pump Size In.	1.000	1.000	1.000	.430	.750	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3040760	40
41 Torque Spring - Shims - Gage Height	142701 - .040 - .640	138800 - .040 - .590	138790 - .030 - .630	138788 - .020 -	138789 - .040 -	138781 - .030 -	41
42 VS Gov. Max. Spring - Ref. Shims						109687 - .000	42
43 VS Gov. Idle Spring						70778	43
44 VS Gov. Weights						163826	44
45 VS Gov. Plunger						AR40230	45
46 VS Gov. Sleeve						212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI					5 - 2.4	8 - 3.9	48
49 AFC RPM - PSI					1600 - 83	1600 - 43	49
50 AFC Flow - pph					295	308	50
51 AFC Spring - Gage Height-In.					179820 -	179834 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI					1600 - 55	1600 - 66	53
54 AFC No Air Flow					230	380	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly	3063504	3063504					59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	3028325	3028325					61
62 Certified Year/Agency	1988 GEN	1988 GEN	1988 GEN	1988 CONS	1988 LOCO	1988 CONS	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NT.855.G4	NT.855.G6	NT.855.G5	N.855.C	NTA-855-R	NTA-855-C45D	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) AFC GUTLESS USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. PRESSURIZED GEAR PUMP ONLY. USE WITH STD SMALL HOLE THROTTLE SHAFT. NOT TO BE USED WITH INJECTOR P/N'S 3024147 O 3054233.
- (2) AFC GUTLESS. USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. PRESSURIZED GEAR PUMP. USE WITH STD SMALL HOLE THROTTLE SHAFT. NOT TO BE USED WITH INJECTOR P/N'S 3024147 O 3054233.
- (3) PRESSURIZED GEAR PUMP. USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH STANDARD SMALL HOLE THROTTLE SHAFT. AFC GUTLESS. NOT TO BE USED WITH INJECTOR P/N'S 3024147 O 3054233.
- (4) USE PRESSURIZED GEAR PUMP. AFC GUTLESS. USE WITH ANTI-RESONANCE HSG.
- (5) PRESSURIZED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH MULTIPLE UNIT THROTTLE CONTROL. P1 ORIFICE SIZE .024/BLANK, P2 .030/BLANK P3 .044/BLANK, P4 .070/BLANK, P5 BLANK USE WITH AIR MANIFOLD CHECK VALVE. USE WITH THROTTLE SHAFT 3006470 ONLY.
- (6) USE WITH ANTI-RESONANCE HSG. PRESSURIZED GEAR PUMP ONLY. USE ONLY ON ENGINES WITH STC.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SB34-B - SB39-B

1 Pump Code	SB34-B	SB35-B	SB36-A	SB37-B	SB38-A	SB39-B	
2 Date - Control Parts List	SEP88 - 0974	SEP88 - 0974	NOV88 - 0849	SEP90 - 0991	OCT88 - 0991	JUN91 - 0991	2
3 Test HP @ RPM	338 - 352 @ 2000	319 - 332 @ 2000	340 - 354 @ 1500	465 - 483 @ 1800	465 - 483 @ 1800	465 - 483 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	161 - 178	151 - 157	129 - 143	165 - 183	165 - 183	165 - 183	5
6 Fuel Rate Pound Per Hour	121 - 126	112 - 116	116 - 121	161 - 167	161 - 168	161 - 168	6
7 Intake Manifold Press. In./Hg	38 - 46	36 - 44	32 - 40	48 - 56	48 - 56	48 - 56	7
8 Torque Rise % - Curve	26 -	26 -		8 -	8 -	8 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2030 - 2050	2030 - 2050	1580 - 1600	1930 - 1950	1930 - 1950	2020 - 2040	11
12 VS/Sec. Gov. Setting-RPM						1915 - 1935	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2340 @ 15	2340 @ 15	1820 @ 15	2200 @ 15	2200 @ 15		14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI						2200 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI						2075 @ 15	19
20 Throttle Leakage-cc - pph			110 -	75 -	75 -	75 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.				54 @ 500	54 @ 500	54 @ 500	22
23 Idle Speed cc @ RPM-Auto.	200 @ 650	200 @ 650	140 @ 600	210 @ 520	210 @ 520	210 @ 520	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc						@ 520 - 210	24
25 Calibration PSI @ RPM	195 @ 2000	195 @ 2000	146 @ 1500	190 @ 1800	190 @ 1800	190 @ 1800	25
26 Calibration Flow	495	495	438	680	680	680	26
27 Check Point (1) PSI @ RPM	118 - 121 @ 1200	118 - 124 @ 1200		171 - 177 @ 1500	171 - 177 @ 1500	171 - 177 @ 1500	27
28 Check Point (1) Flow	374	386		655	655	655	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	15 - 139894	17 - 140417	17 - 140417	7 - 141624	7 - 141624	5 - 141623	34
35 Fuel Pump Housing						3279633	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	153238 - .000	153235 - .000	3053102 - .000	3051817 - .000	3053106 - .125	37
38 Gear Pump Size In.	.750	.750	1.000	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138782 - .060 -	138783 - .050 -	142701 - .040 -	138782 - .020 -	3002054 - .060 -	3002056 - .060 - .660	41
42 VS Gov. Max. Spring - Ref. Shims						70821 - .000	42
43 VS Gov. Idle Spring						70778	43
44 VS Gov. Weights						163826	44
45 VS Gov. Plunger						AR40230	45
46 VS Gov. Sleeve						212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	3 - 1.4	3 - 1.4					48
49 AFC RPM - PSI	1600 - 45	1600 - 45					49
50 AFC Flow - pph	245	245					50
51 AFC Spring - Gage Height-In.	179820 -	179820 -					51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 78	1600 - 78					53
54 AFC No Air Flow	324	324					54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency			1988 GEN	1999 GEN	1988 GEN	1988 GEN	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-R1	NTA-855-R1	NT-855-G5	NTA-855-G2	NTA-855-G2	NTA-855-G2	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURISED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH MULTIPLE UNIT THROTTLE CONTROL. P1 ORIFICE SIZE .027/BLANK, P2 .035/BLANK P3 ORIFICE SIZE .057/BLANK, P4 .024/BLANK USE WITH AIR MANIFOLD CHECK VALVE. USE WITH THROTTLE SHAFT 3006470 ONLY.
- (2) PRESSURISED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH MULTIPLE UNIT THROTTLE CONTROL. P1 ORIFICE SIZE 0.025/BLANK, P2 0.034/BLANK P3 0.057/BLANK, P4 0.023/BLANK, P5 BLANK USE WITH AIR MANIFOLD CHECK VALVE. USE WITH THROTTLE SHAFT 3006470 ONLY.
- (3) PRESSURISED GEAR PUMP. USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH STANDARD SMALL HOLE THROTTLE SHAFT. NOT TO BE USED WITH INJECTOR P/N'S 3024147 O 3054233.
- (4) PRESSURISED GEAR PUMP ONLY. FOR USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH LARGE HOLE THROTTLE SHAFT
- (5) PRESSURISED GEAR PUMP ONLY. WITH WOODWARD, BOSCH OR BARBER COLMAN GOVERNO USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH LARGE HOLED THROTTLE SHAFT 3006360. AFC GUTLESS.
- (6) PRESSURISED GEAR PUMP ONLY. WITH WOODWARD, BOSCH OR BARBER COLMAN GOVERNO USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH LARGE HOLED THROTTLE SHAFT 3046690. AFC GUTLESS. REF: GOV SHIMS 0.125".

1 Pump Code	SB40-A	SB41-A	SB42-A	SB43-A	SB44-B	SB45-A	1
2 Date - Control Parts List	NOV88 - 0849	JUN92 - 0583	DEC88 - 0554	DEC88 - 0554	JUL89 - 1204	JAN89 - 1204	2
3 Test HP @ RPM	368 - 382 @ 1800	272 - 284 @ 1800	353 - 367 @ 1800	323 - 337 @ 1800	343 - 357 @ 2100	274 - 286 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	149 - 165	115 - 127	120 - 132	106 - 118	118 - 130	86 - 96	5
6 Fuel Rate Pound Per Hour	128 - 134	97 - 101	121 - 126	112 - 116	122 - 127	100 - 104	6
7 Intake Manifold Press. In./Hg	50 - 60	26 - 34	33 - 41	30 - 38	38 - 46	31 - 39	7
8 Torque Rise % - Curve			9 -	8 -	23 -	16 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	2000 - 2020	1900 - 1920	1920 - 1940	2210 - 2230	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM		1930 - 1950	1830 - 1850	1820 - 1840	2130 - 2150		12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 15					2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI						2217 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2223 @ 15	2106 @ 15	1980 @ 15	2457 @ 15		18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2223 @ 15	2106 @ 15	1980 @ 15	2457 @ 15		19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	15 @ 600	15 @ 600	32 @ 500	38 @ 500	27 @ 500	33 @ 500	22
23 Idle Speed cc @ RPM-Auto.	140 @ 600	190 @ 600	170 @ 650	185 @ 800	240 @ 620	150 @ 850	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	164 @ 1800	128 @ 1800	134 @ 1800	121 @ 1800	136 @ 2100	94 @ 2100	25
26 Calibration Flow	475	347	442	411	426	383	26
27 Check Point (1) PSI @ RPM	127 - 133 @ 1500	100 - 106 @ 1500	107 - 113 @ 1400	93 - 99 @ 1400	96 - 102 @ 1400	54 - 60 @ 1300	27
28 Check Point (1) Flow	421	309	396	365	350	290	28
29 Check Point (2) PSI @ RPM			61 - 73 @ 1000	58 - 70 @ 1000	50 - 56 @ 1000		29
30 Check Point (2) Flow			307	293	243		30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	30 - 141633	52 - 139618	32 - 141634	32 - 141634	37 - 140418	192 - 145956	34
35 Fuel Pump Housing						3060697	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	144195	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153236 - .000	153236 - .000	143253 - .000	153237 - .000	143253 - .000	3000939 - .000	37
38 Gear Pump Size In.	1.000	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3040760	3040760	40
41 Torque Spring - Shims - Gage Height	142701 - .040 -	138769 - .000 -	138788 - .020 -	138790 - .030 -	139586 - .050 -	138782 - .000 - .650	41
42 VS Gov. Max. Spring - Ref. Shims		70821 - .000	70822 - .000	101002 - .000	109687 - .000		42
43 VS Gov. Idle Spring		70778	70778	70778	70778		43
44 VS Gov. Weights		163826	163826	163826	163826		44
45 VS Gov. Plunger		AR40230	AR40230	AR40230	AR40230		45
46 VS Gov. Sleeve		212148	212148	212148	212148		46
47 AFC Barrel & Plunger Assembly						3031298	47
48 AFC In./Hg - PSI			6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	48
49 AFC RPM - PSI			1600 - 64	1600 - 64	1400 - 45	1400 - 45	49
50 AFC Flow - pph			275	275	240	240	50
51 AFC Spring - Gage Height-In.			179818 -	179818 -	179818 -	179818 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI			1600 - 82	1600 - 82	1400 - 64	1400 - 55	53
54 AFC No Air Flow			330	330	297	272	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1988 GEN	1988 GEN	1988 CONS	1988 CONS	1989 CONS	1989 CONS	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NT.855.G4	NT.855-G1	NTA.855-C	NTA.855-C	NTA.855-A-01	NTA.855.G335	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP ONLY. USE WITH EFC GOVERNOR ONLY. USE WITH STD SMALL HOLE THROTTLE SHAFT. NOT TO BE USED WITH INJECTOR P/N'S 3024147 O 3054233.
- (2) FOR USE WITH WOODWARD, BOSCH, OR BARBER COLEMAN GOVERNORS. USE WITH OR WITHOUT FUEL LINE CHECK VALVES. AFC GUTLESS. USE PRESSURISED GEAR PUMP.
- (3) PRESSURISED GEAR PUMP ONLY. USE WITH FUEL LINE CHECK VALVES ONLY.
- (4) PRESSURISED GEAR PUMP ONLY. USE WITH FUEL LINE CHECK VALVES ONLY SPECIAL HIGH IDLE - 1980 RPM MAX.
- (5) USE WITH FUEL LINE CHECK VALVES ONLY. PRESSURISED GEAR PUMP REQUIRED.
- (6) USE WITH ANTI-RESONANCE HSG. PRESSURIZED GEAR PUMP REQUIRED. FOR USE WITH FUEL LINE CHECK VALVES ONLY.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SB46-B - SB52-A

1 Pump Code	SB46-B	SB47-B	SB48-A	SB49-B	SB51-A	SB52-A	1
2 Date - Control Parts List	JUL89 - 1204	JUL89 - 1204	JAN89 - 1204	JUL89 - 1204	MAR89 - 0849	MAR89 - 0991	2
3 Test HP @ RPM	304 - 316 @ 2100	304 - 316 @ 2100	284 - 296 @ 2000	284 - 296 @ 1900	426 - 444 @ 1800	465 - 483 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	99 - 109	99 - 109	89 - 99	87 - 97	196 - 216	166 - 184	5
6 Fuel Rate Pound Per Hour	110 - 114	110 - 114	102 - 106	100 - 104	149 - 155	161 - 167	6
7 Intake Manifold Press. In./Hg	34 - 42	34 - 42	29 - 37	27 - 35	60 - 70	48 - 56	7
8 Torque Rise % - Curve	20 -	20 -	22 -	12 -			8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2130 - 2150	2020 - 2040	1930 - 1950	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM			2020 - 2040	1920 - 1940			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15			2223 @ 15	2223 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2310 @ 15						15
16 AS Gov. Setting-PSI @ RPM							16
17 Low AS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2340 @ 15	2457 @ 15			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2340 @ 15	2457 @ 15			19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	75 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	27 @ 500	29 @ 500	27 @ 500	27 @ 500		54 @ 500	22
23 Idle Speed cc @ RPM-Auto.	210 @ 625	210 @ 640	210 @ 600	210 @ 625	170 @ 650	160 @ 550	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	110 @ 2100	112 @ 2100	103 @ 2000	101 @ 1900	207 @ 1800	175 @ 1800	25
26 Calibration Flow	385	385	362	357	550	715	26
27 Check Point (1) PSI @ RPM	77 - 83 @ 1400	77 - 83 @ 1400	84 - 90 @ 1500	74 - 80 @ 1400	181 - 187 @ 1500	152 - 158 @ 1500	27
28 Check Point (1) Flow	312	312	326	301	518	677	28
29 Check Point (2) PSI @ RPM	47 - 55 @ 1000	40 - 52 @ 1000	41 - 53 @ 1000	38 - 50 @ 1000			29
30 Check Point (2) Flow	232	242	230	177			30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.840 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	57 - 140926	60 - 140927	55 - 139619	57 - 140926	10 - 141625	15 - 139894	34
35 Fuel Pump Housing	3060695						35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	143252 - .000	3004756 - .000	153236 - .000	143253 - .000	3004756 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040760	3040760	3040760	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	3002048 - .000 - .650	138784 - .030 -	3002048 - .000 -	138790 - .040 -	138801 - .040 -	138800 - .040 -	41
42 VS Gov. Max. Spring - Ref. Shims			109689 - .000	109689 - .000			42
43 VS Gov. Idle Spring			70778	70778			43
44 VS Gov. Weights			163826	163826			44
45 VS Gov. Plunger			AR40230	AR40230			45
46 VS Gov. Sleeve			212148	212148			46
47 AFC Barrel & Plunger Assembly	3031298						47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9			48
49 AFC RPM - PSI	1400 - 45	1400 - 45	1400 - 45	1400 - 45			49
50 AFC Flow - pph	240	240	240	240			50
51 AFC Spring - Gage Height-In.	179818 -	179818 -	179818 -	179818 -			51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1400 - 64	1400 - 64	1400 - 64	1400 - 64			53
54 AFC No Air Flow	297	297	297	297			54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	3028325						61
62 Certified Year/Agency	1989 CONS	1989 CONS	1989 CONS	1989 CONS	1989 GEN	1989 GEN	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-C310	NTA-855-C	NTA-855-C	NTA-855-C	NT.855.G6	NTA.855.G2	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE ANTI-RESONANCE HSG. PRESSURISED GEAR PUMP REQUIRED. USE WITH FUEL LINE CHECK VALVES ONLY.
- (2) USE ANTI-RESONANCE HSG. PRESSURISED GEAR PUMP REQUIRED. USE WITH FUEL LINE CHECK VALVES ONLY.
- (3) PRESSURISED GEAR PUMP REQUIRED. USE WITH FUEL LINE CHECK VALVES ONLY. PTG-AFC-VS, TORQUE CONVERTOR.
- (4) USE WITH ANTI-RESONANCE HSG. PRESSURISED GEAR PUMP REQUIRED. USE WITH FUEL LINE CHECK VALVES ONLY.
- (5) AFC GUTLESS. USE WITH EFC GOVERNOR ONLY. PRESSURIZED GEAR PUMP REQUIRED. USE WITH STD SMALL HOLE THROTTLE SHAFT. NOT TO BE USED WITH INJECTOR P/N'S 3024147 & 3054233.
- (6) PRESSURISED GEAR PUMP ONLY. FOR USE WITH EFC GOVERNOR ONLY. USE WITH LARGE HOLE THROTTLE SHAFT.

1 Pump Code	SB53-A	SB54-A	SB55-A	SB56-A	SB57-B	SB58-A	1
2 Date - Control Parts List	MAR89 - 0849	JUL89 - 1204	JUL89 - 1204	JUL89 - 0731	OCT92 - 0991	SEP89 - 0991	2
3 Test HP @ RPM	382 - 398 @ 1800	304 - 316 @ 2100	328 - 342 @ 2100	191 - 199 @ 1800	535 - 557 @ 1800	535 - 557 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	166 - 184	94 - 104	105 - 115	61 - 67	212 - 234	212 - 234	5
6 Fuel Rate Pound Per Hour	133 - 139	107 - 111	116 - 120	70 - 74	188 - 196	188 - 196	6
7 Intake Manifold Press. in./Hg	53 - 63	31 - 39	31 - 39	12 - 18	57 - 67	57 - 67	7
8 Torque Rise % - Curve		20 -	20 -	6 -	3 -	3 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	2130 - 2150	2130 - 2150	1920 - 1940	1930 - 1950	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM				1820 - 1840			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2457 @ 15	2457 @ 15		2200 @ 15	2200 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI					2000 @ 15		15
16 AS Gov. Setting-PSI @ RPM							16
17 Low AS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2106 @ 15			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2106 @ 15			19
20 Throttle Leakage-cc - pph	110 -	110 -		110 -	75 -	75 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -		28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.		27 @ 500	43 @ 500		54 @ 500	54 @ 500	22
23 Idle Speed cc @ RPM-Auto.	170 @ 650	175 @ 520	240 @ 620	100 @ 600	170 @ 580	170 @ 580	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	175 @ 1800	103 @ 2100	141 @ 2100	70 @ 1800	240 @ 1800	237 @ 1800	25
26 Calibration Flow	450	376	451	247	758	753	26
27 Check Point (1) PSI @ RPM	148 - 154 @ 1500	70 - 76 @ 1400	98 - 104 @ 1400		199 - 205 @ 1500	196 - 202 @ 1500	27
28 Check Point (1) Flow	417	313	379		693	688	28
29 Check Point (2) PSI @ RPM		36 - 48 @ 1000	52 - 64 @ 1000				29
30 Check Point (2) Flow		234	286				30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.830 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141623	62 - 141636	37 - 140418	177 - 145947	5 - 141623	5 - 141623	34
35 Fuel Pump Housing					3278924		35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	143253 - .000	153237 - .000	3000936 - .000	3004756 - .000	3001147 - .000	37
38 Gear Pump Size in.	1.000	.750	.750	.750	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3040760	3040760	3040760	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138790 - .030 -	139588 - .010 -	139585 - .000 -	NE - .000 -	3053165 - .040 - .540	3053161 - .040 -	41
42 VS Gov. Max. Spring - Ref. Shims				70822 - .000			42
43 VS Gov. Idle Spring				70778			43
44 VS Gov. Weights				163826			44
45 VS Gov. Plunger				AR40230			45
46 VS Gov. Sleeve				212148			46
47 AFC Barrel & Plunger Assembly							47
48 AFC in./Hg - PSI		6 - 2.9	6 - 2.9	4 - 1.9			48
49 AFC RPM - PSI		1400 - 45	1600 - 52	1600 - 44			49
50 AFC Flow - pph		240	260	190			50
51 AFC Spring - Gage Height-In.		179818 -	179818 -	179818 -			51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI		1400 - 65	1600 - 77	1600 - 55			53
54 AFC No Air Flow		293	320	215			54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly					3063505		59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve					3028325		61
62 Certified Year/Agency	1989 GEN				1999 GEN	1999 GEN	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NT-855-G5	NTA-855-C310	NTA-855-L4	NT-855-M	NTA-855-G3	NTA-855-G3	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) AFC GUTLESS. USE WITH EFC GOVERNOR ONLY. PRESSURIZED GEAR PUMP REQUIRED. USE WITH STANDARD SMALL HOLE THROTTLE SHAFT. NOT TO BE USED WITH INJECTOR P/N'S 3024147 0 3054233.
- (2) USE ANTI-RESONANCE HSG. PRESSURIZED GEAR PUMP REQUIRED.
- (3) USE PRESSURIZED GEAR PUMP. USE WITH MULTIPLE UNIT THROTTLE CONTROL. P1 ORIFICE SIZE .021/BLANK, P2 .027/BLANK P3 .038/BLANK, P4 .048/BLANK, P5 BLANK.
- (4) USE WITH CHECK VALVES ONLY PRESSURIZED GEAR PUMP USE CLASS FIT AFC BARREL AND PLUNGER
- (5) PRESSURIZED GEAR PUMP ONLY. FOR USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH LARGE HOLE THROTTLE SHAFT
- (6) PRESSURIZED GEAR PUMP ONLY. FOR USE WITH EFC GOVERNOR ONLY. USE WITH LARGE HOLE THROTTLE SHAFT.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SB59-C - SB65-A

1 Pump Code	SB59-C	SB61-D	SB62-A	SB63-A	SB64-B	SB65-A	1
2 Date - Control Parts List	OCT92 - 0974	MAR93 - 0974	MAR92 - 1193	SEP89 - 1193	JUN92 - 0974	OCT92 - 0991	2
3 Test HP @ RPM	240 - 250 @ 2000	338 - 352 @ 2000	441 - 459 @ 2100	441 - 459 @ 2100	319 - 332 @ 2000	535 - 557 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	103 - 113	161 - 178	163 - 181	163 - 181	142 - 158	212 - 234	5
6 Fuel Rate Pound Per Hour	89 - 93	121 - 126	159 - 165	159 - 165	112 - 116	188 - 196	6
7 Intake Manifold Press. In./Hg	27 - 33	38 - 46	47 - 57	47 - 57	36 - 44	57 - 67	7
8 Torque Rise % - Curve	35 -	26 -	20 -	20 -	26 -	3 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2030 - 2050	2030 - 2050	2195 - 2215	2130 - 2150	2030 - 2050	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM			2120 - 2140				12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2340 @ 15	2340 @ 15	2530 @ 15	2457 @ 15	2340 @ 15	2200 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2180 @ 15	2120 @ 15	2370 @ 15		1180 @ 15		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2480 @ 15				18
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2310 @ 15				19
20 Throttle Leakage-cc - pph			110 -	110 -		75 -	20
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.			28 @ 500	28 @ 500		54 @ 500	22
23 Idle Speed cc @ RPM-Auto.	200 @ 650	165 @ 650	155 @ 630	155 @ 630	200 @ 650	170 @ 580	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc			@ 630 - 155				24
25 Calibration PSI @ RPM	138 @ 2000	184 @ 2000	182 @ 2100	190 @ 2100	165 @ 2000	227 @ 1800	25
26 Calibration Flow	350	490	693	635	460	758	26
27 Check Point (1) PSI @ RPM	88 - 94 @ 1200	104 - 110 @ 1200	119 - 125 @ 1400	123 - 129 @ 1400	98 - 104 @ 1200	194 - 200 @ 1500	27
28 Check Point (1) Flow	285	380	555	520	380	703	28
29 Check Point (2) PSI @ RPM	64 - 70 @ 1000	78 - 90 @ 1000	64 - 76 @ 1000	66 - 78 @ 1000	71 - 83 @ 1000		29
30 Check Point (2) Flow	240	330	433	400	310		30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	32 - 141634	17 - 140417	25 - 141631	22 - 141630	15 - 139894	7 - 141624	34
35 Fuel Pump Housing	3279531	3279531	3038668		3279531		35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143254 - .140	153238 - .000	143251 - .000	153237 - .000	153238 - .000	143253 - .000	37
38 Gear Pump Size In.	.750	.750	1.000	1.000	.750	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3040760	3040760	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	139588 - .045 - .645	138782 - .020 - .670	3002053 - .000 - .610	138780 - .050 -	138782 - .060 - .710	138791 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims			70822 - .000				42
43 VS Gov. Idle Spring			153240				43
44 VS Gov. Weights			163826				44
45 VS Gov. Plunger			AR40230				45
46 VS Gov. Sleeve			212148	212148			46
47 AFC Barrel & Plunger Assembly	3058944	3058944	3031298		3058944		47
48 AFC In./Hg - PSI			8 - 3.9				48
49 AFC RPM - PSI	1600 - 65	1600 - 55	1400 - 36		1600 - 53		49
50 AFC Flow - pph	236	256	276		256		50
51 AFC Spring - Gage Height-In.	179820 -	179820 -	179834 -		179820 -		51
52 AFC Bias Spring	3051070	3056073			3056073		52
53 AFC No Air RPM - PSI	1600 - 68	1600 - 58	1400 - 62		1600 - 56		53
54 AFC No Air Flow	245	265	342		265		54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	3028325	3028324	3028325				61
62 Certified Year/Agency	1989 LOCO	1989 LOCO			1989 LOCO		62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-R1	NTA-855-R1	NTA-855-C-450	NTA-855-P-450	NTA-855-R1	NTA-855-G3	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURISED GEAR PUMP. USE DRAIN LINE CHECK VALVE IN SUPPLY LINE. DUAL SPRING AFC. BIAS SPRING # 3051070 25 IN/LB RED/GREEN. ADJUST AFC SET SCREW(TOP SCREW) TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY SCREW(BOTTOM SCREW) TO VALUE UNDER AFC NO-AIR SET. USE WITH THROTTLE SHAFT 3006470 ONLY. REF: AUTO GOV SHIMS 0.140".
- (2) PRESSURISED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH MULTIPLE UNIT THROTTLE CONTROL. DUAL SPRING AFC PUMP. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. USE WITH THROTTLE SHAFT 3006470 ONLY.
- (3) USE WITH FUEL LINE CHECK VALVE ONLY. 1 INCH PRESSURISED GEAR PUMP REQUIRED. PTG-AFC-VS.
- (4) USE WITH FUEL LINE CHECK VALVE ONLY. USE ANTI-RESONANCE HSG. 1 INCH PRESSURISED GEAR PUMP REQUIRED. PTG-EFC-AUTO.
- (5) PRESSURISED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH MULTIPLE UNIT THROTTLE CONTROL. DUAL SPRING AFC PUMP. BIAS SPRING # 3056073 15 IN/LB RED/WHITE. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. USE WITH THROTTLE SHAFT 3006470 ONLY.
- (6) 1" PRESSURISED GEAR PUMP REQUIRED. FOR USE WITH WOOD/BOSCH/BARBER COL. GOV. ONL USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH LARGE HOLE THROTTLE SHAFT USE ANTI-RESONANCE HSG.

1 Pump Code	SB66-A	SB67-A	SB68-A	SB69-B	SB70-C	SB71-A	
2 Date - Control Parts List	OCT89 - 0463	OCT89 - 0463	OCT89 - 1204	JUN92 - 1315	OCT92 - 1315	OCT89 - 0905	1
3 Test HP @ RPM	314 - 326 @ 1800*	328 - 342 @ 2100	304 - 316 @ 2100	387 - 403 @ 1900	406 - 422 @ 2000	353 - 367 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	126 - 140	148 - 166	105 - 115	169 - 187	176 - 194	161 - 177	4
6 Fuel Rate Pound Per Hour	109 - 113	120 - 124	110 - 114	133 - 139	142 - 148	116 - 120	5
7 Intake Manifold Press. In./Hg	29 - 35	36 - 44	33 - 41	40 - 48	43 - 51	30 - 38	6
8 Torque Rise % - Curve		20 -	20 -	12 -	12 -	18 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1850 - 1870	2130 - 2150	2195 - 2215	1930 - 1950	2030 - 2050	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM			2120 - 2140				11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	1950 @ 15	2457 @ 15		2223 @ 15	2340 @ 15	2223 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI				2090 @ 15			14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2457 @ 15				17
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2457 @ 15				18
20 Throttle Leakage-cc - pph	110 -		110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.			27 @ 500				21
23 Idle Speed cc @ RPM-Auto.	220 @ 600	200 @ 620	240 @ 640	200 @ 750	200 @ 750	190 @ 620	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	141 @ 1800	184 @ 2100	117 @ 2100	208 @ 1900	224 @ 2000	172 @ 1900	24
26 Calibration Flow	352	400	393	700	775	376	25
27 Check Point (1) PSI @ RPM	109 - 115 @ 1500	137 - 143 @ 1500	82 - 88 @ 1400	121 - 127 @ 1200	121 - 127 @ 1200	126 - 132 @ 1300	26
28 Check Point (1) Flow	314	345	345	540	570	327	27
29 Check Point (2) PSI @ RPM		64 - 76 @ 1000		89 - 99 @ 1000	89 - 99 @ 1000	82 - 94 @ 1000	28
30 Check Point (2) Flow		240		485	495	272	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.830 - 143847	.750 - 143855	.800 - 143854	.780 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	45 - 138862	35 - 140922	52 - 139618	10 - 141625	10 - 141625	15 - 139894	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143252 - .000	143253 - .000	153236 - .000	153232 - .000	153232 - .000	153238 - .000	36
38 Gear Pump Size In.	.750	.750	.750	1.000	1.000	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3040760	3010810	3010810	3040760	39
41 Torque Spring - Shims - Gage Height		139587 - .000 -	3053165 - .075 -	138769 - .030 - .680	138766 - .050 - .650	138802 - .045 -	40
42 VS Gov. Max. Spring - Ref. Shims			109687 - .000				41
43 VS Gov. Idle Spring			153240				42
44 VS Gov. Weights			163826				43
45 VS Gov. Plunger			AR40230				44
46 VS Gov. Sleeve			212148				45
47 AFC Barrel & Plunger Assembly				3058944			46
48 AFC In./Hg - PSI			6 - 2.9			4 - 1.9	47
49 AFC RPM - PSI			1400 - 45	1600 - 42	1600 - 40	1600 - 25	48
50 AFC Flow - pph			240	316	331	134	49
51 AFC Spring - Gage Height-In.			179818 -	179828 -	179828 -	179822 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI			1400 - 64	1600 - 45	1600 - 43	1600 - 127	52
54 AFC No Air Flow			297	325	340	326	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1983 LOCO	1989 LOCO		1989 LOCO	1989 LOCO	1989 AUST	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NT-855-R4	NT-855-R4	NTA-855-C	NTA-855-R4	NTA-855-R4	NTC-350	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) FOR USE WITH WOODWARD, BOSCH, OR BARBER COLEMAN GOVERNORS. AFC GUTLESS PRESSURIZED GEAR PUMP.
- (2) CODE TO BE USED WITH MULTIPLE UNIT THROTTLE CONTROL. USE WITH FUEL LINE CHECK VALVE ONLY. AFC GUTLESS. PRESSURIZED GEAR PUMP. USE WITH THROTTLE SHAFT 3006470 ONLY.
- (3) USE ANTI RESONANCE HOUSING MIN GOV CHECK 2289 RPM AT 15 PSI PRESSURIZED GEAR PUMP REQUIRED USE WITH FUEL LINE CHECK VALVES ONLY
- (4) PRESSURIZED GEAR PUMP. DUAL SPRING AFC. USE WITH THROTTLE SHAFT 3006470. BIAS SPRING # 3056072 10 IN/LB BLUE/WHITE. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (5) PRESSURIZED GEAR PUMP. DUAL SPRING AFC. USE WITH THROTTLE SHAFT 3006470. BIAS SPRING # 3056072 10 IN/LB BLUE/WHITE. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (6) PRESSURIZED GEAR PUMP REQUIRED USE A 3068106 HOUSING USE CLASS-FIT AFC ASSEMBLY PT PACER ONLY

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SB72-A - SB77-A

1 Pump Code	SB72-A	SB73-A	SB74-B	SB75-C	SB76-A	SB77-A	
2 Date - Control Parts List	NOV89 - 0904	0CT89 - 0904	FEB90 - 0904	DEC92 - 0903	MAY91 - 1193	DEC89 - 1193	2
3 Test HP @ RPM	363 - 377 @ 2000	363 - 370 @ 2000	392 - 408 @ 1900	435 - 453 @ 2100	421 - 439 @ 2100	365 - 379 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	150 - 166	150 - 166	166 - 184	199 - 221	156 - 170	118 - 130	5
6 Fuel Rate Pound Per Hour	123 - 129	123 - 129	131 - 137	153 - 159	153 - 159	128 - 134	6
7 Intake Manifold Press. In./Hg	32 - 40	32 - 40	34 - 42	40 - 48	43 - 51	36 - 44	7
8 Torque Rise % - Curve	36 -	36 -	20 -	26 -	30 -	6 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2030 - 2050	2030 - 2050	1930 - 1950	2130 - 2150	2195 - 2215	2195 - 2215	11
12 VS/Sec. Gov. Setting-RPM					2120 - 2140	1820 - 1840	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2340 @ 15	2340 @ 15	2223 @ 15	2457 @ 15	2580 @ 15		14
15 Min. Auto. Gov. Check-RPM @ PSI				2301 @ 15	2400 @ 15		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI					2457 @ 15	2030 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI					2296 @ 15	2030 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.					41 @ 500	29 @ 800	22
23 Idle Speed cc @ RPM-Auto.	190 @ 620	190 @ 620	190 @ 600	190 @ 620	230 @ 660	230 @ 820	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc					@ 660 - 230		24
25 Calibration PSI @ RPM	164 @ 2000	158 @ 2000	175 @ 1900	210 @ 2100	184 @ 2100	128 @ 1800	25
26 Calibration Flow	485	485	524	600	632	576	26
27 Check Point (1) PSI @ RPM	134 - 140 @ 1300	129 - 135 @ 1300	127 - 133 @ 1300	167 - 173 @ 1500	137 - 143 @ 1400	93 - 100 @ 1400	27
28 Check Point (1) Flow	441	442	448	536	540	488	28
29 Check Point (2) PSI @ RPM	83 - 95 @ 1000	80 - 92 @ 1000	83 - 95 @ 1000	85 - 97 @ 1000	79 - 91 @ 1000	54 - 61 @ 1000	29
30 Check Point (2) Flow	360	356	370	395	430	381	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.750 - 143854	.800 - 143854	.760 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	15 - 139894	15 - 139894	12 - 141626	07 - 141624	17 - 140417	35 - 140292	34
35 Fuel Pump Housing				3068106			35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3051817 - .000	3051817 - .000	3000941 - .000	153235 - .000	143253 - .000	143252 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040760	3040760	3040760	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3002058 - .020 -	3002058 - .020 -	139588 - .005 -	3002058 - .020 - .620	3002058 - .030 - .630	109687 - .000	41
42 VS Gov. Max. Spring - Ref. Shims					109687 - .000	109687 - .000	42
43 VS Gov. Idle Spring					153240	153240	43
44 VS Gov. Weights					163826	163826	44
45 VS Gov. Plunger					212350	212350	45
46 VS Gov. Sleeve					212148	212148	46
47 AFC Barrel & Plunger Assembly				3041494			47
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 66	1600 - 66	1600 - 66	1600 - 33	1600 - 40	1600 - 40	49
50 AFC Flow - pph	306	306	306	232	293	293	50
51 AFC Spring - Gage Height-In.	179828 -	179828 -	179828 -	3007692 -	179834 -	179834 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 116	1600 - 116	1600 - 116	1600 - 117	1600 - 69	1600 - 69	53
54 AFC No Air Flow	413	413	413	435	363	363	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1989 AUST	1989 AUST	1989 AUST	1989 AUST			62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTC-365	NTC-365	NTC-400	NTC-444	NTA-855-A-450	NTA-855-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP REQUIRED
- (2) PRESSURIZED GEAR PUMP REQUIRED USE A 3068106 HOUSING USE A CLASS-FIT AFC ASSEMBLY PT-PACER ONLY
- (3) PRESSURIZED GEAR PUMP REQUIRED USE A 3068106 HOUSING USE A CLASS-FIT AFC ASSEMBLY PT-PACER ONLY
- (4) PRESS GEAR PUMP REQ'D USE A 3068106 HOUSING USE A CLASS FIT AFC ASSEMBLY PT-PACER ONLY
- (5) USE A 3038668 HOUSING; REF.: USE .1 SHIMS ON AUTO GOV. SPRING MINIMUM GOVERNOR CHECK OF 2297 RPM @ 15 PSI. USE WITH SUPPLY AND DRAIN LINE CHECK VALVES USE WITH STC VALVE FUEL DUMP INTO DRAIN LIN
- (6) USE A 3038668 HOUSING; REF.: USE .100 SHIMS ON AUTO GOV. SPRING MINIMUM GOVERNOR CHECK OF 1997 RPM AT 15 PSI FOR USE WITH CHECK VALVES

1 Pump Code	SB78-A	SB79-A	SB80-A	SB81-A	SB82-C	SB83-A	1
2 Date - Control Parts List	JAN90 - 1204	FEB90 - 1204	FEB90 - 1204	APR91 - 1383	OCT92 - 1401	APR90 - 0904	2
3 Test HP @ RPM	348 - 362 @ 1950	245 - 255 @ 2100	323 - 337 @ 1800	465 - 483 @ 1800	280 - 290 @ 2100	392 - 408 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	116 - 128	72 - 80	102 - 112	188 - 204	134 - 146	172 - 190	5
6 Fuel Rate Pound Per Hour	119 - 123	88 - 92	105 - 109	160 - 166	107 - 111	136 - 142	6
7 Intake Manifold Press. in./Hg	32 - 40	24 - 30	30 - 38	53 - 61	31 - 37	40 - 48	7
8 Torque Rise % - Curve	13 -	16 -	8 -	8 -	27 -	32 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2040 - 2060	2130 - 2150	1920 - 1940	1930 - 1950	2130 - 2150	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM	1970 - 1990		1820 - 1840				12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2457 @ 15		2200 @ 15	2330 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI				2000 @ 15	2110 @ 15		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2280 @ 15		2100 @ 15				18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2280 @ 15		2100 @ 15				19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	75 -		110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -		28 -	21
22 Idle Speed PSI @ RPM-Auto.	29 @ 500	33 @ 500	38 @ 500	54 @ 500			22
23 Idle Speed cc @ RPM-Auto.	240 @ 640	210 @ 600	210 @ 720	200 @ 650	180 @ 790	245 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	130 @ 1950	78 @ 2100	119 @ 1800	198 @ 1800	140 @ 2100	181 @ 2100	25
26 Calibration Flow	425	360	398	810	460	555	26
27 Check Point (1) PSI @ RPM	96 - 102 @ 1400	54 - 60 @ 1500	93 - 99 @ 1400	176 - 182 @ 1500	96 - 102 @ 1300	140 - 146 @ 1300	27
28 Check Point (1) Flow	370	304	355	770	377	480	28
29 Check Point (2) PSI @ RPM	53 - 65 @ 1000		56 - 68 @ 1000		61 - 71 @ 1000		29
30 Check Point (2) Flow	280		280		296		30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.750 - 143855	.800 - 143854	.800 - 143854	.790 - 143855	.800 - 143854	33
34 Idle Plunger Code - Part No.	27 - 141632	67 - 141638	40 - 137370	10 - 141625	37 - 140418	10 - 141625	34
35 Fuel Pump Housing				3278924	3279531		35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	144195	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	153237 - .000	153237 - .000	3053107 - .000	143253 - .000	143254 - .000	37
38 Gear Pump Size In.	.750	.750	.750	1.000	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040760	3040760	3010810	3010810	3040760	40
41 Torque Spring - Shims - Gage Height	139588 - .000 -	138784 - .000 -	138788 - .030 -	138781 - .000 - .650	139586 - .020 - .670	3002058 - .045 -	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000		109688 - .000				42
43 VS Gov. Idle Spring	70778		70778				43
44 VS Gov. Weights	163826		163826				44
45 VS Gov. Plunger	AR40230		AR40230				45
46 VS Gov. Sleeve	212148		212148				46
47 AFC Barrel & Plunger Assembly					3059603		47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9			8 - 3.9	48
49 AFC RPM - PSI	1400 - 45	1400 - 40	1600 - 53		1600 - 50	1600 - 66	49
50 AFC Flow - pph	240	255	260		264	306	50
51 AFC Spring - Gage Height-In.	179818 -	179818 -	179818 -		179820 -	179828 -	51
52 AFC Bias Spring					3056073		52
53 AFC No Air RPM - PSI	1400 - 70	1400 - 48	1600 - 73		1600 - 53	1600 - 118	53
54 AFC No Air Flow	305	280	318		273	413	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly				3063505			59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve				3028325			61
62 Certified Year/Agency	1989 CONS			1999 GEN	1989 LOCO	1989 AUST	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-C	NTA-855-C	NTA-855-C	NTA-855-G2	NTA855-R1	NTC-400	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

(1) USE WITH FUEL LINE CHECK VALVE ONLY. USE WITH AIR M/FOLD PRESS CHECK VALVE ONLY.

(2) USE WITH ANTI-RESONANCE HSG. PRESSURIZED GEAR PUMP REQUIRED.

(3) PRESSURIZED GEAR PUMP USE WITH FUEL LINE CHECK VALVES ONLY

(4) PRESSURIZED GEAR PUMP ONLY. FOR USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH LARGE HOLE THROTTLE SHAFT

(5) M.U.T.C. USE ONLY. DUAL SPRING AFC. BIAS SPRING 3056073 RED/WHITE. ADJUST AFC SET SCREW(TOP) TO VALU UNDER AFC PLUNGER SETTING. THEN ADJUST LOWER SCREW TO VALU UNDER AFC NO AIR SETTING. USE WITH THROTTLE SHAFT 3006470 ONLY. P1 ORIFICE SIZE .027"/BLANK, P2 .028"/BLANK, P3 .044"/BLANK, P4 .070"/BLANK, P5 BLANK. USE WITH FUEL LINE CHECK VALVES ONLY.

(6) PRESSURIZED GEAR PUMP. USE HOUSING 3068106 CLASS FIT AFC ASSEMBLY PT PACER USE ONLY

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SB84-A - SB89-A

1 Pump Code	SB84-A	SB85-B	SB86-B	SB87-B	SB88-A	SB89-A	1
2 Date - Control Parts List	OCT92 - 1204	OCT90 - 0905	OCT92 - 1383	JUN92 - 0974	OCT92 - 1383	OCT92 - 0909	2
3 Test HP @ RPM	353 - 367 @ 2100	314 - 326 @ 1900	465 - 483 @ 1800	343 - 357 @ 2100	465 - 483 @ 1800	323 - 337 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	122 - 134	138 - 152	185 - 205	174 - 192	192 - 200	110 - 122	5
6 Fuel Rate Pound Per Hour	125 - 131	107 - 111	160 - 166	125 - 129	160 - 166	110 - 114	6
7 Intake Manifold Press. In./Hg	39 - 47	27 - 35	53 - 61	41 - 49	53 - 61	30 - 38	7
8 Torque Rise % - Curve	20 -	30 -	8 -	28 -	8 -	8 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	1930 - 1950	1930 - 1950	2130 - 2150	1930 - 1950	1920 - 1940	11
12 VS/Sec. Gov. Setting-RPM						1820 - 1840	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2223 @ 15	2200 @ 15	2457 @ 15	2340 @ 15	2300 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2310 @ 15		2012 @ 15		2200 @ 15	2100 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI					2200 @ 15	2195 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI					2040 @ 15	2035 @ 15	19
20 Throttle Leakage-cc - gph	110 -	110 -	75 -		75 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	29 @ 500	34 @ 500	54 @ 500		54 @ 500	38 @ 500	22
23 Idle Speed cc @ RPM-Auto.	200 @ 800	190 @ 620	200 @ 650	200 @ 830	200 @ 650	210 @ 750	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc						@ 750 - 210	24
25 Calibration PSI @ RPM	135 @ 2100	145 @ 1900	198 @ 1800	198 @ 2100	191 @ 1800	119 @ 1800	25
26 Calibration Flow	438	352	810	540	810	398	26
27 Check Point (1) PSI @ RPM	95 - 101 @ 1400	121 - 127 @ 1300	176 - 182 @ 1500	138 - 144 @ 1400	171 - 177 @ 1500	93 - 99 @ 1400	27
28 Check Point (1) Flow	366	326	770	458	770	355	28
29 Check Point (2) PSI @ RPM				77 - 89 @ 1000		56 - 68 @ 1000	29
30 Check Point (2) Flow				345		280	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	40 - 137370	17 - 140417	12 - 141626	17 - 140417	10 - 141625	40 - 137370	34
35 Fuel Pump Housing	3060695		3279568		3278924		35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .065	3004754 - .000	3053107 - .000	143253 - .000	3053107 - .000	153237 - .000	37
38 Gear Pump Size In.	.750	.750	1.000	.750	1.000	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3010810	3010810	3010810	3040760	40
41 Torque Spring - Shims - Gage Height	3053161 - .095 - .595	3002058 - .010 -	138781 - .000 - .650	3002054 - .020 -	138781 - .000 - .650	138788 - .030 - .630	41
42 VS Gov. Max. Spring - Ref. Shims						109688 - .000	42
43 VS Gov. Idle Spring						70778	43
44 VS Gov. Weights						163826	44
45 VS Gov. Plunger						AR40230	45
46 VS Gov. Sleeve						212148	46
47 AFC Barrel & Plunger Assembly	3031298						47
48 AFC In./Hg - PSI	6 - 2.9	4 - 1.9				8 - 3.9	48
49 AFC RPM - PSI	1400 - 45	1600 - 28		1600 - 52		1400 - 58	49
50 AFC Flow - gph	240	128		266		276	50
51 AFC Spring - Gage Height-In.	179818 -	179822 -		179820 -		179818 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1400 - 64	1600 - 127		1600 - 55		1400 - 76	53
54 AFC No Air Flow	297	309		275		321	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly					3063505		59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	3028325						61
62 Certified Year/Agency	1990 CONS	1990 AUST	1990 GEN	1990 LOCO	1999 GEN		62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA 855C	PT 320	NTA 855.G2	NTA-855-R1	NTA 855.G2	NTA-855-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; USE A 3060695 HOUSING FOR CHECK VALVE ONLY] REF.: USE .065 SHIMS ON GOVERNOR SPRING. MINIMUM GOVERNOR CHECK OF 2264 RPM AT 15 PSI
- (2) PRESSURIZED GEAR PUMP; USE A 3068106 HOUSING USE A CLASS FIT A.F.C. ASSEMBLY PT PACER ONLY
- (3) PRESSURISED GEAR PUMP ONLY. USE WITH WOODWARD,B/COLMAN & BOSCH GOVS ONLY USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH LARGE HOLE THROTTLE SHAFT
- (4) USE 1/2 PSI CHECK VALVE IN THE SUPPLY LINE. DUAL SPRING AFC PUMP. USE WITH MULTIPLE UNIT THROTTLE CONTROL. USE WITH LARGE HOLE THROTTLE SHAFT. PRESSURISED GEAR PUMP. BIAS SPRING # 3056073 15 IN/LB RED WHITE. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (5) PRESSURISED GEAR PUMP ONLY. FOR USE WITH EFC GOVERNOR ONLY. NON CHECK VALVE CODE USE WITH LARGE HOLE THROTTLE SHAFT
- (6) PRESSURISED GEAR PUMP USE WITH FUEL LINE CHECK VALVES ONLY CONTINUOUS RATING

1 Pump Code	SB90-A	SB91-A	SB92-A	SB93-B	SB94-B	SB95-C	
2 Date - Control Parts List	OCT90 - 0991	OCT90 - 0990	OCT90 - 0990	OCT92 - 0909	NOV90 - 0661	OCT92 - 1204	1
3 Test HP @ RPM	524 - 546 @ 1800	535 - 557 @ 1800	535 - 557 @ 1800	323 - 337 @ 1800	230 - 240 @ 2100	245 - 255 @ 1950	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	202 - 224	235 - 257	235 - 257	110 - 122	189 - 201	73 - 81	4
6 Fuel Rate Pound Per Hour	180 - 188	194 - 202	194 - 202	110 - 114	92 - 96	88 - 92	5
7 Intake Manifold Press. In./Hg	54 - 64	56 - 66	56 - 66	30 - 38		22 - 28	6
8 Torque Rise % - Curve	5 -	3 -	3 -	8 -	10 -	25 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2020 - 2040	1930 - 1950	1930 - 1950	1920 - 1940	2130 - 2150	2070 - 2100	10
12 VS/Sec. Gov. Setting-RPM	1915 - 1935			1820 - 1840		1970 - 1990	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2200 @ 15	2200 @ 15	2160 @ 15	2315 @ 40	2300 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI				2000 @ 15		2180 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2200 @ 15			1980 @ 15		2240 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2200 @ 15			1845 @ 15		2110 @ 15	18
20 Throttle Leakage-cc - pph	110 -	75 -	75 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	41 @ 500	54 @ 500	54 @ 500	38 @ 500	38 @ 500		21
23 Idle Speed cc @ RPM-Auto.	210 @ 610	170 @ 580	170 @ 580	210 @ 750	200 @ 600	200 @ 500	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc				@ 750 - 210		@ 770 - 200	23
25 Calibration PSI @ RPM	214 @ 1800	260 @ 1800	268 @ 1800	119 @ 1800	226 @ 2100	84 @ 1950	24
26 Calibration Flow	760	760	760	398	450	325	25
27 Check Point (1) PSI @ RPM	171 - 177 @ 1500	212 - 218 @ 1500	220 - 226 @ 1500	93 - 99 @ 1400	137 - 143 @ 1500	71 - 77 @ 1500	26
28 Check Point (1) Flow	685	690	690	355	351	305	27
29 Check Point (2) PSI @ RPM				56 - 68 @ 1000	71 - 79 @ 1000	32 - 44 @ 1000	28
30 Check Point (2) Flow				280	252	215	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.840 - 143847	.800 - 143847	32
34 Idle Plunger Code - Part No.	12 - 141626	5 - 141623	5 - 141623	40 - 137370	32 - 141634	60 - 140927	33
35 Fuel Pump Housing				3038668		3054344	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	144195	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3001148 - .000	3001147 - .000	3001147 - .000	143252 - .120	3000936 - .000	3053107 - .000	36
38 Gear Pump Size In.	1.000	1.000	1.000	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3040760	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138999 - .035 -	3053161 - .040 -	3053161 - .040 -	138788 - .010 - .620		139588 - .020 - .620	40
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000			101002 - .000		109687 - .000	41
43 VS Gov. Idle Spring	70778			70778		70778	42
44 VS Gov. Weights	163826			163826		163826	43
45 VS Gov. Plunger	AR40230			AR40230		AR40230	44
46 VS Gov. Sleeve	212148			212148		212148	45
47 AFC Barrel & Plunger Assembly				3031298		3058944	46
48 AFC In./Hg - PSI				8 - 3.9			47
49 AFC RPM - PSI				1400 - 58		1400 - 33	48
50 AFC Flow - pph				276		201	49
51 AFC Spring - Gage Height-In.				179818 -		179818 -	50
52 AFC Bias Spring						3051071	51
53 AFC No Air RPM - PSI				1400 - 75		1400 - 36	52
54 AFC No Air Flow				321		210	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve				3028325		3028325	60
62 Certified Year/Agency	1999 GEN	1999 GEN	1999 GEN	1999 CONS		1990 CONS	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	NTA-855-G3	NTA-855-G3	NTA-855-G3	NTA-855-C	N-855-R	NTA-855-C310	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

(1) PRESSURISED GEAR PUMP ONLY WITH WOODWARD, BOSCH OR BARBER COLMAN GOVERNO USE WITH LARGE HOLE THROTTLE SHAFT 3046690 AFC GUTLESS

(2) PRESSURISED GEAR PUMP ONLY. FOR USE WITH EFC GOVERNOR ONLY. USE WITH LARGE HOLE THROTTLE SHAFT. STANDBY RATING

(3) PRESSURISED GEAR PUMP ONLY. FOR USE WITH EFC GOVERNOR ONLY. USE WITH LARGE HOLE THROTTLE SHAFT. STANDBY RATING USE WITH CHECK VALVES ONLY

(4) PRESSURISED GEAR PUMP USE WITH FUEL LINE CHECK VALVES ONLY CONTINUOUS RATING SPECIAL 1880 RPM MAX. HIGH IDLE.

(5) RAIL CAR FUEL PUMP ORIFICE SIZES P1 = .032, P2 = .042 ORIFICE SIZES P3 = .061. SOLENOIDS POSITION 1 AND 5 BLANKS.

(6) USE WITH 5 PSI CHECK VALVE IN THE SUPPLY LINE DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SETTING SCREW TO SET VS LOW IDLE TO 200 CC/MIN @ 770 RPM.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SB96-B - SC02-A

1 Pump Code	SB96-B	SB97-A	SB98-A	SB99-A	SC01-A	SC02-A	1
2 Date - Control Parts List	APR91 - 1315	JAN91 - 1501	JAN91 - 1381	SEP92 - 1381	SEP89 - 0703	AUG86 - 0799	2
3 Test HP @ RPM	392 - 408 @ 1900	230 - 240 @ 1800	375 - 390 @ 1800	390 - 406 @ 1800	284 - 296 @ 2200	176 - 184 @ 1850	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	165 - 183	68 - 78	145 - 161	156 - 172	158 - 174	88 - 98	5
6 Fuel Rate Pound Per Hour	137 - 143	82 - 86	128 - 134	135 - 141	97 - 101	60 - 63	6
7 Intake Manifold Press. In./Hg	41 - 49	22 - 28	45 - 55	48 - 58	35 - 45	26 - 32	7
8 Torque Rise % - Curve	10 -	17 -			21 - 0000	16 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	1900 - 1930	1930 - 1950	1930 - 1950	2230 - 2250	1880 - 1900	11
12 VS/Sec. Gov. Setting-RPM		1820 - 1840					12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15		2200 @ 15	2170 @ 15	2460 @ 15	2300 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI			2000 @ 15	2010 @ 15		2175 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2160 @ 15				2165 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2160 @ 15				2017 @ 15	19
20 Throttle Leakage-cc - pph	110 -	75 -	75 -	75 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -		28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.					23 @ 700	15 @ 500	22
23 Idle Speed cc @ RPM-Auto.	235 @ 830	180 @ 590	200 @ 630	200 @ 630	155 @ 750	160 @ 550	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	200 @ 1900	80 @ 1800	161 @ 1800	173 @ 1800	169 @ 2200	93 @ 1850	25
26 Calibration Flow	625	320	465	495	401	298	26
27 Check Point (1) PSI @ RPM	111 - 117 @ 1200	54 - 60 @ 1250	125 - 131 @ 1500	142 - 148 @ 1500	117 - 123 @ 1400	59 - 65 @ 1200	27
28 Check Point (1) Flow	475	270	415	454	328	238	28
29 Check Point (2) PSI @ RPM	82 - 92 @ 1000	38 - 42 @ 1000			68 - 76 @ 1000	41 - 53 @ 1000	29
30 Check Point (2) Flow	419	220			249	202	30
31 Check Point (3) PSI @ RPM		25 - 29 @ 800					31
32 Check Point (3) Flow		180					32
33 Weight Assist Setting - Spring	.780 - 143854	.800 - 143847	.800 - 143854	.800 - 143854	.750 - 143855	.800 - 143854	33
34 Idle Plunger Code - Part No.	10 - 141625	45 - 138862	30 - 141633	20 - 141629	32 - 141634	45 - 138862	34
35 Fuel Pump Housing			3060173	3060173		3060211	35
36 Auto. Idle Spring	3018767	144195	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000940 - .000	3001146 - .000	153236 - .000	153236 - .000	143253 - .000	143254 - .000	37
38 Gear Pump Size In.	1.000	.750	1.000	1.000	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138786 - .000 -	138791 - .000 -	142701 - .040 - .640	138790 - .030 - .630	139585 - .050 -	138791 - .020 - .620	41
42 VS Gov. Max. Spring - Ref. Shims		70821 - .000					42
43 VS Gov. Idle Spring		70778					43
44 VS Gov. Weights		163826					44
45 VS Gov. Plunger		AR40230					45
46 VS Gov. Sleeve		212148					46
47 AFC Barrel & Plunger Assembly						3031298	47
48 AFC In./Hg - PSI					10 - 4.9	6 - 2.9	48
49 AFC RPM - PSI	1600 - 33				1600 - 72	1600 - 70	49
50 AFC Flow - pph	248				244	210	50
51 AFC Spring - Gage Height-In.	179828 -				179828 -	179808 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 53				800 - 39	800 - 30	53
54 AFC No Air Flow	325				150	140	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly			3063504	3063504			59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve			3028325	3028325			61
62 Certified Year/Agency	1990 LOCO	1990 CONS	1991 GEN	1991 GEN	1986 AUTO	1986 AUTO	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-R3	NT-855-C	NT-855-G4	NT-855-G5	LTA10-B290	LT10-B180	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURISED GEAR PUMP. DUAL SPRING AFC. USE WITH THROTTLE SHAFT 3006470. BIAS SPRING # 3056072 10 IN/LB BLUE/WHITE. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (2) USE FOR VS SINGLE LEVER APPLICATIONS ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. AFC GUTLESS. BIG CAM III EQUIVALENT OF S572. ADJUST AUTO IDLE SCREW IN OR OUT TO HELP ACHIEVE THE 1000 & 800 RPM FIGURES.
- (3) USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. PRESSURISED GEAR PUMP. USE WITH STD SMALL HOLE THROTTLE SHAFT.
- (4) PRESSURISED GEAR PUMP. USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH STANDARD SMALL HOLE THROTTLE SHAFT.
- (5) USE ANTI-RESONANCE HSG. PRESSURIZED GEAR PUMP REQUIRED.
- (6) USE WITH ANTI-RESONANCE HOUSING PRESSURIZED GEAR PUMP REQUIRED

1 Pump Code	SC03-A	SC04-B	SC05-C	SC07-A	SC08-A	SC09-B	1
2 Date - Control Parts List	AUG86 - 0775	AUG86 - 0881	OCT92 - 0776	AUG86 - 0776	SEP86 - 0776	MAR88 - 0751	2
3 Test HP @ RPM	220 - 230 @ 2100	206 - 214 @ 1850	200 - 208 @ 1800	206 - 214 @ 2100	196 - 204 @ 2100	323 - 337 @ 2200	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	115 - 127	103 - 115	98 - 110	106 - 119	101 - 111	190 - 210	5
6 Fuel Rate Pound Per Hour	73 - 77	72 - 76	68 - 72	71 - 74	68 - 72	110 - 114	6
7 Intake Manifold Press. In./Hg	29 - 37	30 - 38	26 - 34	31 - 39	29 - 37	40 - 48	7
8 Torque Rise % - Curve	20 -	10 -	8 - 0	22 - 0	20 - 0000	18 - 0	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2240 - 2260	1880 - 1900	1920 - 1940	2240 - 2260	2240 - 2260	2340 - 2360	11
12 VS/Sec. Gov. Setting-RPM	2120 - 2140		1820 - 1840	2120 - 2140	2120 - 2140	2220 - 2240	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2040 @ 15	2160 @ 15				14
15 Min. Auto. Gov. Check-RPM @ PSI			2000 @ 15				15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15		2140 @ 15	2464 @ 15	2457 @ 15	2574 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15		1980 @ 15	2464 @ 15	2457 @ 15	2574 @ 15	19
20 Throttle Leakage-cc - pph	110 - 12	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lever	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	15 @ 500	15 @ 500	15 @ 500	15 @ 500	15 @ 500	15 @ 500	22
23 Idle Speed cc @ RPM-Auto.	210 @ 700	200 @ 550	210 @ 750	210 @ 750	300 @ 700	155 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc			@ 750 - 210				24
25 Calibration PSI @ RPM	128 @ 2100	116 @ 1850	111 @ 1800	120 @ 2100	106 @ 2100	201 @ 2200	25
26 Calibration Flow	330	322	300	316	304	443	26
27 Check Point (1) PSI @ RPM	83 - 89 @ 1300	79 - 85 @ 1300	78 - 84 @ 1300	84 - 90 @ 1300	63 - 70 @ 1300	137 - 143 @ 1400	27
28 Check Point (1) Flow	265	263	250	264	234	364	28
29 Check Point (2) PSI @ RPM	53 - 66 @ 1000	51 - 63 @ 1000	50 - 61 @ 1000	59 - 71 @ 1000	44 - 56 @ 1000	78 - 90 @ 1000	29
30 Check Point (2) Flow	215	215	202	220	196	270	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	- 143854	- 143854	.800 - 143854	.790 - 143854	33
34 Idle Plunger Code -Part No.	45 - 138862	50 - 140925	47 - 140924	40 - 137370	52 - 139618	17 - 140417	34
35 Fuel Pump Housing			3035694				35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143252 - .000	153238 - .000	153238 - .000	3001146 - .000	153238 - .000	153238 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	3002047 - .050 -	138788 - .040 -	138769 - .030 - .680	3002050 - .050 -	3002047 - .050 -	3002047 - .040 -	41
42 VS Gov. Max. Spring - Ref. Shims	109689 - .000		70822 - .000	109689 - .000	109689 - .000	109687 - .000	42
43 VS Gov. Idle Spring	70778		70778	70778	70778	70778	43
44 VS Gov. Weights	163826		163826	163826	163826	163826	44
45 VS Gov. Plunger	AR40230		AR40230	AR40230	AR40230	AR40230	45
46 VS Gov. Sleeve	212148		212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI		6 - 2.9				10 - 4.9	48
49 AFC RPM - PSI		1600 - 70				1600 - 72	49
50 AFC Flow - pph		210				244	50
51 AFC Spring - Gage Height-In.		179808 -				179828 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI		800 - 30				800 - 35	53
54 AFC No Air Flow		140				182	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve			3028325				61
62 Certified Year/Agency	1986 CONS	1986 AUTO	1986 CONS	1986 CONS	1986 CONS	1986 AUTO	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	LTA10-A250	LT10-B210 H	LT10C	LT10C	LT10C	LTA10 330T	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH FUEL LINE CHECK VALVES ONLY PRESSURISED GEAR PUMP AFC GUTLESS. NOMOGRAM.
- (2) USE WITH ANTI-RESONANCE HOUSING. PRESSURIZED GEAR PUMP REQUIRED. CHECK VALVES REQUIRED. NOMOGRAM. LEFT HAND DRIVE PUMP. FOR HORIZONTAL L-10 ENGINE.
- (3) PRESSURIZED GEAR PUMP REQUIRED. NOMOGRAM. USE WITH FUEL LINE CHECK VALVES ONLY. AFC GUTLESS.
- (4) PRESSURIZED GEAR PUMP REQUIRED. NOMOGRAM. USE WITH FUEL LINE CHECK VALVES ONLY.
- (5) PRESSURIZED GEAR PUMP. NOMOGRAM. AFC GUTLESS.
- (6) PRESSURIZED GEAR PUMP REQUIRED. NOMOGRAM. USE WITH FUEL LINE CHECK VALVES ONLY.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SC10-D - SC15-D

1 Pump Code	SC10-D	SC11-D	SC12-F	SC13-D	SC14-D	SC15-D	1
2 Date - Control Parts List	JUN92 - 0773	JUN92 - 0773	OCT92 - 0773	JUN92 - 0773	JUN92 - 0773	JUN92 - 0773	2
3 Test HP @ RPM	284 - 296 @ 2200	284 - 296 @ 2200	284 - 296 @ 2100	284 - 296 @ 2200	284 - 296 @ 2200	284 - 296 @ 2200	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	162 - 180	162 - 180	160 - 176	162 - 180	162 - 180	162 - 180	5
6 Fuel Rate Pound Per Hour	96 - 100	96 - 100	93 - 97	96 - 100	96 - 100	96 - 100	6
7 Intake Manifold Press. In./Hg	38 - 46	38 - 46	36 - 44	38 - 46	38 - 46	38 - 46	7
8 Torque Rise % - Curve	21 - 0000	21 - 0000	18 - 0000	21 - 0000	21 - 0000	21 - 0000	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2230 - 2250	2230 - 2250	2130 - 2150	2295 - 2315	2295 - 2315	2295 - 2315	11
12 VS/Sec. Gov. Setting-RPM				2230 - 2250	2230 - 2250	2230 - 2250	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2574 @ 15	2574 @ 15	2457 @ 15				14
15 Min. Auto. Gov. Check-RPM @ PSI			2300 @ 15				15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2574 @ 15	2547 @ 15	2574 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2574 @ 15	2547 @ 15	2574 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	32 @ 650	21 @ 500	32 @ 650	32 @ 650	21 @ 500	21 @ 500	22
23 Idle Speed cc @ RPM-Auto.	170 @ 750	190 @ 530	170 @ 750	170 @ 750	190 @ 530	190 @ 530	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	171 @ 2200	171 @ 2200	168 @ 2100	171 @ 2200	171 @ 2200	178 @ 2200	25
26 Calibration Flow	403	403	399	403	403	403	26
27 Check Point (1) PSI @ RPM	114 - 120 @ 1400	114 - 120 @ 1400	109 - 115 @ 1300	114 - 120 @ 1400	114 - 120 @ 1400	121 - 127 @ 1400	27
28 Check Point (1) Flow	325	325	315	325	325	325	28
29 Check Point (2) PSI @ RPM	74 - 86 @ 1000	74 - 86 @ 1000	74 - 86 @ 1000	74 - 86 @ 1000	74 - 86 @ 1000	81 - 93 @ 1000	29
30 Check Point (2) Flow	260	260	260	260	260	260	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.840 - 143848	.860 - 143848	.790 - 143848	.830 - 143848	.850 - 143848	.860 - 143848	33
34 Idle Plunger Code - Part No.	32 - 141634	32 - 141634	27 - 141632	27 - 141632	27 - 141632	27 - 141632	34
35 Fuel Pump Housing			3279523				35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	153237 - .000	153237 - .000	153237 - .000	153237 - .000	153237 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	3002054 - .040 -	3002054 - .040 -	139585 - .010 - .560	3002058 - .040 -	3002058 - .040 -	3002058 - .040 -	41
42 VS Gov. Max. Spring - Ref. Shims				109687 - .000	109687 - .000	109689 - .000	42
43 VS Gov. Idle Spring				70778	70778	70778	43
44 VS Gov. Weights				163826	163826	163826	44
45 VS Gov. Plunger				AR40230	AR40230	AR40230	45
46 VS Gov. Sleeve				212148	212148	212148	46
47 AFC Barrel & Plunger Assembly			3058944				47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	800 - 30	800 - 30	800 - 30	800 - 30	800 - 30	800 - 30	49
50 AFC Flow - pph	151	151	151	151	151	151	50
51 AFC Spring - Gage Height-In.	179828 -	179828 -	179828 -	179828 -	179828 -	179828 -	51
52 AFC Bias Spring			3051071				52
53 AFC No Air RPM - PSI	800 - 33	800 - 33	800 - 33	800 - 33	800 - 33	800 - 33	53
54 AFC No Air Flow	160	160	160	160	160	160	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1987 EEC	1987 EEC	1987 EEC	1987 EEC	1987 EEC	1987 EEC	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	LTA10-290	LTA10-290	LTA10-290	LTA10-290	LTA10-290	LTA10-290	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURISED GEAR PUMP. USE WITH ANTI-RESONANCE HOUSING. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (2) PRESSURISED GEAR PUMP. USE WITH ANTI-RESONANCE HOUSING. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (3) PRESSURISED GEAR PUMP. USE WITH ANTI-RESONANCE HOUSING. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (4) PRESSURISED GEAR PUMP. USE ANTI RESONANCE HSG DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (5) PRESSURISED GEAR PUMP. USE ANTI RESONANCE HSG DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (6) PRESSURISED GEAR PUMP. USE WITH ANTI-RESONANCE HOUSING. USE WITH FUEL LINE CHECK VALVES ONLY. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.

1 Pump Code	SC16-D	SC17-D	SC18-E	SC19-B	SC20-A	SC21-C	
2 Date - Control Parts List	JUN92 - 0773	JUN92 - 0773	JUN92 - 0773	OCT88 - 0776	JUN92 - 0978	AUG88 - 0717	1
3 Test HP @ RPM	284 - 296 @ 2200	284 - 296 @ 2100	284 - 296 @ 2100	245 - 255 @ 2200	323 - 337 @ 2200	284 - 296 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	182 - 180	160 - 176	160 - 176	139 - 153	152 - 168	159 - 177	4
6 Fuel Rate Pound Per Hour	96 - 100	93 - 97	93 - 97	85 - 89	106 - 110	98 - 102	5
7 Intake Manifold Press. In./Hg	38 - 46	36 - 44	36 - 44	40 - 48	40 - 48	36 - 44	6
8 Torque Rise % - Curve	21 - 0000	18 - 0000	18 - 0000	26 -	20 -	18 - 0000	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2295 - 2315	2195 - 2215	2195 - 2215	2230 - 2250	2230 - 2250	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM	2230 - 2250	2130 - 2150	2130 - 2150				11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2460 @ 15	2510 @ 15	2574 @ 15	2450 @ 15	2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI		2340 @ 15	2390 @ 15				14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2574 @ 15	2460 @ 15	2460 @ 15				17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2574 @ 15	2310 @ 15	2330 @ 15				18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 - 12	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	32 @ 650		32 @ 650			33 @ 500	21
23 Idle Speed cc @ RPM-Auto.	170 @ 750	170 @ 750	170 @ 750	165 @ 780	170 @ 750	185 @ 610	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 750 - 170	@ 750 - 170				23
25 Calibration PSI @ RPM	178 @ 2200	168 @ 2100	173 @ 2100	153 @ 2200	163 @ 2200	168 @ 2100	24
26 Calibration Flow	403	399	395	367	456	399	25
27 Check Point (1) PSI @ RPM	121 - 127 @ 1400	108 - 114 @ 1300	113 - 119 @ 1300	107 - 113 @ 1400	113 - 119 @ 1400	108 - 114 @ 1300	26
28 Check Point (1) Flow	325	315	315	307	381	315	27
29 Check Point (2) PSI @ RPM	81 - 93 @ 1000	74 - 86 @ 1000	78 - 90 @ 1000	62 - 74 @ 1000	62 - 74 @ 1000	74 - 86 @ 1000	28
30 Check Point (2) Flow	260	260	260	260	293	260	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.840 - 143848	.850 - 143854	.800 - 143848	- 143854	.750 - 143854	.820 - 143848	32
34 Idle Plunger Code - Part No.	27 - 141632	30 - 141633	22 - 141630	37 - 140418	35 - 140922	30 - 141633	33
35 Fuel Pump Housing		3054344	3054344				34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	143253 - .000	153237 - .000	3001147 - .000	3001147 - .000	153237 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	3002058 - .040 -	139585 - .025 - .675	3002056 - .050 - .650	3002047 - .050 -	139584 - .050 -	139585 - .010 -	40
42 VS Gov. Max. Spring - Ref. Shims	109689 - .000	109687 - .000	109687 - .000				41
43 VS Gov. Idle Spring	70778	70778	70778				42
44 VS Gov. Weights	163826	163826	163826				43
45 VS Gov. Plunger	AR40230	AR40230	AR40230				44
46 VS Gov. Sleeve	212148	212148	212148				45
47 AFC Barrel & Plunger Assembly		3058944	3058944				46
48 AFC In./Hg - PSI					7 - 3.4	10 - 4.9	47
49 AFC RPM - PSI	800 - 30	800 - 30	800 - 31		1600 - 54	1600 - 72	48
50 AFC Flow - pph	151	151	156		255	244	49
51 AFC Spring - Gage Height-In.	179828 -	179828 -	179828 -		179820 -	179828 -	50
52 AFC Bias Spring		3051071	3051071				51
53 AFC No Air RPM - PSI	800 - 33	800 - 33	800 - 34		1600 - 75	800 - 39	52
54 AFC No Air Flow	160	160	165		304	150	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve			3028324				60
62 Certified Year/Agency	1987 EEC	1987 EEC	1987 EEC	1986 CONS	1987 EEC	1986 AUTO	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LTA10-290	LTA10-290	LTA10-290	LT10-C-250	LTA10-B330	LTA10-B290H	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURISED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH ANTI-RESONANCE HOUSING. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (2) PRESSURISED GEAR PUMP. USE WITH ANTI-RESONANCE HOUSING. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (3) PRESSURISED GEAR PUMP. USE 1/2PSI CHECK VALVE IN SUPPL LINE 20.11.8 USE ANTI RESONANCE HSG DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (4) USE PRESSURIZED GEAR PUMP. NOMOGRAM. CHECK VALVE CALIBRATION ONLY. AFC GUTLESS.
- (5) PRESSURISED GEAR PUMP USE ANTI-RESONANCE HOUSING NOMOGRAM
- (6) USE WITH ANTI-RESONANCE HSG. LEFT HAND DRIVE PUMP. PRESSURISED GEAR PUMP. FOR HORIZONTAL L-10 ENGINE.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SC22-A - SC27-B

1 Pump Code	SC22-A	SC23-D	SC24-A	SC25-A	SC26-A	SC27-B	
2 Date - Control Parts List	APR87 - 0799	DEC91 - 0881	AUG88 - 0717	NOV86 - 0774	AUG87 - 0774	SEP89 - 0703	1
3 Test HP @ RPM	211 - 219 @ 1850	206 - 214 @ 1850	284 - 296 @ 2100	265 - 275 @ 2100	265 - 275 @ 2100	284 - 296 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	107 - 119	108 - 120	159 - 177	143 - 159	145 - 163	160 - 176	4
6 Fuel Rate Pound Per Hour	72 - 76	72 - 76	98 - 102	89 - 93	89 - 93	95 - 99	5
7 Intake Manifold Press. In./Hg	28 - 36	30 - 38	36 - 44	35 - 43	35 - 43	36 - 44	6
8 Torque Rise % - Curve	14 -	9 -	18 - 0000	27 - NONE	27 - NONE	18 - NONE	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1880 - 1900	1880 - 1900	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM					2200 - 2250		11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2165 @ 15	2100 @ 15	2457 @ 15	2457 @ 15		2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI		1960 @ 15					14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI					2457 @ 15		17
19 Min. VS/Sec. Gov. Check-RPM @ PSI					2457 @ 15		18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	44 @ 700	15 @ 500	32 @ 650			32 @ 650	21
23 Idle Speed cc @ RPM-Auto.	150 @ 750	185 @ 610	155 @ 750	165 @ 650	300 @ 700	170 @ 750	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	113 @ 1850	114 @ 1850	168 @ 2100	157 @ 2100	155 @ 2100	168 @ 2100	24
26 Calibration Flow	336	328	399	390	375	399	25
27 Check Point (1) PSI @ RPM	79 - 85 @ 1200	79 - 85 @ 1300	108 - 114 @ 1300	125 - 133 @ 1400	120 - 126 @ 1400	109 - 115 @ 1300	26
28 Check Point (1) Flow	282	274	315	349	328	315	27
29 Check Point (2) PSI @ RPM	59 - 71 @ 1000	53 - 61 @ 1000	74 - 86 @ 1000			74 - 86 @ 1000	28
30 Check Point (2) Flow	247	226	260			260	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.810 - 143848	32
34 Idle Plunger Code - Part No.	37 - 140418	50 - 140925	27 - 141632	27 - 141632	25 - 141631	27 - 141632	33
35 Fuel Pump Housing		3038603					34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143254 - .000	153238 - .000	143253 - .000	3004755 - .000	3000935 - .000	153237 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3040760	3010810	39
41 Torque Spring - Shims - Gage Height	138784 - .020 -	138788 - .040 - .640	139584 - .050 -	3002057 - .030 -	3002058 - .040 -	139585 - .010 -	40
42 VS Gov. Max. Spring - Ref. Shims					109687 - .000		41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights					163826		43
45 VS Gov. Plunger					212350		44
46 VS Gov. Sleeve					212148		45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	10 - 4.9	10 - 4.9	10 - 4.9	10 - 4.9	47
49 AFC RPM - PSI	1600 - 70	1600 - 70	1600 - 72	1600 - 71	1600 - 71	1600 - 69	48
50 AFC Flow - pph	210	210	244	244	244	230	49
51 AFC Spring - Gage Height-In.	179808 -	179808 -	179828 -	179828 -	179828 -	179828 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	800 - 26	800 - 30	800 - 39	1600 - 69	1600 - 69	1600 - 69	52
54 AFC No Air Flow	143	140	150	242	242	230	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1986 AUTO	1986 AUTO	1986 AUTO	1986 EPA	1987 EPA		61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LT 10 B	LT10-B210 H	LTA10-B290H	LTA10-B270	LTA10-B270	LTA10-B290	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE PRESSURISED GEAR PUMP. NOMOGRAM. PTG-AFC-AUTO.
- (2) USE WITH ANTI-RESONANCE HOUSING. PRESSURISED GEAR PUMP REQUIRED. LEFT HAND DRIVE PUMP. FOR HORIZONTAL L-10 ENGINE.
- (3) USE WITH ANTI-RESONANCE HSG. NOMOGRAM. PRESSURISED GEAR PUMP. LEFT HAND DRIVE PUMP. FOR HORIZONTAL L-10 ENGINE.
- (4) PRESS GEAR PUMP REQUIRED MIN GOV CH PT 2275 RPM @ 15 PSI USE 3035693 FUEL PUMP HSG
- (5) MIN GOV CH PT 2222 RPM @ 15 PSI PRESS GEAR PUMP REQUIRED USE .035" SHIMS ON VS GOV SPRING ROADSPEED GOV TO BE SET @ 1900 RPM ROADSPEED GOV CH PT @ 15 PSI 2090-2223
- (6) PRESSURISED GEAR PUMP. NOMOGRAM. WITH ANTI-RESONANCE HSG.

1 Pump Code	SC28-A	SC28-A	SC30-A	SC31-F	SC32-J	SC33-E	
2 Date - Control Parts List	MAR89 - 0704	AUG88 - 0881	OCT87 - 0799	JUN92 - 0995	OCT92 - 0995	OCT92 - 0995	1
3 Test HP @ RPM	216 - 224 @ 2200	206 - 214 @ 1850	211 - 219 @ 1850	318 - 332 @ 2100	318 - 332 @ 2100	318 - 332 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	115 - 127	108 - 120	107 - 119	152 - 168	152 - 168	152 - 168	4
6 Fuel Rate Pound Per Hour	76 - 79	72 - 76	72 - 76	103 - 107	103 - 107	103 - 107	5
7 Intake Manifold Press. In./Hg	33 - 41	30 - 38	28 - 36	40 - 48	40 - 48	40 - 48	6
8 Torque Rise % - Curve	12 - NONE	9 -	14 -	17 - NONE	17 - 0000	17 - NONE	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2230 - 2250	1880 - 1900	1880 - 1900	2130 - 2150	2195 - 2215	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM					2130 - 2150		11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2574 @ 15	2040 @ 15	2165 @ 15	2420 @ 15	2600 @ 15	2400 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI				2260 @ 15	2300 @ 15	2260 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI					2457 @ 15		17
19 Min. VS/Sec. Gov. Check-RPM @ PSI					2310 @ 15		18
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	30 @ 650	15 @ 500	44 @ 700	32 @ 650	32 @ 650	32 @ 650	21
23 Idle Speed cc @ RPM-Auto.	190 @ 700	180 @ 730	150 @ 700	200 @ 760	200 @ 760	200 @ 760	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc				@ 760 - 200	@ 760 - 200		23
25 Calibration PSI @ RPM	121 @ 2200	109 @ 1850	113 @ 1850	162 @ 2100	162 @ 2100	162 @ 2100	24
26 Calibration Flow	344	322	336	452	452	452	25
27 Check Point (1) PSI @ RPM	64 - 70 @ 1300	74 - 80 @ 1300	79 - 85 @ 1200	108 - 114 @ 1300	110 - 116 @ 1300	110 - 116 @ 1300	26
28 Check Point (1) Flow	245	263	282	373	375	375	27
29 Check Point (2) PSI @ RPM	42 - 50 @ 1000	52 - 60 @ 1000	59 - 71 @ 1000	84 - 94 @ 1000	81 - 90 @ 1000	81 - 90 @ 1000	28
30 Check Point (2) Flow	197	215	247	325	320	320	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	- 143854	.800 - 143854	.800 - 143854	.790 - 3070197	.793 - 3070197	.790 - 3070197	32
34 Idle Plunger Code - Part No.	57 - 140926	50 - 140925	37 - 140418	20 - 141629	20 - 141629	20 - 141629	33
35 Fuel Pump Housing			3060211	3279523	3054344	3059632	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153236 - .000	153236 - .000	143254 - .000	153238 - .000	143253 - .000	153238 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810		39
41 Torque Spring - Shims - Gage Height	142870 - .000 -	138788 - .040 -	138784 - .020 -	139588 - .050 - .650	3002047 - .030 - .665 -	139588 - .050 - .650	40
42 VS Gov. Max. Spring - Ref. Shims					109687 - .000		41
43 VS Gov. Idle Spring					70778		42
44 VS Gov. Weights					163826		43
45 VS Gov. Plunger					AR40230		44
46 VS Gov. Sleeve					212148		45
47 AFC Barrel & Plunger Assembly			3031298	3058944	3058944	3074225	46
48 AFC In./Hg - PSI	4 - 1.9	6 - 2.9	6 - 2.9				47
49 AFC RPM - PSI	1600 - 58	1600 - 70	1600 - 70	800 - 24	800 - 26	800 - 19	48
50 AFC Flow - pph	213	210	210	158	175	135	49
51 AFC Spring - Gage Height-In.	179806 -	179808 -	179808 -	179824 -	179824 -	179820 - .117	50
52 AFC Bias Spring				3051071	3051071	3071948	51
53 AFC No Air RPM - PSI	1600 - 70	800 - 30	800 - 26	800 - 27	800 - 27	800 - 22	52
54 AFC No Air Flow	243	140	143	167	180	144	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve					3028324		60
62 Certified Year/Agency		1987 AUTO	1987 AUTO	1987 EEC	1987 EEC	1987 EEC	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	LT10-B210 H	LT10-B215	LTAA10-325	LTAA10-325	LTAA10-325	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE ANTI-RESONANCE HOUSING. PRESSURIZED GEAR PUMP REQUIRED.
- (2) USE WITH ANTI-RESONANCE HOUSING. PRESSURIZED GEAR PUMP REQUIRED. LEFT HAND DRIVE PUMP. FOR HORIZONTAL L-10 ENGINE.
- (3) USE PRESSURIZED GEAR PUMP.
- (4) PRESSURIZED GEAR PUMP. DUAL SPRING AFC. AIR TO AIR COOLED L10. BIAS SPRING # 3051071 30 IN/LB GREEN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SCREW.
- (5) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. AIR TO AIR COOLED L10. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 30 IN/LB GREEN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. THIS IS A "SEALED PUMP" FUEL CODE.14.11.88. PRE-LOADED WEIGHT ASSIST INCORPORATED 7.11.8
- (6) 91AFC DUAL SPRING AFC PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. BIAS SPRING # 3071948 RED/ORANGE. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. AIR TO AIR COOLED L10.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SC34-D - SC39-A

1 Pump Code	SC34-D	SC35-A	SC36-A	SC37-B	SC38-C	SC39-A	1
2 Date - Control Parts List	OCT92 - 0995	SEP89 - 0703	OCT87 - 0704	AUG88 - 0882	AUG88 - 0717	AUG88 - 0882	2
3 Test HP @ RPM	318 - 332 @ 2100	284 - 296 @ 2100	240 - 250 @ 1900	245 - 255 @ 2100	265 - 275 @ 2100	245 - 255 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	152 - 168	160 - 176	125 - 139	138 - 152	146 - 162	138 - 152	5
6 Fuel Rate Pound Per Hour	103 - 107	93 - 97	79 - 83	86 - 90	93 - 97	86 - 90	6
7 Intake Manifold Press. In./Hg	40 - 48	38 - 46	31 - 39	36 - 44	36 - 44	36 - 44	7
8 Torque Rise % - Curve	17 - 0000	18 - 0000	11 -	20 - 0000000000	27 - NONE	20 - 0000000000	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2195 - 2215	2130 - 2150	1930 - 1950	2130 - 2150	2130 - 2150	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM	2130 - 2150						12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2530 @ 15	2457 @ 15	2223 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2340 @ 15						15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2480 @ 15						18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 15						19
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	32 @ 650		18 @ 500				22
23 Idle Speed cc @ RPM-Auto.	200 @ 760	170 @ 650	160 @ 550	185 @ 610	185 @ 610	210 @ 750	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 760 - 200						24
25 Calibration PSI @ RPM	162 @ 2100	175 @ 2100	132 @ 1900	145 @ 2100	154 @ 2100	145 @ 2100	25
26 Calibration Flow	452	399	359	385	382	385	26
27 Check Point (1) PSI @ RPM	110 - 116 @ 1300	114 - 120 @ 1300	90 - 96 @ 1300	94 - 100 @ 1300	117 - 123 @ 1400	94 - 100 @ 1300	27
28 Check Point (1) Flow	375	315	294	302	329	302	28
29 Check Point (2) PSI @ RPM	81 - 90 @ 1000	80 - 92 @ 1000	57 - 69 @ 1000	61 - 73 @ 1000	74 - 86 @ 1000	61 - 73 @ 1000	29
30 Check Point (2) Flow	320	260	233	242	260	242	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.783 - 3070197	.840 - 143854	.820 - 143854	.820 - 143855	.870 - 143854	.800 - 143855	33
34 Idle Plunger Code - Part No.	20 - 141629	22 - 141630	40 - 137370	35 - 140922	30 - 141633	35 - 140922	34
35 Fuel Pump Housing	3054344						35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	153238 - .000	153238 - .000	3000941 - .000	3001147 - .000	3000941 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	3002047 - .015 - .665	139586 - .000 -	138788 - .030 -	3002055 - .030 -	3002055 - .020 -	3002054 - .030 -	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000						42
43 VS Gov. Idle Spring	70778						43
44 VS Gov. Weights	163826						44
45 VS Gov. Plunger	AR40230						45
46 VS Gov. Sleeve	212148						46
47 AFC Barrel & Plunger Assembly	3058944						47
48 AFC In./Hg - PSI		10 - 4.9	8 - 3.9	8 - 3.9	10 - 4.9	8 - 3.9	48
49 AFC RPM - PSI	800 - 24	1600 - 69	1600 - 99	1600 - 80	1600 - 69	1600 - 80	49
50 AFC Flow - pph	158	230	295	260	230	260	50
51 AFC Spring - Gage Height-In.	179824 -	179828 -	179824 -	179824 -	179828 -	179824 -	51
52 AFC Bias Spring	3051071						52
53 AFC No Air RPM - PSI	800 - 27	1600 - 71	800 - 39	1600 - 70	1600 - 71	1600 - 70	53
54 AFC No Air Flow	167	253	150	243	253	243	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1988 EEC	1987 AUTO	1987 AUTO	1987 AUTO	1987 AUTO	1987 AUTO	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	LTA10-325	LTA10-B290	LT10-B250	LT10-B250H	LTA10-B290H	LT10-B250H	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) AIR TO AIR COOLED L10. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 30 IN/LB GREEN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (2) USE WITH ANT-RESONANCE HOUSING. PRESSURIZED GEAR PUMP REQUIRED. USE WITH FUEL LINE CHECK VALVES ONLY. NOMOGRAM.
- (3) USE WITH ANTI-RESONANCE HSG. PRESSURIZED GEAR PUMP REQUIRED. NOMOGRAM.
- (4) PRESSURIZED GEAR PUMP. USE ANT-RESONANCE HOUSING. LEFT HAND DRIVE PUMP. FOR L10 HORIZONTAL ENGINE.
- (5) USE WITH ANTI-RESONANCE HSG. FOR HORIZONTAL L10 ENGINE. USE PRESSURIZED GEAR PUMP. LEFT HAND DRIVE PUMP.
- (6) PRESSURIZED GEAR PUMP. USE ANT-RESONANCE HOUSING. LEFT HAND DRIVE PUMP. FOR L10 HORIZONTAL ENGINE.

1 Pump Code	SC40-A	SC41-A	SC42-B	SC43-B	SC44-A	SC45-A	
2 Date - Control Parts List	SEP87 - 0966	SEP89 - 0703	JUN92 - 0835	JUN92 - 0835	JAN88 - 0894	OCT88 - 0773	1
3 Test HP @ RPM	225 - 235 @ 2100	274 - 286 @ 1900	294 - 306 @ 2100	245 - 255 @ 2100	304 - 316 @ 2100	284 - 296 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	122 - 134	149 - 165	152 - 168	126 - 140	139 - 153	160 - 176	4
6 Fuel Rate Pound Per Hour	82 - 86	89 - 93	96 - 100	82 - 86	101 - 105	93 - 97	5
7 Intake Manifold Press. In./Hg	28 - 36	35 - 43	37 - 45	29 - 37	45 - 53	36 - 44	6
8 Torque Rise % - Curve	18 -	10 -	26 -	38 - NONE	30 -	18 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	1930 - 1950	2240 - 2260	2130 - 2150	2240 - 2260	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM			2130 - 2150		2120 - 2140		11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2223 @ 15		2457 @ 15		2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2457 @ 15		2390 @ 15		17
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2457 @ 15		2390 @ 15		18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	27, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.		32 @ 650					21
23 Idle Speed cc @ RPM-Auto.	200 @ 600	170 @ 750	170 @ 750	210 @ 750	170 @ 1050	170 @ 750	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	135 @ 2100	164 @ 1900	167 @ 2100	133 @ 2100	154 @ 2100	175 @ 2100	24
26 Calibration Flow	430	383	391	358	458	399	25
27 Check Point (1) PSI @ RPM	80 - 86 @ 1300	114 - 120 @ 1300	129 - 135 @ 1300	111 - 117 @ 1300	118 - 124 @ 1300	114 - 120 @ 1300	26
28 Check Point (1) Flow	337	315	344	323	396	315	27
29 Check Point (2) PSI @ RPM	50 - 62 @ 1000	80 - 92 @ 1000		75 - 87 @ 1000		80 - 92 @ 1000	28
30 Check Point (2) Flow	272	260		270		260	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.840 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.820 - 143854	32
34 Idle Plunger Code - Part No.	42 - 140923	25 - 141631	20 - 141629	25 - 141631	20 - 141629	22 - 141630	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	153238 - .000	3001146 - .000	3053106 - .000	3000935 - .000	153238 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138782 - .020 -	138788 - .020 -	3821493 - .020 -	3002051 - .040 -	3002051 - .030 -	139586 - .000 -	40
42 VS Gov. Max. Spring - Ref. Shims			109687 - .000		109689 - .000		41
43 VS Gov. Idle Spring			70778		70778		42
44 VS Gov. Weights			163826		163826		43
45 VS Gov. Plunger			AR40230		AR40230		44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	7 - 3.4	10 - 4.9	8 - 3.9	8 - 3.9	6 - 2.9	10 - 4.9	47
49 AFC RPM - PSI	1600 - 42	1600 - 69	1600 - 43	1600 - 50	1600 - 29	1600 - 69	48
50 AFC Flow - pph	235	230	194	191	178	230	49
51 AFC Spring - Gage Height-In.	179820 -	179828 -	179834 -	179828 -	179826 -	179828 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 81	1600 - 71	1600 - 75	1600 - 75	1600 - 58	1600 - 71	52
54 AFC No Air Flow	330	253	239	239	273	253	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1987 LOCO	1987 AUTO	1987 AJST	1987 AJST		1987 AUTO	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LTA10-R	LTA.10.B290	LTA-10-300(LFC)	LTA10-250	LTA-10-A310	LTA-10-290	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

(1) PRESSURIZED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH MULTIPLE UNIT THROTTLE CONTROL. P1 ORIFICE SIZE .025/BLANK, P2 .027/BLANK, P3 .045/BLANK, P4 .070/BLANK. L10 HORIZONTAL RAILCAR.

(2) USE WITH ANTI-RESONANCE HSG. PRESSURIZED GEAR PUMP REQUIRED. USE WITH FUEL LINE CHECK VALVES ONLY. NOMOGRAM.

(3) PRESSURIZED GEAR PUMP REQUIRED. FOR USE WITH CHECK VALVES ONLY. PTG-AFC-VS. NOMOGRAM.

(4) PRESS GEAR PUMP REQUIRED GRAPHICAL NOMOGRAM.

(5) USE WITH ANTI-RESONANCE HSG. PRESSURIZED GEAR PUMP REQUIRED FOR USE WITH CHECK VALVES ONLY. PTG-AFC-VS NOMOGRAM

(6) USE WITH ANTI-RESONANCE HOUSING PRESSURIZED GEAR PUMP REQUIRED USE WITH FUEL LINE CHECK VALVES ONLY NOMOGRAM

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SC47-D - SC54-A

1 Pump Code	SC47-D	SC50-A	SC51-A	SC52-A	SC53-B	SC54-A	
2 Date - Control Parts List	JUN92 - 0995	MAR88 - 0776	NOV87 - 0978	NOV87 - 0978	AUG88 - 0882	AUG88 - 0882	1
3 Test HP @ RPM	294 - 306 @ 2100	245 - 255 @ 2100	323 - 337 @ 2100	299 - 311 @ 2100	216 - 224 @ 2100	216 - 224 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	133 - 147	137 - 151	180 - 200	159 - 175	113 - 125	113 - 125	4
6 Fuel Rate Pound Per Hour	95 - 99	83 - 86	103 - 107	98 - 102	77 - 80	77 - 80	5
7 Intake Manifold Press. In./Hg	35 - 43	35 - 43	37 - 45	34 - 42	30 - 38	30 - 38	6
8 Torque Rise % - Curve	27 - 0000	30 - C-4439	15 - 0000	25 - 0000	18 -	18 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2195 - 2215	2195 - 2215	2195 - 2215	2195 - 2215	2130 - 2150	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150			11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI					2457 @ 15	2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15			17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15			18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -			19
21 Throttle Travel-Auto. - VS, Lev	28 -	28 -	28 -	28 -	110 -	110 -	20
22 Idle Speed PSI @ RPM-Auto.	32 @ 650		32 @ 650		28 -	28 -	21
23 Idle Speed cc @ RPM-Auto.	130 @ 750	210 @ 750	170 @ 750	170 @ 750	21 @ 500	32 @ 650	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc					185 @ 610	170 @ 750	23
25 Calibration PSI @ RPM	150 @ 2100	151 @ 2100	190 @ 2100	187 @ 2100			24
26 Calibration Flow	418	363	433	406	119 @ 2100	119 @ 2100	25
27 Check Point (1) PSI @ RPM	114 - 120 @ 1300	115 - 121 @ 1300	129 - 135 @ 1300	129 - 135 @ 1300	340	340	26
28 Check Point (1) Flow	365	313	358	358	74 - 80 @ 1300	74 - 80 @ 1300	27
29 Check Point (2) PSI @ RPM	77 - 86 @ 1000	69 - 81 @ 1000	82 - 94 @ 1000	82 - 94 @ 1000	263	263	28
30 Check Point (2) Flow	300	253	288	288	45 - 57 @ 1000	45 - 57 @ 1000	29
31 Check Point (3) PSI @ RPM					204	204	30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.750 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.820 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	7 - 141624	25 - 141631	25 - 141631	15 - 139894	52 - 139618	55 - 139619	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3004755 - .000	3004755 - .000	143253 - .000	3051817 - .000	153238 - .000	153238 - .000	36
38 Gear Pump Size In.	.750	.750	1.000	1.000	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	3002051 - .040 -	3035817 - .000 -	139586 - .025 -	3035816 - .000 -	138784 - .010 -	138784 - .010 -	40
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109687 - .000	109687 - .000	109687 - .000			41
43 VS Gov. Idle Spring	70778	70778	70778	70778			42
44 VS Gov. Weights	163826	163826	163826	163826			43
45 VS Gov. Plunger	AR40230	AR40230	AR40230	AR40230			44
46 VS Gov. Sleeve	212148		212148	212148			45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI			6 - 2.9	6 - 2.9	8 - 3.9	8 - 3.9	47
49 AFC RPM - PSI	800 - 24		1600 - 98	1600 - 98	1600 - 80	1600 - 80	48
50 AFC Flow - pph	158		308	308	260	260	49
51 AFC Spring - Gage Height-In.	179828 -		179820 -	179820 -	179824 -	179824 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	800 - 27		1600 - 93	1600 - 93	1600 - 70	1600 - 70	52
54 AFC No Air Flow	167		296	296	243	243	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1987 EEC	1987 CONS	1987 AUTO	1987 AUTO	1988 AUTO	1988 AUTO	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LTAA10-325	LT10-A250	LT10-330	LT10-330	LT.10.8250H	LT.10.8250H	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH FUEL LINE CHECK VALVES ONLY. AIR TO AIR COOLED L10. DUAL SPRING AFC PUMP. BIAS SPRING # 3056072 10 IN/LB BLUE/WHITE. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (2) PRESSURIZED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. GRAPHICAL NOMOGRAM. AFC GUTLESS.
- (3) PRESSURIZED GEAR PUMP REQUIRED. GRAPHICAL NOMOGRAM.
- (4) PRESSURIZED GEAR PUMP REQUIRED. GRAPHICAL NOMOGRAM.
- (5) USE A PRESSURIZED GEAR PUMP. USE ANTI-RESONANCE HSG. LEFT HAND DRIVE PUMP. FOR USE ON L10 HORIZONTAL ENGINE ONLY.
- (6) USE A PRESSURIZED GEAR PUMP. USE ANTI-RESONANCE HSG. LEFT HAND DRIVE PUMP. FOR USE ON L10 HORIZONTAL ENGINE ONLY.

1 Pump Code	SC55-B	SC56-A	SC57-B	SC58-C	SC59-A	SC62-A	1
2 Date - Control Parts List	MAR88 - 0778	JAN88 - 0773	JAN89 - 0704	DEC91 - 0881	APR88 - 0000	MAR88 - 0835	2
3 Test HP @ RPM	265 - 275 @ 2100	284 - 296 @ 2100	216 - 224 @ 2100	176 - 184 @ 1850	245 - 255 @ 2100	279 - 291 @ 2200	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	146 - 162	160 - 176	113 - 125	88 - 98	125 - 139	151 - 166	5
6 Fuel Rate Pound Per Hour	89 - 93	93 - 97	73 - 76	64 - 67	83 - 86	93 - 97	6
7 Intake Manifold Press. in./Hg	36 - 44	36 - 44	30 - 38	26 - 32	31 - 39	36 - 44	7
8 Torque Rise % - Curve	27 - NONE	18 -	18 -	16 -	12 - 0000	50 - NONE	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	2195 - 2215	2130 - 2150	1880 - 1900	2130 - 2150	2230 - 2250	11
12 VS/Sec. Gov. Setting-RPM		2130 - 2150					12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15		2457 @ 15	2165 @ 15	2457 @ 15	2574 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI				1970 @ 15			15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2457 @ 15					18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2457 @ 15					19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.		32 @ 650	21 @ 500	15 @ 500	23 @ 700		22
23 Idle Speed cc @ RPM-Auto.	170 @ 750	170 @ 750	180 @ 550	185 @ 610	170 @ 750	170 @ 750	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	161 @ 2100	168 @ 2100	119 @ 2100	93 @ 1850	134 @ 2100	147 @ 1300	25
26 Calibration Flow	382	399	340	298	375	370	26
27 Check Point (1) PSI @ RPM	124 - 130 @ 1400	108 - 114 @ 1300	74 - 80 @ 1300	59 - 65 @ 1200	80 - 86 @ 1300	156 - 162 @ 2100	27
28 Check Point (1) Flow	329	315	263	238	291	389	28
29 Check Point (2) PSI @ RPM	78 - 90 @ 1000	74 - 86 @ 1000	45 - 57 @ 1000	41 - 53 @ 1000	51 - 63 @ 1000	92 - 106 @ 1000	29
30 Check Point (2) Flow	257	260	204	202	239	305	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.840 - 143854	.850 - 143854	.820 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	32 - 141634	30 - 141633	52 - 139618	45 - 138862	47 - 140924	10 - 141625	34
35 Fuel Pump Housing			3060211				35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004756 - .000	143253 - .000	153238 - .000	143254 - .000	153236 - .000	3004753 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	3002057 - .010 -	139585 - .025 -	138784 - .010 -	138791 - .020 - .620	138782 - .010 -	3002052 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims		109687 - .000					42
43 VS Gov. Idle Spring		70778					43
44 VS Gov. Weights		163826					44
45 VS Gov. Plunger		AR40230					45
46 VS Gov. Sleeve		212148					46
47 AFC Barrel & Plunger Assembly			3031298				47
48 AFC in./Hg - PSI	10 - 4.9	8 - 3.9	8 - 3.9	6 - 2.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 71	1600 - 100	1600 - 80	1600 - 70	1600 - 80	1600 - 43	49
50 AFC Flow - pph	244	313	260	210	260	194	50
51 AFC Spring - Gage Height-In.	179828 -	179820 -	179824 -	179808 -	179824 -	179834 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 74	1600 - 86	1600 - 70	800 - 30	800 - 31	1600 - 70	53
54 AFC No Air Flow	255	303	243	140	175	250	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1987 AUST	1988 AUTO	1988 AUTO	1988 AUTO	1988 AUTO	1988 AUST	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L-10		LT-10-B220	LT-10-B180H	LT-10-B250	LTA10-300	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESS GEAR PUMP REQUIRED USE ANTI-RESONANCE HSG. FOR USE WITH CHECK VALVES.
- (2) PRESSURIZED GEAR PUMP REQUIRED FOR USE BY SISU FOR SERVICE ONLY
- (3) USE A PRESSURIZED GEAR PUMP. USE ANTI-RESONANCE HSG.
- (4) USE WITH ANTI-RESONANCE HOUSING PRESSURIZED GEAR PUMP REQUIRED FOR L10 HORIZONTAL ENGINE ONLY. LEFT HAND DRIVE PUMP.
- (5) USE WITH ANTI-RESONANCE HSG. USE PRESSURIZED GEAR PUMP. SPECIAL FUEL CODE FOR MOSCOW ONLY. AIR INTAKE PRE-HEATER FITTED. FOR SERVICE ONLY.
- (6) PRESS GEAR PUMP REQUIRED TMD REGULATOR #204. TMD SPRING 70821. REGULATOR SETTING .170" SHIMS.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SC67-B - SC74-D

1 Pump Code	SC67-B	SC69-D	SC70-A	SC71-A	SC73-F	SC74-D	
2 Date - Control Parts List	JUN92 - 1198	OCT92 - 1198	MAR93 - 1198	MAR88 - 0717	FEB93 - 1208	APR93 - 0751	1
3 Test HP @ RPM	269 - 281 @ 2100	269 - 281 @ 2100	269 - 281 @ 2100	284 - 296 @ 2100	325 - 337 @ 2100	323 - 337 @ 2200	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	145 - 161	145 - 161	145 - 161	159 - 177	163 - 181	186 - 206	4
6 Fuel Rate Pound Per Hour	90 - 94	90 - 94	90 - 94	98 - 102	104 - 108	110 - 114	5
7 Intake Manifold Press. In./Hg	36 - 44	36 - 44	36 - 44	36 - 44	43 - 51	40 - 48	6
8 Torque Rise % - Curve	25 -	25 -	25 -	18 - 0000	15 -	18 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press. - PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2230 - 2250	2230 - 2250	2230 - 2250	2130 - 2150	2230 - 2250	2330 - 2350	10
12 VS/Sec. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2130 - 2150		2130 - 2150	2230 - 2250	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2525 @ 15	2580 @ 15	2457 @ 15	2570 @ 15	2690 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI		2365 @ 15	2420 @ 15		2410 @ 15	2530 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2380 @ 15	2420 @ 15		2475 @ 15	2550 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2250 @ 15	2260 @ 15		2315 @ 15	2390 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.				32 @ 650	32 @ 650		21
23 Idle Speed cc @ RPM-Auto.	160 @ 750	160 @ 750	160 @ 750	155 @ 750	170 @ 750	170 @ 750	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 750 - 160	@ 750 - 160		@ 750 - 170	@ 750 - 170	23
25 Calibration PSI @ RPM	154 @ 2100	161 @ 2100	163 @ 2100	168 @ 2100	170 @ 2100	196 @ 2200	24
26 Calibration Flow	380	375	355	399	452	430	25
27 Check Point (1) PSI @ RPM	110 - 116 @ 1300	114 - 120 @ 1300	116 - 122 @ 1300	108 - 114 @ 1300	112 - 118 @ 1300	141 - 147 @ 1400	26
28 Check Point (1) Flow	320	316	303	315	375	360	27
29 Check Point (2) PSI @ RPM	69 - 79 @ 1000	81 - 93 @ 1000	82 - 92 @ 1000	74 - 86 @ 1000	78 - 88 @ 1000	90 - 102 @ 1000	28
30 Check Point (2) Flow	255	266	257	260	300	290	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.820 - 143854	.820 - 143854	.820 - 143854	.800 - 143854	.750 - 143854	.840 - 143854	32
34 Idle Plunger Code - Part No.	30 - 141633	22 - 141630	20 - 141629	27 - 141632	20 - 141629	25 - 141631	33
35 Fuel Pump Housing		3054344	3069255		3054344	3054344	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143254 - .000	143254 - .000	143253 - .098	143253 - .000	153257 - .130	143252 - .110	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3040760	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	3002052 - .000	3002050 - .030 - .680	3821487 - .033 - .633	139584 - .050 -	3053163 - .118 - .618	3053169 - .110 - .610	40
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000	70821 - .000	109686 - .000		109687 - .000	109687 - .000	41
43 VS Gov. Idle Spring	70778	70778	70778		70778	70778	42
44 VS Gov. Weights	163826	163826	163826		163826	163826	43
45 VS Gov. Plunger	AR40230	AR40230	AR40230		AR40230	AR40230	44
46 VS Gov. Sleeve	212148	212148	212148		212148	212148	45
47 AFC Barrel & Plunger Assembly		3058944	3074225		3058944	3058944	46
48 AFC In./Hg - PSI				10 - 4.9			47
49 AFC RPM - PSI	800 - 30	800 - 30	800 - 30	1600 - 72	800 - 25	800 - 25	48
50 AFC Flow - pph	156	156	156	244	175	150	49
51 AFC Spring - Gage Height-In.	179828 -	179828 -	179820 - .117	179828 -	179828 -	179828 -	50
52 AFC Bias Spring		3051070	3071950		3051071	3051070	51
53 AFC No Air RPM - PSI	800 - 33	800 - 33	800 - 33	800 - 23	800 - 28	800 - 35	52
54 AFC No Air Flow	165	165	165	140	186	182	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve		3028325				3028325	60
62 Certified Year/Agency	1989 EEC	1988 EEC	1988 EEC	1988 AUTO	1988 AUTO	1988 AUTO	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LTA.10.275	LTA.10.275	LTA.10.275	LTA10-B290H	LTA.10.335	LTA.10.330.T	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP. DUAL SPRING AFC PUMP. BIAS SPRING # 3051070 RED/GREEN 25 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (2) PRESSURIZED GEAR PUMP. USE ANTI-RESONANCE HSG. DUAL SPRING AFC PUMP. BIAS SPRING # 3051070 RED/GREEN 25 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. USE WITH FUEL LINE CHECK VALVES ONLY.
- (3) PRESSURIZED GEAR PUMP. SHAPED PORT DUAL SPRING AFC PUMP. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. USE WITH 1/2 PSI CHECK VALVE ONLY.
- (4) USE WITH ANTI-RESONANCE HSG. FOR HORIZONTAL L10 ENGINE. USE WITH PRESSURIZED PEAR PUMP ONLY. LEFT HAND DRIVE PUMP. SAME AS SC24 EXCEPT NO-AIR TORQUE.
- (5) PRESSURIZED GEAR PUMP REQUIRED DUAL SPRING AFC PUMP ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET THEN ADJUST SECONDARY SCREW TO VALUE UNDER AFC NO-AIR SET.
- (6) PRESSURIZED GEAR PUMP REQUIRED USE WITH FUEL LINE CHECK VALVES BIAS SPRING # 3051070 25IN/LB RED/GREEN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY SCREW TO VALUE UNDER AFC NO-AIR SET.

1 Pump Code	SC75-B	SC76-B	SC77-B	SC78-B	SC79-B	SC80-B	
2 Date - Control Parts List	OCT92 - 0703	OCT92 - 0703	JUN92 - 0703	JUN92 - 0703	JUN92 - 0703	JUN92 - 0703	1
3 Test HP @ RPM	284 - 296 @ 2200	284 - 296 @ 2200	284 - 296 @ 2100	284 - 296 @ 2100	284 - 296 @ 2100	284 - 296 @ 2200	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	162 - 180	162 - 180	160 - 176	160 - 176	160 - 176	162 - 180	4
6 Fuel Rate Pound Per Hour	96 - 100	96 - 100	96 - 99	95 - 99	95 - 99	96 - 100	5
7 Intake Manifold Press. In./Hg	38 - 46	38 - 46	36 - 44	36 - 44	36 - 44	38 - 46	6
8 Torque Rise % - Curve	21 - 0000	21 - 0000	18 - 0000	18 - 0000	18 - 0000	21 - 0000	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2230 - 2250	2230 - 2250	2130 - 2150	2195 - 2215	2130 - 2150	2230 - 2250	10
12 VS/Sec. Gov. Setting-RPM				2130 - 2150			11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2574 @ 15	2574 @ 15	2457 @ 15		2457 @ 15	2574 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI		2420 @ 15	2300 @ 15		2310 @ 15		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2457 @ 15			17
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2457 @ 15			18
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	32 @ 650	21 @ 500	32 @ 650	32 @ 650	32 @ 650	21 @ 500	21
23 Idle Speed cc @ RPM-Auto.	170 @ 750	170 @ 550	170 @ 750	170 @ 750	170 @ 750	170 @ 550	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration-PSI @ RPM	171 @ 2200	171 @ 2200	168 @ 2100	175 @ 2100	175 @ 2100	178 @ 2200	24
26 Calibration Flow	403	403	399	399	399	403	25
27 Check Point (1) PSI @ RPM	114 - 120 @ 1400	114 - 120 @ 1400	109 - 115 @ 1300	115 - 121 @ 1300	114 - 120 @ 1300	121 - 127 @ 1400	26
28 Check Point (1) Flow	325	325	315	315	315	325	27
29 Check Point (2) PSI @ RPM	74 - 86 @ 1000	74 - 86 @ 1000	74 - 86 @ 1000	81 - 93 @ 1000	80 - 92 @ 1000	80 - 92 @ 1000	28
30 Check Point (2) Flow	260	260	260	260	260	260	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.840 - 143848	.860 - 143848	.810 - 143848	.800 - 143848	.820 - 143848	.840 - 143848	32
34 Idle Plunger Code - Part No.	32 - 141634	32 - 141634	27 - 141632	22 - 141630	30 - 141633	32 - 141634	33
35 Fuel Pump Housing		3279523	3279523		3279523		34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	153237 - .000	153237 - .000	153237 - .000	153238 - .000	3000940 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	3002054 - .040 -	3002054 - .040 - .640	139585 - .010 - .660	3002056 - .050 -	139587 - .030 - .630	3002054 - .040 -	40
42 VS Gov. Max. Spring - Ref. Shims				109687 - .000			41
43 VS Gov. Idle Spring				70778			42
44 VS Gov. Weights				163826			43
45 VS Gov. Plunger				AR40230			44
46 VS Gov. Sleeve				212148			45
47 AFC Barrel & Plunger Assembly		3058944	3059603		3058944		46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	800 - 30	800 - 30	800 - 30	800 - 30	800 - 30	800 - 30	48
50 AFC Flow - gph	151	151	151	151	151	151	49
51 AFC Spring - Gage Height-In.	179828 -	179828 -	179828 -	179828 -	179828 -	179828 -	50
52 AFC Bias Spring		3051071	3051071		3051071		51
53 AFC No Air RPM - PSI	800 - 33	800 - 33	800 - 33	800 - 33	800 - 33	800 - 33	52
54 AFC No Air Flow	160	160	160	160	160	160	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve					3028325		60
62 Certified Year/Agency	1988 EEC	1988 AUTO	1988 AUTO	1988 AUTO	1988 AUTO	1988 AUTO	61
63 Certified Year/Agency	1988 AUTO						62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LTA.10.B290	LTA.10.B290	LTA.10.B290	LTA.10.B290	LTA.10.B290	LTA.10.B290	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP. USE ANTI-RESONANCE HSG. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (2) PRESSURIZED GEAR PUMP. USE ANTI-RESONANCE HSG. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (3) PRESSURIZED GEAR PUMP. USE ANTI-RESONANCE HSG. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (4) PRESSURIZED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE ANTI-RESONANCE HSG. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (5) PRESSURIZED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE ANTI-RESONANCE HSG. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (6) PRESSURIZED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE ANTI-RESONANCE HSG. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SC81-B - SC86-B

1 Pump Code	SC81-B	SC82-B	SC83-B	SC84-B	SC85-B	SC86-B	1
2 Date - Control Parts List	JUN92 - 0703	JUN92 - 0703	JUN92 - 0703	JUN92 - 0703	JUN92 - 0703	JUN92 - 0773	2
3 Test HP @ RPM	284 - 296 @ 2200	284 - 296 @ 2100	284 - 296 @ 2100	274 - 286 @ 1900	276 - 288 @ 1900	284 - 296 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	162 - 180	160 - 176	160 - 176	149 - 165	150 - 166	160 - 176	5
6 Fuel Rate Pound Per Hour	96 - 100	95 - 99	95 - 99	89 - 93	89 - 93	95 - 99	6
7 Intake Manifold Press. In./Hg	38 - 46	36 - 44	36 - 44	35 - 43	34 - 42	36 - 44	7
8 Torque Rise % - Curve	21 - 0000	18 - 0000	18 - 0000	10 -	10 -	18 - 0000	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2230 - 2250	2130 - 2150	2130 - 2150	1930 - 1950	1930 - 1950	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2574 @ 15	2457 @ 15	2457 @ 15	2223 @ 15	2223 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.	32 @ 650	21 @ 500	32 @ 650	21 @ 500	32 @ 650	32 @ 650	22
23 Idle Speed cc @ RPM-Auto.	170 @ 750	170 @ 550	170 @ 650	170 @ 750	170 @ 550	170 @ 750	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	178 @ 2200	175 @ 2100	175 @ 2100	164 @ 1900	158 @ 1900	175 @ 2100	25
26 Calibration Flow	403	399	399	383	384	399	26
27 Check Point (1) PSI @ RPM	121 - 127 @ 1400	114 - 120 @ 1300	114 - 120 @ 1300	114 - 120 @ 1300	109 - 115 @ 1300	114 - 120 @ 1300	27
28 Check Point (1) Flow	325	315	315	315	315	315	28
29 Check Point (2) PSI @ RPM	80 - 92 @ 1000	80 - 92 @ 1000	80 - 92 @ 1000	80 - 92 @ 1000	77 - 89 @ 1000	80 - 92 @ 1000	29
30 Check Point (2) Flow	260	260	260	260	260	260	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.820 - 143848	.840 - 143848	.830 - 143848	.820 - 143854	.860 - 143854	.820 - 143848	33
34 Idle Plunger Code - Part No.	32 - 141634	30 - 141633	30 - 141633	27 - 141632	27 - 141632	30 - 141633	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000940 - .000	153238 - .000	153238 - .000	153238 - .000	153238 - .000	153238 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	3002054 - .040 -	139587 - .030 -	139587 - .030 -	138788 - .030 -	138788 - .040 -	139587 - .030 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly					3058944		47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	800 - 30	800 - 30	800 - 30	800 - 30	800 - 30	800 - 30	49
50 AFC Flow - pph	151	151	151	151	151	151	50
51 AFC Spring - Gage Height-In.	179828 -	179828 -	179828 -	179828 -	179828 -	179828 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	800 - 33	800 - 33	800 - 33	800 - 33	800 - 33	800 - 33	53
54 AFC No Air Flow	160	160	160	160	160	160	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1988 AUTO	1988 AUTO	1988 AUTO	1988 AUTO	1988 AUTO	1988 AUTO	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	LTA10-B290	LTA10-B290	LTA10-B290	LTA10-B290	LTA10-B290	LTA10.290	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE ANTI-RESONANCE HSG. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (2) PRESSURIZED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE ANTI-RESONANCE HSG. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (3) PRESSURIZED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE ANTI-RESONANCE HSG. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (4) PRESSURIZED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE ANTI-RESONANCE HSG. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (5) USE WITH ANTI-RESONANCE HSG. PRESSURIZED GEAR PUMP REQUIRED. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. USE AFC ASSEMBLY 3058944.
- (6) PRESSURIZED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE ANTI-RESONANCE HSG. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.

1 Pump Code	SC87-B	SC88-A	SC89-A	SC90-A	SC93-A	SC94-A	
2 Date - Control Parts List	OCT92 - 0894	JAN89 - 0704	OCT92 - 0799	JUN89 - 0776	JUN92 - 0835	DEC89 - 0881	1
3 Test HP @ RPM	269 - 281 @ 1800	240 - 250 @ 1900	176 - 184 @ 1850	245 - 255 @ 2200	245 - 255 @ 2100	206 - 214 @ 1850	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	116 - 128	125 - 139	88 - 98	138 - 152	126 - 140	109 - 121	4
6 Fuel Rate Pound Per Hour	88 - 92	79 - 83	60 - 63	85 - 89	82 - 86	72 - 76	5
7 Intake Manifold Press. In./Hg	34 - 42	31 - 39	26 - 32	33 - 41	29 - 37	30 - 38	6
8 Torque Rise % - Curve	9 -	11 -	16 -	26 -	38 -	9 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1890 - 1910	1930 - 1950	1880 - 1900	2230 - 2250	2200 - 2230	1880 - 1900	10
12 VS/Sec. Gov. Setting-RPM	1820 - 1840				2130 - 2150		11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2223 @ 15	2130 @ 15	2574 @ 15		2140 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI			1970 @ 15				14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	1980 @ 15				2457 @ 15		17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1980 @ 15				2457 @ 15		18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 - 12	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lever	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.		18 @ 500	15 @ 500			15 @ 500	21
23 Idle Speed cc @ RPM-Auto.	170 @ 730	180 @ 550	185 @ 560	170 @ 750	210 @ 750	185 @ 610	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	129 @ 1800	132 @ 1900	93 @ 1850	145 @ 2200	133 @ 2100	121 @ 1850	24
26 Calibration Flow	425	359	298	353	358	285	25
27 Check Point (1) PSI @ RPM	93 - 99 @ 1300	90 - 96 @ 1300	59 - 65 @ 1200	102 - 108 @ 1400	109 - 115 @ 1300	83 - 89 @ 1300	26
28 Check Point (1) Flow	367	294	238	298	323	238	27
29 Check Point (2) PSI @ RPM	64 - 76 @ 1000	57 - 69 @ 1000	41 - 53 @ 1000	55 - 67 @ 1000	72 - 84 @ 1000	52 - 64 @ 1000	28
30 Check Point (2) Flow	305	233	202	225	270	207	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.770 - 143854	.820 - 143854	.800 - 143854	- 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	32 - 141634	40 - 137370	45 - 138862	45 - 138862	25 - 141631	45 - 138862	33
35 Fuel Pump Housing	3821589	3060211	3060211				34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153235 - .115	153238 - .000	143254 - .000	143253 - .000	3051817 - .000	153238 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040760	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	138788 - .060 - .660	138788 - .030 - .630	138791 - .020 - .620	3002049 - .010 -	3035821 - .000 -	138788 - .040 -	40
42 VS Gov. Max. Spring - Ref. Shims	101002 - .000				109687 - .000		41
43 VS Gov. Idle Spring	70778				70778		42
44 VS Gov. Weights	163826				163826		43
45 VS Gov. Plunger	AR40230				AR40230		44
46 VS Gov. Sleeve					212148		45
47 AFC Barrel & Plunger Assembly	3031298	3031298	3031298				46
48 AFC In./Hg - PSI	6 - 2.9	8 - 3.9	6 - 2.9		8 - 3.9	6 - 2.9	47
49 AFC RPM - PSI	1600 - 29	1600 - 99	1600 - 70		1600 - 50	1600 - 70	48
50 AFC Flow - pph	178	295	210		191	210	49
51 AFC Spring - Gage Height-In.	179826 -	179824 -	179808 -		179828 -	179808 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 62	800 - 39	800 - 30		1600 - 75	800 - 30	52
54 AFC No Air Flow	273	150	140		239	140	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1988 CONS	1989 AUTO	1989 AUTO		1990 AUST		61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LT-10.C325	LT-10.B250	LT-10.B180	LT-10.C250	LT-10-300	LT-10.B215H	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)		SEE NOTE (6)	66

NOTES

- (1) USE PRESSURIZED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE ANTI-RESONANCE HSG. TORQUE SPRING GUAGE SETTING - .660".
- (2) USE WITH ANTI-RESONANCE HSG. PRESSURIZED GEAR PUMP REQUIRED. NOMOGRAM.
- (3) USE WITH ANTI-RESONANCE HOUSING PRESSURIZED GEAR PUMP REQUIRED
- (4) USE PRESSURIZED GEAR PUMP. USE WITH ANTI-RESONANCE HSG. PTG-AUTO-AFC GUTLESS.
- (6) USE WITH ANTI-RESONANCE HOUSING. PRESSURIZED GEAR PUMP REQUIRED. LEFT HAND DRIVE PUMP. FOR HORIZONTAL L-10 ENGINE. USE WITH FUEL LINE CHECK VALVE ONLY.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SC95-A - SD01-A

1 Pump Code	SC95-A	SC96-B	SC97-A	SC98-C	SC99-A	SD01-A	1
2 Date - Control Parts List	AUG89 - 0717	OCT92 - 0775	AUG89 - 0775	OCT92 - 0775	SEP89 - 0717	SEP89 - 0717	2
3 Test HP @ RPM	274 - 286 @ 2100	270 - 282 @ 1800	284 - 296 @ 2100	269 - 281 @ 2100	284 - 296 @ 2100	265 - 275 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	156 - 172	153 - 169	161 - 178	149 - 165	159 - 177	146 - 162	5
6 Fuel Rate Pound Per Hour	93 - 97	87 - 91	94 - 98	89 - 93	98 - 102	93 - 97	6
7 Intake Manifold Press. In./Hg	36 - 44	34 - 42	37 - 45	37 - 45	36 - 44	36 - 44	7
8 Torque Rise % - Curve	20 - 0000			12 -	18 - 0000	27 - NONE	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	1895 - 1915	2130 - 2140	2130 - 2150	2130 - 2150	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM		1830 - 1850					12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2200 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI		2000 @ 15		2231 @ 15			15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2106 @ 15					18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		1980 @ 15					19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lever		28, - 1	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.		42 @ 1000			33 @ 500		22
23 Idle Speed cc @ RPM-Auto.	250 @ 700	200 @ 740	170 @ 800	140 @ 750	175 @ 610	175 @ 610	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 1100 - 166					24
25 Calibration PSI @ RPM	175 @ 2100	161 @ 1800	178 @ 2100	152 @ 2100	175 @ 2100	161 @ 2100	25
26 Calibration Flow	440	375	385	377	399	381	26
27 Check Point (1) PSI @ RPM	109 - 115 @ 1300		121 - 127 @ 1300	95 - 101 @ 1300	115 - 121 @ 1300	124 - 130 @ 1400	27
28 Check Point (1) Flow	347		316	295	315	329	28
29 Check Point (2) PSI @ RPM	78 - 90 @ 1000			67 - 75 @ 1000	81 - 93 @ 1000	78 - 90 @ 1000	29
30 Check Point (2) Flow	290			245	260	257	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.830 - 143848		.775 - 143854	.775 - 143855	.820 - 143854	.840 - 143854	33
34 Idle Plunger Code - Part No.	22 - 141630	22 - 141630	22 - 141630	22 - 141630	25 - 141631	27 - 141632	34
35 Fuel Pump Housing		3035694		3060695			35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	143253 - .000	143253 - .000	143254 - .000	153237 - .000	143253 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3040760	3040760	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	139587 - .030 -	138780 - .000 - .650	138784 - .040 -	142870 - .060 - .760	3002047 - .010 -	3002058 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims		109686 - .000					42
43 VS Gov. Idle Spring		70778					43
44 VS Gov. Weights		163826					44
45 VS Gov. Plunger		AR40230					45
46 VS Gov. Sleeve		212148					46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	10 - 4.9				10 - 4.9	10 - 4.9	48
49 AFC RPM - PSI	1600 - 69				1600 - 72	1600 - 69	49
50 AFC Flow - pph	230				244	230	50
51 AFC Spring - Gage Height-In.	179828 -				179828 -	179828 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 69				800 - 39	1600 - 71	53
54 AFC No Air Flow	262				150	253	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	LTA10-R	LTA.10.C290	LTA.10.C290	LTA.10.C290	LTA10-B290H	LTA10-B290H	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) RAIL APPLICATION ONLY MUTC CODE. USE WITH FUEL LINE CHECK VALVES ONLY. PRESSURISED GEAR PUMP. R.H. DRIVE PUMP. DRIFICE SIZE P1 .023"/BLANK.P2 .027"/BLANK P3 .042"/BLANK.P4 .070"/BLANK.P5 BLANK
- (2) PRESS GEAR PUMP REQUIRED AFC GUTLESS NO WT ASSIST SPRING OR PLUNGER REQUIRED VS IDLE SETTING 166 CC/MIN @ 1100 RPM FOR SINGLE LEVER APPLICATIONS ONLY SET AUTO. LADLE TO 200 CC/MIN @ 740 RPM.
- (3) PRESS GEAR PUMP REQUIRED USE FUEL PUMP HSG P/N 3048248 USE EFC VALVE P/N 3052504 FOR USE WITH CHECK VALVES ONLY
- (4) USE PRESSURIZED GEAR PUMP USE WITH ANTI RESONANCE HSG PTG-AUTO-AFC GUTLESS
- (5) USE WITH ANTI-RESONANCE HSG. LEFT HAND DRIVE PUMP. PRESSURISED GEAR PUMP REQUIRED. FOR USE WITH FUEL LINE CHECK VALVES ONLY. FOR HORIZONTAL L-10 ENGINE.
- (6) USE WITH ANTI-RESONANCE HSG. FOR HORIZONTAL L 10 ENGINE. PRESSURISED GEAR PUMP REQUIRED. LEFT HAND DRIVE PUMP. FOR USE WITH FUEL LINE CHECK VALVE ONLY.

1 Pump Code	SD02-C	SD03-A	SD04-A	SD05-A	SD06-A	SD07-A	
2 Date - Control Parts List	OCT92 - 0776	SEP89 - 0776	SEP89 - 0882	SEP89 - 0882	SEP89 - 0881	OCT89 - 0894	1
3 Test HP @ RPM	212 - 220 @ 1800	212 - 220 @ 1800	245 - 255 @ 2100	216 - 224 @ 2100	176 - 184 @ 1850	302 - 314 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	113 - 125	113 - 125	138 - 152	113 - 125	88 - 98	140 - 154	4
6 Fuel Rate Pound Per Hour	70 - 73	70 - 73	86 - 90	77 - 80	64 - 67	98 - 102	5
7 Intake Manifold Press. In./Hg	25 - 31	25 - 31	35 - 43	30 - 38	26 - 32	43 - 51	6
8 Torque Rise % - Curve	7 - NONE	7 - NONE	20 - 0000000000	18 -	16 -	8 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1900 - 1925	1900 - 1925	2130 - 2150	2130 - 2150	1880 - 1900	1890 - 1910	10
12 VS/Sec. Gov. Setting-RPM	1830 - 1850	1830 - 1850					11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2120 @ 15		2500 @ 15	2457 @ 15	2165 @ 15	2223 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	1980 @ 15		2300 @ 15				14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2060 @ 15	2000 @ 15					17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1940 @ 15	2000 @ 15					18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto. VS. Levr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.				21 @ 500	15 @ 500		21
23 Idle Speed cc @ RPM-Auto.	160 @ 850	160 @ 750	185 @ 610	185 @ 610	185 @ 610	170 @ 730	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 850 - 160						23
25 Calibration PSI @ RPM	116 @ 1800	109 @ 1800	150 @ 2100	127 @ 2100	99 @ 1850	157 @ 1800	24
26 Calibration Flow	314	314	333	304	265	438	25
27 Check Point (1) PSI @ RPM	82 - 88 @ 1300	76 - 82 @ 1300	96 - 102 @ 1300	78 - 84 @ 1300	65 - 71 @ 1200	109 - 115 @ 1300	26
28 Check Point (1) Flow	260	260	269	242	220	368	27
29 Check Point (2) PSI @ RPM			62 - 74 @ 1000	48 - 60 @ 1000	46 - 58 @ 1000	72 - 84 @ 1000	28
30 Check Point (2) Flow			222	194	191	303	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.820 - 143855	.820 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	47 - 140924	25 - 141631	35 - 140922	52 - 139618	50 - 140925	25 - 141631	33
35 Fuel Pump Housing	3035694		3075863				34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	143253 - .000	3000941 - .000	153238 - .000	143254 - .000	153237 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	39
41 Torque Spring - Shims - Gage Height	142696 - .000 - .650	142696 - .000 -	3002055 - .030 - .630	138784 - .010 -	138791 - .040 -	138785 - .030 -	40
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000	70821 - .000					41
43 VS Gov. Idle Spring	70778	70778					42
44 VS Gov. Weights	163826	163826					43
45 VS Gov. Plunger	212350	212350					44
46 VS Gov. Sleeve	212148	212148					45
47 AFC Barrel & Plunger Assembly			3031298				46
48 AFC In./Hg - PSI			8 - 3.9	8 - 3.9	6 - 2.9		47
49 AFC RPM - PSI			1600 - 80	1600 - 80	1600 - 70		48
50 AFC Flow - pph			260	260	210		49
51 AFC Spring - Gage Height-In.			179824 -	179824 -	179808 -		50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI			1600 - 70	1600 - 70	800 - 30		52
54 AFC No Air Flow			243	243	140		53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve	3028325		3028325				60
62 Certified Year/Agency						1989 CONS	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L-10	L-10	LT10-B250H	LT10-B250H	LT10-B215H	LTA 10.C325	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURISED GEAR PUMP REQUIRED. FOR USE WITH FUEL LINE CHECK VALVE ONLY. USE WITH ANTI-RESONANCE HSG.
- (2) PRESSURISED GEAR PUMP REQUIRED. USE ANTI-RESONANCE HSG.
- (3) PRESSURISED GEAR PUMP REQUIRED. USE ANTI-RESONANCE HSG. LEFT HAND DRIVE PUMP. FOR L10 HORIZONTAL ENGINE. USE WITH FUEL LINE CHECK VALVE ONLY.
- (4) PRESSURISED GEAR PUMP REQUIRED. USE ANTI-RESONANCE HSG. LEFT HAND DRIVE PUMP. FOR USE ON L10 HORIZONTAL ENGINE ONLY. USE WITH FUEL LINE CHECK VALVE ONLY.
- (5) USE WITH ANTI-RESONANCE HOUSING PRESSURIZED GEAR PUMP REQUIRED FOR L10 HORIZONTAL ENGINE ONLY. LEFT HAND DRIVE PUMP. USE WITH FUEL LINE CHECK VALVE ONLY.
- (6) 24 V EFC REQUIRED USE PRESSURIZED GEAR PUMP USE WITH FUEL LINE CHECK VALVES ONLY USE WITH ANTI-RESONANCE HOUSING

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SD09-B - SD14-A

1 Pump Code	SD09-B	SD10-B	SD11-A	SD12-A	SD13-B	SD14-A	1
2 Date - Control Parts List	MAR90 - 1223	OCT92 - 0704	OCT92 - 0958	JAN90 - 0799	JUN91 - 0958	OCT92 - 0776	2
3 Test HP @ RPM	343 - 357 @ 2200	240 - 250 @ 1900	270 - 280 @ 1800	157 - 163 @ 1850	265 - 275 @ 2100	245 - 255 @ 2200	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	210 - 230	125 - 139	148 - 164	76 - 84	145 - 161	139 - 153	5
6 Fuel Rate Pound Per Hour	113 - 118	79 - 83	87 - 91	55 - 58	86 - 90	85 - 89	6
7 Intake Manifold Press. In./Hg	42 - 50	31 - 39	36 - 44	26 - 32	36 - 44	40 - 48	7
8 Torque Rise % - Curve	14 -	11 -		12 -	20 - 0000	26 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2295 - 2315	1930 - 1950	1890 - 1910	1880 - 1900	2230 - 2250	2330 - 2350	11
12 VS/Sec. Gov. Setting-RPM	2230 - 2250		1830 - 1850		2120 - 2140	2220 - 2240	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2600 @ 15	2184 @ 15	2120 @ 15	2165 @ 15		2660 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2380 @ 15	2024 @ 15	1980 @ 15			2470 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2574 @ 15		2120 @ 15		2457 @ 15	2500 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2310 @ 15		1970 @ 15		2310 @ 15	2300 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 - 12	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	32 @ 650	18 @ 500		15 @ 500	32 @ 650		22
23 Idle Speed cc @ RPM-Auto.	160 @ 700	210 @ 750	300 @ 700	185 @ 560	300 @ 700	210 @ 750	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 160		@ 700 - 300		@ 700 - 300		24
25 Calibration PSI @ RPM	220 @ 2200	132 @ 1900	168 @ 1800	81 @ 1850	152 @ 2100	145 @ 2200	25
26 Calibration Flow	484	359	375	270	398	360	26
27 Check Point (1) PSI @ RPM	124 - 130 @ 1400	90 - 96 @ 1300	128 - 134 @ 1300	47 - 53 @ 1200	110 - 116 @ 1300	101 - 107 @ 1400	27
28 Check Point (1) Flow	362	294	323	205	342	300	28
29 Check Point (2) PSI @ RPM	68 - 80 @ 1000	57 - 69 @ 1000	89 - 99 @ 1000	33 - 41 @ 1000		60 - 72 @ 1000	29
30 Check Point (2) Flow	273	233	271	174		236	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.810 - 143854	.820 - 143854	- 143854	.800 - 143854	.775 - 143854	- 143854	33
34 Idle Plunger Code - Part No.	25 - 141631	40 - 137370	17 - 140417	65 - 141637	22 - 141630	37 - 140418	34
35 Fuel Pump Housing	3054344	3060211	3057808			3035694	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3001156 - .000	153238 - .000	143254 - .000	143254 - .000	3004753 - .000	3001147 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3040750	3010810	3040760	3010810	40
41 Torque Spring - Shims - Gage Height	142865 - .020 - .720	138788 - .030 - .630	138780 - .000 - .650	138786 - .000 -	3002049 - .020 - .670	3002047 - .050 - .700	41
42 VS Gov. Max. Spring - Ref. Shims	109689 - .000		109686 - .000		109687 - .000	109687 - .000	42
43 VS Gov. Idle Spring	70778		70778		70778	70778	43
44 VS Gov. Weights	163826		163826		163826	163826	44
45 VS Gov. Plunger	AR40230		212350		AR40230	212350	45
46 VS Gov. Sleeve	212148		212148		212148	212148	46
47 AFC Barrel & Plunger Assembly	3058944	3031298	3036903				47
48 AFC In./Hg - PSI		8 - 3.9	8 - 3.9	6 - 2.9	8 - 3.9		48
49 AFC RPM - PSI	800 - 22	1600 - 99	1600 - 46	1600 - 60	1600 - 35		49
50 AFC Flow - pph	165	295	178	210	180		50
51 AFC Spring - Gage Height-In.	179828 -	179824 -	179826 -	179808 -	179826 -		51
52 AFC Bias Spring	3051071						52
53 AFC No Air RPM - PSI	800 - 28	800 - 39	1600 - 82	800 - 25	1600 - 68		53
54 AFC No Air Flow	180	150	256	140	260		54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve			3028325				61
62 Certified Year/Agency		1990 AUTO		1990 AUTO	1999 CONS	1989 CONS	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	LTA 10.350	LT 10.8250	LTA10-C	LT10-B160	LTA10-C290	LT10-C-250	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP REQUIRED DUAL SPRING AFC PUMP BIAS SPRING # 3051070 25 IN/LB RED/GREEN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET THEN ADJUST SECONDARY SCREW TO VALUE UNDER AFC NO-AIR SET. REST RELEASE FOR FIRE TRUCK APPLICATION ONLY
- (2) USE WITH ANTI-RESONANCE HSG. PRESSURIZED GEAR PUMP REQUIRED. NOMOGRAM.
- (3) PRESSURIZED GEAR PUMP VS IDLE SETTING 300CC/MIN @ 700 RPM USE WITH SUPPLY AND DRAIN CHECK VALVES. USE 3057808 PUMP HOUSING
- (4) USE WITH ANTI-RESONANCE HOUSING. PRESSURIZED GEAR PUMP REQUIRED. SERVICE ONLY.
- (5) PRESSURIZED GEAR PUMP. PTG/AFC/VS TYPE PUMP.
- (6) USE PRESSURIZED GEAR PUMP. AFC GUTLESS

1 Pump Code	SD17-B	SD18-B	SD19-B	SD20-B	SD22-B	SD23-A	
2 Date - Control Parts List	JUN92 - 1453	JUN92 - 1453	JUN92 - 1453	JUN92 - 1453	JUN92 - 0770	AUG90 - 0775	1
3 Test HP @ RPM	176 - 184 @ 1850	176 - 184 @ 1850	176 - 184 @ 1850	176 - 184 @ 1850	245 - 255 @ 2100	269 - 281 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	88 - 98	88 - 98	88 - 98	88 - 98	132 - 146	149 - 165	4
6 Fuel Rate Pound Per Hour	60 - 63	60 - 63	60 - 63	60 - 63	83 - 86	89 - 93	5
7 Intake Manifold Press. In./Hg	30 - 36	30 - 36	30 - 36	30 - 36	35 - 43	37 - 45	6
8 Torque Rise % - Curve	16 -	16 -	16 -	16 -	20 - 0000	12 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1880 - 1900	1880 - 1900	1880 - 1900	1880 - 1900	2195 - 2215	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM					2130 - 2150		11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2160 @ 15	2160 @ 15	2160 @ 15	2160 @ 15			13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI					2457 @ 15	2457 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI					2310 @ 15	2457 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.	15 @ 500	15 @ 500	15 @ 500	15 @ 500	23 @ 800		21
23 Idle Speed cc @ RPM-Auto.	200 @ 460	200 @ 460	200 @ 560	200 @ 560	270 @ 850	170 @ 750	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc					@ 850 - 270		23
25 Calibration PSI @ RPM	94 @ 1850	91 @ 1850	94 @ 1850	91 @ 1850	143 @ 2100	165 @ 2100	24
26 Calibration Flow	298	298	298	298	365	377	25
27 Check Point (1) PSI @ RPM	61 - 67 @ 1200	59 - 65 @ 1200	61 - 67 @ 1200	59 - 65 @ 1200	91 - 97 @ 1300	102 - 108 @ 1300	26
28 Check Point (1) Flow	244	242	244	242	290	295	27
29 Check Point (2) PSI @ RPM	42 - 54 @ 1000	40 - 52 @ 1000	42 - 54 @ 1000	40 - 52 @ 1000	57 - 69 @ 1000	71 - 79 @ 1000	28
30 Check Point (2) Flow	208	208	208	208	235	245	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	800 - 143854	800 - 143854	800 - 143854	800 - 143854	800 - 143854	775 - 143855	32
34 Idle Plunger Code - Part No.	45 - 138862	45 - 138862	45 - 138862	45 - 138862	32 - 141634	22 - 141630	33
35 Fuel Pump Housing						3060695	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143254 - .000	143254 - .000	143254 - .000	143254 - .000	143252 - .000	143254 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3040760	39
41 Torque Spring - Shims - Gage Height	138791 - .000 -	138791 - .000 -	138791 - .000 -	138791 - .000 -	139584 - .040 - .690	142870 - .060 -	40
42 VS Gov. Max. Spring - Ref. Shims					109687 - .000		41
43 VS Gov. Idle Spring					70778		42
44 VS Gov. Weights					163826		43
45 VS Gov. Plunger					AR40230		44
46 VS Gov. Sleeve					212148		45
47 AFC Barrel & Plunger Assembly					3058944		46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	800 - 20	800 - 20	800 - 20	800 - 20	800 - 29		48
50 AFC Flow - pph	131	131	131	131	151		49
51 AFC Spring - Gage Height-In.	179808 -	179808 -	179808 -	179808 -	179824 -		50
52 AFC Bias Spring					3051071		51
53 AFC No Air RPM - PSI	800 - 23	800 - 23	800 - 23	800 - 23	800 - 32		52
54 AFC No Air Flow	140	140	140	140	160		53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve						3028325	60
62 Certified Year/Agency	1990 EEC	1990 EEC	1990 EEC	1990 EEC			61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LT10-B180-10	LT10-B180-10	LT10-B180-10	LT10-B180-10	LT10-250	LTA.10.C290	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) USE WITH ANTI-RESONANCE HOUSING PRESSURIZED GEAR PUMP REQUIRED DUAL SPRING AFC PUMP GREEN BIAS SPRING 3051071 FOR USE WITH CHECK VALVES
- (2) USE WITH ANTI-RESONANCE HOUSING PRESSURIZED GEAR PUMP REQUIRED DUAL SPRING AFC PUMP GREEN BIAS SPRING 3051071
- (3) USE WITH ANTI-RESONANCE HOUSING PRESSURIZED GEAR PUMP REQUIRED DUAL SPRING AFC PUMP GREEN BIAS SPRING 3051071 FOR USE WITH CHECK VALVES
- (4) USE WITH ANTI-RESONANCE HOUSING PRESSURIZED GEAR PUMP REQUIRED DUAL SPRING AFC PUMP GREEN BIAS SPRING 3051071
- (5) PRESSURIZED GEAR PUMP. USE 1/2PSI CHECK VALV IN SUPPLY LINE 20.11.8 DUAL SPRING AFC PUMP. BIAS SPRING #3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (6) USE PRESSURIZED GEAR PUMP USE WITH ANTI RESONANCE HSG PTG-AUTO-AFC GUTLESS WITH CHECK VALVES 5 PSI SUPPLY

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SD24-A - SD32-A

1 Pump Code	SD24-A	SD27-C	SD29-A	SD30-B	SD31-B	SD32-A	1
2 Date - Control Parts List	SEP90 - 0882	OCT92 - 1459	NOV90 - 0966	JUN92 - 0703	OCT92 - 0770	JAN91 - 0894	2
3 Test HP @ RPM	245 - 255 @ 2100	274 - 286 @ 1900	245 - 255 @ 2100	276 - 288 @ 1900	245 - 255 @ 2100	302 - 314 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	138 - 152	149 - 165	125 - 137	150 - 166	132 - 146	129 - 143	5
6 Fuel Rate Pound Per Hour	86 - 90	89 - 93	83 - 87	89 - 93	83 - 86	95 - 99	6
7 Intake Manifold Press. In./Hg	35 - 43	35 - 43	31 - 39	34 - 42	35 - 43	41 - 49	7
8 Torque Rise % - Curve	20 - 0000000000	10 -	18 -	10 -	20 - 0000	9 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	1930 - 1950	2130 - 2150	1930 - 1950	2195 - 2215	1900 - 1920	11
12 VS/Sec. Gov. Setting-RPM					2130 - 2150	1820 - 1840	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2600 @ 15	2223 @ 15	2457 @ 15		2480 @ 15		14
15 Min. Auto. Gov. Check-RPM @ PSI	2450 @ 15	2028 @ 15			2340 @ 15		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2450 @ 15			2223 @ 15	2460 @ 15	2100 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2300 @ 15			2223 @ 15	2330 @ 15	2100 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.		32 @ 650		21 @ 500			22
23 Idle Speed cc @ RPM-Auto.	180 @ 750	170 @ 750	280 @ 750	170 @ 550	210 @ 750	200 @ 740	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc					@ 860 - 200		24
25 Calibration PSI @ RPM	150 @ 2100	164 @ 1900	131 @ 2100	158 @ 1900	139 @ 2100	145 @ 1800	25
26 Calibration Flow	333	383	500	384	370	465	26
27 Check Point (1) PSI @ RPM	96 - 102 @ 1300	114 - 120 @ 1300	96 - 102 @ 1300	109 - 115 @ 1300	90 - 96 @ 1300	103 - 110 @ 1300	27
28 Check Point (1) Flow	269	315	431	315	294	400	28
29 Check Point (2) PSI @ RPM	62 - 74 @ 1000	80 - 92 @ 1000	54 - 66 @ 1000	77 - 89 @ 1000	59 - 71 @ 1000	72 - 80 @ 1000	29
30 Check Point (2) Flow	222	260	338	260	236	335	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.820 - 143855	.820 - 143854	.800 - 143854	.860 - 143854	- 143855	.820 - 143854	33
34 Idle Plunger Code - Part No.	35 - 140922	27 - 141632	42 - 140923	27 - 141632	37 - 140418	22 - 141630	34
35 Fuel Pump Housing		3279523			3054344		35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000941 - .245	153238 - .000	153238 - .000	153238 - .000	143253 - .000	153237 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	3002055 - .030 - .584	138788 - .030 - .630	139585 - .020 -	138788 - .040 -	3002047 - .020 - .670	138780 - .000 -	41
42 VS Gov. Max. Spring - Ref. Shims					109688 - .000	70821 - .000	42
43 VS Gov. Idle Spring					70778	70778	43
44 VS Gov. Weights					163826	163826	44
45 VS Gov. Plunger					AR40230	AR40230	45
46 VS Gov. Sleeve					212148	212148	46
47 AFC Barrel & Plunger Assembly		3058944			3058944		47
48 AFC In./Hg - PSI	8 - 3.9		7 - 3.4				48
49 AFC RPM - PSI	1600 - 80	800 - 20	1600 - 42	800 - 32	800 - 26	800 - 16	49
50 AFC Flow - pph	260	126	235	161	156	140	50
51 AFC Spring - Gage Height-In.	179824 -	179828 -	179820 -	179828 -	179824 -	179828 -	51
52 AFC Bias Spring		3051071			3051072		52
53 AFC No Air RPM - PSI	800 - 25	800 - 23	1600 - 81	800 - 35	800 - 29	800 - 21	53
54 AFC No Air Flow	125	135	330	170	165	165	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		3028325					61
62 Certified Year/Agency		1990 AUTO				1991 CONS	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	LT10-B250H	LTA10-B290	LTA10-R	LTA10-B290	LT10-250	LTA10-C325	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURISED GEAR PUMP REQUIRED. USE ANTI-RESONANCE HSG. LEFT HAND DRIVE PUMP. FOR L10 HORIZONTAL ENGINE. ALTITUDE REDUCED NO AIR SETTING
- (2) PRESSURISED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE ANTI-RESONANCE HSG. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (3) PRESSURISED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH MULTIPLE UNIT THROTTLE CONTROL. P1 ORIFICE SIZE .025/BLANK, P2 .027/BLANK, P3 .043/BLANK, P4 .070/BLANK L10 HORIZONTAL RAILCAR.
- (4) USE WITH ANTI-RESONANCE HSG. PRESSURISED GEAR PUMP REQUIRED. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 LB/IN. CALIBRATE PUMP AS NORMAL WITH TLV ENERGISED. DE-ENERGISE TLV & SET TLV ADJUSTING SCREW TO GIVE 100 PSI @ 300 LB/HR @ 1900 RPM.
- (5) PRESSURISED GEAR PUMP REQUIRED. DUAL SPRING AFC PUMP. BIAS SPRING # 3051072 PURPLE 40 LB/IN. ADJUST AFC SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY SCREW TO VALUE UNDER AFC NO-AIR SET. SET AUTO IDLE TO 210 @ 750 RPM. SET VS IDLE TO 200 @ 860 RPM. AUTO THROTTLE TO BE LOCKED FULLY OPEN.
- (6) DUAL SPRING AFC PUMP. BIAS SPRING BIAS # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. SET AUTO LOW IDLE TO 200 CC/MIN @ 740 RPM. SET VS LOW IDLE TO 200 CC/MIN @ 880 RPM.

1 Pump Code	SD33-C	SD34-C	SD35-A	SD36-A	SD37-A	SD38-B	
2 Date - Control Parts List	JUN92 - 0958	OCT92 - 0958	MAR91 - 0776	OCT92 - 0775	APR92 - 0776	OCT92 - 1454	1
3 Test HP @ RPM	265 - 275 @ 2100	265 - 275 @ 2100	191 - 199 @ 1900	284 - 296 @ 2100	220 - 230 @ 2100	206 - 214 @ 1850	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	152 - 168	152 - 168	90 - 100	161 - 178	118 - 130	108 - 120	4
6 Fuel Rate Pound Per Hour	87 - 93	87 - 93	64 - 68	94 - 98	76 - 80	72 - 76	5
7 Intake Manifold Press. In./Hg	36 - 44	36 - 44	26 - 32	40 - 48	31 - 39	30 - 38	6
8 Torque Rise % - Curve	20 -	20 -	14 -	10 - NONE	20 - LT10C-225	9 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2220 - 2240	2220 - 2240	2095 - 2115	2195 - 2215	2130 - 2150	1880 - 1900	10
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	2120 - 2140	1930 - 1950	2130 - 2150			11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI					2400 @ 15	2180 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI					2200 @ 15	2010 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2360 @ 15	2120 @ 15	2280 @ 15			17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2310 @ 15	2360 @ 15	2120 @ 15	2280 @ 15			18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.						15 @ 500	21
23 Idle Speed cc @ RPM-Auto.	200 @ 800	200 @ 750	180 @ 750	170 @ 800	300 @ 700	185 @ 610	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 800 - 200	@ 750 - 200					23
25 Calibration PSI @ RPM	159 @ 2100	159 @ 2100	97 @ 1900	175 @ 2100	131 @ 2100	114 @ 1850	24
26 Calibration Flow	390	390	295	428	340	328	25
27 Check Point (1) PSI @ RPM	109 - 115 @ 1300	109 - 115 @ 1300	49 - 55 @ 1000	113 - 119 @ 1300	83 - 89 @ 1300	79 - 85 @ 1300	26
28 Check Point (1) Flow	328	328	215	347	272	274	27
29 Check Point (2) PSI @ RPM	72 - 78 @ 1000	72 - 79 @ 1000	37 - 44 @ 800	78 - 84 @ 1000		53 - 61 @ 1000	28
30 Check Point (2) Flow	268	268	190	286		226	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.775 - 143854	.775 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	10 - 141625	10 - 141625	32 - 141634	25 - 141631	42 - 140923	50 - 140925	33
35 Fuel Pump Housing		3054344	3035694		3060173	3075863	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3001147 - .120	3001147 - .000	3000941 - .000	153237 - .000	143253 - .000	153238 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810	3009380	3010810	39
41 Torque Spring - Shims - Gage Height	3002049 - .000 - .650	3002049 - .000 - .650	138783 - .050 -	3002049 - .000 -	138784 - .040 - .690	138788 - .040 - .640	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109686 - .000	107787 - .000			41
43 VS Gov. Idle Spring	70778	70778	70778	70778			42
44 VS Gov. Weights	163826	163826	163826	163826			43
45 VS Gov. Plunger	AR40230	AR40230	AR40230	AR40230			44
46 VS Gov. Sleeve	212148	212148	212148	212148			45
47 AFC Barrel & Plunger Assembly	3058944	3058944				3031298	46
48 AFC In./Hg - PSI						6 - 2.9	47
49 AFC RPM - PSI	800 - 23	800 - 23				1600 - 70	48
50 AFC Flow - pph	142	142				210	49
51 AFC Spring - Gage Height-In.	179824 -	179824 -				179808 -	50
52 AFC Bias Spring	3051071	3051071					51
53 AFC No Air RPM - PSI	800 - 26	800 - 26				800 - 30	52
54 AFC No Air Flow	151	151				140	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly					3063504		58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve			3028325				60
62 Certified Year/Agency	1991 CONS	1991 CONS	1991 CONS		1991 CONS	1991 EEC	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LTA10-C290	LTA10-C290	LT10-C	L-10	SEE NOTE (5)	LT10-B210H-10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)		SEE NOTE (6)	66

NOTES

- (1) SINGLE LEVER VS PUMP ONLY. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. SET AUTO IDLE TO 200 CC/MIN @ 800 RPM. SET VS IDLE TO 200 CC/MIN @ 800 RPM. 0.120" SHIMS ON AUTO GOV. NO RETAINER
- (2) SINGLE LEVER VS ONLY. DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. SET AUTO IDLE TO 200 CC/MIN @ 750 RPM. SET VS IDLE TO 200 CC/MIN @ 750 RPM.
- (3) SINGLE LEVER VS PUMP ONLY. SET AUTO LOW IDLE TO 200 CC/MIN @ 770 RPM. SET VS LOW IDLE TO 180 CC/MIN @ 750 RPM. AFC GUTLESS. TO ASSIST IN ACHIEVING 1000 & 800 RPM CH PTS ADJUST AUTOL/IDLE SCREW IN OR OUT AS REQUIRE USE WITH 5 PSI CHECK VALVE IN SUPPLY LINE.
- (4) PRESS GEAR PUMP REQUIRED MIN GOV SPEED @ 15 PSI CH PT = 2232 RPM. USE 3035694 FUEL PUMP HSG HIGH IDLE MUST NOT EXCEED 2300 RPM
- (5) PRESSURISED GEAR PUMP ONLY. USE WITH EFC GOVERNOR ONLY. TORQUE SPRING GUAGE SETTING = .690"
- (6) USE WITH ANTI-RESONANCE HOUSING. PRESSURIZED GEAR PUMP REQUIRED: LEFT HAND DRIVE PUMP. FOR HORIZONTAL L-10 ENGINE.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SD39-C - SD46-B

1 Pump Code	SD39-C	SD40-C	SD41-A	SD43-A	SD44-A	SD46-B	1
2 Date - Control Parts List	OCT92 - 0958	OCT92 - 0770	DEC91 - 0894	MAR93 - 1667	MAR92 - 0770	FEB93 - 0958	2
3 Test HP @ RPM	260 - 270 @ 1700	245 - 255 @ 2100	304 - 316 @ 2100	220 - 230 @ 1950	245 - 255 @ 2100	265 - 275 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	141 - 155	132 - 146	130 - 143	108 - 120	141 - 155	144 - 160	5
6 Fuel Rate Pound Per Hour	82 - 86	83 - 86	97 - 103	72 - 77	83 - 86	87 - 93	6
7 Intake Manifold Press. In./Hg	31 - 39	35 - 43	45 - 55	27 - 35	38 - 46	36 - 44	7
8 Torque Rise % - Curve	6 -	20 - 0000000	26 - 0000	12 -	20 - 0000	20 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850	2130 - 2150	2230 - 2250	1980 - 2000	2230 - 2250	2230 - 2250	11
12 VS/Sec. Gov. Setting-RPM	1720 - 1740		2130 - 2150		2130 - 2150	2130 - 2150	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2430 @ 15	2600 @ 15	2250 @ 15	2540 @ 15	2610 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI		2270 @ 15	2450 @ 15	2090 @ 15	2400 @ 15	2470 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	1930 @ 15		2450 @ 15		2435 @ 15	2440 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1930 @ 15		2300 @ 15		2295 @ 15	2280 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.					23 @ 800		22
23 Idle Speed cc @ RPM-Auto.	200 @ 840	205 @ 790	300 @ 725	200 @ 600	200 @ 700	200 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc					@ 850 - 270	@ 800 - 200	24
25 Calibration PSI @ RPM	155 @ 1700	146 @ 2100	149 @ 2100	120 @ 1950	144 @ 2100	154 @ 2100	25
26 Calibration Flow	370	370	464	409	365	380	26
27 Check Point (1) PSI @ RPM	117 - 123 @ 1300	97 - 103 @ 1300	105 - 113 @ 1300	79 - 85 @ 1300	91 - 97 @ 1300	116 - 122 @ 1300	27
28 Check Point (1) Flow	323	294	391	335	289	313	28
29 Check Point (2) PSI @ RPM	76 - 82 @ 1000	66 - 78 @ 1000		50 - 62 @ 1000	58 - 68 @ 1000	74 - 88 @ 1000	29
30 Check Point (2) Flow	258	236		274	235	268	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.770 - 143854	.775 - 143854	.790 - 143854	.760 - 143854	.760 - 143854	33
34 Idle Plunger Code - Part No.	10 - 141625	32 - 141634	20 - 141629	40 - 137370	37 - 140418	25 - 141631	34
35 Fuel Pump Housing	3054344	3279523	3057808	3279531	3069255	3069255	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3001147 - .000	3000941 - .160	153235 - .245	3000940 - .170	153236 - .115	153235 - .195	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3010810	3010810			40
41 Torque Spring - Shims - Gage Height	138790 - .000 -	3002054 - .040 - .640	3051812 - .085 - .584	138799 - .073 - .623	3002055 - .028 - .628	3053172 - .105 - .605	41
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000		109687 - .000		109687 - .000	109686 - .000	42
43 VS Gov. Idle Spring	70778		70778		70778	70778	43
44 VS Gov. Weights	163826		163826		163826	163826	44
45 VS Gov. Plunger	AR40230		AR40230		AR40230	AR40230	45
46 VS Gov. Sleeve	212148		212148		212148	212148	46
47 AFC Barrel & Plunger Assembly	3058944	3058944	3036903	3074225	3074225	3074225	47
48 AFC In./Hg - PSI			6 - 2.9				48
49 AFC RPM - PSI	800 - 23	800 - 30	1600 - 29	1600 - 55	800 - 21	800 - 21	49
50 AFC Flow - pph	137	151	178	215	130	135	50
51 AFC Spring - Gage Height-In.	179824 -	179824 -	179826 -	179808 - .117	179820 - .117	179808 - .117	51
52 AFC Bias Spring	3051071	3051072		3071949	3071704	3071948	52
53 AFC No Air RPM - PSI	800 - 26	800 - 33	1600 - 58	1600 - 58	800 - 24	800 - 24	53
54 AFC No Air Flow	146	160	273	226	139	145	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	3028325	3028325	3028325				61
62 Certified Year/Agency	1991 CONS		1991 TUV	1992 LOCO	1992 CONS	1992 CONS	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	LTA10-C	LT10-250	LTA 10 C 310	LT10-R	LT10-C	LTA10-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)		SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) DUAL SPRING 91 AFC PUMP. BIAS SPRING 3051072 PURPLE 40 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. SET VS IDLE TO 200 CC/MIN @ 840 RPM.
- (2) PRESSURISED GEAR PUMP. USE ANT-RESONANCE HOUSING. USE WITH FUEL LINE CHECK VALVES ONLY. NOMOGRAM. DUAL SPRING AFC PUMP. BIAS SPRING # 3051072 PURPLE 40 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (4) PRESSURISED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH MULTIPLE UNIT THROTTLE CONTROL. P1 ORIFICE SIZE .024/BLANK, P2 .029/BLANK, P3 .041/BLANK, P4 .069/BLANK L10 HORIZONTAL RAILCAR.
- (5) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPRING 91AFC PUMP. BIAS SPRING #3071704 BLUE/YELLOW 30 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (6) SINGLE LEVER VS PUMP ONLY. DUAL SPRING 91AFC PUMP. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.

1 Pump Code	SD47-A	SD49-A	SD50-A	SD51-A	SD52-A	SD53-A	
2 Date - Control Parts List	OCT92 - 0958	MAR93 - 0958	MAR93 - 1414	MAR93 - 0770	MAR93 - 0958	MAY93 - 1234	1
3 Test HP @ RPM	260 - 270 @ 1700	230 - 240 @ 1800	230 - 240 @ 1900	230 - 240 @ 1800	245 - 255 @ 2100	260 - 270 @ 1700	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	138 - 152	120 - 133	126 - 140	116 - 128	134 - 148	138 - 152	4
6 Fuel Rate Pound Per Hour	83 - 87	74 - 78	75 - 79	74 - 78	83 - 86	83 - 87	5
7 Intake Manifold Press. In./Hg	34 - 42	28 - 36	36 - 46	28 - 36	33 - 42	36 - 44	6
8 Torque Rise % - Curve	6 -	6 -	15 - 0000	9 -	20 - 0000	6 -	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1830 - 1850	1930 - 1940	2030 - 2050	2030 - 2050	2230 - 2250	1830 - 1850	10
12 VS/Sec. Gov. Setting-RPM	1720 - 1740	1830 - 1850	1930 - 1950	1830 - 1850	2130 - 2150	1720 - 1740	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2120 @ 15	2220 @ 15	2290 @ 15	2290 @ 15	2540 @ 15	2100 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2000 @ 15	2060 @ 15	2170 @ 15	2170 @ 15	2420 @ 15	1900 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	1990 @ 15	2130 @ 15	2150 @ 15	2110 @ 15	2440 @ 15	1940 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1870 @ 15	1970 @ 15	2090 @ 15	1990 @ 15	2220 @ 15	1800 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, - 1	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	200 @ 700	300 @ 700	200 @ 850	200 @ 670	210 @ 750	200 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 840 - 200	@ 700 - 300	@ 700 - 240	@ 670 - 200	@ 750 - 210	@ 840 - 200	23
25 Calibration PSI @ RPM	152 @ 1700	137 @ 1800	139 @ 1900	124 @ 1800	151 @ 2100	152 @ 1700	24
26 Calibration Flow	354	316	335	320	365	354	25
27 Check Point (1) PSI @ RPM	118 - 124 @ 1300	94 - 100 @ 1300	101 - 107 @ 1300	93 - 99 @ 1300	97 - 103 @ 1300	118 - 124 @ 1300	26
28 Check Point (1) Flow	312	278	278	283	288	312	27
29 Check Point (2) PSI @ RPM	77 - 89 @ 1000			60 - 70 @ 1000		77 - 89 @ 1000	28
30 Check Point (2) Flow	258			252		258	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.760 - 143854	. - 143854	.800 - 143854	. - 143854	.760 - 143854	.760 - 143854	32
34 Idle Plunger Code - Part No.	22 - 141630	32 - 141634	30 - 141633	35 - 140922	32 - 141634	22 - 141630	33
35 Fuel Pump Housing	3069255	3069255	3069255	3069255	3069255	3069255	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143254 - .165	143253 - .093	143253 - .110	143253 - .106	153236 - .090	143254 - .165	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger		3040750		3040750			39
41 Torque Spring - Shims - Gage Height	138801 - .017 - .567	138997 - .090 - .590	3053156 - .109 - .609	138789 - .057 - .657	3002057 - .030 - .630	138801 - .017 - .567	40
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000	109687 - .000	70821 - .000	109687 - .000	109687 - .000	70821 - .000	41
43 VS Gov. Idle Spring	70778	70778	70778	70778	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	AR40230	212350	AR40230	212350	AR40230	AR40230	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3074225	3074225	3074225	3074225	3074225	3074225	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	800 - 20	1600 - 76	1600 - 76	800 - 23	800 - 21	800 - 20	48
50 AFC Flow - pph	133	238	238	147	130	133	49
51 AFC Spring - Gage Height-In.	179808 - .117	179826 - .117	179824 - .117	179818 - .117	179820 - .117	179808 - .117	50
52 AFC Bias Spring	3071948	3051072	3051072	3071704	3071704	3071948	51
53 AFC No Air RPM - PSI	800 - 23	1600 - 79	1600 - 79	800 - 26	800 - 24	800 - 23	52
54 AFC No Air Flow	142	247	247	153	139	142	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve	3028325						60
62 Certified Year/Agency	1992 CONS	1992 CONS	1992 CONS	1992 CONS	1992 LOCO		61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LTA10-C	LTA10-C	LT10-C	LT10-C235	LTA10-L	LTA10-C	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) SINGLE LEVER VS ONLY WITH 91AFC. USE WITH 5 PSI CHECK VALVE IN SUPPLY LINE. BIAS SPRING # 3071948 ORANGE/RED 15 LB/IN. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. SET AUTO IDLE TO 200 CC/MIN @ 700 RPM. SET VS IDLE TO 200 CC/MIN @ 840 RPM. REF: AUTO GOV SHIMS .165".
- (2) PRESSURISED GEAR PUMP VS IDLE SETTING 300CC/MIN @ 700 RPM. USE WITH SUPPLY AND DRAIN CHECK VALVES.
- (3) PRESSURISED GEAR PUMP. USE 5 PSI SUPPLY LINE CHECK VALVE. 91 AFC DUAL SPRING PUMP BIAS SPRING #3051072 PURPLE ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (4) CONTAINS SHAPED PORT DUAL SPRING AFC.
- (5) USE WITH 5 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPRING SHAPED PORT AFC PUMP. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST BOTTOM SCREW TO VALUE UNDER AFC NO AIR SET.
- (6) SINGLE LEVER VS ONLY WITH 91AFC. USE WITH 5 PSI CHECK VALVE IN SUPPLY LINE. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SD54-C - SD70-A

1 Pump Code	SD54-C	SD55-A	SD57-A	SD61-A	SD64-B	SD70-A	1
2 Date - Control Parts List	MAY93 - 1648	AUG92 - 0770	MAY93 - 1675	APR93 - 1675	JUN93 - 1676	JUN93 - 1677	2
3 Test HP @ RPM	245 - 255 @ 1900	245 - 255 @ 2100	315 - 328 @ 2100	266 - 278 @ 1900	315 - 329 @ 1900	208 - 218 @ 1850	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	130 - 144	132 - 146	161 - 177	129 - 141	120 - 133	129 - 143	5
6 Fuel Rate Pound Per Hour	86 - 90	83 - 86	105 - 109	88 - 92	108 - 113	73 - 77	6
7 Intake Manifold Press. In./Hg	35 - 43	35 - 43	38 - 48	30 - 40	48 - 58	38 - 46	7
8 Torque Rise % - Curve	8 -	20 - 0000	17 - 0000	21 - 0000	20 - 0000	13 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	2195 - 2215	2230 - 2250	2030 - 2050	2030 - 2050	1880 - 1900	11
12 VS/Sec. Gov. Setting-RPM		2130 - 2150	2130 - 2150	1930 - 1950	1930 - 1950		12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2246 @ 15	2480 @ 15	2590 @ 15	2410 @ 15	2430 @ 15	2160 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2086 @ 15	2340 @ 15	2430 @ 15	2250 @ 15	2270 @ 15	2000 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2460 @ 15	2440 @ 15	2290 @ 15	2300 @ 15		18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2330 @ 15	2280 @ 15	2130 @ 15	2140 @ 15		19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	210 @ 750	210 @ 750	200 @ 760	300 @ 710	300 @ 710	230 @ 575	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 860 - 200		@ 710 - 300	@ 710 - 300		24
25 Calibration PSI @ RPM	155 @ 1900	139 @ 2100	176 @ 2100	137 @ 1900	133 @ 1900	138 @ 1850	25
26 Calibration Flow	382	370	434	379	461	339	26
27 Check Point (1) PSI @ RPM	98 - 104 @ 1300	90 - 96 @ 1300	102 - 108 @ 1200	107 - 113 @ 1200	102 - 108 @ 1200	81 - 87 @ 1200	27
28 Check Point (1) Flow	299	294	328	330	339	260	28
29 Check Point (2) PSI @ RPM	62 - 72 @ 1000	59 - 71 @ 1000	81 - 91 @ 1000	82 - 92 @ 1000	80 - 90 @ 1000	61 - 71 @ 1000	29
30 Check Point (2) Flow	260	236	300	295	340	215	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.750 - 143854	- 143855	.816 - 143854	.750 - 143854	.750 - 143854	.750 - 143854	33
34 Idle Plunger Code - Part No.	35 - 140922	37 - 140418	25 - 141631	17 - 140417	15 - 139894	35 - 140922	34
35 Fuel Pump Housing	3059632	3054344	3069255	3069255	3059632	3059632	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000941 - .195	143253 - .000	153232 - .192	3004752 - .138	143254 - .100	3000940 - .115	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3010810	3040760			3040760	40
41 Torque Spring - Shims - Gage Height	138793 - .046 - .596	3002047 - .020 - .670	3002055 - .037 - .637	3051814 - .108 - .608	3053170 - .090 - .590	138793 - .071 - .621	41
42 VS Gov. Max. Spring - Ref. Shims		109688 - .000	109688 - .000	109687 - .000	109687 - .000		42
43 VS Gov. Idle Spring		70778	70778	70778	70778		43
44 VS Gov. Weights		163826	163826	163826	163826		44
45 VS Gov. Plunger		AR40230	AR40230	AR40230	AR40230		45
46 VS Gov. Sleeve		212148	212148	212148	212148		46
47 AFC Barrel & Plunger Assembly	3074225	3074225	3074225	3074225	3074225	3074225	47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	800 - 17	800 - 23	800 - 26	800 - 27	800 - 16	800 - 19	49
50 AFC Flow - pph	121	132	150	153	153	119	50
51 AFC Spring - Gage Height-In.	179824 - .117	179808 - .117	179822 - .117	179820 - .117	179826 - .117	179822 - .117	51
52 AFC Bias Spring	3071704	3071949	3071704	3071704	3071704	3071704	52
53 AFC No Air RPM - PSI	800 - 20	800 - 26	800 - 29	800 - 30	800 - 19	800 - 22	53
54 AFC No Air Flow	130	141	159	162	162	128	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1992 AUTO		1993 EEC		1993 EEC	1993 EEC	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	LTA 10.8 EURO 1	LT10-250	LT10 325 10	LT 275 10	LTA10325.11	L10 215 B	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) DUAL SPRING SHAPED PORT AFC PUMP ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET THEN ADJUST BOTTOM SCREW TO VALUE UNDER AFC NO AIR SET
- (2) PRESSURIZED GEAR PUMP REQUIRED. SHAPED PORT DUAL SPRING AFC. ADJUST AFC SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY SCREW TO VALUE UNDER AFC NO-AIR SET. AUTO THROTTLE TO BE LOCKED FULLY OPEN.
- (3) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. SHAPED PORT DUAL SPRING AFC
- (4) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPRING 91AFC PUMP. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (5) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPRING 91AFC PUMP. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (6) DUAL SPRING SHAPED PORT AFC PUMP ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET THEN ADJUST BOTTOM SCREW TO VALUE UNDER AFC NO AIR SET

1 Pump Code	SD73-A	SD74-A	SD78-B	SD79-A	SD80-A	SD81-A	1
2 Data - Control Parts List	JAN93 - 1413	MAY93 - 1678	MAY93 - 1695	MAR93 - 1696	MAR93 - 1697	MAR93 - 1697	2
3 Test HP @ RPM	284 - 296 @ 2100	245 - 255 @ 1900	245 - 255 @ 2100	191 - 199 @ 1900	265 - 275 @ 2100	260 - 270 @ 1700	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	171 - 190	130 - 144	128 - 141	90 - 100	144 - 160	138 - 152	5
6 Fuel Rate Pound Per Hour	98 - 102	85 - 89	81 - 85	64 - 68	87 - 93	83 - 87	6
7 Intake Manifold Press. In./Hg	47 - 57	35 - 43	32 - 40	26 - 32	36 - 44	34 - 42	7
8 Torque Rise % - Curve	12 - 0000	8 -	20 - 0000	14 -	20 -	6 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	1930 - 1950	2230 - 2250	2095 - 2115	2230 - 2250	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM			2130 - 2150	1930 - 1950	2130 - 2150	1720 - 1740	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2440 @ 15	2220 @ 15	2600 @ 15	2260 @ 15	2610 @ 15	2120 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2280 @ 15	2060 @ 15	2440 @ 15	2100 @ 15	2470 @ 15	2090 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2470 @ 15	2120 @ 15	2440 @ 15	1990 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2310 @ 15	2000 @ 15	2280 @ 15	1870 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto. - VS, Lev	28 -	28 -	28 -	28 - 1	28 -	28 - 1	21
22 Idle Speed PSI @ RPM-Auto.			23 @ 800				22
23 Idle Speed cc @ RPM-Auto.	300 @ 713	210 @ 750	200 @ 700	180 @ 750	200 @ 700	200 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc			@ 850 - 270		@ 800 - 200	@ 840 - 200	24
25 Calibration PSI @ RPM	192 @ 2100	141 @ 1900	138 @ 2100	97 @ 1900	154 @ 2100	152 @ 1700	25
26 Calibration Flow	401	382	341	295	380	354	26
27 Check Point (1) PSI @ RPM	110 - 116 @ 1300	80 - 86 @ 1200	91 - 97 @ 1300	49 - 55 @ 1000	116 - 122 @ 1300	118 - 124 @ 1300	27
28 Check Point (1) Flow	312	284	289	215	313	312	28
29 Check Point (2) PSI @ RPM		57 - 67 @ 1000	60 - 70 @ 1000	37 - 44 @ 800	74 - 88 @ 1000	77 - 89 @ 1000	29
30 Check Point (2) Flow		260	235	190	268	258	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.820 - 143854	.750 - 143854	.760 - 143854	.800 - 143854	.760 - 143854	.760 - 143854	33
34 Idle Plunger Code - Part No.	30 - 141633	37 - 140418	37 - 140922	32 - 141634	25 - 141631	22 - 141630	34
35 Fuel Pump Housing	3059632	3059632	3069255	3035694	3069255	3069255	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000940 - .183	3000940 - .115	153237 - .122	3000941 - .200	153235 - .195	143254 - .165	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040760	3040760	3010810			40
41 Torque Spring - Shims - Gage Height	138788 - .047 - .647	138793 - .070 - .620	3821487 - .029 - .629	138783 - .050 - .650	3053172 - .105 - .605	138801 - .017 - .567	41
42 VS Gov. Max. Spring - Ref. Shims	00 - .000		109687 - .000	109686 - .000	109686 - .000	70821 - .000	42
43 VS Gov. Idle Spring	00		70778	70778	70778	70778	43
44 VS Gov. Weights	00		163826	163826	163826	163826	44
45 VS Gov. Plunger	00		AR40230	AR40230	AR40230	AR40230	45
46 VS Gov. Sleeve			212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly	3070590	3074225	3074225		3074225	3074225	47
48 AFC in./Hg - PSI							48
49 AFC RPM - PSI	1300 - 56	800 - 20	800 - 21		800 - 21	800 - 20	49
50 AFC Flow - pph	197	135	130		135	133	50
51 AFC Spring - Gage Height-In.	179820 - .117	179822 - .117	179820 - .117		179808 - .117	179808 - .117	51
52 AFC Bias Spring	3071950	3071951	3071704		3071948	3071948	52
53 AFC No Air RPM - PSI	1300 - 59	800 - 23	800 - 24		800 - 24	800 - 23	53
54 AFC No Air Flow	206	144	139		145	142	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	LTA10C290	LT10.8 EURO 1	LT10-C	LT10-C	LTA10-C	LTA10-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) SHAPED PORT / DUAL SPRING AFC
- (2) DUAL SPRING SHAPED PORT AFC PUMP ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET THEN ADJUST BOTTOM SCREW TO VALUE UNDER AFC NO AIR SET
- (3) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPRING 91AFC PUMP. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (4) SINGLE LEVER VS PUMP ONLY. SET AUTO LOW IDLE TO 200 CC/MIN @ 770 RPM. SET VS LOW IDLE TO 180 CC/MIN @ 750 RPM. AFC GUTLESS. TO ASSIST IN ACHIEVING 1000 & 800 RPM CH PTS ADJUST AUTOL/IDLE SCREW IN OR OUT AS REQUIRE USE WITH 5 PSI CHECK VALVE IN SUPPLY LINE.
- (5) SINGLE LEVER VS PUMP ONLY. DUAL SPRING 91AFC PUMP. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (6) SINGLE LEVER VS ONLY WITH 91AFC. USE WITH 5 PSI CHECK VALVE IN SUPPLY LINE. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SD82-A - SD91-A

1 Pump Code	SD82-A	SD83-A	SD84-A	SD89-A	SD90-A	SD91-A	
2 Date - Control Parts List	MAR93 - 1697	MAR93 - 1699	MAR93 - 1697	MAY93 - 1413	MAY93 - 1675	JUN93 - 1675	1
3 Test HP @ RPM	265 - 275 @ 2100	230 - 240 @ 1900	284 - 296 @ 2100	280 - 290 @ 1800	292 - 302 @ 1900	291 - 303 @ 1900	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	152 - 168	126 - 140	162 - 179	165 - 183	138 - 152	138 - 153	4
6 Fuel Rate Pound Per Hour	87 - 93	75 - 79	93 - 97	91 - 95	93 - 97	94 - 98	5
7 Intake Manifold Press. In./Hg	36 - 44	36 - 46	39 - 47	40 - 50	38 - 48	32 - 40	6
8 Torque Rise % - Curve	20 -	15 - 0000	20 -		15 -	14 - 0000	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2220 - 2240	2030 - 2050	2230 - 2250	1930 - 1950	1930 - 1950	2030 - 2050	10
12 VS/Sec. Gov. Setting-RPM	2120 - 2140	1930 - 1950	2130 - 2150	1830 - 1850		1930 - 1950	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2460 @ 15	2290 @ 15	2457 @ 15	2260 @ 15	2223 @ 15	2380 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2300 @ 15	2170 @ 15	2232 @ 15	2100 @ 15	2060 @ 15	2220 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2360 @ 15	2150 @ 15		2160 @ 15		2290 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 15	2090 @ 15		2000 @ 15		2130 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, - 1	28, -	28, -	28, - 1	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	200 @ 750	200 @ 850	300 @ 700	200 @ 740	275 @ 700	295 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 750 - 200	@ 700 - 200	@ 700 - 300	@ 1100 - 155		@ 700 - 295	23
25 Calibration PSI @ RPM	159 @ 2100	139 @ 1900	176 @ 2100	177 @ 1800	151 @ 1900	151 @ 1900	24
26 Calibration Flow	390	335	400	375	398	398	25
27 Check Point (1) PSI @ RPM	109 - 115 @ 1300	101 - 107 @ 1300	121 - 127 @ 1300	123 - 131 @ 1300	105 - 111 @ 1200	107 - 113 @ 1200	26
28 Check Point (1) Flow	328	278	325	312	328	328	27
29 Check Point (2) PSI @ RPM	72 - 79 @ 1000				78 - 88 @ 1000	83 - 93 @ 1000	28
30 Check Point (2) Flow	268				300	300	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.775 - 143854	.750 - 143854	.817 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	10 - 141625	30 - 141633	25 - 141631	20 - 141629	22 - 141630	17 - 140417	33
35 Fuel Pump Housing	3054344	3069255	3057808	3069255	3059632	3069255	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3001147 - .000	143253 - .110	143253 - .000	153238 - .185	3036895 - .172	153238 - .100	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810		3040750	3040760	3040760	3040760	39
41 Torque Spring - Shims - Gage Height	3002049 - .000 - .650	3053156 - .109 - .609	3002049 - .010 - .660	138999 - .065 - .565	138791 - .039 - .639	3053160 - .116 - .616	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	70778 - .000	109686 - .000	109686 - .000		109687 - .000	41
43 VS Gov. Idle Spring	70778	70778	153240	70778		70778	42
44 VS Gov. Weights	163826	163826	163826	163826		163826	43
45 VS Gov. Plunger	AR40230	AR40230	212350	AR40230		AR40230	44
46 VS Gov. Sleeve	212148	212148	212148	212148		212148	45
47 AFC Barrel & Plunger Assembly	3058944	3074225		3074225	3074225	3074225	46
48 AFC In./Hg - PSI			8 - 3.9				47
49 AFC RPM - PSI	800 - 23	1600 - 76	1600 - 44	1300 - 48	800 - 26	800 - 26	48
50 AFC Flow - pph	142	238	178	189	150	150	49
51 AFC Spring - Gage Height-In.	179824 - .117	179824 - .117	179826 -	179822 - .117	179822 - .117	179822 - .117	50
52 AFC Bias Spring	3051071	3051072		3071704	3071704	3071704	51
53 AFC No Air RPM - PSI	800 - 26	1600 - 79	1600 - 80	1300 - 53	800 - 29	800 - 29	52
54 AFC No Air Flow	151	247	254	200	159	159	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency				1993 CONS	1993 EEC	1993 EEC	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LTA10-C290	LT10-C	L10	LTA 10.C290	LT.10.B 300	L10 300 10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) SINGLE LEVER VS ONLY. DUAL SPRING AFC PUMP. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (2) PRESSURISED GEAR PUMP. USE 6 PSI SUPPLY LINE CHECK VALVE. 91 AFC DUAL SPRING PUMP ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (3) PRESS GEAR PUMP REQUIRED CLASS FIT AFC REQUIRED.
- (4) PRESS GEAR PUMP REQUIRED SHAPED PORT AFC FUEL PUMP. FOR SINGLE LEVER APPLICATIONS ONLY
- (5) SHAPED PORT DUAL SPRING AFC USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE.
- (6) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. SHAPED PORT DUAL SPRING AFC

1 Pump Code	SD98-A	SD99-A	SE01-A	SE02-A	SE03-A	SE04-A	1
2 Date - Control Parts List	JUN93 - 1414	JUN93 - 1412	SEP92 - 1381	OCT92 - 0990	FEB91 - 1193	FEB91 - 1381	2
3 Test HP @ RPM	245 - 255 @ 2100	269 - 281 @ 1800	435 - 452 @ 1800	465 - 483 @ 1800	365 - 379 @ 1800	390 - 406 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	144 - 160	118 - 130	187 - 207	177 - 195	120 - 132	156 - 172	5
6 Fuel Rate Pound Per Hour	85 - 89	90 - 94	149 - 155	168 - 174	126 - 130	135 - 141	6
7 Intake Manifold Press. in./Hg	44 - 52	34 - 42	55 - 65	45 - 53	35 - 43	48 - 58	7
8 Torque Rise % - Curve	20 - NONE	8 -		10 -	6 -		8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	1930 - 1950	1930 - 1950	1930 - 1950	2020 - 2040	1990 - 2010	11
12 VS/Sec. Gov. Setting-RPM		1830 - 1850			1820 - 1840	1890 - 1910	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2400 @ 15	2200 @ 15	2160 @ 15	2140 @ 15			14
15 Min. Auto. Gov. Check-RPM @ PSI	2280 @ 15	2040 @ 15	2000 @ 15	1960 @ 15			15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2030 @ 15			2150 @ 15	2200 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		1870 @ 15			2150 @ 15	2200 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	75 -	75 -	110 -	75 -	20
21 Throttle Travel-Auto. VS. Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	@ 825	200 @ 700	200 @ 630	200 @ 545	200 @ 560	200 @ 630	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 700 - 200					24
25 Calibration PSI @ RPM	160 @ 2100	130 @ 1800	208 @ 1800	199 @ 1800	132 @ 1800	173 @ 1800	25
26 Calibration Flow	365	425	550	720	575	495	26
27 Check Point (1) PSI @ RPM	99 - 105 @ 1300	94 - 100 @ 1300	177 - 183 @ 1500	177 - 183 @ 1500	95 - 101 @ 1400	142 - 148 @ 1500	27
28 Check Point (1) Flow	277	354	510	685	500	454	28
29 Check Point (2) PSI @ RPM					50 - 58 @ 1000		29
30 Check Point (2) Flow					368		30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.790 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	30 - 141633	20 - 141629	05 - 141623	10 - 141625	35 - 140922	10 - 141625	34
35 Fuel Pump Housing	3059632	3069255	3060173	3278924			35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153232 - .100	153238 - .144	143253 - .000	3053107 - .000	153237 - .000	153238 - .000	37
38 Gear Pump Size In.	.750	.750	1.000	1.000	.750	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040760	3010810	3010810	3040750	3010810	40
41 Torque Spring - Shims - Gage Height	3002053 - .025 - .625	138999 - .065 - .565	138800 - .040 - .590	138781 - .000 - .650		138790 - .060 -	41
42 VS Gov. Max. Spring - Ref. Shims		101002 - .000			109687 - .000	109686 - .000	42
43 VS Gov. Idle Spring		70778			153240	70778	43
44 VS Gov. Weights		163826			163826	163826	44
45 VS Gov. Plunger		AR40230			AR40230	AR40230	45
46 VS Gov. Sleeve					212148	212148	46
47 AFC Barrel & Plunger Assembly	3058944	3074225					47
48 AFC In./Hg - PSI					8 - 3.9		48
49 AFC RPM - PSI	1300 - 80	1300 - 21			1600 - 34		49
50 AFC Flow - pph	242	153			290		50
51 AFC Spring - Gage Height-In.	179818 -	179826 - .117			179834 -		51
52 AFC Bias Spring	3071952	3071950					52
53 AFC No Air RPM - PSI	1300 - 87	1300 - 24			1600 - 40		53
54 AFC No Air Flow	254	162			310		54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly			3063504	3063505			59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	FS 2001		3028325				61
62 Certified Year/Agency	1993 CONS		1991 GEN		1991 CONS	1991 GEN	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	LT10-C	LTA 10.C	NT-855-G6	NTA-855-G2	NTA-855-P450	NT-855-G5	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) THIS CODE IS IDENTICAL TO X479B03 EXCEPT FOR THE LOW IDLE SPEED.
- (2) USE PRESSURIZED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE ANTI-RESONANCE HSG. DUEL SPRING 91AFC PUMP ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET
- (3) USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. PRESSURIZED GEAR PUMP. USE WITH STD SMALL HOLE THROTTLE SHAFT.
- (4) PRESSURIZED GEAR PUMP ONLY. FOR USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH LARGE HOLE THROTTLE SHAFT
- (5) USE WITH SINGLE LEVER VS ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. SET AUTO LOW IDLE TO 200 CC/MIN @ 560 RPM. SET VS LOW IDLE TO 200 CC/MIN @ 560 RPM.
- (6) PRESSURIZED GEAR PUMP. USE WITH WOOD/BOSCH/BARBER COLEMAN GOV'S ONL. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH STANDARD SMALL HOLE THROTTLE SHAFT. AFC GUTLESS.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SE05-B - SE10-C

1 Pump Code	SE05-B	SE08-B	SE07-A	SE08-B	SE09-A	SE10-C	1
2 Date - Control Parts List	SEP92 - 0909	JUN92 - 0974	OCT92 - 1436	JUN92 - 1417	OCT92 - 0990	JUN92 - 1417	2
3 Test HP @ RPM	353 - 367 @ 1800	304 - 316 @ 2100	470 - 489 @ 1500	367 - 383 @ 2100	535 - 557 @ 1800	392 - 408 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	124 - 138	140 - 154	179 - 197	138 - 152	222 - 246	153 - 169	5
6 Fuel Rate Pound Per Hour	120 - 124	110 - 114	159 - 165	129 - 135	190 - 198	140 - 146	6
7 Intake Manifold Press. In./Hg	33 - 41	34 - 42	55 - 65	41 - 49	55 - 65	40 - 50	7
8 Torque Rise % - Curve	8 -	20 -		10 -	2 -	20 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1920 - 1940	2220 - 2240	1630 - 1650	2230 - 2250	1930 - 1950	2220 - 2240	11
12 VS/Sec. Gov. Setting-RPM	1820 - 1840	2120 - 2140		2130 - 2150		2120 - 2140	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2180 @ 15		1770 @ 15		2160 @ 15	2340 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2030 @ 15		1650 @ 15		2000 @ 15		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2150 @ 15	2350 @ 15		2340 @ 15			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2000 @ 15	2350 @ 15		2340 @ 15			19
20 Throttle Leakage-cc - pph	110 -	110 -	75 -	110 -	75 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.	38 @ 500						22
23 Idle Speed cc @ RPM-Auto.	200 @ 650	200 @ 485	200 @ 500	200 @ 580	180 @ 560	200 @ 600	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 500 - 130						24
25 Calibration PSI @ RPM	138 @ 1800	151 @ 2100	202 @ 1500	155 @ 2100	249 @ 1800	166 @ 2100	25
26 Calibration Flow	434	380	675	465	810	503	26
27 Check Point (1) PSI @ RPM	110 - 116 @ 1400	99 - 105 @ 1400		124 - 130 @ 1400	195 - 201 @ 1500	110 - 116 @ 1400	27
28 Check Point (1) Flow	390	310		420	720	410	28
29 Check Point (2) PSI @ RPM	66 - 78 @ 1000	57 - 63 @ 1000		85 - 91 @ 1000		64 - 70 @ 1000	29
30 Check Point (2) Flow	280	230		344		310	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.800 - 143854	.880 - 143847	.800 - 143854	.800 - 143847	33
34 Idle Plunger Code - Part No.	25 - 141631	40 - 137370	5 - 141623	25 - 141631	5 - 141623	10 - 141625	34
35 Fuel Pump Housing	3038668		3278924		3278924	3054344	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	143252 - .000	3004753 - .000	3053106 - .000	3000934 - .000	3001148 - .000	37
38 Gear Pump Size In.	.750	.750	1.000	1.000	1.000	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3010810	3010810	3010810	3010810	3010810	40
41 Torque Spring - Shims - Gage Height	138788 - .000 - .600	138781 - .060 -		3053170 - .100 -	3053165 - .000 - .500	3053164 - .090 -	41
42 VS Gov. Max. Spring - Ref. Shims	109688 - .000	109687 - .000		109686 - .000		70821 - .000	42
43 VS Gov. Idle Spring	70778	70778		70778		70778	43
44 VS Gov. Weights	163826	163826		163826		163826	44
45 VS Gov. Plunger	AR40230	AR40230		AR40230		AR40230	45
46 VS Gov. Sleeve	212148	212148		212148		212148	46
47 AFC Barrel & Plunger Assembly	3031298					3058944	47
48 AFC In./Hg - PSI	8 - 3.9						48
49 AFC RPM - PSI	1400 - 87	800 - 21		800 - 18		800 - 17	49
50 AFC Flow - pph	345	134		153		160	50
51 AFC Spring - Gage Height-In.	179818 -	179820 -		179824 -		179828 -	51
52 AFC Bias Spring						3051071	52
53 AFC No Air RPM - PSI	1400 - 43	800 - 24		800 - 21		800 - 20	53
54 AFC No Air Flow	240	143		162		169	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly			3063505		3063505		59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	3028325		3028325		3028325		61
62 Certified Year/Agency	1999 CONS	1991 LOCO	1991 GEN		1991 GEN		62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA-855-C400	NTA-855-R1	NTA-855-G3	NTA-855-A	NTA-855-G3	NTA-855-A400	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) 3/4 INCH PRESSURISED GEAR PUMP USE WITH 5 PSI CHECK VALVE ONLY CONTINUOUS RATING SINGLE LEVER VS. LEVER CODE B SET VS LOW IDLE TO 150CC @ 500 RPM
- (2) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. TIGHTEN SCREW TO SET AUTO LOW IDLE TO 200 CC/MIN @ 600 RPM SET VS LOW IDLE TO 200 CC/MIN @ 485 RPM
- (3) PRESSURISED GEAR PUMP. FOR USE WITH EFC GOVERNOR ONLY. USE WITH 5 PSI CHECK VALVE IN SUPPLY LINE. USE WITH LARGE HOLE THROTTLE SHAFT.
- (4) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPRING AFC PUMP. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. ET SCREW TO VALUE UNDER AFC THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. BIAS SPRING # 3051071 GREEN 30 IN/LB. AUTO GOV. SHIMS 0.180"
- (5) PRESSURISED GEAR PUMP. FOR USE WITH 5 PSI CHECK VALVE IN SUPPLY LINE FOR USE WITH EFC GOVERNOR ONLY. USE WITH LARGE HOLE THROTTLE SHAFT.
- (6) DUAL SPRING AFC PUMP. BIAS SPRING # 3051071 GREEN 30 IN/LB. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.

1 Pump Code	SE11-A	SE12-A	SE13-A	SE14-A	SE15-A	SE16-B	
2 Date - Control Parts List	SEP91 - 1181	SEP91 - 0990	OCT91 - 1381	OCT92 - 1383	OCT91 - 1383	SEP92 - 1193	2
3 Test HP @ RPM	304 - 316 @ 2100	465 - 483 @ 1800	390 - 406 @ 1800	430 - 447 @ 1500	465 - 483 @ 1800	429 - 447 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	145 - 160	172 - 190	162 - 180	152 - 168	183 - 200	148 - 164	5
6 Fuel Rate Pound Per Hour	110 - 116	166 - 172	133 - 139	141 - 147	158 - 166	150 - 156	6
7 Intake Manifold Press. In./Hg	34 - 42	45 - 53	48 - 56	45 - 55	50 - 58	42 - 52	7
8 Torque Rise % - Curve		10 -		- 000	8 -	5 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	1930 - 1950	1930 - 1950	1630 - 1650	2020 - 2040	2000 - 2020	11
12 VS/Sec. Gov. Setting-RPM					1915 - 1935	1820 - 1840	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2340 @ 15	2200 @ 15	2200 @ 15	1770 @ 15		2260 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2200 @ 15			1630 @ 15		2180 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI					2120 @ 15	2160 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI					2120 @ 15	2090 @ 15	19
20 Throttle Leakage-cc - pph	110 -	75 -	110 -	110 -	75 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.					54 @ 500	38 @ 500	22
23 Idle Speed cc @ RPM-Auto.	200 @ 630	190 @ 545	200 @ 630	200 @ 470	210 @ 520	210 @ 750	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc						@ 750 - 210	24
25 Calibration PSI @ RPM	168 @ 2100	190 @ 1800	171 @ 1800	178 @ 1500	208 @ 1800	165 @ 1800	25
26 Calibration Flow	428	720	496	680	730	630	26
27 Check Point (1) PSI @ RPM	117 - 123 @ 1500	167 - 173 @ 1500	143 - 149 @ 1500		184 - 190 @ 1500	119 - 125 @ 1400	27
28 Check Point (1) Flow	358	680	457		691	540	28
29 Check Point (2) PSI @ RPM	62 - 68 @ 1000					74 - 86 @ 1000	29
30 Check Point (2) Flow	256					414	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	- 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	42 - 140923	10 - 141625	17 - 140417	15 - 139894	5 - 141623	20 - 141629	34
35 Fuel Pump Housing	3279531			3077020		3038668	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	3053107 - .000	153238 - .000	3053102 - .080	3004755 - .000	3001156 - .080	37
38 Gear Pump Size In.	.750	1.000	.750	1.250	1.250	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3009380	3010810	3010810	3010810	3010810	3040760	40
41 Torque Spring - Shims - Gage Height	138796 - .060 - .610	138781 - .000 -	138799 - .030 -		3053172 - .070 -	142707 - .050 - .550	41
42 VS Gov. Max. Spring - Ref. Shims					70821 - .000	109688 - .000	42
43 VS Gov. Idle Spring					70778	70778	43
44 VS Gov. Weights					163826	163826	44
45 VS Gov. Plunger					AR40230	AR40230	45
46 VS Gov. Sleeve					212148	212148	46
47 AFC Barrel & Plunger Assembly	3059603					3031298	47
48 AFC In./Hg - PSI						8 - 3.9	48
49 AFC RPM - PSI	1600 - 65					1400 - 74	49
50 AFC Flow - pph	258					425	50
51 AFC Spring - Gage Height-In.	179824 -					179818 -	51
52 AFC Bias Spring	3051071						52
53 AFC No Air RPM - PSI	1600 - 68					1400 - 40	53
54 AFC No Air Flow	264					305	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve				3028325		3028325	61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA 855 R1	NTA.855.G2	NT-855-G5	NTA855 G2	NTA-855-G2	NTA-855-C	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE 1/2 PSI CHECK VALVE IN SUPPLY LINE. BIAS SPRING 3051071 30LBS/INS. USE WITH MUTC. USE LARGE HOLE THROTTLE SHAFT.
- (2) PRESSURISED GEAR PUMP ONLY. FOR USE WITH EFC GOVERNOR ONLY. NON CHECK VALVE CODE USE WITH LARGE HOLE THROTTLE SHAFT
- (3) PRESSURISED GEAR PUMP FOR USE WITHOUT CHECK VALVES VALVE; FOR USE WITH NONE, WOODWARD, BOSCH, O BARBER COLEMAN GOVERNORS.
- (4) USE ANT-RESONANCE HOUSING. PRESSURIZED GEAR PUMP REQUIRED. AFC GUTLESS. CUSTOMER TO PROVIDE THROTTLE GOVERNING.
- (5) PRESSURISED GEAR PUMP ONLY. WITH WOODWARD GOV. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH SMALL HOLE THROTTLE SHAFT. 3046680 AFC GUTLESS. REF. GOV. SHIMS 0.140".
- (6) PRESSURISED GEAR PUMP USE WITH FUEL LINE CHECK VALVES ONLY CONTINUOUS RATING TEST AS NORMAL WITH T.L.V ENERGISED DE-ENERGISE AND SET TO 118PSI @ 540 PPH AT 1800 RPM.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SE17-A - SE22-A

1 Pump Code	SE17-A	SE18-C	SE19-A	SE20-B	SE21-A	SE22-A	1
2 Date - Control Parts List	NOV91 - 1381	FEB93 - 1417	DEC91 - 1381	SEP92 - 1314	FEB92 - 1381	MAR92 - 1382	2
3 Test HP @ RPM	310 - 322 @ 1500	390 - 403 @ 1800	375 - 390 @ 1800	442 - 451 @ 1800	375 - 390 @ 1800	375 - 390 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	111 - 120	142 - 154	147 - 163	144 - 159	150 - 165	147 - 163	5
6 Fuel Rate Pound Per Hour	105 - 109	128 - 133	128 - 133	151 - 157	128 - 134	130 - 136	6
7 Intake Manifold Press. In./Hg	30 - 40	37 - 45	46 - 54	43 - 53	45 - 55	45 - 55	7
8 Torque Rise % - Curve		20 -	6 -	8 -	4 -		8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1630 - 1650	2230 - 2250	1935 - 1955	2230 - 2250	1930 - 1950	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM		148 - 152 @ 2150		145 - 151 @ 2150			13
14 Max. Auto. Gov. Check-RPM @ PSI	1850 @ 15	2580 @ 15	2200 @ 15	2640 @ 15	2050 @ 15	2200 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI		2440 @ 15	2000 @ 15	2500 @ 15	1950 @ 15		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2465 @ 15		2475 @ 15			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2325 @ 15		2315 @ 15			19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	75 -	75 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.			32 @ 500				22
23 Idle Speed cc @ RPM-Auto.	170 @ 650	200 @ 570	200 @ 650	200 @ 700	200 @ 630	200 @ 630	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 830 - 200		@ 875 - 200			24
25 Calibration PSI @ RPM	123 @ 1500	158 @ 1800	166 @ 1800	172 @ 1800	165 @ 1800	161 @ 1800	25
26 Calibration Flow	397	470	470	663	465	488	26
27 Check Point (1) PSI @ RPM		128 - 134 @ 1400	126 - 134 @ 1500	130 - 136 @ 1400	125 - 131 @ 1500	124 - 130 @ 1500	27
28 Check Point (1) Flow		427	413	578	415	433	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.780 - 143854	.800 - 143854	.750 - 143854	.800 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	30 - 141633	15 - 139894	27 - 141632	17 - 140417	27 - 141632	30 - 141633	34
35 Fuel Pump Housing	3060695	3054344	3060695	3038668	3060173		35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153235 - .125	143253 - .140	3000939 - .000	153237 - .180	153236 - .080	153236 - .000	37
38 Gear Pump Size In.	.750	1.000	.750	1.000	1.000	1.000	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3010810	3040750	3040750	3010810	3010810	40
41 Torque Spring - Shims - Gage Height		3053170 - .102 - .602		3053167 - .100 - .600	142701 - .040 - .640	142701 - .040 -	41
42 VS Gov. Max. Spring - Ref. Shims		109690 - .000		109689 - .000			42
43 VS Gov. Idle Spring		153240		153240			43
44 VS Gov. Weights		163826		163826			44
45 VS Gov. Plunger		AR40230		212350			45
46 VS Gov. Sleeve		212148		212148			46
47 AFC Barrel & Plunger Assembly		3058944		3031298			47
48 AFC In./Hg - PSI				12 - 5.8			48
49 AFC RPM - PSI		800 - 16		1000 - 20			49
50 AFC Flow - pph		137		219			50
51 AFC Spring - Gage Height-In.		179824 -		3007692 -			51
52 AFC Bias Spring		3051070					52
53 AFC No Air RPM - PSI		800 - 19		1600 - 45			53
54 AFC No Air Flow		149		336			54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly					3063504		59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		3028324	3028325	3028325			61
62 Certified Year/Agency	1991 TUV	1999 TUV					62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NT-855-G4	NTA-855-A	NT-855-G	NTA-855-A-450	NT-855-G4	NT-855-G4	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP; GEN SET ONLY FOR USE WITH CHECK VALVE. FOR USE WITH NONE, WOODWARD, BOSCH, OR BARBER COLEMAN.
- (2) USE WITH 1/2 PSI CHECK VALVE IN SUPPLY LINE. DUAL SPRING AFC PUMP. ADJUST AFC SET SCREW TO VALUE UNDER AFC THEN ADJUST BOTTOM SCREW TO VALUE UNDER AFC NO AIR SET. BIAS SPRING 3051070 25 IN/LB. THIS IS A VS PUMP WITH CRUISE RAIL SETTING VS LOW IDLE = 200 CC/MIN @ 830 RPM.
- (3) WOODWARD GOVERNOR APPLICATION CHECK VALVES DUAL RATING 1800 AND 1500 RPM
- (4) THIS IS A VS CRUISE RAIL CODE. SET CRUISE RAIL TO 167-171 PSI @ 2100 RPM USING VS HIGH IDLE ADJ SCREW. USE WITH SUPPLY AND DRAIN LINE CHECK VALVES USE WITH STC VALVE FUEL DUMP INTO DRAIN LIN VS LOW IDLE SETTING = 200CC/MIN @ 875RPM.
- (5) USE WITH EFC GOVERNOR ONLY. NO CHECK VALVES. PRESSURISED GEAR PUMP. USE WITH STD SMALL HOLE THROTTLE SHAFT.
- (6) USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. PRESSURISED GEAR PUMP. USE WITH STD SMALL HOLE THROTTLE SHAFT.

1 Pump Code	SE23-A	SE24-B	SE25-A	SE26-A	SE27-A	SE28-A	
2 Date - Control Parts List	JUN92 - 1382	NOV92 - 1181	OCT92 - 1382	OCT92 - 0990	NOV92 - 0990	MAR93 - 1382	2
3 Test HP @ RPM	435 - 452 @ 1800	343 - 357 @ 2100	390 - 405 @ 1800	456 - 474 @ 1800	524 - 546 @ 1800	368 - 383 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	195 - 211	174 - 192	162 - 180	165 - 183	200 - 220	143 - 159	5
6 Fuel Rate Pound Per Hour	152 - 159	125 - 129	137 - 142	163 - 170	185 - 193	127 - 135	6
7 Intake Manifold Press. In./Hg	50 - 60	41 - 49	43 - 53	46 - 56	55 - 65	39 - 49	7
8 Torque Rise % - Curve		28 -	6 - FR1522	11 -	5 -	4 -	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	2130 - 2150	1930 - 1950	2030 - 2050	2030 - 2050	2030 - 2050	11
12 VS/Sec. Gov. Setting-RPM				1930 - 1950	1930 - 1950	1930 - 1950	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 15	2457 @ 15	2150 @ 15	2400 @ 15	2370 @ 15	2340 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2080 @ 15		2030 @ 15	2200 @ 15	2210 @ 15	2180 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI				2230 @ 15	2220 @ 15	2210 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI				2070 @ 15	2060 @ 15	2050 @ 15	19
20 Throttle Leakage-cc - pph	110 -		110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -		28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.			28 @ 500				22
23 Idle Speed cc @ RPM-Auto.	200 @ 630	200 @ 830	180 @ 600	215 @ 670	215 @ 670	180 @ 650	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	210 @ 1800	198 @ 2100	176 @ 1800	185 @ 1800	210 @ 1800	160 @ 1800	25
26 Calibration Flow	555	540	515	672	890	466	26
27 Check Point (1) PSI @ RPM	162 - 168 @ 1500	138 - 144 @ 1400	142 - 148 @ 1500	163 - 169 @ 1500	188 - 194 @ 1500	124 - 130 @ 1500	27
28 Check Point (1) Flow	487	458	470	621	667	413	28
29 Check Point (2) PSI @ RPM		77 - 89 @ 1000					29
30 Check Point (2) Flow		345					30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.800 - 143854	.790 - 143854	.800 - 143854	.755 - 143854	.755 - 143854	33
34 Idle Plunger Code - Part No.	12 - 141626	17 - 140417	22 - 141630	10 - 141625	10 - 141625	30 - 141633	34
35 Fuel Pump Housing	3059646	3279531	3059647	3043727	3043727	3038668	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000938 - .060	143253 - .000	153238 - .163	3000935 - .158	3001155 - .077	3001155 - .110	37
38 Gear Pump Size In.	1.000	.750	.750	1.000	1.000	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3009380	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	142701 - .035 - .635	3002054 - .020 - .620	138993 - .067 - .567	3053157 - .103 - .603	138793 - .042 - .592	142702 - .022 - .572	41
42 VS Gov. Max. Spring - Ref. Shims				70821 - .000	70821 - .000	70821 - .000	42
43 VS Gov. Idle Spring				70778	70778	70778	43
44 VS Gov. Weights				163826	163826	163826	44
45 VS Gov. Plunger				AR40230	AR40230	AR40230	45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly		3058944					47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI		1600 - 52					49
50 AFC Flow - pph		266					50
51 AFC Spring - Gage Height-In.		179820 -					51
52 AFC Bias Spring		3056073					52
53 AFC No Air RPM - PSI		1600 - 55					53
54 AFC No Air Flow		275					54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring		3279531					57
58 TMD Plunger							58
59 EFC Assembly	3063504		3063510				59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1992 GEN	1992 LOCO				1992 GEN	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NT-855-G6	NTA-855-R1	NT-855-G5	NTA-855-G2	NTA-855-G3	NT-855-G4	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) USE WITH EFC GOVERNOR ONLY. USE WITH FUEL LINE CHECK VALVES ONLY. PRESSURISED GEAR PUMP WITH EXT. BLEED. USE WITH STD SMALL HOLE THROTTLE SHAFT.
- (2) USE 1/2 PSI CHECK VALVE IN THE SUPPLY LINE. DUAL SPRING AFC PUMP. USE WITH MULTIPLE UNIT THROTTLE CONTROL. USE WITH LARGE HOLE THROTTLE SHAFT. PRESSURISED GEAR PUMP. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET.
- (3) THIS FUEL CODE FOR USE WITH CHECK VALVE. FOR USE WITH EFC GOVERNOR.
- (4) THIS CODE IS FOR USE WITH NONE OR WOODWARD MECHANICAL GOVERNORS. FOR USE WITH OR WITHOUT CHECK VALVE. LARGE HOLE THROTTLE SHAFT.
- (5) THIS CODE IS FOR USE WITH NONE OR WOODWARD MECHANICAL GOVERNORS. FOR USE WITH OR WITHOUT CHECK VALVE. LARGE HOLE THROTTLE SHAFT.
- (6) FOR USE WITH OR WITHOUT CHECK VALVE; FOR USE WITH NONE OR WOODWARD MECHANICAL GOVERNORS.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES SE29-A - X201-A

1 Pump Code	SE29-A	SE30-A	SE32-A	SF01-A	X200-A	X201-A	1
2 Date - Control Parts List	NOV92 - 1182	NOV92 - 1181	MAY93 - 0972	JUN93 - 1686	SEP88 - 0996	SEP88 - 0996	2
3 Test HP @ RPM	280 - 290 @ 2100	338 - 352 @ 2000	279 - 291 @ 2100	330 - 343 @ 1900	235 - 245 @ 2100	265 - 275 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	134 - 146	161 - 178	167 - 185	108 - 119	134 - 148	156 - 172	5
6 Fuel Rate Pound Per Hour	107 - 111	121 - 126	101 - 105	117 - 122	81 - 85	91 - 95	6
7 Intake Manifold Press. In./Hg	31 - 37	38 - 46	38 - 46	33 - 41	40 - 48	46 - 54	7
8 Torque Rise % - Curve	27 -	26 -	27 -	30 -	25 - NONE	27 - NONE	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	2030 - 2050	2230 - 2250	2030 - 2050	2130 - 2150	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM			2130 - 2150	1930 - 1950			12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2330 @ 15	2340 @ 15	2570 @ 15	2360 @ 15	2457 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI			2410 @ 15	2200 @ 15			15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2440 @ 15	2260 @ 15			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2260 @ 15	2100 @ 15			19
20 Throttle Leakage-cc - pph			110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levtr			28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	180 @ 790	200 @ 650	200 @ 650	200 @ 580	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc			@ 650 - 200	@ 580 - 200			24
25 Calibration PSI @ RPM	140 @ 2100	184 @ 2000	177 @ 2100	115 @ 1900	141 @ 2100	164 @ 2100	25
26 Calibration Flow	460	490	330	265	361	391	26
27 Check Point (1) PSI @ RPM	96 - 102 @ 1300	104 - 110 @ 1200	105 - 111 @ 1300	80 - 86 @ 1200	93 - 99 @ 1300	114 - 120 @ 1300	27
28 Check Point (1) Flow	377	380	250	217	292	322	28
29 Check Point (2) PSI @ RPM	61 - 71 @ 1000	78 - 90 @ 1000		59 - 69 @ 1000			29
30 Check Point (2) Flow	296	330		198			30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.790 - 143855	.800 - 143854	.800 - 143854	.750 - 143854	.775 - 143854	.775 - 143854	33
34 Idle Plunger Code - Part No.	37 - 140418	17 - 140417	32 - 141634	30 - 141633	37 - 140418	27 - 141632	34
35 Fuel Pump Housing	3279531	3279531	3038668	3069255			35
36 Auto. Idle Spring	144195	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	153238 - .000	3001155 - .107	153235 - .163	143253 - .000	143253 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810	3040750	3040760	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	139586 - .020 - .670	138782 - .020 - .670	139587 - .030 - .630	3053163 - .100 - .600	139584 - .020 -	139586 - .020 -	41
42 VS Gov. Max. Spring - Ref. Shims			70821 - .000	109687 - .000			42
43 VS Gov. Idle Spring			70778	70778			43
44 VS Gov. Weights			163826	163826			44
45 VS Gov. Plunger			212350	212148			45
46 VS Gov. Sleeve				212148			46
47 AFC Barrel & Plunger Assembly	3058944	3058944		3074225			47
48 AFC In./Hg - PSI					6 - 2.9	6 - 2.9	48
49 AFC RPM - PSI	1600 - 50	1600 - 55		800 - 14	1600 - 36	1600 - 36	49
50 AFC Flow - pph	264	256		84	174	174	50
51 AFC Spring - Gage Height-In.	179820 -	179820 -		179816 - .117	179828 -	179828 -	51
52 AFC Bias Spring	3056073	3056073		3071947			52
53 AFC No Air RPM - PSI	1600 - 53	1600 - 58		800 - 17	1600 - 73	1600 - 73	53
54 AFC No Air Flow	273	265		93	247	247	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency				1993 EEC	1988 CARB	1988 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	NTA855-R1	NTA855-R1	NT 855 L5	NTAA-340 EURO1	L10	L10	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)		SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) M.U.T.C. USE ONLY. DUAL SPRING AFC. ADJUST TOP SCREW TO VALUE UNDER AFC SETTING. ADJUST BOTTOM SCREW TO VALUE UNDER AFC NO AIR SETTING. USE WITH THROTTLE SHAFT 3006470 ONLY. P1 ORIFICE SIZE .027"/BLANK, P2 .028"/BLANK, P3 .044"/BLANK, P4 .070"/BLANK, P5 BLANK. USE WITH FUEL LINE CHECK VALVES ONLY.
- (2) PRESSURISED GEAR PUMP. USE WITH FUEL LINE CHECK VALVES ONLY. USE WITH MULTIPLE UNIT THROTTLE CONTROL. DUAL SPRING AFC PUMP. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST SECONDARY ADJUSTING SCREW TO VALUE UNDER AFC NO-AIR SET. USE WITH THROTTLE SHAFT 3006470 ONLY.
- (4) USE 1/2 PSI CHECK VALVE IN SUPPLY LINE. 91 AFC. DUAL SPRING. ADJUST AFC SET SCREW TO VALUE UNDER AFC PLUNGER SET. THEN ADJUST BOTTOM SCREW TO VALUE UNDER AFC NO-AIR SET.
- (5) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2209 RPMs. TOR SHIM GAGE SETTING = .670". USE FUEL PUMP HSG P/N 3060707. USE .040" ASA P/N 3042360. USE VENTED AFC PLUNGER P/N 3020739.
- (6) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3060707. TOR SHIM GAGE SETTING = .670". MIN GOV CH PT @ 15 PSI = 2223 RPM. USE .040" ASA P/N 3042360. USE VENTED AFC PLUNGER P/N 3020739.

1 Pump Code	X202-C	X203-A	X204-A	X205-A	X206-A	X207-A	1
2 Date - Control Parts List	MAY89 - 0835	AUG88 - 0781	FEB90 - 1161	FEB89 - 1166	SEP88 - 0980	JAN92 - 0776	2
3 Test HP @ RPM	279 - 291 @ 1800	265 - 275 @ 2100	320 - 340 @ 1600	285 - 315 @ 1800	279 - 291 @ 2200	221 - 230 @ 2100	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	147 - 163	162 - 179	150 - 188	185 - 209	174 - 192	118 - 130	5
6 Fuel Rate Pound Per Hour	90 - 94	90 - 94	103 - 109	95 - 105	96 - 100	76 - 80	6
7 Intake Manifold Press. In./Hg	33 - 41	42 - 50	49 - 59	37 - 53	47 - 57	34 - 42	7
8 Torque Rise % - Curve	14 - NONE	26 - NONE	34 - NONE	31 - NONE	50 - NONE	20 - NONE	8
9 Torque Peak - PSI @ RPM			137 - 170 @ 1200				9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850	2130 - 2150		1830 - 1850	2230 - 2250	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM			150 - 170 @ 1600				13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15		2106 @ 15	2574 @ 15	2457 @ 14	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -		110 -	110 -	110 -	20
21 Throttle Travel-Auto. - VS, Lev	28 -	28 -		28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700		300 @ 700	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	160 @ 1800	170 @ 2100	25 @ 175	195 @ 1800	151 @ 1300	124 @ 2100	25
26 Calibration Flow	376	400	135	278	360	333	26
27 Check Point (1) PSI @ RPM	132 - 138 @ 1300	135 - 141 @ 1400	130 - 160 @ 1200	156 - 162 @ 1200	181 - 185 @ 2200	78 - 84 @ 1300	27
28 Check Point (1) Flow	339	357	520	242	400	262	28
29 Check Point (2) PSI @ RPM			150 - 180 @ 2100				29
30 Check Point (2) Flow			650				30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854		.815 - 143855	.775 - 143854	.775 - 143854	33
34 Idle Plunger Code - Part No.	15 - 139894	22 - 141630		5 - 141623	12 - 141626	47 - 140924	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767		3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3001146 - .000	3001146 - .000		3053101 - .000	153237 - .000	143253 - .000	37
38 Gear Pump Size In.	.750	.750		.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437		146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3010810		3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	139588 - .015 -	3002058 - .030 -		139584 - .025 -	3002050 - .010 -	138784 - .040 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	8 - 3.9	10 - 4.9		6 - 2.9	6 - 2.9		48
49 AFC RPM - PSI	1600 - 43	1600 - 56		1600 - 26	1600 - 29		49
50 AFC Flow - pph	194	210		86	155		50
51 AFC Spring - Gage Height-In.	179834 -	179830 -		3007698 -	3007696 -		51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 70	1600 - 81		1600 - 55	1600 - 70		53
54 AFC No Air Flow	250	273		137	240		54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1987 EPA	1987 CARB	1990 EPA		1988 CARB		62
63 Certified Year/Agency			1990 CARB				63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10	L10	L10	L10	L10	L10	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI 1951 RPMs. USE 3059633 FUEL PUMP HOUSING. USE CLASS FIT AFC ASSY 3041494. THIS IS A PACE PUMP.
- (2) USE VENTED AFC PLUNGER P/N 3020739. USE .040" ASA P/N 3042360. PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2222 RPM. USE 3035693 FUEL PUMP HOUSING.
- (3) 91L10 ECI FUEL PUMP CODE DEVELOPMENT ONLY.
- (4) PRESSURIZED GEAR PUMP REQUIRED; 91L10 STC FUEL PUMP CODE DEVELOPMENT ONLY
- (5) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2324 RPM. USE FUEL PUMP HSG P/N 3060695. USE TMD PLUNGER #204 P/N 3003150 AND TMD SPRING P/N 109687, ST 589 SETTING @ .020 (TMD SHIMS = .160"). .025" ASA REQUIRED P/N 3020760. VENTED AFC PLUNGER REQUIRED P/N 3020739. TOR SPRING GAGE SETTING = .660".
- (6) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2200 RPM. USE FUEL PUMP HSG P/N 3048248. TOR SPRING GAGE SETTING = .690". USE EFC VALVE P/N 3052504.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X208-A - X214-B

1 Pump Code	X208-A	X209-C	X211-A	X212-A	X213-A	X214-B	1
2 Date - Control Parts List	SEP88 - 0956	MAY89 - 0939	AUG88 - 0773	SEP88 - 0956	SEP88 - 0939	SEP88 - 0939	2
3 Test HP @ RPM	235 - 245 @ 1900	294 - 306 @ 1900	284 - 296 @ 2100	235 - 245 @ 1800	265 - 275 @ 2100	265 - 275 @ 1800	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	127 - 139	166 - 184	160 - 176	119 - 131	145 - 161	142 - 157	5
6 Fuel Rate Pound Per Hour	77 - 81	94 - 98	95 - 99	77 - 80	87 - 91	84 - 88	6
7 Intake Manifold Press. In./Hg	34 - 42	39 - 47	39 - 47	33 - 41	36 - 44	34 - 42	7
8 Torque Rise % - Curve	30 - NONE	15 - NONE	18 - NONE	23 - NONE	16 - NONE	21 - NONE	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	1930 - 1950	2130 - 2150	1830 - 1850	2130 - 2150	1830 - 1850	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2223 @ 15	2457 @ 15	2106 @ 15	2457 @ 15	2106 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI			2241 @ 15				15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	132 @ 1900	175 @ 1900	168 @ 2100	125 @ 1800	153 @ 2100	149 @ 1800	25
26 Calibration Flow	345	399	399	333	375	366	26
27 Check Point (1) PSI @ RPM	111 - 117 @ 1300	131 - 137 @ 1300	108 - 114 @ 1300	108 - 114 @ 1300	95 - 101 @ 1300	130 - 136 @ 1300	27
28 Check Point (1) Flow	318	340	318	315	293	345	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	33
34 Idle Plunger Code - Part No.	25 - 141631	10 - 141625	30 - 141633	22 - 141630	40 - 137370	17 - 140417	34
35 Fuel Pump Housing			3060695				35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3053106 - .000	144490 - .000	153238 - .140	3053101 - .000	153238 - .000	3053101 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	139586 - .000 -	3002053 - .010 -	142870 - .000 - .700	3002055 - .005 -	138782 - .060 -	3002053 - .010 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly			3031298				47
48 AFC In./Hg - PSI	8 - 3.9	6 - 2.9	10 - 4.9	8 - 3.9	6 - 2.9	6 - 2.9	48
49 AFC RPM - PSI	1600 - 76	1600 - 22	1600 - 69	1600 - 76	1600 - 30	1600 - 22	49
50 AFC Flow - pph	256	130	230	256	150	130	50
51 AFC Spring - Gage Height-In.	179822 -	3000592 -	179828 -	179822 -	179830 -	3000592 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 68	1600 - 68	1600 - 72	1600 - 68	1600 - 68	1600 - 68	53
54 AFC No Air Flow	238	234	245	234	234	234	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1987 CARB	1988 CARB		1988 CARB	1988 CARB	1988 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10	L10	L10	L10	L10	L10	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3060695. TOR SPRING GAGE SETTING = .650".
- (2) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT 15 PSI = 2051 RPM. USE FUEL PUMP HSG 3059633. USE CLASS FIT AFC ASSY 3041494. THIS IS A PACE PUMP.
- (3) MIN GOV CH PT @ 15 PSI = 2241 RPM. PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3060697.
- (4) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 1927 RPM. USE FUEL PUMP HSG P/N 3060695. TOR SPRING GAGE SETTING = .600".
- (5) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2223 RPM. TRO SPRING GAGE SETTING = .700". FUEL PUMP HSG P/N = 3060695.
- (6) PRESS GEAR PUMP REQUIRED. TORQUE SHIM GAGE SETTING = .610". FUEL PUMP HOUSING P/N = 3060695. MIN GOV CH PT @ 15 PSI = 1943 RPM.

1 Pump Code	X215-A	X216-A	X217-A	X218-B	X219-A	X220-B	1
2 Date - Control Parts List	SEP88 - 0939	SEP88 - 0939	SEP88 - 0956	SEP88 - 0956	SEP88 - 0956	MAY89 - 0956	2
3 Test HP @ RPM	279 - 291 @ 1900	294 - 306 @ 2100	265 - 275 @ 1800	235 - 245 @ 1900	265 - 275 @ 2100	265 - 275 @ 1900	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	159 - 170	169 - 187	139 - 153	127 - 139	151 - 167	143 - 158	5
6 Fuel Rate Pound Per Hour	90 - 94	96 - 100	83 - 87	77 - 81	87 - 91	86 - 90	6
7 Intake Manifold Press. In./Hg	36 - 44	40 - 48	39 - 47	34 - 42	43 - 51	39 - 47	7
8 Torque Rise % - Curve	21 - NONE	15 - NONE	9 - NONE	30 - NONE	27 - NONE	15 - NONE	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	2130 - 2150	1830 - 1850	1930 - 1950	2130 - 2150	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2457 @ 15	2106 @ 15	2223 @ 15	2457 @ 15	2223 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	162 @ 1900	178 @ 2100	146 @ 1800	132 @ 1900	159 @ 2100	150 @ 1900	25
26 Calibration Flow	385	405	360	345	376	370	26
27 Check Point (1) PSI @ RPM	129 - 135 @ 1300	110 - 116 @ 1300	106 - 112 @ 1300	111 - 117 @ 1300	110 - 116 @ 1300	110 - 116 @ 1300	27
28 Check Point (1) Flow	345	320	310	318	303	316	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141629	30 - 141633	30 - 141633	20 - 141629	32 - 141634	22 - 141630	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004755 - .000	153237 - .000	153235 - .000	3053106 - .000	143254 - .000	153235 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	139588 - .030 -	138782 - .030 -	138787 - .025 -	139586 - .000 -	139586 - .015 -	138792 - .025 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 22	1600 - 22	1600 - 76	1600 - 76	1600 - 76	1600 - 76	49
50 AFC Flow - pph	130	130	256	265	265	256	50
51 AFC Spring - Gage Height-In.	3000592 -	3000592 -	179822 -	179822 -	179822 -	179822 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 68	1600 - 68	1600 - 67	1600 - 68	1600 - 68	1600 - 69	53
54 AFC No Air Flow	234	234	232	238	238	239	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1988 CARB		1988 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10	L10	L10	L10	L10		66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESS GEAR PUMP REQUIRED. TORQUE SPRING GAGE SETTING = .630". MIN GOV CH PT @ 15 PSI = 2043 RPM. USE FUEL PUMP HOUSING P/N 3060695.
- (2) PRESS GEAR PUMP REQUIRED. TOR SPRING GAGE SETTING = .680". MIN GOV CH PT @ 15 PSI = 2236 RPM. USE FUEL PUMP HSG P/N 3060695.
- (3) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 1943 RPM. USE FUEL PUMP HSG P/N 3060695. TOR SPRING GAGE SETTING = .625".
- (4) MIN GOV CH PT @ 15 PSI = 2051 RPM. MIN GOV CH PT P REQUIRED. USE FUEL PUMP HSG 3059633. USE CLASS FIT AFC ASSEMBLY 3041494. TOR SPRING GAGE SETTING = .650".
- (5) PRESSURIZED GEAR PUMP REQUIRED. MIN. GOV CH PT @ 15 PSI = 2223 RPM. USE FUEL PUMP HOUSING P/N 3060695. TORQUE SPRING GAGE SETTING = .665".
- (6) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CHECK POINT @ 15 PSI = 2036 RPM'S. USE FUEL PUMP HOUSING P/N 3059633. TORQ SPRING GAGE SETTING = .630". CLASS FIT AFC REQUIRED; THIS IS A PACE PUMP.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X221-A - X226-A

1 Pump Code	X221-A	X222-B	X223-A	X224-E	X225-A	X226-A	
2 Date - Control Parts List	SEP88 - 0956	OCT88 - 0939	SEP88 - 0939	SEP92 - 1346	SEP92 - 1346	JUN92 - 1346	1
3 Test HP @ RPM	235 - 245 @ 2100	294 - 306 @ 1800	265 - 275 @ 2100	294 - 306 @ 1900	279 - 291 @ 1800	279 - 291 @ 2200	2
4 Governed Speed-RPM				1900	1800	2200	3
5 Engine Fuel PSI	137 - 151	165 - 183	152 - 168	166 - 184	154 - 170	159 - 175	4
6 Fuel Rate Pound Per Hour	79 - 83	93 - 97	87 - 91	95 - 99	89 - 93	94 - 98	5
7 Intake Manifold Press. in./Hg	36 - 44	39 - 47	35 - 45	41 - 48	38 - 46	40 - 48	6
8 Torque Rise % - Curve	50 - NONE	9 - NONE	41 - NONE	15 - NONE	14 - NONE	40 - NONE	7
9 Torque Peak - PSI @ RPM				- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	1830 - 1850	2130 - 2150	1930 - 1950	1830 - 1850	2230 - 2250	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2457 @ 15	2223 @ 15	2106 @ 15	2574 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI				2051 @ 15	1951 @ 15	2324 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	144 @ 2100	174 @ 1800	160 @ 2100	175 @ 1900	162 @ 1800	167 @ 2200	24
26 Calibration Flow	355	400	375	400	382	396	25
27 Check Point (1) PSI @ RPM	127 - 133 @ 1300	128 - 134 @ 1300	136 - 142 @ 1300	131 - 137 @ 1300	130 - 136 @ 1300	128 - 134 @ 1300	26
28 Check Point (1) Flow	335	347	350	340	345	345	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	32
34 Idle Plunger Code - Part No.	5 - 141623	15 - 139894	12 - 141626	17 - 140417	15 - 139894	17 - 140417	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3053100 - .000	3000941 - .000	3053101 - .000	144490 - .000	153235 - .000	3001146 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	163826	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3053171 - .100 -	138996 - .095 -	3821491 - .025 -	3002053 - .010 - .610	3053158 - .080 - .585	3035818 - .015 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	8 - 3.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	47
49 AFC RPM - PSI	1600 - 76	1600 - 22	1600 - 22	1600 - 22	1600 - 22	1600 - 22	48
50 AFC Flow - pph	256	130	130	130	130	130	49
51 AFC Spring - Gage Height-In.	179822 -	3000592 -	3000592 -	3000592 -	3000592 -	3000592 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	52
54 AFC No Air Flow	239	234	234	234	239	239	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	61
63 Certified Year/Agency				1991 EPA	1991 EPA	1991 EPA	62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model			L10	L10	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP REQUIRED. MIN. HIGH IDLE SPEED @ 15 PSI = 2209 RPM'S; TORQUE SPRING GAGE SETTING = .600"; USE FUEL PUMP HOUSING P/N 3059636;
- (2) PRESSURIZED GEAR PUMP REQUIRED. MIN. GOV CHECK POINT @ 15 PSI = 1959 RPM'S; TORQUE SPRING GAGE SETTING = .595"; USE FUEL PUMP HOUSING P/N 3060695;
- (3) PRESSURIZED GEAR PUMP REQUIRED; MIN GOVERNOR CHECK POINT @ 15PSI = 2223 RPM'S TORQ SPRING GAGE SETTING = .625"; USE FUEL PUMP HOUSING P/N 3059636; CLASS FIT AFC REQUIRED;
- (4) PRESSURIZED GEAR REQUIRED. MIN GOVERNOR CHECK POINT @ 15 PSI = 2051 PRM TORQUE SPRING GAGE SETTING .610"; USE FUEL PUMP HOUSING 3043254; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (5) PRESSURIZED GEAR REQUIRED. MIN GOV CHECK POINT @ 15 PSI = 1951 RPM'S. TORQUE SPRING SHIM GAGE SETTING = .585". USE FUEL PUMP HOUSING P/N 3060695. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (6) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CK PT SPEED @ 15 PSI = 2323 RPM. USE FUEL PUMP HSG P/N 3043254. TOR SPRING GAGE = . REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPRECEDED BY CPL 1346. THIS CODE IS SUPERCEDED BY X436 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;

1 Pump Code	X227-A	X228-A	X229-A	X230-A	X231-A	X232-B	
2 Date - Control Parts List	SEP92 - 1346	JUN92 - 1346	SEP92 - 1346	JUL92 - 1346	JUN92 - 1223	SEP92 - 1346	1
3 Test HP @ RPM	294 - 306 @ 2100	314 - 326 @ 2100	343 - 357 @ 2100	294 - 306 @ 2100	265 - 275 @ 2100	294 - 306 @ 1900	2
4 Governed Speed-RPM	2100	2100	2100	2100	2100	1900	3
5 Engine Fuel PSI	169 - 187	186 - 208	213 - 235	169 - 187	145 - 161	166 - 184	4
6 Fuel Rate Pound Per Hour	97 - 101	102 - 106	112 - 116	97 - 101	88 - 92	95 - 99	5
7 Intake Manifold Press. In./Hg	42 - 50	43 - 51	47 - 57	42 - 50	37 - 45	41 - 49	6
8 Torque Rise % - Curve	4 - NONE	19 - NONE	9 - NONE	27 - NONE	41 - NONE	15 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2223 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2236 @ 15	2245 @ 15	2259 @ 15	2236 @ 15	2233 @ 15		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	178 @ 2100	196 @ 2100	224 @ 2100	178 @ 2100	153 @ 2100	175 @ 1900	24
26 Calibration Flow	406	426	457	406	375	399	25
27 Check Point (1) PSI @ RPM	94 - 100 @ 1300	128 - 134 @ 1300	128 - 134 @ 1300	128 - 134 @ 1300	129 - 135 @ 1300	131 - 137 @ 1300	26
28 Check Point (1) Flow	293	340	340	335	345	340	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	32
34 Idle Plunger Code - Part No.	37 - 140418	20 - 141629	12 - 141626	17 - 140417	17 - 140417	10 - 141625	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3000936 - .000	153238 - .000	3000936 - .000	153235 - .000	3053101 - .000	144490 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	138785 - .040 - .630	139584 - .020 - .670	138791 - .020 - .620	3002057 - .040 - .640	3821491 - .025 - .630	3002053 - .010 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	8 - 3.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	47
49 AFC RPM - PSI	1600 - 56	1600 - 22	1600 - 22	1600 - 22	1600 - 22	1600 - 22	48
50 AFC Flow - pph	210	130	130	130	130	130	49
51 AFC Spring - Gage Height-In.	179824 -	3000592 -	3000592 -	3000592 -	3000592 -	3000592 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	52
54 AFC No Air Flow	238	234	239	239	239	234	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	61
63 Certified Year/Agency	1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA	62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L-10	L10	L10	L10	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2236 RPM. USE FUEL PUMP HSG P/N 3060695. TOR SPRING GAGE SETTING = .630". REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (2) MIN GOV CH PT @ 15 PSI = 2245 RPM. PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3060718. TORQUE SPRING GAGE SETTING = .670". RESTRICTED TO FIRETRUCK APPLICATION ONLY. RESTRICTED TO 7,500 FOOT ALTITUDE LIMIT. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. THIS CODE IS SUPERCEDED BY X445 FOR.
- (3) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2259 RPM. USE FUEL PUMP HSG P/N 3043254. TORQUE SP GAGE = .620". RESTRICTED TO FIRETRUCK APPL ONLY. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (4) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2236 RPM. USE FUEL PUMP HSG P/N 3043254. TOR SPRING GAGE SETTING = .640". REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. THIS CODE IS SUPERCEDED BY X423 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (5) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3043254. TOR SP GAGE SETTING = .630". MIN GOV CH PT @ 15 PSI = 2223 RPM. THIS CODE IS SUPERCEDED BY X437 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (6) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT 15 PSI = 2051 RPM. USE FUEL PUMP HSG 3059633. USE CLASS FIT AFC ASSY 3041494. THIS IS A PACE PUMP. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X233-A - X238-C

1 Pump Code	X233-A	X234-A	X235-A	X236-A	X237-B	X238-C	
2 Date - Control Parts List	JUN92 - 1223	JUN92 - 1223	SEP92 - 1346	JUL92 - 1346	SEP92 - 1346	JUL92 - 1224	1
3 Test HP @ RPM	265 - 275 @ 2100	265 - 275 @ 1800	279 - 291 @ 1900	294 - 306 @ 2100	294 - 306 @ 1800	265 - 275 @ 1900	2
4 Governed Speed-RPM	2100	1800	1900	2100	1800	1900	3
5 Engine Fuel PSI	145 - 161	142 - 157	159 - 170	169 - 187	165 - 183	150 - 166	4
6 Fuel Rate Pound Per Hour	88 - 92	84 - 88	90 - 94	97 - 101	93 - 97	86 - 90	5
7 Intake Manifold Press. In./Hg	37 - 45	34 - 42	36 - 44	42 - 50	39 - 47	39 - 47	6
8 Torque Rise % - Curve	16 - NONE	21 - NONE	21 - NONE	15 - NONE	9 - NONE	15 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	1830 - 1850	1930 - 1950	2130 - 2150	1830 - 1850	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2223 @ 15	2457 @ 15	2106 @ 15	2223 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI			2043 @ 15	2236 @ 15	1959 @ 15	2036 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	153 @ 2100	149 @ 1800	162 @ 1900	178 @ 2100	174 @ 1800	158 @ 1900	24
26 Calibration Flow	375	366	385	405	400	375	25
27 Check Point (1) PSI @ RPM	95 - 101 @ 1300	130 - 136 @ 1300	129 - 135 @ 1300	110 - 116 @ 1300	128 - 134 @ 1300	110 - 116 @ 1300	26
28 Check Point (1) Flow	293	345	345	320	347	315	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	32
34 Idle Plunger Code - Part No.	40 - 137370	17 - 140417	20 - 141629	30 - 141633	15 - 139894	25 - 141631	33
35 Fuel Pump Housing						3060695	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	3053101 - .000	3004755 - .000	153237 - .000	3000941 - .000	3000941 - .135	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040760	39
41 Torque Spring - Shims - Gage Height	138782 - .060 -	3002053 - .010 -	139588 - .030 - .630	138782 - .030 - .680	138996 - .095 - .595	138792 - .000 - .600	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly						3031298	46
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	8 - 3.9	47
49 AFC RPM - PSI	1600 - 30	1600 - 22	1600 - 22	1600 - 22	1600 - 22	1600 - 76	48
50 AFC Flow - pph	150	130	130	130	130	256	49
51 AFC Spring - Gage Height-In.	179830 -	3000592 -	3000592 -	3000592 -	3000592 -	179822 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 89	52
54 AFC No Air Flow	234	234	234	234	234	239	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	61
63 Certified Year/Agency	1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA	62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	L10	L10	L10		L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2223 RPM. TRO SPRING GAGE SETTING = .700". FUEL PUMP HSG P/N = 3060695. THIS CODE IS SUPERCEDED BY X438 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (2) PRESS GEAR PUMP REQUIRED. TORQUE SHIM GAGE SETTING = .610". FUEL PUMP HOUSING P/N = 3060695. MIN GOV CH PT @ 15 PSI = 1943 RPM. THIS CODE IS SUPERCEDED BY X439 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (3) PRESS GEAR PUMP REQUIRED. TORQUE SPRING GAGE SETTING = .630". MIN GOV CH PT @ 15 PSI = 2043 RPM. USE FUEL PUMP HOUSING P/N 3060695. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (4) PRESS GEAR PUMP REQUIRED. TOR SPRING GAGE SETTING = .680". MIN GOV CH PT @ 15 PSI = 2236 RPM. USE FUEL PUMP HSG P/N 3060695. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. THIS CODE IS SUPERCEDED BY X424 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (5) PRESSURIZED GEAR PUMP REQUIRED. MIN. GOV CHECK POINT @ 15 PSI = 1959 RPM'S; TORQUE SPRING GAGE SETTING = .595"; USE FUEL PUMP HOUSING P/N 3060695; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (6) PRESSURIZED GEAR PUMP. MIN GOV CK PT @ 15 PSI = 2036 RPM. FUEL PUMP HOUSING P/N 3060695; TORQUE SPRING GAGE SETTING = .600"; THIS CODE IS SUPERCEDED BY X431 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;

1 Pump Code	X239-A	X240-B	X241-A	X242-A	X243-A	X244-A	
2 Date - Control Parts List	JUL92 - 1224	JUL92 - 1224	JUL92 - 1224	SEP92 - 1224	JUL92 - 1224	JUL92 - 1224	1
3 Test HP @ RPM	245 - 255 @ 2200	235 - 245 @ 2100	235 - 245 @ 1900	235 - 245 @ 1800	265 - 275 @ 1800	235 - 245 @ 1900	2
4 Governed Speed-RPM	2200	2100	1900		1800	1900	3
5 Engine Fuel PSI	142 - 156	130 - 144	128 - 142	119 - 131	139 - 153	127 - 139	4
6 Fuel Rate Pound Per Hour	84 - 89	79 - 83	77 - 81	77 - 80	83 - 87	77 - 81	5
7 Intake Manifold Press. In./Hg	39 - 47	36 - 44	34 - 42	33 - 41	39 - 47	34 - 42	6
8 Torque Rise % - Curve	51 - NONE	50 - NONE	30 - NONE	23 - NONE	9 - NONE	30 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2230 - 2250	2130 - 2150	1930 - 1950	1830 - 1850	1830 - 1850	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2574 @ 15	2457 @ 15	2223 @ 15	2106 @ 15	2106 @ 15	2223 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2309 @ 15	2209 @ 15	2021 @ 15	1927 @ 15	1943 @ 15	2021 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	149 @ 2200	137 @ 2100	135 @ 1900	125 @ 1800	146 @ 1800	132 @ 1900	24
26 Calibration Flow	372	355	345	333	360	345	25
27 Check Point (1) PSI @ RPM	120 - 126 @ 1300	120 - 126 @ 1300	112 - 118 @ 1300	108 - 114 @ 1300	106 - 112 @ 1300	111 - 117 @ 1300	26
28 Check Point (1) Flow	337	335	315	315	310	318	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	32
34 Idle Plunger Code - Part No.	20 - 141629	5 - 141623	25 - 141631	22 - 141630	30 - 141633	20 - 141629	33
35 Fuel Pump Housing	3060695		3060695				34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3051817 - .000	3053100 - .000	3053106 - .000	3053101 - .000	153235 - .000	3053106 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	163826	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3821488 - .060 - .655	3053171 - .105 - .605	139585 - .000 - .650	3002055 - .005 - .600	138787 - .025 - .625	139586 - .000 - .650	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly						3036903	46
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	47
49 AFC RPM - PSI	1600 - 76	1600 - 76	1600 - 76	1600 - 76	1600 - 76	1600 - 76	48
50 AFC Flow - pph	256	256	256	256	256	256	49
51 AFC Spring - Gage Height-In.	179822 -	179822 -	179822 -	179822 -	179822 -	179822 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 69	1600 - 68	1600 - 68	1600 - 68	1600 - 67	1600 - 68	52
54 AFC No Air Flow	239	239	238	234	232	238	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	61
63 Certified Year/Agency	1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA	62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	L10	L10	L10	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3060695; MIN GOV CK PT @ 15 PSI = 2309 RPM. TORQ SP LENGTH GAGE = .655". THIS CODE IS SUPERCEDED BY X416 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (2) MIN HIGH IDLE SPEED @ 15 PSI = 2209 RPM. PRESSURIZED GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3060695; TORQUE SPRING GAGE SETTING = .605"; THIS CODE IS SUPERCEDED BY X417 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (3) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3060695. TOR SPRING GAGE SETTING = .650". THIS CODE IS SUPERCEDED BY X427 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (4) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 1927 RPM. USE FUEL PUMP HSG P/N 3060695. TOR SPRING GAGE SETTING = .600". THIS CODE IS SUPERCEDED BY X428 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (5) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 1943 RPM. USE FUEL PUMP HSG P/N 3060695. TOR SPRING GAGE SETTING = .625". THIS CODE IS SUPERCEDED BY X432 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (6) MIN GOV CH PT @ 15 PSI = 2051 RPM. MIN GOV CH PT P REQUIRED. USE FUEL PUMP HSG 3059633. USE CLASS FIT AFC ASSEMBLY 3041494. TOR SPRING GAGE SETTING = .650". THIS IS A PACE PUMP CODE; THIS CODE IS SUPERCEDED BY X429 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X245-A - X250-B

1 Pump Code	X245-A	X246-B	X247-A	X248-A	X249-A	X250-B	
2 Date - Control Parts List	JUL92 - 1224	JUL92 - 1224	JUL92 - 1224	JUN92 - 1223	SEP92 - 1225	SEP92 - 1226	1
3 Test HP @ RPM	265 - 275 @ 2100	265 - 275 @ 1900	235 - 245 @ 2100	265 - 275 @ 2100	279 - 291 @ 2200	235 - 245 @ 2100	2
4 Governed Speed-RPM	2100	1900	2100	2100	2200	2100	3
5 Engine Fuel PSI	151 - 167	143 - 158	137 - 151	152 - 168	174 - 192	134 - 148	4
6 Fuel Rate Pound Per Hour	87 - 91	86 - 90	79 - 83	88 - 92	96 - 100	81 - 85	5
7 Intake Manifold Press. In./Hg	43 - 51	39 - 47	36 - 44	37 - 45	47 - 57	40 - 48	6
8 Torque Rise % - Curve	27 - NONE	15 - NONE	50 - NONE	41 - NONE	50 - NONE	45 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	1930 - 1950	2130 - 2150	2130 - 2150	2230 - 2250	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2223 @ 15	2457 @ 15	2457 @ 15	2574 @ 15	2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2036 @ 15	2209 @ 15	2223 @ 15	2324 @ 15	2209 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	159 @ 2100	150 @ 1900	144 @ 2100	160 @ 2100	151 @ 1300	141 @ 2100	24
26 Calibration Flow	376	370	355	375	360	360	25
27 Check Point (1) PSI @ RPM	110 - 116 @ 1300	110 - 116 @ 1300	127 - 133 @ 1300	136 - 142 @ 1300	181 - 185 @ 2200	118 - 124 @ 1300	26
28 Check Point (1) Flow	303	316	335	350	400	330	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	32
34 Idle Plunger Code - Part No.	32 - 141634	22 - 141630	5 - 141623	12 - 141626	12 - 141626	22 - 141630	33
35 Fuel Pump Housing					3060695	3060695	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143254 - .000	153235 - .000	3053100 - .000	3053101 - .000	153237 - .000	3053101 - .100	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	163826	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	139586 - .015 - .665	138792 - .025 - .630	3053171 - .100 - .600	3821491 - .025 - .625	3002050 - .010 - .660	3821491 - .030 - .630	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly					3031297	3031297	46
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9	6 - 2.9	6 - 2.9	6 - 2.9	47
49 AFC RPM - PSI	1600 - 76	1600 - 76	1600 - 76	1600 - 22	1600 - 29	1600 - 36	48
50 AFC Flow - pph	265	256	256	130	155	174	49
51 AFC Spring - Gage Height-In.	179822 -	179822 -	179822 -	3000592 -	3007696 -	179828 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 68	1600 - 69	1600 - 68	1600 - 68	1600 - 70	1600 - 73	52
54 AFC No Air Flow	238	239	239	234	240	247	53
55 ASA Valve					3020760	3042360	54
56 TMD Set with ST589 - Shims					.020 - .160		55
57 TMD Spring					109687		56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	61
63 Certified Year/Agency	1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA	62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10			L10	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP REQUIRED. MIN. GOV CH PT @ 15 PSI = 2223 RPM. USE FUEL PUMP HOUSING P/N 3060695. TORQUE SPRING GAGE SETTING = .665". THIS CODE IS SUPERCEDED BY X433 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (2) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CHECK POINT @ 15 PSI = 2036 RPM'S. USE FUEL PUMP HOUSING P/N 3059633. TORQ SPRING GAGE SETTING = .630". CLASS FIT AFC REQUIRED; THIS IS A PACE PUMP; THIS CODE IS SUPERCEDED BY X434 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (3) PRESSURIZED GEAR PUMP REQUIRED. MIN. HIGH IDLE SPEED @ 15 PSI = 2209 RPM'S; TORQUE SPRING GAGE SETTING = .600"; USE FUEL PUMP HOUSING P/N 3059636; THIS CODE IS SUPERCEDED BY X418 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (4) PRESSURIZED GEAR PUMP REQUIRED; MIN GOVERNOR CHECK POINT @ 15PSI = 2223 RPM'S TORQ SPRING GAGE SETTING = .625"; USE FUEL PUMP HOUSING P/N 3059636; CLASS FIT AFC REQUIRED; THIS FUEL CODE IS SUPERCEDED BY X440 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (5) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2324 RPM. USE FUEL PUMP HSG P/N 3060695. USE TMD PLUNGER #204 P/N 3003150 AND TMD SPRING P/N 109687, ST 589 SETTING @ .020 (TMD SHIMS = .160"). .025" ASA REQUIRED P/N 3020760. VENTED AFC PLUNGER REQUIRED P/N 3020739. TOR SPRING GAGE SETTING = .660".
- (6) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2209 RPM'S. USE FUEL PUMP HOUSING P/N 3060695; TORQUE SPRING GAGE SETTING = .630"; USE .040" ASA P/N 3042360. USE VENTED AFC PLUNGER P/N 3020739.

1 Pump Code	X251-A	X252-A	X253-A	X254-B	X255-A	X256-A	
2 Date - Control Parts List	SEP92 - 1226	SEP92 - 1226	JAN90 - 0836	DEC89 - 0774	JUL92 - 1346	JAN92 - 0775	1
3 Test HP @ RPM	235 - 245 @ 2100	265 - 275 @ 2100	245 - 255 @ 2100	294 - 306 @ 2100	294 - 306 @ 2100	284 - 295 @ 2125	2
4 Governed Speed-RPM	2100	2100			2100		3
5 Engine Fuel PSI	134 - 148	156 - 172	126 - 140	163 - 181	169 - 187	169 - 187	4
6 Fuel Rate Pound Per Hour	81 - 85	91 - 94	81 - 85	97 - 101	97 - 101	93 - 97	5
7 Intake Manifold Press. In./Hg	40 - 48	45 - 55	30 - 38	40 - 48	42 - 50	32 - 42	6
8 Torque Rise % - Curve	25 - NONE	27 - NONE	37 - NONE	15 - NONE	27 - NONE	21 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300.	- @ 1300			- @ 1300		8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	2155 - 2175	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2486 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2209 @ 15	2223 @ 15			2236 @ 15		14
16 HS Gov. Setting-PSI @ RPM							15
17 Low HS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	230 @ 650	300 @ 700	91 @ 1050	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	141 @ 2100	164 @ 2100	133 @ 2100	172 @ 2100	178 @ 2100	178 @ 2125	24
26 Calibration Flow	361	391	358	415	406	400	25
27 Check Point (1) PSI @ RPM	93 - 98 @ 1300	114 - 120 @ 1300	112 - 118 @ 1300	111 - 117 @ 1300	128 - 134 @ 1300	121 - 127 @ 1300	26
28 Check Point (1) Flow	292	322	332	340	335	320	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.800 - 143855	.775 - 143854	.800 - 143855	32
34 Idle Plunger Code - Part No.	37 - 140418	27 - 141632	22 - 141630	15 - 139894	12 - 141626	10 - 141625	33
35 Fuel Pump Housing	3060695						34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	143253 - .000	3053101 - .000	3000940 - .000	153235 - .000	153235 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	3002044	146437	3002044	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040760	3040750	3040760	39
41 Torque Spring - Shims - Gage Height	139584 - .020 - .670	139586 - .020 - .670	3821491 - .020 -	3821488 - .010 -	3002057 - .040 - .640	3002051 - .015 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	10 - 4.9	6 - 2.9		47
49 AFC RPM - PSI	1600 - 36	1600 - 36	1600 - 31	1600 - 68	1600 - 22		48
50 AFC Flow - pph	174	174	153	252	130		49
51 AFC Spring - Gage Height-In.	179828 -	179828 -	179826 -	179828 -	3000592 -		50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 73	1600 - 73	1600 - 70	1600 - 70	1600 - 68		52
54 AFC No Air Flow	247	247	250	249	239		53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger -							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 AUST	1988 EPA	1988 CARB		61
63 Certified Year/Agency	1991 EPA	1991 EPA			1991 EPA		62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	L10	L10	L-10	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2209 RPM'S. TOR SHIM GAGE SETTING = .670". USE FUEL PUMP HOUSING P/N 3060695; USE .040" ASA P/N 3042360. USE VENTED AFC PLUNGER P/N 3020739.
- (2) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3060707. TOR SHIM GAGE SETTING = .670". MIN GOV CH PT @ 15 PSI = 2223 RPM. USE .040" ASA P/N 3042360. USE VENTED AFC PLUNGER P/N 3020739.
- (3) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CHECK POINT @ 15 PSI = 2214 RPM'S; TORQUE SPRING GAGE SETTING = .620"; USE FUEL PUMP HOUSING P/N 3060211; FOR AUSTRALIA USE ONLY.
- (4) PRESS GEAR PUMP REQUIRED TORQUE SPRING GAGE SETTING = .630"; MIN GOV SPEED @ 15PSI CH PT = 2236 RPM. USE FUEL PUMP HOUSING P/N 3060695.
- (5) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2236 RPM. USE FUEL PUMP HOUSING P/N 3059633. TOR SPRING GAGE SETTING = .640". PACE FUEL PUMP WITH CLASS FIT AFC; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. THIS CODE IS SUPERCEDED BY X425 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE.
- (6) PRESSURIZED GEAR PUMP REQUIRED TORQUE SPRING GAGE SETTING = .665"; NO AFC REQUIRED MIN GOVERNOR SPEED @ 15 PSI = 2255 RPM'S; USE FUEL PUMP HOUSING P/N 3060695.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X257-A - X262-A

1 Pump Code	X257-A	X258-A	X259-A	X260-A	X261-A	X262-A	1
2 Date - Control Parts List	JUL90 - 1225	OCT91 - 1166	JUN92 - 1346	JUL92 - 1224	SEP92 - 1346	JAN92 - 0775	2
3 Test HP @ RPM	294 - 306 @ 2200	294 - 306 @ 1800	279 - 291 @ 2200	235 - 245 @ 2100	294 - 306 @ 1900	284 - 296 @ 2100	3
4 Governed Speed-RPM			2200	2100	1900		4
5 Engine Fuel PSI	185 - 205	184 - 204	159 - 175	129 - 143	166 - 184	161 - 178	5
6 Fuel Rate Pound Per Hour	101 - 105	96 - 100	94 - 98	79 - 83	95 - 99	93 - 97	6
7 Intake Manifold Press. In./Hg	50 - 60	43 - 51	40 - 48	36 - 44	41 - 48	39 - 47	7
8 Torque Rise % - Curve	42 - NONE	31 - NONE	26 - NONE	30 - NONE	15 - NONE	20 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1400		- @ 1300	- @ 1300	- @ 1300		9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2230 - 2250	1820 - 1840	2230 - 2250	2130 - 2150	1930 - 1950	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2574 @ 15	1959 @ 15	2574 @ 15	2457 @ 15	2223 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2330 @ 15		2324 @ 15	2209 @ 15	2051 @ 15		15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	168 @ 1400	194 @ 1200	167 @ 2200	136 @ 2100	175 @ 1900	169 @ 2100	25
26 Calibration Flow	380	300	400	355	400	395	26
27 Check Point (1) PSI @ RPM	193 - 197 @ 2200	216 - 222 @ 1800	109 - 115 @ 1300	95 - 101 @ 1300	131 - 137 @ 1300	114 - 120 @ 1300	27
28 Check Point (1) Flow	410	320	310	285	340	325	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.775 - 143855	- 143854	.775 - 143854	.775 - 143854	.775 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	12 - 141626	N27 - 141632	27 - 141632	30 - 141633	15 - 139894	25 - 141631	34
35 Fuel Pump Housing			3060695				35
36 Auto. Idle Spring	3018767	3063078	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3001147 - .000	3000933 - .000	153238 - .110	153235 - .140	144490 - .000	143253 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	3046954	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3010810	40
41 Torque Spring - Shims - Gage Height	3002056 - .060 - .660	138999 - .015 -	3002049 - .010 - .650	3002056 - .040 - .640	3002053 - .010 - .610	139584 - .030 -	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	6 - 2.9	8 - 3.9	6 - 2.9	8 - 3.9	6 - 2.9		48
49 AFC RPM - PSI	1600 - 29	1600 - 19	1600 - 22	1600 - 76	1600 - 22		49
50 AFC Flow - pph	155	73	130	256	130		50
51 AFC Spring - Gage Height-In.	3007696 -	3007692 -	3000592 -	179822 -	3000592 -		51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 70	1600 - 63	1600 - 68	1600 - 68	1600 - 68		53
54 AFC No Air Flow	240	147	239	239	234		54
55 ASA Valve	3020760						55
56 TMD Set with ST589 - Shims	.110 - .235						56
57 TMD Spring	109689						57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly					3071374		60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1989 CARB	1989 CARB	1989 CARB	1989 CARB	1989 CARB		62
63 Certified Year/Agency			1991 EPA	1991 EPA	1991 EPA		63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10		L10	L10	L10	L-10	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2330 RPM'S; USE FUEL PUMP HSG P/N 3060695. USE TMD PLUNGER #202 P/N 215092 AND TMD SPRING P/N 109689. ST 589 SETTING @ .110 (TMD SHIMS = .235"); .025" ASA REQUIRED P/N 3020760. VENTED AFC PLUNGER REQUIRED P/N 3020739. TOR SPRING GAGE SETTING = .660".
- (2) PRESSURIZED GEAR PUMP REQUIRED. MIN. GOV CHECK POINT @ 15 PSI = 1959 RPM'S; TORQUE SPRING GAGE SETTING = .515"; USE FUEL PUMP HOUSING P/N 3060695; USE TMD GOVERNOR PLUNGER #201 P/N 202612 AND TMD SPRING P/N 112403; ST589 TOOL SETTING = +.030"; (TMD SHIMS = .105"); .025" ASA REQUIRED P/N 3020760; VENTED AFC PLUNGER REQUIRED P/N 3020739;
- (3) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CK PT SPEED @ 15 PSI = 2323 RPM. USE FUEL PUMP HOUSING P/N 3060695; TORQUE SPRING GAGE SETTING = .650". REQUIRES STELLITE FACED VALVES. RATINGS OF. 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. THIS CODE IS SUPERCEDED BY X441 FOR; THE LOBC CAMSHAFT AND TIMING CHAGNE;
- (4) MIN HIGH IDLE SPEED @ 15 PSI = 2209 RPM. PRESSURIZED GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3060695. TORQUE SPRING GAGE SETTING = .640"; THIS CODE IS SUPERCEDED BY X417 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (5) PRESSURIZED GEAR REQUIRED. MIN GOVERNOR CHECK POINT @ 15 PSI = 2051 PRM TORQUE SPRING GAGE SETTING .610"; USE FUEL PUMP HSG P/N 3068106; PT-PACER FUEL PUMP; REQUIRES STELLITE FACED VALVES. RATINGS OF. 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (6) PRESS GEAR PUMP REQUIRED 24V EFC NORMALLY OPEN REQUIRED P/N3052504; TORQUE SPRING GAGE SETTING .683"; MIN GOV SPEED @ 15 PSI CH PT = 2232 RPM. USE FUEL PUMP HOUSING P/N 3059646;

1 Pump Code	X264-B	X265-A	X266-A	X267-A	X268-A	X269-A	
2 Date - Control Parts List	AUG92 - 1241	AUG92 - 1241	JUN89 - 0779	JAN90 - 0774	OCT92 - 0770	JUN89 - 0835	1
3 Test HP @ RPM	301 - 319 @ 1800	301 - 319 @ 1800	235 - 245 @ 2100	294 - 306 @ 2100	216 - 224 @ 2200	294 - 306 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	190 - 218	190 - 218	132 - 146	163 - 181	115 - 127	181 - 179	4
6 Fuel Rate Pound Per Hour	101 - 107	101 - 107	79 - 83	97 - 101	74 - 77	97 - 101	5
7 Intake Manifold Press. in./Hg	46 - 56	46 - 56	35 - 43	40 - 46	32 - 40	37 - 45	6
8 Torque Rise % - Curve	27 -	27 -	45 - NONE	15 - NONE	20 - NONE	26 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1200						8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1815 - 1830	1815 - 1830	2130 - 2150	2130 - 2150	2230 - 2250	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	2574 @ 15	2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	1965 @ 15						14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto. - VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 625	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	194 @ 1600	194 @ 1600	139 @ 2100	172 @ 2100	121 @ 2200	175 @ 2100	24
26 Calibration Flow	370	370	350	415	344	400	25
27 Check Point (1) PSI @ RPM	193 - 199 @ 1800	193 - 199 @ 1800	117 - 123 @ 1300	110 - 116 @ 1300	70 - 76 @ 1300	134 - 140 @ 1300	26
28 Check Point (1) Flow	372	372	320	330	262	346	27
29 Check Point (2) PSI @ RPM	168 - 175 @ 1200	168 - 175 @ 1200					28
30 Check Point (2) Flow	347	347					29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.800 - 143855	.775 - 143855	.800 - 143854	32
34 Idle Plunger Code - Part No.	000 - 102635	000 - 102635	22 - 141630	15 - 139894	60 - 140927	17 - 140417	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3063078	3063078	3063078	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143255 - .000	143255 - .000	3053101 - .000	3000940 - .000	153237 - .000	3001146 - .000	36
38 Gear Pump Size in.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	3002044	146437	146437	38
40 Auto. Gov. Plunger	3063080	3063080	3010810	3040760	3040750	3010810	39
41 Torque Spring - Shims - Gage Height	3053173 - .040 -	3053173 - .040 -	3052124 - .055 -	3821486 - .015 -	138784 - .030 -	3002050 - .010 -	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	10 - 4.9	10 - 4.9	12 - 5.8	10 - 4.9	8 - 3.9	8 - 3.9	47
49 AFC RPM - PSI	1200 - 24	1200 - 24	1600 - 66	1600 - 68	1600 - 58	1600 - 43	48
50 AFC Flow - pph	119	119	242	252	224	194	49
51 AFC Spring - Gage Height-In.	3007692 -	3007692 -	179830 -	179828 -	179824 -	179834 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1200 - 39	1200 - 39	1600 - 71	1600 - 70 -	1600 - 71	1600 - 70	52
54 AFC No Air Flow	145	145	242	249	240	250	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve			1987 AUST.	1989 EPA		1987 EPA	60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	SEE NOTE (1)	SEE NOTE (2)	L-10 SEE NOTE (3)	L-10 SEE NOTE (4)	L10 SEE NOTE (5)	L10 SEE NOTE (6)	65
67 Notes							66

NOTES

- (1) PRESSURIZED GEAR PUMP REQUIRED; CLASSFIT AFC REQUIRED; MIN GOV CHECK POINT @ 15 PSI = 1965 RPMs; USE FUEL PUMP HOUSING P/N = 3083142; TORQUE SPRING GAGE SETTING = .540"; CHECK POINT #2 168-175 @ 347 @ 1200 RPMs;
- (2) PRESSURIZED GEAR PUMP REQUIRED; CLASSFIT AFC REQUIRED; MIN GOV CHECK POINT @ 15 PSI = 1965 RPMs; USE FUEL PUMP HOUSING P/N = 3083142; TORQUE SPRING GAGE SETTING = .540"; PT-PACER FUEL PUMP, EFC NORMALLY CLOSED; CHECK POINT #2, 168-175 @ 347 @ 1200 RPMs;
- (3) TORQUE SPRING GAGE SETTING = .557"; PRESSURIZED GEAR PUMP REQUIRED MIN GOV SPEED @ 15 PSI CH PT = 2209 RPM. USE FUEL PUMP HOUSING P/N 3883142; 55 DEGREE PLUNGER REQUIRED;
- (4) PRESS GEAR PUMP REQUIRED TORQUE SPRING GAGE SETTING = .616"; MIN GOV SPEED @ 15PSI CH PT = 2236 RPM. USE FUEL PUMP HOUSING P/N 3059636; CLASSFIT AFC REQUIRED;
- (5) PRESSURIZED GEAR REQUIRED. MIN GOVERNOR CHECK POINT @ 15 PSI = 2295 RPM TORQUE SPRING GAGE SETTING = .678"; USE FUEL PUMP HOUSING P/N 3060695;
- (6) PRESS GEAR PUMP REQUIRED MIN GOV SPEED @ 15 PSI CH PT = 2236 RPM. FUEL PUMP HOUSING P/N 3059633; THIS IS A PACE FUEL PUMP;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X270-A - X276-A

1 Pump Code	X270-A	X272-B	X273-B	X274-B	X275-A	X276-A	
2 Date - Control Parts List	JUN92 - 1223	FEB91 - 1349	FEB91 - 1349	FEB91 - 1349	FEB91 - 1349	FEB90 - 1347	1
3 Test HP @ RPM	265 - 275 @ 2100	301 - 319 @ 1600	291 - 309 @ 1700	301 - 319 @ 1600	219 - 309 @ 1700	301 - 319 @ 1600	2
4 Governed Speed-RPM	2100	1800	1950	1800	1950		3
5 Engine Fuel PSI	145 - 161	142 - 157	141 - 155	142 - 157	141 - 155	150 - 170	4
6 Fuel Rate Pound Per Hour	87 - 91	98 - 104	96 - 102	98 - 104	96 - 102	99 - 105	5
7 Intake Manifold Press. In./Hg	36 - 44	47 - 57	46 - 56	47 - 57	46 - 56	51 - 61	6
8 Torque Rise % - Curve	27 - NONE	27 -	58 - NONE	27 - NONE	27 - NONE	31 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1200	- @ 1200	- @ 1200	- @ 1200		8
10 Cranking Fuel Press.-PSI @ RPM						137 - 170 @ 1200	9
11 Auto. Gov. Setting-RPM	2130 - 2150	1815 - 1840		1815 - 1840			10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM			90 - 100 @ 2100		90 - 100 @ 2100	150 - 170 @ 1600	12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2300 @ 15	2106 @ 15	2300 @ 15		13
15 Min. Auto. Gov. Check-RPM @ PSI	2223 @ 15	1965 @ 15	2200 @ 15	1965 @ 15	2200 @ 15		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -		19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -		20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700		22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	153 @ 2100	149 @ 1600	147 @ 1700	149 @ 1600	147 @ 1700	25 @ 175	24
26 Calibration Flow	378	400	385	400	385	135	25
27 Check Point (1) PSI @ RPM	109 - 115 @ 1300	123 - 129 @ 1200	123 - 129 @ 1200	123 - 129 @ 1200	123 - 129 @ 1200	130 - 160 @ 1200	26
28 Check Point (1) Flow	324	365	355	370	355	520	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow						150 - 180 @ 2100	29
31 Check Point (3) PSI @ RPM						650	30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143855	.770 - 143855	.760 - 143855	.780 - 143855	.760 - 143855		32
34 Idle Plunger Code - Part No.	27 - 141632	N10 - 141625	N07 - 141624	N05 - 141623	7 - 141624		33
35 Fuel Pump Housing		3883549	3883545	3883551	3883547		34
36 Auto. Idle Spring	3018767	3063078	3018767	3063078	3018767		35
37 Auto. Gov. Spring - Ref. Shims	143254 - .150	3004751 - .130	3004751 - .130	3004751 - .130	3004751 - .130		36
38 Gear Pump Size In.	.750	.750	.750	.750	.750		37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437		38
40 Auto. Gov. Plunger	3040750	3063080	3070740	3063080	3070720		39
41 Torque Spring - Shims - Gage Height	3002047 - .015 - .670	3052124 - .035 - .535	3052124 - .050 - .550	3052124 - .035 - .535	3052124 - .050 - .550		40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly		3070591	3070591	3070591	3070591		46
48 AFC In./Hg - PSI	6 - 2.9						47
49 AFC RPM - PSI	1600 - 22	1200 - 31	1200 - 31	1200 - 31	1200 - 31		48
50 AFC Flow - gph	130	170	170	170	170		49
51 AFC Spring - Gage Height-In.	3000592 -	179834 - .117	179834 - .117	179834 - .117	179834 - .117		50
52 AFC Bias Spring		3071704	3071704	3071704	3071704		51
53 AFC No Air RPM - PSI	1600 - 68	1200 - 33	1200 - 33	1200 - 33	1200 - 33		52
54 AFC No Air Flow	234	178	178	178	175		53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly					3071374		59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1989 CARB	1990 CARB	1990 CARB	1990 CARB	1990 CARB	1990 EPA	61
63 Certified Year/Agency	1991 EPA					1990 CARB	62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	91STC-L10-310	L10-91STC-300	L10-91STC-310	L10-91STC-300	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)		66

NOTES

- (1) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3060695; TORQUE SPRING GAGE SETTING = .670"; MIN GOV CH PT @ 15 PSI = 2223 RPM'S; THIS CODE IS SUPERCEDED BY X442 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (2) DSAFC W/KEY HOLE EDM BARREL P/N 3070591; USE A 3071704 AFC BIAS SPRING; SHIM AFC MAIN SPG P/N 179834 TO 1.320"; TORQUE SPRING GAGE SETTING = .535"; USE 55 DEGREE GOVERNOR PLUNGER; MIN GOVERNOR CH PT @ 15 PSI = 1965 RPM'S; USE FUEL PUMP HOUSING P/N 3883549;
- (3) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; USE A 3071704 AFC BIAS SPRING; SHIM AFC MAIN SPG P/N 179834 TO 1.320"; SHIM CRUISESPEED RAIL TO 90-100PSI @ 2100RPM REF, USE .075" SHIMS ON THE GOVERNOR SPRING; MIN GOVERNOR CH PT @ 15 PSI = 2200 RPM; USE FUEL PUMP HOUSING P/N 3883545; TORQUE SPRING GAGE SETTING = .560"; PRESSURIZED GEAR PUMP REQUIRED;
- (4) SHIM AFC MAIN SPRING TO 1.320"; DSAFC EDM BARRELL & PLUNGER P/N 3070591; MIN GOV CK PT @ 15 PSI = 1965 RPM; TORQUE SPRING GAGE SETTING = .535"; USE F.P. HSG P/N3883551 PT-PACER; USE 55 DEG PLUNGER P/N 3063080; USE BIAS SPRING P/N 3071704; PRISURIZED GEAR PUMP REQUIRED;
- (5) DSAFC EDM BARRELL & PLUNGER P/N 3070591; TORQ SPRING GAGE SETTING = .550"; SHIM AFC MAIN SPG P/N 179834 TO 1.320"; USE FUEL PUMP HOUSING P/N 3883547; REF USE .075" SHIMS ON GOV SPRING; MIN GOV CK PT @ 15 PSI = 2200 RPM; USE AFC BIAS SPRING 3071704; SHIM CRUISESPEED RAIL TO 90-100PSI @ 2100RPM PRESSURIZED GEAR PUMP REQUIRED;

1 Pump Code	X277-A	X278-A	X279-A	X280-A	X281-A	X282-B	
2 Date - Control Parts List	FEB90 - 1347	JUN92 - 1223	JUL92 - 1346	JUL92 - 1224	NOV89 - 0939	FEB91 - 1362	1
3 Test HP @ RPM	301 - 319 @ 1600	265 - 275 @ 2100	294 - 306 @ 2100	265 - 275 @ 1900	294 - 306 @ 2100	272 - 288 @ 1600	2
4 Governed Speed-RPM		2100	2100	1900		1800	3
5 Engine Fuel PSI	150 - 170	145 - 161	169 - 187	143 - 158	169 - 187	127 - 141	4
6 Fuel Rate Pound Per Hour	99 - 105	88 - 92	97 - 101	86 - 90	96 - 100	89 - 95	5
7 Intake Manifold Press. In./Hg	51 - 61	37 - 45	42 - 50	39 - 47	40 - 48	43 - 51	6
8 Torque Rise % - Curve	62 - NONE	41 - NONE	27 - NONE	15 - NONE	27 - NONE	29 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1300	- @ 1300	- @ 1300		- @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM		2130 - 2150	2130 - 2150	1930 - 1950	2130 - 2150	1815 - 1840	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM	- @ 2000						12
14 Max. Auto. Gov. Check-RPM @ PSI		2457 @ 15	2457 @ 15	2223 @ 15	2457 @ 15	2106 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI		2223 @ 15	2236 @ 15	2036 @ 15		1949 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph		110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr		28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.		300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	25 @ 175	153 @ 2100	178 @ 2100	150 @ 1900	178 @ 2100	134 @ 1600	24
26 Calibration Flow	135	375	406	370	406	365	25
27 Check Point (1) PSI @ RPM	130 - 160 @ 1200	129 - 135 @ 1300	128 - 134 @ 1300	110 - 116 @ 1300	128 - 134 @ 1300	108 - 114 @ 1200	26
28 Check Point (1) Flow	520	345	335	316	335	325	27
29 Check Point (2) PSI @ RPM	150 - 180 @ 2100						28
30 Check Point (2) Flow	650						29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring		.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.780 - 143854	32
34 Idle Plunger Code - Part No.		15 - 139894	15 - 139894	22 - 141630	15 - 139894	N15 - 139894	33
35 Fuel Pump Housing						3883549	34
36 Auto. Idle Spring		3018767	3018767	3018767	3018767	3063078	35
37 Auto. Gov. Spring - Ref. Shims		3053101 - .000	153235 - .000	153235 - .000	3004751 - .170		36
38 Gear Pump Size In.		.750	.750	.750	.750		37
39 Auto. Gov. Weights		146437	146437	146437	146437		38
40 Auto. Gov. Plunger		3040750	3040750	3040750	3040750	3063080	39
41 Torque Spring - Shims - Gage Height		3821491 - .025 - .630	3002057 - .040 -	138792 - .025 - .630	3002057 - .040 -	3052124 - .035 - .535	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly						3070591	46
48 AFC In./Hg - PSI		6 - 2.9	6 - 2.9	8 - 3.9	6 - 2.9		47
49 AFC RPM - PSI		1600 - 22	1600 - 22	1600 - 76	1600 - 22	1200 - 34	48
50 AFC Flow - pph		130	130	256	130	170	49
51 AFC Spring - Gage Height-In.		3000592 -	3000592 -	179822 -	3000592 -	179830 - .117	50
52 AFC Bias Spring						3051070	51
53 AFC No Air RPM - PSI		1600 - 68	1600 - 68	1600 - 69	1600 - 68	1200 - 36	52
54 AFC No Air Flow		239	239	239	239	177	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT.Pacer Assembly		3071374	3071374	3071374			59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1990 EPA	1989 CARB	1989 CARB	1989 CARB		1990 CARB	61
63 Certified Year/Agency	1990 CARB	1991 EPA	1991 EPA	1991 EPA			62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	L10	L10	L10	L10	L10-91STC-280	65
67 Notes		SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (2) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3068106; TOR SP GAGE SETTING = .630". MIN GOV CH PT @ 15 PSI = 2223'RPMS. PT-PACER FUEL PUMP; THIS CODE IS SUPERCEDED BY X443 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (3) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2236 RPM. USE FUEL PUMP HSG P/N 3068106; TOR SPRING GAGE SETTING = .640". PT-PACER PUMP; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. THIS CODE HAS BEEN SUPERCEDED BY X426 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (4) PRESSURIZED GEAR PUMP. MIN GOV CH PT @ 15 PSI = 2036 RPM. USE FUEL PUMP HSG P/N 3068106; TORQUE SHIM SETTING = .630". PT-PACER FUEL PUMP; THIS CODE IS SUPERCEDED BY X435 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (5) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2236 RPM. USE FUEL PUMP HOUSING P/N 3059633; TOR SPRING GAGE SETTING = .640". PACE FUEL PUMP WITH CLASSFIT AFC;
- (6) USAFC W/KEY HOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3051070; SHIM AFC MAIN SPG P/N 179830 TO 1.320"; TORQUE SPRING GAGE SETTING = .535"; USE 55 DEGREE GOVERNOR PLUNGER; MIN GOVERNOR CH PT @ 15 PSI = 1965 RPM'S; USE FUEL PUMP HOUSING P/N 3883549;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X283-B - X288-A

1 Pump Code	X283-B	X284-A	X285-A	X286-A	X287-A	X288-A	1
2 Date - Control Parts List	FEB91 - 1362	DEC90 - 1367	DEC90 - 1367	JUN92 - 1346	JUL92 - 1224	JUL92 - 1224	2
3 Test HP @ RPM	272 - 288 @ 1700	298 - 322 @ 1600	298 - 322 @ 1600	279 - 291 @ 2200	235 - 245 @ 2100	245 - 255 @ 2200	3
4 Governed Speed-RPM	1950			2200	2100	2200	4
5 Engine Fuel PSI	128 - 142	150 - 170	150 - 170	159 - 175	130 - 144	142 - 156	5
6 Fuel Rate Pound Per Hour	91 - 97	98 - 106	98 - 106	94 - 98	79 - 83	84 - 88	6
7 Intake Manifold Press. In./Hg	44 - 52	47 - 57	47 - 57	40 - 48	36 - 44	39 - 47	7
8 Torque Rise % - Curve	58 - NONE	31 - NONE	31 - NONE	40 - NONE	50 - NONE	51 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1200	140 - 160 @ 1200		- @ 1300	- @ 1300	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM				2230 - 2250	2130 - 2150	2230 - 2250	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	76 - 86 @ 2100						13
14 Max. Auto. Gov. Check-RPM @ PSI	2300 @ 15			2574 @ 15	2457 @ 15	2574 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2180 @ 15			2324 @ 15	2209 @ 15	2309 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - gph	110 -			110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -			28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700			300 @ 700	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	135 @ 1700	25 @ 175	25 @ 175	167 @ 2200	137 @ 2100	149 @ 2200	25
26 Calibration Flow	365	135	135	396	355	372	26
27 Check Point (1) PSI @ RPM	108 - 114 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	128 - 134 @ 1300	120 - 126 @ 1300	120 - 126 @ 1300	27
28 Check Point (1) Flow	325	520	520	345	335	337	28
29 Check Point (2) PSI @ RPM		150 - 180 @ 2100	150 - 180 @ 2100				29
30 Check Point (2) Flow		650	650				30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854			.775 - 143854	.775 - 143854	.775 - 143854	33
34 Idle Plunger Code - Part No.	015 - 139894			17 - 140417	5 - 141623	17 - 140417	34
35 Fuel Pump Housing	3883545			3068106	3068106	3068106	35
36 Auto. Idle Spring	3018767			3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004751 - .160			3001146 - .000	3053100 - .000	3051817 - .000	37
38 Gear Pump Size In.	.750			.750	.750	.750	38
39 Auto. Gov. Weights	146437			146437	163826	146437	39
40 Auto. Gov. Plunger	3070740			3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3052124 - .040 - .540			3035818 - .015 - .665	3053171 - .100 - .600	3821488 - .060 - .655	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3070591			3041494	3041494	3041494	47
48 AFC In./Hg - PSI				6 - 2.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1200 - 34			1600 - 22	1600 - 76	1600 - 76	49
50 AFC Flow - gph	166			130	256	256	50
51 AFC Spring - Gage Height-In.	179830 - .117			3000592 -	179822 -	179822 -	51
52 AFC Bias Spring	3051070						52
53 AFC No Air RPM - PSI	1200 - 36			1600 - 68	1600 - 68	1600 - 69	53
54 AFC No Air Flow	173			239	239	239	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly				3071374	3071374	3071374	60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1990 CARB	1990 CARB	1990 CARB	1990 CARB	1990 CARB	1990 CARB	62
63 Certified Year/Agency				1991 EPA	1991 EPA	1991 EPA	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10-91STC-280	343D	L10	L10 PT-PACER	L10 PT-PACER	L10 PT-PACER	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) DS AFC W/KEYHOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3051070; SHIM AFC MAIN SPG P/N 179830 TO 1.320"; SHIM CRUISE SPEED RAIL TO 76-86PSI @ 2100 RPMS REF, USE .160" SHIMS ON THE GOVERNOR SPRING; MIN GOVERNOR CH PT @ 15 PSI = 2200 RPM; USE FUEL PUMP HOUSING P/N 3883545; TORQUE SPRING GAGE SETTING = .540"; PRESSURIZED GEAR PUMP REQUIRED;
- (2) SELECT SUPPLY PUMP FOR PHASE 3 LINEHAUL
- (3) SELECT SUPPLY PUMP.
- (4) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CK PT SPEED @ 15 PSI = 2323 RPM. USE FUEL PUMP HOUSING P/N 3068106; TORQUE SPRING GAGE SETTING = .665"; PT-PACER REQUIRED; REQUIRES STELLITE FACED VALVES. RATINGS OF .285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. THIS CODE IS SUPERCEDED BY X444 FOR; THE LOBC CAMSHAFT AND TIMING CHAGNE;
- (5) MIN HIGH IDLE SPEED @ 15 PSI = 2209 RPM. PRESSURIZED GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3068106; TORQUE SPRING GAGE SETTING = .600; PT-PACER PUMP REQUIRED; THIS CODE IS SUPERCEDED BY X420 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (6) PRESSURIZED GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3060695; USE FUEL PUMP HOUSING P/N 3068106; TORQ SP LENGTH GAGE = .655". PT-PACER PUMP REQUIRED; THIS CODE IS SUPERCEDED BY X421 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;

1 Pump Code	X289-A	X290-A	X291-A	X292-B	X293-A	X294-A	
2 Date - Control Parts List	JUL92 - 1224	MAR91 - 1348	JUL90 - 1348	OCT92 - 0770	JUL92 - 1224	DEC90 - 1378	1
3 Test HP @ RPM	235 - 245 @ 1900	317 - 343 @ 1600	317 - 343 @ 1600	245 - 255 @ 2100	245 - 255 @ 2200	323 - 337 @ 2100	2
4 Governed Speed-RPM	1900	1800		2100	2200	2100	3
5 Engine Fuel PSI	127 - 139	150 - 180	150 - 180	138 - 152	147 - 163	162 - 179	4
6 Fuel Rate Pound Per Hour	77 - 81	103 - 111	103 - 111	84 - 88	84 - 88	107 - 111	5
7 Intake Manifold Press. In./Hg	34 - 42	50 - 60	50 - 60	37 - 45	39 - 47	43 - 51	6
8 Torque Rise % - Curve	30 - NONE	34 - NONE	59 - NONE	20 - NONE	51 - NONE	15 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300.	140 - 170 @ 1200	140 - 170 @ 1200	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950			2130 - 2150	2230 - 2250	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15			2457 @ 15	2574 @ 15	2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2021 @ 15			2214 @ 15	2309 @ 15	2236 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -			110 -	110 -	110 -	19
21 Throttle Travel-Auto. - VS, Lev	28, -			28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.				23 @ 700			21
23 Idle Speed cc @ RPM-Auto.	300 @ 700			300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	132 @ 1900	25 @ 175	25 @ 175	145 @ 2100	155 @ 2200	170 @ 2100	24
26 Calibration Flow	345	135	135	377	370	441	25
27 Check Point (1) PSI @ RPM	111 - 117 @ 1300	130 - 160 @ 1200	130 - 160 @ 1200	94 - 100 @ 1300	126 - 132 @ 1300	109 - 115 @ 1300	26
28 Check Point (1) Flow	318	520	520	300	335	350	27
29 Check Point (2) PSI @ RPM		150 - 180 @ 2100	150 - 180 @ 2100				28
30 Check Point (2) Flow		650	650				29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854			.780 - 143854	.780 - 143854	.780 - 143854	32
34 Idle Plunger Code - Part No.	22 - 141630			32 - 141634	17 - 140417	25 - 141631	33
35 Fuel Pump Housing	3068106			3060695	3059636	3068106	34
36 Auto. Idle Spring	3018767			3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3053106 - .000			3000940 - .120	3051817 - .070	153238 - .145	36
38 Gear Pump Size In.	.750			.750	.750	.750	37
39 Auto. Gov. Weights	146437			146437	146437	146437	38
40 Auto. Gov. Plunger	3040750			3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	139586 - .000 - .650			3002053 - .020 - .620	3821488 - .060 - .660	138783 - .030 - .670	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3041494			3031298	3041494	3041494	46
48 AFC In./Hg - PSI	8 - 3.9			8 - 3.9	8 - 3.9	8 - 3.9	47
49 AFC RPM - PSI	1600 - 76			1600 - 99	1600 - 76	1600 - 43	48
50 AFC Flow - pph	256			295	256	194	49
51 AFC Spring - Gage Height-In.	179822 -			179824 -	179822 -	179834 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 68			1600 - 71	1600 - 69	1600 - 75	52
54 AFC No Air Flow	238			240	239	239	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly	3071374					3071374	59
61 Fuel Line Check Valve					FS 2001		60
62 Certified Year/Agency	1990 CARB	1990 CARB	1990 CARB		1990 CARB	1990 AUST	61
63 Certified Year/Agency	1991 EPA				1991 EPA		62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10 PT-PACER	L10-E	L10-E	LTA10	LTA10	LTA10 PT-PACER	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3068106; TOR SPRING GAGE SETTING = .650". PT-PACER PUMP REQUIRED; THIS CODE IS SUPERCEDED BY X430 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (2) 330E LINEHAUL RATING FOR PHASE 3;
- (3) 330E VOCATIONAL RATING FOR PHASE 3;
- (4) PRESSURIZED GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3060695; MIN GOV CHECK POINT @ 15 PSI = 2457 RPMs;
- (5) PRESSURIZED GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3059636; MIN GOV CK PT @ 15 PSI = 2309 RPM. TORQUE SPRING GAGE SETTING = .660"; THIS CODE IS SUPERCEDED BY X422 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (6) PRESS GEAR PUMP REQUIRED MIN GOV SPEED @ 15 PSI CH PT = 2236 RPM. USE FUEL PUMP HOUSING P/N 3068106; TORQUE SPRING GAGE SETTING = .670";

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X295-A - X300-A

1 Pump Code	X295-A	X296-B	X297-B	X298-A	X299-A	X300-A
2 Date - Control Parts List	FEB91 - 1373	FEB91 - 1373	JUL90 - 1378	MAY92 - 0836	MAY90 - 0836	DEC90 - 0836
3 Test HP @ RPM	255 - 265 @ 1600	255 - 265 @ 1700	323 - 337 @ 2100	245 - 255 @ 2100	294 - 306 @ 1900	294 - 306 @ 2100
4 Governed Speed-RPM	1800	1950		2100		2100
5 Engine Fuel PSI	107 - 119	107 - 119	167 - 184	126 - 140	168 - 186	169 - 187
6 Fuel Rate Pound Per Hour	83 - 88	86 - 88	108 - 112	81 - 85	95 - 99	97 - 101
7 Intake Manifold Press. In./Hg	39 - 43	37 - 45	45 - 49	30 - 38	34 - 42	36 - 44
8 Torque Rise % - Curve	29 - NONE	57 - NONE	15 -	37 - NONE	14 - NONE	26 - NONE
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1200	- @ 1300	- @ 1300		- @ 1300
10 Cranking Fuel Press.-PSI @ RPM						
11 Auto. Gov. Setting-RPM	1815 - 1840		2130 - 2150	2130 - 2150	1930 - 1950	2130 - 2150
12 VS/Sec. Gov. Setting-RPM						
13 Cruise Speed-PSI @ RPM		63 - 73 @ 2100				
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2300 @ 15	2457 @ 15	2457 @ 15	2223 @ 15	2457 @ 15
15 Min. Auto. Gov. Check-RPM @ PSI	1955 @ 15	2145 @ 15	2250 @ 15			
16 RS Gov. Setting-PSI @ RPM						
17 Low RS Gov. Setting-RPM						
18 Max. VS/Sec. Gov. Check-RPM @ PSI						
19 Min. VS/Sec. Gov. Check-RPM @ PSI						
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -
22 Idle Speed PSI @ RPM-Auto.						
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700
24 VS/Sec. Gov. Idle PSI @ RPM - cc						
25 Calibration PSI @ RPM	113 @ 1600	113 @ 1700	176 @ 2100	133 @ 2100	171 @ 1900	175 @ 2100
26 Calibration Flow	340	342	450	358	394	400
27 Check Point (1) PSI @ RPM	91 - 97 @ 1200	93 - 99 @ 1200	114 - 120 @ 1300	112 - 118 @ 1300	131 - 137 @ 1300	134 - 140 @ 1300
28 Check Point (1) Flow	310	315	358	332	341	346
29 Check Point (2) PSI @ RPM						
30 Check Point (2) Flow						
31 Check Point (3) PSI @ RPM						
32 Check Point (3) Flow						
33 Weight Assist Setting - Spring	.780 - 143854	.760 - 143854	- 143854	.775 - 143854	.800 - 143854	.800 - 143854
34 Idle Plunger Code - Part No.	N22 - 141630	20 - 141629	27 - 141632	17 - 141629	17 - 140417	15 - 139894
35 Fuel Pump Housing	3883549	3883545	3060695			
36 Auto. Idle Spring	3063078	3018767	3018767	3018767	3018767	3018767
37 Auto. Gov. Spring - Ref. Shims	3004751 - .130	143255 - .065	143253 - .130	3053101 - .000	143254 - .000	3001146 - .000
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437
40 Auto. Gov. Plunger	3063080	3070740	3040750	3040750	3040760	3040760
41 Torque Spring - Shims - Gage Height	3052124 - .035 - .535	3052123 - .050 - .550	142870 - .000 - .695	3821491 - .020 -	139587 - .040 -	3002050 - .010 -
42 VS Gov. Max. Spring - Ref. Shims						
43 VS Gov. Idle Spring						
44 VS Gov. Weights						
45 VS Gov. Plunger						
46 VS Gov. Sleeve						
47 AFC Barrel & Plunger Assembly	3070591	3070591	3031298			
48 AFC In./Hg - PSI			8 - 3.9	6 - 2.9	8 - 3.9	8 - 3.9
49 AFC RPM - PSI	1200 - 30	1200 - 30	1600 - 43	1600 - 31	1600 - 43	1600 - 43
50 AFC Flow - pph	157	158	194	153	194	194
51 AFC Spring - Gage Height-In.	179826 - .117	179826 - .117	179834 -	179826 -	179834 -	179834 -
52 AFC Bias Spring	3051070	3051070				
53 AFC No Air RPM - PSI	1200 - 33	1200 - 33	1600 - 75	1600 - 70	1600 - 70	1600 - 70
54 AFC No Air Flow	167	167	239	250	250	250
55 ASA Valve						
56 TMD Set with ST589 - Shims						
57 TMD Spring						
58 TMD Plunger						
59 EFC Assembly						
60 PT Pacer Assembly				3071374	3071374	3071374
61 Fuel Line Check Valve						
62 Certified Year/Agency	1990 CARB	1990 CARB	1990 AUST	1990 AUST	1990 AUST	1990 AUST
63 Certified Year/Agency						
64 Certified Year/Agency						
65 Certified Year/Agency						
66 Engine Model	L10-91STC-260	L10-91STC-260	L-10	L10 PT-PACER	L10 PT-PACER	L10 PT-PACER
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)

NOTES

- (1) DSAFC W/KEY HOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3051070; SHIM AFC MAIN SPRING P/N 179826 TO 1.320"; TORQUE SPRING GAGE SETTING = .535"; USE 55 DEGREE GOVERNOR PLUNGER; MIN GOVERNOR CH PT @ 15 PSI = 1955 RPMS; USE FUEL PUMP HOUSING P/N 3883549;
- (2) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3051070; SHIM AFC MAIN SPRING P/N 179826 TO 1.320"; SHIM CRUISESPEED RAIL TO 63-73PSI @ 2100RPMs REF. USE .065" SHIMS ON THE GOVERNOR SPRING; MIN GOVERNOR CH PT @ 15 PSI = 2145 RPMS; USE FUEL PUMP HOUSING P/N 3883545; TORQUE SPRING GAGE SETTING = .550"; PRESSURIZED GEAR PUMP REQUIRED;
- (3) PRESSURIZED GEAR PUMP REQUIRED; TORQUE SPRING SETTING .695; USE FUEL PUMP HOUSING P/N 3060695; MIN GOV. SPEED @ 15PSI CK.PT.=2250 RPM;
- (4) PRESSURIZED GEAR PUMP REQUIRED; MIN GOV CHECK POINT @ 15 PSI = 2214 RPM'S; TORQUE SPRING GAGE SETTING = .620"; USE FUEL PUMP HOUSING P/N 3068106; FOR AUSTRALIA USE ONLY; PT-PACER PUMP REQUIRED;
- (5) PRESS GEAR PUMP REQUIRED MIN GOV SPEED @ 15 PSI CH PT = 2051 RPM. USE FUEL PUMP HOUSING P/N 3068106; PT-PACER PUMP REQUIRED.
- (6) MIN GOV SPEED @ 15 PSI CH PT = 2236 RPM. PRESSURIZED GEAR PUMP REQUIRED; PT-PACER PUMP REQUIRED; USE FUEL PUMP HOUSING P/N 3068106;

1 Pump Code	X301-A	X302-A	X303-A	X304-A	X305-A	X306-A	1
2 Date - Control Parts List	FEB91 - 1349	FEB91 - 1362	APR91 - 1348	APR91 - 1348	MAR91 - 1367	MAR91 - 1367	2
3 Test HP @ RPM	291 - 309 @ 1700	272 - 288 @ 1600	317 - 343 @ 1600	317 - 343 @ 1600	298 - 322 @ 1600	298 - 322 @ 1600	3
4 Governed Speed-RPM	1950	1800	1800	2000	1800	2000	4
5 Engine Fuel PSI	141 - 155	127 - 141	150 - 180	150 - 180	150 - 180	150 - 180	5
6 Fuel Rate Pound Per Hour	96 - 102	89 - 95	104 - 113	104 - 113	98 - 106	98 - 106	6
7 Intake Manifold Press. In./Hg	46 - 56	43 - 51	48 - 58	48 - 58	47 - 57	47 - 57	7
8 Torque Rise % - Curve	58 - NONE	29 - NONE	34 - NONE	59 - NONE	31 - NONE	31 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	140 - 160 @ 1200	140 - 170 @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM		1815 - 1840					11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	90 - 100 @ 2100						13
14 Max. Auto. Gov. Check-RPM @ PSI	2300 @ 15	2106 @ 15					14
15 Min. Auto. Gov. Check-RPM @ PSI	2200 @ 15	1949 @ 15					15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -					20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -					21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700					23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	147 @ 1700	134 @ 1600	25 @ 175	25 @ 175	25 @ 175	25 @ 175	25
26 Calibration Flow	385	365	135	135	135	135	26
27 Check Point (1) PSI @ RPM	123 - 129 @ 1200	108 - 114 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	27
28 Check Point (1) Flow	355	325	520	520	520	520	28
29 Check Point (2) PSI @ RPM			150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	29
30 Check Point (2) Flow			650	650	650	650	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.760 - 143855	.780 - 143854					33
34 Idle Plunger Code - Part No.	N07 - 141624	N10 - 141625					34
35 Fuel Pump Housing	3883545	3883549					35
36 Auto. Idle Spring	3018767	3063078					36
37 Auto. Gov. Spring - Ref. Shims	3004751 - .130	3004751 - .150					37
38 Gear Pump Size In.	.750	.750					38
39 Auto. Gov. Weights	146437	146437					39
40 Auto. Gov. Plunger	3070740	3063080					40
41 Torque Spring - Shims - Gage Height	3052124 - .050 - .550	3052124 - .035 - .535					41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3070591	3070591					47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1200 - 31	1200 - 34					49
50 AFC Flow - pph	170	170					50
51 AFC Spring - Gage Height-In.	179834 - .117	179830 - .117					51
52 AFC Bias Spring	3071704	3051070					52
53 AFC No Air RPM - PSI	1200 - 33	1200 - 36					53
54 AFC No Air Flow	178	177					54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly		3071374					60
61 Fuel Line Check Valve	FS 2005						61
62 Certified Year/Agency	1990 CARB	1990 CARB	1990 CARB	1990 CARB	1990 CARB	1990 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10-91STC-300	L10-91STC-280	L10-330E	L10-330E	L10-310E	L10-310E	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; USE A 3071704 AFC BIAS SPRING; SHIM AFC MAIN SPG P/N 179834 TO 1.320"; SHIM CRUISESPEED RAIL 90-100 PSI @ 2100 RPM'S; REF. USE .075" SHIMS ON THE GOVERNOR SPRING; MIN GOVERNOR CH PT @ 15 PSI = 2200 RPM; USE FUEL PUMP HOUSING P/N 3883545; TORQUE SPRING GAGE SETTING = .550"; PRESSURIZED GEAR PUMP REQUIRED; DRAINLINE CHECK VALVE REQUIRED;
- (2) DSAFC W/KEY HOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3051070; SHIM AFC MAIN SPG P/N 179830 TO 1.320"; TORQUE SPRING GAGE SETTING = .535"; USE 55 DEGREE GOVERNOR PLUNGER; MIN GOVERNOR CH POINT @ 15 PSI = 1949 RPM'S; USE FUEL PUMP HOUSING P/N 3883551; PT-PACER PUMP REQUIRED.
- (3) 330E LINEHAUL RATING FOR PHASE 3;
- (4) 330E VOCATIONAL RATING FOR PHASE 3;
- (5) SELECT SUPPLY PUMP FOR PHASE 3 LINEHAUL
- (6) SELECT SUPPLY PUMP.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X309-A - X314-B

1 Pump Code	X309-A	X310-A	X311-A	X312-A	X313-A	X314-B	
2 Date - Control Parts List	MAY91 - 1427	AUG91 - 1428	APR91 - 1428	JAN92 - 0894	JUL92 - 1224	SEP92 - 1441	1
3 Test HP @ RPM	342 - 378 @ 1600	317 - 343 @ 1600	317 - 343 @ 1600	304 - 316 @ 2100	235 - 245 @ 1900	235 - 245 @ 2100	2
4 Governed Speed-RPM	1800	1800	2000		1900	2100	3
5 Engine Fuel PSI	150 - 180	150 - 180	150 - 180	143 - 159	135 - 149	134 - 148	4
6 Fuel Rate Pound Per Hour	114 - 124	104 - 113	104 - 113	101 - 106	77 - 81	81 - 85	5
7 Intake Manifold Press. In./Hg	52 - 62	48 - 53	48 - 58	45 - 55	34 - 42	40 - 48	6
8 Torque Rise % - Curve	34 - NONE	34 - NONE	59 - NONE	26 - NONE	30 - NONE	25 - NONE	7
9 Torque Peak - PSI @ RPM	140 - 170 @ 1200	- @ 1200	140 - 170 @ 1200	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM				2130 - 2150	1930 - 1950	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2457 @ 15		2457 @ 15	2223 @ 15	2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI		2240 @ 15		2240 @ 15	2021 @ 15	2209 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph		110 -		110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev				28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.				300 @ 725	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	25 @ 175	25 @ 175	25 @ 175	151 @ 2100	142 @ 1900	141 @ 2100	24
26 Calibration Flow	135	135	135	465	345	361	25
27 Check Point (1) PSI @ RPM	130 - 160 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	104 - 110 @ 1300	119 - 125 @ 1300	93 - 99 @ 1300	26
28 Check Point (1) Flow	520	520	520	385	315	292	27
29 Check Point (2) PSI @ RPM	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100				28
30 Check Point (2) Flow	650	650	650				29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring				.775 - 143854	.775 - 143854	.775 - 143854	32
34 Idle Plunger Code - Part No.		00 -		30 - 141633	22 - 141630	37 - 140418	33
35 Fuel Pump Housing		3059636		3059636	3059636	3060695	34
36 Auto. Idle Spring				3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims				143254 - .170	3053106 - .065	143253 - .000	36
38 Gear Pump Size In.				.750	.750	.750	37
39 Auto. Gov. Weights				146437	146437	146437	38
40 Auto. Gov. Plunger				3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height				139584 - .050 - .700	3002047 - .000 - .650	139584 - .020 - .670	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly		3031298		3041494	3041494	3031297	46
48 AFC In./Hg - PSI				6 - 2.9	6 - 3.9	6 - 2.9	47
49 AFC RPM - PSI				1600 - 29	1600 - 76	1600 - 36	48
50 AFC Flow - pph				178	256	174	49
51 AFC Spring - Gage Height-In.		179826 -		179826 -	179822 -	179828 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI				1600 - 58	1600 - 68	1600 - 61	52
54 AFC No Air Flow				273	238	221	53
55 ASA Valve						3074123	54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve		FS 2001		FS 2001	FS 2001		60
62 Certified Year/Agency		1990 AUST	1990 AUST		1990 CARB	1991 EPA	61
63 Certified Year/Agency					1991 EPA		62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10-360E	L10-330E	L10-330E	LTA10-C	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) 360E LINEHAUL RATING FOR 94L10 CV BUILD;
- (2) 330E LINEHAUL RATING FOR PHASE 3; FOR USE BY AUSTRALIA ONLY;
- (3) 330E VOCATIONAL RATING FOR PHASE 3; FOR USE IN AUSTRALIA ONLY;
- (4) PRESS GEAR PUMP REQUIRED. MIN GOV CK POINT @ 15 PSI = 2241 RPMs; USE FUEL PUMP HOUSING P/N 3059636; TORQUE SPRING GAGE SETTING = .700";
- (5) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3059636; TOR SPRING GAGE SETTING = .650". MIN. GOVERNOR CK PT @ 15 PSI = 2223 RPMs; CLASSFIT AFC REQUIRED; REF; USE .060" SHIMS ON THE GOVERNOR SPRING; THIS CODE IS SUPERCEDED BY X415 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (6) PRESS GEAR PUMP REQUIRED. MIN GOV CK PT @ 15 PSI = 2209 RPMs. TOR SHIM GAGE SETTING = .670". USE FUEL PUMP HOUSING P/N 3060695. USE .030" ASA P/N 3074123. USE VENTED AFC PLUNGER P/N 3020739. COMPLIES TO N AMERICAN BUS REGULATIONS.

1 Pump Code	X315-B	X316-A	X318-A	X319-D	X320-D	X321-C	
2 Date - Control Parts List	SEP92 - 1441	SEP92 - 1442	SEP92 - 1225	SEP92 - 1446	SEP92 - 1446	SEP92 - 1446	1
3 Test HP @ RPM	265 - 275 @ 2100	343 - 357 @ 2100	279 - 291 @ 2200	295 - 319 @ 1600	285 - 309 @ 1700	295 - 319 @ 1600	2
4 Governed Speed-RPM	2100	2100	2200	1800	1950	1800	3
5 Engine Fuel PSI	156 - 172	213 - 235	177 - 195	117 - 129	113 - 125	119 - 133	4
6 Fuel Rate Pound Per Hour	91 - 94	112 - 116	96 - 100	97 - 105	97 - 105	97 - 105	5
7 Intake Manifold Press. In./Hg	45 - 55	47 - 57	47 - 57	46 - 56	45 - 55	45 - 55	6
8 Torque Rise % - Curve	27 - NONE	9 - NONE	50 - NONE	27 -	58 - NONE	27 -	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1200	- @ 1200	- @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2230 - 2250				10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM				92 - 105 @ 1900	107 - 113 @ 1950	92 - 106 @ 1900	12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2574 @ 15	2130 @ 15	2250 @ 15	2126 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2259 @ 15	2324 @ 15	2010 @ 15	2150 @ 15	1976 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 710	300 @ 713	305 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	164 @ 2100	224 @ 2100	154 @ 1300	126 @ 1600	119 @ 1700	127 @ 1600	24
26 Calibration Flow	391	457	360	447	435	447	25
27 Check Point (1) PSI @ RPM	114 - 120 @ 1300	128 - 134 @ 1300	184 - 188 @ 2200	98 - 104 @ 1200	97 - 103 @ 1200	99 - 105 @ 1200	26
28 Check Point (1) Flow	322	340	400	397	397	397	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	32
34 Idle Plunger Code - Part No.	27 - 141632	12 - 141626	7 - 141624	17 - 140417	17 - 140417	15 - 139894	33
35 Fuel Pump Housing	3060695	3060695	3060695	3059632	3883545	3068109	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	3000936 - .000	153237 - .000	3004750 - .060	3004751 - .190	3004750 - .060	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040760	3070740	3040760	39
41 Torque Spring - Shims - Gage Height	139566 - .020 - .670	138791 - .020 - .620	3002050 - .010 - .660	3053169 - .055 - .555	3051813 - .065 - .565	3053169 - .055 - .555	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3031297		3031297	3070591	3070591	3070591	46
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9				47
49 AFC RPM - PSI	1600 - 36	1600 - 22	1600 - 29	1200 - 19	1200 - 19	1200 - 19	48
50 AFC Flow - pph	174	130	155	162	162	162	49
51 AFC Spring - Gage Height-In.	179828 -	3000592 -	3007696 -	179830 - .117	179830 - .117	179830 - .117	50
52 AFC Bias Spring				3071704	3071704	3071704	51
53 AFC No Air RPM - PSI	1600 - 56	1600 - 68	1600 - 70	1200 - 22	1200 - 22	1200 - 22	52
54 AFC No Air Flow	210	239	240	176	176	176	53
55 ASA Valve	3074123		3020760				54
56 TMD Set with ST589 - Shims			.020 - .160				55
57 TMD Spring			109687				56
58 TMD Plunger							57
59 EFC Assembly						3066447	58
60 PT Pacer Assembly						3071374	59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1991 EPA	1991 EPA	1991 EPA	1991 CARB	1991 CARB	1991 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	L10	L10	91STC-L10-310	91STC-L10-300	91STC-L10-310	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)				66

NOTES

- (1) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3060695; TOR SHIM GAGE SETTING = .670". MIN GOV CH PT @ 15 PSI = 2223 RPM. USE .030" ASA P/N 3074123. USE VENTED AFC PLUNGER P/N 3020739. COMPLIES TO N AMERICAN BUS REGULATIONS.
- (2) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT. @ 15 PSI = 2259 RPM. USE FUEL PUMP HSG P/N 3043254. TOR SPRING GAGE SETTING = .620". RESTRICTED TO FIRETRUCK APPLICATION ONLY. REQUIRES STELLITE VALVES, RATINGS OF 285 OR ABOVE WHICH WERE CPL 1223 HAVE BEEN SUPERCEDED BY CPL 1346 AND NOW CPL 1442.
- (3) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2324 RPM. USE FUEL PUMP HSG P/N 3060695. USE TMD PLUNGER #204 P/N 3003150 AND TMD SPRING P/N 109687, ST 589 SETTING @ .020 (TMD SHIMS = .160"). .025" ASA REQUIRED P/N 3020760. VENTED AFC PLUNGER REQUIRED P/N 3020739. TOR SPRING GAGE SETTING = .660". REQUIRES AN CEEMAT INTERRUPTER VALVE FS2010;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X322-D - X327-D

1 Pump Code	X322-D	X323-C	X324-G	X325-C	X326-G	X327-D	
2 Date - Control Parts List	SEP92 - 1446	SEP92 - 1447	SEP92 - 1447	SEP92 - 1448	SEP92 - 1448	JAN92 - 1446	2
3 Test HP @ RPM	285 - 309 @ 1700	272 - 288 @ 1600	272 - 288 @ 1700	252 - 268 @ 1600	252 - 268 @ 1700	285 - 309 @ 1700	3
4 Governed Speed-RPM	1950	1800	1950	1800	1950	1950	4
5 Engine Fuel PSI	113 - 125	102 - 112	105 - 116	111 - 123	110 - 122	123 - 136	5
6 Fuel Rate Pound Per Hour	97 - 105	91 - 97	93 - 99	84 - 89	86 - 92	95 - 103	6
7 Intake Manifold Press. In./Hg	45 - 55	42 - 50	41 - 49	37 - 45	37 - 45	44 - 52	7
8 Torque Rise % - Curve	58 - NONE	29 - NONE	58 - NONE	29 - NONE	57 - NONE	58 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1200	- @ 1200	- @ 1200	- @ 1200	- @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	107 - 113 @ 1950	74 - 90 @ 1900	99 - 105 @ 1950	84 - 102 @ 1900	102 - 108 @ 1950	117 - 123 @ 1950	13
14 Max. Auto. Gov. Check-RPM @ PSI	2250 @ 15	2106 @ 15	2250 @ 15	2106 @ 15	2250 @ 15	2250 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2150 @ 15	1950 @ 15	2150 @ 15	1955 @ 15	2150 @ 15	2150 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 713	305 @ 700	305 @ 700	305 @ 700	300 @ 710	305 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	119 @ 1700	107 @ 1600	110 @ 1700	117 @ 1600	116 @ 1700	130 @ 1700	25
26 Calibration Flow	435	397	402	360	360	443	26
27 Check Point (1) PSI @ RPM	97 - 103 @ 1200	85 - 91 @ 1200	85 - 91 @ 1200	93 - 99 @ 1200	93 - 99 @ 1200	106 - 112 @ 1200	27
28 Check Point (1) Flow	397	355	355	318	325	397	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	33
34 Idle Plunger Code - Part No.	15 - 139894	27 - 141632	27 - 141632	25 - 141631	20 - 141629	17 - 140417	34
35 Fuel Pump Housing	3883547	3059632	3883545	3059632	3883545	3883545	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004751 - .190	3036897 - .180	3004750 - .070	3004750 - .060	143255 - .080	3004751 - .190	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3070740	3040750	3070740	3040750	3070740	3070740	40
41 Torque Spring - Shims - Gage Height	3051813 - .065 - .565	3053167 - .070 - .570	3053171 - .062 - .562	3053167 - .060 - .560	3053174 - .043 - .543	3051813 - .065 - .565	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3070591	3070591	3070591	3070591	3070591	3070591	47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1200 - 19	1200 - 19	1200 - 19	1200 - 23	1200 - 23	1200 - 24	49
50 AFC Flow - pph	162	162	162	142	142	162	50
51 AFC Spring - Gage Height-In.	179830 - .117	179824 - .117	179824 - .117	179822 - .117	179822 - .117	179830 - .117	51
52 AFC Bias Spring	3071704	3071950	3071950	3071949	3071949	3071704	52
53 AFC No Air RPM - PSI	1200 - 22	1200 - 22	1200 - 22	1200 - 26	1200 - 26	1200 - 27	53
54 AFC No Air Flow	176	176	176	153	153	176	54
55 ASA Valve							55
56 TMD Set with ST569 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly	3066447						59
60 PT Pacer Assembly	3071374						60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1991 CARB	1991 CARB	1991 CARB	1991 CARB	1991 CARB	1991 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	91STC-L10-300	91STC-L10-280	91STC-L10-280	91STC-L10-260	91STC L10-260	91STC-L10-300	66
67 Notes						SEE NOTE (6)	67

NOTES

(6) DS AFC W/KEYHOLE EDM BARREL P/N 3070591; USE A 3071704 AFC BIAS SPRING; SHIM AFC MAIN SPG P/N 179830 TO 1.320"; SHIM CRUISERAIL TO 117-123 PSI @ 1950 RPM; REF. USE .190" SHIMS ON THE GOVERNOR SPRING; MIN GOVERNOR CH PT @ 15 PSI = 2150 RPMs; CEEMAT VALVE REQUIRED. TORQUE SPRING GAGE SETTING = .565"; PRESSURIZED GEAR PUMP REQUIRE;

1 Pump Code	X328-D	X329-B	X330-A	X331-A	X332-A	X333-A	
2 Date - Control Parts List	SEP92 - 1447	MAR92 - 1449	SEP92 - 1450	SEP91 - 1349	NOV90 - 0773	FEB91 - 1373	1
3 Test HP @ RPM	272 - 288 @ 1600	285 - 309 @ 1700	272 - 288 @ 1700	301 - 319 @ 1600	284 - 296 @ 2100	255 - 265 @ 1600	2
4 Governed Speed-RPM	1800	1950	1950	1800	2100	1800	3
5 Engine Fuel PSI	102 - 112	116 - 129	105 - 116	145 - 160	160 - 176	107 - 119	4
6 Fuel Rate Pound Per Hour	91 - 97	95 - 103	93 - 99	98 - 104	95 - 99	83 - 88	5
7 Intake Manifold Press. In./Hg	42 - 50	44 - 52	41 - 49	47 - 57	39 - 47	39 - 43	6
8 Torque Rise % - Curve	29 - NONE	58 - NONE	58 - NONE	27 -	18 - NONE	29 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1200	- @ 1200	- @ 1200	- @ 1300	- @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM				1815 - 1840	2130 - 2150	1815 - 1840	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM	74 - 90 @ 1900	110 - 116 @ 1950	99 - 105 @ 1950				12
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2250 @ 15	2250 @ 15	2106 @ 15	2457 @ 15	2106 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	1950 @ 15	2150 @ 15	2150 @ 15	1965 @ 15	2241 @ 15	1955 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	305 @ 700	300 @ 713	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	107 @ 1600	123 @ 1700	110 @ 1700	152 @ 1600	168 @ 2100	113 @ 1600	24
26 Calibration Flow	397	443	402	400	399	340	25
27 Check Point (1) PSI @ RPM	85 - 91 @ 1200	99 - 105 @ 1200	85 - 91 @ 1200	126 - 132 @ 1200	108 - 114 @ 1300	91 - 97 @ 1200	26
28 Check Point (1) Flow	355	397	355	365	318	310	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854	.790 - 143854	.770 - 143855	.775 - 143854	.780 - 143854	32
34 Idle Plunger Code - Part No.	25 - 141631	17 - 140417	027 - 141632	N10 - 141625	30 - 141633	17 - 140417	33
35 Fuel Pump Housing	3068109	3883545	3883545	3883549	3060695	3883551	34
36 Auto. Idle Spring	3018767	3018767	3018767	3063078	3018767	3063078	35
37 Auto. Gov. Spring - Ref. Shims	3036895 - .180	3004751 - .190	3004750 - .160	3004751 - .130	153238 - .140	3004751 - .130	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3070740	3070740	3063080	3040750	3063080	39
41 Torque Spring - Shims - Gage Height	3053167 - .070 - .570	3051813 - .065 - .565	3053171 - .053 - .540	3052124 - .035 - .535	142870 - .000 -	3052124 - .035 - .535	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3070591	3070591	3070591	3070591	3031298	3070591	46
48 AFC in./Hg - PSI					10 - 4.9		47
49 AFC RPM - PSI	1200 - 19	1200 - 19	1200 - 19	1200 - 37	1600 - 69	1200 - 30	48
50 AFC Flow - pph	162	162	162	170	230	157	49
51 AFC Spring - Gage Height-In.	179824 - .117	179830 - .117	179824 - .117	179834 - .117	179828 -	179826 - .117	50
52 AFC Bias Spring	3071950	3071704	3071950	3071704		3051070	51
53 AFC No Air RPM - PSI	1200 - 22	1200 - 22	1200 - 22	1200 - 39	1600 - 72	1200 - 33	52
54 AFC No Air Flow	176	176	176	178	245	167	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly	3066447						58
60 PT Pacer Assembly	3071374					3071374	59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1991 CARB	1991 AUST	1991 AUST	1990 CARB		1990 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	91STC-L10-280	L10-91STC-300	L10-91STC-280	91STC-L10-310	L10	L10-91STC-260	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) DSAFC W/KEY HOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3071950; SHIM AFC MAIN SPRING P/N 179824 TO 1.320"; TORQUE SPRING GAGE SETTING = .570"; REF, AUTO GOVERNOR SHIM = .180"; MIN GOVERNOR CH PT @ 15 PSI = 1950 RPM'S; USE FUEL PUMP HOUSING P/N 3068109; SHIM CRUISERAIL SETTING TO 74-90 @ 1900 RPM'S;
- (2) SHIM AFC MAIN SPG P/N 179830 TO 1.320"
- (3) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3071950; SHIM AFC MAIN SPG P/N 179824 TO 1.320"; SHIM CRUISERAIL TO 99-105 PSI @ 1950; REF, USE .070" SHIMS ON THE GOV SPRING; MIN GOV CH TP @ 15 PSI = 2150 RPM; USE FUEL PUMP HOUSING P/N 3883545; TORQUE SPRING GAGE SETTING = .553"; PRESSURIZED GEAR PUMP REQUIRED; FOR AUSTRALIAN USE ONLY;
- (4) DSAFC W/KEY HOLE EDM BARREL P/N 3070591; USE A 3071704 AFC BIAS SPRING; SHIM AFC MAIN SPG P/N 179834 TO 1.320"; TORQUE SPRING GAGE SETTING = .535"; USE 55 DEGREE GOVERNOR PLUNGER; MIN GOVERNOR CH PT @ 15 PSI = 1965 RPM'S; USE FUEL PUMP HOUSING P/N 3883549; REQUIRES AN CEEMAT INTERRUPTER VALVE FS2010;
- (5) MIN GOV CH PT @ 15 PSI = 2241 RPM. PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3060697.
- (6) DSAFC W/KEY HOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3051070; SHIM AFC MAIN SPRING P/N 179826 TO 1.320"; TORQUE SPRING GAGE SETTING = .535"; USE 55 DEGREE GOVERNOR PLUNGER; MIN GOVERNOR CH PT @ 15 PSI = 1955 RPM'S; USE FUEL PUMP HOUSING P/N 3883551;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X334-A - X339-A

1 Pump Code	X334-A	X335-A	X336-A	X337-C	X338-D	X339-A	1
2 Date - Control Parts List	JAN91 - 1226	MAY91 - 1226	FEB91 - 1362	SEP92 - 1447	SEP92 - 1448	JAN92 - 0776	2
3 Test HP @ RPM	235 - 245 @ 2100	265 - 275 @ 2100	272 - 288 @ 1700	272 - 288 @ 1700	252 - 268 @ 1600	245 - 255 @ 2100	3
4 Governed Speed-RPM			1950	1950	1800		4
5 Engine Fuel PSI	134 - 148	156 - 172	128 - 142	105 - 116	111 - 123	137 - 151	5
6 Fuel Rate Pound Per Hour	81 - 85	91 - 94	91 - 97	93 - 99	84 - 89	85 - 88	6
7 Intake Manifold Press. In./Hg	40 - 48	45 - 55	44 - 52	41 - 49	37 - 45	38 - 46	7
8 Torque Rise % - Curve	25 - NONE	27 - NONE	58 - NONE	58 - NONE	29 - NONE	20 - NONE	8
9 Torque Peak - PSI @ RPM			- @ 1200	- @ 1200	- @ 1200	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150				2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM			76 - 88 @ 2100	99 - 105 @ 1950	84 - 102 @ 1900		13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2300 @ 15	2250 @ 15	2186 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI			2180 @ 15	2150 @ 15	1955 @ 15	2214 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	305 @ 700	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	141 @ 2100	164 @ 2100	135 @ 1700	110 @ 1700	117 @ 1600	144 @ 2100	25
26 Calibration Flow	361	391	365	402	360	363	26
27 Check Point (1) PSI @ RPM	93 - 99 @ 1300	114 - 120 @ 1300	108 - 114 @ 1200	85 - 91 @ 1200	93 - 99 @ 1200	95 - 101 @ 1300	27
28 Check Point (1) Flow	292	322	325	355	318	288	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.800 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	33
34 Idle Plunger Code - Part No.	37 - 140418	27 - 141632	010 - 141625	25 - 141631	22 - 141630	32 - 141634	34
35 Fuel Pump Housing			3883547	3883547	3068109	3059646	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	143253 - .000	3004751 - .160	3004750 - .079	3004750 - .060	153235 - .180	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3070740	3070740	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	139584 - .020 -	139586 - .020 -	3052124 - .040 - .540	3053171 - .062 - .562	3053167 - .060 - .560	139584 - .035 - .685	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly			3070591	3070591	3070591		47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9					48
49 AFC RPM - PSI	1600 - 36	1600 - 36	1200 - 34	1200 - 19	1200 - 23		49
50 AFC Flow - pph	174	174	166	162	142		50
51 AFC Spring - Gage Height-In.	179828 -	179828 -	179830 - .117	179824 - .117	179822 - .117		51
52 AFC Bias Spring			3051070	3071949	3071949		52
53 AFC No Air RPM - PSI	1600 - 61	1600 - 56	1200 - 36	1200 - 22	1200 - 26		53
54 AFC No Air Flow	221	210	173	176	153		54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly				3066447	3066447		59
60 PT Pacer Assembly			3071374	3071374	3071374		60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1991 EPA	1991 EPA	1991 CARB	1991 CARB	1991 CARB		62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	LTA10-B	LTA10-B	L10-280	91STC-L10-280	91STC-L10-260	L-10	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2209 RPMs. TOR SHIM GAGE SETTING = .670". USE FUEL PUMP HOUSING P/N 3060695; USE .030" ASA P/N 3074123; USE VENTED AFC PLUNGER P/N 3020739. BUS APPLICATION ONLY;
- (2) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3060695; TOR SHIM GAGE SETTING = .670". MIN GOV CH PT @ 15 PSI = 2223 RPM. USE .030" ASA P/N 3074123; USE VENTED AFC PLUNGER P/N 3020739.
- (3) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3051070; SHIM AFC MAIN SPG P/N 179830 TO 1.320"; SHIM CRUISESPEED RAIL TO 76-86PSI @ 2100 RPMs REF. USE .160" SHIMS ON THE GOVERNOR SPRING; MIN GOVERNOR CH PT @ 15 PSI = 2200 RPM; USE FUEL PUMP HOUSING P/N 3883547; TORQUE SPRING GAGE SETTING = .540"; PRESSURIZED GEAR PUMP REQUIRED;
- (4) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3071950; SHIM AFC MAIN SPRING P/N 179824 TO 1.320"; SHIM CRUISE RAIL TO 99-105 PSI 1950 RPMs; REF. USE .070" SHIMS ON THE GOVERNOR SPRING; MIN GOVERNOR CH PT @ 15 PSI @ 2150 RPM'S; TORQUE SPRING GAGE SETTING = .562"; PRESSURIZED GEAR PUMP REQUIRED;
- (5) DSAFC W/KEY HOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3071949; SHIM AFC MAIN SPRING P/N 179822 TO 1.320"; TORQUE SPRING GAGE SETTING = .560"; REF. AUTO GOVERNOR SHIMS TO BE .060"; MIN GOVERNOR CH PT @ 15 PSI = 1955 RPMs; USE FUEL PUMP HOUSING P/N 3068109;
- (6) PRESS GEAR PUMP REQUIRED USE EFC VALVE P/N 3052504; NO AFC REQUIRED MIN GOV SPEED @ 15 PSI CH PT = 2214 RPM. USE FUEL PUMP HOUSING P/N 3059646; TORQUE SPRING GAGE SETTING = .685"; REF. AUTO GOVERNOR SHIMMING = .180";

1 Pump Code	X340-A	X341-C	X343-A	X344-A	X345-B	X346-B	1
2 Date - Control Parts List	MAR91 - 1367	SEP92 - 1446	JAN92 - 1511	JAN92 - 0894	NOV92 - 1512	NOV92 - 1512	2
3 Test HP @ RPM	298 - 322 @ 1600	295 - 319 @ 1600	269 - 291 @ 2000	319 - 332 @ 2100	317 - 343 @ 1600	317 - 343 @ 1600	3
4 Governed Speed-RPM	2000	1800	2000	2000	1800	2000	4
5 Engine Fuel PSI	150 - 180	121 - 135	150 - 180	145 - 161	150 - 180	150 - 180	5
6 Fuel Rate Pound Per Hour	98 - 106	97 - 105	98 - 106	105 - 109	102 - 111	102 - 111	6
7 Intake Manifold Press. In./Hg	47 - 57	45 - 55	45 - 55	47 - 57	47 - 57	47 - 57	7
8 Torque Rise % - Curve	31 - NONE	27 -	22 - NONE	20 - NONE	34 - NONE	59 - NONE	8
9 Torque Peak - PSI @ RPM	140 - 170 @ 1200	- @ 1200	140 - 170 @ 1200	- @ 1300	140 - 170 @ 1200	140 - 170 @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM				2130 - 2150			11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM		94 - 108 @ 1900					13
14 Max. Auto. Gov. Check-RPM @ PSI		2126 @ 15	2420 @ 15	2457 @ 15			14
15 Min. Auto. Gov. Check-RPM @ PSI		1976 @ 15	2300 @ 15	2248 @ 15			15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph		110 -		110 -			20
21 Throttle Travel-Auto., VS, Levtr		28, -		28, -			21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.		305 @ 700		300 @ 700			23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	25 @ 175	129 @ 1600	25 @ 175	161 @ 2100	25 @ 175	25 @ 175	25
26 Calibration Flow	135	447	135	481	135	135	26
27 Check Point (1) PSI @ RPM	130 - 160 @ 1200	101 - 107 @ 1200	130 - 160 @ 1200	104 - 110 @ 1300	140 - 170 @ 1200	140 - 170 @ 1200	27
28 Check Point (1) Flow	520	397	520	381	520	520	28
29 Check Point (2) PSI @ RPM	150 - 180 @ 2100		150 - 180 @ 2100		150 - 180 @ 2100	150 - 180 @ 2100	29
30 Check Point (2) Flow	650		650		650	650	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring		.790 - 143854		.790 - 143854			33
34 Idle Plunger Code - Part No.		17 - 140417		27 - 141632			34
35 Fuel Pump Housing		3059632		3059646			35
36 Auto. Idle Spring		3018767		3018767			36
37 Auto. Gov. Spring - Ref. Shims		3004750 - .060		153238 - .150			37
38 Gear Pump Size In.		.750		.750			38
39 Auto. Gov. Weights		146437		146437			39
40 Auto. Gov. Plunger		3040750		3040750			40
41 Torque Spring - Shims - Gage Height		3053169 - .055 - .555		138784 - .035 - .685			41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly		3070591					47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI		1200 - 19					49
50 AFC Flow - pph		162					50
51 AFC Spring - Gage Height-In.		179830 - .117					51
52 AFC Bias Spring		3071704					52
53 AFC No Air RPM - PSI		1200 - 22					53
54 AFC No Air Flow		176					54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve				FS 2001			61
62 Certified Year/Agency	1991 CARB	1991 CARB	1992 EPA		1991 CARB	1991 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10-310E	91STC-L10-310	L10-280E	L10	L10-330E	L10-330E	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)		SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

(1) SELECT SUPPLY PUMP.

(2) DSAFC W/KEY HOLE EDM BARREL P/N 3070591; USE A 3071704 AFC BIAS SPRING; SHIM AFC MAIN SPG P/N 179830 TO 1.320"; TORQUE SPRING GAGE SETTING = .555"; USE FUEL PUMP HOUSING P/N 3059632; CRUISERAIL SETTING @ 1900 RPM = 94-108 PSI; REF. AUTO GOVERNOR SHIMMING TO BE .060"; REQUIRES A CEEMAT INTERRUPTER VALVE;

(4) PRESS GEAR PUMP REQUIRED. 24 VOLT NORMALLY CLOSED EFC P/N 3044189; TORQUE SPRING GAGE SETTING = .685"; MIN GOV CH PT @ 15 PSI = 2248 RPM. USE FUEL PUMP HOUSING P/N 3059646;

(5) 330E LINEHAUL RATING FOR PHASE 3;

(6) 330E VOCATIONAL RATING FOR PHASE 3;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X347-A - X352-B

1 Pump Code	X347-A	X348-A	X349-B	X350-B	X351-A	X352-B	
2 Date - Control Parts List	NOV91 - 1514	NOV91 - 1514	NOV92 - 1513	NOV92 - 1513	NOV91 - 1514	SEP92 - 1448	1
3 Test HP @ RPM	298 - 322 @ 1600	298 - 322 @ 1600	317 - 343 @ 1600	317 - 343 @ 1600	298 - 322 @ 1600	252 - 268 @ 1700	2
4 Governed Speed-RPM	1800	2000	1800	2000	2000	1950	3
5 Engine Fuel PSI	150 - 180	150 - 180	150 - 180	150 - 180	150 - 180	112 - 124	4
6 Fuel Rate Pound Per Hour	99 - 107	99 - 107	102 - 111	102 - 111	99 - 107	85 - 90	5
7 Intake Manifold Press. In./Hg	47 - 57	47 - 57	47 - 57	47 - 57	47 - 57	38 - 46	6
8 Torque Rise % - Curve	31 - NONE	31 - NONE	34 - NONE	59 - NONE	31 - NONE	57 - NONE	7
9 Torque Peak - PSI @ RPM	140 - 170 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	- @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM							10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI						103 - 109 @ 1950	13
15 Min. Auto. Gov. Check-RPM @ PSI						2250 @ 15	14
16 RS Gov. Setting-PSI @ RPM						2150 @ 15	15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph						110 -	19
21 Throttle Travel-Auto., VS, Levtr						28 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.						305 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	25 @ 175	25 @ 175	25 @ 175	25 @ 175	25 @ 175	118 @ 1700	24
26 Calibration Flow	135	135	135	135	135	360	25
27 Check Point (1) PSI @ RPM	130 - 160 @ 1200	130 - 160 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	130 - 160 @ 1200	93 - 99 @ 1200	26
28 Check Point (1) Flow	520	520	520	520	520	318	27
29 Check Point (2) PSI @ RPM	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100		28
30 Check Point (2) Flow	650	650	650	650	650		29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring						.790 - 1.43854	32
34 Idle Plunger Code - Part No.			00 -			22 - 141630	33
35 Fuel Pump Housing						3883547	34
36 Auto. Idle Spring						3018767	35
37 Auto. Gov. Spring - Ref. Shims						143255 - .145	36
38 Gear Pump Size In.						.750	37
39 Auto. Gov. Weights						146437	38
40 Auto. Gov. Plunger						3070740	39
41 Torque Spring - Shims - Gage Height						3053175 - .045 - .545	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly						3070591	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI						1200 - 23	48
50 AFC Flow - pph						142	49
51 AFC Spring - Gage Height-In.						179822 - .117	50
52 AFC Bias Spring						3071949	51
53 AFC No Air RPM - PSI						1200 - 26	52
54 AFC No Air Flow						153	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1991 CARB	1991 CARB	1991 AUST	1991 AUST	1991 CARB	1991 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10-310E	L10-310E	L10-330E	L10-330E	L10-310E	L10-260-91STC	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

(1) SELECT SUPPLY PUMP FOR PHASE 3 LINEHAUL

(2) SELECT SUPPLY PUMP.

(3) 300E LINEHAUL RATING FOR PHASE 3; FOR USE BY AUSTRALIA ONLY;

(4) 330E VOCATIONAL RATING FOR PHASE 3; FOR USE IN AUSTRALIA ONLY;

(5) SELECT SUPPLY PUMP.

(6) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3071949; SHIM AFC MAIN SPRING P/N 179822 TO 1.320"; REF. USE 145" SHIMS ON GOV SPRING; SHIM CRUISERAIL TO 103-109 PSI @ 1950 PSI; MIN GOVERNOR CH PT @ 15PSI = 2150 RPM; USE FUEL PUMP HOUSING P/N 3883547; TORQUE SPRING GAGE SETTING = .545"; PRESSURIZED GEAR PUMP REQUIRED;

1 Pump Code	X353-B	X354-B	X355-B	X356-A	X357-B	X358-B	
2 Date - Control Parts List	SEP92 - 1447	JAN92 - 0958	SEP92 - 1448	MAR92 - 0958	JUL91 - 0995	SEP92 - 1447	1
3 Test HP @ RPM	272 - 288 @ 1700	284 - 296 @ 2100	252 - 268 @ 1600	284 - 296 @ 2100	318 - 332 @ 2100	272 - 288 @ 1700	2
4 Governed Speed-RPM	1950	2100	1800			1950	3
5 Engine Fuel PSI	107 - 118	168 - 186	113 - 125	168 - 186	152 - 168	105 - 116	4
6 Fuel Rate Pound Per Hour	93 - 99	93 - 97	84 - 89	93 - 97	103 - 107	93 - 99	5
7 Intake Manifold Press. In./Hg	41 - 49	39 - 47	37 - 45	39 - 47	40 - 48	41 - 49	6
8 Torque Rise % - Curve	58 - NONE	20 - NONE	29 - NONE	20 - NONE	17 -	58 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1300	- @ 1200	- @ 1300	- @ 1300	- @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM		2130 - 2150		2130 - 2150	2130 - 2150		10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM	101 - 107 @ 1950		84 - 102 @ 1900			106 - 112 @ 1950	12
14 Max. Auto. Gov. Check-RPM @ PSI	2250 @ 15	2457 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	2250 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2150 @ 15	2232 @ 15	1955 @ 15	2232 @ 15	2310 @ 15	2150 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	305 @ 700	300 @ 700	305 @ 700	300 @ 700	200 @ 760	305 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	112 @ 1700	177 @ 2100	119 @ 1600	177 @ 2100	172 @ 2100	117 @ 1700	24
26 Calibration Flow	402	397	360	397	440	402	25
27 Check Point (1) PSI @ RPM	87 - 93 @ 1200	121 - 127 @ 1300	95 - 101 @ 1200	121 - 127 @ 1300	115 - 121 @ 1300	92 - 98 @ 1200	26
28 Check Point (1) Flow	355	327	318	327	356	355	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.800 - 143854	.790 - 143854	32
34 Idle Plunger Code - Part No.	27 - 141632	22 - 141630	25 - 141631	22 - 141630	20 - 141629	20 - 141629	33
35 Fuel Pump Housing	3883545	3059636	3059632	3059636	3059632	3883545	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3004750 - .070	143253 - .065	3004750 - .060	143253 - .065	143253 - .095	3004750 - .070	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3070740	3040750	3040750	3040750	3040750	3070740	39
41 Torque Spring - Shims - Gage Height	3053171 - .062 - .562	3002047 - .007 - .657	3053167 - .060 - .560	3002047 - .007 - .657	139584 - .020 - .671	3053171 - .070 - .570	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3070591	3041494	3070591	3041494	3070591	3070591	46
48 AFC In./Hg - PSI		8 - 3.9		8 - 3.9			47
49 AFC RPM - PSI	1200 - 19	1600 - 44	1200 - 23	1600 - 44	800 - 20	1200 - 23	48
50 AFC Flow - pph	162	178	142	178	155	162	49
51 AFC Spring - Gage Height-In.	179824 - .117	179826 -	179822 - .117	179826 -	179828 - .117	179824 - .117	50
52 AFC Bias Spring	3071950		3071949		3051070	3071950	51
53 AFC No Air RPM - PSI	1200 - 22	1600 - 80	1200 - 26	1600 - 80	800 - 28	1200 - 26	52
54 AFC No Air Flow	176	254	153	254	190	176	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve	FS 2010	FS 2001		FS 2001		FS 2001	60
62 Certified Year/Agency	1991 CARB		1991 CARB			1991 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	91STC-L10-280	LT10-C (290)	91STC-L10-260	LT10-C (290)		91STC-L10-280	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3071950; SHIM AFC MAIN SPRING P/N 179824 TO 1.320"; SHIM CRUISERAIL TO 101-107 PSI 1950 RPM'S; REF. USE .070" SHIMS ON THE GOVERNOR SPRING; MIN GOVERNOR CH PT @ 15 PSI @ 2150 RPM'S; USE FUEL PUMP HOUSING P/N 3883545; TORQUE SPRING GAGE SETTING = .562"; PRESSURIZED GEAR PUMP REQUIRED; REQUIRES A CEEMAT INTERRUPTER VALVE;
- (2) PRESS GEAR PUMP REQUIRED MIN GOV SPEED @ 15 PSI CH PT = 2232 RPMS. USE FUEL PUMP HOUSING P/N 3059636; TORQUE SPRING GAGE SETTING = .657"; CLASSFIT AFC REQUIRED;
- (3) DSAFC W/KEY HOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3071949; SHIM AFC MAIN SPRING P/N 179822 TO 1.320"; TORQUE SPRING GAGE SETTING = .560"; REF. AUTO GOVERNOR SHIMS TO BE .060"; MIN GOVERNOR CH PT @ 15 PSI = 1955 RPMS; USE FUEL PUMP HOUSING P/N 3059632; SHIM CRUISERAIL TO 84-102 PSI @ 1900 RPM; REQUIRES A CEEMAT INTERRUPTER VALVE;
- (4) 3/4" HEAVY DUTY BUSHED GEAR PUMP REQUIRED; MIN GOV SPEED @ 15 PSI CH PT = 2232 RPMS. USE FUEL PUMP HOUSING P/N 3059636; TORQUE SPRING GAGE SETTING = .657"; CLASSFIT AFC REQUIRED;
- (5) DUAL SPRING AFC FUEL PUMP; BIAS SPRING P/N 3051070 25 IN/LB (RED/GREEN)
- (6) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3071950; SHIM AFC MAIN SPRING P/N 179824 TO 1.320"; SHIM CRUISERAIL TO 106-112 PSI @ 1950 RPMS; REF. USE .070" SHIMS ON THE GOVERNOR SPRING; MIN GOVERNOR CH PT @ 15 PSI @ 2150 RPM'S; USE FUEL PUMP HOUSING P/N 3883545; TORQUE SPRING GAGE SETTING = .570"; PRESSURIZED GEAR PUMP REQUIRED;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X359-C - X365-A

1 Pump Code	X359-C	X360-B	X361-A	X362-A	X364-A	X365-A	
2 Date - Control Parts List	SEP92 - 1446	SEP92 - 1446	JAN92 - 0958	SEP92 - 1448	MAY93 - 1558	MAY93 - 1558	2
3 Test HP @ RPM	285 - 309 @ 1700	252 - 268 @ 1700	284 - 296 @ 2100	252 - 268 @ 1700	304 - 316 @ 1800	294 - 306 @ 1700	3
4 Governed Speed-RPM	1950	1950	2100	1950	1800	1950	4
5 Engine Fuel PSI	120 - 132	116 - 128	168 - 186	109 - 121	113 - 125	109 - 121	5
6 Fuel Rate Pound Per Hour	97 - 105	85 - 90	93 - 97	86 - 92	99 - 103	98 - 102	6
7 Intake Manifold Press. In./Hg	45 - 55	38 - 46	39 - 47	37 - 45	46 - 56	45 - 55	7
8 Torque Rise % - Curve	58 - NONE	57 - NONE	20 - NONE	57 - NONE		- NONE	8
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1200	- @ 1300	- @ 1200	- @ 1200	- @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM			2130 - 2150				11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	114 - 120 @ 1950	110 - 116 @ 1950		103 - 109 @ 1950	88 - 101 @ 1900	102 - 108 @ 1950	13
14 Max. Auto. Gov. Check-RPM @ PSI	2250 @ 15	2260 @ 15	2457 @ 15	2250 @ 15	2130 @ 15	2260 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2150 @ 15	2140 @ 15	2232 @ 15	2150 @ 15	2010 @ 15	2140 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 713	305 @ 700	305 @ 700	305 @ 700	300 @ 713	300 @ 713	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	126 @ 1700	122 @ 1700	170 @ 2100	117 @ 1700	119 @ 1600	115 @ 1700	25
26 Calibration Flow	435	356	397	358	448	440	26
27 Check Point (1) PSI @ RPM	104 - 110 @ 1200	100 - 106 @ 1200	114 - 120 @ 1300	98 - 104 @ 1200	94 - 100 @ 1200	94 - 100 @ 1200	27
28 Check Point (1) Flow	397	324	327	328	398	398	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	33
34 Idle Plunger Code - Part No.	15 - 139894	15 - 139894	25 - 141631	20 - 141629	20 - 141629	17 - 140417	34
35 Fuel Pump Housing	3883545	3883545	3060695	3883545	3059632	3893831	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004751 - .175	143255 - .080	143255 - .190	143255 - .070	3036899 - .105	3004751 - .150	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3070740	3070740	3040750	3070720	3040760	3074330	40
41 Torque Spring - Shims - Gage Height	3051813 - .065 - .565	3053175 - .050 - .550	139585 - .010 - .660	3053175 - .055 - .555	3051813 - .055 - .555	3051813 - .062 - .562	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3070591	3070591	3031298	3070591	3070590	3070590	47
48 AFC In./Hg - PSI			8 - 3.9				48
49 AFC RPM - PSI	1200 - 23	1200 - 27	1600 - 44	1200 - 23	1200 - 23	1200 - 23	49
50 AFC Flow - pph	162	142	178	142	170	170	50
51 AFC Spring - Gage Height-In.	179830 - .117	179822 - .117	179826 -	179822 - .117	179832 - .117	179832 - .117	51
52 AFC Bias Spring	3071704	3071949		3071949	3071704	3071704	52
53 AFC No Air RPM - PSI	1200 - 26	1200 - 30	1600 - 80	1200 - 26	1200 - 26	1200 - 26	53
54 AFC No Air Flow	176	153	254	153	200	200	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly				3063504			59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	FS 2001						61
62 Certified Year/Agency	1991 CARB	1991 CARB		1991 CARB	1992 CARB	1992 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	91STC-L10-300	L10-260 STC	LT10-C (290)	L10-260	91STC-L10-310	91STC-L10-300	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)		SEE NOTE (4)			67

NOTES

- (1) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; SHIM AFC MAIN SPG P/N 179830 TO 1.320"; PRESSURIZED GEAR PUMP REQUIRE;
 (2) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3071949; SHIM AFC MAIN SPRING P/N 179822 TO 1.320"; REF. USE .080" SHIMS ON GOV SPRING; SHIM CRUISERAIL TO 110-116 PSI @ 1950 PSI; MIN GOVERNOR CH PT @ 15PSI = 2140 RPMs; USE FUEL PUMP HOUSING P/N 3883545; TORQUE SPRING GAGE SETTING = .550"; PRESSURIZED GEAR PUMP REQUIRED;
 (4) REQUIRES CEEMAT INTERRUPTER VALVE FS2010;

1 Pump Code	X366-B	X367-A	X368-A	X369-A	X370-A	X371-A	
2 Date - Control Parts List	SEP92 - 1446	JAN92 - 1427	MAY93 - 1558	DEC92 - 1562	MAY93 - 1558	MAY93 - 1560	1
3 Test HP @ RPM	285 - 309 @ 1700	347 - 383 @ 1600	294 - 306 @ 1700	255 - 265 @ 1700	304 - 316 @ 1600	274 - 286 @ 1600	2
4 Governed Speed-RPM	1800		1950	1800	1800	1800	3
5 Engine Fuel PSI	115 - 127	150 - 180	116 - 128	107 - 119	115 - 127	99 - 109	4
6 Fuel Rate Pound Per Hour	97 - 105	117 - 127	98 - 102	86 - 90	99 - 103	91 - 95	5
7 Intake Manifold Press. In./Hg	45 - 55	52 - 62	45 - 55	39 - 47	46 - 56	42 - 50	6
8 Torque Rise % - Curve	58 - NONE	34 - NONE	- NONE	57 - NONE	- NONE	- NONE	7
9 Torque Peak - PSI @ RPM	- @ 1200		- @ 1200	- @ 1200	- @ 1200	- @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM							10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM	109 - 115 @ 1950		108 - 116 @ 1950	99 - 105 @ 1950	89 - 102 @ 1900	72 - 88 @ 1900	12
14 Max. Auto. Gov. Check-RPM @ PSI	2250 @ 15		2250 @ 15	2260 @ 15	2130 @ 15	2110 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2150 @ 15		2150 @ 15	2140 @ 15	2010 @ 15	1990 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -		110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28 -		28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 713		300 @ 713	300 @ 713	300 @ 713	300 @ 713	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	121 @ 1700	25 @ 175	122 @ 1700	115 @ 1700	121 @ 1600	104 @ 1600	24
26 Calibration Flow	435	135	440	356	448	412	25
27 Check Point (1) PSI @ RPM	99 - 105 @ 1200	130 - 160 @ 1200	101 - 107 @ 1200	92 - 98 @ 1200	96 - 102 @ 1200	83 - 89 @ 1200	26
28 Check Point (1) Flow	397	520	398	315	398	369	27
29 Check Point (2) PSI @ RPM		150 - 180 @ 2100					28
30 Check Point (2) Flow		650					29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.790 - 143854		.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417		15 - 139894	20 - 141629	25 - 141631	25 - 141631	33
35 Fuel Pump Housing	3883545		3893831	3893831	3059632	3059632	34
36 Auto. Idle Spring	3018767		3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3004751 - .190		3004751 - .170	143255 - .120	3036899 - .105	3036897 - .115	36
38 Gear Pump Size In.	.750		.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437		146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3070740		3074330	3074330	3040760	3040750	39
41 Torque Spring - Shims - Gage Height	3051813 - .065 - .565		3053171 - .070 - .570	3053175 - .044 - .540	3051813 - .055 - .555	3053164 - .070 - .570	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3070591		3070590	3070590	3070590	3070590	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1200 - 19		1200 - 27	1200 - 26	1200 - 23	1200 - 23	48
50 AFC Flow - pph	162		170	160	170	174	49
51 AFC Spring - Gage Height-In.	179830 - .117		179832 - .117	179826 - .117	179832 - .117	179828 - .117	50
52 AFC Bias Spring	3071704		3071704	3071950	3071704	3071704	51
53 AFC No Air RPM - PSI	1200 - 22		1200 - 30	1200 - 32	1200 - 26	1200 - 26	52
54 AFC No Air Flow	176		200	185	200	186	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve	FS 2010		FS 2001	FS 2010	FS 2010	FS 2010	60
62 Certified Year/Agency	1991 CARB		1992 CARB	1992 CARB	1992 CARB	1992 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	91STC-L10-300	L10-365E	91STC-L10-300	L10-260	91STC-L10-310	L10-280 91STC	65
67 Notes		SEE NOTE (2)					66

NOTES

(2) 365 LINEHAUL RATING FOR 94L10 CV3 BUILD;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X372-A - X377-A

1 Pump Code	X372-A	X373-A	X374-A	X375-B	X376-B	X377-A	1
2 Date - Control Parts List	MAY93 - 1560	MAY93 - 1560	MAY93 - 1560	DEC92 - 1562	DEC92 - 1562	DEC92 - 1562	2
3 Test HP @ RPM	274 - 286 @ 1700	274 - 286 @ 1700	274 - 286 @ 1700	255 - 265 @ 1600	255 - 265 @ 1700	255 - 265 @ 1700	3
4 Governed Speed-RPM	1950	1950	1950	1800	1950	1950	4
5 Engine Fuel PSI	100 - 110	102 - 112	109 - 121	107 - 119	107 - 119	114 - 126	5
6 Fuel Rate Pound Per Hour	93 - 97	93 - 97	93 - 97	84 - 88	86 - 90	86 - 90	6
7 Intake Manifold Press. In./Hg	42 - 50	42 - 50	42 - 50	38 - 46	39 - 47	39 - 47	7
8 Torque Rise % - Curve	- NONE	- NONE	- NONE	29 - NONE	57 - NONE	57 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1200	- @ 1200	- @ 1200	- @ 1200	- @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	93 - 99 @ 1950	93 - 99 @ 1950	102 - 108 @ 1950	82 - 100 @ 1900	99 - 105 @ 1950	104 - 110 @ 1950	13
14 Max. Auto. Gov. Check-RPM @ PSI	2250 @ 15	2250 @ 15	2250 @ 15	2120 @ 15	2260 @ 15	2260 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2150 @ 15	2150 @ 15	2150 @ 15	1980 @ 15	2140 @ 15	2140 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 713	300 @ 713	300 @ 700	300 @ 713	300 @ 713	300 @ 713	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	105 @ 1700	107 @ 1700	115 @ 1700	113 @ 1600	113 @ 1700	120 @ 1700	25
26 Calibration Flow	416	416	417	353	356	356	26
27 Check Point (1) PSI @ RPM	83 - 89 @ 1200	85 - 91 @ 1200	90 - 96 @ 1200	90 - 96 @ 1200	90 - 96 @ 1200	97 - 103 @ 1200	27
28 Check Point (1) Flow	369	369	368	315	315	315	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	33
34 Idle Plunger Code - Part No.	25 - 141631	25 - 141631	22 - 141630	25 - 141631	20 - 141629	17 - 140417	34
35 Fuel Pump Housing	3893831	3893831	3893831	3059632	3893831	3893831	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143255 - .075	143255 - .075	3036899 - .082	3036899 - .095	143255 - .105	143255 - .105	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3074330	3074330	3074330	3040750	3074330	3074330	40
41 Torque Spring - Shims - Gage Height	3053172 - .060 - .560	3053172 - .060 - .560	3053171 - .060 - .560	3053167 - .069 - .569	3053175 - .044 - .544	3053175 - .042 - .542	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3070590	3070590	3070590	3070590	3070590	3070590	47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1200 - 23	1200 - 23	1200 - 27	1200 - 26	1200 - 26	1200 - 30	49
50 AFC Flow - pph	174	174	174	160	160	160	50
51 AFC Spring - Gage Height-In.	179828 - .117	179828 - .117	179828 - .117	179826 - .117	179826 - .117	179826 - .117	51
52 AFC Bias Spring	3071704	3071704	3071704	3071950	3071950	3071950	52
53 AFC No Air RPM - PSI	1200 - 26	1200 - 26	1200 - 30	1200 - 32	1200 - 32	1200 - 36	53
54 AFC No Air Flow	186	186	186	185	185	185	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		FS 2010	FS 2001			FS 2001	61
62 Certified Year/Agency	1992 CARB	1992 CARB	1992 CARB	1992 CARB	1992 CARB	1992 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	91STC-L 10-280	91STC-L 10-280	91STC-L 10-280	L 10-260	L 10-260	L 10-260	66
67 Notes							67

NOTES

1 Pump Code	X378-A	X379-A	X380-A	X381-A	X382-B	X383-A	
2 Date - Control Parts List	MAY93 - 1558	MAY93 - 1558	MAY93 - 1560	MAY93 - 1560	DEC92 - 1562	DEC92 - 1562	1
3 Test HP @ RPM	304 - 316 @ 1600	294 - 306 @ 1700	274 - 286 @ 1600	274 - 286 @ 1700	255 - 265 @ 1600	255 - 265 @ 1700	2
4 Governed Speed-RPM	1800	1950	1800	1950	1800	1950	3
5 Engine Fuel PSI	113 - 125	109 - 121	99 - 109	100 - 110	107 - 119	107 - 119	4
6 Fuel Rate Pound Per Hour	99 - 103	98 - 102	91 - 95	93 - 97	84 - 88	86 - 90	5
7 Intake Manifold Press. In./Hg	46 - 56	45 - 55	42 - 50	42 - 50	38 - 46	39 - 47	6
8 Torque Rise % - Curve		- NONE	- NONE	- NONE	29 - NONE	57 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1200	- @ 1200	- @ 1200	- @ 1200	- @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM							10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM	88 - 101 @ 1900	102 - 108 @ 1950	72 - 88 @ 1900	93 - 99 @ 1950	82 - 100 @ 1900	97 - 103 @ 1950	12
14 Max. Auto. Gov. Check-RPM @ PSI	2130 @ 15	2260 @ 15	2110 @ 15	2250 @ 15	2120 @ 15	2260 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2010 @ 15	2140 @ 15	1990 @ 15	2150 @ 15	1980 @ 15	2140 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 713	300 @ 713	300 @ 713	300 @ 713	300 @ 713	300 @ 713	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	119 @ 1600	115 @ 1700	104 @ 1600	105 @ 1700	113 @ 1600	113 @ 1700	24
26 Calibration Flow	448	440	412	416	353	356	25
27 Check Point (1) PSI @ RPM	94 - 100 @ 1200	94 - 100 @ 1200	83 - 89 @ 1200	83 - 89 @ 1200	90 - 96 @ 1200	90 - 96 @ 1200	26
28 Check Point (1) Flow	398	398	369	369	315	315	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	15 - 139894	22 - 141630	22 - 141630	22 - 141630	17 - 140417	33
35 Fuel Pump Housing	3068109	3893832	3893832	3893832	3068109	3893832	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3036899 - .105	3004751 - .150	3036897 - .115	143255 - .075	3036899 - .095	143255 - .105	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3074330	3040750	3074330	3040750	3074330	39
41 Torque Spring - Shims - Gage Height	3051813 - .055 - .555	3051813 - .062 - .562	3053164 - .070 - .570	3053172 - .060 - .560	3053167 - .069 - .569	3053175 - .044 - .544	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3070590	3070590	3070590	3070590	3070590	3070590	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1200 - 23	1200 - 23	1200 - 23	1200 - 23	1200 - 26	1200 - 26	48
50 AFC Flow - pph	170	170	174	174	160	160	49
51 AFC Spring - Gage Height-In.	179832 - .117	179832 - .117	179828 - .117	179828 - .117	179826 - .117	179826 - .117	50
52 AFC Bias Spring	3071704	3071704	3071704	3071704	3071950	3071950	51
53 AFC No Air RPM - PSI	1200 - 26	1200 - 26	1200 - 26	1200 - 26	1200 - 32	1200 - 32	52
54 AFC No Air Flow	200	200	186	186	185	185	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly	3066447	3066447	3066447	3066447			58
60 PT Pacer Assembly	3071374	3071374	3071374	3071374			59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1992 CARB	1992 CARB	1992 CARB	1992 CARB	1992 CARB	1992 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10-310-STC	91STC-L10-300	91STC-L10-280	91STC-L10-280	L10-260	L10-260	65
67 Notes			SEE NOTE (3)				66

NOTES

(3) THIS IS A PT-PACER FUEL CODE;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X386-B - X391-B

1 Pump Code	X386-B	X387-B	X388-A	X389-A	X390-B	X391-B	
2 Date - Control Parts List	MAY93 - 1587	MAY93 - 1587	JUN92 - 1514	JUN92 - 1514	MAY93 - 1588	MAY93 - 1588	1
3 Test HP @ RPM	317 - 343 @ 1600	317 - 343 @ 1600	298 - 322 @ 1600	298 - 322 @ 1600	317 - 343 @ 1600	317 - 343 @ 1600	2
4 Governed Speed-RPM	1800	2000	1800	2000		2000	3
5 Engine Fuel PSI	150 - 180	150 - 180	150 - 180	150 - 180	150 - 180	150 - 180	4
6 Fuel Rate Pound Per Hour	102 - 111	102 - 111	99 - 107	99 - 107	102 - 111	102 - 111	5
7 Intake Manifold Press. In./Hg	47 - 57	47 - 57	47 - 57	47 - 57	47 - 57	47 - 57	6
8 Torque Rise % - Curve	- NONE	- NONE	31 - NONE	31 - NONE	- NONE	- NONE	7
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1200	- @ 1200	- @ 1200		- @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM							10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI							13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph							19
21 Throttle Travel-Auto., VS, Lev							20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.							22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	25 @ 175	25 @ 175	25 @ 175	25 @ 175	25 @ 175	25 @ 175	24
26 Calibration Flow	135	135	135	135	135	135	25
27 Check Point (1) PSI @ RPM	140 - 170 @ 1200	140 - 170 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	26
28 Check Point (1) Flow	520	520	520	520	520	520	27
29 Check Point (2) PSI @ RPM	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	28
30 Check Point (2) Flow	650	650	650	650	650	650	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring							32
34 Idle Plunger Code - Part No.							33
35 Fuel Pump Housing							34
36 Auto. Idle Spring							35
37 Auto. Gov. Spring - Ref. Shims							36
38 Gear Pump Size In.							37
39 Auto. Gov. Weights							38
40 Auto. Gov. Plunger							39
41 Torque Spring - Shims - Gage Height							40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1992 CARB	1992 CARB	1992 CARB	1992 CARB	1992 AUST	1992 AUST	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10-330E	L10-330E	L10-310E	L10-310E	L10-330E	L10-330E	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) 330E LINEHAUL RATING FOR PHASE 3;
 (2) 330E VOCATIONAL RATING FOR PHASE 3;
 (3) SELECT SUPPLY PUMP
 (4) SELECT SUPPLY PUMP.
 (5) SELECT FUEL CODE FOR 330E LINEHAUL FOR AUSTRALIA ONLY.
 (6) 330E VOCATIONAL RATING FOR PHASE 3; FOR USE IN AUSTRALIA ONLY;

1 Pump Code	X392-A	X393-A	X394-A	X395-A	X398-A	X399-A	
2 Date - Control Parts List	JUN92 - 1514	MAY93 - 1590	JAN92 - 0775	SEP92 - 1446	APR92 - 0775	MAY93 - 1617	1
3 Test HP @ RPM	298 - 322 @ 1600	269 - 291 @ 2000	270 - 280 @ 1800	295 - 319 @ 1600	284 - 296 @ 2100	269 - 291 @ 2000	2
4 Governed Speed-RPM	2000	2000	1800	1800	2100	2000	3
5 Engine Fuel PSI	150 - 180	150 - 180	148 - 164	127 - 141	167 - 189	150 - 180	4
6 Fuel Rate Pound Per Hour	99 - 107	96 - 104	88 - 92	97 - 105	97 - 102	96 - 104	5
7 Intake Manifold Press. In./Hg	47 - 57	43 - 53	33 - 41	45 - 55	39 - 47	43 - 53	6
8 Torque Rise % - Curve	31 - NONE	- NONE	8 - NONE	27 -	20 - NONE	- NONE	7
9 Torque Peak - PSI @ RPM	- @ 1200	140 - 170 @ 1200	- @ 1300	- @ 1200	- @ 1300	- @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM			1930 - 1950		2130 - 2150		10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM				86 - 98 @ 1900			12
14 Max. Auto. Gov. Check-RPM @ PSI			2165 @ 15	2126 @ 15	2457 @ 15		13
15 Min. Auto. Gov. Check-RPM @ PSI			2045 @ 15	1975 @ 15	2232 @ 15		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph			110 -	110 -	110 -		19
21 Throttle Travel-Auto. - VS, Levr			28, -	28, -	28, -		20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.			300 @ 710	300 @ 710	300 @ 713		22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	25 @ 175	25 @ 175	154 @ 1800	134 @ 1600	176 @ 2100	25 @ 175	24
26 Calibration Flow	135	135	372	460	396	135	25
27 Check Point (1) PSI @ RPM	130 - 160 @ 1200	130 - 160 @ 1200	114 - 120 @ 1300	104 - 110 @ 1200	121 - 127 @ 1300	130 - 160 @ 1200	26
28 Check Point (1) Flow	520	520	320	402	317	520	27
29 Check Point (2) PSI @ RPM	150 - 180 @ 2100	150 - 180 @ 2100				150 - 180 @ 2100	28
30 Check Point (2) Flow	650	650				650	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring			.790 - 143854	.790 - 143854	.775 - 143854		32
34 Idle Plunger Code - Part No.			22 - 141630	15 - 139894	22 - 141630		33
35 Fuel Pump Housing			3059646	3059632	3059632		34
36 Auto. Idle Spring			3018767	3018767	3018767		35
37 Auto. Gov. Spring - Ref. Shims			153235 - .035	3036897 - .125	153235 - .180		36
38 Gear Pump Size In.			.750	.750	.750		37
39 Auto. Gov. Weights			146437	146437	146437		38
40 Auto. Gov. Plunger			3040750	3040760	3040750		39
41 Torque Spring - Shims - Gage Height			138789 - .035 - .635	3053169 - .060 - .550	3002054 - .037 - .637		40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly				3070591			46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI				1200 - 23			48
50 AFC Flow - pph				162			49
51 AFC Spring - Gage Height-In.				179830 - .117			50
52 AFC Bias Spring				3071704			51
53 AFC No Air RPM - PSI				1200 - 28			52
54 AFC No Air Flow				176			53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly			3063504				58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve				FS 2001			60
62 Certified Year/Agency	1992 CARB	1992 EPA				1992 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10-310E	L10-280E	LTA10-C	91STC-L10-310	LTA10-C (290)	L10-280E	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)		SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) SELECT SUPPLY PUMP.
- (2) SELECT FUEL CODE FOR 280E URBAN BUS.
- (3) PRESS GEAR PUMP REQUIRED MIN GOV SPEED @ 15 PSI CH PT = 2045 RPMs.
- (5) 3/4" HEAVY DUTY BUSHED GEAR PUMP REQUIRED;
- (6) SELECT FUEL CODE FOR 280E WITH TRAP.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X400-A - X405-A

1 Pump Code	X400-A	X401-A	X402-A	X403-A	X404-A	X405-A	
2 Date - Control Parts List	DEC92 - 1621	JAN93 - 1621	JAN93 - 1623	JAN93 - 1623	JAN93 - 1623	JAN93 - 1623	1
3 Test HP @ RPM	279 - 291 @ 2200	279 - 291 @ 2200	294 - 306 @ 1900	279 - 291 @ 1800	294 - 306 @ 1900	279 - 291 @ 1900	2
4 Governed Speed-RPM	2200	2200	1900	1800	1900	1900	3
5 Engine Fuel PSI	174 - 192	177 - 195	166 - 184	154 - 170	166 - 184	159 - 170	4
6 Fuel Rate Pound Per Hour	96 - 100	96 - 100	95 - 99	89 - 93	95 - 99	90 - 94	5
7 Intake Manifold Press. In./Hg	47 - 57	47 - 57	41 - 48	38 - 46	41 - 49	36 - 44	6
8 Torque Rise % - Curve	50 - NONE	50 - NONE	15 - NONE	14 - NONE	15 - NONE	21 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2230 - 2250	2230 - 2250	1930 - 1950	1830 - 1850	1930 - 1950	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2574 @ 15	2574 @ 15	2223 @ 15	2106 @ 15	2223 @ 15	2223 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2324 @ 15	2324 @ 15	2051 @ 15	1951 @ 15	2051 @ 15	2043 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	151 @ 1300	154 @ 1300	175 @ 1900	162 @ 1800	175 @ 1900	162 @ 1900	24
26 Calibration Flow	360	360	400	382	399	385	25
27 Check Point (1) PSI @ RPM	181 - 185 @ 2200	184 - 188 @ 2200	131 - 137 @ 1300	130 - 136 @ 1300	131 - 137 @ 1300	129 - 135 @ 1300	26
28 Check Point (1) Flow	400	400	340	345	340	345	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	32
34 Idle Plunger Code - Part No.	12 - 141626	7 - 141624	17 - 140417	15 - 139894	10 - 141625	20 - 141629	33
35 Fuel Pump Housing	3060695	3060695	3060695	3060695	3059633	3060695	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	153237 - .000	144490 - .000	153235 - .000	144490 - .000	3004755 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040760	3040760	3040760	3040760	3040760	3040760	39
41 Torque Spring - Shims - Gage Height	3002050 - .010 - .660	3002050 - .010 - .660	3002053 - .010 - .610	3053158 - .080 - .585	3002053 - .010 - .610	139588 - .030 - .630	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3031297	3031297	3031298	3031298	3036903	3031298	46
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	47
49 AFC RPM - PSI	1600 - 29	1600 - 29	1600 - 22	1600 - 22	1600 - 22	1600 - 22	48
50 AFC Flow - pph	155	155	130	130	130	130	49
51 AFC Spring - Gage Height-In.	3007696 -	3007696 -	3000592 -	3000592 -	3000592 -	3000592 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 70	1600 - 70	1600 - 68	1600 - 68	1600 - 68	1600 - 68	52
54 AFC No Air Flow	240	240	234	239	234	234	53
55 ASA Valve	3020760	3020760					54
56 TMD Set with ST589 - Shims	.020 - .160	.020 - .160					55
57 TMD Spring	109687	109687					56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1992 EPA	FS 2010 1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	L10	L10	L10	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2324 RPM. USE FUEL PUMP HSG P/N 3060695. USE TMD PLUNGER #204 P/N 3003150 AND TMD SPRING P/N 109687, ST 589 SETTING @ .020 (TMD SHIMS = .160"). .025" ASA REQUIRED P/N 3020760. VENTED AFC PLUNGER REQUIRED P/N 3020739. TOR SPRING GAGE SETTING = .660".
- (2) VENTED AFC PLUNGER REQUIRED P/N 3020739.
- (3) REQUIRES STELLITE VALVES. RATINGS OF 285 HP AND ABOVE WHICH WERE CPL 1223 HAVE BEEN SUPERCEDED BY CPL 1346. NOW SUPERCEDED BY CPL 1623.
- (4) REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. NOW SUPERCEDED BY CPL 1623.
- (5) THIS IS A PACE PUMP. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. NOW SUPERCEDED BY CPL 1623.
- (6) REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. NOW SUPERCEDED BY CPL 1623.

1 Pump Code	X406-A	X407-A	X408-A	X409-A	X410-A	X411-A	1
2 Date - Control Parts List	JAN93 - 1623	JAN93 - 1623	JAN93 - 1625	JAN93 - 1623	JAN93 - 1623	JAN93 - 1624	2
3 Test HP @ RPM	294 - 306 @ 1800	294 - 306 @ 1900	343 - 357 @ 2100	294 - 306 @ 2100	294 - 306 @ 2100	265 - 275 @ 2100	3
4 Governed Speed-RPM	1800	1900	2100	2100	2100	2100	4
5 Engine Fuel PSI	165 - 183	166 - 184	213 - 235	169 - 187	169 - 187	156 - 172	5
6 Fuel Rate Pound Per Hour	93 - 97	95 - 99	112 - 116	97 - 101	97 - 101	91 - 94	6
7 Intake Manifold Press. In./Hg	39 - 47	41 - 48	47 - 57	42 - 50	42 - 50	45 - 55	7
8 Torque Rise % - Curve	9 - NONE	15 - NONE	9 - NONE	4 - NONE	15 - NONE	27 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1830 - 1850	1930 - 1950	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2106 @ 15	2223 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1959 @ 15	2051 @ 15	2259 @ 15	2236 @ 15	2236 @ 15	2223 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - cph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	174 @ 1800	175 @ 1900	224 @ 2100	178 @ 2100	178 @ 2100	164 @ 2100	25
26 Calibration Flow	400	400	457	406	405	391	26
27 Check Point (1) PSI @ RPM	128 - 134 @ 1300	131 - 137 @ 1300	128 - 134 @ 1300	94 - 100 @ 1300	110 - 116 @ 1300	114 - 120 @ 1300	27
28 Check Point (1) Flow	347	340	340	293	320	322	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	33
34 Idle Plunger Code - Part No.	15 - 139894	15 - 139894	12 - 141626	37 - 140418	30 - 141633	27 - 141632	34
35 Fuel Pump Housing	3060695	3068106	3060695	3060695	3060695	3060695	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000941 - .000	144490 - .000	3000936 - .000	3000936 - .000	153237 - .000	143253 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040760	3040760	3040760	3040760	3040760	40
41 Torque Spring - Shims - Gage Height	138998 - .095 - .595	3002053 - .010 - .610	138791 - .020 - .620	138785 - .040 - .630	138782 - .030 - .680	139586 - .020 - .670	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3031298	3036903	3031298	3031298	3031298	3031297	47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	8 - 3.9	6 - 2.9	6 - 2.9	48
49 AFC RPM - PSI	1600 - 22	1600 - 22	1600 - 22	1600 - 56	1600 - 22	1600 - 36	49
50 AFC Flow - pph	130	130	130	210	130	174	50
51 AFC Spring - Gage Height-In.	3000592 -	3000592 -	3000592 -	179824 -	3000592 -	179828 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 56	53
54 AFC No Air Flow	234	234	239	238	234	210	54
55 ASA Valve						3074123	55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model		L10	L10	L10	L10	L10	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) REQUIRES STELLITE FACED VALVES. RATINGS OF. 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. NOW SUPERCEDED BY CPL 1623.
- (2) REQUIRES STELLITE FACED VALVES. RATINGS OF. 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. NOW SUPERCEDED BY CPL 1623.
- (3) RESTRICTED TO FIRETRUCK APPLICATION ONLY. REQUIRES STELLITE VALVES, RATINGS OF 285. OR ABOVE WHICH WERE CPL 1223 HAVE BEEN. SUPERCEDED BY CPL 1346 AND NOW CPL 1442. AND NOW BY CPL 1625.
- (4) REQUIRES STELLITE FACED VALVES. RATINGS OF. 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. NOW SUPERCEDED BY CPL 1623.
- (5) REQUIRES STELLITE FACED VALVES. RATINGS OF. 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. NOW SUPERCEDED BY CPL 1623.
- (6) COMPLIES TO N AMERICAN BUS REGULATIONS.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X412-A - X417-A

1 Pump Code	X412-A	X413-A	X414-A	X415-A	X416-A	X417-A	
2 Date - Control Parts List	JAN93 - 1624	JAN93 - 1622	DEC92 - 1622	JAN93 - 1620	JAN93 - 1620	JAN93 - 1620	2
3 Test HP @ RPM	235 - 245 @ 2100	235 - 245 @ 2100	235 - 245 @ 2100	235 - 245 @ 1900	245 - 255 @ 2200	235 - 245 @ 2100	3
4 Governed Speed-RPM	2100	2100		1900	2200	2100	4
5 Engine Fuel PSI	134 - 148	134 - 148	134 - 148	135 - 149	142 - 156	130 - 144	5
6 Fuel Rate Pound Per Hour	81 - 85	81 - 85	81 - 85	77 - 81	84 - 88	79 - 83	6
7 Intake Manifold Press. In./Hg	40 - 48	40 - 48	40 - 48	34 - 42	39 - 47	36 - 44	7
8 Torque Rise % - Curve	25 - NONE	45 - NONE	25 - NONE	30 - NONE	51 - NONE	50 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300		- @ 1300	- @ 1300	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2130 - 2150	1930 - 1950	2230 - 2250	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2223 @ 15	2574 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2209 @ 15	2209 @ 15		2021 @ 15	2309 @ 15	2209 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	141 @ 2100	141 @ 2100	141 @ 2100	142 @ 1900	149 @ 2200	137 @ 2100	25
26 Calibration Flow	361	360	361	345	372	355	26
27 Check Point (1) PSI @ RPM	93 - 99 @ 1300	118 - 124 @ 1300	93 - 99 @ 1300	119 - 125 @ 1300	120 - 126 @ 1300	120 - 126 @ 1300	27
28 Check Point (1) Flow	292	330	292	315	337	335	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	33
34 Idle Plunger Code - Part No.	37 - 140418	22 - 141630	37 - 140418	22 - 141630	20 - 141629	5 - 141623	34
35 Fuel Pump Housing	3060695	3060695		3059636	3060695	3060695	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	3053101 - .000	143253 - .000	3053105 - .065	3051817 - .000	3053100 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	163826	39
40 Auto. Gov. Plunger	3040760	3040760	3040750	3040750	3040760	3040750	40
41 Torque Spring - Shims - Gage Height	139584 - .020 - .670	3821491 - .030 - .630	139584 - .020 -	3002047 - .000 - .650	3821488 - .055 - .655	3053171 - .105 - .605	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3031297	3031297		3036903	3031298	3031298	47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	8 - 3.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 36	1600 - 36	1600 - 36	1600 - 76	1600 - 76	1600 - 76	49
50 AFC Flow - pph	174	174	174	256	256	256	50
51 AFC Spring - Gage Height-In.	179828 -	179828 -	179828 -	179822 -	179822 -	179822 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 61	1600 - 73	1600 - 73	1600 - 68	1600 - 69	1600 - 68	53
54 AFC No Air Flow	221	247	247	238	239	239	54
55 ASA Valve	3074123	3042360					55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve				FS 2001			61
62 Certified Year/Agency	1992 EPA		1992 EPA	1992 EPA	1992 EPA	1992 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10	L10	L10	L10	L10	L10	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)				67

NOTES

(1) COMPLIES TO N AMERICAN BUS REGULATIONS.

(2) USE VENTED AFC PLUNGER P/N 3020739.

(3) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2209 RPMs. TOR SHIM GAGE SETTING = .670". USE FUEL PUMP HOUSING P/N 3060695; USE .040"ASA P/N 3042360. USE VENTED AFC PLUNGER P/N 3020739.

1 Pump Code	X418-A	X419-A	X420-A	X421-A	X422-A	X423-A	1
2 Date - Control Parts List	JAN93 - 1620	JAN93 - 1620	JAN93 - 1620	MAY92 - 1620	MAY92 - 1620	MAY92 - 1623	2
3 Test HP @ RPM	235 - 245 @ 2100	235 - 245 @ 2100	235 - 245 @ 2100	245 - 255 @ 2200	245 - 255 @ 2200	294 - 306 @ 2100	3
4 Governed Speed-RPM	2100	2100	2100	2200	2200	2100	4
5 Engine Fuel PSI	137 - 151	129 - 143	130 - 144	142 - 156	147 - 163	169 - 187	5
6 Fuel Rate Pound Per Hour	79 - 83	79 - 83	79 - 83	84 - 88	84 - 88	97 - 101	6
7 Intake Manifold Press. In./Hg	36 - 44	36 - 44	36 - 44	39 - 47	39 - 47	42 - 50	7
8 Torque Rise % - Curve	50 - NONE	30 - NONE	50 - NONE	51 - NONE	51 - NONE	27 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1200	- @ 1300	- @ 1300	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2130 - 2150	2230 - 2250	2230 - 2250	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2574 @ 15	2574 @ 15	2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2209 @ 15	2209 @ 15	2209 @ 15	2309 @ 15	2309 @ 15	2236 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	144 @ 2100	136 @ 2100	137 @ 2100	149 @ 2200	155 @ 2200	178 @ 2100	25
26 Calibration Flow	355	355	355	372	370	406	26
27 Check Point (1) PSI @ RPM	127 - 133 @ 1300	95 - 101 @ 1300	120 - 126 @ 1300	120 - 126 @ 1300	126 - 132 @ 1300	128 - 134 @ 1300	27
28 Check Point (1) Flow	335	285	335	337	335	335	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.780 - 143854	.775 - 143854	33
34 Idle Plunger Code - Part No.	5 - 141623	30 - 141633	5 - 141623	17 - 140417	17 - 140417	17 - 140417	34
35 Fuel Pump Housing	3059636	3060695	3068106	3068106	3059636		35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3053100 - .000	153235 - .140	3053100 - .000	3051817 - .000	3051817 - .070	153235 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	163826	146437	163826	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040760	3040760	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053171 - .100 - .600	3002056 - .040 - .640	3053171 - .100 - .600	3821488 - .060 - .655	3821488 - .060 - .660	3002057 - .040 - .640	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3031298	3031298	3041494	3041494	3041494		47
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	6 - 2.9	48
49 AFC RPM - PSI	1600 - 76	1600 - 76	1600 - 76	1600 - 76	1600 - 76	1600 - 22	49
50 AFC Flow - pph	256	256	256	256	256	130	50
51 AFC Spring - Gage Height-In.	179822 -	179822 -	179822 -	179822 -	179822 -	3000592 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 68	1600 - 68	1600 - 68	1600 - 69	1600 - 69	1600 - 68	53
54 AFC No Air Flow	239	239	239	239	239	239	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve					FS 2001		61
62 Certified Year/Agency	1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model		L10	L10 PT-PACER	L10 PT-PACER	LTA10	L10	66
67 Notes				SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (4) PRESSURIZED GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3060695; USE FUEL PUMP HOUSING P/N 3068106; TORQ SP LENGTH GAGE = .655". PT-PACER PUMP REQUIRED;
 (5) PRESSURIZED GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3059636; MIN GOV CK PT @ 15 PSI = 2309 RPM. TORQUE SPRING GAGE SETTING = .660";
 (6) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2236 RPM. USE FUEL PUMP HSG P/N 3043254. TOR SPRING GAGE SETTING = .640". REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X424-A - X429-A

1 Pump Code	X424-A	X425-A	X426-A	X427-A	X428-A	X429-A	1
2 Date - Control Parts List	JAN93 - 1623	MAY92 - 1623	MAY92 - 1623	JUN92 - 1620	JUN92 - 1620	JUN92 - 1620	2
3 Test HP @ RPM	294 - 306 @ 2100	294 - 306 @ 2100	294 - 306 @ 2100	235 - 245 @ 1900	235 - 245 @ 1800	235 - 245 @ 1900	3
4 Governed Speed-RPM	2100	2100	2100	1900	1800	1900	4
5 Engine Fuel PSI	169 - 187	169 - 187	169 - 187	128 - 142	119 - 131	127 - 139	5
6 Fuel Rate Pound Per Hour	97 - 101	97 - 101	97 - 101	77 - 81	77 - 80	77 - 81	6
7 Intake Manifold Press. In./Hg	42 - 50	42 - 50	42 - 50	34 - 42	33 - 41	34 - 42	7
8 Torque Rise % - Curve	15 - NONE	27 - NONE	27 - NONE	30 - NONE	23 - NONE	30 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2130 - 2150	1930 - 1950	1830 - 1850	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2223 @ 15	2106 @ 15	2223 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2236 @ 15	2236 @ 15	2236 @ 15	2021 @ 15	1927 @ 15	2021 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	178 @ 2100	178 @ 2100	178 @ 2100	135 @ 1900	125 @ 1800	132 @ 1900	25
26 Calibration Flow	405	406	406	345	333	345	26
27 Check Point (1) PSI @ RPM	110 - 116 @ 1300	128 - 134 @ 1300	128 - 134 @ 1300	112 - 118 @ 1300	108 - 114 @ 1300	111 - 117 @ 1300	27
28 Check Point (1) Flow	320	335	335	315	315	318	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	33
34 Idle Plunger Code - Part No.	30 - 141633	12 - 141626	15 - 139894	25 - 141631	22 - 141630	20 - 141629	34
35 Fuel Pump Housing	3060695		3068106	3060695	3060695		35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .000	153235 - .000	153235 - .000	3053106 - .000	3053101 - .000	3053106 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138782 - .030 - .680	3002057 - .040 - .640	3002057 - .040 -	139585 - .000 - .650	3002055 - .005 - .600	139588 - .000 - .650	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3031298	3036903	3036903	3031298	3031298	3036903	47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	8 - 3.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 22	1600 - 22	1600 - 22	1600 - 76	1600 - 76	1600 - 76	49
50 AFC Flow - pph	130	130	130	256	256	256	50
51 AFC Spring - Gage Height-In.	3000592 -	3000592 -	3000592 -	179822 -	179822 -	179822 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	53
54 AFC No Air Flow	234	239	239	238	234	238	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10	L10	L10	L10	L10	L10	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESS GEAR PUMP REQUIRED. TOR SPRING GAGE SETTING = .680". MIN GOV CH PT @ 15 PSI = 2236 RPM. USE FUEL PUMP HSG P/N 3060695. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (2) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2236 RPM. USE FUEL PUMP HOUSING P/N 3059633. TOR SPRING GAGE SETTING = .640". PACE FUELPUMP WITH CLASS FIT AFC; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (3) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2236 RPM. USE FUEL PUMP HSG P/N 3068106; TOR SPRING GAGE SETTING = .640". PT-PACER PUMP; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (4) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3060695. TOR SPRING GAGE SETTING = .650".
- (5) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 1927 RPM. USE FUEL PUMP HSG P/N 3060695. TOR SPRING GAGE SETTING = .600".
- (6) MIN GOV CH PT @ 15 PSI = 2051 RPM. MIN GOV CH PT P REQUIRED. USE FUEL PUMP HSG 3059633. USE CLASS FIT AFC ASSEMBLY 3041494. TOR SPRING GAGE SETTING = .650". THIS IS A PACE PUMP CODE;

1 Pump Code	X430-A	X431-A	X432-A	X433-A	X434-A	X435-A	
2 Date - Control Parts List	JUN92 - 1620	JUN92 - 1620	JUN92 - 1620	JUN92 - 1620	JUN92 - 1620	JUN92 - 1620	1
3 Test HP @ RPM	235 - 245 @ 1900	265 - 275 @ 1900	265 - 275 @ 1800	265 - 275 @ 2100	265 - 275 @ 1900	265 - 275 @ 1900	2
4 Governed Speed-RPM	1900	1900	1800	2100	1900	1900	3
5 Engine Fuel PSI	127 - 139	150 - 166	139 - 153	151 - 167	143 - 158	143 - 158	4
6 Fuel Rate Pound Per Hour	77 - 81	86 - 90	83 - 87	87 - 91	86 - 90	86 - 90	5
7 Intake Manifold Press. In./Hg	34 - 42	39 - 47	39 - 47	43 - 51	39 - 47	39 - 47	6
8 Torque Rise % - Curve	30 - NONE	15 - NONE	9 - NONE	27 - NONE	15 - NONE	15 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	1930 - 1950	1830 - 1850	2130 - 2150	1930 - 1950	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2223 @ 15	2106 @ 15	2457 @ 15	2223 @ 15	2223 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2021 @ 15	2036 @ 15	1943 @ 15	2223 @ 15	2036 @ 15	2036 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	132 @ 1900	158 @ 1900	146 @ 1800	159 @ 2100	150 @ 1900	150 @ 1900	24
26 Calibration Flow	345	375	360	376	370	370	25
27 Check Point (1) PSI @ RPM	111 - 117 @ 1300	110 - 116 @ 1300	106 - 112 @ 1300	110 - 116 @ 1300	110 - 116 @ 1300	110 - 116 @ 1300	26
28 Check Point (1) Flow	318	315	310	303	316	316	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	32
34 Idle Plunger Code - Part No.	22 - 141630	25 - 141631	30 - 141633	32 - 141634	22 - 141630	22 - 141630	33
35 Fuel Pump Housing	3068106	3060695	3060695	3060695	3060695	3060695	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3053106 - .000	3000941 - .135	153235 - .000	143254 - .000	153235 - .000	153235 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040760	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	139586 - .000 - .650	138792 - .000 - .600	138787 - .025 - .625	139586 - .015 - .665	138792 - .025 - .630	138792 - .025 - .630	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3036903	3031298	3031298	3031298	3036903	3036903	46
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	47
49 AFC RPM - PSI	1600 - 76	1600 - 76	1600 - 76	1600 - 76	1600 - 76	1600 - 76	48
50 AFC Flow - gph	256	256	256	265	256	256	49
51 AFC Spring - Gage Height-In.	179822 -	179822 -	179822 -	179822 -	179822 -	179822 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 68	1600 - 69	1600 - 67	1600 - 68	1600 - 69	1600 - 69	52
54 AFC No Air Flow	238	239	232	238	239	239	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10 PT-PACER	L10	L10	L10	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3068106; TOR SPRING GAGE SETTING = .650". PT-PACER PUMP REQUIRED;
- (2) PRESSURIZED GEAR PUMP. MIN GOV CK PT @ 15 PSI = 2036 RPM. FUEL PUMP HOUSING P/N 3060695; TORQUE SPRING GAGE SETTING = .600";
- (3) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 1943 RPM. USE FUEL PUMP HSG P/N 3060695. TOR SPRING GAGE SETTING = .625".
- (4) PRESSURIZED GEAR PUMP REQUIRED. MIN. GOV CH PT @ 15 PSI = 2223 RPM. USE FUEL PUMP HOUSING P/N 3060695. TORQUE SPRING GAGE SETTING = .665".
- (5) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CHECK POINT @ 15 PSI = 2036 RPM'S. USE FUEL PUMP HOUSING P/N 3059633. TORQ SPRING GAGE SETTING = .630". CLASS FIT AFC REQUIRED; THIS IS A PACE PUMP;
- (6) PRESSURIZED GEAR PUMP. MIN GOV CK PT @ 15 PSI = 2036 RPM. USE FUEL PUMP HGS P/N 3068106; TORQUE SHIM SETTING = .630". PT-PACER FUEL PUMP;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X436-A - X441-A

1 Pump Code	X436-A	X437-A	X438-A	X439-A	X440-A	X441-A	1
2 Date - Control Parts List	AUG92 - 1623	AUG92 - 1619	AUG92 - 1619	AUG92 - 1619	AUG92 - 1619	AUG92 - 1623	2
3 Test HP @ RPM	279 - 291 @ 2200	265 - 275 @ 2100	265 - 275 @ 2100	265 - 275 @ 1800	265 - 275 @ 2100	279 - 291 @ 2200	3
4 Governed Speed-RPM	2200	2100	2100	1800	2100	2200	4
5 Engine Fuel PSI	159 - 175	145 - 161	145 - 161	142 - 157	152 - 168	159 - 175	5
6 Fuel Rate Pound Per Hour	94 - 98	88 - 92	88 - 92	84 - 88	88 - 92	94 - 98	6
7 Intake Manifold Press. In./Hg	40 - 48	37 - 45	37 - 45	34 - 42	37 - 45	40 - 48	7
8 Torque Rise % - Curve	40 - NONE	41 - NONE	16 - NONE	21 - NONE	41 - NONE	26 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2230 - 2250	2130 - 2150	2130 - 2150	1830 - 1850	2130 - 2150	2230 - 2250	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2574 @ 15	2457 @ 15	2457 @ 15	2106 @ 15	2457 @ 15	2574 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2324 @ 15	2233 @ 15			2223 @ 15	2324 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	167 @ 2200	153 @ 2100	153 @ 2100	149 @ 1800	160 @ 2100	167 @ 2200	25
26 Calibration Flow	396	375	375	366	375	400	26
27 Check Point (1) PSI @ RPM	128 - 134 @ 1300	129 - 135 @ 1300	95 - 101 @ 1300	130 - 136 @ 1300	136 - 142 @ 1300	109 - 115 @ 1300	27
28 Check Point (1) Flow	345	345	293	345	350	310	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	33
34 Idle Plunger Code - Part No.	17 - 140417	17 - 140417	40 - 137370	17 - 140417	12 - 141626	27 - 141632	34
35 Fuel Pump Housing	3060695	3060695	3060695	3060695	3059636	3060695	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3001146 - .000	3053101 - .000	153238 - .000	3053101 - .000	3053101 - .000	153238 - .110	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3035818 - .015 -	3821491 - .025 - .630	138782 - .060 -	3002053 - .010 -	3821491 - .025 - .625	3002049 - .010 - .650	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3031298	3031298	3031298	3031298	3036903	3031298	47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	48
49 AFC RPM - PSI	1600 - 22	1600 - 22	1600 - 30	1600 - 22	1600 - 22	1600 - 22	49
50 AFC Flow - pph	130	130	150	130	130	130	50
51 AFC Spring - Gage Height-In.	3000592 -	3000592 -	179830 -	3000592 -	3000592 -	3000592 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	53
54 AFC No Air Flow	239	239	234	234	234	239	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency		1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10	L10	L10	L10	L10	L10	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CK PT SPEED @ 15 PSI = 2233 RPM. USE FUEL PUMP HSG P/N 3043254. TOR SPRING GAGE = . REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223, HAVE BEEN SUPRECEDED BY CPL 1346.
- (2) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3043254. TOR SP GAGE SETTING = .630". MIN GOV CH PT @ 15 PSI = 2223 RPMs.
- (3) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2223 RPM. TRO SPRING GAGE SETTING = .700". FUEL PUMP HSG P/N = 3060695.
- (4) PRESS GEAR PUMP REQUIRED. TORQUE SHIM GAGE SETTING = .610". FUEL PUMP HOUSING P/N = 3060695. MIN GOV CH PT @ 15 PSI = 1943 RPM.
- (5) PRESSURIZED GEAR PUMP REQUIRED; MIN GOVERNOR CHECK POINT @ 15PSI = 2223 RPM'S TORO SPRING GAGE SETTING = .625"; USE FUEL PUMP HOUSING P/N 3059636; CLASS FIT AFC REQUIRED;
- (6) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CK PT SPEED @ 15 PSI = 2233 RPM. USE FUEL PUMP HOUSING P/N 3060695; TORQUE SPRING GAGE SETTING = .650". REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223, HAVE BEEN SUPERCEDED BY CPL 1346.

1 Pump Code	X442-A	X443-A	X444-A	X445-A	X451-B	X452-B	
2 Date - Control Parts List	AUG92 - 1619	AUG92 - 1619	AUG92 - 1623	JUN92 - 1623	NOV92 - 1512	NOV92 - 1512	1
3 Test HP @ RPM	265 - 275 @ 2100	265 - 275 @ 2100	279 - 291 @ 2200	314 - 326 @ 2100	317 - 343 @ 1600	317 - 343 @ 1600	2
4 Governed Speed-RPM	2100	2100	2200	2100			3
5 Engine Fuel PSI	145 - 161	145 - 161	159 - 175	186 - 206	150 - 180	150 - 180	4
6 Fuel Rate Pound Per Hour	87 - 91	88 - 92	94 - 98	102 - 106	102 - 111	102 - 111	5
7 Intake Manifold Press. In./Hg	36 - 44	37 - 45	40 - 48	43 - 51	47 - 57	47 - 57	6
8 Torque Rise % - Curve	27 - NONE	41 - NONE	40 - NONE	19 - NONE	34 - NONE	59 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300			8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2230 - 2250	2130 - 2150			10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2574 @ 15	2457 @ 15			13
15 Min. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2223 @ 15	2324 @ 15	2245 @ 15			14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -			19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -			20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700			22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	153 @ 2100	153 @ 2100	167 @ 2200	196 @ 2100	25 @ 175	25 @ 175	24
26 Calibration Flow	378	375	396	426	135	135	25
27 Check Point (1) PSI @ RPM	109 - 115 @ 1300	129 - 135 @ 1300	128 - 134 @ 1300	128 - 134 @ 1300	140 - 170 @ 1200	140 - 170 @ 1200	26
28 Check Point (1) Flow	324	345	345	340	520	520	27
29 Check Point (2) PSI @ RPM					150 - 180 @ 2100	150 - 180 @ 2100	28
30 Check Point (2) Flow					650	650	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143855	.775 - 143854	.775 - 143854	.775 - 143854			32
34 Idle Plunger Code - Part No.	27 - 141632	15 - 139894	17 - 140417	20 - 141629			33
35 Fuel Pump Housing	3060695	3068106	3068106	3060695			34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767			35
37 Auto. Gov. Spring - Ref. Shims	143254 - .150	3053101 - .000	3001146 - .000	153238 - .000			36
38 Gear Pump Size In.	.750	.750	.750	.750			37
39 Auto. Gov. Weights	146437	146437	146437	146437			38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750			39
41 Torque Spring - Shims - Gage Height	3002047 - .015 - .670	3821491 - .025 - .630	3035818 - .015 - .665	139584 - .020 - .670			40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3031298	3036903	3036903	3031298			46
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9			47
49 AFC RPM - PSI	1600 - 22	1600 - 22	1600 - 22	1600 - 22			48
50 AFC Flow - pph	130	130	130	130			49
51 AFC Spring - Gage Height-In.	3000592 -	3000592 -	3000592 -	3000592 -			50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 68	1600 - 68	1600 - 68	1600 - 68			52
54 AFC No Air Flow	234	239	239	234			53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1992 EPA	1992 EPA	1992 EPA	1992 EPA			61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	L10	L10 PT-PACER	L10	L10-330E	L10-330E	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3060695; TORQUE SPRING GAGE SETTING = .670"; MIN GOV CH PT @ 15 PSI = 2223 RPM'S;
- (2) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3068106; TOR SP GAGE SETTING = .630". MIN GOV CH PT @ 15 PSI = 2223 RPM'S. PT-PACER FUEL PUMP;
- (3) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CK PT SPEED @ 15 PSI = 2323 RPM. USE FUEL PUMP HOUSING P/N 3068106; TORQUE SPRING GAGE SETTING = .665"; PT-PACER REQUIRED. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (4) MIN GOV CH PT @ 15 PSI = 2245 RPM. PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3060718. TORQUE SPRING GAGE SETTING = .670". RESTRICTED TO FIRETRUCK APPLICATION ONLY. RESTRICTED TO 7,500 FOOT ALTITUDE LIMIT. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (5) 330E LINEHAUL RATING FOR PHASE 3;
- (6) 330E VOCATIONAL RATING FOR PHASE 3;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X453-B - X474-A

1 Pump Code	X453-B	X454-B	X455-A	X472-A	X473-A	X474-A	1
2 Date - Control Parts List	NOV92 - 1513	NOV92 - 1513	JAN93 - 1443	OCT92 - 1413	JUL92 - 1412	MAY93 - 1558	2
3 Test HP @ RPM	317 - 343 @ 1600	317 - 343 @ 1600	338 - 352 @ 1800	284 - 296 @ 2100	289 - 301 @ 2000	294 - 306 @ 1700	3
4 Governed Speed-RPM			1800			1950	4
5 Engine Fuel PSI	150 - 180	150 - 180	145 - 161	174 - 192	127 - 141	111 - 123	5
6 Fuel Rate Pound Per Hour	102 - 111	102 - 111	109 - 113	98 - 102	98 - 102	98 - 102	6
7 Intake Manifold Press. In./Hg	47 - 57	47 - 57	56 - 66	46 - 56	43 - 51	45 - 55	7
8 Torque Rise % - Curve	34 - NONE	59 - NONE	7 - C-4772	20 - NONE	13 - NONE	- NONE	8
9 Torque Peak - PSI @ RPM				- @ 1300	- @ 1400	- @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM			1930 - 1950	2130 - 2150	2030 - 2050		11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM						104 - 110 @ 1950	13
14 Max. Auto. Gov. Check-RPM @ PSI			2250 @ 15	2420 @ 15	2260 @ 15	2260 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI			2130 @ 15	2300 @ 15	2140 @ 15	2140 @ 15	15
16 AS Gov. Setting-PSI @ RPM							16
17 Low AS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph			110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev			28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.			300 @ 712	300 @ 713	300 @ 750	300 @ 713	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	25 @ 175	25 @ 175	160 @ 1800	183 @ 2100	134 @ 2000	117 @ 1700	25
26 Calibration Flow	135	135	440	404	431	440	26
27 Check Point (1) PSI @ RPM	140 - 170 @ 1200	140 - 170 @ 1200	131 - 137 @ 1500	116 - 122 @ 1300	94 - 100 @ 1400	96 - 102 @ 1200	27
28 Check Point (1) Flow	520	520	400	312	360	398	28
29 Check Point (2) PSI @ RPM	150 - 180 @ 2100	150 - 180 @ 2100					29
30 Check Point (2) Flow	650	650					30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring			.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	33
34 Idle Plunger Code - Part No.	00 -		20 - 141629	25 - 141631	40 - 137370	15 - 139894	34
35 Fuel Pump Housing			3059646	3059632	3059632	3893831	35
36 Auto. Idle Spring			3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims			153238 - .150	3000940 - .135	153237 - .095	3004751 - .150	37
38 Gear Pump Size In.			.750	.750	.750	.750	38
39 Auto. Gov. Weights			146437	146437	146437	146437	39
40 Auto. Gov. Plunger			3040760	3040750	3040760	3074330	40
41 Torque Spring - Shims - Gage Height			3053159 - .040 - .543	3053157 - .110 - .610	138789 - .025 - .625	3051813 - .062 - .562	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly				3070590	3070590	3070590	47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI				1300 - 50	1300 - 40	1200 - 23	49
50 AFC Flow - pph				195	208	170	50
51 AFC Spring - Gage Height-In.				179820 - .117	179822 - .117	179832 - .117	51
52 AFC Bias Spring				3071950	3071704	3071704	52
53 AFC No Air RPM - PSI				1300 - 55	1300 - 55	1200 - 26	53
54 AFC No Air Flow				206	254	200	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve			FS 2001			FS 2010	61
62 Certified Year/Agency						1992 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10-330E	L10-330E	LTA-10G	LTA-10-C	L10	91STC-L10-300	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)				67

NOTES

- (1) 300E LINEHAUL RATING FOR PHASE 3; FOR USE BY AUSTRALIA ONLY;
 (2) 330E VOCATIONAL RATING FOR PHASE 3; FOR USE IN AUSTRALIA ONLY;
 (3) 3/4" HD BUSHED GEAR PUMP REQUIRED; 24V EFC NORMALLY CLOSED WITH FLEX JOINT;

1 Pump Code	X475-A	X476-A	X477-A	X478-A	X479-B	X480-A	1
2 Date - Control Parts List	MAY93 - 1558	DEC92 - 1562	MAY93 - 1642	MAY93 - 1559	JAN93 - 1414	SEP92 - 1412	2
3 Test HP @ RPM	304 - 316 @ 1600	255 - 265 @ 1600	269 - 291 @ 1600	294 - 306 @ 1700	245 - 255 @ 2100	319 - 332 @ 2100	3
4 Governed Speed-RPM	1800	1800	1800	1950			4
5 Engine Fuel PSI	120 - 132	107 - 119	150 - 180	109 - 121	144 - 160	147 - 163	5
6 Fuel Rate Pound Per Hour	99 - 103	84 - 88	88 - 96	98 - 102	87 - 91	109 - 113	6
7 Intake Manifold Press. In./Hg	46 - 56	38 - 46	40 - 50	45 - 55	44 - 52	48 - 58	7
8 Torque Rise % - Curve	- NONE	29 - NONE	- NONE	- NONE	20 - NONE	20 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1200	- @ 1200	- @ 1200	- @ 1300	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM					2130 - 2150	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	85 - 97 @ 1900	82 - 100 @ 1900		102 - 108 @ 1950			13
14 Max. Auto. Gov. Check-RPM @ PSI	2130 @ 15	2120 @ 15		2260 @ 15	2400 @ 15	2400 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2010 @ 15	1980 @ 15		2140 @ 15	2280 @ 15	2260 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -		110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -		28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 713	300 @ 713		300 @ 713	300 @ 713	300 @ 713	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	126 @ 1600	115 @ 1600	25 @ 175	115 @ 1700	160 @ 2100	154 @ 2100	25
26 Calibration Flow	448	353	135	440	365	465	26
27 Check Point (1) PSI @ RPM	101 - 107 @ 1200	92 - 98 @ 1200	130 - 160 @ 1200	94 - 100 @ 1200	99 - 105 @ 1300	100 - 106 @ 1300	27
28 Check Point (1) Flow	398	315	520	398	277	368	28
29 Check Point (2) PSI @ RPM			150 - 180 @ 2100				29
30 Check Point (2) Flow			650				30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854		.790 - 143854	.800 - 143854	.775 - 143854	33
34 Idle Plunger Code - Part No.	15 - 139894	25 - 141631		17 - 140417	30 - 141633	27 - 141632	34
35 Fuel Pump Housing	3059632	3059632		3893831	3059632	3059632	35
36 Auto. Idle Spring	3018767	3018767		3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3036899 - .092	3036899 - .095		3004751 - .150	153232 - .100	3000941 - .170	37
38 Gear Pump Size In.	.750	.750		.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437		146437	146437	146437	39
40 Auto. Gov. Plunger	3040740	3040760		3074330	3040760	3040750	40
41 Torque Spring - Shims - Gage Height	3053170 - .065 - .565	3053167 - .069 - .569		3051813 - .062 - .562	3002053 - .025 - .625	3002053 - .039 - .639	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3070590	3070590		3070590	3058944	3070590	47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1200 - 27	1200 - 26		1200 - 23	1300 - 80	1300 - 40	49
50 AFC Flow - pph	170	160		170	242	208	50
51 AFC Spring - Gage Height-In.	179832 - .117	179826 - .117		179832 - .117	179818 -	179822 - .117	51
52 AFC Bias Spring	3071704	3071950		3071704	3071952	3071704	52
53 AFC No Air RPM - PSI	1200 - 30	1200 - 32		1200 - 26	1300 - 87	1300 - 55	53
54 AFC No Air Flow	200	183		200	254	254	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	FS 2001	FS 2010			FS 2001		61
62 Certified Year/Agency	1992 CARB	1992 CARB	1992 CARB	1992 AUST			62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	91STC-L10-310	L10-260	L10-280E	L10-300	LT10-C	LTA10-C	66
67 Notes			SEE NOTE (3)	SEE NOTE (4)			67

NOTES

(3) SELECT SUPPLY PUMP FOR PHASE 4 LINEHAUL;

(4) AUSTRALIAN USE ONLY;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X481-A - X486-B

1 Pump Code	X481-A	X482-A	X483-A	X484-A	X485-A	X486-B	
2 Date - Control Parts List	OCT92 - 1414	MAY93 - 1561	JAN93 - 1429	JAN93 - 1443	SEP92 - 1412	OCT92 - 1444	1
3 Test HP @ RPM	220 - 230 @ 2100	274 - 286 @ 1700	377 - 393 @ 1800	328 - 342 @ 1500	319 - 332 @ 2100	225 - 235 @ 1200	2
4 Governed Speed-RPM		1800	1800	1500			3
5 Engine Fuel PSI	128 - 142	100 - 110	177 - 195	140 - 154	147 - 163	85 - 93	4
6 Fuel Rate Pound Per Hour	79 - 83	93 - 97	123 - 129	108 - 112	109 - 113	77 - 81	5
7 Intake Manifold Press. In./Hg	36 - 44	42 - 50	57 - 67	56 - 66	48 - 58	36 - 40	6
8 Torque Rise % - Curve	20 - NONE	- NONE	3 - NONE	3 - NONE	20 - NONE	3 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1200			- @ 1300		8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150		1920 - 1940	1610 - 1630	2130 - 2150	1290 - 1310	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM		93 - 99 @ 1950					12
14 Max. Auto. Gov. Check-RPM @ PSI	2420 @ 15	2250 @ 15	2200 @ 15	1872 @ 15	2420 @ 15	1516 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2300 @ 15	2150 @ 15	2050 @ 15	1728 @ 15	2300 @ 15	1408 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 713	300 @ 713	305 @ 700	300 @ 712	300 @ 713	300 @ 713	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	142 @ 2100	105 @ 1700	186 @ 1800	151 @ 1500	161 @ 2100	96 @ 1200	24
26 Calibration Flow	340	416	453	402	465	302	25
27 Check Point (1) PSI @ RPM	85 - 91 @ 1300	83 - 99 @ 1200	167 - 173 @ 1650	135 - 141 @ 1350	106 - 112 @ 1300	84 - 90 @ 1050	26
28 Check Point (1) Flow	252	369	433	384	368	285	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.775 - 143854	.780 - 143855	32
34 Idle Plunger Code - Part No.	40 - 137370	025 - 141631	17 - 140417	12 - 141626	25 - 141631	12 - 141626	33
35 Fuel Pump Housing	3059632	3893831	3059646	3059646	3059632	3059646	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153232 - .110	143255 - .075	3000940 - .155	3036897 - .120	153237 - .065	3052120 - .169	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040760	3070740	3040760	3040760	3040760	3040760	39
41 Torque Spring - Shims - Gage Height	3053156 - .105 - .605	3053172 - .060 - .560	138805 - .050 - .550	138995 - .045 - .545	3002056 - .027 - .627	138997 - .035 - .535	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3058944	3070590			3070590		46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1300 - 68	1200 - 23			1300 - 45		48
50 AFC Flow - gph	209	174			208		49
51 AFC Spring - Gage Height-In.	179818 -	179828 - .117			179822 - .117		50
52 AFC Bias Spring	3071952	3071704			3071704		51
53 AFC No Air APM - PSI	1300 - 73	1200 - 26			1300 - 60		52
54 AFC No Air Flow	218	186			254		53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly						3080809	58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve	FS 2001				FS 2001	FS 2004	60
62 Certified Year/Agency		1992 AUST					61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LTA10-C	L10-280	LTA-10G1	LTA-10G3	LTA10-C	LTA-10G3	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)		SEE NOTE (4)		SEE NOTE (6)	66

NOTES

(1) PRESS GEAR PUMP REQUIRED

(2) AUSTRALIAN USE ONLY;

(4) 3/4" HD BUSHED GEAR PUMP REQUIRED; 24V EFC NORMALLY CLOSED WITH FLEX JOINT;

(6) 3/4" HD BUSHED GEAR PUMP REQUIRED; 24V EFC NORMALLY CLOSED WITH FLEX JOINT;

1 Pump Code	X487-A	X488-A	X489-A	X490-A	X491-A	X493-A	
2 Date - Control Parts List	JAN93 - 1443	SEP92 - 1429	SEP92 - 1443	AUG92 - 1413	MAY93 - 1589	MAY93 - 1589	1
3 Test HP @ RPM	338 - 352 @ 1800	372 - 388 @ 1800	323 - 337 @ 1500	284 - 296 @ 2100	298 - 322 @ 1600	298 - 322 @ 1600	2
4 Governed Speed-RPM					1800	2000	3
5 Engine Fuel PSI	145 - 161	171 - 189	147 - 163	174 - 192	150 - 180	150 - 180	4
6 Fuel Rate Pound Per Hour	109 - 113	123 - 129	108 - 112	98 - 102	98 - 106	98 - 106	5
7 Intake Manifold Press. In./Hg	56 - 66	57 - 67	56 - 66	46 - 56	47 - 57	47 - 57	6
8 Torque Rise % - Curve	7 - C-4772	3 - NONE	3 - NONE	20 - NONE	- NONE	- NONE	7
9 Torque Peak - PSI @ RPM				- @ 1300	- @ 1200	- @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	1920 - 1940	1610 - 1630	2130 - 2150			10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2250 @ 15	2200 @ 15	1872 @ 15	2440 @ 15			13
15 Min. Auto. Gov. Check-RPM @ PSI	2130 @ 15	2050 @ 15	1728 @ 15	2320 @ 15			14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -			19
21 Throttle Travel-Auto. - VS, Levr	28, -	28, -	28, -	28, -			20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 712	300 @ 713	300 @ 712	300 @ 713			22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	160 @ 1800	196 @ 1800	159 @ 1500	190 @ 2100	25 @ 175	25 @ 175	24
26 Calibration Flow	440	453	402	404	135	135	25
27 Check Point (1) PSI @ RPM	131 - 137 @ 1500	175 - 181 @ 1650	143 - 149 @ 1350	123 - 129 @ 1300	130 - 160 @ 1200	130 - 160 @ 1200	26
28 Check Point (1) Flow	400	433	384	312	520	520	27
29 Check Point (2) PSI @ RPM					150 - 180 @ 2100	150 - 180 @ 2100	28
30 Check Point (2) Flow					650	650	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854			32
34 Idle Plunger Code - Part No.	20 - 141629	15 - 139894	10 - 141625	20 - 141629			33
35 Fuel Pump Housing	3059646	3059646	3059646	3059632			34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767			35
37 Auto. Gov. Spring - Ref. Shims	153238 - .150	3000940 - .155	3036897 - .120	3000940 - .125			36
38 Gear Pump Size In.	.750	.750	.750	.750			37
39 Auto. Gov. Weights	146437	146437	146437	146437			38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040760			39
41 Torque Spring - Shims - Gage Height	3053159 - .040 - .543	138805 - .050 - .550	138995 - .045 - .545	3053159 - .109 - .609			40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly				3070590			46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI				1300 - 54			48
50 AFC Flow - pph				195			49
51 AFC Spring - Gage Height-In.				179820 - .117			50
52 AFC Bias Spring				3071950			51
53 AFC No Air RPM - PSI				1300 - 59			52
54 AFC No Air Flow				206			53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly	3080809	3080809	3080809				58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve	FS 2004	FS 2004	FS 2004	FS 2001			60
62 Certified Year/Agency					1992 CARB	1992 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LTA-10G	LTA-10G1	LTA-10G3	LTA-10-C	L10-310E	L10-310E	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)		SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) 3/4" HD BUSHED GEAR PUMP REQUIRED; 24V EFC NORMALLY CLOSED WITH FLEX JOINT;
 (2) .750 HD PRESSURIZED GEAR PUMP REQUIRED; 24 VOLT EFC WITH FLEX JOINT REQUIRED;
 (3) 3/4" HD BUSHED GEAR PUMP REQUIRED; 24V EFC NORMALLY CLOSED WITH FLEX JOINT;
 (5) SELECT SUPPLY PUMP FOR PHASE 4 LINEHAUL
 (6) SELECT SUPPLY PUMP FOR PHASE 4 VOCATIONAL

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X494-A - X701-A

1 Pump Code	X494-A	X496-A	X497-A	X498-A	X499-A	X701-A	
2 Date - Control Parts List	MAY93 - 1589	DEC92 - 0776	NOV92 - 1414	DEC92 - 1412	FEB93 - 1413	JAN92 - 0775	1
3 Test HP @ RPM	298 - 322 @ 1600	221 - 230 @ 2000	245 - 255 @ 2100	319 - 332 @ 2100	284 - 296 @ 2100	284 - 296 @ 2125	2
4 Governed Speed-RPM	2000						3
5 Engine Fuel PSI	150 - 180	125 - 139	145 - 161	147 - 163	174 - 192	171 - 189	4
6 Fuel Rate Pound Per Hour	98 - 106	75 - 78	87 - 91	109 - 113	98 - 102	95 - 99	5
7 Intake Manifold Press. In./Hg	47 - 57	32 - 40	41 - 49	48 - 58	46 - 56	38 - 46	6
8 Torque Rise % - Curve	- NONE	27 - NONE	20 - NONE	20 - NONE	20 - NONE	20 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1300		- @ 1300	- @ 1300		8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM		2030 - 2050	2130 - 2150	2130 - 2150	2130 - 2150	2220 - 2240	10
12 VS/Sec. Gov. Setting-RPM						2155 - 2175	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2340 @ 15	2370 @ 15	2400 @ 15	2440 @ 15		13
15 Min. Auto. Gov. Check-RPM @ PSI		2220 @ 15	2250 @ 15	2280 @ 15	2320 @ 15		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI						2415 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI						2415 @ 15	18
20 Throttle Leakage-cc - pph		110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev		28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.		300 @ 775	300 @ 713	300 @ 713	300 @ 713	180 @ 750	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	25 @ 175	132 @ 2000	153 @ 2100	154 @ 2100	183 @ 2100	180 @ 2125	24
26 Calibration Flow	135	340	365	465	404	400	25
27 Check Point (1) PSI @ RPM	130 - 160 @ 1200	101 - 107 @ 1300	90 - 96 @ 1300	100 - 106 @ 1300	116 - 122 @ 1300	122 - 128 @ 1300	26
28 Check Point (1) Flow	520	296	275	368	315	330	27
29 Check Point (2) PSI @ RPM	150 - 180 @ 2100						28
30 Check Point (2) Flow	650						29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring		.800 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.830 - 143848	32
34 Idle Plunger Code - Part No.		27 - 141632	37 - 140418	27 - 141632	22 - 141630	20 - 141629	33
35 Fuel Pump Housing		3068109	3059646	3059646	3059646		34
36 Auto. Idle Spring		3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims		3001146 - .120	3000940 - .177	3000941 - .190	3000940 - .150	143253 - .000	36
38 Gear Pump Size In.		.750	.750	.750	.750		37
39 Auto. Gov. Weights		146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger		3040760	3040760	3040750	3040750	3010810	39
41 Torque Spring - Shims - Gage Height		3051813 - .076 - .576	138790 - .050 - .650	3002053 - .040 - .640	3053157 - .117 - .617	3002048 - .050 -	40
42 VS Gov. Max. Spring - Ref. Shims						109687 - .000	41
43 VS Gov. Idle Spring						70778	42
44 VS Gov. Weights						163826	43
45 VS Gov. Plunger						212350	44
46 VS Gov. Sleeve						212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly			3063510	3063504	3063510		58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve		FS 2004					60
62 Certified Year/Agency	1992 CARB						61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10-310E	L-10	LT10-C	LTA10-C	LTA10-C	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)			SEE NOTE (6)	66

NOTES

- (1) SELECT SUPPLY PUMP FOR PHASE 4 VOCATIONAL FOR SCHLUMBERGER;
 (2) NO AFC REQUIRED
 (3) 24 VOLT EFC NORMALLY OPEN;
 (6) PRESS GEAR PUMP REQUIRED. NO AFC REQUIRED. VS IDLE SETTING 180 CC/MIN @ 1100 RPM.

1 Pump Code	X702-B	X703-A	X704-B	X705-A	X706-B	X707-A	
2 Date - Control Parts List	JAN92 - 0775	JAN92 - 0958	JAN92 - 0775	JAN92 - 0776	SEP88 - 0996	DEC89 - 0774	1
3 Test HP @ RPM	284 - 296 @ 2100	270 - 280 @ 1800	280 - 286 @ 2100	186 - 194 @ 2100	265 - 275 @ 2100	265 - 275 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	166 - 184	148 - 164	163 - 180	100 - 110	156 - 172	145 - 163	4
6 Fuel Rate Pound Per Hour	94 - 98	87 - 91	91 - 95	65 - 68	90 - 94	89 - 93	5
7 Intake Manifold Press. in./Hg	37 - 45	36 - 44	38 - 46	27 - 35	45 - 55	36 - 44	6
8 Torque Rise % - Curve	- NONE	8 - NONE	34 - NONE	13 - NONE	27 - NONE	27 - NONE	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2195 - 2215	1890 - 1910	2230 - 2250	2230 - 2250	2130 - 2150	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM	2130 - 2150	1830 - 1850	2130 - 2150	2130 - 2150	2200 - 2250	2200 - 2250	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI					2457 @ 15	2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2457 @ 15	2457 @ 15			17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2457 @ 15	2457 @ 15			18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.		300 @ 700	300 @ 700	300 @ 700	305 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	178 @ 2100	161 @ 1800	171 @ 2100	105 @ 2100	164 @ 2100	155 @ 2100	24
26 Calibration Flow	400	375	390	292	390	375	25
27 Check Point (1) PSI @ RPM		119 - 125 @ 1300	135 - 141 @ 1300	60 - 66 @ 1300	115 - 121 @ 1300	120 - 126 @ 1400	26
28 Check Point (1) Flow		324	345	225	335	328	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring		.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	32
34 Idle Plunger Code - Part No.	42 - 140923	22 - 141630	15 - 139894	65 - 141637	25 - 141631	25 - 141631	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	144195	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3000937 - .000	143253 - .000	3001146 - .000	153236 - .000	3001147 - .000	3000935 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height		138780 - .000	3053173 - .105	3002047 - .005	3002049 - .005	3002058 - .040	40
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109688 - .000	109687 - .000	109686 - .000	109687 - .000	109687 - .000	41
43 VS Gov. Idle Spring	70778	70778	70778	70778	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI		8 - 3.9			6 - 2.9	10 - 4.9	47
49 AFC RPM - PSI		1600 - 44			1600 - 36	1600 - 71	48
50 AFC Flow - pph		178			174	244	49
51 AFC Spring - Gage Height-In.		179826			179828	179828	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI		1600 - 80			1600 - 73	1600 - 69	52
54 AFC No Air Flow		254			247	242	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve					1988 CARB	1988 EPA	60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	L10	SEE NOTE (3)	L10	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)		SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP REQUIRED. NO AFC REQUIRED. NO WT ASSIST OR PLUNGER REQUIRED. SPECIAL FOR INGERSOL RAND ONLY. VS IDLE SETTING 166 CC/MIN @ 1100 RPM. 500 RPM CH PT TO BE SET USING AUTO IDLE ADJUSTING SCREW. FOR SINGLE THROTTLE LEVER APPLICATIONS ONLY.
- (2) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CHECK POINT @ 15 PSI = 1946 RPM. VS IDLE SETTING = 300 CC/MIN. @ 700 RPM. USE FUEL PUMP HOUSING P/N 3821589.
- (3) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CHECK POINT @ 15 PSI = 2229 RPM'S. VS IDLE SETTING = 300 CC/MIN @ 875 RPM'S. TORQUE SPRING GAGE SETTING = .605". USE FUEL PUMP HOUSING P/N 3821589. VS THROTTLE TRAVEL = 18 +/- 2 DEGREES.
- (4) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CHECK POINT @ 15 PSI = 2186 RPM'S. VS IDLE SETTING = 300 CC/MIN @ 700 RPM'S. TORQUE SPRING GAGE SETTING = .655". USE FUEL PUMP HOUSING P/N 3821589.
- (5) PRESSURIZED GEAR PUMP REQUIRED. .040" ASA REQUIRED P/N 3042360. VENTED AFC PLUNGER REQUIRED P/N 3020739. TORQUE SHIM GAGE SETTING = .655". USE FUEL PUMP HOUSING P/N 3821589. SET THE ROADSPEED GOVERNOR TO 125 CC/MIN @ 1200 RPM'S WITH THE THROTTLE OPEN AND AND THE AIR OFF.
- (6) PRESSURIZED GEAR PUMP REQUIRED. MIN GOVERNOR CH PT 2222 RPM @ 15 PSI; USE .035" SHIMS ON THE VS GOV SPRING; SET ROADSPEED GOV TO 125 CC/MIN @ 1200 RPM'S WITH THE THROTTLE OPEN; USE FUEL PUMP HOUSING P/N 3821859;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X708-A - X713-A

1 Pump Code	X708-A	X709-A	X710-B	X711-A	X712-B	X713-A	
2 Date - Control Parts List	SEP88 - 0939	SEP88 - 0956	JAN92 - 0776	JUN92 - 1223	SEP92 - 1346	SEP90 - 1346	1
3 Test HP @ RPM	294 - 306 @ 2100	265 - 275 @ 1900	186 - 194 @ 2100	265 - 275 @ 2100	294 - 306 @ 1900	343 - 357 @ 2100	2
4 Governed Speed-RPM				2100	1900	2100	3
5 Engine Fuel PSI	169 - 187	147 - 163	99 - 110	145 - 161	166 - 184	213 - 235	4
6 Fuel Rate Pound Per Hour	96 - 100	86 - 90	65 - 68	88 - 92	95 - 99	112 - 116	5
7 Intake Manifold Press. In./Hg	40 - 48	39 - 47	27 - 35	37 - 45	41 - 49	47 - 57	6
8 Torque Rise % - Curve	15 - NONE	15 - NONE	13 - NONE	41 - NONE	15 - NONE	9 - NONE	7
9 Torque Peak - PSI @ RPM				- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2230 - 2250	1930 - 1950	2230 - 2250	2230 - 2250	2030 - 2050	2230 - 2250	10
12 VS/Sec. Gov. Setting-RPM	2130 - 2150	2030 - 2050	2130 - 2150	2130 - 2150	1930 - 1950	2130 - 2150	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15					2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI						2259 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI		2223 @ 15	2457 @ 15	2457 @ 15	2223 @ 15	2457 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI		2223 @ 15	2457 @ 15	2457 @ 15	2051 @ 15	2259 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc					300 @ 700 - 300	300 @ 700 - 300	23
25 Calibration PSI @ RPM	178 @ 2100	155 @ 1900	105 @ 2100	153 @ 2100	175 @ 1900	224 @ 2100	24
26 Calibration Flow	405	375	305	375	399	457	25
27 Check Point (1) PSI @ RPM	109 - 115 @ 1300	111 - 117 @ 1300	57 - 63 @ 1300	128 - 134 @ 1300	130 - 136 @ 1300	128 - 134 @ 1300	26
28 Check Point (1) Flow	320	320	220	342	343	342	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	27 - 141632	25 - 141631	65 - 141637	12 - 141626	17 - 140417	20 - 141629	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153236 - .000	153238 - .000	3001156 - .000	3053101 - .000	3001147 - .000	3001157 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	139584 - .050 -	3002055 - .000 -	138782 - .000 -	3053178 - .105 -	138782 - .040 - .690	138781 - .020 - .660	40
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109686 - .000	109686 - .000	109686 - .000	109687 - .000	109686 - .000	41
43 VS Gov. Idle Spring	70778	70778	153240	70778	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	6 - 2.9	8 - 3.9		6 - 2.9	6 - 2.9	6 - 2.9	47
49 AFC RPM - PSI	1600 - 22	1600 - 76		1600 - 22	1600 - 22	1600 - 22	48
50 AFC Flow - pph	130	256		130	130	130	49
51 AFC Spring - Gage Height-In.	3000592 -	179822 -		3000592 -	3000592 -	3000592 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 68	1600 - 68		1600 - 68	1600 - 68	1600 - 68	52
54 AFC No Air Flow	234	234		239	234	234	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1988 CARB	1988 CARB		1988 CARB	1988 CARB	1988 CARB	61
63 Certified Year/Agency				1990 EPA	1991 EPA		62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	L10	L-10	L10	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP REQUIRED; TORQUE SPRING GAGE SETTING = .700"; USE FUEL PUMP HOUSING P/N 3821589; MIN GOVERNOR CHECK POINT @ 15PSI = 2236 RPM'S VS IDLE = 300 CC/MIN @ 700 RPM'S;
- (2) PRESSURIZED GEAR PUMP REQUIRED; TORQUE SPRING GAGE SETTING = .600"; USE FUEL PUMP HOUSING P/N 3821589; USE .060" SHIMS ON THE VS GOV SPRING; MIN GOV CHECK POINT @ 15 PSI = 2035 RPM'S; ROADSPEED GOV CHECK PT @ 15 PSI = 1870-1989. ROADSPEED GOV TO BE SET @ 1700 RPM'S;
- (3) PRESSURIZED GEAR PUMP REQUIRED; MIN GOV CHECK POINT @ 15 PSI = 2186 RPM'S; VS IDLE SETTING = 300 CC/MIN @ 700 RPM'S; TORQUE SPRING GAGE SETTING = .650"; USE FUEL PUMP HOUSING P/N 3821589;
- (4) PRESS GEAR PUMP REQUIRED. TOR SPRING GAGE SETTING = .605". MIN GOV CH PT @ 15 PSI = 2223 RPM. USE FUEL PUMP HSG P/N 3821589. VS IDLE SETTING 300 CC/MIN @ 700 RPM. VS THROTTLE TRAVEL = 19 +/-2 DEGREES; THIS CODE IS SUPERCEDED BY X857 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (5) PRESS GEAR PUMP REQUIRED. VS IDLE SETTING = 300 CC/MIN @ 700 RPM. MIN GOV CH PT @ 15 PSI = 2051 RPM. USE FUEL PUMP HSG P/N 3821589. TORQUE SP GAGE SETTING = .690". VS THROTTLE TRAVEL = 14 +/-2 DEGREES; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPRECEDED BY CPL 1346.
- (6) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI 2259 RPM'S. USE FUEL PUMP HSG P/N 3821589. TOR SPRING GAGE SETTING = .660". RESTRICTED TO FIRETRUCK APPL ONLY. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.

1 Pump Code	X714-A	X715-A	X716-A	X717-A	X718-A	X719-A	
2 Date - Control Parts List	JUN92 - 1346	JUL92 - 1346	JUL92 - 1346	JUN92 - 1346	SEP92 - 1346	JUL92 - 1346	1
3 Test HP @ RPM	279 - 291 @ 2200	294 - 306 @ 2100	294 - 306 @ 2100	314 - 326 @ 2100	294 - 306 @ 1900	294 - 306 @ 2100	2
4 Governed Speed-RPM	2200	2100	2100	2100	1900	2100	3
5 Engine Fuel PSI	159 - 175	169 - 187	165 - 183	186 - 206	166 - 184	169 - 187	4
6 Fuel Rate Pound Per Hour	94 - 98	97 - 101	97 - 101	102 - 106	95 - 99	97 - 101	5
7 Intake Manifold Press. In./Hg	40 - 48	42 - 50	42 - 50	43 - 51	41 - 49	42 - 50	6
8 Torque Rise % - Curve	40 - NONE	26 - NONE	27 - NONE	19 - NONE	15 - NONE	15 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM	-	-	-	-	-	-	9
11 Auto. Gov. Setting-RPM	2330 - 2350	2130 - 2150	2230 - 2250	2230 - 2250	1930 - 1950	2230 - 2250	10
12 VS/Sec. Gov. Setting-RPM	2232 - 2250	2230 - 2250	2130 - 2150	2130 - 2150	2000 - 2050	2130 - 2150	11
13 Cruise Speed-PSI @ RPM	-	-	-	-	-	-	12
14 Max. Auto. Gov. Check-RPM @ PSI	-	2457 @ 15	-	-	2223 @ 15	-	13
15 Min. Auto. Gov. Check-RPM @ PSI	-	2236 @ 15	-	-	2051 @ 15	-	14
16 RS Gov. Setting-PSI @ RPM	-	15 @ 2090 - 2223	-	-	15 @ 1870 - 1989	-	15
17 Low RS Gov. Setting-RPM	-	1900 -	-	-	1700 -	-	16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2574 @ 15	-	2457 @ 15	2457 @ 15	-	2457 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2324 @ 15	-	2236 @ 15	2245 @ 15	-	2236 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.	-	-	-	-	-	-	21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 300	@ 700 - 300	@ 700 - 300	@ 700 - 300	@ 700 - 300	@ 700 - 305	23
25 Calibration PSI @ RPM	167 @ 2200	178 @ 2100	178 @ 2100	196 @ 2100	175 @ 1900	178 @ 2100	24
26 Calibration Flow	396	406	406	427	400	405	25
27 Check Point (1) PSI @ RPM	129 - 135 @ 1300	128 - 134 @ 1300	130 - 136 @ 1300	130 - 136 @ 1300	130 - 136 @ 1300	109 - 115 @ 1300	26
28 Check Point (1) Flow	348	340	350	345	345	320	27
29 Check Point (2) PSI @ RPM	-	-	-	-	-	-	28
30 Check Point (2) Flow	-	-	-	-	-	-	29
31 Check Point (3) PSI @ RPM	-	-	-	-	-	-	30
32 Check Point (3) Flow	-	-	-	-	-	-	31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	32
34 Idle Plunger Code - Part No.	15 - 139894	17 - 140417	20 - 141629	17 - 140417	17 - 140417	27 - 141632	33
35 Fuel Pump Housing	-	-	-	-	-	-	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3004755 - .000	3001147 - .000	3004756 - .000	143252 - .000	143253 - .000	153236 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3053174 - .120 - .620	3002057 - .045 - .645	3002049 - .040 - .690	3002047 - .060 - .710	3002055 - .010 - .605	139584 - .050 - .700	40
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109687 - .000	109686 - .000	109687 - .000	70821 - .000	109687 - .000	41
43 VS Gov. Idle Spring	70778	70778	70778	70778	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	-	-	-	-	-	-	46
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	47
49 AFC RPM - PSI	1600 - 22	1600 - 22	1600 - 22	1600 - 22	1600 - 22	1600 - 22	48
50 AFC Flow - pph	130	130	130	130	130	130	49
51 AFC Spring - Gage Height-In.	3000592 -	3000592 -	3000592 -	3000592 -	3000592 -	3000592 -	50
52 AFC Bias Spring	-	-	-	-	-	-	51
53 AFC No Air RPM - PSI	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	52
54 AFC No Air Flow	239	238	234	234	234	234	53
55 ASA Valve	-	-	-	-	-	-	54
56 TMD Set with ST589 - Shims	-	-	-	-	-	-	55
57 TMD Spring	-	-	-	-	-	-	56
58 TMD Plunger	-	-	-	-	-	-	57
59 EFC Assembly	-	-	-	-	-	-	58
60 PT Pacer Assembly	-	-	-	-	-	-	59
61 Fuel Line Check Valve	-	-	-	-	-	-	60
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	61
63 Certified Year/Agency	1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA	62
64 Certified Year/Agency	-	-	-	-	-	-	63
65 Certified Year/Agency	-	-	-	-	-	-	64
66 Engine Model	L10	L10	L10	L10	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESS GEAR PUMP REQUIRED. VS IDLE SETTING = 300 CC/MIN @ 700 RPM. MIN GOV CH PT @ 15 PSI = 2324 RPM. USE FUEL PUMP HSG 3821589. TORQUE SPRING GAGE SETTING = .620". VS THROTTLE TRAVEL = 19 +/- 2 DEGREES; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. THIS CODE IS SUPERCEDED BY X858 FOR;
- (2) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3821589. MIN GOV CH PT @ 15 PSI = 2236 RPM. TOR SPRING GAGE SETTING = .645". ROADSPEED TO BE SET @ 1900 RPM. ROADSPEED GOV CH PT @ 15 PSI = 2090-2223 RPM REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. THIS CODE SUPERCEDED BY X851 FOR LOBC CHANGE
- (3) MIN GOV. CH PT @ 15 PSI = 2236 RPM. PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3821589. TOR SPRING GAGE SETTING = .690". VS IDLE SETTING 300 CC/MIN @ 700 RPM. VS THROTTLE TRAVEL = 18 +/- 2 DEGREES; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. THIS CODE SUPERCEDED BY X852 FOR LOBC CHANGE
- (4) PRESS GEAR PUMP REQUIRED. TOR SPRING GAGE SETTING = .710". MIN GOV CH PT @ 15 PSI = 2245 RPM. VS IDLE SETTING = 300 CC/MIN @ 700 RPM. RESTRICTED TO FIRETRUCK APPLICATION ONLY. RESTRICTED TO 7,500 FOOT ALTITUDE LIMIT. USE FUEL PUMP HSG P/N 3821589. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (5) PRESS GEAR PUMP REQUIRED. TORQUE SPRING GAGE SETTING = .605". MIN GOV CH PT @ 15 PSI = 2051 RPM. ROADSPEED GOV TO BE SET @ 1700 RPM. ROADSPEED GOV CH PT @ 15 PSI = 1870-1989 RPM USE FUEL PUMP HSG P/N 3821589. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (6) PRESSURIZED GEAR PUMP REQUIRED. TORQUE SPRING GAGE SETTING = .700". USE FUEL PUMP HOUSING P/N 3821589; MIN GOVERNOR CHECK POINT @ 15PSI = 2236 RPM'S VS IDLE = 300 CC/MIN @ 700 RPM'S; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. THIS CODE IS SUPERCEDED BY X853 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X720-A - X725-A

1 Pump Code	X720-A	X721-A	X722-A	X723-A	X724-A	X725-A	
2 Date - Control Parts List	JUL92 - 1224	JUL92 - 1224	JUL92 - 1224	JUL92 - 1224	JUN92 - 1224	SEP92 - 1225	1
3 Test HP @ RPM	235 - 245 @ 2100	265 - 275 @ 1900	245 - 255 @ 2200	235 - 245 @ 1900	265 - 275 @ 1900	279 - 291 @ 2200	2
4 Governed Speed-RPM	2100	1900	2200	1900	1900	2200	3
5 Engine Fuel PSI	130 - 144	148 - 164	138 - 152	122 - 134	147 - 163	174 - 192	4
6 Fuel Rate Pound Per Hour	79 - 83	86 - 89	84 - 88	77 - 81	86 - 90	96 - 100	5
7 Intake Manifold Press. In./Hg	36 - 44	39 - 47	39 - 47	34 - 42	39 - 47	47 - 57	6
8 Torque Rise % - Curve	50 - NONE	15 - NONE	51 - NONE	29 - NONE	15 - NONE	50 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2230 - 2250	2030 - 2050	2300 - 2350	2030 - 2050	1930 - 1950	2330 - 2350	10
12 VS/Sec. Gov. Setting-RPM	2130 - 2150	1930 - 1950	2230 - 2250	1930 - 1950	2030 - 2050	2230 - 2250	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI					2223 @ 15		13
15 Min. Auto. Gov. Check-RPM @ PSI					2035 @ 15		14
16 RS Gov. Setting-PSI @ RPM					15 @ 1870 - 1989		15
17 Low RS Gov. Setting-RPM					1700 -		16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2223 @ 15	2574 @ 15	2223 @ 15		2574 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2209 @ 15	2036 @ 15	2309 @ 15	2021 @ 15		2324 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, 18 -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 300	@ 700 - 300	@ 700 - 33	@ 700 - 300	@ 700 - 300	@ 700 - 300	23
25 Calibration PSI @ RPM	123 @ 1300	156 @ 1900	149 @ 2200	132 @ 1900	155 @ 1900	151 @ 1300	24
26 Calibration Flow	326	377	372	345	375	360	25
27 Check Point (1) PSI @ RPM	134 - 140 @ 2100	111 - 117 @ 1300	120 - 126 @ 1300	112 - 118 @ 1300	111 - 117 @ 1300	181 - 185 @ 2200	26
28 Check Point (1) Flow	350	315	338	320	320	400	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	32
34 Idle Plunger Code - Part No.	22 - 141630	25 - 141631	17 - 140417	27 - 141632	25 - 141631	12 - 141626	33
35 Fuel Pump Housing	3821589						34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3053106 - .000	143253 - .000	3053101 - .000	3053106 - .000	153238 - .000	3004755 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3053173 - .110 - .610	138782 - .030 - .680	3053178 - .120 - .620	3053173 - .085 - .585	3002055 - .000 - .600	3035817 - .040 - .690	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109687 - .000	70821 - .000	109686 - .000	109687 - .000	41
43 VS Gov. Idle Spring	70778	70778	70778	70778	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3031298						46
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	8 - 3.9	6 - 2.9	47
49 AFC RPM - PSI	1600 - 76	1600 - 76	1600 - 76	1600 - 76	1600 - 76	1500 - 29	48
50 AFC Flow - pph	256	256	256	256	256	155	49
51 AFC Spring - Gage Height-In.	179822 -	179822 -	179822 -	179822 -	179822 -	3007696 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 70	52
54 AFC No Air Flow	238	238	238	238	234	240	53
55 ASA Valve						3020760	54
56 TMD Set with ST589 - Shims						.065 - .120	55
57 TMD Spring						70691	56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	1988 CARB	61
63 Certified Year/Agency	1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA	1991 EPA	62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	L10	L10	L10	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESS GEAR PUMP REQUIRED. VS IDLE = 300 CC/MIN @ 700 RPM. MIN GOV CH PT @ 15 PSI = 2209 RPM. USE FUEL PUMP HSG P/N 3821589. USE TMD PLUNGER #204 P/N 3003150. TMD REGULATOR P/N 186997 ST 589 SET @ .025" (.180" SHIMS). TOR SPRING GAGE SETTING @ .610". VS THROTTLE TRAVEL = 18 +/-2 DEGREES; CODE SUPERCEDED BY X849 FOR LOBC CHANGE;
- (2) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2036 RPM. TOR SHIM GAGE SETTING = .680". USE FUEL PUMP HSG P/N 3821589. THIS CODE IS SUPERCEDED BY X855 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (3) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3821589. MIN GOV CH PT @ 15 PSI = 2309 RPM. TOR SPRING GAGE SETTING = .620". VS IDLE SETTING = 300 CC/MIN @ 700 RPM. VS THROTTLE TRAVEL = +/-2 DEGREES; THIS CODE IS SUPERCEDED BY X850 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (4) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2021 RPM. TOR SPRING GAGE SETTING = .585". USE FUEL PUMP HSG P/N 3821589. VS IDLE SETTING = 300 CC/MIN @ 700 RPM; VS THROTTLE TRAVEL = 20 +/-2 DEGREES; THIS CODE IS SUPERCEDED BY X847 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (5) PRESSURIZED GEAR PUMP REQUIRED; TORQUE SPRING GAGE SETTING = .600"; USE FUEL PUMP HOUSING P/N 3821589; USE .060" SHIMS ON THE VS GOV SPRING; MIN GOV CHECK POINT @ 15 PSI = 2035 RPM'S; ROADSPEED GOV CHECK PT @ 15 PSI = 1870-1989. ROADSPEED GOV TO BE SET @ 1700 RPM'S; THIS CODE IS SUPERCEDED BY X856 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (6) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2324 RPM. USE FUEL PUMP HOUSING P/N 3821589. USE TMD PLUNGER #204 P/N 3003150 AND TMD SPRING P/N 70691 ST 589 SETTING @ .065" (TMD SHIMS = .120"). .025" ASA REQUIRED P/N 3020760. VENTED AFC PLUNGER REQUIRED P/N 3020739. TOR SPRING GAGE SETTING = .690". VS THROTTLE TRAVEL = 17 +/-2 DEGREES;

1 Pump Code	X726-C	X727-A	X728-B	X729-A	X730-B	X731-A	1
2 Date - Control Parts List	SEP92 - 1226	NOV91 - 1226	DEC90 - 1226	JAN92 - 0894	JAN92 - 0894	SEP92 - 1346	2
3 Test HP @ RPM	235 - 245 @ 2100	265 - 275 @ 2100	265 - 275 @ 2100	304 - 316 @ 2100	309 - 321 @ 1800	294 - 306 @ 1800	3
4 Governed Speed-RPM	2100	2100				1800	4
5 Engine Fuel PSI	134 - 148	156 - 172	156 - 172	139 - 153	138 - 153	165 - 183	5
6 Fuel Rate Pound Per Hour	81 - 85	90 - 94	90 - 94	101 - 106	99 - 103	93 - 97	6
7 Intake Manifold Press. In./Hg	40 - 48	45 - 55	45 - 55	44 - 52	44 - 52	39 - 47	7
8 Torque Rise % - Curve	45 - NONE	27 - NONE	27 - NONE	30 - NONE	6 - NONE	9 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300		- @ 1300	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2230 - 2250	2230 - 2250	2130 - 2150	2230 - 2250	1930 - 1950	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2200 - 2250	2130 - 2150	1830 - 1850	1839 - 1850	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI			2457 @ 15			2190 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI			2223 @ 15			2040 @ 15	15
16 RS Gov. Setting-PSI @ RPM			@ 1050 - 1150				16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15		2457 @ 15	2106 @ 15	2106 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2209 @ 15	2223 @ 15		2457 @ 15	1980 @ 15	1959 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 740	300 @ 700	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 300	@ 713 - 300				@ 700 - 300	24
25 Calibration PSI @ RPM	141 @ 2100	164 @ 2100	164 @ 2100	146 @ 2100	145 @ 1800	175 @ 1800	25
26 Calibration Flow	360	390	390	458	462	400	26
27 Check Point (1) PSI @ RPM	116 - 122 @ 1300	115 - 121 @ 1300	115 - 121 @ 1300	111 - 117 @ 1300	97 - 103 @ 1300	128 - 134 @ 1300	27
28 Check Point (1) Flow	330	328	335	410	380	347	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.750 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141629	25 - 141631	25 - 141631	20 - 141629	30 - 141633	17 - 140417	34
35 Fuel Pump Housing							35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3053101 - .140	3001147 - .000	3001147 - .000	3004755 - .000	3001155 - .000	143253 - .125	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053171 - .135 - .635	3002048 - .035 - .685	3002049 - .005 - .655	3035816 - .025 -	142697 - .030 - .670	138780 - .030 - .680	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109687 - .000	109687 - .000	109686 - .000	109686 - .000	109686 - .000	42
43 VS Gov. Idle Spring	70778	70778		70778	70778	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	48
49 AFC RPM - PSI	1600 - 36	1600 - 36	1600 - 36	1600 - 29	1600 - 29	1600 - 22	49
50 AFC Flow - pph	174	174	174	178	178	130	50
51 AFC Spring - Gage Height-In.	179828 -	179828 -	179828 -	179826 -	179826 -	3000592 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 73	1600 - 73	1600 - 73	1600 - 58	1600 - 58	1600 - 68	53
54 AFC No Air Flow	247	247	247	273	273	234	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1988 CARB	1988 CARB	1988 CARB			1988 CARB	62
63 Certified Year/Agency	1991 EPA	1991 EPA				1991 EPA	63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10	L10	L10	L10	L10		66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) MIN GOV CH PT @ 15 PSI = 2209 RPM. USE VENTED AFC PLUNGER P/N 3020739. USE .040" ASA P/N 3042360. PRESS GEAR PUMP REQUIRED. TORQUE SPRING GAGE SETTING TO BE .635"; VS IDLE SETTING @ 300 CC/MIN @ 700 RPM. USE FUEL PUMP HSG P/N 3821589. VS THROTTLE TRAVEL = 16 +/- 2 DEGREES;
- (2) .040" ASA REQUIRED P/N 3042360. VENTED AFC PLUNGER REQUIRED P/N 3020739. PRESS GEAR PUMP REQUIRED. TOR SPRING GAGE SETTING = .685". USE FUEL PUMP HOUSING P/N 3821589. VS IDLE SETTING @ 300 CC/MIN @ 700 RPM. MIN GOV CH PT @ 15 PSI = 2223 RPM. VS THROTTLE TRAVEL = 16 +/- 2 DEGREES;
- (3) PRESSURIZED GEAR PUMP REQUIRED. .040" ASA REQUIRED P/N 3042360. VENTED AFC PLUNGER REQUIRED P/N 3020739. TORQUE SHIM GAGE SETTING = .655". USE FUEL PUMP HOUSING P/N 3821589. SET THE ROADSPEED GOVERNOR TO 125 CC/MIN @ 1200 RPM'S WITH THE THROTTLE OPEN AND AND THE AIR OFF. USE .010" SHIM ON THE VS GOVERNOR SPG;
- (4) PRESS GEAR PUMP REQUIRED. MIN GOV CH POINT @ 15 PSI = 2241 RPM'S; USE FUEL PUMP HOUSING P/N 3821589; TORQUE SPRING GAGE SETTING = .676"; VS IDLE SETTING = 300 CC/MIN @ 700 RPM.
- (5) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3821589. MIN GOV CH PT @ 15 PSI = 1980 RPM. TORQUE SPRING GAGE SETTING = .670"; VS IDLE SETTING = 145 CC/MIN @ 1500RPM'S;
- (6) PRESSURIZED GEAR PUMP REQUIRED. MIN. GOV CHECK POINT @ 15 PSI = 1959 RPM'S; TORQUE SPRING GAGE SETTING = .680"; USE FUEL PUMP HOUSING P/N 3821589; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X732-E - X738-B

1 Pump Code	X732-E	X734-A	X735-A	X736-A	X737-A	X738-B	1
2 Date - Control Parts List	JAN92 - 0894	JUN92 - 1346	JAN92 - 0775	AUG92 - 0774	SEP92 - 1346	DEC90 - 1346	2
3 Test HP @ RPM	289 - 301 @ 2000	279 - 291 @ 2200	265 - 275 @ 2100	294 - 306 @ 2100	294 - 306 @ 2100	294 - 306 @ 1900	3
4 Governed Speed-RPM		2200			2100		4
5 Engine Fuel PSI	122 - 134	159 - 175	153 - 169	163 - 181	169 - 187	166 - 184	5
6 Fuel Rate Pound Per Hour	98 - 102	94 - 98	87 - 92	97 - 101	97 - 101	95 - 99	6
7 Intake Manifold Press. In./Hg	43 - 51	40 - 48	36 - 44	40 - 48	42 - 50	41 - 49	7
8 Torque Rise % - Curve	13 - NONE	26 - NONE	29 - NONE	15 - NONE	4 - NONE	15 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1400	- @ 1300			- @ 1300	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	2330 - 2350	2230 - 2250	2130 - 2150	2230 - 2250	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM	2030 - 2050	2232 - 2250	2130 - 2150	2230 - 2250	2130 - 2150	2320 - 2380	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2500 @ 15	2600 @ 15		2457 @ 15			14
15 Min. Auto. Gov. Check-RPM @ PSI	2360 @ 15	2480 @ 15					15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2290 @ 15	2574 @ 15	2457 @ 15		2457 @ 15	2223 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2140 @ 15	2324 @ 15	2457 @ 15		2236 @ 15	2223 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, 23 -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.			15 @ 2457				22
23 Idle Speed cc @ RPM-Auto.	300 @ 880	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 750 - 300	@ 700 - 33			@ 700 - 300		24
25 Calibration PSI @ RPM	128 @ 2000	167 @ 2200	161 @ 2100	172 @ 2100	178 @ 2100	175 @ 1900	25
26 Calibration Flow	463	396	376	415	405	400	26
27 Check Point (1) PSI @ RPM	92 - 98 @ 1400	110 - 116 @ 1300	121 - 127 @ 1300	110 - 116 @ 1300	94 - 100 @ 1300	131 - 137 @ 1300	27
28 Check Point (1) Flow	385	325	318	335	295	340	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.780 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	37 - 140418	27 - 141632	20 - 141629	27 - 141632	35 - 140922	12 - 141626	34
35 Fuel Pump Housing	3821589						35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153236 - .100	143252 - .090	3000935 - .000	143252 - .000	147295 - .000	153238 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040760	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053160 - .098 - .598	3002050 - .040 - .690	3002051 - .030 -	138784 - .030 -	138780 - .000 - .650	3002053 - .010 -	41
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000	109688 - .000	109687 - .000	109686 - .000	109686 - .000	109690 - .000	42
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	164335	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	3278180	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly	3031298						47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9		10 - 4.9	6 - 2.9	6 - 2.9	48
49 AFC RPM - PSI	1600 - 23	1600 - 22		1600 - 68	1600 - 30	1600 - 22	49
50 AFC Flow - pph	172	130		252	150	130	50
51 AFC Spring - Gage Height-In.	179826 -	3000592 -		179828 -	179830 -	3000592 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI	1600 - 55	1600 - 68		1600 - 70	1600 - 68	1600 - 68	53
54 AFC No Air Flow	285	234		249	238	234	54
55 ASA Valve							55
56 TMD Set with S1589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency		1988 CARB		1989 EPA	1989 CARB	1988 CARB	62
63 Certified Year/Agency		1991 EPA			1991 EPA		63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10	L10	L10	L-10	L-10	L10	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG 3821589. MIN GOV CH PT @ 15 PSI = 2140 RPM/S; TORQUE SPRING GAGE SETTING = .598"; VS IDLE SETTING TO BE 300 CC/MIN @ 750 RPM'S VS THROTTLE TRAVEL TO BE 23 +/-2 DEGREES;
- (2) PRESS GEAR PUMP REQUIRED. VS IDLE SETTING = 300 CC/MIN @ 700 RPM. MIN GOV CH PT @ 15 PSI = 2324 RPM. USE FUEL PUMP HSG 3821589. TORQUE SPRING GAGE SETTING = .690"; VS THROTTLE TRAVEL = 20 +/-2 DEGREES; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. THIS CODE IS SUPERCEDED BY X859 FOR;
- (3) PRESS GEAR PUMP REQUIRED. TOR SPRING GAGE SETTING = .680". USE FUEL PUMP HSG P/N 3821589. MIN GOV CH PT @ 15 PSI = 2223 RPM. VS IDLE TO BE SET AT 320 CC/MIN @ 700RPM'S;
- (4) PRESSURIZED GEAR PUMP REQUIRED; TORQUE SPRING GAGE SETTING = .680"; MIN GOV SPEED @ 15PSI CH PT = 2236 RPM. USE FUEL PUMP HOUSING P/N 3821589; ROADSPEED GOV 15PSI CK PT = 2090-2223 RPM; ROADSPEED GOVERNOR TO BE SET @ 1900 RPM; USE .100" SHIMS ON THE VS GOV SPRING;
- (5) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2236 RPM. USE FUEL PUMP HOUSING P/N 3821589; TORQUE SPRING GAGE SETTING = .650"; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (6) FP HSG #3068023; TORQ SPG GAGE SET'G = .610"; MIN GOVERNOR CHECK POINT @ 15 PSI = 2051 PRM SET VS THROTTLE LEAKAGE AT 1750 RPM TO 15PSI USING .045" SHIMS (P/N 153379-153361) WHILE AUTO THROTTLE IS OPEN; THEN SET VS IDL SCW 1/2 TURN BACKOUT FROM 15PSI LEAKAGE SET; THIS CODE IS FOR CAROLINE FRT CARBON FIX; COMPCURRISE MOUNTED ON THE VS THROTTLE SHAFT REQUIRES STELLITE VALVES. CPL CHANGED TO 134

1 Pump Code	X739-A	X740-B	X741-A	X742-B	X743-A	X744-A	
2 Date - Control Parts List	JAN92 - 0958	JUN92 - 0894	DEC89 - 0774	JAN92 - 0776	MAR89 - 0776	MAY90 - 0774	1
3 Test HP @ RPM	284 - 296 @ 2100	309 - 321 @ 1800	294 - 306 @ 2100	221 - 230 @ 2100	235 - 245 @ 2100	265 - 275 @ 2100	2
4 Governed Speed-RPM		1800					3
5 Engine Fuel PSI	162 - 179	148 - 164	163 - 181	119 - 132	136 - 150	149 - 166	4
6 Fuel Rate Pound Per Hour	93 - 97	100 - 104	97 - 101	76 - 79	81 - 85	89 - 93	5
7 Intake Manifold Press. In./Hg	42 - 50	43 - 51	40 - 48	28 - 36	36 - 44	36 - 44	6
8 Torque Rise 96 - Curve	20 - NONE	6 - NONE	15 - NONE	20 - NONE	30 - NONE	27 - NONE	7
9 Torque Peak - PSI @ RPM		- @ 1300					8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2230 - 2250	1930 - 1950	2230 - 2250	2195 - 2215	2230 - 2250	2230 - 2250	10
12 VS/Sec. Gov. Setting-RPM	2130 - 2150	1830 - 1850	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI		2210 @ 15					13
15 Min. Auto. Gov. Check-RPM @ PSI		2090 @ 15					14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2090 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	1970 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	18
20 Throttle Leakage-cc - pph	110 -	10 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 713	300 @ 625	165 @ 750	180 @ 1100	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc		@ 1100 - 180					23
25 Calibration PSI @ RPM	170 @ 2100	156 @ 1800	172 @ 2100	126 @ 2100	143 @ 2100	157 @ 2100	24
26 Calibration Flow	400	465	415	330	350	390	25
27 Check Point (1) PSI @ RPM	114 - 120 @ 1300	109 - 115 @ 1300	110 - 116 @ 1300	79 - 85 @ 1300	107 - 113 @ 1300	125 - 133 @ 1400	26
28 Check Point (1) Flow	320	385	335	256	310	350	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.800 - 143854	.775 - 143854	.775 - 143854	32
34 Idle Plunger Code - Part No.	25 - 141631	22 - 141630	27 - 141632	47 - 140924	27 - 141632	22 - 141630	33
35 Fuel Pump Housing		3057808		3035694			34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	153237 - .140	143252 - .000	143252 - .000	3004753 - .000	3004753 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3010810	3040750	3040760	3010810	3040750	3010810	39
41 Torque Spring - Shims - Gage Height	3002049 - .015	138796 - .035 - .585	139584 - .030	139584 - .040	3002052 - .000	3035816 - .000	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	3069724 - .000	109686 - .000	109687 - .000	70821 - .000	109687 - .000	41
43 VS Gov. Idle Spring	153240	153240	153240	70778	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly		3041494					46
48 AFC in./Hg - PSI	8 - 3.9	6 - 2.9	10 - 4.9			10 - 4.9	47
49 AFC RPM - PSI	1600 - 44	1600 - 29	1600 - 68			1600 - 71	48
50 AFC Flow - pph	178	178	252			244	49
51 AFC Spring - Gage Height-In.	179826	179826	179828			179828	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 80	1600 - 58	1600 - 70			1600 - 69	52
54 AFC No Air Flow	254	273	249			242	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve		FS 2001					60
62 Certified Year/Agency			1989 EPA			1989 EPA	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L-10	L-10	L-10	L-10	L-10	L-10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESS GEAR PUMP REQUIRED MIN GOV SPEED @ 15 PSI CH PT = 2232 RPMs. USE FUEL PUMP HOUSING P/N= 3821589; USE TORQUE SPRING GAGE SETTING .660"; VS IDLE SETTING = 300 CC/MIN @ 700 RPM'S;
- (2) PRESS GEAR PUMP REQUIRED.
- (3) PRESSURIZED GEAR PUMP REQUIRED; TORQUE SPRING GAGE SETTING = .685"; MIN GOV SPEED @ 15PSI CH PT = 2236 RPM. USE FUEL PUMP HOUSING P/N 3057808; CLASS FIT AFC REQUIRED; VS IDLE SPEED SETTING = 180 CC/MIN @ 1100 RPMs
- (4) VS IDLE SETTING TO BE 180 CC/MIN @ 1100 RPMs MIN GOV CH PT @ 15 PSI = 2202 RPMs; PRESSURIZED GEAR PUMP REQUIRED; USE 3035694 FUEL PUMP HSG
- (5) PRESSURIZED GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3821589; SET VS IDLE TO 180 CC/MIN @ 1100 RPMs; MIN GOV SPEED @ 15PSI = 2209 RPMs; TORQUE SPRING GAGE SETTING = .667";
- (6) VS IDLE SETTING 200 CC/MIN @ 750 RPM MIN GOV CK PT @ 15 PSI = 2223 RPMs; PRESS GEAR PUMP REQUIRED USE FUEL PUMP HOUSING P/N 3057808; CLASS FIT AFC REQUIRED; VS THROTTLE TRAVEL = 17 +/-2 DEGREES;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X745-A - X751-A

1 Pump Code	X745-A	X746-A	X747-B	X749-A	X750-A	X751-A	
2 Date - Control Parts List	JUN91 - 1226	DEC89 - 0774	JAN92 - 0958	JAN92 - 0776	DEC89 - 0777	JAN92 - 0894	1
3 Test HP @ RPM	235 - 245 @ 2100	265 - 275 @ 2100	270 - 280 @ 1800	230 - 240 @ 1800	235 - 245 @ 2100	343 - 357 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	134 - 148	140 - 154	148 - 164	123 - 135	132 - 146	170 - 188	4
6 Fuel Rate Pound Per Hour	81 - 85	89 - 93	87 - 91	78 - 82	80 - 84	112 - 117	5
7 Intake Manifold Press. In./Hg	40 - 48	35 - 43	36 - 44	31 - 39	35 - 41	51 - 61	6
8 Torque Rise % - Curve	25 - NONE	27 - NONE	8 - NONE	9 - NONE	45 - NONE	11 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300						8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150	1890 - 1910	1930 - 1950	2230 - 2250	2230 - 2250	10
12 VS/Sec. Gov. Setting-RPM	2230 - 2250	2200 - 2250	1830 - 1850	1830 - 1850	2130 - 2150	2130 - 2150	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15					13
15 Min. Auto. Gov. Check-RPM @ PSI	2209 @ 15						14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2106 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2106 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	141 @ 2100	147 @ 2100	161 @ 1800	129 @ 1800	139 @ 2100	180 @ 2100	24
26 Calibration Flow	360	385	375	340	350	505	25
27 Check Point (1) PSI @ RPM	93 - 99 @ 1300	118 - 124 @ 1400	119 - 125 @ 1300	94 - 100 @ 1300	117 - 123 @ 1300	104 - 110 @ 1300	26
28 Check Point (1) Flow	295	350	324	292	325	390	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143855	.800 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	32
34 Idle Plunger Code - Part No.	35 - 140922	27 - 141632	22 - 141630	35 - 140922	17 - 140417	30 - 141633	33
35 Fuel Pump Housing							34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143253 - .000	3053102 - .000	143253 - .000	153237 - .000	3053101 - .000	3001158 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3002048 - .017 - .667	3002050 - .005 -	138780 - .000 -	138792 - .015 -	3053174 - .100 -	138783 - .025 -	40
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109687 - .000	109686 - .000	70821 - .000	109686 - .000	70822 - .000	41
43 VS Gov. Idle Spring			153240	70778	70778	153240	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve		212148	212148	212148	212148		45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI	6 - 2.9	10 - 4.9	8 - 3.9		12 - 5.8	6 - 2.9	47
49 AFC RPM - PSI	1600 - 36	1600 - 71	1600 - 44		1600 - 66	1600 - 29	48
50 AFC Flow - pph	174	244	178		242	178	49
51 AFC Spring - Gage Height-In.	179828 -	179828 -	179826 -		179830 -	179826 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 73	1600 - 69	1600 - 80		1600 - 71	1600 - 58	52
54 AFC No Air Flow	247	242	254		242	273	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1989 CARB	1989 EPA			1989 EPA		61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	L-10	L10	L10	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) SET ROADSPEED GOV TO 125 CC/MIN @ 1200 RPMs WITH THE THROTTLE OPEN AND THE AIR OFF; TORQUE SPRING GAGE SETTING = .667"; USE FUEL PUMP HOUSING P/N 3821589; USE .040" ASA P/N 3042360. USE VENTED AFC PLUNGER P/N 3020739. USE .010" SHIMS ON THE VS GOV SPRING; MIN GOV CH PT @ 15 PSI = 2209 RPMs; PRESSURIZED GEAR PUMP REQUIRED;
- (2) MIN GOVERNOR CHECK POINT @ 15 PSI = 2223 RPMs PRESS GEAR PUMP REQUIRED USE .010" SHIMS ON THE ROADSPEED GOV SPRING; SET ROADSPEED AT 125 CC/MIN AT 1200 RPM WITH THE THROTTLE OPEN AND THE ROADSPEED AIR OFF; TORQUE GAGE SETTING = .653"; USE FUEL PUMP HOUSING P/N 3821589;
- (3) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CHECK POINT @ 15 PSI = 1946 RPM. VS IDLE SETTING = 300 CC/MIN @ 1025 RPM'S; USE FUEL PUMP HOUSING P/N 3821589. VS THROTTLE TRAVEL = 15 +/- 2 DEGREES;
- (4) PRESSURIZED GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3038668; SET VS IDLE TO 300 CC/MIN @ 700 RPM'S; TORQUE SPRING GAGE SETTING = .615";
- (5) MIN GOV CH PT @ 15 PSI = 2209 RPM. CLASS FIT AFC REQUIRED; PRESS GEAR PUMP REQUIRED. TORQUE SPRING GAGE SETTING = .608"; VS IDLE SETTING @ 300 CC/MIN @ 700 RPM. USE FUEL PUMP HSG P/N 3057808;
- (6) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3057808; MIN GOV CH PT @ 15 PSI = 2259 RPMs; CLASSFIT AFC REQUIRED; TORQUE SPRING GAGE SETTING = .665"; VS IDLE TO BE SET AT 300 CC/MIN @ 700 RPMs;

1 Pump Code	X752-A	X753-A	X754-B	X755-B	X756-A	X757-A	
2 Date - Control Parts List	JAN92 - 0776	AUG89 - 0776	JAN92 - 0958	JAN92 - 0894	JUL90 - 1234	JUN92 - 1223	1
3 Test HP @ RPM	196 - 204 @ 1800	225 - 231 @ 2100	284 - 296 @ 2100	300 - 306 @ 2100	284 - 296 @ 2100	265 - 275 @ 2100	2
4 Governed Speed-RPM					2100	2100	3
5 Engine Fuel PSI	98 - 108	128 - 142	162 - 179	139 - 153	173 - 191	145 - 161	4
6 Fuel Rate Pound Per Hour	67 - 70	76 - 80	93 - 97	99 - 102	95 - 99	87 - 91	5
7 Intake Manifold Press. In./Hg	26 - 32	32 - 40	39 - 47	44 - 52	46 - 56	36 - 44	6
8 Torque Rise % - Curve	10 - NONE	30 - NONE	20 - NONE	37 - NONE	31 - NONE	27 - NONE	7
9 Torque Peak - PSI @ RPM				- @ 1400	- @ 1300		8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	2230 - 2250	2230 - 2250	2220 - 2240	2230 - 2250	2230 - 2250	10
12 VS/Sec. Gov. Setting-RPM	1830 - 1850	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI					2620 @ 15		13
15 Min. Auto. Gov. Check-RPM @ PSI					2464 @ 15		14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2457 @ 15	2236 @ 15	2231 @ 15	2457 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, 21 -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 910	300 @ 700	300 @ 700	300 @ 800	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc				@ 875 - 300	@ 910 - 300		23
25 Calibration PSI @ RPM	103 @ 1800	133 @ 2100	176 @ 2100	126 @ 1400	132 @ 1300	157 @ 2100	24
26 Calibration Flow	295	335	400	421	340	380	25
27 Check Point (1) PSI @ RPM	74 - 80 @ 1300	96 - 102 @ 1300	121 - 127 @ 1300	143 - 149 @ 2100	179 - 185 @ 2100	114 - 120 @ 1300	26
28 Check Point (1) Flow	250	290	325	450	400	325	27
29 Check Point (2) PSI @ RPM	45 - 57 @ 1000						28
30 Check Point (2) Flow	198						29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.785 - 143854	.775 - 143854	32
34 Idle Plunger Code - Part No.	50 - 140925	35 - 140922	25 - 141631	7 - 141624	20 - 141629	25 - 141631	33
35 Fuel Pump Housing				3057808	3821589		34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	3001147 - .000	143253 - .000	3053111 - .000	3001156 - .100	3001147 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	212350	3010810	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	138790 - .025 -	3821488 - .035 -	3002049 - .010 -	3053178 - .070 - .570	138783 - .035 - .685	3002050 - .030 -	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000 -	109686 - .000	109686 - .000	109687 - .000	70822 - .000	70822 - .000	41
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148		45
47 AFC Barrel & Plunger Assembly				3041494	3031298		46
48 AFC In./Hg - PSI			8 - 3.9	6 - 2.9	8 - 3.9	6 - 2.9	47
49 AFC RPM - PSI			1600 - 44	1600 - 29	1600 - 60	1600 - 22	48
50 AFC Flow - pph			178	178	228	130	49
51 AFC Spring - Gage Height-In.			179826 -	179826 -	179826 -	3000592 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI			1600 - 80	1600 - 58	1600 - 92	1600 - 68	52
54 AFC No Air Flow			254	273	272	234	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims					.085 - .135		55
57 TMD Spring				186997	70691		56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve				FS 2001			60
62 Certified Year/Agency						1989 CARB	61
63 Certified Year/Agency						1991 EPA	62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	L-10	L-10	L10	L-10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CHECK POINT @ 15 PSI = 1906 RPMs. VS IDLE SETTING = 300 CC/MIN @ 700 RPMs; TORQUE SPRING GAGE SETTING = .615"; USE FUEL PUMP HOUSING P/N 3821589;
- (2) PRESS GEAR PUMP REQUIRED MIN GOV CH PT @ 15 PSI 2202 RPM USE FUEL PUMP HOUSING 3821589; VS IDLE SETTING = 300 CC/MIN @ 910 RPMs;
- (3) PRESS GEAR PUMP REQUIRED MIN GOV SPEED @ 15 PSI CH PT = 2232 RPMs. USE FUEL PUMP HOUSING P/N 3057808; USE TORQUE SPRING GAGE SETTING .660"; VS IDLE SETTING = 300 CC/MIN @ 700 RPM'S; CLASSFIT AFC REQUIRED;
- (4) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3057808; MIN GOV CH PT @ 15 PSI = 2236 RPM. TORQUE SPRING GAGE SETTINGS = .570"; VS IDLE TO BE SET TO 300 CC/MIN @ 875 RPMs; USE TMD PLUNGER 204 P/N 3003150; TMD SPG P/N 186997, ST589 SET = .057" (.200" SHIM VS THROTTLE TRAVEL = 21 +/- 2 DEGREES;
- (5) RESTRICTED TO KOMATSU WA470 FRONTEND LOADER; MIN GOV SPEED @ 15 PSI CH PT = 2232 RPMs. USE FUEL PUMP HOUSING P/N 3821589; TORQUE SPRING GAGE SETTING = .685"; VS IDLE SETTING = 300 CC/MIN @ 910 RPM'S; TMD PLUNGER P/N 3003150 #204 WITH SPRING P/N 70691, ST589 SETTING OF .085" (.135" SHIM) VS THROTTLE TRAVEL = 16 +/- 2 DEGREES; RESTRICTED TO 9850 FT ALTITUDE;
- (6) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HGS P/N 3821589; TORQUE SPRING GAGE SETTING = .680"; MIN GOV CH PT @ 15 PSI = 2223 RPM'S; VS THROTTLE TRAVEL = 16 +/- 2 DEGREES; VS IDLE SETTING = 300 CC/MIN @ 700 RPMs; THIS CODE IS SUPERCEDED BY X860 FOR THE LOBC CAMSHAFT AND TIMING CHANGE;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X758-A - X763-D

1 Pump Code	X758-A	X759-B	X760-B	X761-A	X762-A	X763-D	
2 Date - Control Parts List	JAN92 - 0776	JAN92 - 0958	MAR93 - 0894	SEP92 - 1226	NOV91 - 1226	MAR93 - 0894	1
3 Test HP @ RPM	200 - 208 @ 1800	265 - 275 @ 2100	350 - 357 @ 2100	235 - 245 @ 2100	265 - 275 @ 2100	350 - 357 @ 2100	2
4 Governed Speed-RPM				2100	2100		3
5 Engine Fuel PSI	104 - 115	145 - 161	164 - 177	141 - 155	156 - 172	171 - 190	4
6 Fuel Rate Pound Per Hour	58 - 71	87 - 91	113 - 118	81 - 85	90 - 94	113 - 118	5
7 Intake Manifold Press. In./Hg	27 - 33	36 - 44	51 - 61	40 - 48	45 - 55	51 - 61	6
8 Torque Rise % - Curve	8 - NONE	29 - NONE	15 - NONE	45 - NONE	27 - NONE	15 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1880 - 1900	2230 - 2250	2230 - 2250	2230 - 2250	2230 - 2250	2230 - 2250	10
12 VS/Sec. Gov. Setting-RPM	1830 - 1850	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2160 @ 15	2574 @ 15	2500 @ 15	2457 @ 15	2457 @ 15	2574 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2040 @ 15	2395 @ 15	2380 @ 15	2209 @ 15	2223 @ 15	2380 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2394 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1908 @ 15	2223 @ 15	2261 @ 15	2457 @ 15	2457 @ 15	2261 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, 22 -	28, -	28, 21 -	28, 22 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 300	@ 875 - 300	@ 700 - 300	@ 700	@ 700	@ 700 - 300	23
25 Calibration PSI @ RPM	109 @ 1800	153 @ 2100	173 @ 2100	148 @ 2100	164 @ 2100	181 @ 2100	24
26 Calibration Flow	300	375	515	360	390	515	25
27 Check Point (1) PSI @ RPM	76 - 82 @ 1300	114 - 120 @ 1300	109 - 115 @ 1300	125 - 130 @ 1300	114 - 120 @ 1300	117 - 123 @ 1300	26
28 Check Point (1) Flow	250	325	405	323	325	405	27
29 Check Point (2) PSI @ RPM	45 - 57 @ 1000						28
30 Check Point (2) Flow	198						29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.800 - 143854	.780 - 143854	.775 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	52 - 139618	22 - 141630	25 - 141631	15 - 139894	25 - 141631	15 - 139894	33
35 Fuel Pump Housing	3821589	3821589	3821589	3069255	3883776	3057808	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153238 - .150	3004753 - .155	153236 - .160	3053101 - .150	3001147 - .140	153237 - .125	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	212350	3040760	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	138769 - .000 - .650	3035816 - .000 - .650	139584 - .020 - .670	3053171 - .120 - .620	3002048 - .035 - .685	3002048 - .012 - .682	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	70821 - .000	109687 - .000	109687 - .000	70821 - .000	109686 - .000	41
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3028347		3031298	3070591	3070591	3041494	46
48 AFC In./Hg - PSI		8 - 3.9	8 - 3.9			8 - 3.9	47
49 AFC RPM - PSI		1600 - 44	1600 - 29	1600 - 54	1600 - 54	1600 - 29	48
50 AFC Flow - pph		178	178	212	178	178	49
51 AFC Spring - Gage Height-In.		179826 -	179834 -	179824 - 1.320	179824 - .117	179834 -	50
52 AFC Bias Spring				3051069	3051069		51
53 AFC No Air RPM - PSI		1600 - 80	1600 - 58	1600 - 73	1600 - 73	1600 - 58	52
54 AFC No Air Flow		254	273	251	251	273	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve				FS 2005			60
62 Certified Year/Agency				1990 CARB	1990 CARB		61
63 Certified Year/Agency				1991 EPA	1991 EPA		62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	L-10	L10	L10	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CHECK POINT @ 15 PSI = 1906 RPMs. VS IDLE SETTING = 300CC/MIN @ 700 RPMs; TORQUE SPRING GAGE SETTING = .650"; USE FUEL PUMP HOUSING P/N 3821589;
- (2) PRESS GEAR PUMP REQUIRED MIN GOV SPEED @ 15 PSI CH PT = 2223 RPM'S; USE FUEL PUMP HOUSING P/N= 3821589; TORQUE SPRING GAGE SETTING = .650"; VS IDLE SETTING = 300CC/MIN @ 675 RPM'S; VS THROTTLE TRAVEL = 23-27 DEGREES; AUTO HIGH IDLE SPEC = 2395-2574 RPM'S;
- (3) RESTRICTED TO APPLICATIONS OF OIL WELL SERVICING AND FERTILIZER SPREADERS WITH DUTY CYCLES LESS THEN 500 HR/YEARS. APPLICATIONS ARE ALSO RESTRICTED TO 7500 FT ALTITUDE. AEB 26.01 MUST BE SUBMITTED FOR APPROVAL FOR RESTRICTED RATINGS.
- (4) MIN GOV CH PT @ 15 PSI = 2209 RPM. DSACF W/EDM BARREL AND PLUNGER P/N 30707591; USE AFC BIAS SPRING P/N 3051069; SHIM AFC MAIN SPRING TO 1.320"; TORQUE SPRING GAGE SETTING = .620"; VS IDLE SETTING @ 300 CC/MIN @ 700 RPM. USE FUEL PUMP HOUSING P/N 3069255; VS THROTTLE TRAVEL = 23 +/-2 DEGREES;
- (5) DSACF W/EDM BARREL AND PLUNGER P/N30707591; USE AFC BIAS SPRING P/N 3051069; SHIM AFC MAIN SPRING TO .117"; TOR SPRING GAGE SETTING = .685". USE FUEL PUMP HOUSING P/N 3883776; VS IDLE SETTING = 300 CC/MIN @ 700 RPM. MIN GOV CH PT @ 15 PSI = 2223 RPM. VS THROTTLE TRAVEL = 21 +/-2 DEGREE; PRESSURIZED GEAR PUMP REQUIRED; VS IDLE SETTING = 300 CC/MIN @ 700 RPMs;
- (6) RESTRICTED TO APPLICATIONS OF OIL WELL SERVICING AND FERTILIZER SPREADERS WITH DUTY CYCLES LESS THEN 500 HRS/YEAR. APPLICATIONS ARE ALSO RESTRICTED TO 7500 FT ALTITUDE. AEB 26.01 MUST BE SUBMITTED FOR APPROVAL FOR RESTRICTED RATINGS.

1 Pump Code	X764-A	X765-A	X766-A	X767-A	X768-B	X769-V	
2 Date - Control Parts List	FEB91 - 1349	JAN92 - 1234	JUL92 - 1225	JUL92 - 1224	JAN92 - 0894	JAN92 - 0894	1
3 Test HP @ RPM	301 - 319 @ 1600	284 - 296 @ 2100	294 - 306 @ 2200	235 - 245 @ 1900	300 - 306 @ 2100	309 - 321 @ 1900	2
4 Governed Speed-RPM	1800			1900			3
5 Engine Fuel PSI	142 - 157	182 - 202	185 - 205	125 - 139	139 - 153	145 - 161	4
6 Fuel Rate Pound Per Hour	98 - 104	95 - 99	101 - 105	77 - 81	98 - 102	100 - 104	5
7 Intake Manifold Press. In./Hg	47 - 57	46 - 56	50 - 60	34 - 42	44 - 52	44 - 52	6
8 Torque Rise % - Curve	27 - NONE	31 - NONE	42 - NONE	29 - NONE	33 - NONE	12 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1300	- @ 1400	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	2230 - 2250	2330 - 2350	1930 - 1950	2220 - 2240	2030 - 2050	10
12 VS/Sec. Gov. Setting-RPM	1815 - 1840	2130 - 2150	2230 - 2250	2030 - 2050	2130 - 2150	1930 - 1950	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2280 @ 15	2574 @ 15	2690 @ 15	2223 @ 15	2574 @ 15	2340 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2120 @ 15	2376 @ 15	2485 @ 15	2021 @ 15	2457 @ 15	2200 @ 15	14
16 RS Gov. Setting-PSI @ RPM				15 @ 1833 - 1990			15
17 Low RS Gov. Setting-RPM				1700 - 1730			16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2574 @ 15		2457 @ 15	2223 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1965 @ 15	2232 @ 15	2330 @ 15		2236 @ 15	2058 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, 22 -	28, 24 -	28, -	28, -	28, 18 -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc						@ 700 - 300	23
25 Calibration PSI @ RPM	149 @ 1600	192 @ 2100	166 @ 1400	135 @ 1900	138 @ 2100	153 @ 1900	24
26 Calibration Flow	400	410	380	345	455	465	25
27 Check Point (1) PSI @ RPM	123 - 129 @ 1200	120 - 126 @ 1300	193 - 197 @ 2200	110 - 116 @ 1300	109 - 115 @ 1300	104 - 110 @ 1300	26
28 Check Point (1) Flow	365	320	410	320	400	380	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.780 - 143854	.780 - 143854	.775 - 143855	.780 - 143854	.780 - 143854	.780 - 143854	32
34 Idle Plunger Code - Part No.	007 - 141624	25 - 141631	12 - 141626	25 - 141631	20 - 141629	27 - 141632	33
35 Fuel Pump Housing	3883827	3057808	3821589	3821589	3821589	3057808	34
36 Auto. Idle Spring	3063078	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3004751 - .160	153236 - .140	3000934 - .050	3053106 - .085	3051817 - .170	153237 - .150	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3063080	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3052124 - .045 - .545	138784 - .015 - .665	3002050 - .040 - .690	3002058 - .015 - .615	3821491 - .030 - .630	138780 - .005 - .655	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109687 - .000	109686 - .000	41
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3070591	3041494	3031297	3031298	3031298	3041494	46
48 AFC In./Hg - PSI	8 - 3.9	8 - 3.9	8 - 2.9	8 - 3.9	8 - 3.9	6 - 2.9	47
49 AFC RPM - PSI	1200 - 31	1600 - 60	1600 - 29	1600 - 76	1600 - 29	1600 - 29	48
50 AFC Flow - pph	170	228	155	256	178	178	49
51 AFC Spring - Gage Height-In.	179834 - .117	179828 -	3007696 -	179822 -	179834 -	179826 -	50
52 AFC Bias Spring	3071704						51
53 AFC No Air RPM - PSI	1200 - 33	1600 - 92	1600 - 70	1600 - 68	1600 - 58	1600 - 58	52
54 AFC No Air Flow	178	272	240	238	273	273	53
55 ASA Valve			3020760				54
56 TMD Set with ST589 - Shims			.110 - .235				55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1990 CARB		1990 CARB	1990 CARB			61
63 Certified Year/Agency				1991 EPA			62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model		LTA10-C	L10	L10	L10	LTA10-C	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) DS AFC W/KEY HOLE EDM BARREL P/N 3070591; USE A 3071704 AFC BIAS SPRING; SHIM AFC MAIN SPG P/N 179834 TO 1.320"; TORQUE SPRING GAGE SETTING = .545"; USE 55 DEGREE GOVERNOR PLUNGER; MIN GOVERNOR CH PT @ 15 PSI = 1965 RPM'S; USE FUEL PUMP HOUSING P/N 3883827;
- (2) PRESSURIZED GEAR PUMP REQUIRED; MIN GOV SPEED @ 15 PSI CH PT = 2232 RPM'S. USE FUEL PUMP HOUSING P/N 3057808; TORQUE SPRING GAGE SETTING = .665"; VS IDLE SETTING = 300 CC/MIN @ 700 RPM'S; VS THROTTLE TRAVEL = 24 +/- 2 DEGREES; RESTRICTED TO 9850 FT ALTITUDE;
- (3) TORQUE SPRING GAGE SETTING = .690"; MIN GOV CH PT @ 15 PSI = 2330 RPM'S; USE FUEL PUMP HOUSING P/N 3821589; USE TMD PLUNGER #202 P/N 215092 AND TMD SPRING P/N 109689. ST 589 SETTING @ .110 (TMD SHIMS = .235"); .025" ASA REQUIRED P/N 3020760. VENTED AFC PLUNGER REQUIRED P/N 3020739. PRESSURIZED GEAR PUMP REQUIRED; VS THROTTLE TRAVEL = 27 DEGREES;
- (4) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2021 RPM. TORQUE SPRING GAGE SETTING = .615"; USE FUEL PUMP HGS P/N 3821589. ROADSPEED GOVERNOR TO BE SET AT 1700 RPM; ROADSPEED GOV @ 15 PSI = 1836-1989 RPM'S; THIS CODE IS SUPERCEDED BY X848 FOR; THE LOBC CAMSHAFT AND TIMING CHANGE;
- (5) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3821589; MIN GOV CH PT @ 15 PSI = 2236 RPM. TORQUE SPRING GAGE SETTING .630"; VS IDLE SETTING TO BE 300 CC/MIN @ 1000 RPM;
- (6) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3057808; MIN GOVERNOR CHECK POINT @ 15 PSI = 2058RPM'S TORQUE SPRING GAGE SETTING = .655"; VS IDLE SETTING = 300 CC/MIN @ 700 RPM'S; VS THROTTLE TRAVEL = 21 +/- 2 DEGREES;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X771-A - X776-A

1 Pump Code	X771-A	X772-A	X773-A	X774-A	X775-A	X776-A	1
2 Date - Control Parts List	JAN92 - 0894	MAY92 - 0836	FEB91 - 1349	JUL90 - 1378	FEB91 - 1373	FEB91 - 1362	2
3 Test HP @ RPM	302 - 314 @ 1800	294 - 306 @ 2100	291 - 309 @ 1700	323 - 337 @ 2100	252 - 268 @ 1700	272 - 288 @ 1700	3
4 Governed Speed-RPM		2100	1950		1950	1950	4
5 Engine Fuel PSI	141 - 155	164 - 182	141 - 155	168 - 186	108 - 120	128 - 142	5
6 Fuel Rate Pound Per Hour	97 - 101	97 - 101	96 - 102	107 - 111	83 - 88	91 - 97	6
7 Intake Manifold Press. In./Hg	42 - 50	37 - 45	47 - 57	45 - 49	37 - 45	44 - 52	7
8 Torque Rise % - Curve	9 - NONE	27 - NONE	58 - NONE	15 -	57 - NONE	58 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1200	- @ 1300	- @ 1200	- @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	2240 - 2260		2230 - 2250			11
12 VS/Sec. Gov. Setting-RPM	1830 - 1850	2130 - 2150	2100 - 2120	2130 - 2150	2100 - 2130	2130 - 2150	12
13 Cruise Speed-PSI @ RPM			90 - 100 @ 2100		59 - 69 @ 2100	78 - 86 @ 2100	13
14 Max. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2574 @ 15	2300 @ 15	2457 @ 15	2300 @ 15	2300 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2052 @ 15	2440 @ 15	2200 @ 15	2250 @ 15	2145 @ 15	2180 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2440 @ 15	2300 @ 15	2457 @ 15	2300 @ 15	2300 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1963 @ 15	2236 @ 15	2300 @ 15	2457 @ 15	2300 @ 15	2300 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lever	28, -	28, 23 -	28, -	28, 23 -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 300	@ 700 - 300	@ 700 - 300	@ 700 - 300	@ 700 - 300	@ 700 - 300	24
25 Calibration PSI @ RPM	148 @ 1800	173 @ 2100	147 @ 1700	177 @ 2100	114 @ 1700	135 @ 1700	25
26 Calibration Flow	455	405	385	440	342	365	26
27 Check Point (1) PSI @ RPM	104 - 110 @ 1300	135 - 141 @ 1300	123 - 129 @ 1200	116 - 122 @ 1300	91 - 97 @ 1200	108 - 114 @ 1200	27
28 Check Point (1) Flow	381	360	355	345	310	325	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.780 - 143854	.780 - 143854	.780 - 143855	.780 - 143854	.760 - 143854	.780 - 143854	33
34 Idle Plunger Code - Part No.	22 - 141630	15 - 139894	005 - 141623	22 - 141630	20 - 141629	010 - 141625	34
35 Fuel Pump Housing	3057808	3057808	3892173	3035694	3892173	3892173	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	153237 - .145	3053102 - .070	3052122 - .080	143252 - .090	3036899 - .120	3004752 - .065	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3070720	3040750	3070740	3070740	40
41 Torque Spring - Shims - Gage Height	138768 - .000 - .650	3035817 - .010 - .660	3052123 - .045 - .545	3002047 - .050 - .700	3052123 - .035 - .535	3052124 - .025 - .525	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109688 - .000	109686 - .000	109688 - .000	109688 - .000	42
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly	3041494	3041494	3070751	3041494	3070591	3070591	47
48 AFC In./In. - PSI	6 - 2.9	8 - 3.9		8 - 3.9			48
49 AFC RPM - PSI	1600 - 29	1600 - 43	1200 - 31	1600 - 43	1200 - 30	1200 - 34	49
50 AFC Flow - pph	178	194	170	194	158	166	50
51 AFC Spring - Gage Height-In.	179826 -	179834 -	179834 - .117	179834 -	179826 - .117	179830 - .117	51
52 AFC Bias Spring			3071704		3051070	3051070	52
53 AFC No Air RPM - PSI	1600 - 58	1600 - 70	1200 - 33	1600 - 75	1200 - 33	1200 - 36	53
54 AFC No Air Flow	273	250	178	239	167	173	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	FS 2001	FS 2001		FS 2001			61
62 Certified Year/Agency	1990 AUST	1990 AUST	1990 CARB	1990 AUST	1990 CARB	1990 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10	L10		LTA10	L10-91STC-260	L10-91STC-280	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3057808; MIN GOVERNOR CH POINT @ 15 PSI = 1963 RPM'S; TORQUE SPRING GAGE SETTING = .650"; VS IDLE SETTING = 300CC/MIN @ 700 RPM'S; VS THROTTLE TRAVEL = 20 +/- 2 DEGREES;
- (2) MIN GOV CH PT @ 15 PSI = 2236 RPM'S; PRESS GEAR PUMP REQUIRED VS IDLE SETTING = 300 CC/MIN @ 700 RPM'S; USE FUEL PUMP HOUSING P/N 3057808; VS THROTTLE TRAVEL = 23 +/- 2 DEGREES; TORQUE SPRING GAGE SETTING .660";
- (3) DSAFC W/KEY HOLE EDM BARREL P/N 3070591; USE A 3071704 AFC BIAS SPRING; SHIM AFC MAIN SPG P/N 179834 TO 1.320"; TORQUE SPRING GAGE SETTING = .545"; USE 10 DEGREE GOVERNOR PLUNGER P/N 3070720; MIN GOVERNOR CH PT @ 15 PSI = 2200 RPM'S; USE FUEL PUMP HOUSING P/N 3892173; SHIM CRUDESPEED RAIL TO 90-100 PSI @ 2100RPM REF, USE .075" SHIM ON THE GOV SPRING; PRESSURIZE GEAR PUMP REQUIRED;
- (4) PRESSURIZED GEAR PUMP REQUIRED; TORQUE SPRING SETTING = .700"; USE FUEL PUMP HOUSING P/N 3057808; VS THROTTLE TRAVEL = 23 +/- 2 DEGREES; VS IDLE = 300 CC/MIN @ 700 RPM'S; MIN GOVERNOR SPEED @ 15 PSI CK PT = 2250 RPM REQUIRES A CLASSFIT AFC;
- (5) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3051070; SHIM AFC MAIN SPRING P/N 179826 TO 1.320"; SHIM CRUDESPEED RAIL TO 59-69PSI @ 2100 RPM'S REF, USE .120" SHIMS ON THE AUTO GOV SPG; MIN GOVERNOR CH PT @ 15 PSI = 2145 RPM'S; USE FUEL PUMP HOUSING P/N 3892173; TORQUE SPRING GAGE SETTING = .535"; PRESSURIZED GEAR PUMP REQUIRED; VS IDLE SETTING = 300 CC/MIN @ 700 RPM'S;
- (6) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3051070; SHIM AFC MAIN SPG P/N 179830 TO 1.320"; SHIM CRUDESPEED RAIL TO 76-86PSI @ 2100 RPM'S REF, USE .065" SHIMS ON THE GOVERNOR SPRING; MIN GOVERNOR CH PT @ 15 PSI = 2200 RPM; USE FUEL PUMP HOUSING P/N 3892173; TORQUE SPRING GAGE SETTING = .525"; VS THROTTLE TRAVEL TO BE 19 +/- 2 DEGREES; VS IDLE SETTING = 300 CC/MIN @ 700 RPM'S;

1 Pump Code	X777-A	X778-A	X779-B	X780-A	X781-B	X782-C	
2 Date - Control Parts List	DEC90 - 1226	JUN91 - 1226	JUL92 - 1346	MAR93 - 0894	SEP92 - 1441	SEP92 - 1441	1
3 Test HP @ RPM	265 - 275 @ 2100	235 - 245 @ 2100	294 - 306 @ 2100	343 - 357 @ 2100	265 - 275 @ 2100	235 - 245 @ 2100	2
4 Governed Speed-RPM			2100		2100	2100	3
5 Engine Fuel PSI	156 - 172	134 - 148	177 - 195	162 - 180	156 - 172	134 - 148	4
6 Fuel Rate Pound Per Hour	90 - 94	81 - 85	97 - 101	112 - 117	90 - 94	81 - 85	5
7 Intake Manifold Press. In./Hg	45 - 55	40 - 48	42 - 50	51 - 61	45 - 55	40 - 48	6
8 Torque Rise % - Curve	27 - NONE	25 - NONE	27 - NONE	11 - NONE	27 - NONE	25 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2230 - 2250	2230 - 2250	2130 - 2150	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM	2200 - 2250	2230 - 2250	2130 - 2150	2130 - 2150	2200 - 2250	2230 - 2250	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15		2457 @ 15	2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2223 @ 15	2209 @ 15	2236 @ 15		2223 @ 15	2209 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	18
20 Throttle Leakage-cc - gph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, 22 -	28, 22 -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 740	300 @ 700	300 @ 700	300 @ 700	300 @ 740	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 1200 - 125	@ 1200 - 125	@ 700 - 300	@ 700 - 300	@ 1200 - 125	@ 1200 - 125	23
25 Calibration PSI @ RPM	164 @ 2100	141 @ 2100	186 @ 2100	171 @ 2100	164 @ 2100	141 @ 2100	24
26 Calibration Flow	390	360	410	510	390	360	25
27 Check Point (1) PSI @ RPM	115 - 121 @ 1300	93 - 99 @ 1300	135 - 141 @ 1300	97 - 103 @ 1300	115 - 121 @ 1300	93 - 99 @ 1300	26
28 Check Point (1) Flow	335	295	350	380	335	295	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143855	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143855	32
34 Idle Plunger Code - Part No.	25 - 141631	35 - 140922	15 - 139894	30 - 141633	25 - 141631	35 - 140922	33
35 Fuel Pump Housing	3821589	3821589		3821589			34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3001147 - .000	143253 - .125	3001147 - .100	3000938 - .200	3001147 - .000	143253 - .125	36
38 Gear Pump Size in.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3002049 - .005 - .655	3002048 - .017 - .667	3002049 - .020 - .670	138781 - .005 - .655	3002049 - .005 - .655	3002048 - .017 - .667	40
42 VS Gov. Max. Spring - Ref. Shims	109687 - .010	109687 - .010	109687 - .000	109687 - .000	109686 - .000	109686 - .000	41
43 VS Gov. Idle Spring			153240	153240			42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3031297	3031297	3041494	3031298			46
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	47
49 AFC RPM - PSI	1600 - 29	1600 - 29	1600 - 22	1600 - 29	1600 - 36	1600 - 36	48
50 AFC Flow - gph	145	145	130	178	174	175	49
51 AFC Spring - Gage Height-In.	179836 -	179836 -	3000592 -	179826 -	179828 -	179828 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 63	1600 - 63	1600 - 68	1600 - 58	1600 - 56	1600 - 61	52
54 AFC No Air Flow	227	227	234	273	210	221	53
55 ASA Valve	3042360	3042360					54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve			FS 2001				60
62 Certified Year/Agency	1990 CARB	1990 CARB	1990 CARB		1991 EPA	1991 EPA	61
63 Certified Year/Agency			1991 EPA				62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	L10	LTA10	L10	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP REQUIRED. .040" ASA REQUIRED P/N 3042360. VENTED AFC PLUNGER REQUIRED P/N 3020739. TORQUE SHIM GAGE SETTING = .655". USE FUEL PUMP HOUSING P/N 3821589. SET THE ROADSPEED GOVERNOR TO 125 CC/MIN @ 1200 RPM'S WITH THE THROTTLE OPEN AND THE AIR OFF. USE .010" SHIM ON THE VS GOVERNOR SPG.
- (2) SET ROADSPEED GOV TO 125 CC/MIN @ 1200 RPM'S WITH THE THROTTLE OPEN AND THE AIR OFF. TORQUE SPRING GAGE SETTING = .667". USE FUEL PUMP HOUSING P/N 3821589; USE .040" ASA P/N 3042360. USE VENTED AFC PLUNGER P/N 3020739. USE .010" SHIMS ON THE VS GOV SPRING; MIN GOV CH PT @ 15 PSI = 2209 RPM'S; PRESSURIZED GEAR PUMP REQUIRED.
- (3) MIN GOV. CH PT @ 15 PSI = 2236 RPM. CLASSFIT AFC REQUIRED P/N 3041494; USE FUEL PUMP HOUSING P/N 3057808; TORQUE SPRING GAGE SETTING = .670"; VS IDLE SETTING 300 CC/MIN @ 700 RPM. VS THROTTLE TRAVEL = 22+/- 2 DEGREES; REQUIRES STELLITE FACED VALVE FOR 285 H.P.; & ABOVE WHICH WERE 1223 CPL NOW IS 1346 CPL; THIS CODE SUPERCEDED BY X854 FOR LOBC CHANGE
- (4) RESTRICTED TO APPLICATIONS OF OIL WELL SERVICING AND FERTILIZER SPREADERS WITH DUTY CYCLES LESS THEN 500 HRS/YEARS. APPLICATIONS ARE ALSO RESTRICTED TO 7500 FT ALTITUDE. AEB 26.01 MUST BE SUBMITTED FOR APPROVAL FOR RESTRICTED RATINGS.
- (5) PRESS GEAR PUMP REQUIRED. .030" ASA REQUIRED P/N 3074123. VENTED AFC PLUNGER REQ P/N 3020739. TOR SHIM GAGE SETTING = .655". SET THE ROAD SPEED GOVERNOR TO 125 CC/MIN. @ 1200 RPM'S WITH THE THROTTLE OPEN AND . THE AIR OFF. USE .110" SHIMS ON THE VS GOV SPRING; COMPLIES TO N AMERICAN BUS REGULATIONS.
- (6) SET ROADSPEED GOV TO 125 CC/MIN @ 1200 RPM. WITH THE THROTTLE OPEN AND THE AIR OFF. TOR SPRING GAGE SETTING = .667". USE FUEL PUMP HSG P/N 3821589. USE .030" ASA P/N 3074123. USE VENTED AFC PLUNGER P/N 3020739. USE .090" SHIMS ON THE VS GOV SPRING; MIN GOV CH PT @ 15 PSI = 2209 RPM. PRESS GEAR PUMP REQUIRED. COMPLIES TO N AMERICAN BUS REGULATIONS.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X783-A - X788-C

1 Pump Code	X783-A	X784-A	X785-B	X785-C	X787-B	X788-C	
2 Date - Control Parts List	SEP92 - 1442	FEB91 - 1362	SEP92 - 1446	SEP92 - 1446	SEP92 - 1448	SEP92 - 1447	2
3 Test HP @ RPM	343 - 357 @ 2100	272 - 288 @ 1600	295 - 319 @ 1600	285 - 309 @ 1700	252 - 268 @ 1700	272 - 288 @ 1700	3
4 Governed Speed-RPM	2100	1800	1800	1950	1950	1950	4
5 Engine Fuel PSI	213 - 235	127 - 141	119 - 133	113 - 125	112 - 124	105 - 116	5
6 Fuel Rate Pound Per Hour	112 - 116	89 - 95	97 - 105	97 - 105	85 - 90	93 - 99	6
7 Intake Manifold Press. In./Hg	47 - 57	43 - 51	45 - 55	45 - 55	38 - 46	41 - 49	7
8 Torque Rise % - Curve	9 - NONE	29 - NONE	27 -	58 - NONE	57 - NONE	58 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1200	- @ 1200	- @ 1200	- @ 1200	- @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2230 - 2250	1915 - 1940	1910 - 1930				11
12 VS/Sec. Gov. Setting-RPM	2130 - 2150	1815 - 1840		2050 - 2070	2130 - 2150	2130 - 2150	12
13 Cruise Speed-PSI @ RPM			96 - 102 @ 1900	107 - 113 @ 1950	103 - 109 @ 1950	99 - 105 @ 1950	13
14 Max. Auto. Gov. Check-RPM @ PSI		2223 @ 15	2300 @ 15	2250 @ 15	2250 @ 15	2250 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI		2071 @ 15	2150 @ 15	2150 @ 15	2150 @ 15	2150 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2126 @ 15	2360 @ 15	2420 @ 15	2420 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2259 @ 15	1949 @ 15	1976 @ 15	2260 @ 15	2300 @ 15	2300 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, 22 -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	305 @ 700	300 @ 713	305 @ 700	305 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 300	@ 700 - 300	@ 700 - 300	@ 713 - 300	@ 700 - 300	@ 700 - 300	24
25 Calibration PSI @ RPM	224 @ 2100	134 @ 1600	127 @ 1600	119 @ 1700	118 @ 1700	110 @ 1700	25
26 Calibration Flow	457	365	447	435	360	402	26
27 Check Point (1) PSI @ RPM	128 - 134 @ 1300	108 - 114 @ 1200	99 - 105 @ 1200	97 - 103 @ 1200	93 - 99 @ 1200	85 - 91 @ 1200	27
28 Check Point (1) Flow	342	325	397	397	320	355	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.780 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141629	N15 - 139894	17 - 140417	20 - 141629	20 - 141629	22 - 141630	34
35 Fuel Pump Housing	3821589	3883827	3069255	3892173	3892173	3892173	35
36 Auto. Idle Spring	3018767	3063078	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3001157 - .000	3004754 - .090	3004750 - .180	3004751 - .260	3004754 - .095	3001146 - .090	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3063080	3040750	3070740	3070740	3070740	40
41 Torque Spring - Shims - Gage Height	138781 - .010 - .660	3052124 - .040 - .540	3053169 - .073 - .573	3053167 - .075 - .575	3053169 - .055 - .555	3053169 - .060 - .560	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	70821 - .000	109686 - .000	109687 - .000	109687 - .000	109687 - .000	42
43 VS Gov. Idle Spring	70778	153240	153240	153240	153240	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly	3031298	3070591	3070591	3070591	3070591	3070591	47
48 AFC In./Hg - PSI	6 - 2.9						48
49 AFC RPM - PSI	1600 - 22	1200 - 34	1200 - 19	1200 - 19	1200 - 23	1200 - 19	49
50 AFC Flow - pph	130	170	162	162	142	162	50
51 AFC Spring - Gage Height-In.	3000592 -	179830 - .117	179830 - .117	179830 - .117	179822 - .117	179824 - .117	51
52 AFC Bias Spring		3051070	3071704	3071704	3071949	3071950	52
53 AFC No Air RPM - PSI	1600 - 68	1200 - 36	1200 - 22	1200 - 22	1200 - 26	1200 - 22	53
54 AFC No Air Flow	234	177	176	176	153	176	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1991 EPA	1990 CARB	1991 CARB	1991 CARB	1991 CARB	1991 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10	L10-91STC-280	91STC-L10-310	91STC-L10-300	91STC-L10-260	91STC-L10-280	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2289 RPM. USE FUEL PUMP HSG P/N 3821589. TOR SPRING GAGE SETTING = .660". RESTRICTED TO FIRE TRUCK APPLICATION ONLY. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223 HAVE. SUPERCEDED BY CPL 1346 AND NOW CPL 1442.
- (2) DSAFC W/KEY HOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3051070; SHIM AFC MAIN SPG P/N 179830 TO 1.320"; TORQUE SPRING GAGE SETTING = .540"; USE 55 DEGREE GOVERNOR PLUNGER; MIN GOVERNOR CK PT @ 15 PSI = 1949 RPMS; USE FUEL PUMP HOUSING P/N 3883827; VS IDLE SETTING = 300 CC/MIN @ 700 RPMS
- (3) DSAFC W/KEY HOLE EDM BARREL P/N 3070591; USE A 3071704 AFC BIAS SPRING; SHIM AFC MAIN SPG P/N 179830 TO 1.320"; REF. AUTO GOVERNOR SHIMMING TO BE .180"; TORQUE SPRING GAGE SETTING = .573"; VS CRUISERAIL = 96-102 PSI @ 1900 RPMS; MIN GOVERNOR CHECK POINT = 1976 RPMS; VS IDLE = 300 CC/MIN @ 700 RPMS; USE FUEL PUMP HOUSING P/N 3069255;
- (4) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; SHIM AFC MAIN SPG P/N 179830 TO 1.320"; PRESSURIZED GEAR PUMP REQUIRED;
- (5) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; PRESSURIZED GEAR PUMP REQUIRED; SHIM AFC MAIN SPRING TO 1.320"; SHIM AUTO CRUISERAIL TO 103-109 PSI 1950 RPM REF. USE .095" SHIMS ON THE GOVERNOR SPRING; MIN GOVERNOR CHECK POINT @ 15 PSI = 2150 RPMS TORQUE SPRING GAGE SETTING = .555"; USE AFC BIAS SPRING P/N 3071949; USE FUEL PUMP HOUSING P/N 3892173;
- (6) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3071950; SHIM AFC MAIN SPRING P/N 179824 TO 1.320"; SHIM CRUISERAIL TO 99-105 PSI 1950 RPMS; REF. USE .090" SHIMS ON THE GOVERNOR SPRING; MIN GOVERNOR CH PT @ 15 PSI @ 2150 RPM'S; USE FUEL PUMP HOUSING P/N 3892173; TORQUE SPRING GAGE SETTING = .555"; PRESSURIZED GEAR PUMP REQUIRED;

1 Pump Code	X789-A	X790-B	X791-A	X792-D	X793-G	X794-A	
2 Date - Control Parts List	SEP92 - 1226	FEB92 - 0776	JAN91 - 1226	JAN92 - 0894	APR92 - 1446	FEB91 - 1349	1
3 Test HP @ RPM	235 - 245 @ 2100	147 - 153 @ 1800	265 - 275 @ 2100	300 - 306 @ 2100	285 - 309 @ 1700	291 - 309 @ 1700	2
4 Governed Speed-RPM		1800		2100	1950	1950	3
5 Engine Fuel PSI	134 - 148	67 - 74	156 - 172	133 - 147	113 - 125	144 - 159	4
6 Fuel Rate Pound Per Hour	81 - 85	51 - 54	90 - 94	99 - 102	97 - 105	96 - 102	5
7 Intake Manifold Press. In./Hg	40 - 48	18 - 24	45 - 55	44 - 52	45 - 55	47 - 57	6
8 Torque Rise % - Curve	25 - NONE	17 - NONE	27 - NONE	35 - NONE	58 - NONE	58 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1200	- @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	1930 - 1950	2130 - 2150	2230 - 2250			10
12 VS/Sec. Gov. Setting-RPM	2230 - 2250	1830 - 1850	2230 - 2250	2130 - 2150	2200 - 2250	2100 - 2120	11
13 Cruise Speed-PSI @ RPM					107 - 113 @ 1950	94 - 104 @ 2100	12
14 Max. Auto. Gov. Check-RPM @ PSI	2457 @ 15	2160 @ 15	2457 @ 15	2640 @ 15	2300 @ 15	2300 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2209 @ 15	2000 @ 15	2223 @ 15	2480 @ 15	2200 @ 15	2200 @ 15	14
16 RS Gov. Setting-PSI @ RPM					15 @ 1950 - 2070		15
17 Low RS Gov. Setting-RPM					1740 - 1760		16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2457 @ 15	2457 @ 15	2500 @ 15	2300 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	1880 @ 15	2457 @ 15	2236 @ 15	2260 @ 15	2300 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, 19 -	28, -	28, 24 -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 740	305 @ 700	300 @ 713	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 1200 - 125	@ 700 - 300	@ 1200 - 125	@ 875 - 300		@ 700 - 300	23
25 Calibration PSI @ RPM	141 @ 2100	70 @ 1800	164 @ 2100	147 @ 2100	119 @ 1700	151 @ 1700	24
26 Calibration Flow	360	238	390	450	435	385	25
27 Check Point (1) PSI @ RPM	93 - 99 @ 1300	50 - 56 @ 1300	115 - 121 @ 1300	121 - 127 @ 1300	97 - 103 @ 1200	126 - 132 @ 1200	26
28 Check Point (1) Flow	295	205	335	409	393	355	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143855	.775 - 143854	.775 - 143854	.775 - 143854	.790 - 143854	.760 - 143855	32
34 Idle Plunger Code - Part No.	35 - 140922	60 - 140927	25 - 141631	10 - 141625	012 - 141626	005 - 141623	33
35 Fuel Pump Housing	3821589	3821589	3821589	3057808	3892173	3892173	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143253 - .125	143253 - .085	3001147 - .000	3051817 - .090	3004752 - .160	3052122 - .080	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3070740	3070720	39
41 Torque Spring - Shims - Gage Height	3002048 - .010 - .667	138790 - .030 - .630	3002049 - .005 - .655	3053171 - .110 - .610	3053174 - .035 - .535	3052123 - .045 - .545	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	109686 - .000	41
43 VS Gov. Idle Spring		153240		153240		153240	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3031297	3028347	3031297	3041494	3070591	3070751	46
48 AFC In./Hg - PSI	6 - 2.9		6 - 2.9	8 - 3.9			47
49 AFC RPM - PSI	1600 - 36		1600 - 36	1600 - 29	1200 - 19	1200 - 34	48
50 AFC Flow - pph	174		174	178	162	170	49
51 AFC Spring - Gage Height-In.	179828 -		179828 -	179834 -	179830 - .117	179834 - .117	50
52 AFC Bias Spring					3071704	3071704	51
53 AFC No Air RPM - PSI	1600 - 61		1600 - 56	1600 - 58	1200 - 22	1200 - 36	52
54 AFC No Air Flow	221		210	273	176	178	53
55 ASA Valve	3074123		3074123				54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve				FS 2001			60
62 Certified Year/Agency	1990 CARB		1990 CARB		1991 CARB	1991 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	LT10-C	LTA10-B	L10	L10-300	L10-300	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP REQUIRED. .030" ASA REQUIRED P/N 3074123; VENTED AFC PLUNGER REQUIRED P/N 3020739. TORQUE SPRING GAGE SETTING = .667"; USE FUEL PUMP HOUSING P/N 3821589. SET THE ROADSPEED GOVERNOR TO 125 CC/MIN @ 1200 RPM'S WITH THE THROTTLE OPEN AND AND THE AIR OFF. USE .110" SHIM ON THE VS GOVERNOR SPG;
- (2) PRESSURIZED GEAR PUMP REQUIRED. MIN GOV CHECK POINT @ 15 PSI = 1880 RPM'S; VS IDLE SETTING = 300 CC/MIN @ 700 RPM'S. TORQUE SPRING GAGE SETTING = .630"; USE FUEL PUMP HOUSING P/N 3821589. VS THROTTLE TRAVEL = 19 +/- 2 DEGREES;
- (3) PRESSURIZED GEAR PUMP REQUIRED. .030" ASA REQUIRED P/N 3074123; VENTED AFC PLUNGER REQUIRED P/N 3020739. TORQUE SHIM GAGE SETTING = .655". USE FUEL PUMP HOUSING P/N 3821589. SET THE ROADSPEED GOVERNOR TO 125 CC/MIN @ 1200 RPM'S WITH THE THROTTLE OPEN AND AND THE AIR OFF. USE .110" SHIMS ON THE VS GOVERNOR SPG;
- (4) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3057808; MIN GOV CH PT @ 15 PSI = 2236 RPM. TORQUE SPRING GAGE SETTING = .610"; VS IDLE TO BE SET TO 300 CC/MIN @ 875 RPM'S; VS THROTTLE TRAVEL = 24 +/- 2 DEGREES;
- (5) SHIM AFC MAIN SPRING TO 1.320"; SHIM CRUISERAIL TO 109-115 @ 1950 RPM'S; REF. USE .160" SHIM ON THE GOVERNOR SPRING; ROADSPEED SETTING = 1740-1760 RPM'S;
- (6) DSAFC W/KEY HOLE EDM BARREL P/N 3070591; USE A 3071704 AFC BIAS SPRING; SHIM AFC MAIN SPG P/N 179834 TO 1.320"; TORQUE SPRING GAGE SETTING = .545"; USE 10 DEGREE GOVERNOR PLUNGER P/N 3070720; MIN GOVERNOR CH PT @ 15 PSI = 2200 RPM'S; USE FUEL PUMP HOUSING P/N 3892173; SHIM CRUISESPEED RAIL TO 94-104 PSI @ 2100RP REF. USE .075" SHIM ON THE GOV SPRING; PRESSURIZE GEAR PUMP REQUIRED;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X795-A - X801-B

1 Pump Code	X795-A	X796-A	X797-A	X798-C	X800-B	X801-B	1
2 Date - Control Parts List	JAN92 - 0776	JAN92 - 1234	SEP91 - 1373	SEP91 - 1446	SEP92 - 1447	SEP92 - 1448	2
3 Test HP @ RPM	230 - 240 @ 1800	265 - 275 @ 2100	252 - 268 @ 1700	285 - 309 @ 1700	272 - 288 @ 1600	252 - 268 @ 1700	3
4 Governed Speed-RPM	1800	2100	1950	1950	1800	1950	4
5 Engine Fuel PSI	123 - 136	161 - 178	108 - 120	115 - 127	104 - 115	114 - 126	5
6 Fuel Rate Pound Per Hour	78 - 82	90 - 93	83 - 88	97 - 105	91 - 97	85 - 90	6
7 Intake Manifold Press. -In./Hg	31 - 39	45 - 53	37 - 45	45 - 55	42 - 50	38 - 46	7
8 Torque Rise % - Curve	9 - NONE	41 - NONE	57 - NONE	58 - NONE	29 - NONE	57 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1200	- @ 1200	- @ 1200	- @ 1200	9
10 Cranking Fuel Press. -PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	2230 - 2250	2100 - 2130	2050 - 2070	1915 - 1940	2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM	1830 - 1850	2130 - 2150					12
13 Cruise Speed-PSI @ RPM			63 - 73 @ 2100	109 - 115 @ 1950	79 - 85 @ 1930	105 - 111 @ 1950	13
14 Max. Auto. Gov. Check-RPM @ PSI	2160 @ 15	2620 @ 15	2300 @ 15	2250 @ 15	2260 @ 15	2250 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2040 @ 15	2464 @ 15	2145 @ 15	2150 @ 15	2160 @ 15	2150 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15	2300 @ 15	2360 @ 15	2106 @ 15	2420 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1925 @ 15	2223 @ 15	2300 @ 15	2260 @ 15	1950 @ 15	2300 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 800	300 @ 700	300 @ 713	305 @ 700	305 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 300	@ 910 - 300	@ 700 - 300	300 @ 713 -	@ 700 - 300	@ 700 - 300	24
25 Calibration PSI @ RPM	136 @ 1800	141 @ 1300	118 @ 1700	121 @ 1700	110 @ 1600	120 @ 1700	25
26 Calibration Flow	338	341	342	435	400	360	26
27 Check Point (1) PSI @ RPM	99 - 105 @ 1300	167 - 173 @ 2100	94 - 100 @ 1200	99 - 105 @ 1200	85 - 91 @ 1200	95 - 101 @ 1200	27
28 Check Point (1) Flow	290	378	310	397	355	320	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.760 - 143854	.785 - 143854	.760 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	33
34 Idle Plunger Code - Part No.	30 - 141633	17 - 140417	20 - 141629	22 - 141629	22 - 141630	20 - 141629	34
35 Fuel Pump Housing	3035694	3821589	3892173	3892173	3069255	3892173	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143253 - .100	3001156 - .105	3036899 - .120	3004751 - .260	3004753 - .070	3004754 - .095	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3040750	3070740	3070740	3040750	3070740	40
41 Torque Spring - Shims - Gage Height	138780 - .030 - .680	138783 - .035 - .685	3052123 - .035 - .535	3053167 - .070 - .570	3053167 - .070 - .570	3053169 - .055 - .555	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	70822 - .000	109688 - .000	109687 - .000	109687 - .000	109687 - .000	42
43 VS Gov. Idle Spring	153240	153240	153240	153240	153240	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly	3026347	3031298	3070591	3070591	3070591	3070591	47
48 AFC In./Hg - PSI		8 - 3.9					48
49 AFC RPM - PSI		1600 - 60	1200 - 30	1200 - 19	1200 - 19	1200 - 23	49
50 AFC Flow - pph		228	158	162	162	142	50
51 AFC Spring - Gage Height-In.		179828 -	179826 - .117	179830 - .117	179824 - .117	179822 - .117	51
52 AFC Bias Spring			3051070	3071704	3071950	3071949	52
53 AFC No Air RPM - PSI		1600 - 92	1200 - 33	1200 - 22	1200 - 22	1200 - 26	53
54 AFC No Air Flow		272	167	176	176	153	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims		.020 - .075					56
57 TMD Spring		70691					57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve				FS 2010			61
62 Certified Year/Agency			1991 CARB	1991 CARB	1991 CARB	1991 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	LT10-C	L-10	L10-260	91STC-L10-300	91STC-L10-280	91STC-L10-260	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) PRESSURIZED GEAR PUMP REQUIRED. USE FUEL PUMP HOUSING P/N 3035694; SET VS IDLE TO 300 CC/MIN @ 700 RPM'S; TORQUE SPRING GAGE SETTING = .680";
- (2) RESTRICTED TO J I CASE 921 FRONTEND LOADER; MIN GOV SPEED @ 15 PSI CH PT = 2232 RPM'S. USE FUEL PUMP HOUSING P/N 3821589; TORQUE SPRING GAGE SETTING = .685"; VS IDLE SETTING = 300 CC/MIN @ 910 RPM'S; TMD PLUNGER P/N 3003150 #204 WITH SPRING P/N 70691, ST589 SETTING OF .020" (.075" SHIMS VS THROTTLE TRAVEL = 16 +/- 2 DEGREES; RESTRICTED TO 9850 FT ALTITUDE;
- (3) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3051070; SHIM AFC MAIN SPRING P/N 179826 TO 1.320"; SHIM CRUISESPEED RAIL TO 63-73PSI @ 2100 RPM'S REF. USE .120" SHIMS ON THE AUTO GOV SPG; MIN GOVERNOR CH PT @ 15 PSI = 2145 RPM'S; USE FUEL PUMP HOUSING P/N 3892173; REQUIRES AN CEEMAT INTERRUPTER VALVE FS2010; PRESSURIZED GEAR PUMP REQUIRED; VS IDLE SETTING = 300 CC/MIN @ 700 RPM'S;
- (4) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; PRESSURIZED GEAR PUMP REQUIRED;
- (5) DSAFC W/KEY HOLE EDM BARREL P/N 3070591; USE AFC BIAS SPRING P/N 3071950; SHIM AFC MAIN SPRING TO 1.320"; TORQUE SPRING GAGE SETTING = .570"; SET VS CRUISERAIL TO 79-85 PSI @ 1930 RPM'S; MIN GOVERNOR CH PT @ 15 PSI = 1950 RPM'S; REF. AUTO GOVERNOR SPRING SHIMS = .070"; USE FUEL PUMP HOUSING P/N 3069255; PRESSURIZED GEAR PUMP REQUIRED;
- (6) DSAFC W/KEYHOLE EDM BARREL P/N 3070591; PRESSURIZED GEAR PUMP REQUIRED; SHIM AFC MAIN SPRING TO 1.320"; SHIM CRUISERAIL TO 105-111 PSI @ 1950 RPM'S; REF. USE .095" SHIMS ON THE GOVERNOR SPRING; MIN GOVERNOR CHECK POINT @ 15 PSI = 2150 RPM'S USE AFC BIAS SPRING P/N 3071949; TORQUE SPRING GAGE SETTING = .555"; USE FUEL PUMP HOUSING P/N 3892173; REQUIRES A CEEMAT INTERRUPTER VALVE;

1 Pump Code	X802-A	X803-B	X804-A	X805-B	X806-B	X807-A	1
2 Date - Control Parts List	JAN92 - 0958	DEC92 - 1448	SEP92 - 1447	JAN92 - 0894	MAY93 - 1412	MAY93 - 1558	2
3 Test HP @ RPM	284 - 296 @ 2100	252 - 268 @ 1800	272 - 288 @ 1700	300 - 306 @ 2100	300 - 306 @ 2100	304 - 316 @ 1600	3
4 Governed Speed-RPM	2100	1800	1950	2100	2100	1800	4
5 Engine Fuel PSI	182 - 179	111 - 123	107 - 116	133 - 147	133 - 147	113 - 125	5
6 Fuel Rate Pound Per Hour	93 - 97	84 - 89	93 - 99	99 - 102	101 - 105	99 - 103	6
7 Intake Manifold Press. In./Hg	42 - 50	37 - 45	41 - 49	45 - 55	45 - 55	46 - 56	7
8 Torque Rise % - Curve	20 - NONE	29 - NONE	57 - NONE	35 - NONE	35 - NONE	35 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1200	- @ 1200	- @ 1300	- @ 1300	- @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2230 - 2250	1915 - 1940		2230 - 2250	2230 - 2250	1920 - 1940	11
12 VS/Sec. Gov. Setting-RPM	2130 - 2150		2130 - 2150	2130 - 2150	2130 - 2150		12
13 Cruise Speed-PSI @ RPM		79 - 85 @ 1930	99 - 105 @ 1950			94 - 100 @ 1900	13
14 Max. Auto. Gov. Check-RPM @ PSI		2260 @ 15	2250 @ 15	2610 @ 15	2630 @ 15	2320 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI		2160 @ 15	2150 @ 15	2490 @ 15	2480 @ 15	2180 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2106 @ 15	2420 @ 15	2457 @ 15	2360 @ 15	2100 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2232 @ 15	1955 @ 15	2300 @ 15	2236 @ 15	2236 @ 15	1950 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, 25 -	28, -	28, -	28, -	28, 29 -	28, 19 -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 700	305 @ 700	300 @ 700	305 @ 700	300 @ 710	300 @ 713	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 300	@ 700 - 300	300 @ 700 -	@ 875 - 300	@ 875 - 300	@ 713 - 300	24
25 Calibration PSI @ RPM	170 @ 2100	117 @ 1600	112 @ 1700	124 @ 1300	126 @ 1300	119 @ 1600	25
26 Calibration Flow	400	360	402	409	416	448	26
27 Check Point (1) PSI @ RPM	114 - 120 @ 1300	95 - 101 @ 1200	87 - 93 @ 1200	144 - 150 @ 2100	144 - 150 @ 2100	94 - 101 @ 1200	27
28 Check Point (1) Flow	320	320	355	452	460	398	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.775 - 143854	.790 - 143854	.790 - 143854	.775 - 143854	.780 - 143854	.790 - 143854	33
34 Idle Plunger Code - Part No.	22 - 141630	22 - 141630	22 - 141630	15 - 139894	15 - 139894	20 - 141629	34
35 Fuel Pump Housing	3057808	3069255	3892173	3057808	3069255	3069255	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143253 - .080	3004753 - .075	3001146 - .090	143253 - .090	143253 - .080	3001146 - .090	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3040750	3070740	3040750	3040760	3040750	40
41 Torque Spring - Shims - Gage Height	3002049 - .010 - .660	3053167 - .080 - .580	3053169 - .050 - .550	3821486 - .030 - .630	3821486 - .030 - .630	3053171 - .071 - .570	41
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109687 - .000	109687 - .000	109686 - .000	70821 - .000	109686 - .000	42
43 VS Gov. Idle Spring	153240	153240	153240	153240	70778	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148		46
47 AFC Barrel & Plunger Assembly	3041494	3070591	3070591	3041494	3070590	3070590	47
48 AFC In./Hg - PSI	8 - 3.9			8 - 3.9	.048 - .190		48
49 AFC RPM - PSI	1600 - 44	1200 - 23	1200 - 19	1600 - 29	1300 - 51	1200 - 23	49
50 AFC Flow - pph	178	142	162	233	233	170	50
51 AFC Spring - Gage Height-In.	179826 -	179822 - .117	179824 - .117	179834 -	179826 - .117	179832 - .117	51
52 AFC Bias Spring		3071949	3071950		3071951	3071704	52
53 AFC No Air RPM - PSI	1600 - 80	1200 - 26	1200 - 22	1600 - 58	1300 - 57	1200 - 26	53
54 AFC No Air Flow	254	153	176	273	251	200	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims					.048 - .190		56
57 TMD Spring				186997	186997		57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	FS 2005	1991 CARB	1991 CARB	FS 2001	FS 2001	1992 CARB	61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L-10	91STC-L10-260	L10-260 (91STC)	LTA10-A	LTA-325	91STC-L10-310	66
67 Notes	SEE NOTE (1)		SEE NOTE (3)	SEE NOTE (4)			67

NOTES

- (1) PRESS GEAR PUMP REQUIRED MIN GOV SPEED @ .15 PSI CH-PT = 2232 RPMs. USE FUEL PUMP HOUSING P/N 3057808; USE TORQUE SPRING GAGE SETTING .660"; VS IDLE SETTING = 300 CC/MIN @ 700 RPM'S;
- (3) DS AFC W/KEYHOLE EDM BARREL P/N 3070591; PRESSUREIZED GEAR PUMP REQUIRED; SHIM AFC MAIN SPRING TO 1.320"; SHIM AUTO CRUISERAIL TO 99-105 PSI @ 1950RPM REF. USE .090" SHIMS ON THE GOVERNOR SPRINGS MIN GOVERNOR CHECK POINT @ 15 PSI = 2150 RPMs TORQUE SPRING GAGE SETTING = .550"; USE AFC BIAS SPRING P/N 3071950; USE FUEL PUMP HOUSING P/N 3892173; REQUIRES A CEEMAT INTERRUPTER VALVE;
- (4) TMD GAGE SETTING = .067"; REF; TMD SHIMS = .215"; TMD SPG P/N = 186997, TMD PLUNGER P/N = 202612

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X808-A - X813-A

1 Pump Code	X808-A	X809-A	X810-A	X811-A	X812-A	X813-A	1
2 Date - Control Parts List	MAY93 - 1558	MAY93 - 1558	MAY93 - 1558	MAY93 - 1560	MAY93 - 1560	MAY93 - 1562	2
3 Test HP @ RPM	294 - 306 @ 1700	294 - 306 @ 1700	294 - 306 @ 1700	274 - 286 @ 1600	274 - 286 @ 1700	255 - 265 @ 1600	3
4 Governed Speed-RPM	1950	1950	1950	1800	1800	1800	4
5 Engine Fuel PSI	109 - 121	111 - 123	109 - 121	102 - 112	103 - 113	106 - 118	5
6 Fuel Rate Pound Per Hour	98 - 102	98 - 102	98 - 102	91 - 95	92 - 96	83 - 87	6
7 Intake Manifold Press. In./Hg	45 - 55	45 - 55	45 - 55	42 - 50	42 - 50	35 - 43	7
8 Torque Rise % - Curve	- NONE	- NONE	- NONE	- NONE	- NONE	29 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1200	- @ 1200	- @ 1200	- @ 1200	- @ 1200	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM				1920 - 1940		1920 - 1940	11
12 VS/Sec. Gov. Setting-RPM	2050 - 2070	2050 - 2070	2375 - 2415		2130 - 2150		12
13 Cruise Speed-PSI @ RPM	102 - 108 @ 1950	104 - 110 @ 1950	101 - 109 @ 1950	79 - 85 @ 1930	95 - 101 @ 1950	78 - 86 @ 1930	13
14 Max. Auto. Gov. Check-RPM @ PSI	2250 @ 15	2250 @ 15	2260 @ 15	2260 @ 15	2250 @ 15	2260 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2150 @ 15	2150 @ 15	2140 @ 15	2140 @ 15	2150 @ 15	2160 @ 15	15
16 RS Gov. Setting-PSI @ RPM			15 @ 1950 - 2070				16
17 Low RS Gov. Setting-RPM			1730 - 1750				17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2390 @ 15	2390 @ 15	2665 @ 15	2110 @ 15	2420 @ 15	2100 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2250 @ 15	2250 @ 15	2545 @ 15	1990 @ 15	2300 @ 15	1980 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levtr	28, 19 -	28, 19 -	28, -	28, -	28, 19 -	28, 17 -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 713	300 @ 713	300 @ 713	300 @ 713	300 @ 713	300 @ 713	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 713 - 300	@ 713 - 300	@ 713 - 300	@ 713 - 300	@ 713 - 300	@ 713 - 300	24
25 Calibration PSI @ RPM	115 @ 1700	117 @ 1700	115 @ 1700	107 @ 1600	108 @ 1700	113 @ 1600	25
26 Calibration Flow	440	440	440	413	417	353	26
27 Check Point (1) PSI @ RPM	94 - 100 @ 1200	96 - 102 @ 1200	94 - 100 @ 1200	83 - 89 @ 1200	83 - 89 @ 1200	90 - 96 @ 1200	27
28 Check Point (1) Flow	398	398	398	369	368	315	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	33
34 Idle Plunger Code - Part No.	20 - 141629	20 - 141629	15 - 139894	22 - 141630	22 - 141630	25 - 141631	34
35 Fuel Pump Housing	3893833	3893833	3893833	3069255	3893833	3069255	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004754 - .100	3004754 - .100	3004754 - .080	143254 - .072	3036899 - .167	3004752 - .145	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3074330	3074330	3074330	3040750	3074330	3040760	40
41 Torque Spring - Shims - Gage Height	3051814 - .070 - .570	3051814 - .070 - .570	3053169 - .074 - .574	3053166 - .082 - .582	3053169 - .060 - .560	3053167 - .080 - .580	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109687 - .000	109687 - .000	3069725 - .000	109688 - .000	109687 - .000	42
43 VS Gov. Idle Spring	153240	153240		153240	153240	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148		212148	212148	46
47 AFC Barrel & Plunger Assembly	3070590	3070590	3070590	3070590	3070590	3070590	47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1200 - 23	1200 - 23	1200 - 23	1200 - 23	1200 - 23	1200 - 26	49
50 AFC Flow - pph	170	170	170	174	174	160	50
51 AFC Spring - Gage Height-In.	179832 - .117	179832 - .117	179832 - .117	179828 - .117	179828 - .117	179826 - .117	51
52 AFC Bias Spring	3071704	3071704	3071704	3071704	3071704	3071950	52
53 AFC No Air RPM - PSI	1200 - 26	1200 - 26	1200 - 26	1200 - 26	1200 - 26	1200 - 32	53
54 AFC No Air Flow	200	200	200	186	186	185	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		FS 2010					61
62 Certified Year/Agency	1992 CARB	1992 CARB	1992 CARB	1992 CARB	1992 CARB	1993 CARB	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	91STC-L10-300	91STC-L10-300	91STC-L10-300	L10-280 91STC	91STC-L10-280	L10-280	66
67 Notes							67

NOTES

1 Pump Code	X814-C	X815-A	X816-A	X817-A	X818-A	X819-B	
2 Date - Control Parts List	DEC92 - 1562	DEC92 - 1562	DEC92 - 1441	DEC91 - 1234	JAN92 - 1412	JUN92 - 1412	1
3 Test HP @ RPM	255 - 265 @ 1700	255 - 265 @ 1700	235 - 245 @ 2100	284 - 296 @ 2100	300 - 306 @ 2100	289 - 301 @ 2000	2
4 Governed Speed-RPM	1950	1950	2100	2100			3
5 Engine Fuel PSI	108 - 120	108 - 120	134 - 148	172 - 190	136 - 150	122 - 134	4
6 Fuel Rate Pound Per Hour	86 - 90	86 - 90	81 - 85	96 - 100	101 - 105	98 - 102	5
7 Intake Manifold Press. In./Hg	39 - 47	39 - 47	40 - 48	45 - 55	45 - 55	43 - 51	6
8 Torque Rise % - Curve	21 - NONE	21 - NONE	45 - NONE	31 - NONE	35 - NONE	13 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1200	- @ 1300	- @ 1300	- @ 1300	- @ 1400	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM			2120 - 2140	2340 - 2360	2230 - 2250	2160 - 2180	10
12 VS/Sec. Gov. Setting-RPM	2130 - 2150	2130 - 2150	2310 - 2330		2130 - 2150	2030 - 2050	11
13 Cruise Speed-PSI @ RPM	102 - 108 @ 1950	99 - 103 @ 1950		116 - 128 @ 2320			12
14 Max. Auto. Gov. Check-RPM @ PSI	2260 @ 15	2260 @ 15	2500 @ 15	2700 @ 15	2630 @ 15	2440 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2140 @ 15	2140 @ 15	2380 @ 15	2580 @ 15	2480 @ 15	2320 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2410 @ 15	2420 @ 15	2640 @ 15	2605 @ 15	2360 @ 15	2290 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2290 @ 15	2300 @ 15	2520 @ 15	2480 @ 15	2236 @ 15	2140 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, 17 -	28, 17 -	28, -	28, 13 -	28, 29 -	28, 24 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 713	300 @ 713	305 @ 700	305 @ 800	300 @ 710	300 @ 880	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 713 - 300	@ 713 - 300	@ 1200 - 125	@ 910 - 305	@ 1000 - 300	@ 750 - 300	23
25 Calibration PSI @ RPM	114 @ 1700	114 @ 1700	141 @ 2100	134 @ 1300	118 @ 1300	141 @ 2000	24
26 Calibration Flow	354	354	361	341	416	449	25
27 Check Point (1) PSI @ RPM	91 - 97 @ 1200	91 - 97 @ 1200	117 - 123 @ 1300	178 - 184 @ 2100	137 - 143 @ 2100	97 - 103 @ 1400	26
28 Check Point (1) Flow	313	313	330	400	460	370	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854	.775 - 143854	.785 - 143854	.780 - 143854	.780 - 143854	32
34 Idle Plunger Code - Part No.	25 - 141631	22 - 141630	17 - 140417	20 - 141629	15 - 139894	37 - 140418	33
35 Fuel Pump Housing	3893833	3893833	3821589	3821589	3069255	3069255	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3004754 - .112	143255 - .120	3053106 - .120	3001156 - .100	143253 - .090	153236 - .140	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3074330	3074330	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3053171 - .052 - .552	3053175 - .045 - .540	3053174 - .102 - .593	138783 - .025 - .675	3821486 - .030 - .630	138788 - .050 - .650	40
42 VS Gov. Max. Spring - Ref. Shims	109689 - .000	109689 - .000	109687 - .000	109690 - .000	70821 - .000	3069724 - .000	41
43 VS Gov. Idle Spring	153240	153240		3077619	153240	153240	42
44 VS Gov. Weights	163826	163826	163826	107261	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3070590	3070590	3031297	3031298	3074225	3070590	46
48 AFC In./Hg - PSI			6 - 2.9	8 - 3.9			47
49 AFC RPM - PSI	1200 - 26	1200 - 26	1600 - 36	1600 - 60	1300 - 46	1300 - 40	48
50 AFC Flow - pph	160	160	174	228	233	208	49
51 AFC Spring - Gage Height-In.	179826 - .117	179826 - .117	179828 -	179828 -	179826 - .117	179822 - .117	50
52 AFC Bias Spring	3071950	3071950			3071951	3071704	51
53 AFC No Air RPM - PSI	1200 - 32	1200 - 32	1600 - 56	1600 - 92	1300 - 52	1300 - 55	52
54 AFC No Air Flow	185	185	210	272	251	254	53
55 ASA Valve			3074123				54
56 TMD Set with ST589 - Shims				.042 - .110	.048 - .190		55
57 TMD Spring				70691	186997		56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve		FS 2010					60
62 Certified Year/Agency	1992 CARB	1992 CARB	1991 EPA				61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10-260	L10-260	LTA10-B	L-10	LTA10-C	L10	65
67 Notes			SEE NOTE (3)	SEE NOTE (4)			66

NOTES

(3) SET ROADSPEED GOV TO 125 CC/MIN @ 1200 RPM. WITH THE THROTTLE OPEN AND THE AIR OFF. USE .090" SHIMS ON THE VS GOV SPRING; COMPLIES TO N AMERICAN BUS REGULATIONS.

(4) RESTRICTED TO KOMATSU WA470 FRONTEND LOADER; MIN VS GOV SPEED @ 15 PSI CH PT = 2480 RPM'S; USE FUEL PUMP HOUSING P/N 3821589; TORQUE SPRING GAGE SETTING = .675". VS IDLE SETTING = 305 CC/MIN @ 910 RPM'S; TMD PLUNGER P/N 3003150 #204 WITH SPRING P/N 70691, ST589 SETTING OF .042" (.110" SHIM VS THROTTLE TRAVEL = 13 +/-2 DEGREES; RESTRICTED TO 9850 FT ALTITUDE;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X820-D - X825-A

1 Pump Code	X820-D	X821-B	X822-B	X823-B	X824-A	X825-A	1
2 Date - Control Parts List	MAY93 - 1412	OCT92 - 1412	MAR93 - 1412	SEP92 - 1412	SEP92 - 1446	MAR93 - 1412	2
3 Test HP @ RPM	289 - 301 @ 2000	309 - 321 @ 1800	309 - 321 @ 1900	319 - 332 @ 2100	295 - 319 @ 1600	350 - 357 @ 2100	3
4 Governed Speed-RPM					1800		4
5 Engine Fuel PSI	134 - 148	148 - 164	148 - 164	147 - 163	126 - 140	169 - 187	5
6 Fuel Rate Pound Per Hour	96 - 100	100 - 104	100 - 104	109 - 113	97 - 105	113 - 118	6
7 Intake Manifold Press. In./Hg	42 - 50	43 - 51	45 - 53	50 - 60	46 - 56	51 - 61	7
8 Torque Rise % - Curve	11 - NONE	6 - NONE	12 - NONE	20 - NONE	27 -	15 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1200	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2130 - 2150	1980 - 2000	2030 - 2050	2230 - 2250	1905 - 1925	2230 - 2250	11
12 VS/Sec. Gov. Setting-RPM	2030 - 2050	1830 - 1850	1930 - 1950	2130 - 2150		2130 - 2150	12
13 Cruise Speed-PSI @ RPM					103 - 109 @ 1900		13
14 Max. Auto. Gov. Check-RPM @ PSI	2420 @ 15	2260 @ 15	2320 @ 15	2560 @ 15	2320 @ 15	2560 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2300 @ 15	2140 @ 15	2200 @ 15	2440 @ 15	2200 @ 15	2440 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2260 @ 15	2100 @ 15	2200 @ 15	2376 @ 15	2126 @ 15	2400 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2140 @ 15	1980 @ 15	2080 @ 15	2248 @ 15	1976 @ 15	2280 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, 22 -	28, 15 -	28, 21 -	28, 24 -	28, 20 -	28, 23 -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 750	300 @ 710	300 @ 710	300 @ 713	305 @ 710	300 @ 713	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 850 - 573	@ 1100 - 180	@ 710 - 300	@ 713 - 300	@ 700 - 300	@ 713 - 300	24
25 Calibration PSI @ RPM	141 @ 2000	156 @ 1800	156 @ 1900	164 @ 2100	133 @ 1800	178 @ 2100	25
26 Calibration Flow	449	459	462	480	447	512	26
27 Check Point (1) PSI @ RPM	85 - 91 @ 1300	107 - 113 @ 1300	107 - 113 @ 1300	107 - 113 @ 1300	105 - 111 @ 1200	120 - 126 @ 1300	27
28 Check Point (1) Flow	347	378	377	377	397	417	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.800 - 143854	.775 - 143854	.780 - 143854	.775 - 143854	.790 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	35 - 140922	25 - 141631	25 - 141631	25 - 141631	12 - 141626	17 - 140417	34
35 Fuel Pump Housing	3069255	3069255	3069255	3069255	3069255	3069255	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3001155 - .090	153236 - .100	153237 - .145	153236 - .080	3004750 - .155	153237 - .135	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040760	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138788 - .050 - .650	138786 - .025 - .625	138790 - .035 - .635	3002056 - .039 - .639	3053169 - .073 - .573	3002057 - .037 - .638	41
42 VS Gov. Max. Spring - Ref. Shims	3069724 - .000	3069724 - .000	3069724 - .000	3069724 - .000	109686 - .000	3069724 - .000	42
43 VS Gov. Idle Spring	70778	153240	153240	153240	153240	153240	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly	3070590	3070590	3070590	3070590	3070591	3070590	47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1300 - 40	1300 - 44	1300 - 44	1300 - 44	1200 - 23	1300 - 51	49
50 AFC Flow - pph	208	208	208	208	162	233	50
51 AFC Spring - Gage Height-In.	179822 - .117	179822 - .117	179822 - .117	179822 - .117	179830 - .117	179826 - .117	51
52 AFC Bias Spring	3071704	3071704	3071704	3071704	3071704	3071951	52
53 AFC No Air RPM - PSI	1300 - 55	1300 - 59	1300 - 59	1300 - 59	1200 - 26	1300 - 57	53
54 AFC No Air Flow	254	254	254	254	176	251	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		FS 2001	FS 2001	FS 2001	FS 2001	FS 2001	61
62 Certified Year/Agency					1992 CARB		62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10	LTA10-C	LTA10-C	LTA10-C	91STC-L10-310	L10	66
67 Notes				SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

(4) MIN GOV CH PT @ 15 PSI = 2248 RPM.

(5) VS IDLE = 300 CC/MIN @ 700 RPMs;

(6) RESTRICTED TO APPLICATIONS OF OIL WELL SERVICING AND FERTILIZER SPREADERS WITH DUTY CYCLES LESS THEN 500 HR/YEAR. APPLICATIONS ARE ALSO RESTRICTED TO 7500 FT ALTITUDE. AEB 26.01 MUST BE SUBMITTED FOR APPROVAL FOR RESTRICTED RATINGS.

1 Pump Code	X826-B	X827-D	X828-A	X829-B	X830-B	X831-A	
2 Date - Control Parts List	OCT92 - 1414	DEC92 - 1414	OCT92 - 1414	JAN93 - 1414	JAN93 - 1414	OCT92 - 1414	1
3 Test HP @ RPM	211 - 220 @ 1800	230 - 235 @ 2100	233 - 243 @ 2100	221 - 230 @ 2100	211 - 219 @ 2100	245 - 255 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	114 - 126	130 - 144	137 - 151	128 - 142	122 - 134	145 - 161	4
6 Fuel Rate Pound Per Hour	73 - 76	82 - 85	85 - 89	80 - 83	76 - 80	87 - 91	5
7 Intake Manifold Press. In./Hg	31 - 37	38 - 46	40 - 48	36 - 44	35 - 43	41 - 49	6
8 Torque Rise % - Curve	7 - NONE	40 - NONE	26 - NONE	20 - NONE	17 - NONE	20 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	2200 - 2250	2230 - 2250	2230 - 2250	2230 - 2250	2230 - 2250	10
12 VS/Sec. Gov. Setting-RPM	1830 - 1850	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	2130 - 2150	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2180 @ 15	2610 @ 15	2560 @ 15	2540 @ 15	2540 @ 15	2560 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2060 @ 15	2490 @ 15	2440 @ 15	2420 @ 15	2420 @ 15	2440 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2020 @ 15	2400 @ 15	2415 @ 15	2420 @ 15	2420 @ 15	2400 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1900 @ 15	2280 @ 15	2295 @ 15	2300 @ 15	2300 @ 15	2280 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, 20 -	28, 25 -	28, 23 -	28, 20 -	28, 18 -	28, 20 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 713	300 @ 713	300 @ 788	300 @ 713	300 @ 713	300 @ 713	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 1000 - 300	@ 1000 - 300	@ 788 - 300	@ 713 - 300	@ 713 - 300	@ 713 - 300	23
25 Calibration PSI @ RPM	120 @ 1800	137 @ 2100	151 @ 2100	141 @ 2100	135 @ 2100	153 @ 2100	24
26 Calibration Flow	316	343	353	340	330	365	25
27 Check Point (1) PSI @ RPM	77 - 83 @ 1300	106 - 112 @ 1300	97 - 103 @ 1300	84 - 90 @ 1300	76 - 82 @ 1300	91 - 97 @ 1300	26
28 Check Point (1) Flow	252	299	275	252	239	275	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	.800 - 143854	32
34 Idle Plunger Code - Part No.	42 - 140923	30 - 141632	32 - 141634	40 - 137370	45 - 138862	35 - 140922	33
35 Fuel Pump Housing	3069255	3069255	3069255	3069255	3069255	3069255	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153236 - .085	3053111 - .097	153237 - .129	3001155 - .085	3000938 - .150	3000939 - .177	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040760	3040750	3040760	3040760	39
41 Torque Spring - Shims - Gage Height	138794 - .040 - .590	3053172 - .107 - .607	3002058 - .035 - .635	3002053 - .025 - .625	138801 - .060 - .610	3053156 - .115 - .615	40
42 VS Gov. Max. Spring - Ref. Shims	107787 - .000	3069724 - .000	3069725 - .000	109687 - .000	109687 - .000	3069725 - .000	41
43 VS Gov. Idle Spring	70778	70778	153240	153240	153240	153240	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3058944	3058944	3058944	3058944	3058944	3058944	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1300 - 63	1300 - 75	1300 - 75	1300 - 68	1300 - 68	1300 - 75	48
50 AFC Flow - pph	209	244	242	209	242	242	49
51 AFC Spring - Gage Height-In.	179818 -	179818 -	179818 -	179818 -	179818 -	179818 -	50
52 AFC Bias Spring	3071952	3071952	3071952	3071952	3071952	3071952	51
53 AFC No Air RPM - PSI	1300 - 68	1300 - 82	1300 - 82	1300 - 73	1300 - 73	1300 - 82	52
54 AFC No Air Flow	218	254	254	218	218	254	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve			FS 2001	FS 2001	FS 2001		60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LTA10-C	LTA10-C	LTA10-C	LTA10-C	LTA10-C	LTA10-C	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESS GEAR PUMP REQUIRED
- (2) PRESS GEAR PUMP REQUIRED.
- (3) PRESSURIZED GEAR PUMP REQUIRED CHECK VALVES REQUIRED
- (4) PRESS GEAR PUMP REQUIRED
- (5) PRESSURIZED GEAR PUMP REQUIRED
- (6) PRESS GEAR PUMP REQUIRED

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X832-A - X837-A

1 Pump Code	X832-A	X833-A	X834-A	X835-A	X836-A	X837-A	1
2 Date - Control Parts List	OCT92 - 1414	OCT92 - 1414	APR92 - 0775	DEC92 - 1621	DEC92 - 1623	DEC92 - 1623	2
3 Test HP @ RPM	196 - 204 @ 1800	186 - 194 @ 2100	270 - 281 @ 2100	279 - 291 @ 2200	294 - 306 @ 1900	294 - 306 @ 1900	3
4 Governed Speed-RPM			2100	2200	1900	1900	4
5 Engine Fuel PSI	104 - 114	105 - 116	157 - 174	174 - 192	166 - 184	166 - 184	5
6 Fuel Rate Pound Per Hour	68 - 71	69 - 72	92 - 96	96 - 100	95 - 99	95 - 99	6
7 Intake Manifold Press. In./Hg	27 - 35	31 - 39	41 - 49	47 - 57	41 - 49	41 - 49	7
8 Torque Rise % - Curve	10 - NONE	13 - NONE	26 - NONE	50 - NONE	15 - NONE	15 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1930 - 1950	2230 - 2250	2230 - 2250	2330 - 2350	2030 - 2050	1930 - 1950	11
12 VS/Sec. Gov. Setting-RPM	1830 - 1850	2130 - 2150	2130 - 2150	2230 - 2250	1930 - 1950	2000 - 2050	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2190 @ 15	2540 @ 15	2620 @ 15		2223 @ 15	2223 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2070 @ 15	2420 @ 15	2480 @ 15		2051 @ 15	2051 @ 15	15
16 RS Gov. Setting-PSI @ RPM						15 @ 1870 - 1989	16
17 Low RS Gov. Setting-RPM						1700 -	17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2060 @ 15	2380 @ 15	2460 @ 15	2574 @ 15			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1940 @ 15	2260 @ 15	2320 @ 15	2324 @ 15			19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, 21 -	28, 20 -	28, 18 -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 713	300 @ 713	300 @ 713	300 @ 700	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 713 - 300	@ 713 - 300	@ 1025 - 300	@ 700 - 300	@ 700 - 300		24
25 Calibration PSI @ RPM	109 @ 1800	117 @ 2100	164 @ 2100	151 @ 1300	175 @ 1900	175 @ 1900	25
26 Calibration Flow	300	304	381	360	399	400	26
27 Check Point (1) PSI @ RPM	72 - 78 @ 1300	63 - 69 @ 1300	123 - 129 @ 1300	181 - 185 @ 2200	130 - 136 @ 1300	130 - 136 @ 1300	27
28 Check Point (1) Flow	242	212	317	400	343	345	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854	.780 - 143854	.775 - 143854	.800 - 143854	.775 - 143854	33
34 Idle Plunger Code - Part No.	45 - 138862	55 - 139619	20 - 141629	12 - 141626	17 - 140417	17 - 140417	34
35 Fuel Pump Housing	3069255	3069255	3821589	3821589	3821589	3821589	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3000940 - .185	3000936 - .122	3001147 - .050	3004755 - .000	3001147 - .000	143253 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3010810	3040750	3040760	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138796 - .040 - .590	138802 - .045 - .595	3053167 - .123 - .623	3035817 - .040 - .690	138782 - .040 - .690	3002055 - .010 - .605	41
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000	3069725 - .000	3069725 - .000	109687 - .000	109687 - .000	70821 - .000	42
43 VS Gov. Idle Spring	153240	153240	153240	70778	70778		43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly	3058944	3058944		3031297	3031298	3031298	47
48 AFC In./Hg - PSI				6 - 2.9	6 - 2.9	6 - 2.9	48
49 AFC RPM - PSI	1300 - 63	1300 - 55		1500 - 29	1600 - 22	1600 - 22	49
50 AFC Flow - pph	209	190		155	130	130	50
51 AFC Spring - Gage Height-In.	179818 -	179818 -		3007696 -	3000592 -	3000592 -	51
52 AFC Bias Spring	3071952	3071952					52
53 AFC No Air RPM - PSI	1300 - 68	1300 - 59		1600 - 70	1600 - 68	1600 - 68	53
54 AFC No Air Flow	218	197		240	234	234	54
55 ASA Valve				3020760			55
56 TMD Set with ST589 - Shims							56
57 TMD Spring				70691			57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		FS 2001	FS 2004				61
62 Certified Year/Agency				1992 EPA	1992 EPA	1992 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	LTA10-C	LTA10-C	LTA10-C	L10	L10	L10	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

(1) USE PRESSURIZED GEAR PUMP

(2) PRESSURIZED GEAR PUMP REQUIRED;

(3) PRESS GEAR PUMP REQUIRED

(4) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2324 RPM. USE FUEL PUMP HOUSING P/N 3821589. USE TMD PLUNGER #204 P/N 3003150 AND TMD SPRING P/N 70691 ST 589 SETTING @ .065" (TMD SHIMS = .120"). .025" ASA REQUIRED P/N 3020760. VENTED AFC PLUNGER REQUIRED P/N 3020739. TOR SPRING GAGE SETTING = .690". VS THROTTLE TRAVEL = 17 +/-2 DEGREES;

(5) PRESS GEAR PUMP REQUIRED. VS IDLE SETTING = 300 CC/MIN @ 700 RPM. MIN GOV CH PT @ 15 PSI = 2051 RPM. USE FUEL PUMP HSG P/N 3821589. TORQUE SP GAGE SETTING = .690". VS THROTTLE TRAVEL = 14 +/-2 DEGREES; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.

(6) PRESS GEAR PUMP REQUIRED. TORQUE SPRING GAGE SETTING = .605". MIN GOV CH PT @ 15 PSI = 2051 RPM. ROADSPED GOV TO BE SET @ 1700 RPM. ROADSPED GOV CH PT @ 15 PSI = 1870-1989 RPM USE FUEL PUMP HSG P/N 3821589. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.

1 Pump Code	X838-A	X839-A	X840-A	X841-A	X842-A	X843-A	
2 Date - Control Parts List	DEC92 - 1623	DEC92 - 1625	MAY92 - 1623	JAN93 - 1623	DEC92 - 1624	DEC92 - 1624	1
3 Test HP @ RPM	294 - 306 @ 1800	343 - 357 @ 2100	294 - 306 @ 2100	294 - 306 @ 2100	265 - 275 @ 2100	235 - 245 @ 2100	2
4 Governed Speed-RPM	1800	2100	2100	2100	2100	2100	3
5 Engine Fuel PSI	165 - 183	213 - 235	169 - 187	169 - 187	156 - 172	134 - 148	4
6 Fuel Rate Pound Per Hour	93 - 97	112 - 116	97 - 101	97 - 101	90 - 94	81 - 85	5
7 Intake Manifold Press. In./Hg	39 - 47	47 - 57	42 - 50	42 - 50	45 - 55	40 - 48	6
8 Torque Rise % - Curve	9 - NONE	9 - NONE	15 - NONE	4 - NONE	27 - NONE	25 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	2230 - 2250	2230 - 2250	2230 - 2250	2130 - 2150	2130 - 2150	10
12 VS/Sec. Gov. Setting-RPM	1839 - 1850	2130 - 2150	2130 - 2150	2130 - 2150	2200 - 2250	2230 - 2250	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2190 @ 15		2457 @ 15	2457 @ 15	2457 @ 15	2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2040 @ 15		2236 @ 15	2236 @ 15	2223 @ 15	2209 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2106 @ 15	2457 @ 15					17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1959 @ 15	2259 @ 15					18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 740	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 300	@ 700 - 300	@ 700 - 305	@ 700 - 300	@ 1200 - 125	@ 1200 - 125	23
25 Calibration PSI @ RPM	175 @ 1800	224 @ 2100	178 @ 2100	178 @ 2100	164 @ 2100	141 @ 2100	24
26 Calibration Flow	400	457	405	405	390	360	25
27 Check Point (1) PSI @ RPM	128 - 134 @ 1300	128 - 134 @ 1300	109 - 115 @ 1300	94 - 100 @ 1300	115 - 121 @ 1300	93 - 99 @ 1300	26
28 Check Point (1) Flow	347	342	320	295	335	295	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.800 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143855	32
34 Idle Plunger Code - Part No.	17 - 140417	20 - 141629	27 - 141632	35 - 140922	25 - 141631	35 - 140922	33
35 Fuel Pump Housing	3821589	3821589	3821589	3821589	3821589	3821589	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143253 - .125	3001157 - .000	153236 - .000	147295 - .000	3001147 - .000	143253 - .125	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	138780 - .030 - .680	138781 - .010 - .680	138584 - .050 - .700	138780 - .000 - .650	3002049 - .005 - .655	3002048 - .017 - .667	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109688 - .000	109687 - .000	109686 - .000	109686 - .000	109686 - .000	41
43 VS Gov. Idle Spring	153240	70778	70778	153240			42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3031298	3031298	3031298	3031298	3031297	3031297	46
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	47
49 AFC RPM - PSI	1600 - 22	1600 - 22	1600 - 22	1600 - 30	1600 - 36	1600 - 36	48
50 AFC Flow - pph	130	130	130	150	174	175	49
51 AFC Spring - Gage Height-In.	3000592 -	3000592 -	3000592 -	179830 -	179828 -	179828 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 56	1600 - 61	52
54 AFC No Air Flow	234	234	234	238	210	221	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	61
63 Certified Year/Agency						1992 CARB	62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model		L10	L10	L10	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP REQUIRED. MIN. GOV CHECK POINT @ 15 PSI = 1959 RPM'S; TORQUE SPRING GAGE SETTING = .680"; USE FUEL PUMP HOUSING P/N 3821589; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (2) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2289 RPM. USE FUEL PUMP HSG P/N 3821589. TOR SPRING GAGE SETTING = .660". RESTRICTED TO FIRE TRUCK APPLICATION ONLY. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223 HAVE. SUPERCEDED BY CPL 1346 AND NOW CPL 1442.
- (3) PRESSURIZED GEAR PUMP REQUIRED; TORQUE SPRING GAGE SETTING = .700"; USE FUEL PUMP HOUSING P/N 3821589; MIN GOVERNOR CHECK POINT @ 15PSI = 2236 RPM'S VS IDLE = 300 CC/MIN @ 700 RPM'S; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (4) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2236 RPM. USE FUEL PUMP HOUSING P/N 3821589; TORQUE SPRING GAGE SETTING = .650"; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (5) PRESS GEAR PUMP REQUIRED. .030" ASA REQUIRED P/N 3074123. VENTED AFC PLUNGER REQ P/N 3020739. TOR SHIM GAGE SETTING = .655". SET THE ROAD SPEED GOVERNOR TO 125 CC/MIN. @ 1200 RPM'S WITH THE THROTTLE OPEN AND . THE AIR OFF. USE .110" SHIMS ON THE VS GOV SPRING; COMPLIES TO N-AMERICAN BUS REGULATIONS.
- (6) SET ROAD SPEED GOV TO 125 CC/MIN @ 1200 RPM. WITH THE THROTTLE OPEN AND THE AIR OFF. TOR SPRING GAGE SETTING = .667". USE FUEL PUMP HSG P/N 3821589. USE .030" ASA P/N 3074123. USE VENTED AFC PLUNGER P/N 3020739. USE .090" SHIMS ON THE VS GOV SPRING; MIN GOV CH PT @ 15 PSI = 2209 RPM. PRESS GEAR PUMP REQUIRED. COMPLIES TO N-AMERICAN BUS REGULATIONS.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X844-A - X849-A

1 Pump Code	X844-A	X845-A	X846-A	X847-A	X848-A	X849-A	1
2 Date - Control Parts List	DEC92 - 1624	DEC92 - 1622	DEC92 - 1622	MAY92 - 1620	MAY92 - 1620	MAY92 - 1620	2
3 Test HP @ RPM	235 - 245 @ 2100	235 - 245 @ 2100	235 - 245 @ 2100	235 - 245 @ 1900	235 - 245 @ 1900	235 - 245 @ 2100	3
4 Governed Speed-RPM	2100	2100	2100	1900	1900	2100	4
5 Engine Fuel PSI	134 - 148	134 - 148	141 - 155	122 - 134	125 - 139	130 - 144	5
6 Fuel Rate Pound Per Hour	81 - 85	81 - 85	81 - 85	77 - 81	77 - 81	79 - 83	6
7 Intake Manifold Press. In./Hg	40 - 48	40 - 48	40 - 48	34 - 42	34 - 42	36 - 44	7
8 Torque Rise % - Curve	45 - NONE	45 - NONE	45 - NONE	29 - NONE	29 - NONE	50 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	2120 - 2140	2230 - 2250	2230 - 2250	2030 - 2050	1930 - 1950	2230 - 2250	11
12 VS/Sec. Gov. Setting-RPM	2310 - 2330	2130 - 2150	2130 - 2150	1930 - 1950	2030 - 2050	2130 - 2150	12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	2500 @ 15				2223 @ 15		14
15 Min. Auto. Gov. Check-RPM @ PSI	2380 @ 15				2021 @ 15		15
16 RS Gov. Setting-PSI @ RPM					15 @ 1833 - 1990		16
17 Low RS Gov. Setting-RPM					1700 - 1730		17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2640 @ 15	2457 @ 15	2457 @ 15	2223 @ 15		2457 @ 15	18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2520 @ 15	2209 @ 15	2209 @ 15	2021 @ 15		2209 @ 15	19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, 18 -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	305 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 1200 - 125	@ 700 - 300	@ 700 - 300	@ 713 - 300		@ 700 - 300	24
25 Calibration PSI @ RPM	141 @ 2100	141 @ 2100	148 @ 2100	132 @ 1900	135 @ 1900	123 @ 1300	25
26 Calibration Flow	361	360	360	345	345	326	26
27 Check Point (1) PSI @ RPM	117 - 123 @ 1300	116 - 122 @ 1300	125 - 130 @ 1300	112 - 118 @ 1300	110 - 116 @ 1300	134 - 140 @ 2100	27
28 Check Point (1) Flow	330	330	323	320	320	350	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.775 - 143854	.750 - 143854	.780 - 143854	.775 - 143854	.780 - 143854	.775 - 143854	33
34 Idle Plunger Code - Part No.	17 - 140417	20 - 141629	15 - 139894	27 - 141632	25 - 141631	22 - 141630	34
35 Fuel Pump Housing	3821589	3821589	3069255	3821589	3821589	3821589	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3053106 - .120	3053101 - .140	3053101 - .150	3053106 - .000	3053106 - .085	3053106 - .000	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053174 - .102 - .593	3053171 - .135 - .635	3053171 - .120 - .620	3053173 - .085 - .585	3002058 - .015 - .615	3053173 - .110 - .610	41
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109687 - .000	109687 - .000	70821 - .000	109686 - .000	109686 - .000	42
43 VS Gov. Idle Spring	70778	70778	153240	70778	70778	70778	43
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	44
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	45
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	46
47 AFC Barrel & Plunger Assembly	3031297	3031297	3070590	3031298	3031298	3031298	47
48 AFC In./Hg - PSI	6 - 2.9	6 - 2.9		8 - 3.9	8 - 3.9	8 - 3.9	48
49 AFC RPM - PSI	1600 - 56	1600 - 36	1600 - 54	1600 - 76	1600 - 76	1600 - 76	49
50 AFC Flow - pph	174	174	212	256	256	256	50
51 AFC Spring - Gage Height-In.	179828 -	179828 -	179824 - .117	179822 -	179822 -	179822 -	51
52 AFC Bias Spring			3051069				52
53 AFC No Air RPM - PSI	1600 - 56	1600 - 73	1600 - 73	1600 - 68	1600 - 68	1600 - 68	53
54 AFC No Air Flow	210	247	251	238	238	238	54
55 ASA Valve	3074123						55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve			FS 2005				61
62 Certified Year/Agency	1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	LTA10-B	L10	L10	L10	L10	L10	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) SET ROADSPEED GOV TO 125 CC/MIN @ 1200 RPM. WITH THE THROTTLE OPEN AND THE AIR OFF. USE .090" SHIMS ON THE VS GOV SPRING; COMPLIES TO N AMERICAN BUS REGULATIONS.
- (2) MIN GOV CH PT @ 15 PSI = 2209 RPM. USE VENTED AFC PLUNGER P/N 3020739. USE .040" ASA P/N 3042360. PRESS GEAR PUMP REQUIRED. TORQUE SPRING GAGE SETTING TO BE .635"; VS IDLE SETTING @ 300 CC/MIN @ 700 RPM. USE FUEL PUMP HSG P/N 3821589. VS THROTTLE TRAVEL = 16 +/- 2 DEGREES;
- (3) MIN GOV CH PT @ 15 PSI = 2209 RPM. DSAFC W/EDM BARREL AND PLUNGER P/N 30707591; USE AFC BIAS SPRING P/N 3051069; SHIM AFC MAIN SPRING TO 1.320"; TORQUE SPRING GAGE SETTING = .620"; VS IDLE SETTING @ 300 CC/MIN @ 700 RPM. USE FUEL PUMP HOUSING P/N 3069255; VS THROTTLE TRAVEL = 23 +/- 2 DEGREES;
- (4) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2021 RPM. TOR SPRING GAGE SETTING = .585". USE FUEL PUMP HGS P/N 3821589. VS IDLE SETTING = 300 CC/MIN @ 700 RPM; VS THROTTLE TRAVEL = 20 +/- 2 DEGREES;
- (5) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2021 RPM. TORQUE SPRING GAGE SETTING = .615"; USE FUEL PUMP HGS P/N 3821589. ROADSPEED GOVERNOR TO BE SET AT 1700 RPM; ROADSPEED GOV @ 15 PSI = 1836-1989 RPMs;
- (6) PRESS GEAR PUMP REQUIRED. VS IDLE = 300 CC/MIN @ 700 RPM. MIN GOV CH PT @ 15 PSI = 2209 RPM. USE FUEL PUMP HSG P/N 3821589. USE TMD PLUNGER #204 P/N 3003150. TMD REGULATOR P/N 186997 ST 589 SET @ .025" (.180" SHIMS). TOR SPRING GAGE SETTING @ .610". VS THROTTLE TRAVEL = 18 +/- 2 DEGREES;

1 Pump Code	X850-A	X851-A	X852-A	X853-A	X854-A	X855-A	
2 Date - Control Parts List	MAY92 - 1620	MAY92 - 1623	JUN92 - 1623	JUN92 - 1623	JUN92 - 1623	AUG92 - 1620	1
3 Test HP @ RPM	245 - 255 @ 2200	294 - 306 @ 2100	294 - 306 @ 2100	294 - 306 @ 2100	294 - 306 @ 2100	265 - 275 @ 1900	2
4 Governed Speed-RPM	2200	2100				1900	3
5 Engine Fuel PSI	138 - 152	169 - 187	165 - 183	169 - 187	177 - 195	148 - 164	4
6 Fuel Rate Pound Per Hour	84 - 88	97 - 101	97 - 101	97 - 101	97 - 101	86 - 89	5
7 Intake Manifold Press. In./Hg	39 - 47	42 - 50	42 - 50	42 - 50	42 - 50	39 - 47	6
8 Torque Rise % - Curve	51 - NONE	26 - NONE	27 - NONE	15 - NONE	27 - NONE	15 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300			- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2300 - 2350	2130 - 2150	2230 - 2250	2230 - 2250	2230 - 2250	2030 - 2050	10
12 VS/Sec. Gov. Setting-RPM	2230 - 2250	2230 - 2250	2130 - 2150	2130 - 1250	2130 - 2150	1930 - 1950	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2574 @ 15	2457 @ 15		2457 @ 15	2457 @ 15	2223 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2309 @ 15	2236 @ 15				2036 @ 15	14
16 RS Gov. Setting-PSI @ RPM		15 @ 2090 - 2223					15
17 Low RS Gov. Setting-RPM		1900 -					16
18 Max. VS/Sec. Gov. Check-RPM @ PSI			2457 @ 15				17
19 Min. VS/Sec. Gov. Check-RPM @ PSI			2236 @ 15				18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, 18 -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 300	@ 700 - 300	@ 700 - 300	@ 700 - 300	@ 700 - 300	@ 700 - 300	23
25 Calibration PSI @ RPM	149 @ 2200	178 @ 2100	178 @ 2100	178 @ 2100	186 @ 2100	156 @ 1900	24
26 Calibration Flow	372	406	406	405	410	377	25
27 Check Point (1) PSI @ RPM	120 - 126 @ 1300	128 - 134 @ 1300	130 - 136 @ 1300	109 - 115 @ 1300	135 - 141 @ 1300	111 - 117 @ 1300	26
28 Check Point (1) Flow	338	340	350	320	350	315	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	17 - 140417	20 - 141629	27 - 141632	15 - 139894	25 - 141631	33
35 Fuel Pump Housing	3821589	3821589	3821589	3821589	3821589	3821589	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3053101 - .000	3001147 - .000	3004756 - .000	153236 - .000	3001147 - .000	143253 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3053178 - .120 - .620	3002057 - .045 - .645	3002049 - .040 - .690	139584 - .050 -	3002049 - .020 -	138782 - .030 - .680	40
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	109687 - .000	109686 - .000	109687 - .000	109687 - .000	109686 - .000	41
43 VS Gov. Idle Spring	70778	70778	70778	70778	153240	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3031298	3031298	3031298	3031298	3031298	3031298	46
48 AFC In./Hg - PSI	8 - 3.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	8 - 3.9	47
49 AFC RPM - PSI	1600 - 76	1600 - 22	1600 - 22	1600 - 22	1600 - 22	1600 - 76	48
50 AFC Flow - pph	256	130	130	130	130	256	49
51 AFC Spring - Gage Height-In.	179822 -	3000592 -	3000592 -	3000592 -	3000592 -	179822 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	52
54 AFC No Air Flow	238	238	234	234	234	238	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	L10	L10	LTA10	LTA10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3821589. MIN GOV CH PT @ 15 PSI = 2309 RPM. TOR SPRING GAGE SETTING = .620". VS IDLE SETTING = 300 CC/MIN @ 700 RPM. VS THROTTLE TRAVEL = +/- 2 DEGREES;
- (2) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3821589. MIN GOV CH PT @ 15 PSI = 2236 RPM. TOR SPRING GAGE SETTING = .645". ROADSPEED TO BE SET @ 1900 RPM. ROADSPEED GOV CH PT @ 15 PSI = 2090-2223 RPM REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (3) MIN GOV. CH PT @ 15 PSI = 2236 RPM. PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HSG P/N 3821589. TOR SPRING GAGE SETTING = .690". VS IDLE SETTING 300 CC/MIN @ 700 RPM. VS THROTTLE TRAVEL = 18 +/- 2 DEGREES; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (4) PRESSURIZED GEAR PUMP REQUIRED. TOR SPRING GAGE SETTING = .700". USE FUEL PUMP HOUSING P/N 3821589; MIN GOV CH PT @ 15 PSI = 2236 RPM'S; VS IDLE = 300 CC/MIN @ 700 RPM'S; REQUIRES STELLITE FACED VALVES RATINGS; OF 285 H.P. AND ABOVE WHICH WERE CPL 1223; ARE SUPERCEDED BY CPL 1346 & NOW CPL 1623;
- (5) MIN GOV. CH PT @ 15 PSI = 2236 RPM. CLASSFIT AFC REQUIRED P/N 3041494; USE FUEL PUMP HOUSING P/N3057808; TORQUE SPRING GAGE SETTING = .670"; VS IDLE SETTING 300 CC/MIN @ 700 RPM. VS THROTTLE TRAVEL = 22 +/- 2 DEGREES; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346. PRESSURIZED GEAR PUMP REQUIRED;
- (6) PRESS GEAR PUMP REQUIRED. MIN GOV CH PT @ 15 PSI = 2036 RPM'S. TOR SHIM GAGE SETTING = .680". USE FUEL PUMP HSG P/N 3821589.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X856-A - X861-A

1 Pump Code	X856-A	X857-A	X858-A	X859-A	X860-A	X861-A	
2 Date - Control Parts List	AUG92 - 1620	AUG92 - 1619	AUG92 - 1623	AUG92 - 1623	AUG92 - 1619	JUN92 - 1623	1
3 Test HP @ RPM	265 - 275 @ 1900	265 - 275 @ 2100	279 - 291 @ 2200	279 - 291 @ 2200	265 - 275 @ 2100	314 - 326 @ 2100	2
4 Governed Speed-RPM		2100	2200	2200	2100	2100	3
5 Engine Fuel PSI	147 - 163	145 - 161	159 - 175	159 - 175	145 - 161	186 - 206	4
6 Fuel Rate Pound Per Hour	86 - 90	88 - 92	94 - 98	94 - 98	87 - 91	102 - 106	5
7 Intake Manifold Press. In./Hg	39 - 47	37 - 45	40 - 48	40 - 48	36 - 44	43 - 51	6
8 Torque Rise % - Curve	15 - NONE	41 - NONE	40 - NONE	26 - NONE	27 - NONE	19 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	2230 - 2250	2330 - 2350	2330 - 2350	2230 - 2250	2230 - 2250	10
12 VS/Sec. Gov. Setting-RPM	2030 - 2050	2130 - 2150	2232 - 2250	2232 - 2250	2130 - 2150	2130 - 2150	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI			2574 @ 15	2600 @ 15	2457 @ 15	2457 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI			2324 @ 15	2480 @ 15		2245 @ 15	14
16 RS Gov. Setting-PSI @ RPM	15 @ 1870 - 1990						15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2223 @ 15	2457 @ 15		2574 @ 15			17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2035 @ 15	2457 @ 15		2324 @ 15			18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	300 @ 700	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 300	@ 700 - 300	@ 700 - 300	@ 700 - 300	@ 700 - 300	@ 700 - 300	23
25 Calibration PSI @ RPM	155 @ 1900	153 @ 2100	167 @ 2200	167 @ 2200	157 @ 2100	196 @ 2100	24
26 Calibration Flow	375	375	396	396	380	427	25
27 Check Point (1) PSI @ RPM	111 - 117 @ 1300	128 - 134 @ 1300	129 - 135 @ 1300	110 - 116 @ 1300	114 - 120 @ 1300	130 - 136 @ 1300	26
28 Check Point (1) Flow	320	342	348	325	325	345	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.800 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	.775 - 143854	32
34 Idle Plunger Code - Part No.	25 - 141631	12 - 141626	15 - 139894	27 - 141632	25 - 141631	17 - 140417	33
35 Fuel Pump Housing	3821589	3821589	3821589	3821589	3821589	3821589	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153238 - .000	3053101 - .000	3004755 - .000	143252 - .090	3001147 - .000	143252 - .000	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	39
41 Torque Spring - Shims - Gage Height	3002055 - .000 - .600	3053178 - .105 -	3053174 - .120 - .620	3002050 - .040 - .690	3002050 - .030 -	3002047 - .060 - .710	40
42 VS Gov. Max. Spring - Ref. Shims	109686 - .000	109686 - .000	109687 - .000	109688 - .000	70822 - .000	109687 - .000	41
43 VS Gov. Idle Spring		70778	70778	153240	153240	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3031298	3031298	3031298	3031298	3031298	3031298	46
48 AFC In./Hg - PSI	8 - 3.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	6 - 2.9	47
49 AFC RPM - PSI	1600 - 76	1600 - 22	1600 - 22	1600 - 22	1600 - 22	1600 - 22	48
50 AFC Flow - pph	256	130	130	130	130	130	49
51 AFC Spring - Gage Height-In.	179822 -	3000592 -	3000592 -	3000592 -	3000592 -	3000592 -	50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	1600 - 68	52
54 AFC No Air Flow	234	239	239	234	234	234	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	1992 EPA	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	L10	L10	L10	L10	L10	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) PRESSURIZED GEAR PUMP REQUIRED; TORQUE SPRING GAGE SETTING = .600"; USE FUEL PUMP HOUSING P/N 3821589; USE .060" SHIMS ON THE VS GOV SPRING; MIN GOV CHECK POINT @ 15 PSI = 2035 RPM'S; ROADSPEED GOV CHECK PT @ 15 PSI = 1870-1989. ROADSPEED GOV TO BE SET @ 1700 RPM'S;
- (2) PRESS GEAR PUMP REQUIRED. TOR SPRING GAGE SETTING = .605". MIN GOV CH PT @ 15 PSI = 2223 RPM. USE FUEL PUMP HSG P/N 3821589. VS IDLE SETTING 300 CC/MIN @ 700 RPM. VS THROTTLE TRAVEL = 19 +/-2 DEGREES;
- (3) PRESS GEAR PUMP REQUIRED. VS IDLE SETTING = 300 CC/MIN @ 700 RPM. MIN GOV CH PT @ 15 PSI = 2324 RPM. USE FUEL PUMP HSG 3821589. TORQUE SPRING GAGE SETTING = .620". VS THROTTLE TRAVEL = 19 +/-2 DEGREES; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (4) PRESS GEAR PUMP REQUIRED. VS IDLE SETTING = 300 CC/MIN @ 700 RPM. MIN GOV CH PT @ 15 PSI = 2324 RPM. USE FUEL PUMP HSG 3821589. TORQUE SPRING GAGE SETTING = .690". VS THROTTLE TRAVEL = 20 +/-2 DEGREES; REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.
- (5) PRESS GEAR PUMP REQUIRED. USE FUEL PUMP HGS P/N 3821589; TORQUE SPRING GAGE SETTING = .680"; MIN GOV CH PT @ 15 PSI = 2223 RPM'S; VS THROTTLE TRAVEL = 16 +/- 2 DEGREES; VS IDLE SETTING = 300 CC/MIN @ 700 RPM'S;
- (6) PRESS GEAR PUMP REQUIRED. TOR SPRING GAGE SETTING = .710". MIN GOV CH PT @ 15 PSI = 2245 RPM. VS IDLE SETTING = 300 CC/MIN @ 700 RPM. RESTRICTED TO FIRETRUCK APPLICATION ONLY. RESTRICTED TO 7,500 FOOT ALTITUDE LIMIT. USE FUEL PUMP HSG P/N 3821589. REQUIRES STELLITE FACED VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL 1223. HAVE BEEN SUPERCEDED BY CPL 1346.

1 Pump Code	X862-B	X863-B	X864-A	X865-A	X866-A	X867-A	
2 Date - Control Parts List	JUN93 - 1413	JAN93 - 1413	JUN92 - 1413	JUN92 - 1413	JUL92 - 1413	DEC92 - 1413	1
3 Test HP @ RPM	270 - 280 @ 1800	280 - 286 @ 2100	265 - 275 @ 2100	284 - 296 @ 2100	284 - 296 @ 2100	274 - 286 @ 1900	2
4 Governed Speed-RPM		2100		2100			3
5 Engine Fuel PSI	155 - 171	168 - 186	159 - 175	174 - 192	181 - 200	161 - 177	4
6 Fuel Rate Pound Per Hour	88 - 92	96 - 100	92 - 96	98 - 102	98 - 102	91 - 95	5
7 Intake Manifold Press. In./Hg	41 - 49	45 - 55	45 - 53	46 - 56	46 - 56	43 - 51	6
8 Torque Rise % - Curve	8 - NONE	30 - NONE	41 - NONE	31 - NONE	20 - NONE	12 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	2230 - 2250	2230 - 2250	2340 - 2360	2230 - 2250	2030 - 2050	10
12 VS/Sec. Gov. Setting-RPM	1830 - 1850	2130 - 2150	2130 - 2150		2130 - 2150	1930 - 1950	11
13 Cruise Speed-PSI @ RPM				116 - 128 @ 2320			12
14 Max. Auto. Gov. Check-RPM @ PSI	2240 @ 15	2580 @ 15	2580 @ 15	2700 @ 15	2560 @ 15	2305 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2120 @ 15	2460 @ 15	2460 @ 15	2580 @ 15	2440 @ 15	2185 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2100 @ 15	2400 @ 15	2460 @ 15	2600 @ 15	2430 @ 15	2187 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1980 @ 15	2280 @ 15	2340 @ 15	2480 @ 15	2310 @ 15	2067 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, 16 -	28, 19 -	28, 18 -	28, 13 -	28, 21 -	28, 16 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 712	300 @ 713	300 @ 800	300 @ 800	300 @ 713	300 @ 713	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 1025 - 300	@ 1000 - 300	@ 910 - 300	@ 910 - 300	@ 713 - 300	@ 713 - 300	23
25 Calibration PSI @ RPM	163 @ 1800	177 @ 2100	137 @ 1300	137 @ 1300	190 @ 2100	169 @ 1900	24
26 Calibration Flow	375	399	335	335	404	384	25
27 Check Point (1) PSI @ RPM	114 - 124 @ 1300	130 - 136 @ 1300	164 - 170 @ 2100	180 - 186 @ 2100	123 - 129 @ 1300	115 - 121 @ 1300	26
28 Check Point (1) Flow	312	333	385	404	312	312	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	32
34 Idle Plunger Code - Part No.	20 - 141629	17 - 140417	17 - 140417	17 - 140417	20 - 141629	25 - 141631	33
35 Fuel Pump Housing	3069255	3069255	3069255	3069255	3069255	3069255	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153238 - .145	143253 - .075	3001156 - .075	3000936 - .150	153236 - .085	153237 - .137	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040760	39
41 Torque Spring - Shims - Gage Height	138999 - .065 - .565	3821488 - .021 - .621	138792 - .040 - .640	139587 - .034 - .634	3053159 - .115 - .615	138790 - .030 - .630	40
42 VS Gov. Max. Spring - Ref. Shims	3069724 - .000	109686 - .000	3069725 - .000	109690 - .000	109687 - .000	70821 - .000	41
43 VS Gov. Idle Spring	153240	70778	153240	3077619	153240	153240	42
44 VS Gov. Weights	163826	163826	163826	107261	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3070590	3070590	3070590	3070590	3070590	3070590	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1300 - 50	1300 - 40	1300 - 50	1300 - 45	1300 - 54	1300 - 50	48
50 AFC Flow - pph	195	175	195	175	195	195	49
51 AFC Spring - Gage Height-In.	179820 - .117	179820 - .117	179820 - .117	179820 - .117	179820 - .117	179820 - .117	50
52 AFC Bias Spring	3071950	3071950	3071950	3071950	3071950	3071950	51
53 AFC No Air RPM - PSI	1300 - 55	1300 - 50	1300 - 55	1300 - 55	1300 - 59	1300 - 55	52
54 AFC No Air Flow	206	206	206	206	206	206	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims			.040 - .075	.060 - .120			55
57 TMD Spring			70691	70691			56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve					FS 2001		60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LTA10-C	LTA10-C	LTA10-C	LTA10-C	LTA10-C	LTA10-C	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)			66

NOTES

(1) PRESSURIZED GEAR REQUIRED.

(2) PRESS GEAR PUMP REQUIRED FOR AG SPECS ONLY

(3) RESTRICTED TO J I CASE 921 FRONTEND LOADER; RESTRICTED TO 9850 FT ALTITUDE;

(4) RESTRICTED TO KOMATSU WA450 FRONT END LOADER WITH TORQUE CONVERTERS; RESTRICTED TO 9850 FT ALTITUDE;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X868-B - X873-A

1 Pump Code	X868-B	X869-A	X870-A	X871-B	X872-B	X873-A	
2 Date - Control Parts List	JUN92 - 1412	JUL92 - 1413	JUN92 - 1412	OCT92 - 1413	APR93 - 1414	MAY93 - 1560	1
3 Test HP @ RPM	319 - 332 @ 2100	284 - 296 @ 2100	309 - 321 @ 1800	270 - 280 @ 1800	233 - 237 @ 2100	274 - 288 @ 1700	2
4 Governed Speed-RPM						1950	3
5 Engine Fuel PSI	146 - 162	174 - 192	139 - 153	155 - 171	139 - 145	105 - 115	4
6 Fuel Rate Pound Per Hour	106 - 111	98 - 102	99 - 103	88 - 92	84 - 86	93 - 97	5
7 Intake Manifold Press. In./Hg	47 - 57	46 - 56	44 - 52	41 - 49	38 - 46	42 - 50	6
8 Torque Rise % - Curve	20 - NONE	20 - NONE	6 - NONE	8 - NONE	38 - NONE	- NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1300	- @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2230 - 2250	2230 - 2250	1980 - 2000	1930 - 1950	2230 - 2250		10
12 VS/Sec. Gov. Setting-RPM	2130 - 2150	2130 - 2150	1830 - 1850	1830 - 1850	2130 - 2150	2130 - 2150	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2560 @ 15	2560 @ 15	2260 @ 15	2240 @ 15	2582 @ 15	98 - 102 @ 1950	13
15 Min. Auto. Gov. Check-RPM @ PSI	2440 @ 15	2440 @ 15	2140 @ 15	2120 @ 15	2462 @ 15	2250 @ 15	14
16 RS Gov. Setting-PSI @ RPM						2150 @ 15	15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2410 @ 15	2430 @ 15	2100 @ 15	2100 @ 15	2428 @ 15	2430 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2290 @ 15	2310 @ 15	1980 @ 15	1980 @ 15	2308 @ 15	2300 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, 24 -	28, 21 -	28, -	28, 16 -	28, 18 -	28, 19 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 713	300 @ 713	300 @ 713	300 @ 712	300 @ 713	300 @ 713	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 713 - 300	@ 713 - 300	@ 1000 - 300	@ 1000 - 300	@ 875 - 300	@ 713 - 300	23
25 Calibration PSI @ RPM	154 @ 2100	183 @ 2100	146 @ 1800	170 @ 1800	142 @ 2100	110 @ 1700	24
26 Calibration Flow	465	404	447	375	350	417	25
27 Check Point (1) PSI @ RPM	99 - 105 @ 1300	116 - 122 @ 1300	99 - 105 @ 1300	123 - 129 @ 1300	104 - 110 @ 1300	85 - 91 @ 1200	26
28 Check Point (1) Flow	368	312	368	312	297	368	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854	.775 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	32
34 Idle Plunger Code - Part No.	25 - 141631	22 - 141630	27 - 141632	20 - 141629	27 - 141632	22 - 141630	33
35 Fuel Pump Housing	3069255	3069255	3069255	3069255	3069255	3893833	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	153236 - .095	153236 - .095	153236 - .105	153238 - .155	143254 - .160	3036899 - .167	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040760	3074330	39
41 Torque Spring - Shims - Gage Height	3002056 - .029 - .629	3053159 - .109 - .609	138794 - .067 - .617	138999 - .065 - .565	3053172 - .100 - .600	3053169 - .060 - .560	40
42 VS Gov. Max. Spring - Ref. Shims	3069725 - .000	109687 - .000	3069724 - .000	3069724 - .000	3069725 - .000	109688 - .000	41
43 VS Gov. Idle Spring	153240	153240	153240	70778	153240	153240	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3070590	3070590	3070590	3070590	3058944	3070590	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1300 - 40	1300 - 50	1300 - 40	1300 - 54	1300 - 75	1200 - 23	48
50 AFC Flow - pph	208	195	208	195	244	174	49
51 AFC Spring - Gage Height-In.	179822 - .117	179820 - .117	179822 - .117	179820 - .117	179818 -	179828 - .117	50
52 AFC Bias Spring	3071704	3071950	3071704	3071950	3071952	3071704	51
53 AFC No Air RPM - PSI	1300 - 55	1300 - 55	1300 - 55	1300 - 59	1300 - 95	1200 - 26	52
54 AFC No Air Flow	254	206	254	206	278	186	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve				FS 2001		FS 2010	60
62 Certified Year/Agency						1992 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LTA10-C	LTA10-C	LTA10-C	LTA10-C	LTA10-C	91STC-L10-280	65
67 Notes					SEE NOTE (5)		66

NOTES

(5) PRESSURIZED GEAR PUMP REQUIRED

1 Pump Code	X874-A	X875-A	X876-A	X877-A	X878-A	X879-A	
2 Date - Control Parts List	OCT92 - 1414	OCT92 - 1414	OCT92 - 1413	FE993 - 1626	APR93 - 1626	OCT92 - 1660	1
3 Test HP @ RPM	245 - 255 @ 2100	186 - 194 @ 2100	274 - 286 @ 1900	319 - 332 @ 1800	314 - 326 @ 2000	280 - 286 @ 2100	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	145 - 161	105 - 116	167 - 185	154 - 170	151 - 167	168 - 186	4
6 Fuel Rate Pound Per Hour	87 - 91	69 - 72	91 - 95	105 - 109	106 - 110	96 - 100	5
7 Intake Manifold Press. In./Hg	41 - 49	31 - 39	43 - 51	45 - 53	45 - 53	45 - 55	6
8 Torque Rise % - Curve	20 - NONE	13 - NONE	12 - NONE	3 - NONE	14 - NONE	30 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1500	- @ 1500	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2230 - 2250	2230 - 2250	2030 - 2050	1940 - 1960	2130 - 2150	2230 - 2250	10
12 VS/Sec. Gov. Setting-RPM	2130 - 2150	2130 - 2150	1930 - 1950	1830 - 1850	2030 - 2050	2130 - 2150	11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2536 @ 15	2530 @ 15	2340 @ 15	2260 @ 15	2475 @ 15	2580 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2416 @ 15	2410 @ 15	2220 @ 15	2140 @ 15	2365 @ 15	2460 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2384 @ 15	2380 @ 15	2200 @ 15	2100 @ 15	2285 @ 15	2430 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2264 @ 15	2260 @ 15	2080 @ 15	1980 @ 15	2165 @ 15	2300 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, 25 -	28, 20 -	28, 18 -	28, 16 -	28, 19 -	28, 19 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 713	300 @ 713	300 @ 713	300 @ 713	300 @ 713	300 @ 713	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 713 - 300	@ 713 - 300	@ 713 - 300	@ 1000 - 300	@ 800 - 300	@ 1000 - 300	23
25 Calibration PSI @ RPM	160 @ 2100	110 @ 2100	176 @ 1900	162 @ 1800	159 @ 2000	176 @ 2100	24
26 Calibration Flow	365	304	384	474	474	398	25
27 Check Point (1) PSI @ RPM	97 - 103 @ 1300	55 - 61 @ 1300	122 - 128 @ 1300	127 - 133 @ 1500	127 - 133 @ 1500	133 - 139 @ 1300	26
28 Check Point (1) Flow	275	210	312	421	421	333	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.800 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	32
34 Idle Plunger Code - Part No.	32 - 141634	62 - 141636	22 - 141630	25 - 141631	27 - 141632	15 - 139894	33
35 Fuel Pump Housing	3069255	3069255	3069255	3069255	3069255	3069255	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3001155 - .080	3000936 - .138	153237 - .115	3000939 - .167	143252 - .085	143254 - .154	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040760	3040750	3040760	3040760	3040760	3040750	39
41 Torque Spring - Shims - Gage Height	139588 - .030 - .630	138999 - .065 - .565	138800 - .065 - .615	138805 - .044 - .544	3053159 - .090 - .590	3821489 - .020 - .620	40
42 VS Gov. Max. Spring - Ref. Shims	3069724 - .000	3069725 - .000	3069725 - .000	3069724 - .000	3069725 - .000	3069725 - .000	41
43 VS Gov. Idle Spring	153240	153240	153240	70778	70778	70778	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3058944	3058944	3070590	3070590	3070590	3070590	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1300 - 81	1300 - 51	1300 - 54	1500 - 50	1500 - 50	1300 - 40	48
50 AFC Flow - pph	242	190	195	251	251	175	49
51 AFC Spring - Gage Height-In.	179818 -	179818 -	179820 - .117	179826 - .117	179826 - .117	179820 - .117	50
52 AFC Bias Spring	3071952	3071952	3071950	3071951	3071951	3071950	51
53 AFC No Air RPM - PSI	1300 - 88	1300 - 55	1300 - 59	1500 - 55	1500 - 55	1300 - 50	52
54 AFC No Air Flow	254	197	206	263	263	206	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve	FS 2001		FS 2001				60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LTA10-C	LTA10-C	LTA10-C	LTA10-C	LTA10-C	LTA10-A	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)			SEE NOTE (6)	66

NOTES

- (1) PRESS GEAR PUMP REQUIRED
 (2) PRESSURIZED GEAR PUMP REQUIRED;
 (3) CHECK VALVES REQUIRED.
 (6) PRESS GEAR PUMP REQUIRED AG SPEC FOR AG USE ONLY;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X880-A - X885-A

1 Pump Code	X880-A	X881-A	X882-A	X883-A	X884-A	X885-A	
2 Date - Control Parts List	OCT92 - 1414	DEC92 - 1414	DEC92 - 1674	MAY93 - 1558	DEC93 - 1414	JAN93 - 1414	1
3 Test HP @ RPM	196 - 204 @ 1800	235 - 245 @ 1800	284 - 296 @ 2100	304 - 316 @ 1600	221 - 230 @ 2100	235 - 245 @ 1800	2
4 Governed Speed-RPM				1800			3
5 Engine Fuel PSI	104 - 114	137 - 151	174 - 192	120 - 132	128 - 142	130 - 144	4
6 Fuel Rate Pound Per Hour	68 - 71	79 - 83	98 - 102	99 - 103	79 - 83	79 - 83	5
7 Intake Manifold Press. in./Hg	27 - 35	34 - 42	45 - 56	46 - 56	37 - 45	34 - 42	6
8 Torque Rise % - Curve	10 - NONE	7 - NONE	31 - NONE	20 - NONE	7 - NONE	7 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1300	- @ 1300	- @ 1200	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	1930 - 1950	1930 - 1950	2340 - 2360	1905 - 1925	2230 - 2250	1930 - 1950	10
12 VS/Sec. Gov. Setting-RPM	1830 - 1850	1830 - 1850			2130 - 2150	1830 - 1850	11
13 Cruise Speed-PSI @ RPM			116 - 128 @ 2320	103 - 109 @ 1900			12
14 Max. Auto. Gov. Check-RPM @ PSI	2200 @ 15	2215 @ 15	2700 @ 15	2270 @ 15	2540 @ 15	2215 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2080 @ 15	2095 @ 15	2580 @ 15	2150 @ 15	2420 @ 15	2095 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2060 @ 15	2083 @ 15	2600 @ 15	2140 @ 15	2420 @ 15	2080 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	1940 @ 15	1963 @ 15	2480 @ 15	2000 @ 15	2300 @ 15	1960 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, 21 -	28, 19 -	28, 13 -	28, 17 -	28, 20 -	28, 20 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 713	300 @ 713	300 @ 800	300 @ 713	300 @ 713	300 @ 713	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 713 - 300	@ 713 - 300	@ 910 - 300	@ 713 - 300	@ 713 - 300	@ 713 - 300	23
25 Calibration PSI @ RPM	116 @ 1800	144 @ 1800	137 @ 1300	126 @ 1600	135 @ 2100	137 @ 1800	24
26 Calibration Flow	300	341	335	448	340	341	25
27 Check Point (1) PSI @ RPM	78 - 84 @ 1300	97 - 103 @ 1300	180 - 186 @ 2100	101 - 107 @ 1200	78 - 84 @ 1300	92 - 98 @ 1300	26
28 Check Point (1) Flow	242	275	404	398	254	277	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.790 - 143854	.800 - 143854	.790 - 143854	.790 - 143854	.800 - 143854	.790 - 143854	32
34 Idle Plunger Code - Part No.	40 - 137370	30 - 141633	17 - 140417	15 - 139894	42 - 140923	35 - 140922	33
35 Fuel Pump Housing	3069255	3069255	3069255	3069255	3069255	3069255	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3000940 - .185	153236 - .074	3000936 - .150	3004750 - .140	3000939 - .180	153236 - .077	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040760	3040760	3040750	3040750	3040760	3040760	39
41 Torque Spring - Shims - Gage Height	138796 - .040 - .590	138995 - .068 - .568	139587 - .034 - .634	3053169 - .080 - .580	3053156 - .115 - .615	138995 - .067 - .567	40
42 VS Gov. Max. Spring - Ref. Shims	70821 - .000	70821 - .000	109690 - .000	70822 - .000	109687 - .000	3069724 - .000	41
43 VS Gov. Idle Spring	153240	153240	3077619	153240	153240	153240	42
44 VS Gov. Weights	163826	163826	107261	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3058944	3058944	3070590	3070590	3058944	3058944	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1300 - 68	1300 - 81	1300 - 45	1200 - 27	1300 - 63	1300 - 75	48
50 AFC Flow - pph	209	242	175	170	209	242	49
51 AFC Spring - Gage Height-In.	179818 -	179818 -	179820 - .117	179832 - .117	179818 -	179818 -	50
52 AFC Bias Spring	3071952	3071952	3071950	3071704	3071952	3071952	51
53 AFC No Air RPM - PSI	1300 - 73	1300 - 88	1300 - 55	1200 - 30	1300 - 68	1300 - 82	52
54 AFC No Air Flow	218	254	206	200	218	254	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims			.060 - .120				55
57 TMD Spring			70691				56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve	FS 2001	FS 2001		FS 2001			60
62 Certified Year/Agency				1993 CARB			61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LT10-C	LTA10-C	LTA10-C	91STC-L10-310	LT10-C	LTA10-C	65
67 Notes		SEE NOTE (2)	SEE NOTE (3)			SEE NOTE (6)	66

NOTES

(2) PRESS GEAR PUMP REQUIRED

(3) RESTRICTED TO KOMATSU WA450 FRONT; END LOADER WITH TORQUE CONVERTERS; RESTRICTED TO 9850 FT ALTITUDE;

(6) PRESS GEAR PUMP REQUIRED

1 Pump Code	X886-A	X887-A	X888-A	X889-A	X890-A	X891-A	
2 Date - Control Parts List	JAN93 - 1623	FEB93 - 1626	MAR93 - 1412	APR93 - 1626	APR93 - 1413	MAY93 - 1562	1
3 Test HP @ RPM	314 - 326 @ 2100	319 - 332 @ 1800	300 - 306 @ 2100	314 - 326 @ 2000	265 - 275 @ 2100	255 - 265 @ 1600	2
4 Governed Speed-RPM	2100					1800	3
5 Engine Fuel PSI	186 - 206	154 - 170	136 - 150	151 - 167	159 - 175	106 - 118	4
6 Fuel Rate Pound Per Hour	102 - 106	105 - 109	101 - 105	106 - 110	92 - 96	83 - 87	5
7 Intake Manifold Press. In./Hg	43 - 51	45 - 53	45 - 53	45 - 53	45 - 53	35 - 43	6
8 Torque Rise % - Curve	19 - NONE	3 - NONE	35 - NONE	14 - NONE	29 - NONE	- NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1500	- @ 1300	- @ 1500	- @ 1300	- @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2230 - 2250	1940 - 1960	2230 - 2250	2130 - 2150	2230 - 2250	1920 - 1940	10
12 VS/Sec. Gov. Setting-RPM	2130 - 2150	1830 - 1850	2130 - 2150	2030 - 2050	2130 - 2150		11
13 Cruise Speed-PSI @ RPM						78 - 86 @ 1950	12
14 Max. Auto. Gov. Check-RPM @ PSI		2250 @ 15	2630 @ 15	2475 @ 15	2545 @ 15	2260 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI		2130 @ 15	2480 @ 15	2355 @ 15	2425 @ 15	2160 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2457 @ 15	2110 @ 15	2360 @ 15	2285 @ 15	2400 @ 15	2100 @ 15	17
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2245 @ 15	1990 @ 15	2236 @ 15	2165 @ 15	2280 @ 15	1980 @ 15	18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Levr	28, -	28, 14 -	28, 29 -	28, 19 -	28, 24 -	28, 17 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 700	300 @ 713	300 @ 713	300 @ 713	300 @ 713	300 @ 713	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 700 - 300	@ 1000 - 300	300 @ 875 -	@ 800 - 300	@ 775 - 300	@ 713 - 300	23
25 Calibration PSI @ RPM	196 @ 2100	169 @ 1800	118 @ 1300	166 @ 2000	174 @ 2100	113 @ 1600	24
26 Calibration Flow	427	474	416	474	385	353	25
27 Check Point (1) PSI @ RPM	130 - 136 @ 1300	136 - 142 @ 1500	137 - 143 @ 2100	134 - 140 @ 1500	123 - 129 @ 1300	90 - 96 @ 1200	26
28 Check Point (1) Flow	345	425	460	421	315	315	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.775 - 143854	.790 - 143854	.780 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	32
34 Idle Plunger Code - Part No.	17 - 140417	22 - 141630	15 - 139894	22 - 141630	20 - 141629	25 - 141631	33
35 Fuel Pump Housing	3821589	3069255	3069255	3069255	3069255	3069255	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	143252 - .000	3000939 - .160	143253 - .090	143252 - .075	143253 - .100	3004752 - .145	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040760	3040760	3040760	3040760	3040760	3040760	39
41 Torque Spring - Shims - Gage Height	3002047 - .060 - .710	138805 - .067 - .567	3821486 - .030 - .630	3053159 - .095 - .595	3002056 - .055 - .655	3053167 - .080 - .580	40
42 VS Gov. Max. Spring - Ref. Shims	109687 - .000	3069724 - .000	70821 - .000	3069725 - .000	109686 - .000	109687 - .000	41
43 VS Gov. Idle Spring	70778	70778	153240	153240	153240	153240	42
44 VS Gov. Weights	163826	163826	163826	163826	163826	163826	43
45 VS Gov. Plunger	212350	212350	212350	212350	212350	212350	44
46 VS Gov. Sleeve	212148	212148	212148	212148	212148	212148	45
47 AFC Barrel & Plunger Assembly	3031298	3070590	3070590	3070590	3070590	3070590	46
48 AFC In./Hg - PSI	6 - 2.9						47
49 AFC RPM - PSI	1600 - 22	1500 - 55	1300 - 46	1500 - 55	1300 - 54	1200 - 20	48
50 AFC Flow - pph	130	251	233	251	195	132	49
51 AFC Spring - Gage Height-In.	3000592 -	179826 - .117	179826 - .117	179826 - .117	179820 - .117	179824 - .117	50
52 AFC Bias Spring		3071951	3071951	3071951	3071950	3071949	51
53 AFC No Air RPM - PSI	1600 - 68	1500 - 60	1300 - 52	1500 - 60	1300 - 59	1200 - 26	52
54 AFC No Air Flow	234	263	251	263	206	153	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims			.048 - .190				55
57 TMD Spring			186997				56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve		FS 2001		FS 2001	FS 2001		60
62 Certified Year/Agency	1993 EPA					1993 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10	LTA10-C	LTA10-C	LTA10-C	LTA10-C	L10-260	65
67 Notes	SEE NOTE (1)						66

NOTES

(1) REQUIRES STELLITE VALVES. RATINGS OF 285 H.P. AND ABOVE WHICH WERE CPL1223 HAVE BEEN SUPERCEDED BY CPL 1346, ARE NOW SUPERCEDED BY CPL1623. RESTRICTED TO FIRETRUCK APPLICATION ONLY. RESTRICTED TO 7,500 FOOT ALTITUDE LIMIT.

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES X892-A - X901-B

1 Pump Code	X892-A	X893-A	X894-A	X895-A	X900-A	X901-B	1
2 Date - Control Parts List	MAY93 - 1562	MAY93 - 1562	MAY93 - 1800	JUN93 - 1412	JAN92 - 1429	APR92 - 1443	2
3 Test HP @ RPM	255 - 265 @ 1700	255 - 265 @ 1700	309 - 321 @ 1800	350 - 357 @ 2100	377 - 393 @ 1800	328 - 342 @ 1500	3
4 Governed Speed-RPM	1950	1950			1800	1500	4
5 Engine Fuel PSI	108 - 120	108 - 120	139 - 153	162 - 180	177 - 195	140 - 154	5
6 Fuel Rate Pound Per Hour	86 - 90	86 - 90	99 - 103	113 - 118	123 - 129	108 - 112	6
7 Intake Manifold Press. In./Hg	39 - 47	39 - 47	44 - 52	51 - 61	57 - 67	56 - 66	7
8 Torque Rise % - Curve	- NONE	- NONE	6 - NONE	15 - NONE	3 - NONE	3 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1200	- @ 1300	- @ 1300			9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM			1980 - 2000	2230 - 2250	1920 - 1940	1610 - 1630	11
12 VS/Sec. Gov. Setting-RPM	2130 - 2150	2130 - 2150	1830 - 1850	2130 - 2150			12
13 Cruise Speed-PSI @ RPM	102 - 108 @ 1950	99 - 103 @ 1950					13
14 Max. Auto. Gov. Check-RPM @ PSI	2260 @ 15	2260 @ 15	2260 @ 15	2560 @ 15	2200 @ 15	1872 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2140 @ 15	2140 @ 15	2140 @ 15	2440 @ 15	2050 @ 15	1728 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI	2410 @ 15	2420 @ 15	2100 @ 15	2400 @ 15			18
19 Min. VS/Sec. Gov. Check-RPM @ PSI	2290 @ 15	2300 @ 15	1980 @ 15	2280 @ 15			19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Lev	28, 17 -	28, 17 -	28, 16 -	28, 23 -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 713	300 @ 713	300 @ 713	300 @ 713	305 @ 700	300 @ 712	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc	@ 713 - 300	@ 713 - 300	@ 1000 - 300	@ 713 - 300			24
25 Calibration PSI @ RPM	114 @ 1700	113 @ 1700	146 @ 1800	171 @ 2100	186 @ 1800	151 @ 1500	25
26 Calibration Flow	354	356	447	512	453	402	26
27 Check Point (1) PSI @ RPM	91 - 97 @ 1200	90 - 96 @ 1200	99 - 105 @ 1300	113 - 119 @ 1300	167 - 173 @ 1650	135 - 141 @ 1350	27
28 Check Point (1) Flow	313	315	368	417	433	384	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854	.775 - 143854	.800 - 143854	.790 - 143854	.790 - 143854	33
34 Idle Plunger Code - Part No.	25 - 141631	22 - 141630	27 - 141632	20 - 141629	17 - 140417	12 - 141626	34
35 Fuel Pump Housing	3893833	3893833	3069255	3069255	3059646	3059646	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3004754 - .112	143255 - .120	153236 - .105	153237 - .135	3000940 - .155	3036897 - .120	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3074330	3074330	3040760	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	3053171 - .052 - .552	3053175 - .045 - .540	138794 - .067 - .617	3002057 - .037 - .638	138805 - .050 - .550	138995 - .045 - .545	41
42 VS Gov. Max. Spring - Ref. Shims	109689 - .000	109689 - .000	3069724 - .000	3069724 - .000			42
43 VS Gov. Idle Spring	153240	153240	153240	153240			43
44 VS Gov. Weights	163826	163826	163826	163826			44
45 VS Gov. Plunger	212350	212350	212350	212350			45
46 VS Gov. Sleeve	212148	212148	212148	212148			46
47 AFC Barrel & Plunger Assembly	3070590	3070590	3070590	3070590			47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1200 - 20	1200 - 20	1300 - 40	1300 - 46			49
50 AFC Flow - pph	132	132	208	233			50
51 AFC Spring - Gage Height-In.	179824 - .117	179824 - .117	179822 - .117	179826 - .117			51
52 AFC Bias Spring	3071949	3071949	3071704	3071951			52
53 AFC No Air RPM - PSI	1200 - 26	1200 - 26	1300 - 55	1300 - 52			53
54 AFC No Air Flow	153	153	254	251			54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly					3063504	3063504	59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve		FS 2010					61
62 Certified Year/Agency	1993 CARB	1993 CARB					62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10-260	L10-260	LTA10-C	L10	LTA-10G1	LTA-10G3	66
67 Notes				SEE NOTE (4)		SEE NOTE (6)	67

NOTES

- (4) RESTRICTED TO APPLICATIONS OF OIL WELL SERVICING AND FERTILIZER SPREADERS WITH DUTY CYCLES LESS THEN 500 HR/YEAR. APPLICATIONS ARE ALSO RESTRICTED TO 7500 FT ALTITUDE.
AEB 26.01 MUST BE SUBMITTED FOR APPROVAL FOR RESTRICTED RATINGS.
- (6) 3/4" HD BUSHED GEAR PUMP REQUIRED; 24V EFC NORMALLY CLOSED WITH FLEX JOINT;

1 Pump Code	X902-A	X903-A	X904-A	X905-A	X906-A	X907-A	1
2 Date - Control Parts List	JAN92 - 1444	JAN92 - 1443	FEB92 - 1429	APR92 - 1443	JAN93 - 1444	FEB92 - 1443	2
3 Test HP @ RPM	225 - 235 @ 1200	304 - 316 @ 1500	377 - 393 @ 1800	328 - 342 @ 1500	225 - 235 @ 1200	304 - 316 @ 1500	3
4 Governed Speed-RPM	1200	1500	1800	1500	1200	1500	4
5 Engine Fuel PSI	85 - 93	126 - 140	177 - 195	147 - 163	85 - 93	126 - 140	5
6 Fuel Rate Pound Per Hour	77 - 81	99 - 103	123 - 129	108 - 112	77 - 81	99 - 103	6
7 Intake Manifold Press. In./Hg	36 - 40	47 - 57	57 - 67	56 - 66	36 - 40	47 - 57	7
8 Torque Rise % - Curve	3 - NONE	3 - C-4772	3 - NONE	3 - NONE	3 - NONE	3 - C-4772	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM	1284 - 1308	1605 - 1635	1920 - 1940	1610 - 1630	1284 - 1308	1605 - 1635	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI	1516 @ 15	1895 @ 15	2200 @ 15	1872 @ 15	1516 @ 15	1895 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	1400 @ 15	1750 @ 15	2050 @ 15	1728 @ 15	1400 @ 15	1750 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto. - VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	305 @ 700	305 @ 700	305 @ 700	300 @ 712	305 @ 700	305 @ 700	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	89 @ 1200	133 @ 1500	196 @ 1800	159 @ 1500	96 @ 1200	133 @ 1500	25
26 Calibration Flow	302	376	453	402	302	376	26
27 Check Point (1) PSI @ RPM	78 - 84 @ 1050	118 - 124 @ 1350	175 - 181 @ 1650	143 - 149 @ 1350	84 - 90 @ 1050	118 - 124 @ 1350	27
28 Check Point (1) Flow	285	358	433	384	285	358	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.775 - 143855	.790 - 143854	.790 - 143854	.790 - 143854	.775 - 143855	.790 - 143854	33
34 Idle Plunger Code - Part No.	12 - 141626	15 - 139894	15 - 139894	10 - 141625	12 - 141626	15 - 139894	34
35 Fuel Pump Housing	3059646	3059646	3059646	3063504	3059646	3059646	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	3036896 - .055	153235 - .070	3000940 - .155	3036897 - .120	3036896 - .055	153235 - .070	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3040750	3040750	3040750	3040750	3040750	3040750	40
41 Torque Spring - Shims - Gage Height	138993 - .055 - .555	138797 - .010 - .560	138805 - .050 - .550	138995 - .045 - .545	138993 - .055 - .555	138797 - .010 - .560	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly	3063504	3063504					59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve			FS 2004	FS 2004	FS 2004	FS 2004	61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	LTA-10G3	LTA10-G2	LTA-10G1	LTA-10G3	LTA-10G3	LTA10-G2	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)		SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) 3/4" HD BUSHED GEAR PUMP REQUIRED; 24V EFC NORMALLY CLOSED WITH FLEX JOINT;
 (2) 3/4" HD BUSHED GEAR PUMP REQUIRED; 24V EFC NORMALLY CLOSED WITH FLEX JOINT;
 (4) 3/4" HD BUSHED GEAR PUMP REQUIRED; 24V EFC NORMALLY CLOSED WITH FLEX JOINT;
 (5) 3/4" HD BUSHED GEAR PUMP REQUIRED; 24V EFC NORMALLY CLOSED WITH FLEX JOINT;
 (6) 3/4" HD BUSHED GEAR PUMP REQUIRED; 24V EFC NORMALLY CLOSED WITH FLEX JOINT;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES XA01-A - XB02-A

1 Pump Code	XA01-A	XA02-A	XA03-A	XA04-A	XB01-A	XB02-A	
2 Date - Control Parts List	MAY92 - 1379	AUG92 - 1379	MAY93 - 1653	MAY93 - 1654	MAY93 - 1664	MAY93 - 1664	1
3 Test HP @ RPM	234 - 246 @ 2100	234 - 246 @ 2100	228 - 246 @ 2100	228 - 246 @ 2100	266 - 294 @ 1600	295 - 325 @ 1600	2
4 Governed Speed-RPM			2100	2100			3
5 Engine Fuel PSI					150 - 180	150 - 180	4
6 Fuel Rate Pound Per Hour	72 - 89	72 - 89	68 - 82	68 - 82	83 - 92	92 - 102	5
7 Intake Manifold Press. In./Hg	19 - 23	19 - 23	17 - 23	17 - 23	32 - 42	36 - 46	6
8 Torque Rise % - Curve	25 -	25 -	25 -	25 -	- NONE	- NONE	7
9 Torque Peak - PSI @ RPM			- @ 1400	- @ 1400			8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM							10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI							13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph							19
21 Throttle Travel-Auto., VS, Lev							20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.							22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM					25 @ 175	25 @ 175	24
26 Calibration Flow					135	135	25
27 Check Point (1) PSI @ RPM					130 - 160 @ 1200	130 - 160 @ 1200	26
28 Check Point (1) Flow					520	520	27
29 Check Point (2) PSI @ RPM					150 - 180 @ 2100	150 - 180 @ 2100	28
30 Check Point (2) Flow					650	650	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring							32
34 Idle Plunger Code - Part No.							33
35 Fuel Pump Housing							34
36 Auto. Idle Spring							35
37 Auto. Gov. Spring - Ref. Shims							36
38 Gear Pump Size In.							37
39 Auto. Gov. Weights							38
40 Auto. Gov. Plunger							39
41 Torque Spring - Shims - Gage Height							40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency		1993 CARB		1993 CARB			61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	GLTA10	GLTA10	GLTA10	GLTA10	94L10-280E	94L10-310E	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) ENGINE PERFORMANCE SPECIFICATIONS FOR; THE L10 COMPRESSED NATURAL GAS ENGINE;
- (2) ENGINE PERFORMANCE SPECIFICATIONS FOR; THE L10 COMPRESSED NATURAL GAS ENGINE; FOR USE ON CALIFORNIA ENGINES ONLY;
- (3) ENGINE PERFORMANCE SPECIFICATIONS FOR; THE L10 COMPRESSED NATURAL GAS ENGINE;
- (4) ENGINE PERFORMANCE SPECIFICATIONS FOR; THE L10 COMPRESSED NATURAL GAS ENGINE; FOR USE ON CALIFORNIA ENGINES ONLY;
- (5) 280 VOCATIONAL RATING FOR 94L10 MV1 BUILD;
- (6) 310 VOCATIONAL RATING FOR 94L10 MV1 BUILD;

1 Pump Code	XB03-A	XB04-A	XB05-A	XB06-A	XB07-A	XB08-A	
2 Date - Control Parts List	MAY93 - 1664	MAY93 - 1664	MAY93 - 1665	MAY93 - 1665	MAY93 - 1665	MAY93 - 1665	1
3 Test HP @ RPM	295 - 325 @ 1600	314 - 347 @ 1600	314 - 347 @ 1600	332 - 367 @ 1600	352 - 388 @ 1600	352 - 388 @ 1600	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	150 - 180	150 - 180	150 - 180	150 - 180	150 - 180	150 - 180	4
6 Fuel Rate Pound Per Hour	92 - 102	98 - 108	98 - 108	104 - 115	111 - 122	111 - 122	5
7 Intake Manifold Press. In./Hg	37 - 47	41 - 51	41 - 51	45 - 55	50 - 60	50 - 60	6
8 Torque Rise % - Curve	- NONE	- NONE	- NONE	- NONE	- NONE	- NONE	7
9 Torque Peak - PSI @ RPM							8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM							10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI							13
15 Min. Auto. Gov. Check-RPM @ PSI							14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph							19
21 Throttle Travel-Auto. - VS, Lev							20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.							22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	25 @ 175	25 @ 175	25 @ 175	25 @ 175	25 @ 175	25 @ 175	24
26 Calibration Flow	135	135	135	135	135	135	25
27 Check Point (1) PSI @ RPM	130 - 160 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	26
28 Check Point (1) Flow	520	520	520	520	520	520	27
29 Check Point (2) PSI @ RPM	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	28
30 Check Point (2) Flow	650	650	650	650	650	650	29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring							32
34 Idle Plunger Code - Part No.							33
35 Fuel Pump Housing							34
36 Auto. Idle Spring							35
37 Auto. Gov. Spring - Ref. Shims							36
38 Gear Pump Size In.							37
39 Auto. Gov. Weights							38
40 Auto. Gov. Plunger							39
41 Torque Spring - Shims - Gage Height							40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly							46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI							48
50 AFC Flow - pph							49
51 AFC Spring - Gage Height-In.							50
52 AFC Bias Spring							51
53 AFC No Air RPM - PSI							52
54 AFC No Air Flow							53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly							58
60 PT Pacer Assembly							59
61 Fuel Line Check Valve							60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	94L10-310E	94L10-330E	94L10-330E	94L10-350E	94L10-370E	94L10-370E	65
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	66

NOTES

- (1) 310 LINEHAUL RATING FOR 94L10 MV1 BUILD LE1;
 (2) 330 LINEHAUL RATING FOR 94L10 MV1 BUILD LE1;
 (3) 330 LINEHAUL RATING FOR 94L10 MV1 BUILD;
 (4) 350 LINEHAUL RATING FOR 94L10 MV1 BUILD;
 (5) 370 LINEHAUL RATING FOR 94L10 MV1 BUILD;
 (6) 370 LINEHAUL RATING FOR 94L10 MV1 BUILD;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES XB09-A - XB15-A

1 Pump Code	XB09-A	XB11-A	XB12-A	XB13-A	XB14-A	XB15-A	
2 Date - Control Parts List	MAY93 - 1669	MAY93 - 1587	MAY93 - 1587	MAY93 - 1802	MAY93 - 1802	MAY93 - 1802	2
3 Test HP @ RPM	336 - 364 @ 1800	298 - 322 @ 1600	298 - 322 @ 1600	352 - 388 @ 1600	352 - 388 @ 1600	333 - 368 @ 1600	3
4 Governed Speed-RPM	1800	2000	1800				4
5 Engine Fuel PSI	150 - 180	150 - 180	150 - 180	150 - 180	150 - 180	150 - 180	5
6 Fuel Rate Pound Per Hour	112 - 121	96 - 104	96 - 104	111 - 123	111 - 123	105 - 116	6
7 Intake Manifold Press. In./Hg	49 - 59	44 - 52	44 - 52	45 - 55	45 - 55	41 - 51	7
8 Torque Rise % - Curve	- NONE	- NONE	- NONE	- NONE	- NONE	- NONE	8
9 Torque Peak - PSI @ RPM	- @ 1200	140 - 175 @ 1200	140 - 175 @ 1200				9
10 Cranking Fuel Press. - PSI @ RPM							10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI		2250 @ 15	2050 @ 15				14
15 Min. Auto. Gov. Check-RPM @ PSI		2150 @ 15	1950 @ 15				15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph							20
21 Throttle Travel-Auto., VS, Lev							21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.							23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	25 @ 175	25 @ 175	25 @ 175	25 @ 175	25 @ 175	25 @ 175	25
26 Calibration Flow	135	135	135	135	135	135	26
27 Check Point (1) PSI @ RPM	140 - 170 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	27
28 Check Point (1) Flow	520	520	520	520	520	520	28
29 Check Point (2) PSI @ RPM	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	29
30 Check Point (2) Flow	650	650	650	650	650	650	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring							33
34 Idle Plunger Code - Part No.							34
35 Fuel Pump Housing							35
36 Auto. Idle Spring							36
37 Auto. Gov. Spring - Ref. Shims							37
38 Gear Pump Size In.							38
39 Auto. Gov. Weights							39
40 Auto. Gov. Plunger							40
41 Torque Spring - Shims - Gage Height							41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency	1993 CARB	1993 CARB	1993 CARB				62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10-350E	L10-330E	L10-330E	94L10-370E	94L10-370E	94L10-350E	66
67 Notes	SEE NOTE (1)			SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) 350E LINEHAUL RATING FOR PHASE 4;
 (4) 370 LINEHAUL RATING FOR 94M11 MV2 BUILD;
 (5) 370 VOCATIONAL RATING FOR 94M11 MV2 BUILD;
 (6) 350 LINEHAUL RATING FOR 94M11 MV2 BUILD;

1 Pump Code	XB16-A	XB17-A	XB18-A	XB19-A	XB20-A	XB21-A	1
2 Date - Control Parts List	MAY93 - 1802	JUN93 - 1802	MAY93 - 1802	MAY93 - 1801	MAY93 - 1801	MAY93 - 1801	2
3 Test HP @ RPM	333 - 368 @ 1600	314 - 347 @ 1600	314 - 347 @ 1600	314 - 347 @ 1600	314 - 347 @ 1600	295 - 325 @ 1600	3
4 Governed Speed-RPM							4
5 Engine Fuel PSI	150 - 180	150 - 180	150 - 180	150 - 180	150 - 180	150 - 180	5
6 Fuel Rate Pound Per Hour	105 - 115	98 - 108	98 - 108	98 - 108	98 - 108	92 - 102	6
7 Intake Manifold Press. In./Hg	41 - 51	37 - 47	37 - 47	37 - 47	37 - 47	33 - 43	7
8 Torque Rise % - Curve	- NONE	- NONE	- NONE	- NONE	- NONE	- NONE	8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph							20
21 Throttle Travel-Auto., VS, Lev							21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.							23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	25 @ 175	25 @ 175	25 @ 175	25 @ 175	25 @ 175	25 @ 175	25
26 Calibration Flow	135	135	135	135	135	135	26
27 Check Point (1) PSI @ RPM	130 - 160 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	27
28 Check Point (1) Flow	520	520	520	520	520	520	28
29 Check Point (2) PSI @ RPM	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	29
30 Check Point (2) Flow	650	650	650	650	650	650	30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring							33
34 Idle Plunger Code - Part No.							34
35 Fuel Pump Housing							35
36 Auto. Idle Spring							36
37 Auto. Gov. Spring - Ref. Shims							37
38 Gear Pump Size In.							38
39 Auto. Gov. Weights							39
40 Auto. Gov. Plunger							40
41 Torque Spring - Shims - Gage Height							41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	94L10-350E	94L10-330E	94L10-330E	94L10-330E	94L10-330E	94L10-310E	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) 350 VOCATIONAL RATING FOR 94M11 MV2 BUILD;
- (2) 330 LINEHAUL RATING FOR 94M11 MV2 BUILD;
- (3) 330 VOCATIONAL RATING FOR 94M11 MV2 BUILD;
- (4) 330 LINEHAUL RATING FOR 94M11 MV2 BUILD LE1;
- (5) 330 VOCATIONAL RATING FOR 94M11 MV2 LE1;
- (6) 310 LINEHAUL RATING FOR 94M11 MV2 BUILD;

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES XB22-A - XC01-A

1 Pump Code	XB22-A	XB23-A	XB24-A	XB25-A	XB31-A	XC01-A	1
2 Date - Control Parts List	MAY93 - 1801	MAY93 - 1801	MAY93 - 1801	MAY93 - 1805	MAY93 - 1806	JAN93 - 1623	2
3 Test HP @ RPM	295 - 325 @ 1600	266 - 294 @ 1600	266 - 294 @ 1600	295 - 325 @ 1600	266 - 280 @ 2000	314 - 326 @ 2100	3
4 Governed Speed-RPM						2100	4
5 Engine Fuel PSI	150 - 180	150 - 180	150 - 180	150 - 180	150 - 180	186 - 206	5
6 Fuel Rate Pound Per Hour	92 - 102	83 - 92	83 - 92	92 - 102	91 - 96	102 - 106	6
7 Intake Manifold Press. In./Hg	33 - 43	28 - 38	28 - 38	33 - 43	31 - 41	43 - 51	7
8 Torque Rise % - Curve	- NONE	- NONE	- NONE	- NONE	- NONE	19 - NONE	8
9 Torque Peak - PSI @ RPM						- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM						2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI						2457 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI						2245 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph						110 -	20
21 Throttle Travel-Auto., VS, Lev						28 -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.						300 @ 713	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	25 @ 175	25 @ 175	25 @ 175	25 @ 175	25 @ 175	196 @ 2100	25
26 Calibration Flow	135	135	135	135	135	426	26
27 Check Point (1) PSI @ RPM	130 - 160 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	130 - 160 @ 1200	128 - 134 @ 1300	27
28 Check Point (1) Flow	520	520	520	520	520	340	28
29 Check Point (2) PSI @ RPM	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100		29
30 Check Point (2) Flow	650	650	650	650	650		30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring						.775 - 143854	33
34 Idle Plunger Code - Part No.						20 - 141629	34
35 Fuel Pump Housing						3060695	35
36 Auto. Idle Spring						3018767	36
37 Auto. Gov. Spring - Ref. Shims						153238 - .000	37
38 Gear Pump Size In.						.750	38
39 Auto. Gov. Weights						146437	39
40 Auto. Gov. Plunger						3040760	40
41 Torque Spring - Shims - Gage Height						139584 - .020 - .670	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly						3031298	47
48 AFC In./Hg - PSI						6 - 2.9	48
49 AFC RPM - PSI						1600 - 22	49
50 AFC Flow - pph						130	50
51 AFC Spring - Gage Height-In.						3000592 -	51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI						1600 - 68	53
54 AFC No Air Flow						234	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency						1993 EPA	62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	94L10-310E	94L10-280E	94L10-280E	94L10-310E	M11-280E	L10	66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (5)	SEE NOTE (6)	67

NOTES

- (1) 310 VOCATIONAL RATING FOR 94M11 MV2 BUILD;
 (2) 280 LINEHAUL RATING FOR 94M11 MV2 BUILD;
 (3) 280 VOCATIONAL RATING FOR 94M11 MV2 BUILD;
 (4) 310 LINEHAUL ESP RATING FOR 94M11 MV2 LE1;
 (5) 94M11 FUEL CODE FOR 280E URBAN BUS.
 (6) MIN GOV CH PT @ 15 PSI = 2245 RPM. RESTRICTED TO FIRETRUCK APPLICATION ONLY. RESTRICTED TO 7,500 FOOT ALTITUDE LIMIT. REQUIRES STELLITE FACED VALVES. RATINGS OF.

1 Pump Code	XC02-A	XC03-A	XC04-A	XC05-A	XC06-A	XC07-A	
2 Date - Control Parts List	FE893 - 1414	FE893 - 1412	FE893 - 1624	MAR93 - 1626	FE893 - 1414	APR93 - 1412	1
3 Test HP @ RPM	245 - 255 @ 2100	289 - 301 @ 2000	235 - 245 @ 2100	319 - 332 @ 1800	221 - 230 @ 2100	294 - 306 @ 1800	2
4 Governed Speed-RPM							3
5 Engine Fuel PSI	145 - 161	127 - 141	134 - 148	154 - 170	128 - 142	134 - 148	4
6 Fuel Rate Pound Per Hour	87 - 91	98 - 102	81 - 85	105 - 109	79 - 83	95 - 99	5
7 Intake Manifold Press. In./Hg	41 - 49	43 - 51	40 - 48	45 - 53	36 - 44	44 - 52	6
8 Torque Rise % - Curve	20 - NONE	13 - NONE	45 - NONE	3 - NONE	21 - NONE	5 - NONE	7
9 Torque Peak - PSI @ RPM	- @ 1300	- @ 1400	- @ 1300	- @ 1500	- @ 1300	- @ 1300	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM	2130 - 2150	2030 - 2050	2130 - 2150	1830 - 1850	2130 - 2150	1830 - 1850	10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM							12
14 Max. Auto. Gov. Check-RPM @ PSI	2370 @ 15	2260 @ 15	2457 @ 15	2092 @ 15	2400 @ 15	2050 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2250 @ 15	2140 @ 15	2209 @ 15	1972 @ 15	2280 @ 15	1930 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto. VS. Levr	28 -	28 -	28 -	28 -	28 -	28 -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 713	300 @ 750	300 @ 700	300 @ 1000	300 @ 713	300 @ 713	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	153 @ 2100	134 @ 2000	141 @ 2100	169 @ 1800	135 @ 2100	143 @ 1800	24
26 Calibration Flow	365	431	360	474	340	431	25
27 Check Point (1) PSI @ RPM	90 - 96 @ 1300	94 - 100 @ 1400	118 - 124 @ 1300	136 - 142 @ 1500	78 - 84 @ 1300	98 - 104 @ 1300	26
28 Check Point (1) Flow	275	360	330	425	254	354	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854	.775 - 143854	.790 - 143854	.800 - 143854	.790 - 143854	32
34 Idle Plunger Code - Part No.	37 - 140418	37 - 140418	22 - 141630	25 - 141631	45 - 138862	32 - 141634	33
35 Fuel Pump Housing	3059632	3068109	3060695	3059632	3059632	3059632	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3000940 - .177	153237 - .095	3053101 - .100	153232 - .095	153232 - .122	153238 - .105	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3040760	3040750	3040760	3040760	3040760	3040760	39
41 Torque Spring - Shims - Gage Height	138790 - .050 - .650	138789 - .025 - .625	3821491 - .030 - .630	138805 - .057 - .557	3053156 - .105 - .605	138794 - .035 - .585	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3058944	3070590	3031297	3070590	3058944	3070590	46
48 AFC In./Hg - PSI			6 - 2.9				47
49 AFC RPM - PSI	1300 - 75	1300 - 40	1600 - 36	1500 - 55	1300 - 63	1300 - 45	48
50 AFC Flow - pph	244	208	174	251	209	208	49
51 AFC Spring - Gage Height-In.	179818 -	179822 - .117	179828 -	179826 - .117	179818 -	179822 - .117	50
52 AFC Bias Spring	3071952	3071704	3071951	3071951	3071952	3071704	51
53 AFC No Air RPM - PSI	1300 - 82	1300 - 55	1600 - 73	1500 - 60	1300 - 68	1300 - 60	52
54 AFC No Air Flow	254	254	247	263	219	254	53
55 ASA Valve			3042360				54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly		3063504					58
60 PT Pacer Assembly		3077276					59
61 Fuel Line Check Valve				FS 2001		FS 2001	60
62 Certified Year/Agency							61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	LT10-C	L10	LTA10-B	LTA10-C	LTA10-C	LTA10-C	65
67 Notes		SEE NOTE (2)	SEE NOTE (3)		SEE NOTE (5)		66

NOTES

(2) CENTRY (INDUSTRIAL CONTROLLER FUEL PUMP)

(3) PRESS GEAR PUMP REQUIRED. USE VENTED AFC PLUNGER P/N 3020739.

(5) PRESS GEAR PUMP REQUIRED

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES XC08-A - XC13-A

1 Pump Code	XC08-A	XC09-A	XC10-A	XC11-B	XC12-A	XC13-A	
2 Date - Control Parts List	MAY93 - 1559	MAY93 - 1562	MAY93 - 1562	JUN93 - 1562	MAY93 - 1562	MAY93 - 1562	1
3 Test HP @ RPM	294 - 306 @ 1700	255 - 265 @ 1600	255 - 265 @ 1600	255 - 265 @ 1700	255 - 265 @ 1700	255 - 265 @ 1600	2
4 Governed Speed-RPM	1950	1800	1800	1950	1950	1800	3
5 Engine Fuel PSI	109 - 121	107 - 119	107 - 119	107 - 119	107 - 119	107 - 119	4
6 Fuel Rate Pound Per Hour	98 - 102	84 - 88	84 - 88	86 - 90	86 - 90	84 - 88	5
7 Intake Manifold Press-In./Hg	45 - 55	38 - 46	38 - 46	39 - 47	39 - 47	38 - 46	6
8 Torque Rise % - Curve	58 - NONE	- NONE	- NONE	- NONE	- NONE	- NONE	7
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1200	- @ 1200	- @ 1200	- @ 1200	- @ 1200	8
10 Cranking Fuel Press.-PSI @ RPM							9
11 Auto. Gov. Setting-RPM							10
12 VS/Sec. Gov. Setting-RPM							11
13 Cruise Speed-PSI @ RPM	102 - 108 @ 1950	82 - 100 @ 1900	82 - 100 @ 1900	99 - 105 @ 1950	97 - 103 @ 1950	82 - 100 @ 1900	12
14 Max. Auto. Gov. Check-RPM @ PSI	2260 @ 15	2120 @ 15	2120 @ 15	2260 @ 15	2260 @ 15	2120 @ 15	13
15 Min. Auto. Gov. Check-RPM @ PSI	2140 @ 15	1980 @ 15	1980 @ 15	2140 @ 15	2140 @ 15	1980 @ 15	14
16 RS Gov. Setting-PSI @ RPM							15
17 Low RS Gov. Setting-RPM							16
18 Max. VS/Sec. Gov. Check-RPM @ PSI							17
19 Min. VS/Sec. Gov. Check-RPM @ PSI							18
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	19
21 Throttle Travel-Auto., VS, Lev	28, -	28, -	28, -	28, -	28, -	28, -	20
22 Idle Speed PSI @ RPM-Auto.							21
23 Idle Speed cc @ RPM-Auto.	300 @ 713	300 @ 713	300 @ 713	300 @ 713	300 @ 713	300 @ 713	22
24 VS/Sec. Gov. Idle PSI @ RPM - cc							23
25 Calibration PSI @ RPM	115 @ 1700	113 @ 1600	113 @ 1600	113 @ 1700	113 @ 1700	115 @ 1600	24
26 Calibration Flow	440	353	353	356	356	353	25
27 Check Point (1) PSI @ RPM	94 - 100 @ 1200	90 - 96 @ 1200	90 - 96 @ 1200	90 - 96 @ 1200	90 - 96 @ 1200	92 - 98 @ 1200	26
28 Check Point (1) Flow	398	315	315	315	315	315	27
29 Check Point (2) PSI @ RPM							28
30 Check Point (2) Flow							29
31 Check Point (3) PSI @ RPM							30
32 Check Point (3) Flow							31
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	32
34 Idle Plunger Code - Part No.	15 - 139894	25 - 141631	22 - 141630	20 - 141629	17 - 140417	25 - 141631	33
35 Fuel Pump Housing	3893832	3059632	3068109	3893831	3893832	3059632	34
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	35
37 Auto. Gov. Spring - Ref. Shims	3004751 - .150	3036899 - .095	3036899 - .095	143255 - .105	143255 - .105	3036899 - .095	36
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	37
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	38
40 Auto. Gov. Plunger	3074330	3040760	3040760	3074330	3074330	3040760	39
41 Torque Spring - Shims @ Gage Height	3051813 - .062 - .562	3053167 - .069 - .569	3053167 - .069 - .569	3053175 - .042 - .544	3053175 - .044 - .544	3053167 - .069 - .569	40
42 VS Gov. Max. Spring - Ref. Shims							41
43 VS Gov. Idle Spring							42
44 VS Gov. Weights							43
45 VS Gov. Plunger							44
46 VS Gov. Sleeve							45
47 AFC Barrel & Plunger Assembly	3070590	3070590	3070590	3070590	3070590	3070590	46
48 AFC In./Hg - PSI							47
49 AFC RPM - PSI	1200 - 23	1200 - 20	1200 - 20	1200 - 20	1200 - 20	1200 - 20	48
50 AFC Flow - pph	170	132	132	132	132	132	49
51 AFC Spring - Gage Height-In.	179832 - .117	179824 - .117	179824 - .117	179824 - .117	179824 - .117	179824 - .117	50
52 AFC Bias Spring	3071704	3071949	3071949	3071949	3071949	3071949	51
53 AFC No Air RPM - PSI	1200 - 26	1200 - 26	1200 - 26	1200 - 26	1200 - 26	1200 - 26	52
54 AFC No Air Flow	200	153	153	153	153	153	53
55 ASA Valve							54
56 TMD Set with ST589 - Shims							55
57 TMD Spring							56
58 TMD Plunger							57
59 EFC Assembly	3066447						58
60 PT Pacer Assembly	3071374						59
61 Fuel Line Check Valve							60
62 Certified Year/Agency	1993 AUST	1993 CARB	1993 CARB	1993 CARB	1993 CARB	FS 2010 1993 CARB	61
63 Certified Year/Agency							62
64 Certified Year/Agency							63
65 Certified Year/Agency							64
66 Engine Model	L10-300 92STC	L10-260	L10-260	L10-260	L10-260	L10-260	65
67 Notes							66

NOTES

1 Pump Code	XC14-A	XC15-A	XC16-A	XC17-A	XC18-A	XC19-A	1
2 Date - Control Parts List	MAY93 - 1562	MAY93 - 1562	APR93 - 1446	JUN93 - 1832	JUN93 - 1560	JUN93 - 1414	2
3 Test HP @ RPM	255 - 265 @ 1700	255 - 265 @ 1700	285 - 309 @ 1700	255 - 265 @ 1700	274 - 286 @ 1600	245 - 255 @ 2100	3
4 Governed Speed-RPM	1950	1950	1950	1950	1800		4
5 Engine Fuel PSI	114 - 126	107 - 119	113 - 125	107 - 119	108 - 120	152 - 168	5
6 Fuel Rate Pound Per Hour	86 - 90	86 - 90	97 - 105	86 - 90	91 - 95	87 - 91	6
7 Intake Manifold Press. In./Hg	39 - 47	39 - 47	45 - 55	39 - 47	42 - 50	41 - 49	7
8 Torque Rise % - Curve	- NONE	- NONE	58 - NONE	- NONE	- NONE	20 - NONE	8
9 Torque Peak - PSI @ RPM	- @ 1200	- @ 1200	- @ 1200	- @ 1200	- @ 1200	- @ 1300	9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM						2130 - 2150	11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM	104 - 110 @ 1950	99 - 105 @ 1950	114 - 120 @ 1950	97 - 103 @ 1950	79 - 95 @ 1900		13
14 Max. Auto. Gov. Check-RPM @ PSI	2260 @ 15	2260 @ 15	2250 @ 15	2260 @ 15	2110 @ 15	2400 @ 15	14
15 Min. Auto. Gov. Check-RPM @ PSI	2140 @ 15	2140 @ 15	2150 @ 15	2140 @ 15	1990 @ 15	2280 @ 15	15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph	110 -	110 -	110 -	110 -	110 -	110 -	20
21 Throttle Travel-Auto., VS, Levr	28, -	28, -	28, -	28, -	28, -	28, -	21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.	300 @ 713	300 @ 713	300 @ 713	300 @ 713	300 @ 713	300 @ 825	23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM	120 @ 1700	115 @ 1700	126 @ 1700	113 @ 1700	114 @ 1600	160 @ 2100	25
26 Calibration Flow	356	356	435	356	413	365	26
27 Check Point (1) PSI @ RPM	97 - 103 @ 1200	92 - 98 @ 1200	104 - 110 @ 1200	90 - 96 @ 1200	90 - 96 @ 1200	99 - 105 @ 1300	27
28 Check Point (1) Flow	315	315	397	315	368	277	28
29 Check Point (2) PSI @ RPM							29
30 Check Point (2) Flow							30
31 Check Point (3) PSI @ RPM							31
32 Check Point (3) Flow							32
33 Weight Assist Setting - Spring	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.790 - 143854	.800 - 143854	33
34 Idle Plunger Code - Part No.	17 - 140417	20 - 141629	12 - 141626	17 - 140417	22 - 141630	30 - 141633	34
35 Fuel Pump Housing	3893831	3893831	3893547	3893832	3059632	3059632	35
36 Auto. Idle Spring	3018767	3018767	3018767	3018767	3018767	3018767	36
37 Auto. Gov. Spring - Ref. Shims	143255 - .105	143255 - .120	3004751 - .190	143255 - .105	3036897 - .130	3000940 - .160	37
38 Gear Pump Size In.	.750	.750	.750	.750	.750	.750	38
39 Auto. Gov. Weights	146437	146437	146437	146437	146437	146437	39
40 Auto. Gov. Plunger	3074330	3074330	3070740	3074330	3040760	3040760	40
41 Torque Spring - Shims - Gage Height	3053175 - .042 - .542	3053175 - .044 - .540	3051813 - .065 - .565	3053175 - .044 - .544	3053164 - .072 - .572	139588 - .030 - .630	41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly	3070590	3070590	3070591	3070590	3070590	3058944	47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI	1200 - 30	1200 - 20	1200 - 23	1200 - 20	1200 - 27	1300 - 80	49
50 AFC Flow - pph	160	132	162	132	174	242	50
51 AFC Spring - Gage Height-In.	179824 - .117	179824 - .117	179830 - .117	179824 - .117	179828 - .117	179818 -	51
52 AFC Bias Spring	3071949	3071950	3071704	3071949	3071704	3071952	52
53 AFC No Air RPM - PSI	1200 - 36	1200 - 26	1200 - 26	1200 - 26	1200 - 30	1300 - 87	53
54 AFC No Air Flow	185	153	176	153	186	254	54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger			3066447				58
59 EFC Assembly			3071374				59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve	FS 2001	FS 2010	FS 2001		FS 2001	FS 2001	61
62 Certified Year/Agency	1993 CARB	1993 CARB	1991 CARB	1993 AUST	1993 CARB		62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	L10-260	L10-260	91STC-L10-300	L10-260	L10-280 91STC	LT10-C	66
67 Notes	SEE NOTE (2)	SEE NOTE (2)		SEE NOTE (4)			67

NOTES

(2) CEE/MAT INTERRUPTER VALVE REQUIRED;

(4) FOR AUSTRALIAN USE ONLY:

PT (TYPE G) FUEL PUMP CALIBRATION DATA

CODES Z001-A - Z991-B

1 Pump Code	Z001-A	Z002-A	Z003-B	Z004-C	Z991-B		1
2 Date - Control Parts List	FE888 - 0000	JAN89 - 0000	OCT92 - 0000	OCT92 - 0000	OCT92 - 0000		2
3 Test HP @ RPM	1 - 999 @	1 - 999 @	1 - 999 @	1 - 999 @	1 - 999 @		3
4 Governed Speed-RPM							4
5 Engine Fuel PSI							5
6 Fuel Rate Pound Per Hour							6
7 Intake Manifold Press. In./Hg							7
8 Torque Rise % - Curve							8
9 Torque Peak - PSI @ RPM							9
10 Cranking Fuel Press.-PSI @ RPM							10
11 Auto. Gov. Setting-RPM							11
12 VS/Sec. Gov. Setting-RPM							12
13 Cruise Speed-PSI @ RPM							13
14 Max. Auto. Gov. Check-RPM @ PSI							14
15 Min. Auto. Gov. Check-RPM @ PSI							15
16 RS Gov. Setting-PSI @ RPM							16
17 Low RS Gov. Setting-RPM							17
18 Max. VS/Sec. Gov. Check-RPM @ PSI							18
19 Min. VS/Sec. Gov. Check-RPM @ PSI							19
20 Throttle Leakage-cc - pph							20
21 Throttle Travel-Auto., VS, Levr							21
22 Idle Speed PSI @ RPM-Auto.							22
23 Idle Speed cc @ RPM-Auto.							23
24 VS/Sec. Gov. Idle PSI @ RPM - cc							24
25 Calibration PSI @ RPM							25
26 Calibration Flow							26
27 Check Point (1) PSI @ RPM	130 - 160 @ 2100	130 - 160 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100	150 - 180 @ 2100		27
28 Check Point (1) Flow	450	450	650	650	650		28
29 Check Point (2) PSI @ RPM	115 - 155 @ 1200	115 - 155 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200	140 - 170 @ 1200		29
30 Check Point (2) Flow	320	320	520	520	520		30
31 Check Point (3) PSI @ RPM	- 25 @ 175	- 25 @ 175	- 25 @ 175	- 25 @ 175	- 25 @ 175		31
32 Check Point (3) Flow	135	135	135	135	135		32
33 Weight Assist Setting - Spring							33
34 Idle Plunger Code - Part No.							34
35 Fuel Pump Housing							35
36 Auto. Idle Spring							36
37 Auto. Gov. Spring - Ref. Shims							37
38 Gear Pump Size In.				1.250	1.250		38
39 Auto. Gov. Weights							39
40 Auto. Gov. Plunger							40
41 Torque Spring - Shims - Gage Height							41
42 VS Gov. Max. Spring - Ref. Shims							42
43 VS Gov. Idle Spring							43
44 VS Gov. Weights							44
45 VS Gov. Plunger							45
46 VS Gov. Sleeve							46
47 AFC Barrel & Plunger Assembly							47
48 AFC In./Hg - PSI							48
49 AFC RPM - PSI							49
50 AFC Flow - pph							50
51 AFC Spring - Gage Height-In.							51
52 AFC Bias Spring							52
53 AFC No Air RPM - PSI							53
54 AFC No Air Flow							54
55 ASA Valve							55
56 TMD Set with ST589 - Shims							56
57 TMD Spring							57
58 TMD Plunger							58
59 EFC Assembly							59
60 PT Pacer Assembly							60
61 Fuel Line Check Valve							61
62 Certified Year/Agency							62
63 Certified Year/Agency							63
64 Certified Year/Agency							64
65 Certified Year/Agency							65
66 Engine Model	ECI-PUMP	ECI-PUMP	91N14 ECI	91N14 CELECT	91 ECI		66
67 Notes	SEE NOTE (1)	SEE NOTE (2)	SEE NOTE (3)	SEE NOTE (4)	SEE NOTE (4)		67

NOTES

- (1) CHECK POINT 3 OF 25 PSI @ 135 PPH (MIN) AT 175 RPM. SHUT-OFF VALVE MUST SHUT DOWN TO ZERO FLOW AT 2100 RPM.
- (2) CHECK POINT 3 OF 25 PSI @ 135 PPH (MIN) AT 175 RPM. SHUT-OFF VALVE MUST SHUT DOWN TO ZERO FLOW AT 2100 RPM.
- (3) CHECK POINT 3 OF 25 PSI @ 135 PPH (MIN.) AT 175 RPM. SHUT-OFF VALVE MUST SHUT DOWN TO ZERO FLOW AT 2100 RPM.
- (4) CHECK POINT 3 OF 25 PSI (MIN.) @ 135 PPH. AT 175 RPM. SHUT-OFF VALVE MUST SHUT DOWN TO ZERO FLOW AT 2100 RPM.
- (4) CHECK POINT 3 OF 25 PSI @ 135 PPH (MIN.) AT 175 RPM. SHUT-OFF VALVE MUST SHUT DOWN TO ZERO FLOW AT 2100 RPM. SERVICE ONLY CODE FOR 91N14 & 91L10; FUNCTIONALLY EQUIV. TO FCZ003 & FCZ004. TO BE USED BY PDC WHEN ORDERING BASE PUMP SPARES FOR N14 OR L10.

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NOTES

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NOTES

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