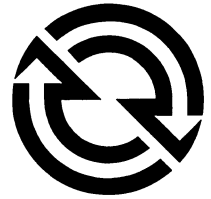


Engine Parts

DETROIT DIESEL



Engine

Generator Model:

800 kW

Engine Series:

92

Engine Model:

81637416

GENERAL INFORMATION

This customized parts catalog contains information specific to the customer serial number. All engine components in this catalog are divided into major groups of functionally related parts. A listing of the groups and their sub-groups appears under "Group Nomenclature" of this section.

The Alphabetical Index is particularly helpful when only a part name is known and the group can not readily be determined. Parts are listed alphabetically by noun name, followed by a description of the application of the part and the final group location.

Unlike the normal parts catalog this book does not contain types. The listing of parts is separated only by a group identification (e.g. 1.1000 for cylinder blocks). Components of major assemblies will follow the assembly. The order in which parts are listed is the same as the normal parts catalog.

Also included in the last pages of this catalog is a listing of various supplies required to maintain your engine.

The data in this publication is based on information known to Detroit Diesel at the time of printing. While every care and effort has been taken to ensure the accuracy of all information, engine modifications or subsequent engineering changes or enhancements may cause certain data to be superseded or rendered obsolete. Detroit Diesel reserves the right to make changes to this catalog at any time without notice.

If additional assistance is needed please contact your authorized Detroit Diesel service outlet.

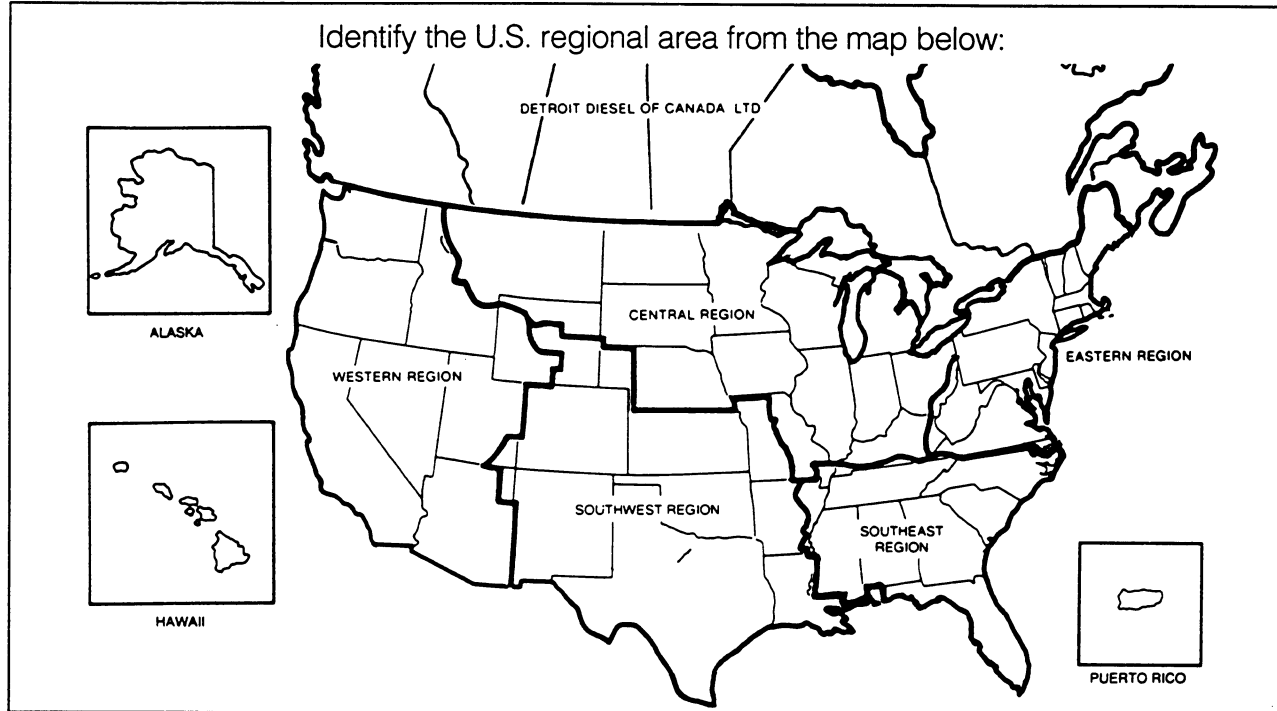
IMPORTANT ENGINE INFORMATION

Your engine serial number should be kept readily available. It can be used to identify your model as well as ALL service parts including kits, sets, warranty information and extended coverage available.

CUSTOMER ASSISTANCE

The satisfaction and goodwill of the owners of Detroit Diesel engines are of primary concern to Detroit Diesel Corporation and its distributor/dealer organizations.

As the owner of a Detroit Diesel product you have a complete network of over 3,000 Detroit Diesel service outlets in the U.S. and Canada, plus many outlets worldwide that are prepared to meet your parts and service needs:



EASTERN REGION

Long Branch, New Jersey
187 Monmouth Park Highway
West Long Branch, NJ 07764
Phone: (908) 222-1888
Fax: (908) 222-3411

SOUTHEASTERN REGION

Atlanta, Georgia
5105 Bowden Road
P.O. Box 16426
Jacksonville, FL 32245-6426
Phone: (904) 448-8833
Fax: (904) 448-2444

CENTRAL REGION

Detroit, Michigan
13400 Outer Drive, West
Detroit, MI 48239-4001
Phone: (313) 592-5990
Fax: (313) 592-5158

SOUTHWESTERN REGION

Dallas, Texas
2711 LBJ Freeway
Suite 1036
Dallas, TX 75234
Phone: (214) 247-4313
Fax: (214) 247-4316

WESTERN REGION

Downey, California
10645 Studebaker Road
Downey, CA 90241
Phone: (310) 929-7016
Fax: (310) 864-0502

CANADIAN REGION

London, Ontario
Detroit Diesel of Canada Ltd.
150 Dufferin Ave., Suite 701
London, ON N6A 5N6
Phone: (519) 661-0149
Fax: (519) 661-0171

LATIN AMERICAN REGION

Miami, Florida
2277 N.W. 14th Street
Miami, FL 33125-0068
Phone: (305) 637-1555
Fax: (305) 637-1580

ASIAN REGION

Singapore
7 Jurong Pier Rd.
Singapore 2261
Phone: (65) 265-4697
Fax: (65) 265-9530

PACIFIC REGION

Australia
13 Lynette Ave.
Beaumaris, Victoria 3193
Australia
Phone: (61) 3-5895181
Fax: (61) 3-5893424

EUROPE, MIDDLE EAST, AFRICA (EMA) REGION

The Netherlands
Ridderpoort 9
P.O. Box 4161
2980 GD Ridderkerk
The Netherlands
Phone: (31) 1804-63541
Fax: (31) 1804-62062

MEXICO

Detroit Diesel-Allison de Mexico, S.A.
Reforma 2977
Colonia, Cuajimalpa
Mexico, D.F. 05000, Mexico
Phone: (52) 5-570-3860
Fax: (52) 5-570-3109

DETROIT DIESEL

Custom Parts Catalog

ENGINE DESCRIPTION

SERIAL NUMBER: 16VF014487

SERIES NUMBER: 92

MODEL NUMBER: 81637416

GROUP NOMENCLATURE

1.0000	ENGINE (less major assemblies)	5.0000	COOLING SYSTEM (CONT'D)
1.1000	Cylinder Block	5.3000B	Water Connections
1.1000A	Air Box Drains	5.4000A	Fan
1.2000	Cylinder Head	5.4000B	Fan Shroud
1.2000A	Engine Lifter Bracket	5.5000A	Heat Exchanger or Keel Cooling
1.3000	Crankshaft, Oil Seals and Stabilizers	5.6000A	Raw Water Pump
1.3000A	Crankshaft Front Cover	5.7000A	Water Filter
1.3000B	Vibration Damper		
1.3000C	Crankshaft Pulley	6.0000	EXHAUST SYSTEM
1.3000D	Crankshaft Pulley Belt	6.1000A	Exhaust Manifold and/or Connections
1.4000A	Flywheel	6.2000A	Exhaust Muffler and/or Connections
1.5000A	Flywheel Housing		
1.5000B	Flywheel Housing Adaptor	7.0000	ELECTRICAL INSTRUMENTS
1.6000	Connecting Rod and Piston	7.1000A	Battery Charging Generator
1.7000	Camshaft and Gear Train	7.2000A	Battery Cables
1.7000A	Balance Weight Cover	7.2000B	Automatic Starting
1.7000B	Accessory Drive	7.2000B	Automatic Starting (Twin and Quad)
1.8000	Valve Injector Operating Mechanism	7.3000A	Starting Motor
1.8000A	Rocker Cover	7.4000A	Instruments
		7.4000A	Instruments (Twin and Quad)
		7.4000B	Tachometer Drive
		7.4000B	Tachometer Drive (Twin and Quad)
		7.4000C	Shutoff, Alarm and O.S. Governor
		7.4000C	Shutoff, Alarm and O.S. Governor (Twin and Quad)
		7.5000A	Power Generator
		7.6000A	Control Cabinet
		7.6000A	Control Cabinet (Twin and Quad)
		7.7000A	Wiring Harness
		7.7000B	Throttle and Gear Control System Electronic
		7.7000C	CRT and LCD Display System Electronic
		7.8000A	Air Heater
		7.8000A	Air Heater (Twin and Quad)
		7.9000A	Hydraulic Governor Solenoid
		8.0000	POWER TAKE-OFF
		8.1000A	Power Take-off and/or Clutch
		8.1000A	Power Take-off and/or Clutch (Twin and Quad)
		8.3000A	Torque Converter
		8.3000A	Torque Converter (Twin and Quad)
		8.3000B	Transmission Lines
		9.0000	TRANSMISSION AND PROPULSION
		9.1000A	Hydraulic Marine Gear
		9.1000A	Hydraulic Marine Gear (Twin and Quad)
		9.2000A	Reverse and Reduction Gear (mechanical)
		9.3000A	Power Transfer Gear
		9.3000A	Power Transfer Gear (Twin and Quad)
		9.4000	Transmission—Highway
		9.7000	Transmission—Off-highway
		9.9000	Transmission—Rail Car
		10.0000	SHEET METAL
		10.1000A	Engine Hood
		11.0000	ENGINE MOUNTING
		11.1000A	Engine Mounting and Base
		11.1000A	Engine Mounting and Base (Twin and Quad)
		12.0000	MISCELLANEOUS
		12.2000A	Bilge Pump
		12.3000A	Vacuum Pump
		12.4000A	Air Compressor
		12.5000A	Hydraulic Pump
		12.6000A	Gasoline Starter
		12.6000B	Air Starter
		12.6000C	Cold Weather Starting Aid
		12.6000D	Hydraulic Starter
		12.6000E	Hydraulic Starter Accessories
		12.7000A	Appearance Package Parts
		12.8000A	Supplies
		12.8000B	Fabrication Material
		12.8000C	Miscellaneous Service Kits and Sets
		12.8000D	Miscellaneous Service Parts/Reliability
2.0000	FUEL SYSTEM		
2.1000A	Fuel Injector		
2.1000B	Electronic Injector Controls		
2.2000	Fuel Pump		
2.2000A	Fuel Pump Drain		
2.3000A	Fuel Filter and Strainer		
2.3000A	Fuel Filter and Strainer (Twin and Quad)		
2.4000	Fuel Manifold and/or Connections		
2.4000A	Dual Fuel System		
2.5000A	Fuel Lines and Fuel Cooler		
2.5000A	Fuel Lines and Fuel Cooler (Twin and Quad)		
2.6000A	Fuel Tank		
2.6000B	Electric Governor		
2.7000A	Mechanical Governor		
2.8000A	Hydraulic Governor		
2.9000	Injector Controls		
2.9000	Injector Controls (Twin and Quad)		
2.9000A	Throttle Controls		
2.9000A	Throttle Controls (Twin and Quad)		
3.0000	AIR SYSTEM		
3.1000A	Air Cleaner and/or Adaptor		
3.2000A	Air Silencer		
3.3000A	Air Inlet Housing		
3.3000C	Air Intake Manifold		
3.4000	Blower and Drive		
3.4000A	Blower Drive Shaft		
3.4000B	Blower End Plate Cover		
3.5000A	Turbocharger, Intercooler, and Aftercooler		
4.0000	LUBRICATING SYSTEM		
4.1000A	Oil Pump		
4.1000B	Oil Distribution System		
4.1000C	Oil Pressure Regulator		
4.2000A	Oil Filter		
4.3000A	Oil Filter Lines		
4.4000A	Oil Cooler and Marine Gear Lines		
4.5000A	Oil Filler		
4.6000A	Dipstick		
4.7000A	Oil Pan		
4.8000A	Ventilating System		
5.0000	COOLING SYSTEM		
5.1000	Fresh Water Pump		
5.1000A	Fresh Water Pump Cover		
5.2000A	Water Outlet Manifold and/or Elbow		
5.2000B	Thermostat		
5.2000C	Water Bypass Tube		
5.3000A	Radiator		

JULY 1992

COPYRIGHT 1992 DETROIT DIESEL CORPORATION

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
A		A	
ACCESSORY DRIVE	1. 7000B	AUTOMATIC STARTING	7. 2000B
ACTUATOR ASSEMBLY, GEAR	7. 7460	B	
ACTUATOR ASSY., GOVERNOR	2. 6505	BAFFLE, BREATHER	4. 8025
ACTUATOR, TROLL VALVE	7. 7422	BAFFLE, OIL COOLER	4. 4085
ADAPTOR, ACCESSORY DRIVE	1. 7622	BAFFLE, OIL PAN	4. 7045
ADAPTOR, AIR COMPRESSOR	12.4020	BAFFLE, REDUCTION GEAR OIL	9. 1380
ADAPTOR, AIR INLET HOUSING	3. 3004	BALANCE WEIGHT COVER	1. 7000A
ADAPTOR, AIR SILENCER	3. 2015	BALL HEAD ASSY., GOVERNOR	2. 8560
ADAPTOR, CYLINDER HEAD GOVERNOR		BASE KIT, GOVERNOR	2. 8690
CONTROL LINK	2. 8945	BATTERY, CHARGING GENERATOR	7. 1000A
ADAPTOR, DIPSTICK	4. 6030	BEARING, ACCESSORY DRIVE	1. 7655
ADAPTOR, EXHAUST MANIFOLD	6. 1003	BEARING, AIR COMPRESSOR DRIVE SHAFT	12.4048
ADAPTOR, EXHAUST OUTLET	6. 2120	BEARING, BLOWER ROTOR FRONT	3. 4040
ADAPTOR, FLANGE MOUNTED ALTERNATOR	7. 1588	BEARING, BLOWER ROTOR REAR	3. 4060
ADAPTOR, FLYWHEEL HOUSING	1. 5130	BEARING, CAMSHAFT END	1. 7010
ADAPTOR, FRESH WATER PUMP	5. 1005	BEARING, CAMSHAFT INTERMEDIATE	1. 7040
ADAPTOR, FUEL PUMP DRIVE	2. 2260	BEARING, CLUTCH DRIVE SHAFT	8. 1680
ADAPTOR, HYDRAULIC MARINE GEAR OIL		BEARING, CLUTCH PILOT	1. 4040
PUMP	9. 1477	BEARING, CLUTCH PILOT	8. 1450
ADAPTOR, HYDRAULIC PUMP	12.5020	BEARING, CLUTCH RELEASE	8. 1290
ADAPTOR, HYDRAULIC PUMP DRIVE SHAFT		BEARING, CRANKSHAFT FRONT TRUNNION	11.1089
BEARING	12.5037	BEARING, FAN SHAFT	5. 4110
ADAPTOR, OIL COOLER	4. 4110	BEARING, FLYWHEEL PILOT	9. 1210
ADAPTOR, OIL FILLER TUBE	4. 5005	BEARING, FRESH WATER PUMP	5. 1070
ADAPTOR, OIL FILTER	9. 1782	BEARING, GENERATOR DRIVE	7. 1535
ADAPTOR, OIL FILTER COVER	4. 2291	BEARING, GOVERNOR DRIVE THRUST	2. 8830
ADAPTOR, OIL FILTER TUBE-REMOTE		BEARING, GOVERNOR DRIVEN SHAFT	2. 8810
MOUNTED FILTER	4. 3025	BEARING, GOVERNOR OPERATING SHAFT-	
ADAPTOR, OIL PRESSURE SWITCH	7. 4590	LOWER	2. 7270
ADAPTOR, OVERSPEED TRIP GOVERNOR	7. 4635	BEARING, GOVERNOR OPERATING SHAFT-	
ADAPTOR, POWER TAKE-OFF TO CLUTCH	8. 1905	UPPER	2. 7260
ADAPTOR, TACHOMETER DRIVE CABLE	7. 4420	BEARING, GOVERNOR PILOT VALVE PLUNGER	
ADAPTOR, TACHOMETER DRIVE COVER	7. 4457	THRUST	2. 8610
ADAPTOR, THROTTLE CONTROL KNOB	2. 9132	BEARING, GOVERNOR THROTTLE SHAFT	2. 7100
ADAPTOR, TURBOCHARGER EXHAUST OUTLET	3. 5324	BEARING, GOVERNOR VARIABLE SPEED	
ADAPTOR, WATER TEMPERATURE GAGE	7. 4084	SPRING LEVER	2. 7732
ADAPTOR, WATER TEMPERATURE SWITCH	7. 4509	BEARING, GOVERNOR VARIABLE SPEED	
ADDITIVE, CURING (THREADLOCK & RTV)	12.8252	SPRING LEVER SHAFT	2. 7712
ADDITIVES, DIESEL FUEL	12.8280	BEARING, GOVERNOR WEIGHT	2. 7440
ADDITIVES, SUPPLEMENT COOLANT	12.8260	BEARING, GOVERNOR WEIGHT RISER THRUST	2. 7460
AFTERCOOLER	3. 5436	BEARING, GOVERNOR WEIGHT SHAFT END	2. 7470
AIR BOX DRAINS	1. 1000A	BEARING, HYDRAULIC PUMP DRIVE SHAFT	12.5033
AIR CLEANER AND/OR ADAPTOR	3. 1000A	BEARING, IDLER GEAR	1. 7225
AIR CLEANER ASSY.	3. 1001	BEARING, OVERSPEED TRIP GOVERNOR	
AIR COMPRESSOR	12.4000A	OPERATING SHAFT	7. 4647
AIR HEATER	7. 8000A	BEARING, PISTON PIN	1. 6142
AIR INLET HOUSING	3. 3000A	BEARING, PLANETARY GEAR PINION	9. 1083
AIR SILENCER	3. 2000A	BEARING, RAW WATER PUMP	5. 6130
AIR STARTER	12.6000B	BEARING, REDUCTION GEAR DRIVE SHAFT	
AIR STARTER ASSY.	12.6080	PILOT	9. 1345
AIR STRAINER AND LUBRICATION ASSY., AIR		BEARING, REDUCTION GEAR DRIVE SHAFT	
STARTER	12.6120	THRUST	9. 1350
AMMETER, BATTERY CHARGING	7. 4015	BEARING, REDUCTION GEAR PINION	9. 1320
APPEARANCE PACKAGE PARTS	12.7000A	BEARING, REDUCTION GEAR SHAFT	8. 1945
APPEARANCE PACKAGE PARTS-SECTION 1	12.7001	BEARING, REDUCTION GEAR SHAFT PILOT	8. 1940
APPEARANCE PACKAGE PARTS-SECTION 3	12.7003	BEARING, ROTOR ASSY. SHAFT	3. 5027
APPEARANCE PACKAGE PARTS-SECTION 4	12.7004	BEARING, THROTTLE CONTROL BELL CRANK	
APPEARANCE PACKAGE PARTS-SECTION 5	12.7005	SUPPORT	2. 9705
ARM ASSY., EXHAUST VALVE ROCKER	1. 8060	BELL CRANK ASSY., GOVERNOR OPERATING	2. 8965
ARM ASSY., INJECTOR ROCKER	1. 8080	BELL CRANK, THROTTLE CONTROL	2. 9710
ATTACHING PARTS, CYLINDER BLOCK FRONT			
TO REAR	1. 1003		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
B		B	
BELL, ALARM SYSTEM	7. 4513	BRACKET, FUEL SYSTEM JUNCTION BLOCK . . .	2. 5252
BELT, AIR COMPRESSOR DRIVE	12.4045	BRACKET, GENERATOR ADJUSTING STRAP . . .	7. 1582
BELT, CRANKSHAFT PULLEY DRIVE	1. 3320	BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD	7. 1587
BELT, GENERATOR DRIVE	7. 1575	BRACKET, GENERATOR MOUNTING	7. 1595
BLADE, FAN HIGH LOW AND CRANKSHAFT MOUNTED	5. 4010	BRACKET, GOVERNOR AND TRANSMISSION CONTROL MT	2. 9920
BLOCK, CYLINDER	1. 1001	BRACKET, GOVERNOR CONTROL RETRACTING SPRING	2. 9406
BLOCK, FUEL SYSTEM JUNCTION	2. 5250	BRACKET, GOVERNOR LEVER RETRACTING SPRING	2. 7220
BLOWER AND DRIVE	3. 4000	BRACKET, GOVERNOR OIL RESERVOIR	2. 6624
BLOWER ASSY.	3. 4001	BRACKET, GOVERNOR OIL RESERVOIR	2. 8907
BLOWER DRIVE SHAFT	3. 4000A	BRACKET, GOVERNOR OPERATING SOLENOID VALVE	2. 8917
BLOWER KIT, INSTALLATION	3. 4003	BRACKET, GOVERNOR SPEED ADJUSTING LEVER	2. 8440
BLOWER KIT, REPAIR	3. 4005	BRACKET, GOVERNOR THROTTLE SPEED ADJUSTING SHAFT	2. 7172
BLOWER, PARTICULATE TRAP	6. 2400	BRACKET, HARNESS MOUNTING	12.6450
BODY ASSY., INJECTOR	2. 1020	BRACKET, HEAT EXCHANGER MOUNTING . . .	5. 5070
BODY, BREATHER OR SEPARATOR	4. 8050	BRACKET, INJECTOR CONTROL TUBE	2. 9003
BODY, FRESH WATER PUMP	5. 1030	BRACKET, INTERCOOLER MOUNTING	3. 5426
BODY, FUEL PUMP	2. 2010	BRACKET, LCD MOUNTING	7. 7705
BODY, OIL PRESSURE REGULATOR AND RELIEF	4. 1680	BRACKET, MARINE GEAR OIL FILTER MOUNTING	4. 4367
BODY, OIL PUMP	4. 1040	BRACKET, OIL COOLER HOUSING SUPPORT . .	4. 4100
BODY, WATER FILTER	5. 7013	BRACKET, OIL COOLER WATER INLET TUBE SUPPORT	4. 4215
BOLT, AIR CLEANER ASSY.	3. 1070	BRACKET, OIL FILTER LINE CLIP	4. 3050
BOLT, CRANKSHAFT MAIN BEARING CAP . . .	1. 3140	BRACKET, OIL FILTER MOUNTING	2. 8995
BOLT, FORWARD CLUTCH EMERGENCY ENGAGEMENT	9. 1220	BRACKET, OIL FILTER MOUNTING	4. 2440
BOLT, ROCKER COVER	1. 8460	BRACKET, OIL PUMP SCREEN SUPPORT	4. 1540
BOOT, INJECTOR CONTROL TUBE LINK	2. 8950	BRACKET, OVERSPEED TRIP GOVERNOR SWITCH	7. 4664
BOTTLE, COOLANT RECOVERY	5. 5193	BRACKET, PARTICULATE TRAP MODULE MOUNTING	6. 2390
BRACE, ENGINE FRONT COVER SUPPORT . . .	1. 2067	BRACKET, PARTICULATE TRAP MOUNTING . . .	6. 2330
BRACKET, ACCESSORY DRIVE	1. 7607	BRACKET, PARTICULATE TRAP MOUNTING . . .	6. 2485
BRACKET, ACTUATOR MOUNTING	2. 6530	BRACKET, RADIATOR MOUNTING	5. 3260
BRACKET, AIR CLEANER MOUNTING	3. 1230	BRACKET, RAW WATER INLET MANIFOLD CLIP	5. 5363
BRACKET, AIR COMPRESSOR MOUNTING . . .	12.4010	BRACKET, REGULATOR/VALVE MOUNTING . .	4. 8004
BRACKET, AIR INLET HOUSING TO SOLENOID	3. 3034	BRACKET, ROCKER SHAFT	1. 8170
BRACKET, AIR SHUTOFF SOLENOID	7. 4530	BRACKET, STARTING MOTOR SUPPORT	7. 3007
BRACKET, AIR STARTER	12.6170	BRACKET, THROTTLE BOOSTER SPRING	2. 9344
BRACKET, BOAT BUILDER INTERFACE MODULE	2. 1514	BRACKET, THROTTLE CONTROL AIR CYLINDER	2. 9875
BRACKET, BREATHER EXTENSION PIPE	4. 8183	BRACKET, THROTTLE CONTROL KNOB SHAFT . .	2. 9150
BRACKET, CATALYTIC CONVERTER MOUNTING	6. 2510	BRACKET, THROTTLE CONTROL SOLENOID . . .	2. 9357
BRACKET, COMPRESSOR SENSOR	2. 1660	BRACKET, TRS AND SRS SENSOR	2. 1645
BRACKET, CYLINDER THROTTLE DELAY ROCKER SHAFT	2. 9030	BRACKET, TURBOCHARGER AIR INLET	3. 5398
BRACKET, ELECTRONIC CONTROL MODULE . .	2. 1507	BRACKET, TURBOCHARGER AIR OUTLET TUBE	3. 5415
BRACKET, ELECTRONIC DISTRIBUTOR UNIT . .	2. 1530	BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION	3. 5308
BRACKET, ENGINE LIFTER-FRONT	1. 2070	BRACKET, TURBOCHARGER MOUNTING	3. 5300
BRACKET, ENGINE LIFTER-REAR	1. 2080	BRACKET, TURBOCHARGER SUPPORT	3. 5002
BRACKET, ENGINE SUPPORT	11.1075	BRACKET, WATER FILTER MOUNTING	5. 7080
BRACKET, EXHAUST MUFFLER MOUNTING STRAP	6. 2035	BRACKETS, COLLECTOR	4. 8260
BRACKET, FAN SHAFT	5. 4090	BRACKETS, PARTICULATE TRAP CONNECTION SUPPORT	6. 2360
BRACKET, FAN SUPPORT	5. 4027	BREATHER ASSY.	4. 8045
BRACKET, FILTER TO CYLINDER HEAD CLIP .	2. 5190	BREATHER, REDUCTION GEAR	8. 1965
BRACKET, FLEXIBLE HOSE HEAT SHIELD . . .	2. 5254	BRIDGE, EXHAUST VALVE	1. 8343
BRACKET, FLYWHEEL HOUSING TO HEAD SUPPORT	1. 5025		
BRACKET, FUEL COOLER	2. 5211		
BRACKET, FUEL COOLER MOUNTING	5. 5429		
BRACKET, FUEL DRAIN CLIP	2. 5230		
BRACKET, FUEL FILTER MOUNTING	2. 3530		
BRACKET, FUEL PUMP TO FILTER HOSE CLIP	2. 5130		
BRACKET, FUEL STRAINER MOUNTING	2. 3260		
BRACKET, FUEL SUPPLY TO STRAINER CLIP . .	2. 5030		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
B		C	
BUSHING, INJECTOR ROCKER ARM-LARGE	1. 8110	CASING, FLEXIBLE SHAFT	12.8502
BUSHING, ACCESSORY DRIVE GEAR	1. 7632	CHAIN, OIL FILLER CAP	4. 5030
BUSHING, AIR INLET HOUSING BY-PASS BLOWER SHAFT	3. 3054	CLAMP, AIR INLET PIPE HOSE	3. 1280
BUSHING, BLOWER DRIVE GEAR	1. 7431	CLAMP, AIR SILENCER OUTLET ELBOW HOSE	3. 2024
BUSHING, CAM AND BALANCE SHAFT END	1. 7015	CLAMP, AMMETER	7. 4020
BUSHING, CRANKSHAFT REAR SUPPORT	1. 5023	CLAMP, BLOWER DRIVE COVER PACKING	3. 4227
BUSHING, EXHAUST VALVE ROCKER ARM- LARGE	1. 8100	CLAMP, BLOWER VALVE (BYPASS)	3. 4146
BUSHING, GOVERNOR CONTROL SHAFT BRACKET	2. 9230	CLAMP, CATALYTIC CONVERTER BRACKET	6. 2505
BUSHING, GOVERNOR SHUTDOWN SHAFT	2. 7111	CLAMP, EXHAUST MANIFOLD FRESH WATER INLET HOSE	5. 3434
BUSHING, GOVERNOR SPEED ADJUSTING TERMINAL SLEEVE	2. 8483	CLAMP, EXHAUST MANIFOLD FRESH WATER OUTLET HOSE	5. 3445
BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS	1. 8140	CLAMP, HEAT EXCHANGER FRESH WATER INLET CONNECTION HOSE	5. 5250
BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM-SMALL	1. 8120	CLAMP, HEAT EXCHANGER FRESH WATER INLET HOSE	5. 3305
BUSHING, OIL PUMP BODY	4. 1050	CLAMP, HEAT EXCHANGER RAW WATER INLET TUBE HOSE	5. 5480
BUSHING, OIL PUMP COVER	4. 1240	CLAMP, HEAT EXCHANGER TO WATER PUMP HOSE	5. 3341
BUSHING, OVERSPEED TRIP GOVERNOR HOUSING	7. 4615	CLAMP, HEAT EXCHANGER WATER INLET TUBE	5. 5441
BUSHING, THROTTLE CONTROL SHAFT BRACKET	2. 9160	CLAMP, INJECTOR	2. 1270
BUSHING, VERNIER THROTTLE CONTROL WORM	2. 9142	CLAMP, INTERCOOLER INLET TUBE	5. 5732
BUTTON, VERNIER THROTTLE CONTROL LOCK	2. 9145	CLAMP, INTERCOOLER OUTLET TUBE	5. 5736
C		CLAMP, OIL COOLER WATER INLET CONNECTION	5. 3366
CABLE ASSY., TRANSMISSION CONTROL MT	2. 9940	CLAMP, OIL COOLER WATER INLET HOSE	4. 4214
CABLE, FLEXIBLE SHAFT	12.8500	CLAMP, OIL COOLER WATER OUTLET HOSE	4. 4250
CABLE, PARTICULATE TRAP	6. 2430	CLAMP, OIL COOLER WATER OUTLET TUBE HOSE	4. 4290
CAGE, INJECTOR CHECK VALVE	2. 1205	CLAMP, OIL PRESSURE GAGE	7. 4072
CAGE, INJECTOR VALVE SPRING	2. 1257	CLAMP, OIL TEMPERATURE GAGE	7. 4078
CAGE, PLANETARY GEAR	9. 1081	CLAMP, RADIATOR INLET HOSE	5. 3300
CAM, AIR INLET HOUSING SHUTDOWN VALVE SHAFT	3. 3063	CLAMP, RADIATOR OUTLET HOSE	5. 3340
CAM, BLOWER DRIVE COUPLING	3. 4390	CLAMP, RAW WATER PUMP OUTLET TUBE	5. 5385
CAM, RAW WATER PUMP BODY OFFSET	5. 6035	CLAMP, TACHOMETER	7. 4065
CAMSHAFT AND GEAR TRAIN	1. 7000	CLAMP, TACHOMETER DRIVE ADAPTOR RETAINING	7. 4433
CAMSHAFT ASSY.	1. 7001	CLAMP, WATER TEMPERATURE GAGE	7. 4082
CANISTER ASSY., AIR BOX DRAIN	1. 1117	CLAMPS, PARTICULATE TRAP CONNECTION	6. 2350
CAP AND SPACER, FAN HUB	5. 4180	CLEANER, COOLANT SYSTEM	12.8270
CAP ASSY., OIL PAN DRAIN TUBE	4. 7103	CLEVIS, INJECTOR AND EXHAUST VALVE ROCKER ARM	1. 8130
CAP, CRANKSHAFT MAIN BEARING	1. 3110	CLIP, AIR BOX DRAIN TUBE	1. 1145
CAP, CRANKSHAFT-FRONT	1. 3058	CLIP, AIR COMPRESSOR LUBE OIL TUBE	12.4080
CAP, EXHAUST VALVE SPRING	1. 8350	CLIP, AIR COMPRESSOR WATER TUBE	12.4095
CAP, EXPANSION TANK	5. 5140	CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE	3. 3270
CAP, GOVERNOR LOW SPEED SPRING	2. 7580	CLIP, BREATHER TUBE	4. 8040
CAP, GOVERNOR WEIGHT HOUSING	2. 7510	CLIP, CYLINDER HEAD INLET	2. 5180
CAP, INJECTOR FILTER	2. 1130	CLIP, DIPSTICK	4. 6040
CAP, INJECTOR SHIPPING	2. 1150	CLIP, EXPANSION TANK OVERFLOW TUBE	5. 5200
CAP, OIL FILLER	4. 5010	CLIP, FILTER OUTLET TUBE	2. 5156
CAP, OVERSPEED TRIP GOVERNOR SPRING	7. 4653	CLIP, FUEL COOLER INLET LINES	2. 5216
CAP, RADIATOR FILLER	5. 3120	CLIP, FUEL DRAIN	2. 5220
CAP, REDUCTION GEAR OIL FILLER	9. 1415	CLIP, FUEL DRAIN CROSSOVER	2. 5207
CARRIER AND WEIGHT ASSY., GOVERNOR	2. 7330	CLIP, FUEL PUMP TO FILTER HOSE	2. 5120
CARRIER, BLOWER HOUSING END PLATE SEAL RING	3. 4158	CLIP, FUEL PUMP TO JUNCTION BLOCK HOSE	2. 5146
CARRIER, GOVERNOR WEIGHT SHAFT	2. 7370	CLIP, FUEL SUPPLY CROSSOVER TUBE	2. 5164
CARTON ENGINE PART	12.8050	CLIP, FUEL SUPPLY TO STRAINER	2. 5020
		CLIP, FUEL SYSTEM FLEXIBLE HOSE	12.8554

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
C		C	
CLIP, GOVERNOR CONTROL WIRE TUBE	2. 9428	CONNECTOR, EXHAUST MANIFOLD FRESH WATER OUTLET	5. 3436
CLIP, OIL COOLER LINES	4. 4345	CONNECTOR, FUEL PIPE	2. 4030
CLIP, OIL COOLER TO TRANSMISSION TUBE	8. 3819	CONNECTOR, TURBOCHARGER EXHAUST INLET	3. 5305
CLIP, OIL FILTER HOSE	8. 1992	CONTAINER, INJECTOR SHIPPING	2. 1010
CLIP, OIL FILTER LINE	4. 3045	CONTROL ASSY., GOVERNOR	2. 6510
CLIP, OIL PAN DRAIN TUBE	4. 7101	CONTROL, VERNIER THROTTLE	2. 9133
CLIP, PRESSURE PUMP TO RELIEF VALVE TUBE	8. 3807	CONTROLL ASSY., ACTUATOR	2. 6570
CLIP, RAW WATER INLET MANIFOLD	5. 5362	CONTROLLER, DUAL FUEL	2. 1415
CLIP, STRAINER TO FUEL PUMP	2. 5070	CONTROLLER, GLOW PLUG	2. 1709
CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.	7. 4412	CONVERTER, CATALYTIC	6. 2500
CLIP, TRANSMISSION CABLE MT	2. 9950	COOLER ASSY., BOOST	5. 5422
CLIP, TRANSMISSION TO OIL COOLER TUBE	8. 3801	COOLER ASSY., FUEL	2. 5212
CLIP, TURBOCHARGER OIL RETURN TUBE	3. 5507	COOLER ASSY., FUEL	5. 5425
CLIP, TURBOCHARGER OIL SUPPLY TUBE	3. 5502	COOLER ASSY., OIL COOLER	4. 4005
CLIP, TURBOCHARGER WATER LINE	3. 5527	CORE ASSY., RADIATOR	5. 3010
CLIP, WATER CROSSEVER TUBE	5. 3476	CORE, HEAT EXCHANGER	5. 5003
CLIP, WIRING HARNESS	7. 7010	CORE, OIL COOLER-ENGINE	4. 4001
CLUTCH ASSY.	8. 1017	CORE, OIL COOLER-MARINE GEAR	4. 4002
CLUTCH ASSY., FAN	5. 4112	COUPLING ASSY., POWER TAKE-OFF	8. 1910
COLD WEATHER STARTING AID	12.6000C	COUPLING, ACCESSORY DRIVE	1. 7635
COLLAR, BLOWER HOUSING END PLATE SEAL RING	3. 4159	COUPLING, AIR COMPRESSOR DRIVE	12.4050
COLLAR, CLUTCH RELEASE	8. 1295	COUPLING, BLOWER DRIVE	3. 4370
COLLAR, GOVERNOR DRIVE SHAFT	2. 8620	COUPLING, ENGINE DRIVE SHAFT FLEXIBLE	1. 4060
COLLAR, THROTTLE CONTROL LEVER	2. 9643	COUPLING, FLANGE MOUNTED ALTERNATOR DRIVE	7. 1566
COLLAR, TURBOCHARGER ROTOR THRUST	3. 5034	COUPLING, FUEL PUMP DRIVE	2. 2230
COLLECTOR ASSEMBLY	4. 8200	COUPLING, GENERATOR DRIVE-INNER	7. 1560
COMPRESSOR ASSY., AIR	12.4001	COUPLING, GOVERNOR LOW SPEED SPRING PLUNGER	2. 7558
COMPUTER ASSEMBLY, GENERAL PURPOSE	7. 7720	COUPLING, HYDRAULIC PUMP DRIVE	9. 1553
CONE, CRANKSHAFT PULLEY	1. 3295	COUPLING, HYDRAULIC PUMP DRIVE	12.5010
CONE, POWER TAKE-OFF ADAPTOR	8. 1907	COUPLING, MARINE GEAR DRIVE	9. 1006
CONE, VIBRATION DAMPER-FRONT	1. 3240	COUPLING, PROPELLER DRIVE SHAFT	9. 1440
CONE, VIBRATION DAMPER-REAR	1. 3250	COUPLING, RAW WATER PUMP DRIVE	5. 6420
CONNECTING ROD AND PISTON	1. 6000	COUPLING, THROTTLE CONTROL SHAFT	2. 9190
CONNECTING ROD ASSY.	1. 6001	COVER ASSY., DRIVE	1. 7700
CONNECTION, BOOST COOLER WATER	5. 5423	COVER ASSY., GOVERNOR-COMplete	2. 7045
CONNECTION, EXPANSION TANK OUTLET	5. 3311	COVER ASSY., GOVERNOR-LESS SHAFT AND LEVERS	2. 7050
CONNECTION, FLEXIBLE EXHAUST	6. 2095	COVER ASSY., ROCKER	1. 8450
CONNECTION, HEAT EXCHANGER FRESH WATER OUTLET	5. 5290	COVER, BALANCE WEIGHT	1. 7470
CONNECTION, HEAT EXCHANGER INLET	5. 2125	COVER, BALANCE WEIGHT COVER HOLE	1. 7490
CONNECTION, HEAT EXCHANGER INLET	5. 3314	COVER, BLOWER FUEL PUMP HOLE	3. 4223
CONNECTION, HEAT EXCHANGER WATER OUTLET	5. 3312	COVER, BLOWER HOUSING END PLATE	3. 4180
CONNECTION, OIL COOLER WATER INLET	4. 4211	COVER, CLUTCH HOUSING INSPECTION HOLE	8. 1060
CONNECTION, OIL COOLER WATER INLET	5. 3350	COVER, CRANKSHAFT FRONT	1. 3160
CONNECTION, RADIATOR INLET	5. 3270	COVER, CRANKSHAFT FRONT COVER GOVERNOR HOLE	1. 3175
CONNECTION, RADIATOR OUTLET	5. 3310	COVER, CRANKSHAFT FRONT COVER LARGE HOLE	1. 3197
CONNECTION, THERMOSTAT HOUSING WATER OUTLET	5. 3275	COVER, CRANKSHAFT FRONT COVER SMALL HOLE	1. 3195
CONNECTIONS, AFTERCOOLER WATER (FRESH)	5. 3428	COVER, CYLINDER BLOCK AIR BOX	1. 1077
CONNECTIONS, AFTERCOOLER WATER INLET/ OUTLET (DUAL PASS)	3. 5439	COVER, CYLINDER BLOCK HAND HOLE	1. 1040
CONNECTIONS, AFTERCOOLER WATER INTLET	3. 5437	COVER, CYLINDER BLOCK OIL HOLE	1. 1065
CONNECTIONS, AFTERCOOLER WATER OUTLET	3. 5438	COVER, CYLINDER BLOCK WATER HOLE	1. 1060
CONNECTIONS, BOOST COOLER WATER	5. 3423	COVER, CYLINDER HEAD GOVERNOR HOLE	1. 2050
CONNECTIONS, COLLECTOR	4. 8250	COVER, EXHAUST MANIFOLD	6. 1015
CONNECTIONS, PARTICULATE TRAP	6. 2340	COVER, EXPANSION TANK KEEL COOLING	5. 5020
CONNECTIONS, PARTICULATE TRAP BLOWER	6. 2410	COVER, FAST IDLE AIR CYLINDER	2. 7855
CONNECTOR, EXHAUST MANIFOLD FRESH WATER INLET	5. 3430	COVER, FAST IDLE AIR CYLINDER	7. 7012

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
C		C	
COVER, FLYWHEEL HOUSING ADAPTOR HOLE	1. 5145	CYLINDER, GOVERNOR SPEED CONTROL	
COVER, FLYWHEEL HOUSING LARGE HOLE	1. 5030	PISTON	2. 7741
COVER, FLYWHEEL HOUSING SMALL HOLE	1. 5050		
COVER, FORWARD CLUTCH DUMP VALVE			
SPRING	9. 1275	D	
COVER, FRESH WATER PUMP BODY	5. 1031	DAMPER ASSY., FLYWHEEL	1. 4006
COVER, FUEL FILTER	2. 3390	DAMPER, CRANKSHAFT FRONT TIMING GEAR	1. 3147
COVER, FUEL PUMP	2. 2030	DAMPER, VIBRATION	1. 3210
COVER, FUEL STRAINER	2. 3080	DEFLECTOR, INJECTOR SPILL	2. 1050
COVER, GOVERNOR	2. 8040	DEFLECTOR, ROTOR ASSY. SHAFT OIL	3. 5029
COVER, GOVERNOR CONTROL LINK HOUSING	2. 7898	DIAPHRAM, OVERSPEED VALVE PISTON	7. 4733
COVER, GOVERNOR FUEL ROD SPRING	2. 8085	DIPSTICK	4. 6000A
COVER, GOVERNOR HIGH SPEED SPRING	2. 7630	DIPSTICK	4. 6001
COVER, GOVERNOR HOLE	2. 6567	DIPSTICK, REDUCTION GEAR	8. 1960
COVER, HEAT EXCHANGER	5. 5030	DIPSTICK, REDUCTION GEAR	9. 1395
COVER, HEAT EXCHANGER RAW WATER-INLET	5. 5035	DISC ASSY., TRANS. INPUT	1. 4005
COVER, HYDRAULIC PUMP	9. 1490	DISC, BLOWER ROTOR FUEL PUMP COUPLING	3. 4110
COVER, INJECTOR CONTROL AIR CYLINDER	2. 9092	DISC, FLYWHEEL FLEXIBLE COUPLING	1. 4075
COVER, INJECTOR HARNESS	2. 1702	DISC, FUEL PUMP DRIVE	2. 2228
COVER, OIL COOLER ADAPTOR	4. 4116	DRAIN ASSY., RADIATOR	5. 3395
COVER, OIL COOLER BYPASS HOLE	4. 4182	DRAINCOCK, FUEL FILTER	2. 3500
COVER, OIL COOLER HOUSING	4. 4060	DRIVE ASSY., ACCESSORY	1. 7600
COVER, OIL FILTER	4. 2290	DRIVE ASSY., GENERATOR	7. 1507
COVER, OIL PAN	4. 7120	DRIVE ASSY., GOVERNOR	2. 8750
COVER, OIL PUMP	4. 1220	DRIVE ASSY., HYDRAULIC PUMP	12.5006
COVER, OIL PUMP INLET SCREEN	4. 1550	DRIVE GEAR AND SHAFT ASSY., TACHOMETER	
COVER, OIL PUMP PAD	4. 1290	DRIVE CABLE ADAPTOR	7. 4423
COVER, OIL STRAINER	9. 1675	DRIVEN GEAR AND SHAFT ASSY.,	
COVER, OVERSPEED TRIP GOVERNOR		TACHOMETER DRIVE CABLE ADAPTOR	7. 4425
HOUSING	7. 4630		
COVER, OVERSPEED VALVE	7. 4729	E	
COVER, RAW WATER PUMP	5. 6090	ELBOW, BREATHER	4. 8013
COVER, REDUCTION GEAR BEARING	9. 1365	ELBOW, EXHAUST MANIFOLD FRESH WATER	
COVER, REDUCTION GEAR HOUSING	8. 1925	OUTLET	5. 3440
COVER, STARTING MOTOR HOLE	1. 5070	ELBOW, FLYWHEEL HOUSING	1. 5132
COVER, STARTING MOTOR HOLE	7. 3738	ELBOW, OIL COOLER WATER OUTLET	4. 4220
COVER, TACHOMETER DRIVE	7. 4445	ELBOW, RAW WATER PUMP INLET	5. 6573
COVER, THERMOSTAT HOUSING	5. 2120	ELBOW, THERMOSTAT HOUSING COVER	
COVER, TURBOCHARGER OIL RETURN	3. 5503	OUTLET	5. 2122
COVER, VERNIER THROTTLE CONTROL	2. 9149	ELBOW, TURBOCHARGER AIR INLET	3. 1259
COVER, WATER FILTER	5. 7034	ELBOW, TURBOCHARGER AIR INLET	3. 5400
CRANKSHAFT ASSY.	1. 3001	ELBOW, TURBOCHARGER AIR OUTLET	3. 5417
CRANKSHAFT FRONT COVER	1. 3000A	ELBOW, WATER BYPASS TO HEAT	
CRANKSHAFT PULLEY	1. 3000C	EXCHANGER	5. 2212
CRANKSHAFT PULLEY BELT	1. 3000D	ELBOW, WATER MANIFOLD OUTLET	5. 2210
CRANKSHAFT, OIL SEALS AND STABILIZERS	1. 3000	ELECTRIC GOVERNOR	2. 6000B
CRT AND LCD DISPLAY SYSTEM ELECTRONIC	7. 7000C	ELECTRODE, HEAT EXCHANGER	5. 5010
CRT DISPLAY ASSEMBLY	7. 7601	ELECTRODE, RAW WATER PUMP	5. 6575
CUP, AIR CLEANER	3. 1010	ELEMENT ASSY., HEATER	12.6420
CUP, OIL PUMP RELIEF VALVE SPRING		ELEMENT, AIR CLEANER	3. 1050
RETAINING	4. 1275	ELEMENT, AIR SILENCER	3. 2002
CUSHION, ENGINE MOUNTING BASE		ELEMENT, FUEL FILTER	2. 3320
ISOLATION PAD	11.1010	ELEMENT, FUEL STRAINER	2. 3010
CUTOUT ASSY., GENERATOR VOLTAGE		ELEMENT, INJECTOR FILTER	2. 1110
REGULATOR	7. 1607	ELEMENT, OIL FILTER	2. 8986
CYLINDER ASSY., FAST IDLE AIR	2. 7850	ELEMENT, OIL FILTER	4. 2250
CYLINDER ASSY., INJECTOR CONTROL AIR	2. 9090	ELEMENT, OIL FILTER	9. 1780
CYLINDER ASSY., THROTTLE CONTROL AIR	2. 9860	ELEMENT, OIL STRAINER	9. 1655
CYLINDER BLOCK	1. 1000	ELEMENT, TRANSMISSION OIL FILTER	8. 3872
CYLINDER HEAD	1. 2000	ELEMENT, WATER FILTER	5. 7020
CYLINDER KIT	1. 6182		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
E		G	
ENGINE HOOD	10.1000A	GAGE, OIL TEMPERATURE	7. 4077
ENGINE LIFTER BRACKET	1. 2000A	GAGE, OIL PRESSURE-ENGINE	7. 4070
ENGINE MOUNTING AND BASE	11.1000A	GAGE, OIL PRESSURE-REVERSE GEAR OR TORQUE CONVERTER	7. 4071
EXHAUST MANIFOLD AND/OR CONNECTIONS	6. 1000A	GAGE, WATER TEMPERATURE	7. 4080
EXHAUST MUFFLER AND/OR CONNECTIONS	6. 2000A	GASKET BREATHER TUBE	4. 8020
EXTENSION, BREATHER TUBE	4. 8010	GASKET KIT, CYLINDER HEAD OVERHAUL	1. 2002
EXTENSION, OIL PAN SOUND DAMPENING	4. 7042	GASKET KIT, ENGINE OVERHAUL	1. 1002
EYE, THROTTLE BOOSTER ADJUSTING	2. 9348	GASKET SET, CYLINDER HEAD OIL	1. 2020
F		GASKET, ACCESSORY DRIVE	1. 7604
FABRICATION MATERIAL	12.8000B	GASKET, ACCESSORY DRIVE ADAPTOR	1. 7623
FACING, CLUTCH	8. 1030	GASKET, ACCESSORY DRIVE RETAINER	1. 7646
FAN	5. 4000A	GASKET, ACTUATOR CONTROL HOUSING MOUNTING	2. 6545
FAN ASSY.	5. 4001	GASKET, ACTUATOR DRIVE HOUSING TO BLOWER	2. 6565
FAN SHROUD	5. 4000B	GASKET, ADAPTOR TO OIL COOLER HOUSING	4. 4112
FAN, GENERATOR	7. 1440	GASKET, AIR CLEANER CUP	3. 1015
FERRULE AND NUT, FLEXIBLE SHAFT CASING	12.8514	GASKET, AIR CLEANER SCREEN	3. 1055
FILTER ASSY.	9. 1778	GASKET, AIR CLEANER TO INLET HOUSING PIPE	3. 1261
FILTER ASSY., FUEL	2. 3310	GASKET, AIR COMPRESSOR ADAPTOR	12.4025
FILTER ASSY., MARINE GEAR OIL	4. 4365	GASKET, AIR COMPRESSOR MOUNTING	12.4005
FILTER ASSY., OIL	4. 2240	GASKET, AIR HEATER	7. 8020
FILTER ASSY., OIL-FULL FLOW	2. 8985	GASKET, AIR INLET HOUSING	3. 3010
FILTER ASSY., SPIN-ON FUEL	2. 3316	GASKET, AIR INLET HOUSING FLANGE	3. 3007
FILTER ASSY., WATER	5. 7001	GASKET, AIR INLET HOUSING STRIKER PLATE	3. 3030
FILTER UNIT, BREATHER	4. 8060	GASKET, BALANCE WEIGHT COVER	1. 7480
FILTER, AIR STARTER	12.6087	GASKET, BALANCE WEIGHT COVER HOLE COVER	1. 7500
FILTER, COLLECTOR	4. 8210	GASKET, BLOWER	3. 4010
FILTER, PARTICULATE TRAP BLOWER AIR	6. 2402	GASKET, BLOWER DRIVE SUPPORT	1. 7436
FILTER, VALVE AIR	3. 3044	GASKET, BLOWER HOUSING END PLATE COVER	3. 4190
FITTING, CLUTCH DRIVE SHAFT BEARING GREASE	8. 1685	GASKET, BREATHER BODY OR SEPARATOR	4. 8070
FITTING, FUEL SYSTEM FLEXIBLE HOSE END	12.8552	GASKET, BREATHER SHELL COVER	4. 8057
FLANGE, EXHAUST	6. 2085	GASKET, CAMSHAFT FRONT END BEARING	1. 7012
FLANGE, MARINE GEAR DRIVE	9. 1004	GASKET, CLUTCH HOUSING INSPECTION HOLE COVER	8. 1070
FLANGE, OIL COOLER BYPASS TUBE	4. 4177	GASKET, COVER ASSY. DRIVE	1. 7725
FLANGE, OIL COOLER WATER OUTLET	4. 4242	GASKET, CRANKSHAFT FRONT COVER	1. 3170
FLANGE, PROPELLER DRIVE	9. 1430	GASKET, CRANKSHAFT FRONT COVER GOVERNOR HOLE COVER	1. 3177
FLANGE, TURBOCHARGER EXHAUST INLET	3. 5315	GASKET, CRANKSHAFT FRONT COVER LARGE HOLE COVER	1. 3198
FLOWMETER, PARTICULATE TRAP	6. 2450	GASKET, CRANKSHAFT FRONT COVER SMALL HOLE COVER	1. 3196
FLYWHEEL	1. 4000A	GASKET, CYLINDER BLOCK END PLATE-FRONT	1. 1030
FLYWHEEL ASSY.	1. 4001	GASKET, CYLINDER BLOCK END PLATE-REAR	1. 1032
FLYWHEEL ASSY., REVERSE GEAR	9. 1200	GASKET, CYLINDER BLOCK HAND HOLE COVER	1. 1050
FLYWHEEL HOUSING ADAPTOR	1. 5000B	GASKET, CYLINDER BLOCK OIL HOLE COVER	1. 1066
FLYWHEEL, HOUSING	1. 5000A	GASKET, CYLINDER BLOCK WATER HOLE COVER	1. 1070
FOLLOWER ASSY., CAM	1. 8260	GASKET, CYLINDER HEAD COMPRESSION	1. 2010
FOLLOWER, INJECTOR	2. 1060	GASKET, CYLINDER HEAD GOVERNOR HOLE COVER	1. 2060
FORK, FUEL PUMP COUPLING	2. 2220	GASKET, DIPSTICK	4. 6010
FORK, GOVERNOR OPERATING SHAFT-LOWER	2. 7290	GASKET, ENGINE LIFTER BRACKET	1. 2090
FORK, GOVERNOR SPEED ADJUSTING LINKAGE SPRING	2. 8435	GASKET, EXHAUST MANIFOLD	6. 1010
FRESH WATER PUMP	5. 1000	GASKET, EXHAUST MANIFOLD ADAPTOR	6. 1012
FUEL FILTER AND STRAINER	2. 3000A	GASKET, EXHAUST MANIFOLD COVER PLATE	6. 1110
FUEL INJECTOR/CNG CONTROLS	2. 1000A		
FUEL LINES AND FUEL COOLER	2. 5000A		
FUEL MANIFOLD AND/OR CONNECTIONS	2. 4000		
FUEL PUMP	2. 2000		
FUEL PUMP OUTLET TO COLD PLATE	2. 5115		
FUEL TANK	2. 6000A		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
G		G	
GASKET, EXHAUST MANIFOLD FRESH WATER INLET	5. 3431	GASKET, HEAT EXCHANGER WATER MANIFOLD	5. 2128
GASKET, EXHAUST MANIFOLD FRESH WATER OUTLET ELBOW	5. 3441	GASKET, HEAT EXCHANGER WATER OUTLET TUBE	5. 5570
GASKET, EXHAUST MANIFOLD OUTLET	6. 1060	GASKET, HYDRAULIC MARINE GEAR OIL PUMP	9. 1480
GASKET, EXHAUST OUTLET	6. 2105	GASKET, HYDRAULIC MARINE GEAR OIL PUMP ADAPTOR	9. 1478
GASKET, EXPANSION TANK FILLER NECK	5. 5130	GASKET, HYDRAULIC PUMP	12.5005
GASKET, EXPANSION TANK OUTLET CONNECTION	5. 3321	GASKET, HYDRAULIC PUMP ADAPTOR	12.5021
GASKET, FLANGE MOUNTED ALTERNATOR ADAPTOR	7. 1589	GASKET, HYDRAULIC PUMP VALVE SCREW	9. 1535
GASKET, FLYWHEEL HOUSING	1. 5010	GASKET, INJECTOR FILTER CAP	2. 1140
GASKET, FLYWHEEL HOUSING ADAPTOR	1. 5135	GASKET, LOWER OIL PAN	4. 7040
GASKET, FLYWHEEL HOUSING BELL	1. 5020	GASKET, OIL COOLER ADAPTOR COVER	4. 4117
GASKET, FLYWHEEL HOUSING LARGE HOLE COVER	1. 5040	GASKET, OIL COOLER ADAPTOR TO BLOCK	4. 4115
GASKET, FLYWHEEL HOUSING SMALL HOLE COVER	1. 5060	GASKET, OIL COOLER BYPASS HOLE COVER	4. 4184
GASKET, FRESH WATER PUMP	5. 1010	GASKET, OIL COOLER BYPASS TUBE	4. 4180
GASKET, FRESH WATER PUMP BEARING SUPPORT	5. 1074	GASKET, OIL COOLER BYPASS TUBE FLANGE	4. 4178
GASKET, FRESH WATER PUMP BODY COVER	5. 1032	GASKET, OIL COOLER BYPASS VALVE PLUG	4. 4170
GASKET, FUEL FILTER COVER SCREW	2. 3420	GASKET, OIL COOLER CORE-INNER	4. 4030
GASKET, FUEL FILTER COVER SHELL	2. 3400	GASKET, OIL COOLER CORE-OUTER	4. 4040
GASKET, FUEL PUMP TO ENGINE	2. 2007	GASKET, OIL COOLER HOUSING COVER	4. 4061
GASKET, FUEL PUMP VALVE PLUG	2. 2180	GASKET, OIL COOLER WATER INLET CONNECTION	4. 4212
GASKET, FUEL STRAINER COVER	2. 3090	GASKET, OIL COOLER WATER OUTLET ELBOW	4. 4230
GASKET, FUEL STRAINER COVER SCREW	2. 3130	GASKET, OIL COOLER WATER OUTLET FLANGE	4. 4244
GASKET, GENERATOR DRIVE	7. 1508	GASKET, OIL FILLER TUBE	4. 5050
GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER	7. 1525	GASKET, OIL FILLER TUBE ADAPTOR	4. 5007
GASKET, GENERATOR MOUNTING BRACKET	7. 1597	GASKET, OIL FILTER ADAPTOR	4. 2350
GASKET, GOVERNOR CONTROL LINK HOUSING	2. 7894	GASKET, OIL FILTER ADAPTOR TO OIL COOLER ADAPTOR	4. 2293
GASKET, GOVERNOR CONTROL LINK HOUSING COVER	2. 7900	GASKET, OIL FILTER BY-PASS	9. 1799
GASKET, GOVERNOR COVER	2. 7051	GASKET, OIL FILTER BYPASS PLUG	4. 2489
GASKET, GOVERNOR COVER	2. 8045	GASKET, OIL FILTER BYPASS VALVE HOUSING	4. 2389
GASKET, GOVERNOR FUEL ROD SPRING COVER	2. 8086	GASKET, OIL FILTER COVER	4. 2300
GASKET, GOVERNOR HIGH SPEED SPRING COVER	2. 7650	GASKET, OIL FILTER COVER	9. 1785
GASKET, GOVERNOR HOLE COVER	2. 6568	GASKET, OIL FILTER COVER	9. 1788
GASKET, GOVERNOR HOUSING DUMMY HOLE PLUG	2. 8210	GASKET, OIL FILTER COVER NUT	4. 2330
GASKET, GOVERNOR SUB-CAP TO HOUSING	2. 8260	GASKET, OIL FILTER ELEMENT	2. 8987
GASKET, GOVERNOR TO BLOWER	2. 8035	GASKET, OIL FILTER TUBE ADAPTOR REMOTE MOUNTED FILTER	4. 3027
GASKET, GOVERNOR TO BLOWER-GOVERNOR DRIVE	2. 7010	GASKET, OIL PAN COVER	4. 7130
GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING	2. 7700	GASKET, OIL PAN SUMP	4. 7150
GASKET, GOVERNOR WEIGHT HOUSING CAP	2. 7515	GASKET, OIL PAN TO BLOCK	4. 7030
GASKET, HEAT EXCHANGER COVER	5. 5050	GASKET, OIL PRESSURE REGULATOR BODY	4. 1730
GASKET, HEAT EXCHANGER FRESH WATER OUTLET CONNECTION	5. 5300	GASKET, OIL PUMP COVER	4. 1230
GASKET, HEAT EXCHANGER FRESH WATER OUTLET TUBE TO HEAT EXCHANGER	5. 5340	GASKET, OIL PUMP INLET PIPE	4. 1520
GASKET, HEAT EXCHANGER RAW WATER INLET TUBE	5. 5460	GASKET, OIL PUMP OUTLET PIPE	4. 1590
GASKET, HEAT EXCHANGER TANK INLET CONNECTION	5. 3323	GASKET, OIL PUMP PAD COVER	4. 1300
GASKET, HEAT EXCHANGER TANK OUTLET CONNECTION	5. 3325	GASKET, OIL PUMP RELIEF VALVE	4. 1280
		GASKET, OIL PUMP TO CYLINDER BLOCK	4. 1007
		GASKET, OIL STRAINER COVER	9. 1680
		GASKET, OVERSPEED AND LOW OIL PRESSURE VALVE	7. 4592
		GASKET, POWER TAKE-OFF ADAPTOR HOUSING	8. 1901
		GASKET, RADIATOR FILLER NECK	5. 3110
		GASKET, RADIATOR INLET CONNECTION	5. 3280
		GASKET, RADIATOR OUTLET CONNECTION	5. 3320
		GASKET, RADIATOR TANK	5. 3040
		GASKET, RAW WATER PUMP	5. 6350
		GASKET, RAW WATER PUMP ADAPTOR	5. 6012
		GASKET, RAW WATER PUMP COVER	5. 6100

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
G		G	
GASKET, RAW WATER PUMP INLET ELBOW . . .	5. 6574	GEAR, OIL PUMP DRIVE-ON CRANKSHAFT . . .	4. 1310
GASKET, RAW WATER PUMP OUTLET TUBE . . .	5. 6581	GEAR, OIL PUMP DRIVEN	4. 1200
GASKET, REDUCTION GEAR BEARING COVER . .	9. 1370	GEAR, PINION AND REDUCTION MATCHED SET .	9. 1304
GASKET, REDUCTION GEAR COVER PLATE . . .	8. 1926	GEAR, RAW WATER PUMP DRIVE	5. 6320
GASKET, REDUCTION GEAR DIPSTICK	9. 1405	GEAR, REDUCTION GEAR DRIVE	8. 1928
GASKET, REDUCTION GEAR HOUSING	8. 1922	GEAR, REDUCTION GEAR DRIVEN	8. 1930
GASKET, REDUCTION GEAR OIL SUMP	9. 1390	GEAR, REVERSE GEAR FLYWHEEL RING . . .	9. 1205
GASKET, REVERSE GEAR HOUSING	9. 1015	GEAR, REVERSE RING	9. 1040
GASKET, ROCKER COVER	1. 8455	GEAR, REVERSE SUN	9. 1070
GASKET, SELECTOR VALVE HOUSING	9. 1140	GEAR, VERNIER THROTTLE CONTROL WORM .	2. 9141
GASKET, STARTING FLUID STRAINER ASSY. . .	12.6390	GENERATOR ASSY.	7. 1001
GASKET, STARTING MOTOR	7. 3004	GENERATOR ASSY., POWER	7. 5001
GASKET, TACHOMETER DRIVE CABLE		GLAND, HEAT EXCHANGER SEAL RETAINER .	5. 5027
ADAPTOR	7. 4421	GOVERNOR ASSY.	2. 6501
GASKET, TACHOMETER DRIVE COVER		GOVERNOR ASSY.	2. 7001
ADAPTOR	7. 4455	GOVERNOR ASSY.	2. 8030
GASKET, THERMATIC VALVE	4. 2247	GOVERNOR KIT, AIR COMPRESSOR	12.4305
GASKET, THERMOSTAT HOUSING	5. 2110	GOVERNOR, OVERSPEED TRIP	7. 4611
GASKET, THERMOSTAT HOUSING COVER . . .	5. 2130	GRILLE, RADIATOR	5. 3210
GASKET, THERMOSTAT WATER OUTLET		GUARD, FAN	5. 4580
CONNECTION	5. 3281	GUARD, FLANGE MOUNTED ALTERNATOR FAN	7. 1586
GASKET, TURBOCHARGER AIR INLET ELBOW .	3. 5402	GUARD, GENERATOR DRIVE BELT AND PULLEY	7. 1585
GASKET, TURBOCHARGER AIR OUTLET ELBOW	3. 5418	GUIDE ASSY., OVERSPEED VALVE PISTON .	7. 4735
GASKET, TURBOCHARGER EXHAUST INLET		GUIDE, CAM FOLLOWER	1. 8300
CONNECTION	3. 5307	GUIDE, DIPSTICK	4. 6020
GASKET, TURBOCHARGER OIL RETURN COVER	3. 5504	GUIDE, EXHAUST VALVE	1. 8320
GASKET, WATER ELBOW MANIFOLD OUTLET .	5. 2215	GUIDE, EXHAUST VALVE BRIDGE	1. 8345
GASKET, WATER FILTER COVER	5. 7035	GUIDE, GOVERNOR SPRING	2. 7620
GASKET, WATER FLANGE AT GEAR AND/OR		GUIDE, GOVERNOR VARIABLE SPEED SPRING	
RAW WATER PUMP	5. 5378	PLUNGER	2. 7780
GASKET, WATER OUTLET MANIFOLD	5. 2010	GUIDE, REDUCTION GEAR DIPSTICK	9. 1400
GASKET, WATER TEMPERATURE SWITCH . . .	7. 4510		
GAUGE, AIR PRESSURE METRIC	12.6140	H	
GAUGE, COLLECTOR INLET	4. 8220	HANGER, THROTTLE BOOSTER SPRING	2. 9349
GEAR AND SHAFT ASSY., GOVERNOR DRIVE .	2. 8815	HARNESS ASSY., ACTUATOR	2. 6585
GEAR ASSY., HYDRAULIC MARINE	9. 1001	HARNESS ASSY., GLOW PLUG	2. 1707
GEAR ASSY., IDLER	1. 7220	HARNESS ASSY., MAGNETIC PICKUP	2. 6590
GEAR ASSY., PLANETARY	9. 1080	HARNESS ASSY., THERMOSTAT ELEMENT WIRE	12.6440
GEAR REDUCTION	9. 1310	HARNESS, AIR HEATER WIRING	7. 8095
GEAR SET, BLOWER ROTOR	3. 4080	HARNESS, AIR SHUTOFF WIRING	7. 4545
GEAR SET, OIL PUMP	4. 1095	HARNESS, DUAL FUEL/ELECTRONIC	
GEAR, ACCESSORY DRIVE	1. 7670	DISTRIBUTION UNIT	2. 1410
GEAR, ACCESSORY DRIVE SHAFT	1. 7642	HARNESS, E.D.U. TO CYLINDER HEAD WIRING	2. 1750
GEAR, BLOWER DRIVE	1. 7430	HARNESS, ECM - BOAT BUILDER INTERFACE	
GEAR, BLOWER DRIVE STEP-UP	1. 7198	MODULE	2. 1690
GEAR, CAMSHAFT AND BALANCE SHAFT . . .	1. 7200	HARNESS, EDU TO ECM AND DISCONNECT .	2. 1730
GEAR, CRANKSHAFT TIMING	1. 3145	HARNESS, ELECTRONIC DISTRIBUTOR UNIT TO	
GEAR, FLYWHEEL RING	1. 4010	INJECTOR	2. 1700
GEAR, FRESH WATER PUMP DRIVE	5. 1190	HARNESS, ENGINE SENSORS TO DISCONNECT	2. 1720
GEAR, FUEL PUMP DRIVE	2. 2087	HARNESS, ENGINE WIRING	7. 7001
GEAR, FUEL PUMP DRIVE	2. 2290	HARNESS, PARTICULATE TRAP WIRE	6. 2460
GEAR, GENERATOR DRIVE	7. 1532	HARNESS, POWER INTERFACE	2. 1740
GEAR, GENERATOR STEP-UP	1. 7750	HEAD ASSY., CYLINDER	1. 2001
GEAR, GOVERNOR OIL PUMP DRIVE	2. 8720	HEAT EXCHANGER OR KEEL COOLING . . .	5. 5000A
GEAR, GOVERNOR OIL PUMP DRIVEN	2. 8730	HEAT, SHIELD INTERCOOLER HOSE	3. 5431
GEAR, HYDRAULIC PUMP DRIVE	12.5030	HEATER ASSY., AIR	7. 8001
GEAR, HYDRAULIC PUMP DRIVEN	12.5035	HEATER ASSY., PARTICULATE	6. 2320
GEAR, IDLER	1. 7222	HOOD ASSY., RADIATOR	10.1020
GEAR, INJECTOR	2. 1180	HOSE, AIR INLET PIPE	3. 1270
GEAR, OIL PUMP	4. 1092	HOSE, AIR SILENCER OUTLET ELBOW	3. 2023
GEAR, OIL PUMP DRIVE	4. 1090	HOSE, BREATHING EXTENSION	4. 8175
GEAR, OIL PUMP DRIVE (ON PUMP)	4. 1380		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
H		H	
HOSE, CLUTCH RELEASE BEARING	8. 1320	HOSE, WATER BYPASS TUBE	5. 2165
HOSE, COLD PLATE TO CYLINDER HEAD	2. 5105	HOSE, WATER CROSSOVER TUBE	5. 3474
HOSE, COLD PLATE TO FUEL FILTER	2. 5117	HOSE, WATER FILTER INLET	5. 7090
HOSE, DE-AERATION	5. 3283	HOSE, WATER FILTER OUTLET	5. 7100
HOSE, EXHAUST MANIFOLD FRESH WATER INLET	5. 3432	HOSE, WATER PUMP TO OIL COOLER	5. 3401
HOSE, EXHAUST MANIFOLD FRESH WATER OUTLET	5. 3442	HOUSING AND BUSHING ASSY., TACHOMETER DRIVE CABLE ADAPTOR	7. 4428
HOSE, EXPANSION TANK OUTLET	5. 3331	HOUSING ASSY., ACTUATOR DRIVE	2. 6560
HOSE, FILTER TO CYLINDER HEAD	2. 5160	HOUSING ASSY., AIR INLET	3. 3001
HOSE, FUEL DRAIN	2. 5215	HOUSING ASSY., FLYWHEEL	1. 5001
HOSE, FUEL DRAIN CROSSOVER	2. 5206	HOUSING ASSY., FRESH WATER PUMP SHAFT	5. 1055
HOSE, FUEL PUMP INLET	2. 5060	HOUSING ASSY., GOVERNOR	2. 8190
HOSE, FUEL PUMP TO FILTER	2. 5110	HOUSING ASSY., GOVERNOR CONTROL	2. 7230
HOSE, FUEL PUMP TO JUNCTION BLOCK	2. 5144	HOUSING ASSY., GOVERNOR CONTROL LINK	2. 7892
HOSE, FUEL SUPPLY TO STRAINER	2. 5010	HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING	2. 7680
HOSE, FUEL SYSTEM FLEXIBLE (BULK)	12.8550	HOUSING ASSY., OVERSPEED TRIP GOVERNOR	7. 4614
HOSE, HEAT EXCHANGER FRESH WATER INLET	5. 3295	HOUSING ASSY., REVERSE GEAR	9. 1010
HOSE, HEAT EXCHANGER FRESH WATER INLET CONNECTION	5. 5240	HOUSING ASSY., TURBOCHARGER INTERMEDIATE	3. 5018
HOSE, HEAT EXCHANGER OUTLET CONNECTION TO WATER PUMP	5. 3334	HOUSING, ACCESSORY DRIVE	1. 7627
HOSE, HEAT EXCHANGER RAW WATER INLET TUBE	5. 5470	HOUSING, ACTUATOR DRIVE	2. 6561
HOSE, HEAT EXCHANGER WATER OUTLET TUBE	5. 5580	HOUSING, AIR INLET	3. 3003
HOSE, JUNCTION BLOCK TO BOOST COOLER	2. 5183	HOUSING, AIR SHUTOFF CONTROL	7. 4550
HOSE, JUNCTION BLOCK TO FUEL BLOCK ASSY.	2. 5251	HOUSING, BLOWER	3. 4020
HOSE, JUNCTION BLOCK TO STRAINER	2. 5185	HOUSING, CLUTCH	8. 1010
HOSE, MARINE GEAR HYDRAULIC PUMP TO COOLER	4. 4336	HOUSING, CLUTCH BEARING	8. 1013
HOSE, MARINE GEAR HYDRAULIC PUMP TO OIL FILTER	4. 4337	HOUSING, GOVERNOR CONTROL LINK	2. 7896
HOSE, MARINE GEAR OIL COOLER TO SELECTOR VALVE	4. 4343	HOUSING, GOVERNOR DRIVE	2. 8780
HOSE, MARINE GEAR OIL FILTER TO COOLER	4. 4338	HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW	2. 7635
HOSE, MARINE GEAR OR TRANSMISSION OIL INLET	4. 4335	HOUSING, GOVERNOR VARIABLE SPEED SPRING	2. 7690
HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET	4. 4330	HOUSING, HYDRAULIC PUMP DRIVE	12.5025
HOSE, MARINE GEAR TO OIL PRESSURE PUMP	4. 4355	HOUSING, INTERCOOLER TO AIR INLET HOUSING	3. 5421
HOSE, OIL COOLER OUTLET OIL	4. 4195	HOUSING, OIL COOLER BYPASS VALVE	4. 4130
HOSE, OIL COOLER WATER INLET	4. 4213	HOUSING, OIL COOLER-ENGINE	4. 4050
HOSE, OIL COOLER WATER OUTLET	4. 4240	HOUSING, OIL FILTER BYPASS VALVE	4. 2388
HOSE, OIL COOLER WATER OUTLET	5. 3422	HOUSING, OVERSPEED TRIP GOVERNOR SWITCH	7. 4677
HOSE, OIL COOLER WATER OUTLET TUBE	4. 4280	HOUSING, OVERSPEED VALVE	7. 4727
HOSE, OIL DRAIN	4. 8187	HOUSING, POWER TAKE-OFF ADAPTOR	8. 1900
HOSE, OIL FILTER	8. 1990	HOUSING, RAW WATER PUMP BEARING	5. 6133
HOSE, RADIATOR INLET	5. 3290	HOUSING, RAW WATER PUMP DRIVE	5. 6010
HOSE, RADIATOR OUTLET	5. 3330	HOUSING, RAW WATER PUMP IMPELLER	5. 6020
HOSE, REDUCER	5. 2299	HOUSING, REDUCTION GEAR	8. 1920
HOSE, THERMOSTAT HOUSING COVER OUTLET ELBOW	5. 2124	HOUSING, THERMOSTAT	5. 2090
HOSE, THERMOSTAT HOUSING WATER OUTLET	5. 2105	HOUSING, TURBOCHARGER COMPRESSOR	3. 5022
HOSE, TURBO TO AIR SILENCER	3. 2017	HOUSING, TURBOCHARGER TURBINE	3. 5003
HOSE, TURBOCHARGER AIR INLET CONNECTION	3. 5424	HOUSING, VERNIER THROTTLE CONTROL	2. 9136
HOSE, TURBOCHARGER AIR OUTLET CONNECTION	3. 5420	HUB, ACCESSORY DRIVE GEAR	1. 7643
HOSE, TURBOCHARGER WATER INLET	5. 3273	HUB, AIR COMPRESSOR	12.4040
		HUB, BLOWER DRIVE GEAR	1. 7440
		HUB, CRANKSHAFT PULLEY	1. 3310
		HUB, DRIVE PULLEY	1. 7610
		HUB, FAN	5. 4235
		HUB, FLANGE MOUNTED ALTERNATOR DRIVE	7. 1511
		HUB, FLYWHEEL FLEXIBLE COUPLING	1. 4080
		HUB, GENERATOR DRIVE PULLEY	7. 1510
		HUB, HYDRAULIC PUMP DRIVE	9. 1540
		HUB, IDLER GEAR	1. 7250

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
H		L	
HUB, VIBRATION DAMPER	1. 3230	LEVER AND PIN ASSY., GOVERNOR	
HYDRAULIC GOVERNOR	2. 8000A	DIFFERENTIAL	2. 7310
HYDRAULIC MARINE GEAR	9. 1000A	LEVER ASSY., ACTUATOR	2. 6515
HYDRAULIC PUMP	12.5000A	LEVER ASSY., AIR INLET HOUSING SHUTDOWN	
		RESET	3. 3110
I		LEVER ASSY., FUEL MODULATING CONTROL	
IMPELLER, FRESH WATER PUMP	5. 1110	TUBE	2. 9084
IMPELLER, RAW WATER PUMP	5. 6230	LEVER ASSY., GOVERNOR CONTROL LINK	
INJECTOR ASSY.	2. 1001	HOUSING OPERATING	2. 7902
INJECTOR CONTROLS	2. 9000	LEVER ASSY., GOVERNOR CONTROL LINK	
INJECTOR, CONTROLS ELECTRONIC	2. 1000B	OPERATING	2. 7317
INSERT, AIR BOX	3. 5450	LEVER CONTROL, GEAR AND THROTTLE	7. 7430
INSERT, CYLINDER LINER	1. 6187	LEVER, ACTUATOR CONTROL LINK OPERATING	2. 6600
INSERT, EXHAUST VALVE	1. 8330	LEVER, ACTUATOR DRIVE HOUSING SHAFT	2. 6566
INSRET, CYLINDER LINER	1. 1038	LEVER, AIR INLET HOUSING BY-PASS BLOWER	
INSTALLATION KIT, CAST ROCKER COVER	1. 8451	SHAFT	3. 3057
INSTRUMENTS	7. 4000A	LEVER, AIR INLET HOUSING SHUTDOWN	
INSULATION BLANKET, TURBOCHARGER	3. 5535	VALVE	3. 3090
INSULATOR ASSY., CRANKSHAFT PULLEY HUB	1. 3311	LEVER, CLUTCH HAND CONTROL	8. 1470
INSULATOR ASSY., ENGINE-REAR	1. 5108	LEVER, CLUTCH RELEASE YOKE	8. 1142
INSULATOR, TIME DELAY RELAY MOUNTING	7. 4713	LEVER, GOVERNOR CONTROL	2. 9410
INTERCOOLER, TURBOCHARGER	3. 5425	LEVER, GOVERNOR CONTROL SHAFT	2. 9390
INVERTER	7. 7670	LEVER, GOVERNOR CONTROL SHAFT-REAR OF	
ISOLATOR, ROCKER COVER BOLT	1. 8461	ENGINE	2. 9361
		LEVER, GOVERNOR COVER SHUTDOWN SHAFT	2. 7165
J		LEVER, GOVERNOR COVER THROTTLE SHAFT	2. 7170
JACOBS BRAKE CYLINDER	1. 8070	LEVER, GOVERNOR OPERATING SHAFT	2. 8975
JUNCTION BLOCK, OIL COOLER	4. 4328	LEVER, GOVERNOR OPERATING SHAFT-UPPER	2. 7280
		LEVER, GOVERNOR SPEED ADJUSTING	2. 8420
K		LEVER, GOVERNOR SPEED ADJUSTING	
KIT, AIR BOX DRAIN	1. 1115	FLOATING	2. 8410
KIT, COLLECTOR	4. 8270	LEVER, GOVERNOR SPEED ADJUSTING	
KIT, COOLANT LEVEL SENSOR DDEC	2. 1670	TERMINAL	2. 8450
KIT, DUAL FUEL	2. 1400	LEVER, GOVERNOR VARIABLE SPEED SPRING	2. 7730
KIT, EEC PTO MATING CONNECTOR	2. 6644	LEVER, INJECTOR CONTROL TUBE	2. 9009
KIT, ELECTRONIC INJECTOR CONTROL	2. 1760	LEVER, INJECTOR CONTROL TUBE RACK	2. 9014
KIT, FUEL MODULATOR	2. 9088	LEVER, INJECTOR CONTROL TUBE-LOAD LIMIT	
KIT, GOVERNOR BUFFER AND HARNESS		ADJUSTING	2. 9017
SWITCH	7. 7022	LEVER, SELECTOR VALVE OPERATING	9. 1175
KIT, GOVERNOR INSTALLATION	2. 6507	LEVER, TRANSMISSION ACCELERATOR	
KIT, HOUSING AND ATTACHING PARTS		CONTROL MT	2. 9910
(JACOBS BRAKE)	1. 8072	LIMITER ASSY., COLLECTOR VACCUM	4. 8240
KIT, JACOBS BRAKE FIELD RETROFIT	1. 8073	LINER, CYLINDER	1. 6180
KIT, PARTICULATE TRAP	6. 2300	LINK, CLUTCH RELEASE YOKE	8. 1315
KIT, SPARE PARTS (TWIN DISC)	9. 1023	LINK, GOVERNOR OPERATING LEVER	
KIT, TAPER BEARING	9. 1303	CONNECTING	2. 7312
KIT, TIME DELAY RELAY	7. 4705	LINK, GOVERNOR OPERATING LEVER TO BELL	
KIT, VARIABLE HIGH SPEED CONTROL, LIMIT		CRANK	2. 8970
SPEED GOVERNOR	2. 7685	LINK, INJECTOR CONTROL TUBE TO	
KITS, SERVICE (ALL)	12.8715	GOVERNOR	2. 9022
KNOB, THROTTLE CONTROL	2. 9100	LINK, THROTTLE CONTROL EQUALIZING	2. 9430
KNOB, VERNIER THROTTLE CONTROL	2. 9135	LOCK, CLUTCH ADJUSTING NUT	8. 1145
		LOCK, CLUTCH DRIVE SHAFT BEARING	
L		RETAINER	8. 1700
LAMP, INSTRUMENT PANEL	7. 4100	LOCK, EXHAUST VALVE SPRING	1. 8370
LCD DISPLAY ASSEMBLY	7. 7701	LOCKNUT, GOVERNOR HIGH SPEED SPRING	
		RETAINER	2. 7615
		LOCKRING, ACCESSORY DRIVE	1. 7650
		LOCKRING, GENERATOR DRIVE BEARING	7. 1545
		LUBRICANT, FLEXIBLE SHAFT CABLE	12.8516
		LUBRICATING COMPOUND THREAD	12.8110

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
M		O	
MANIFOLD KIT, AIR COMPRESSOR GOVERNOR	12.4307	OIL, FILLER	4. 5000A
MANIFOLD, EXHAUST	6. 1001	OIL, PRESSURE REGULATOR	4. 1000C
MANIFOLD, HEAT EXCHANGER WATER		OVERHAUL KIT, FUEL PUMP	2. 2004
BETWEEN OUTLET ELBOWS	5. 2126		
MANIFOLD, WATER OUTLET	5. 2001	P	
MECHANICAL GOVERNOR	2. 7000A	PACKING, GOVERNOR VARIABLE SPEED	
MEDALLION, INSTRUMENT PANEL	7. 4099	SPRING LEVER SHAFT	2. 7750
MEMBER, RADIATOR SIDE	5. 3220	PAINT, ENGINE TOUCH-UP	12.8001
MISCELLANEOUS SERVICE PARTS	12.8000D	PAN, OIL	4. 7001
MISCELLANEOUS SERVICE PARTS - SECTION 1	12.8801	PAN, OIL-LOWER	4. 7020
MISCELLANEOUS SERVICE PARTS - SECTION		PAN, OIL-UPPER	4. 7010
12	12.8812	PANEL, CONTROL	7. 7470
MISCELLANEOUS SERVICE PARTS - SECTION 2	12.8802	PANEL, INSTRUMENT	7. 4005
MISCELLANEOUS SERVICE PARTS - SECTION 4	12.8804	PICKUP ASSY., MAGNETIC	2. 6595
MISCELLANEOUS SERVICE PARTS - SECTION 5	12.8805	PIN, BUSHING GUIDE	2. 1165
MISCELLANEOUS SERVICE PARTS - SECTION 7	12.8807	PIN, FORWARD CLUTCH	9. 1215
MISCELLANEOUS SERVICE PARTS-SECTION 3	12.8803	PIN, GOVERNOR CONTROL WIRE SWIVEL	2. 9426
MODULE ASSY., ELECTRONIC CONTROL (ECM)	2. 1501	PIN, GOVERNOR DIFFERENTIAL LEVER	2. 7315
MODULE, BOAT BUILDER INTERFACE	2. 1512	PIN, GOVERNOR OPERATING SHAFT LEVER	2. 7300
MODULE, COMPUTER AND MEMORY	7. 7650	PIN, GOVERNOR WEIGHT	2. 7430
MODULE, CONTROL STATION INTERFACE	7. 7450	PIN, INJECTOR AND EXHAUST VALVE ROCKER	
MODULE, DUAL DDEC INTERFACE	7. 7630	ARM CLEVIS	1. 8150
MODULE, ELECTRONIC DISTRIBUTOR		PIN, INJECTOR STOP	2. 1100
DISTRIBUTION UNIT	2. 1420	PIN, PISTON	1. 6140
MODULE, ELECTRONIC DISTRIBUTOR UNIT		PIN, REVERSE GEAR HOUSING CLUTCH DRIVE	9. 1025
(EDU)	2. 1510	PIN, VALVE AND INJECTOR CAM ROLLER	1. 8112
MODULE, ENGINE ROOM INTERFACE	7. 7440	PIN, VERNIER THROTTLE CONTROL LOCK	
MODULE, LCD	7. 7703	BUTTON	2. 9146
MODULE, OCTAL SENSOR MULTIPLEX	7. 7640	PINION, CLUTCH ADJUSTING RING	8. 1147
MODULE, PERIPHERAL INTERFACE	7. 7620	PINION, PLANETARY GEAR	9. 1082
MODULES, PARTICULATE TRAP	6. 2380	PINION, REDUCTION GEAR	9. 1305
MOTOR ASSY., STARTING	7. 3001	PIPE ASSY., BREATHER	4. 8001
MOUNTING ASSY., VOLTAGE REGULATOR	7. 1612	PIPE, AIR CLEANER TO INLET HOUSING	3. 1260
MOUNTING, ENGINE FRONT SUPPORT ELASTIC	11.1072	PIPE, BREATHER EXTENSION	4. 8170
MOUNTING, ENGINE REAR SUPPORT ELASTIC	11.1120	PIPE, EXHAUST	6. 2090
MOUNTING, INSTRUMENT PANEL	7. 4010	PIPE, FUEL	2. 4020
MOUNTING, TACHOMETER	7. 4064	PIPE, OIL PUMP INLET	4. 1510
MUFFLER ASSY., EXHAUST	6. 2001	PIPE, OIL PUMP OUTLET	4. 1580
		PIPE, RADIATOR OVERFLOW	5. 3160
N		PISTON ASSY.	1. 6110
NAME PLATE, GOVERNOR	2. 7002	PISTON, FAST IDLE AIR CYLINDER	2. 7860
NAME PLATE, RADIATOR	5. 3268	PISTON, FAST IDLE AIR CYLINDER	7. 7013
NECK ASSY., RADIATOR FILLER	5. 3100	PISTON, FORWARD CLUTCH	9. 1225
NECK, EXPANSION TANK FILLER	5. 5120	PISTON, GOVERNOR SERVO-MOTOR	2. 8510
NIPPLE, HEAT EXCHANGER RAW WATER INLET		PISTON, GOVERNOR SPEED ADJUSTING	2. 7612
SHORT	5. 5490	PISTON, GOVERNOR SPEED CONTROL	2. 7736
NOZZLE, REDUCTION GEAR OIL	9. 1360	PISTON, INJECTOR CONTROL AIR CYLINDER	2. 9094
NOZZLE, STARTING AID PUMP TUBE	12.6375	PISTON, OVERSPEED VALVE	7. 4731
NUT, CLUTCH ADJUSTING	8. 1144	PISTON, REVERSE CLUTCH	9. 1030
NUT, INJECTOR VALVE	2. 1030	PLATE ASSY., ACCESSORY DRIVE	1. 7630
NUT, PROPELLER DRIVE FLANGE	9. 1435	PLATE ASSY., ELECTRONIC DISTRIBUTOR UNIT	
		COLD	2. 1520
O		PLATE, AIR COMPRESSOR DRIVE	12.4037
OIL COOLER AND MARINE GEAR LINES	4. 4000A	PLATE, AIR INLET HOUSING SHUTDOWN	
OIL DISTRIBUTION SYSTEM	4. 1000B	CONTROL	3. 3260
OIL FILTER	4. 2000A	PLATE, AIR INLET HOUSING STRIKER	3. 3020
OIL FILTER LINES	4. 3000A	PLATE, BLOWER DRIVE GEAR HUB	1. 7441
OIL PAN	4. 7000A	PLATE, BLOWER DRIVE GEAR THRUST	1. 7432
OIL PUMP	4. 1000A	PLATE, BLOWER HOUSING END	3. 4140
		PLATE, CLUTCH ADJUSTING NUT WEAR	8. 1146
		PLATE, CLUTCH PRESSURE	8. 1080

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
P		P	
PLATE, CYLINDER BLOCK END-FRONT	1. 1010	PULLEY, CRANKSHAFT	1. 3280
PLATE, CYLINDER BLOCK END-REAR	1. 1020	PULLEY, CRANKSHAFT FRONT POWER TAKE-OFF	8. 1908
PLATE, EXHAUST MANIFOLD COVER	6. 1100	PULLEY, FRONT BALANCE	1. 7130
PLATE, FLYWHEEL FLEXIBLE COUPLING	1. 4085	PULLEY, GENERATOR	7. 1500
PLATE, FORWARD CLUTCH	9. 1235	PULLEY, GENERATOR DRIVE	7. 1505
PLATE, FORWARD CLUTCH REACTION	9. 1245	PUMP ASSY., FRESH WATER	5. 1001
PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING	7. 1550	PUMP ASSY., FUEL	2. 2001
PLATE, HYDRAULIC PUMP DRIVE	12.5015	PUMP ASSY., HYDRAULIC	12.5001
PLATE, HYDRAULIC PUMP MOUNTING	12.5003	PUMP ASSY., HYDRAULIC MARINE GEAR OIL	9. 1475
PLATE, INJECTOR CONTROL TUBE LEVER-LOAD LIMIT ADJUSTING	2. 9019	PUMP ASSY., OIL	4. 1001
PLATE, OPTION AND ACCESSORY NAME	1. 8500	PUMP ASSY., RAW WATER	5. 6001
PLATE, RAW WATER PUMP DRIVE	5. 6410	PUNCTURING TOOL ASSY., STARTING FLUID CAPSULE	12.6380
PLATE, REVERSE CLUTCH DISC	9. 1045		
PLATE, REVERSE CLUTCH REACTION	9. 1060	R	
PLATE, ROCKER COVER BREATHER HOLE	1. 8480	RACK ASSY., INJECTOR	2. 1170
PLATE, THROTTLE CONTROL INDICATOR	2. 9170	RADIATOR	5. 3000A
PLATE, TIME DELAY RELAY MOUNTING	7. 4711	RADIATOR ASSY.	5. 3001
PLATE, WATER FILTER LOWER	5. 7045	RAW WATER PUMP	5. 6000A
PLATE, WATER FILTER UPPER	5. 7043	RECONDITIONING KIT, FRESH WATER PUMP	5. 1002
PLATE, WATER PUMP ORIFICE	5. 2168	RECONDITIONING KIT, RAW WATER PUMP	5. 6025
PLUG ASSY., GLOW	12.6303	RECONDITIONING KIT, VIBRATION DAMPER	1. 3146
PLUG, BLOWER ROTOR SHAFT	3. 4037	REGULATOR, OIL PRESSURE	4. 1670
PLUG, BREATHER HOLE	4. 8043	REGULATOR, VOLTAGE	7. 1605
PLUG, FUEL FILTER COVER	2. 3480	REGULATOR, VOLTAGE	7. 5901
PLUG, FUEL PUMP VALVE	2. 2170	REGULATOR, VOLTAGE POWER GENERATOR	7. 5000B
PLUG, FUEL STRAINER COVER	2. 3100	RELAY ASSY., STARTING MOTOR TIME DELAY	7. 3737
PLUG, GOVERNOR HOUSING DUMMY HOLE	2. 8200	RELAY BOX ASSEMBLY	2. 1405
PLUG, GOVERNOR RELIEF VALVE	2. 8685	RELAY, AUTOMATIC STARTING	7. 2330
PLUG, GOVERNOR SPEED ADJUSTING TERMINAL SLEEVE	2. 8485	RELAY, PARTICULATE TRAP	6. 2480
PLUG, GOVERNOR SUB-CAP	2. 8165	RELIEF, VALVE OIL PRESSURE	4. 1671
PLUG, OIL COOLER BYPASS VALVE	4. 4160	REPAIR KIT, PLANETARY GEAR	9. 1086
PLUG, OIL FILTER BY-PASS	9. 1798	REPLACEMENT KIT, FRESH WATER PUMP SEAL SEAT	5. 1115
PLUG, OIL FILTER BYPASS VALVE	4. 2488	REPLACEMENT KIT, RAW WATER PUMP SEAL AND IMPELLER	5. 6220
PLUG, OIL PAN DRAIN	4. 7080	RESERVOIR ASSY., GOVERNOR OIL	2. 6622
PLUG, OIL PUMP RELIEF VALVE	4. 1270	RESERVOIR ASSY., GOVERNOR OIL	2. 8905
PLUG, TACHOMETER DRIVE ADAPTOR BEARING	7. 4432	RESISTOR, TIME DELAY RELAY	7. 4709
PLUNGER AND BUSHING ASSY., INJECTOR	2. 1160	RETAINER ASSY., ACCESSORY DRIVE	1. 7645
PLUNGER ASSY., GOVERNOR PILOT VALVE	2. 8600	RETAINER, ACCESSORY DRIVE BEARING	1. 7656
PLUNGER, FAST IDLE AIR CYLINDER	2. 7865	RETAINER, BLOWER DRIVE COUPLING	3. 4420
PLUNGER, GOVERNOR HIGH SPEED SPRING	2. 7563	RETAINER, BLOWER ROTOR FRONT BEARING	3. 4050
PLUNGER, GOVERNOR LOW SPEED SPRING	2. 7560	RETAINER, BLOWER ROTOR REAR BEARING	3. 4070
PLUNGER, GOVERNOR RELIEF VALVE	2. 8650	RETAINER, CAM AND BALANCE SHAFT GEAR NUT	1. 7207
PLUNGER, GOVERNOR VARIABLE SPEED SPRING	2. 7770	RETAINER, CAM OR BALANCE GEAR	1. 7633
PLUNGER, OVERSPEED TRIP GOVERNOR PILOT VALVE	7. 4620	RETAINER, CLUTCH DRIVE SHAFT BEARING	8. 1690
POPPET, SELECTOR VALVE	9. 1145	RETAINER, CLUTCH PILOT BEARING	1. 4045
POWER GENERATOR	7. 5000A	RETAINER, CRANKSHAFT PULLEY	1. 3290
POWER TAKEOFF AND/OR CLUTCH	8. 1000A	RETAINER, DRIVE PULLEY HUB OIL SEAL	1. 7615
POWER TAKEOFF ASSY.	8. 1001	RETAINER, FAN SHAFT BEARING	5. 4140
PRE-CLEANER ASSY., AIR	3. 1100	RETAINER, FRESH WATER PUMP BEARING AND SEAL	5. 1071
PRIMER PUMP, FUEL	2. 5490	RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL	7. 1520
PROM AND CARRIER ASSY., ELECTRONIC CONTROL	2. 1505	RETAINER, GOVERNOR FUEL ROD SPRING	2. 8140
PULLEY AND HUB ASSY., FAN	5. 4015	RETAINER, GOVERNOR HIGH SPEED SPRING	2. 7610
PULLEY, ACCESSORY DRIVE	1. 7605	RETAINER, GOVERNOR LOW SPEED SPRING PLUNGER SHAFT	2. 7561
PULLEY, AIR COMPRESSOR	12.4015		
PULLEY, AIR COMPRESSOR DRIVE	12.4017		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
R		S	
RETAINER, GOVERNOR PACKING SHUTDOWN SHAFT	2. 7155	SCREEN, AIR CLEANER	3. 1040
RETAINER, GOVERNOR PACKING THROTTLE SHAFT	2. 7150	SCREEN, BLOWER	3. 4025
RETAINER, GOVERNOR VARIABLE SPEED SPRING	2. 7790	SCREEN, OIL PUMP INLET	4. 1530
RETAINER, HEAT EXCHANGER SEAL	5. 5025	SCREW ASSY., GOVERNOR BUFFER	2. 7810
RETAINER, IDLER GEAR BEARING	1. 7227	SCREW, FAN BRACKET ADJUSTING	5. 4290
RETAINER, INJECTOR GEAR	2. 1190	SCREW, FUEL FILTER COVER	2. 3410
RETAINER, OIL FILTER SPRING	4. 2315	SCREW, FUEL STRAINER COVER	2. 3120
RETAINER, OIL FILTER SPRING	9. 1787	SCREW, GOVERNOR HI-SPEED STOP	2. 8520
RETAINER, OIL PUMP INLET PIPE SCREEN	4. 1560	SCREW, GOVERNOR HIGH SPEED CONTROL	2. 7655
RETAINER, PILOT BEARING	9. 1211	SCREW, GOVERNOR LOAD LIMIT	2. 8180
RETAINER, PISTON PIN	1. 6150	SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING	2. 7590
RETAINER, PUSH ROD	1. 8250	SCREW, HYDRAULIC PUMP VALVE	9. 1530
RETAINER, ROCKER COVER NAME PLATE	1. 8502	SCREW, INJECTOR CONTROL TUBE LEVER PLATE-LOAD LIMIT ADJUSTING	2. 9021
RETAINER, TACHOMETER	7. 4063	SCREW, SELECTOR VALVE LOCATING	9. 1165
RING SET, PISTON	1. 6115	SEAL RING, CRANKSHAFT REAR SUPPORT	1. 5022
RING, AIR COMPRESSOR DRIVE COUPLING	12. 4055	SEAL RING, GOVERNOR VARIABLE SPEED SPRING HOUSING	2. 7694
RING, BLOWER DRIVE SHAFT	3. 4446	SEAL, ACCESSORY DRIVE OIL	1. 7660
RING, CAMSHAFT AND ACCESSORY SHAFT INTERMEDIATE BEARING LOCK	1. 7050	SEAL, AIR COMPRESSOR DRIVE	12. 4051
RING, CLUTCH DRIVING	8. 1018	SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT	3. 3055
RING, CLUTCH REACTION PLATE SNAP	9. 1065	SEAL, BLOWER DRIVE COVER	3. 4220
RING, CROSSHEAD PISTON SEAL	1. 6106	SEAL, BLOWER HOUSING END PLATE	3. 4160
RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION	11. 1094	SEAL, BLOWER VALVE (BYPASS)	3. 4145
RING, FRESH WATER PUMP BODY IMPELLER DEFLECTOR	5. 1120	SEAL, BREATHER ELBOW	4. 8017
RING, GOVERNOR OIL PUMP HOUSING SEAL	2. 8700	SEAL, CAMSHAFT OIL	1. 7060
RING, INJECTOR HOLE TUBE SEAL	1. 2046	SEAL, CLUTCH DRIVE SHAFT BEARING GREASE	8. 1686
RING, INJECTOR SEAL	2. 1040	SEAL, CLUTCH PILOT BEARING	1. 4042
RING, OVERSPEED TRIP GOVERNOR OPERATING SHAFT BEARING RETAINING	7. 4650	SEAL, CRANKSHAFT OIL-FRONT	1. 3040
RING, PISTON COMPRESSION	1. 6120	SEAL, CRANKSHAFT OIL-FRONT	1. 3166
RING, PISTON OIL CONTROL	1. 6130	SEAL, CRANKSHAFT OIL-FRONT	4. 1004
RING, PLANETARY GEAR SNAP	9. 1095	SEAL, CRANKSHAFT OIL-REAR	1. 3060
RING, RAW WATER PUMP BEARING RETAINER	5. 6140	SEAL, CRANKSHAFT OIL-REAR	1. 5004
RING, RAW WATER PUMP IMPELLER SEAL CLAMP	5. 6270	SEAL, CYLINDER LINER	1. 6190
RING, RAW WATER PUMP SHAFT SEAL	5. 6176	SEAL, DRIVE PULLEY HUB OIL	1. 7620
RING, RAW WATER PUMP SHAFT SEAL FRICTION	5. 6175	SEAL, FAN SHAFT	5. 4150
RING, REDUCTION GEAR DRIVE SHAFT OIL SEAL	9. 1330	SEAL, FLANGE MOUNTED ALTERNATOR DRIVE HUB	7. 1516
RING, REDUCTION GEAR SHAFT PILOT	8. 1941	SEAL, FLYWHEEL OIL	9. 1207
RING, REVERSE CLUTCH DISC PLATE SNAP	9. 1050	SEAL, FORWARD CLUTCH PISTON	9. 1230
RISER, GOVERNOR	2. 7380	SEAL, FRESH WATER PUMP	5. 1130
ROCKER COVER	1. 8000A	SEAL, FRESH WATER PUMP SHAFT BEARING	5. 1065
ROD ASSY., ACTUATOR CONTROL	2. 6520	SEAL, FUEL PUMP OIL	2. 2070
ROD, AIR INLET HOUSING SHUTDOWN VALVE CROSSOVER	3. 3095	SEAL, GENERATOR DRIVE OIL	7. 1515
ROD, AIR SHUTOFF SOLENOID CONTROL	7. 4538	SEAL, GOVERNOR	2. 7945
ROD, GOVERNOR CONNECTING	2. 7905	SEAL, GOVERNOR SPEED ADJUSTING SHAFT OIL	2. 8350
ROD, GOVERNOR FUEL	2. 8070	SEAL, GOVERNOR SPEED ADJUSTING TERMINAL SHAFT OIL	2. 8472
ROD, PUSH	1. 8180	SEAL, GOVERNOR SPEED CONTROL PISTON	2. 7737
ROD, THROTTLE CONTROL BELL CRANK TO GOVERNOR	2. 9730	SEAL, HEAT EXCHANGER	5. 5026
ROD, THROTTLE CONTROL LEVER TO BELL CRANK	2. 9720	SEAL, HYDRAULIC PUMP OIL	9. 1505
ROLLER SET, CAM FOLLOWER	1. 8265	SEAL, OVERSPEED TRIP GOVERNOR MOUNTING OIL	7. 4644
ROTOR, BLOWER IMPELLER	3. 4030	SEAL, POWER TAKE-OFF ADAPTOR HOUSING OIL	8. 1902
		SEAL, RAW WATER PUMP BEARING	5. 6160
		SEAL, RAW WATER PUMP IMPELLER	5. 6240
		SEAL, RAW WATER PUMP SHAFT	5. 6170
		SEAL, REDUCTION GEAR BEARING OIL COVER	9. 1375

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
S		S	
SEAL, REDUCTION GEAR SHAFT OIL	8. 1950	SHAFT, GOVERNOR DRIVE	2. 8820
SEAL, REVERSE CLUTCH PISTON	9. 1035	SHAFT, GOVERNOR DRIVEN	2. 8795
SEAL, REVERSE GEAR DRIVE SHAFT BEARING HOUSING OIL	9. 1130	SHAFT, GOVERNOR LOW SPEED SPRING PLUNGER	2. 7557
SEAL, REVERSE GEAR HOUSING ADAPTOR OIL	9. 1012	SHAFT, GOVERNOR OPERATING	2. 7255
SEAL, ROTOR ASSY. SHAFT OIL	3. 5028	SHAFT, GOVERNOR SPEED ADJUSTING	2. 8280
SEAL, SELECTOR VALVE OIL	9. 1160	SHAFT, GOVERNOR SPEED ADJUSTING TERMINAL	2. 8470
SEAL, TACHOMETER DRIVE COVER	7. 4450	SHAFT, GOVERNOR VARIABLE SPEED SPRING LEVER	2. 7720
SEAL, TACHOMETER DRIVE COVER ADAPTOR	7. 4458	SHAFT, GOVERNOR WEIGHT CARRIER	2. 7360
SEAL, THERMOSTAT	5. 2060	SHAFT, HYDRAULIC PUMP	9. 1510
SEAL, WATER OUTLET MANIFOLD	5. 2043	SHAFT, HYDRAULIC PUMP DRIVE	12.5027
SEALANT, RTV	12.8255	SHAFT, INJECTOR CONTROL TUBE END	2. 9007
SEAT, BLOWER DRIVE COUPLING SPRING	3. 4410	SHAFT, OIL PUMP DRIVE	4. 1070
SEAT, EXHAUST VALVE SPRING	1. 8360	SHAFT, OIL PUMP DRIVEN GEAR	4. 1080
SEAT, FUEL FILTER ELEMENT	2. 3322	SHAFT, OVERSPEED AND LOW OIL PRESSURE VALVE DRIVE FLEXIBLE	7. 4606
SEAT, GOVERNOR LOW SPEED SPRING	2. 7570	SHAFT, OVERSPEED TRIP GOVERNOR OPERATING	7. 4646
SEAT, INJECTOR VALVE SPRING	2. 1255	SHAFT, PLANETARY GEAR PINION	9. 1084
SEAT, OIL PRESSURE REGULATOR	4. 1701	SHAFT, POWER TAKE-OFF ADAPTOR STUB	8. 1904
SEAT, PUSH ROD SPRING-LOWER	1. 8210	SHAFT, RAW WATER PUMP	5. 6120
SEAT, PUSH ROD SPRING-UPPER	1. 8200	SHAFT, REDUCTION GEAR	8. 1935
SEAT, RAW WATER PUMP SHAFT SEAL	5. 6173	SHAFT, REDUCTION GEAR DRIVE	9. 1340
SENSOR, MAG IDLER	2. 1610	SHAFT, REDUCTION GEAR PINION DRIVE	9. 1300
SENSOR, AIR PRESSURE	2. 1650	SHAFT, TACHOMETER DRIVE	7. 4435
SENSOR, COOLANT LEVEL	2. 1665	SHAFT, THROTTLE CONTROL CROSS	2. 9310
SENSOR, COOLANT LEVEL	7. 4502	SHAFT, THROTTLE CONTROL KNOB	2. 9106
SENSOR, MAG. CRANKSHAFT	2. 1620	SHAFT, THROTTLE CONTROL-REAR OF ENGINE TO GOVERNOR	2. 9360
SENSOR, OIL OR FUEL PRESSURE	2. 1600	SHAFT, VERNIER THROTTLE CONTROL	2. 9140
SENSOR, OIL, FUEL OR COOLANT TEMPERATURE	2. 1630	SHELL ASSY., OIL COOLER TUBE TYPE	4. 4003
SENSOR, PARTICULATE TRAP	6. 2490	SHELL ASSY., RADIATOR	5. 3015
SENSOR, PRESSURE	7. 7425	SHELL, BREATHER	4. 8055
SENSOR, PROPELLER SPEED	7. 7424	SHELL, CONNECTING ROD BEARING	1. 6100
SENSOR, TRS AND SRS	2. 1640	SHELL, CRANKSHAFT MAIN BEARING	1. 3090
SERVICE KIT, INJECTOR	2. 1002	SHELL, FUEL FILTER	2. 3380
SERVICE KITS AND SETS	12.8000C	SHELL, FUEL STRAINER	2. 3050
SETS, SERVICE (ALL)	12.8720	SHELL, OIL FILTER	4. 2280
SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT	2. 7350	SHELL, OIL FILTER	9. 1781
SHAFT ASSY., ACTUATOR DRIVE HOUSING	2. 6564	SHELL, OIL STRAINER	9. 1670
SHAFT ASSY., CONTROL LINK OPERATING	2. 8811	SHIELD ASSY., ELECTRONIC DISTRIBUTOR UNIT HEAT	2. 1525
SHAFT ASSY., FRESH WATER PUMP	5. 1050	SHIELD, FLEXIBLE HOSE HEAT	2. 5253
SHAFT ASSY., GOVERNOR DRIVEN	2. 8790	SHIELD, GENERATOR	7. 1005
SHAFT ASSY., GOVERNOR OPERATING	2. 7250	SHIELDING, FLEXIBLE HOSE	2. 5255
SHAFT ASSY., GOVERNOR SHUTDOWN	2. 7115	SHIM, BLOWER ROTOR GEAR	3. 4090
SHAFT ASSY., GOVERNOR THROTTLE	2. 7095	SHIM, CLUTCH COVER PLATE	8. 1260
SHAFT ASSY., ROCKER	1. 8160	SHIM, ENGINE HOOD SHORT	10.1005
SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE	7. 4405	SHIM, GOVERNOR HIGH SPEED SPRING	2. 7600
SHAFT ASSY., TURBOCHARGER ROTOR	3. 5033	SHIM, GOVERNOR VARIABLE SPEED SPRING	2. 7800
SHAFT, ACCESSORY DRIVE	1. 7640	SHIM, OIL PUMP	4. 1030
SHAFT, AIR COMPRESSOR DRIVE	12.4047	SHROUD, FAN	5. 3215
SHAFT, AIR INLET HOUSING BY-PASS BLOWER BUTTERFLY VALVE	3. 3053	SHROUD, FAN	5. 4560
SHAFT, AIR INLET HOUSING SHUTDOWN VALVE	3. 3050	SHUTOFF, ALARM SYSTEM AND O.S GOVERNOR	7. 4000C
SHAFT, BLOWER DRIVE	3. 4445	SILENCER, AIR	3. 2001
SHAFT, BLOWER IMPELLER	3. 4035	SLEEVE, CLUTCH RELEASE	8. 1285
SHAFT, BLOWER ROTOR	3. 4035	SLEEVE, CRANKSHAFT REAR OIL SEAL	1. 3066
SHAFT, CLUTCH DRIVE	8. 1670	SLEEVE, CRANKSHAFT REAR OIL SEAL	1. 5012
SHAFT, CLUTCH RELEASE	8. 1270	SLEEVE, GOVERNOR DRIVEN SHAFT	2. 8800
SHAFT, FAN	5. 4100		
SHAFT, FUEL PUMP DRIVE	2. 2093		
SHAFT, FUEL PUMP DRIVEN	2. 2089		

ALPHABETICAL INDEX

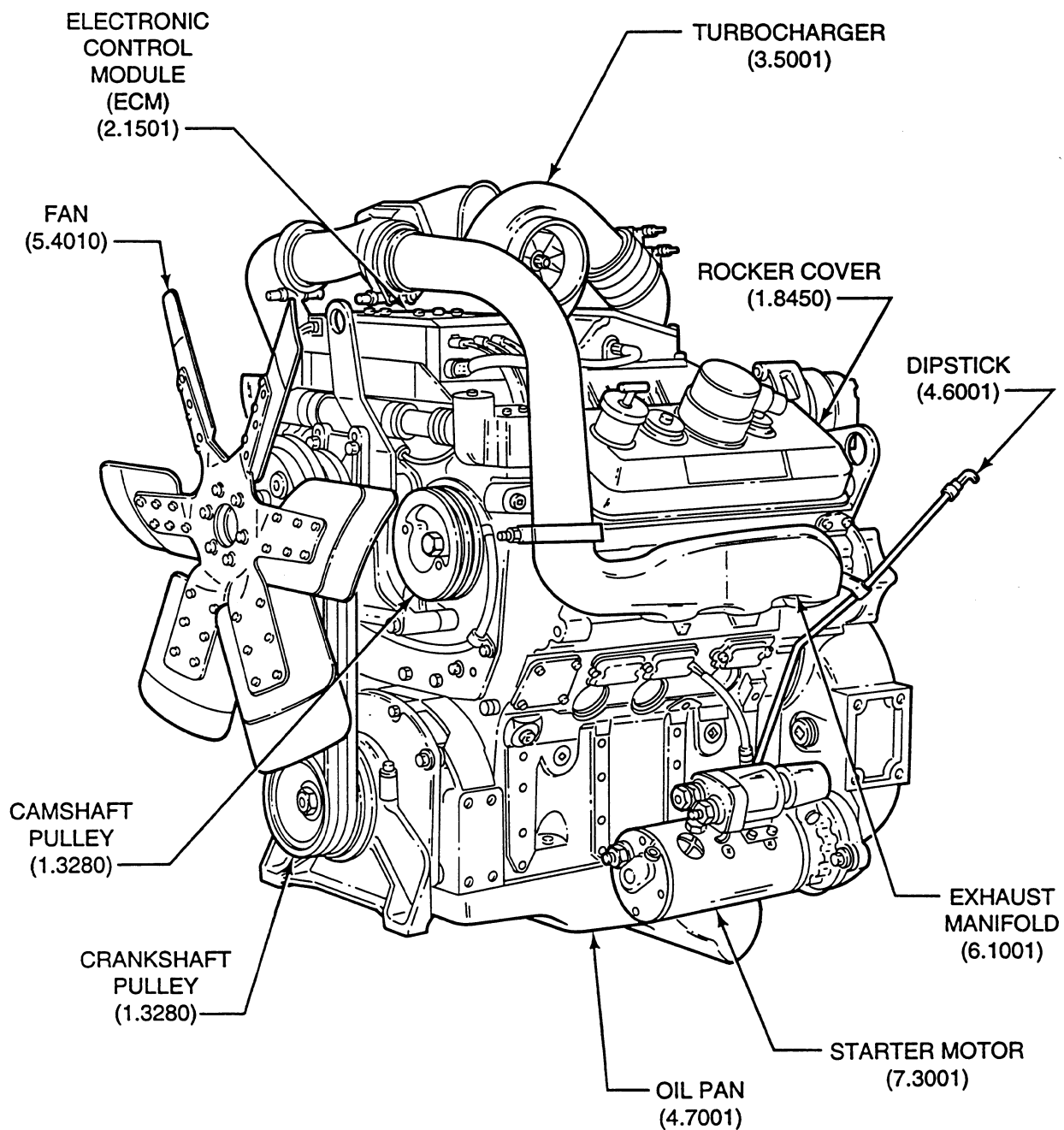
PART NAME	GROUP NO.	PART NAME	GROUP NO.
S		S	
SLEEVE, REVERSE GEAR HOUSING OIL TRANSFER	9. 1020	SPRING, GOVERNOR RELIEF VALVE	2. 8680
SLINGER, BLOWER BEARING OIL	3. 4046	SPRING, GOVERNOR SHUTDOWN SHAFT	2. 7117
SLINGER, RAW WATER PUMP SHAFT	5. 6200	SPRING, GOVERNOR SPEEDER	2. 8530
SLINGER, REDUCTION GEAR DRIVE SHAFT THRUST BEARING OIL	9. 1355	SPRING, GOVERNOR VARIABLE SPEED	2. 7760
SLINGER, TACHOMETER DRIVE SHAFT OIL	7. 4440	SPRING, HYDRAULIC PUMP VALVE	9. 1525
SOCKET LAMP-INSTRUMENT PANEL LAMP	7. 4105	SPRING, INJECTOR CONTROL AIR CYLINDER	2. 9097
SOLENOID, AIR SHUTOFF OR GOVERNOR	7. 4519	SPRING, INJECTOR CONTROL TUBE	2. 9012
SOLENOID, PARTICULATE TRAP	6. 2470	SPRING, INJECTOR PLUNGER	2. 1080
SOLENOID, THROTTLE CONTROL	2. 9355	SPRING, INJECTOR VALVE	2. 1250
SPACER OR SLEEVE, REDUCTION GEAR PINION BEARING	9. 1335	SPRING, OIL COOLER BYPASS VALVE	4. 4150
SPACER, ACCESSORY DRIVE OIL SEAL	1. 7665	SPRING, OIL FILTER	4. 2310
SPACER, AIR CLEANER BRACKET	3. 1240	SPRING, OIL FILTER	9. 1786
SPACER, BLOWER ROTOR FUEL PUMP COUPLING DISC	3. 4112	SPRING, OIL FILTER BY-PASS	9. 1797
SPACER, BLOWER ROTOR SHAFT OIL SEAL	3. 4163	SPRING, OIL FILTER BYPASS VALVE	4. 2486
SPACER, CAMSHAFT AND BALANCE SHAFT GEAR	1. 7202	SPRING, OIL FILTER TUBE ADAPTOR BYPASS	4. 3057
SPACER, CRANKSHAFT FRONT OIL SEAL	1. 3055	SPRING, OIL PRESSURE REGULATOR	4. 1690
SPACER, CRANKSHAFT OIL-FRONT	4. 1008	SPRING, OIL PUMP RELIEF VALVE	4. 1260
SPACER, FAN SHAFT BEARING	5. 4170	SPRING, OVERSPEED TRIP GOVERNOR HIGH OR LOW SPEED	7. 4651
SPACER, FAN SUPPORT BRACKET	5. 4028	SPRING, OVERSPEED VALVE PISTON	7. 4737
SPACER, FILTER TO CYLINDER HEAD CLIP	2. 5200	SPRING, PUSH ROD	1. 8190
SPACER, FUEL PUMP TO FILTER HOSE CLIP	2. 5140	SPRING, RAW WATER PUMP SHAFT SEAL	5. 6178
SPACER, GENERATOR ADJUSTING STRAP	7. 1581	SPRING, REVERSE CLUTCH RELEASE	9. 1055
SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD	7. 1590	SPRING, SELECTOR VALVE POPPET	9. 1150
SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING	7. 1540	SPRING, THROTTLE BOOSTER	2. 9347
SPACER, GOVERNOR	2. 7030	SPRING, THROTTLE CONTROL SHAFT TENSION	2. 9108
SPACER, IDLER GEAR	1. 7240	SPRING, TROLL VALVE LEVER	7. 7426
SPACER, IDLER GEAR BEARING	1. 7226	SPRING, VERNIER THROTTLE CONTROL LOCK	2. 9138
SPACER, IDLER GEAR HOLE	1. 7260	SPRING, VERNIER THROTTLE CONTROL LOCK BUTTON PIN	2. 9147
SPACER, INJECTOR CONTROL TUBE LEVER	2. 9010	SPRING, WATER FILTER	5. 7026
SPACER, OIL PUMP BODY	4. 1060	SPROCKET, BLOWER ROTOR GEAR DRIVE	3. 4103
SPACER, TURBOCHARGER ROTOR THRUST	3. 5035	STABILIZER, CRANKSHAFT MAIN BEARING CAP	1. 3112
SPEED SELECT ASSEMBLY	2. 6693	STAKING AND FERRULE, ROLLING TOOL FLEXIBLE SHAFT	12.8518
SPEED, TRIP GOVERNOR SWITCH HOUSING	7. 4681	STARTING MOTOR	7. 3000A
SPRING PACK ASSY., LIMITING SPEED GOVERNOR	2. 7611	STOP, GOVERNOR VARIABLE SPEED SPRING RETAINER	2. 7795
SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION	3. 3070	STRAINER AND PLUG ASSY., STARTING FLUID	12.6385
SPRING, BLOWER DRIVE COUPLING	3. 4400	STRAINER ASSY., FUEL	2. 3001
SPRING, CLUTCH PRESSURE PLATE RETURN	8. 1135	STRAINER ASSY., OIL MARINE GEAR	9. 1650
SPRING, CLUTCH TOGGLE LEVER	8. 1100	STRAINER, AIR COMPRESSOR ON COMPRESSOR	12.4300
SPRING, COLLECTOR	4. 8230	STRAINER, OIL FILLER TUBE	4. 5020
SPRING, EXHAUST VALVE	1. 8340	STRAP, AIR CLEANER MOUNTING	3. 1220
SPRING, FAST IDLE AIR CYLINDER	2. 7870	STRAP, AIR SILENCER MOUNTING	3. 2014
SPRING, FAST IDLE AIR CYLINDER	7. 7014	STRAP, GENERATOR ADJUSTING	7. 1580
SPRING, FLEXIBLE SHAFT CASING	12.8512	STUD, CYLINDER HEAD	1. 2030
SPRING, FORWARD CLUTCH DUMP VALVE	9. 1270	STUD, EXHAUST MANIFOLD COVER PLATE	6. 1120
SPRING, FORWARD CLUTCH RELEASE	9. 1240	STUD, EXHAUST MANIFOLD OUTLET	6. 1050
SPRING, FRONT BALANCE WEIGHT	1. 7160	STUD, EXHAUST MANIFOLD TO HEAD	6. 1020
SPRING, FUEL FILTER ELEMENT	2. 3370	STUD, EXHAUST OUTLET	6. 2115
SPRING, FUEL PUMP VALVE RETAINING	2. 2160	STUD, FRESH WATER PUMP BODY	5. 1040
SPRING, GOVERNOR CONTROL RETRACTING	2. 9405	STUD, GOVERNOR OIL PUMP DRIVEN GEAR TO BASE	2. 8740
SPRING, GOVERNOR FUEL ROD SHORT	2. 8120	STUD, OIL FILTER CENTER	4. 2410
SPRING, GOVERNOR HIGH SPEED	2. 7550	STUD, OIL FILTER CENTER	9. 1789
SPRING, GOVERNOR LEVER RETRACTING	2. 7210	STUD, ROCKER COVER	1. 8475
SPRING, GOVERNOR LOW SPEED	2. 7540	STUD, WATER OUTLET MANIFOLD	5. 2020
		SUB-CAP ASSY., GOVERNOR	2. 8050
		SUMP, OIL PAN	4. 7140
		SUMP, REDUCTION GEAR OIL	9. 1385

ALPHABETICAL INDEX

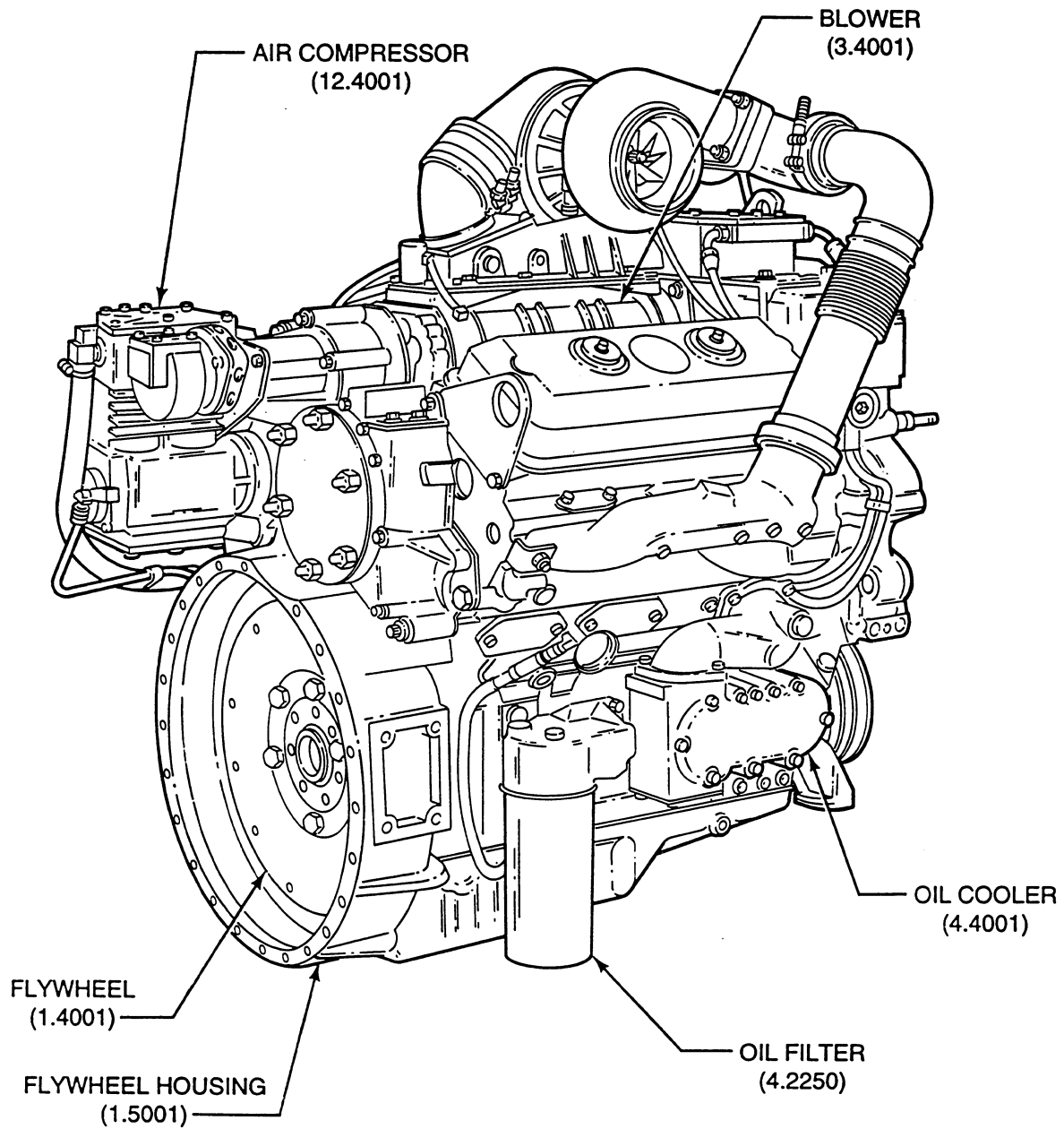
PART NAME	GROUP NO.	PART NAME	GROUP NO.
S		T	
SUPPLIES	12.8000A	TUBE ASSY., INJECTOR CONTROL	2. 9001
SUPPORT ASSY., CRANKSHAFT REAR	1. 5021	TUBE ASSY., WATER CROSSOVER	5. 2298
SUPPORT, AIR SILENCER	3. 2010	TUBE, ACCESSORY DRIVE OIL SUPPLY	1. 7647
SUPPORT, BLOWER DRIVE	1. 7435	TUBE, AIR BOX DRAIN	1. 1100
SUPPORT, BLOWER DRIVE COUPLING	3. 4380	TUBE, AIR BOX DRAIN-HAND HOLE COVER	1. 1120
SUPPORT, BLOWER DRIVE GEAR HUB	3. 4350	TUBE, AIR COMPRESSOR BOOSTER	12.4375
SUPPORT, BREATHER TUBE CLIP	4. 8042	TUBE, AIR COMPRESSOR LUBE OIL DRAIN	12.4070
SUPPORT, ENGINE FRONT	11.1070	TUBE, AIR COMPRESSOR LUBE OIL SUPPLY	12.4065
SUPPORT, ENGINE FRONT TRUNNION		TUBE, AIR COMPRESSOR WATER CROSSOVER	12.4087
MOUNTING	11.1090	TUBE, AIR COMPRESSOR WATER INLET	12.4085
SUPPORT, ENGINE REAR	11.1100	TUBE, AIR COMPRESSOR WATER OUTLET	12.4090
SUPPORT, FAN MOUNTING	5. 4025	TUBE, BLOWER OIL SUPPLY	3. 4192
SUPPORT, FUEL FILTER MOUNTING BRACKET	2. 3565	TUBE, BREATHER TUBE TO DRAIN TANK	4. 8190
SUPPORT, GENERATOR BRACKET	7. 1596	TUBE, CONVERTER TANK TO PUMP	8. 3820
SUPPORT, GENERATOR DRIVE GEAR	7. 1512	TUBE, ENGINE FRONT TRUNNION BEARING	
SUPPORT, INJECTOR CONTROL AIR CYLINDER	2. 9099	LUBRICATING	11.1092
SUPPORT, INSTRUMENT PANEL	7. 4013	TUBE, EXHAUST MANIFOLD FRESH WATER	
SUPPORT, POWER TAKE-OFF	8. 1895	INLET	5. 3433
SUPPORT, THROTTLE CONTROL BELL CRANK	2. 9700	TUBE, EXHAUST MANIFOLD FRESH WATER	
SUPPORT, TRANSMISSION OIL FILTER		OUTLET	5. 3447
MOUNTING	8. 3882	TUBE, EXHAUST MANIFOLD WATER-INLET	7. 4694
SWITCH ASSY., BUFFER SWITCH	7. 7021	TUBE, EXHAUST MANIFOLD WATER-OUTLET	7. 4699
SWITCH, ALARM SHUTOFF-FUEL	7. 4598	TUBE, EXPANSION TANK OVERFLOW	5. 5190
SWITCH, CONTROL PANEL	7. 7660	TUBE, FILTER OUTLET	2. 5151
SWITCH, EMERGENCY BACKUP	7. 7465	TUBE, FILTER TO CYLINDER HEAD	2. 5149
SWITCH, ENGINE STARTING	7. 4115	TUBE, FUEL COOLER	2. 5214
SWITCH, OIL PRESSURE	7. 4586	TUBE, FUEL DRAIN	2. 5210
SWITCH, OVERSPEED TRIP GOVERNOR	7. 4659	TUBE, FUEL DRAIN CROSSOVER	2. 5205
SWITCH, WATER TEMPERATURE	7. 4505	TUBE, FUEL FILTER TO JUNCTION BLOCK	2. 5148
T		TUBE, FUEL SUPPLY CROSSOVER	2. 5163
TACHOMETER	7. 4060	TUBE, GENERATOR OIL SUPPLY	7. 1004
TACHOMETER DRIVE	7. 4000B	TUBE, GOVERNOR OPERATING PRESSURE	2. 8910
TANK ASSY., FUEL	2. 6001	TUBE, HEAT EXCHANGER FRESH WATER INLET	
TANK EXPANSION	5. 5001	CONNECTION	5. 5220
TANK, FRESH WATER EXPANSION	5. 5090	TUBE, HEAT EXCHANGER RAW WATER INLET	
TANK, RADIATOR LOWER	5. 3030	INTERMEDIATE	5. 5430
TANK, RADIATOR UPPER	5. 3020	TUBE, HEAT EXCHANGER TO FUEL COOLER	5. 5444
TEE, THERMOSTAT HOUSING WATER OUTLET		TUBE, HEAT EXCHANGER WATER INLET	5. 5440
KEEL COOLING	5. 5655	TUBE, HEAT EXCHANGER WATER OUTLET	5. 5550
THERMOCOUPLING, PARTICULATE TRAP	6. 2440	TUBE, HYDRAULIC PUMP DRIVE OIL SUPPLY	12.5034
THERMOSTAT	5. 2000B	TUBE, INTERCOOLER INLET	5. 5730
THERMOSTAT	12.6430	TUBE, INTERCOOLER OUTLET	5. 5735
THERMOSTAT ASSY.	5. 2050	TUBE, JUNCTION BLOCK INLET	4. 1581
THREADLOCK, SEALER	12.8242	TUBE, JUNCTION BLOCK TO CYLINDER HEAD	2. 5175
THROTTLE AND GEAR CONTROL SYSTEM		TUBE, OIL COOLER BYPASS	4. 4176
ELECTRONIC	7. 7000B	TUBE, OIL COOLER TO CONVERTER	8. 3818
THROTTLE CONTROLS	2. 9000A	TUBE, OIL COOLER WATER INLET	4. 4269
TIP ASSY., INJECTOR SPRAY	2. 1235	TUBE, OIL COOLER WATER OUTLET	4. 4270
TIP, FLEXIBLE SHAFT LOWER	12.8506	TUBE, OIL FILLER	4. 5001
TIP, FLEXIBLE SHAFT UPPER	12.8508	TUBE, OIL FILTER INLET	4. 3001
TRANSMISSION LINES	8. 3000B	TUBE, OIL FILTER OUTLET	4. 3020
TRAP, CONDENSATE	6. 2420	TUBE, OIL PAN DRAIN	4. 7100
TRAP, PARTICULATE	6. 2310	TUBE, OIL PRESSURE CAGE	4. 4340
TRUNNION, ENGINE FRONT	11.1088	TUBE, OIL PRESSURE GAGE FOR CUSTOMER	
TUBE AND PLUG ASSY., AIR BOX DRAIN		GAGE CONNECTOR TO SELECTOR VALVE	
CANISTER	1. 1119	HOUSING FLANGE	9. 1775
TUBE ASSY., AIR CYLINDER LUBRICATION	2. 9096	TUBE, OIL PRESSURE GAGE-ENGINE	7. 4074
TUBE ASSY., CYLINDER HEAD AIR INLET	2. 9087	TUBE, OIL PRESSURE GAGE-MARINE	4. 1597
TUBE ASSY., HEAT EXCHANGER FRESH WATER		TUBE, OIL PRESSURE GAGE-REVERSE GEAR OR	
OUTLET	5. 5330	TRANSMISSION	7. 4075
		TUBE, OIL PRESSURE SWITCH	7. 4596
		TUBE, OIL PRESSURE SWITCH RETURN	7. 4597

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
T		V	
TUBE, OVERSPEED VALVE OIL SUPPLY	7. 4746	VALVE, OIL FILTER BYPASS	4. 2485
TUBE, PRESSURE PUMP TO RELIEF VALVE	8. 3805	VALVE, OIL FILTER TUBE ADAPTOR BYPASS	4. 3055
TUBE, PUMP TO TRANSMISSION	8. 3810	VALVE, OIL PRESSURE REGULATOR	4. 1700
TUBE, RAW WATER PUMP INLET	5. 5377	VALVES, PARTICULATE TRAP	6. 2370
TUBE, RAW WATER PUMP OUTLET	5. 5380	VENT, EXHAUST MANIFOLD WATER OUTLET FLANGE	5. 3465
TUBE, RAW WATER PUMP OUTLET	5. 6580	VENTILATING SYSTEM	4. 8000A
TUBE, REDUCTION GEAR OIL FILLER	9. 1410	VIBRATION DAMPER	1. 3000B
TUBE, STARTING AID PUMP TO NOZZLE	12. 6370		
TUBE, STRAINER TO FUEL PRIMER PUMP	2. 5055	W	
TUBE, STRAINER TO FUEL PUMP	2. 5050	WASHER, BLOWER DRIVE GEAR THRUST	1. 7433
TUBE, STRAINER TO PUMP	8. 3832	WASHER, CAM AND BALANCE SHAFT END BEARING THRUST	1. 7030
TUBE, THERMOSTAT HOUSING VENT	5. 2135	WASHER, CRANKSHAFT CAP RETAINER-FRONT	1. 3057
TUBE, THROTTLE CONTROL CROSS SHAFT	2. 9312	WASHER, CRANKSHAFT MAIN BEARING THRUST	1. 3100
TUBE, TRANSMISSION TO OIL COOLER	8. 3800	WASHER, FLEXIBLE SHAFT TIP RETAINING	12. 8510
TUBE, TURBOCHARGER OIL RETURN	3. 5505	WASHER, FUEL PIPE CONNECTOR	2. 4050
TUBE, TURBOCHARGER OIL SUPPLY	3. 5500	WASHER, GOVERNOR SHUTDOWN SHAFT	2. 7145
TUBE, TURBOCHARGER WATER RETURN	5. 3269	WASHER, GOVERNOR THROTTLE SHAFT	2. 7140
TUBE, TURBOCHARGER WATER SUPPLY	3. 5520	WASHER, PLANETARY GEAR RETAINING	9. 1090
TUBE, WATER BYPASS	5. 2160	WASHER, PLANETARY GEAR THRUST	9. 1085
TUBE, WATER CROSSOVER	5. 3470	WASHER, REDUCTION GEAR DRIVE SHAFT THRUST	9. 1325
TUBE, WATER OUTLET MANIFOLD	5. 2045	WASHER, REVERSE GEAR DRIVE SHAFT THRUST	9. 1101
TURBOCHARGER	3. 5001	WASHER, REVERSE SUN GEAR THRUST	9. 1075
TURBOCHARGER, INTERCOOLER AND AFTERCOOLER	3. 5000A	WASHER, SELECTOR VALVE LOCATING SCREW	9. 1170
		WASHER, THROTTLE CONTROL TUBE BRAKE	2. 9105
V		WATER BYPASS TUBE	5. 2000C
VALVE AND INJECTOR OPERATING MECHANISM	1. 8000	WATER CONNECTIONS	5. 3000B
VALVE ASSY., AIR SHUTDOWN	3. 3035	WATER FILTER	5. 7000A
VALVE ASSY., BLOWER (BYPASS)	3. 4144	WATER OUTLET MANIFOLD AND/OR ELBOW	5. 2000A
VALVE ASSY., FAN THERMO CONTROL	5. 4185	WEIGHT AND CARRIER ASSY., OVERSPEED TRIP GOVERNOR	7. 4623
VALVE ASSY., FUEL PUMP	2. 2130	WEIGHT, FRONT BALANCE	1. 7140
VALVE ASSY., OVERSPEED AND LOW OIL PRESSURE	7. 4591	WEIGHT, GOVERNOR	2. 7390
VALVE ASSY., SELECTOR	9. 1135	WEIGHT, OVERSPEED TRIP GOVERNOR	7. 4625
VALVE ASSY., TROLLING (TWIN DISC)	9. 1022	WEIGHT, REAR BALANCE	1. 7190
VALVE KIT, INJECTOR	2. 1238	WHEEL, FRONT BALANCE SPEED SENSOR PULSE	1. 7145
VALVE OIL PUMP RELIEF	4. 1250	WHEEL, SPEED SENSOR PULSE	1. 7133
VALVE/REGULATOR BREATHER PIPE	4. 8003	WHEEL, TURBOCHARGER COMPRESSOR	3. 5036
VALVE, AIR INLET HOUSING BY-PASS BLOWER BUTTERFLY	3. 3043	WIRE ASSY., GENERATOR TO REGULATOR	7. 1630
VALVE, AIR INLET HOUSING SHUTDOWN	3. 3040	WIRE, AIR INLET HOUSING SHUTDOWN CONTROL	3. 3250
VALVE, COMPRESSED NATURAL GAS	1. 1042	WIRE, GOVERNOR CONTROL	2. 9422
VALVE, CONTROL	2. 7875	WIRING HARNESS	7. 7000A
VALVE, EXHAUST	1. 8310	WORM, VERNIER THROTTLE CONTROL	2. 9139
VALVE, FORWARD CLUTCH DUMP	9. 1265		
VALVE, FUEL SUPPLY CHECK	2. 5006	Y	
VALVE, GOVERNOR OPERATING SOLENOID	2. 8915	YOKE, CLUTCH RELEASE	8. 1275
VALVE, HYDRAULIC PUMP	9. 1520		
VALVE, INJECTOR CHECK	2. 1200		
VALVE, OIL CONTROL (THERMATIC)	4. 2245		
VALVE, OIL COOLER BYPASS	4. 4140		
VALVE, OIL FILTER BY-PASS	9. 1796		



TYPICAL SERIES 92 ENGINE



TYPICAL SERIES 92 ENGINE

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.1000	- CYLINDER BLOCK	
BLOCK, CYLINDER		
FOR COMPONENTS OF CYLINDER BLOCK ASSEMBLIES REFER TO ASSEMBLY BREAKDOWN PAGE A1.		
8923319	BLOCK ASSY. (16V92 FRONT)	1
BLOCK, CYLINDER		
103195	STUD, 3/8"X1 7/16"	2
5101033	ADAPTOR, INLET COOLER (THREADED)	2
5103045	PIN, 5/16"X3/8" DOWEL	3
5103930	BEARING, CAMSHAFT (1.7010)	4
5104503	WASHER, 3/8"X1/2" (SPLIT COPPER)	2
8927479	BOLT, 3/8"-24X.62"	2
5132410	PLUG, 1 5/8" CUP (STAINLESS STEEL)	2
5138646	PLUG, 2 1/2"-16	2
5138659	GASKET, 2.75"X.063" PLUG	3
5139988	PLUG, CUP 1" DIA. STNLS.	3
5139989	PLUG, 2 1/2" CUP (1.1001)	8
5144559	PLUG, 2 1/4" CUP (STAINLESS) (1.1001)	1
5146497	CAP, MAIN BEARING (1.3110)	5
5150131	PLUG, 7/16" CUP	2
5151576	PIN, 1/2"X1 5/8" DOWEL	2
8920631	BOLT, 5/16"-18X1" FLG. HEX. HD. (12.9001)	14
8923313	PLUG, 3/4" PIPE (12.9550)	6
8923847	PLUG, PIPE 1/4-18" NPTF	2
8923916	PLUG, 1/2" PIPE (12.9550)	1
8924140	DRAINCOCK, 1/4" (12.9510)	2
8924272	BOLT, 11/16"-11X6.90" (12 PT.) (MAIN BEARING CAP)	10
8924380	PLUG, 1/8"-27 PIPE (12.9550)	1
23511574	PLUG, 1" PIPE SQ. SOC. SCOTCHGRIP	3
8924751	PLUG, 1 1/4" (12.9550)	1
8925531	PLUG, 11/16"-11X1/2"	14
8923321	BLOCK ASSY. (16V92 REAR)	1
BLOCK, CYLINDER		
103195	STUD, 3/8"X1 7/16"	2
141346	PIN, 3/16"X1/2" DOWEL (12.9290)	4
5101033	ADAPTOR, INLET COOLER (THREADED)	1
5103045	PIN, 5/16"X3/8" DOWEL	3
5103930	BEARING, CAMSHAFT (1.7010)	2
5104503	WASHER, 3/8"X1/2" (SPLIT COPPER)	2
8927479	BOLT, 3/8"-24X.62"	2
5132410	PLUG, 1 5/8" CUP (STAINLESS STEEL)	2
5138646	PLUG, 2 1/2"-16	2
5138659	GASKET, 2.75"X.063" PLUG	3
5139988	PLUG, CUP 1" DIA. STNLS.	3
5139989	PLUG, 2 1/2" CUP (1.1001)	8
5140081	PLUG, 3/4"X3/8" RED.	1
5140082	GASKET	1
5144559	PLUG, 2 1/4" CUP (STAINLESS) (1.1001)	1
5146497	CAP, MAIN BEARING (1.3110)	5
5150131	PLUG, 7/16" CUP	2
5151576	PIN, 1/2"X1 5/8" DOWEL	2
8920631	BOLT, 5/16"-18X1" FLG. HEX. HD. (12.9001)	14
8923313	PLUG, 3/4" PIPE (12.9550)	4
8923847	PLUG, PIPE 1/4-18" NPTF	8
8923916	PLUG, 1/2" PIPE (12.9550)	1
8924140	DRAINCOCK, 1/4" (12.9510)	2
8924272	BOLT, 11/16"-11X6.90" (12 PT.) (MAIN BEARING CAP)	10
8924380	PLUG, 1/8"-27 PIPE (12.9550)	1
8924517	PLUG, 3/8"-18 SQ. SOC. VIBRA SEAL (12.9550)	1
23511574	PLUG, 1" PIPE SQ. SOC. SCOTCHGRIP	3
8924751	PLUG, 1 1/4" (12.9550)	1
8925531	PLUG, 11/16"-11X1/2"	14
8925710	DRAINCOCK, 3/8" (12.9510)	1
9428477	PLUG, 15/16" CUP (2.7340)	1
5103045	PIN, 5/16"X3/8" DOWEL	6
5154319	PLUG, 1/4"X5/16" PIPE	2
5154453	PLUG, 3/8"-16 (12.001)	4

GASKET KIT, ENGINE OVERHAUL

A GASKET KIT CONSISTS OF THE NECESSARY GASKETS FOR ONE COMPLETE ENGINE OVERHAUL.

23512687	KIT ENGINE OVERHAUL GASKET 16V92	AR
----------	----------------------------------	----

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.1000 - CYLINDER BLOCK		
ATTACHING PARTS, CYLINDER BLOCK FRONT TO REAR		
5126030	SPACER, CYL. BLK. JOINT (ITEM 7) (1.1001)	2
5109346	SEAL, INTER-BLOCK (1.1001)	1
5186579	SEAL RING .797" I.D. X 1.062" O.D. X .147" THK.	2
5146150	BOLT, 5/8"-11X3 1/4" (ITEM 5)	2
5146433	SEAL RING, .147"X1.143"	1
271585	BOLT, 5/8"-18X1 3/4" (ITEM 1) (12.9001)	1
5135244	BOLT, 5/8"-11X4 1/4" (ITEM 6) (1.1001)	2
5127952	WASHER, 1.12"X.755" (ITEM 4) (1.1001)	2
5146149	BOLT, 3/4"-10X2 1/2" (ITEM 3)	2
126023	NUT, 5/8"-18 (ITEM 2)	1
PLATE, CYLINDER BLOCK END-FRONT		
A PLATE ASSY. INCLUDES PLUG NUTS.		
5102841	PLATE ASSY. (LESS ACCSY. HOLE)	1
PLATE, CYLINDER BLOCK END-REAR		
A PLATE ASSY. INCLUDES PLUG NUTS. A COVER ASSY. INCLUDES (1) PLUG NUT NOT SERVICED SEPARATELY.		
5146709	PLATE ASSY. (USE W/DUAL HI STARTER PADS)	1
8927580	BOLT 3/8"-16X1.015" (12.9001)	8
428204	BOLT, 5/8"-11X1" (12.9001)	1
103321	LOCKWASHER, 3/8"	8
103325	LOCKWASHER, 5/8"	1
5121459	NUT, 3/8"-24 PLUG (1.1020)	10
GASKET, CYLINDER BLOCK END PLATE-FRONT		
5144874	GASKET	1
GASKET, CYLINDER BLOCK END PLATE-REAR		
23506157	GASKET (1.1030)	1
COVER, CYLINDER BLOCK HAND HOLE		
5132458	COVER, SMALL (ALUM.)	8
5144186	COVER, LARGE	4
8924380	PLUG, 1/8"-27 PIPE (12.9550)	4
8920631	BOLT, 5/16"-18X1" FLG. HEX. HD. (12.9001)	28
GASKET, CYLINDER BLOCK HAND HOLE COVER		
8923791	GASKET, LARGE COVER	4
8923792	GASKET, SMALL COVER	8
COVER, CYLINDER BLOCK WATER HOLE		
5122961	COVER (LEFT BANK, FRONT)	1
5122962	COVER (LEFT BANK, REAR)	1
179839	BOLT, 3/8"-16 X 1"	8
5152148	WASHER, 3/8"X9/16" (COPPER) (2.4050)	4
103321	LOCKWASHER, 3/8"	4
COVER, CYLINDER BLOCK OIL HOLE		
5108216	COVER (1.1001)	2
103321	LOCKWASHER, 3/8"	4
8921933	BOLT, 3/8"-16X.88" (W/SEAL PATCH) (12.9001)	4
GASKET, CYLINDER BLOCK OIL HOLE COVER		
5117535	GASKET (4.4117)	2
GASKET, CYLINDER BLOCK WATER HOLE COVER		
5117734	GASKET (1.1070)	1
5117254	GASKET (4.4230)	1
1.1000A - AIR BOX DRAINS		
TUBE, AIR BOX DRAIN		
8921844	TUBE ASSY. (DEV. L. 18.03")	2
8921877	TUBE ASSY. (DEV. L. 18.72")	2
25042692	CHECK VALVE ASSY. (4 PSI)	4
8924178	TEE, 1/4"-18	4
8923847	PLUG, PIPE 1/4"-18" NPTF	4
8924180	NIPPLE, 1/4"-18 PIPE (12.9560)	4

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.1000A - AIR BOX DRAINS		
CLIP, AIR BOX DRAIN TUBE		
5151883	CLIP, 3/8" (2.5070)	4
1.2000 - CYLINDER HEAD		
HEAD ASSY., CYLINDER		
FOR COMPONENTS OF CYLINDER HEAD ASSEMBLY REFER TO ASSEMBLY BREAKDOWN PAGE A1.		
R5149878	REMANUFACTURED 5149878	AR
5149878	HEAD ASSY. (8V, 16V)	4
HEAD ASSY., CYLINDER		
23506469	GASKET, WATER OUTLET PORTS (5.2010)	4
5104701	SEAL RING, INJECTOR HOLE TUBE (1.2046)	4
5117186	PLUG, 2" CUP (1.2001)	1
5117344	PLATE, WATER OUTLET PORTS	4
5117562	WASHER, 1/2"X15/16"X1/16" (1.8360)	16
5117564	GUIDE, EXHAUST VALVE BRIDGE (1.8345)	8
5125108	WASHER, 7/16"X3/4" (2.4030)	8
5129919	GUIDE, EXHAUST VALVE (1.8320)	16
5148490	INSERT, EXHAUST VALVE (1.8330)	16
5148615	SLEEVE, PILOT (CAM. SIDE)	2
5150132	PLUG, 3/4" DIA. CUP (1.1001)	2
5154453	PLUG, 3/8"-16 (12.001)	6
5172874	NOZZLE, WATER (SINGLE OUTLET) (1.2005)	2
5178976	PLUG, 7/16"-14 (1.3160)	4
8922388	NOZZLE, WATER (DOUBLE OUTLET) (.540" DIA.)	6
8923313	PLUG, 3/4" PIPE (12.9550)	2
8923847	PLUG, PIPE 1/4"-18" NPTF	13
8924517	PLUG, 3/8"-18 SQ. SOC. VIBRA SEAL (12.9550)	3
8924809	PLUG, FUSE 1/8" PIPE SLOTTED HD. (EARLY UNITS)	1
8925804	STUD, 7/16"-14/20X2 3/32" (6.1020)	5
8925981	TUBE KIT, INJECTOR HOLE (INCLUDES 5104701 SEAL RIN	4
8926993	PLUG, FUSE (1/4"-18 RECESSED SOC. HD.)	1
8927579	BOLT, 3/8"-16X.88" (W/SEAL PATCH) (12.9001)	8
5127842	ADAPTOR, HOSE (BETWEEN CYLINDER HEADS)	4
5127843	HOSE, 3/8" I.D. X 1.48" L.	2
5100703	SHIM, SUPPORT	8
5106269	PLUG, 1/4"-18 PIPE	20
5126389	PLUG, CYLINDER HEAD VENT (1/4" TAP HOLE)	6
5151449	PLUG, 13/16" CUP	2
5154453	PLUG, 3/8"-16 (12.001)	2
8927270	STUD, 3/8"-16/24X1.62" (12.9117)	32
8928651	CLAMP, HOSE 1/4" (12.9660)	4
GASKET KIT, CYLINDER HEAD OVERHAUL		
GASKET KIT CONSISTS OF ALL GASKETS NECESSARY TO REPLACE ONE CYLINDER HEAD.		
5199674	GASKET KIT (8V, 16V)	AR
GASKET, CYLINDER HEAD COMPRESSION		
5100404	GASKET	16
GASKET SET, CYLINDER HEAD OIL		
5119973	RING, SEAL (HEAD TO BLOCK) (8V, 16V)	4
5148502	RING, SEAL	68
STUD, CYLINDER HEAD		
5148324	BOLT, 11/16"-11X5.56" L.	40
5148310	WASHER, 11/16" DIA. (FLAT)	40
COVER, CYLINDER HEAD GOVERNOR HOLE		
5150268	COVER (PLAIN)	AR
120392	WASHER, 1/4"	AR
5104089	BOLT, 1/4"-20X1/2" (W/SEAL PATCH) (12.9001)	AR
GASKET, CYLINDER HEAD GOVERNOR HOLE COVER		
5123812	GASKET (1.2060)	AR
BRACE, ENGINE FRONT COVER SUPPORT		
THESE ITEMS ARE NOT REQUIRED ON HEAT EXCHANGER UNITS.		
5130017	BRACE, FRONT (5.4390)	1
5130018	BRACE, FRONT (5.4390)	1

D E T R O I T D I E S E L
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.2000 - CYLINDER HEAD		
5130030	BRACE, INCLUDES 2-13/32" & 1-1/2" HOLES	2
8921933	BOLT, 3/8"-16X.88" (W/SEAL PATCH) (12.9001)	4
181675	BOLT, 7/16"-20X2 1/4"	2
103322	LOCKWASHER, 7/16"	2
1.2000A - ENGINE LIFTER BRACKET		
BRACKET, ENGINE LIFTER-FRONT		
5137761	BRACKET (L. AND R. BANK)	2
179865	BOLT, 7/16"-14X1 7/8"	4
454933	BOLT, 7/16"-14X1 1/8" (12.9001)	2
103342	WASHER, 7/16"	6
BRACKET, ENGINE LIFTER-REAR		
5137761	BRACKET (L. AND R. BANK)	1
5134465	BRACKET	1
5175882	SPACER, 13/32" I.D. X 88" O.D. (4.4115)	3
103321	LOCKWASHER, 3/8"	1
103322	LOCKWASHER, 7/16"	1
23515268	BOLT 3/8"-24 X 4.125 LG HEXFLGHD 300M	3
5101678	BOLT, 3/8"-24X4 1/4" (NYLON PATCH)	3
8921932	BOLT, 3/8"-16X1.25" (W/SEAL PATCH) (12.9001)	1
8921936	BOLT, 7/16"-14X1.25" (W/SEAL PATCH) (12.9001)	1
106263	WASHER, 7/16"	2
1.3000 - CRANKSHAFT, OIL SEALS AND STABILIZERS		
CRANKSHAFT ASSY.		
A CRANKSHAFT ASSY. FOR 6V AND 8V INCLUDES PLUGS AND KEY IN 1.3001. A CRANKS		
HAFT ASSY. FOR 12V AND 16V INCLUDES PLUGS, BOLTS AND NUTS IN 1.3001.		
8927720	REMANUFACTURED 8927720	AR
8927720	CRANKSHAFT ASSY. (16V-FRONT) (R.H. ROTATION)	1
23502126	CRANKSHAFT ASSY. (16V-REAR) (R.H. ROTATION)	1
8924749	PLUG, 1/8"-27 PIPE SQ. SOC. (12.9550)	9
274639	NUT, 5/8"-18 (SELF-LOCK) (12.9120)	10
9409626	BOLT, 5/8"-18X2" (12.9001)	10
SEAL, CRANKSHAFT OIL-FRONT		
NOTE		AR
(REFER TO 1.3166 IN 1.3000A OR 4.1004 IN 4.1000A		
NOTE		AR
OR 8.1902 IN 8.1000A OR 11.1089 IN 11.1000A)		
SPACER, CRANKSHAFT FRONT OIL SEAL		
23503767	SPACER CRANKSHAFT OIL SEAL V71/92	AR
WASHER, CRANKSHAFT CAP RETAINER-FRONT		
23501143	B BOLT, 1"-14X2 3/4" (1 1/2" HEX. HD.)	1
23503239	B WASHER, 1 1/16"X1 3/4" (USE WITH 1 1/2" HEX.HD.BOL	1
	T)	
5160380	B WASHER, 1 1/16"X1 3/4" (USE WITH 1 5/16" HEX.HD.BO	1
	LT)	
23502013	DECAL, BOLT TORQUE	AR
	BS. - YELLOW) (1.3290)	
5160266	B BOLT, 1"-14X2 3/4" (1 5/16" HEX. HD.) (1.3290)	1
8922884	DECAL, BOLT TORQUE	AR
	. - ORANGE) (1.3290)	
B USED ONLY WHEN PULLEY IS NOT USED.		
CAP, CRANKSHAFT-FRONT		
5160302	B CAP (USED WITH 1 5/16" HEX. HEAD BOLT)	1
23503238	B CAP (USED WITH 1 1/2" HEX. HEAD BOLT)	1
B USED ONLY WHEN PULLEY IS NOT USED.		
SEAL, CRANKSHAFT OIL-REAR		
NOTE		AR
SEAL (REFER TO 1.5004 IN 1.5000A)		
SLEEVE, CRANKSHAFT REAR OIL SEAL		
NOTE		AR
SLEEVE (REFER TO 1.5012 IN 1.5000A)		

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.3000 - CRANKSHAFT, OIL SEALS AND STABILIZERS		
SHELL, CRANKSHAFT MAIN BEARING		
A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER BEARING SHELL.		
5149565	SHELL SET (STD.)	10
5149566	SHELL SET (.002" U.S.)	AR
5149567	SHELL SET (.010" U.S.)	AR
5149568	SHELL SET (.020" U.S.)	AR
8922118	SHELL SET (.030" U.S.)	AR
WASHER, CRANKSHAFT MAIN BEARING THRUST		
5117005	WASHER (STD.)	4
5196753	WASHER (.005" O.S.)	AR
5196754	WASHER (.010" O.S.)	AR
141346	PIN, 3/16"X1/2" DOWEL (12.9290)	4
5149149	PIN, 7/32"X1/2" DOWEL (1/32" O.S.)	AR
CAP, CRANKSHAFT MAIN BEARING		
5146497	CAP, MAIN BEARING (1.3110)	10
5149220	CAP (FINISHED)	10
STABILIZER, CRANKSHAFT MAIN BEARING CAP		
8923162	STABILIZER (ITEM B)	2
8923163	STABILIZER (ITEM C)	2
8923159	STABILIZER (ITEM D)	2
8923160	STABILIZER (ITEM E)	2
5125608	WASHER, 15/32"X3/4"X1/8"	14
9409620	BOLT, 7/16"-14X1 1/8" LOCK	14
BOLT, CRANKSHAFT MAIN BEARING CAP		
8924272	BOLT, 11/16"-11X6.90" (12 PT.) (MAIN BEARING CAP)	20
GEAR, CRANKSHAFT TIMING		
DO NOT MIX NITRIDE HARDENED GEARS WITH NON-NITRIDE HARDENED GEARS ON THE SAME GEAR TRAIN.		
MORE THAN ONE GEAR MAY APPEAR IN A PARTS BOOK TYPE. ENGINE ROTATION DICTATES THE GEAR(S) REQUIRED.		
8926633	GEAR (R.H. HELIX, R.H. ENGINE ROTATION) (ETCHED 89 26633)	1
8926634	GEAR (L.H. HELIX, L.H. ENGINE ROTATION) (ETCHED 89 26634)	1
8928873	GEAR (R.H. HELIX, R.H. ENGINE ROTATION) (ETCHED 89 28873)	1
5124646	GEAR, OIL PUMP DRIVE (12V, 16V) (4.1310)	1
5126034	GEAR (L.H. HELIX, R.H. ENGINE ROTATION,FRONT)(12V V, 16V)	1
5126035	GEAR (R.H. HELIX, R.H. ENGINE ROTATION,FRONT)(12V V, 16V)	1
5129881	BOLT, 5/16"-24X2" (4.1310)	6
9409036	BOLT, 3/8"-24 X 1.125" (12.9001)	6
RECONDITIONING KIT, VIBRATION DAMPER		
RECONDITIONING KIT INCLUDES SPRINGS, SPACERS, NUTS AND BOLTS NOT SERVICED SEPARATELY.		
5198306	RECONDITIONING KIT (FOR DAMPER ASSY. 5137566 ONLY)	AR
DAMPER, CRANKSHAFT FRONT TIMING GEAR		
5137566	* DAMPER ASSY. (WITH 4 SPRINGS)	1
5126368	BOLT, 3/8"-24X1/2" HEX. SOCK. (1.3210)	6
* COMPONENTS ARE NOT SERVICED SEPARATELY. SEE RECONDITIONING KIT IN 1.3146.		
1.3000A - CRANKSHAFT FRONT COVER		
COVER, CRANKSHAFT FRONT		
23515267	BOLT 3/8"-24 X 3.750",HEXFLGHD	7
8927603	BOLT, 3/8"-16X4 1/2" (12.9001)	2
5146712	COVER	1
8927579	BOLT, 3/8"-16X.88" (W/SEAL PATCH) (12.9001)	2
271570	BOLT, 5/8"-11X4" (12.9001)	2
5138619	WASHER, 25/64"X3/4"X.083" (4.1512)	1
103321	LOCKWASHER, 3/8"	6
103325	LOCKWASHER, 5/8"	2

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.3000A - CRANKSHAFT FRONT COVER		
SEAL, CRANKSHAFT OIL-FRONT		
8927747	* SEAL, OIL (DBL. LIP) (.58" WIDE) (L.H.) (1.5004)	1
8927749	* SEAL, OIL (O.S. DBL. LIP) (.58" WIDE) (L.H.)	AR
23507225	SLEEVE, O.S. OIL SEAL (1.24" LONG)	AR
* ONE (TEFLON) SEALING LIP AND ONE DUST LIP.		
GASKET, CRANKSHAFT FRONT COVER		
5144875	GASKET	1
COVER, CRANKSHAFT FRONT COVER SMALL HOLE		
5150568	WASHER, 7/16" (2.4050)	1
8922716	COVER (1.5050)	1
5125193	STUD, 3/8"-24X4.94" (1.5050)	3
5132874	STUD, 3/8"-24X5.34" (1.5050)	1
5139991	PLUG, 1-1/2" CUP (1.1001)	1
8927578	BOLT, 3/8"-16X.755" (12.9001)	2
179858	BOLT, 7/16"-14X 1"	1
103321	LOCKWASHER, 3/8"	6
103026	NUT, 3/8"-24	5
GASKET, CRANKSHAFT FRONT COVER SMALL HOLE COVER		
5104507	GASKET (1.5060)	1
COVER, CRANKSHAFT FRONT COVER LARGE HOLE		
100158	BOLT, 1/2"-13X1"	4
5150568	WASHER, 7/16" (2.4050)	1
8927603	BOLT, 3/8"-16X4 1/2" (12.9001)	1
5122281	COVER (1.5030)	1
179857	BOLT, 7/16"-14X7/8"	1
100158	BOLT, 1/2"-13X1"	4
103323	LOCKWASHER, 1/2"	4
GASKET, CRANKSHAFT FRONT COVER LARGE HOLE COVER		
23515145	GASKET AIR COMP 53/71/92 S50/60	1
1.3000B - VIBRATION DAMPER		
DAMPER, VIBRATION		
R8924435	REMANUFACTURED 8924435	AR
8924435	DAMPER (HEAVY VISCOUS)	1
179884	BOLT, 1/2"-13X1 3/8"	8
103323	LOCKWASHER, 1/2"	8
HUB, VIBRATION DAMPER		
HUB ASSY. 5140863 INCLUDES HUB, DOWEL, SLEEVE AND CUP PLUG IN 1.3230.		
8921929	HUB ASSY. (INCLUDES 5156295 DOWELS)	1
5140795	HUB ASSY.	1
5120753	PLATE, SCUFF (1.4001)	1
5156295	DOWEL, 7/16"X1"L.	2
9418363	BOLT, 9/16"-18X5" LOCK (1.3210)	6
1.3000C - CRANKSHAFT PULLEY		
PULLEY, CRANKSHAFT		
A TRUNK STYLE CYLINDER KIT INCLUDES PISTON ASSY., RINGS, EXPANDERS, PISTON PIN, RETAINERS AND LINER...A CROSSHEAD STYLE CYLINDER KIT INCLUDES SEAL, CROWN, SKIRT, RINGS, EXPANDERS, PIN, BEARING, RETAINERS AND LINER.		
5141084	PULLEY (9" DIA., 10 POLY-VEE GROOVES; 7.50" DIA., 2 GROOVES) (ITEM 7)	1
5131724	KEY, 3/8"X1" WOODRUFF (1.3280)	2
RETAINER, CRANKSHAFT PULLEY		
5157930	RETAINER, 1 1/32"I.D.X2 3/8"O.D.X1/2" THK.)	1
8922884	DECAL, BOLT TORQUE (FOR 1 5/16" HEX. HD., 300 FT. LBS. - ORANGE)	1
23501143	BOLT, 1"-14X2 3/4" (1 1/2" HEX. HD.)	1
CONE, CRANKSHAFT PULLEY		
5141221	SPACER (1.3280)	1
1.3000D - CRANKSHAFT PULLEY BELT		

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.3000D	- CRANKSHAFT PULLEY BELT	
	BELT, CRANKSHAFT PULLEY DRIVE	
	SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN.	
5140904	BELT SET (75.00" L., 10 GROOVE, POLY-VEE)	1
1.4000A	- FLYWHEEL	
	FLYWHEEL ASSY.	
	A FLYWHEEL ASSY. INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY	
	. "NC" INDICATES A NON-CHAMFERED ASSY.	
23500525	* FLYWHEEL ASSY. (SAE #0) (C)	1
8926134	SLEEVE, RR OUTBOARD SUPPORT	1
9412017	BOLT, 9/16"-18X3 1/2" LOCK (12.9001)	12
	* ALSO INCLUDES SLEEVE IN 1.4001. REFER TO FLYWHEEL HOUSING TYPE FOR REPLACEMENT SEAL IN 1.5004.	
	GEAR, FLYWHEEL RING	
5166664	GEAR, SAE #1, 118 TEETH, RH CHAMFER	1
1.5000A	- FLYWHEEL, HOUSING	
	HOUSING ASSY., FLYWHEEL	
23515267	BOLT 3/8"-24 X 3.750", HEXFLGHD	7
23504653	HOUSING (SAE #0)	1
23502069	SHIM, IDLER BOSS (.0095"-.0105" THK.)	2
23500693	PLUG, 5/8"-18X3/4"	1
5142549	PLUG, 3/4" PIPE SQ. SOC. (12.9550)	3
5146658	STUD, 3/4"-10X6.75"	1
5147824	STUD, 3/4"-10X6"	1
190770	BOLT, 1/2"-13X3 1/4" (12.9001)	6
8927579	BOLT, 3/8"-16X.88" (W/SEAL PATCH) (12.9001)	2
8927581	BOLT, 3/8"-16X1.135" (12.9001)	6
186282	BOLT, 3/8"-16X3 1/4"	1
114926	BOLT, 3/8"-16X4 1/4" (12.9001)	1
186309	BOLT, 3/8"-24X3 1/4"	1
5121466	BOLT, 3/8"-24X3 7/8" (12.9001)	4
5148499	BOLT, 3/8"-24X3 7/8" (W/SEAL PATCH)	3
186314	BOLT, 3/8"-24X4 1/4"	1
9425326	BOLT, 5/8"-11X4.00" (1.1003)	2
5138619	WASHER, 25/64"X3/4"X.083" (4.1512)	3
5131978	WASHER, .53 X 1.00 (1.5001)	6
5182759	WASHER, 21/32" (COPPER) (11.1100)	1
5137275	WASHER, .68"X1"X.12" (1.2030)	2
103321	LOCKWASHER, 3/8"	7
103026	NUT, 3/8"-24	2
218443	NUT, 3/4"-10	2
220081	NUT, 3/4"-10	2
5146707	NUT, 3/4"-10 JAM.	2
23511574	PLUG, 1" PIPE SQ. SOC. SCOTCHGRIP	2
	SEAL, CRANKSHAFT OIL-REAR	
8926135	SEAL, OIL (SGL. LIP) (.500" WIDE) (USE WITH 8926134 SLEEVE)	1
	GASKET, FLYWHEEL HOUSING	
5147246	GASKET	1
	SLEEVE, CRANKSHAFT REAR OIL SEAL	
8926134	SLEEVE, RR OUTBOARD SUPPORT	AR
	SUPPORT ASSY., CRANKSHAFT REAR	
8926137	SUPPORT ASSY. (INCLUDES BUSHING IN 1.5023)	1
8926136	BOLT, 3/8"-16X1"	12
	SEAL RING, CRANKSHAFT REAR SUPPORT	
5141017	SEAL RING	1
	BUSHING, CRANKSHAFT REAR SUPPORT	
8926133	BUSHING	1
	BRACKET, FLYWHEEL HOUSING TO HEAD SUPPORT	
5146308	BRACKET	1

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.5000A - FLYWHEEL, HOUSING		
5146310	BRACKET	1
8921936	BOLT, 7/16"-14X1.25" (W/SEAL PATCH) (12.9001)	2
427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4
5108436	WASHER, 7/16" (7.1598)	4
103322	LOCKWASHER, 7/16"	6
COVER, FLYWHEEL HOUSING LARGE HOLE		
5122281	COVER (1.5030)	2
100158	BOLT, 1/2"-13X1"	AR
5188224	BOLT, 7/16"-14X7/8" W/NYLON INSERT (12.9001)	AR
103343	WASHER, 1/2"	AR
5125108	WASHER, 7/16"X3/4" (2.4030)	AR
103322	LOCKWASHER, 7/16"	AR
103323	LOCKWASHER, 1/2"	AR
GASKET, FLYWHEEL HOUSING LARGE HOLE COVER		
23515145	GASKET AIR COMP 53/71/92 S50/60	2
COVER, FLYWHEEL HOUSING SMALL HOLE		
5154669	COVER (1.5050)	3
5101548	STUD, 3/8"-16/24X1.18"	AR
5103552	COVER, WITH 1/2" TAPPED HOLE	AR
5107677	COVER, F/W HSG SMALL HOLE (1.1020)	AR
186288	BOLT, 3/8"-16X4 1/2"	AR
186312	BOLT, 3/8"-24X4"	AR
8927578	BOLT, 3/8"-16X.755" (12.9001)	AR
8927580	BOLT 3/8"-16X1.015" (12.9001)	AR
186314	BOLT, 3/8"-24X4 1/4"	AR
186315	BOLT, 3/8"-24X4 1/2"	AR
186317	BOLT, 3/8"-24X5"	AR
5138619	WASHER, 25/64"X3/4"X.083" (4.1512)	AR
5152148	WASHER, 3/8"X9/16" (COPPER) (2.4050)	AR
103026	NUT, 3/8"-24	AR
103321	LOCKWASHER, 3/8"	AR
GASKET, FLYWHEEL HOUSING SMALL HOLE COVER		
5104507	GASKET (1.5060)	3
COVER, STARTING MOTOR HOLE		
5159938	* COVER	1
103325	* LOCKWASHER, 5/8"	3
428204	* BOLT, 5/8"-11X1" (12.9001)	3
* USED WHERE STARTING MOTOR IS NOT REQUIRED.		
1.6000 - CONNECTING ROD AND PISTON		
CONNECTING ROD ASSY.		
QUANTITIES SHOWN ARE FOR (1) CYLINDER. ROD ASSY. INCLUDES ITEMS IN 1.6001.		
R5104501	REMANUFACTURED 5104501	AR
5104501	ROD ASSY. (CROSSHEAD)	1
CONNECTING ROD ASSY.		
5117629	NUT, 7/16"-20	2
5132383	BOLT, 7/16"-20X3.52"	2
5117629	NUT, 7/16"-20	2
5132383	BOLT, 7/16"-20X3.52"	2
SHELL, CONNECTING ROD BEARING		
A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER BEARING SHELL.		
5149572	SHELL SET (STANDARD)	1
5149573	SHELL SET (.002" U.S.)	AR
5149575	SHELL SET (.010" U.S.)	AR
5149577	SHELL SET (.020" U.S.)	AR
5149579	SHELL SET (.030" U.S.)	AR
RING, CROSSHEAD PISTON SEAL		
8923729	RING, SEAL	1
PISTON ASSY.		
PISTON KIT INCLUDES SEAL RING IN 1.6106, CROWN IN 1.6110 PLUS PIN IN 1.6140, BEARING IN 1.6142 AND RETAINERS IN 1.6150.		
23505052	PISTON KIT, CROWN (15:1 TURBO)	1
23504353	CROWN, PISTON (15:1)	1

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.6000	- CONNECTING ROD AND PISTON	
23508986	SKIRT, PISTON	1
RING SET, PISTON		
RING SET CONSISTS OF SUFFICIENT RINGS FOR ONE (1) PISTON.		
23519512	SET PISTON RING LOW SOOT	1
RING, PISTON COMPRESSION		
23504772	RING, FIRE (WIDE GAP)	1
8923113	RING (NON-GROOVED)	2
RING, PISTON OIL CONTROL		
OIL CONTROL RING SET CONSISTS OF SCRAPERS AND EXPANDERS FOR ONE (1) PISTON.		
23519511	SET OIL CONTROL RINGS LOW SOOT	1
PIN, PISTON		
5101120	PIN, SOLID CORE	1
5144846	SPACER	2
5148373	BOLT, 7/16"-20X2.00" L. (12 POINT)	2
BEARING, PISTON PIN		
23501687	BEARING, (SLIPPER TYPE)	1
RETAINER, PISTON PIN		
5180250	RETAINER	2
LINER, CYLINDER		
23507231	LINER (.95" PORT HT.) (25 DEG. PORT ANGLE) (BRUSHE D)	1
CYLINDER KIT		
A KIT INCLUDES SEAL RING IN 1.6106, CROWN AND SKIRT IN 1.6110, RINGS IN 1.6 120 AND 1.6130, PIN IN 1.6142, RETAINERS IN 1.6150, LINER IN 1.6180 AND SEA L IN 1.6190.		
23514260	CYLINDER KIT 15:1 TURBO .95 BRUSHED LINER	AR
INSERT, CYLINDER LINER		
5148501	INSERT (STD.) (.1200"-.1205") (1.1038)	1
5148611	INSERT (.1212"-.1217") (1.1038) (ORANGE STRIPE)	AR
5148612	INSERT (.1188"-.1193") (1.1038) (PURPLE STRIPE)	AR
23509840	INSERT (+.1224"-.1229") (BROWN STRIPE)	AR
23509841	INSERT (+.1236"-.1241") (PINK STRIPE)	AR
23509842	INSERT (+.030") (.1500"-.1505")	AR
5101533	INSERT (+.015") (.1350"-.1355") (1.1038) (WHITE ST RIPE)	AR
5101723	INSERT (+.015") (.1338"-.1343") (1.1038) (WHITE + PURPLE STRIPE)	AR
5101727	INSERT (+.015") (.1362"-.1367") (1.1038) (WHITE + ORANGE STRIPE)	AR
SEAL, CYLINDER LINER		
8927189	SEAL	2
1.7000	- CAMSHAFT AND GEAR TRAIN	
CAMSHAFT ASSY.		
A CAMSHAFT ASSY. INCLUDES PLUGS IN 1.7001.		
8927244	CAMSHAFT ASSY., HONED (R.B. FRONT R.H. ENG.; L.B. REAR L.H. ENG.) (STAMPED 8927071) (16V)	1
8927245	CAMSHAFT ASSY., HONED (L. BANK FRONT, R.H. ENG.; R . BANK REAR, L.H. ENG.) (STAMPED 8927070) (16V)	1
8927246	CAMSHAFT ASSY., HONED (R.B. REAR R.H. ENG.; L.B. F RONT L.H. ENG.) (STAMPED 8927069) (16V)	1
8927247	CAMSHAFT ASSY., HONED (L.B. REAR R.H. ENG.; R.B. F RONT L.H. ENG.) (STAMPED 8927068) (16V)	1
5151277	PLUG, DRIVE	8
BEARING, CAMSHAFT END		
INCLUDES BUSHING IN 1.7015.		
R5111422	* REMANUFACTURED 5111422	AR
5111422	* BEARING, REAR (STD.)	4
R5194858	* REMANUFACTURED 5194858	AR
5194858	* BEARING, REAR (.010" U.S.I.D.)	AR

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.7000 - CAMSHAFT AND GEAR TRAIN		
5197237	* BEARING, REAR (.010" O.S.O.D., .010" U.S.I.D.)	AR
5197238	* BEARING, REAR (.010" O.S.O.D., .020" U.S.I.D.)	AR
R5194859	REMANUFACTURED 5194859	AR
5194859	* BEARING, REAR (.020" U.S.I.D.)	AR
R5103930	REMANUFACTURED 5103930	AR
5103930	BEARING, CAMSHAFT (1.7010)	4
5149353	BEARING, INNER (.010" U.S.I.D.) (12V, 16V)	AR
5149354	BEARING, INNER (.020" U.S.I.D.) (12V, 16V)	AR
103321	LOCKWASHER, 3/8"	12
186622	BOLT, 3/8"-16 X 1.25"	12
* FRONT AND REAR FOR 12V AND 16V.		
BUSHING, CAM AND BALANCE SHAFT END		
5111423	* BUSHING (STD.)	8
5194825	BUSHING (.020" U.S., UNFINISHED)	AR
5197110	@ BUSHING, INNER (.020" U.S., UNFINISHED)	AR
* FRONT AND REAR FOR 12V AND 16V.		
@ MAY BE FINISHED TO STD. OR .010" U.S.		
WASHER, CAM AND BALANCE SHAFT END BEARING THRUST		
5111424	WASHER (STD.)	8
5194826	WASHER (.005" O.S.)	AR
5194827	WASHER (.010" O.S.)	AR
BEARING, CAMSHAFT INTERMEDIATE		
A BEARING SET CONSISTS OF (1) UPPER AND (1) LOWER BEARING.		
5196026	BEARING SET (STD.)	12
5196027	BEARING SET (.010" U.S.I.D.)	AR
5196028	BEARING SET (.020" U.S.I.D.)	AR
5196029	BEARING SET (.010" O.S.O.D.)	AR
RING, CAMSHAFT AND ACCESSORY SHAFT INTERMEDIATE BEARING LOCK		
5115572	RING	24
8927479	BOLT, 3/8"-24X.62"	12
GEAR, BLOWER DRIVE STEP-UP		
5144911	GEAR (R.B. CAMSHAFT)	2
9409036	BOLT, 3/8"-24 X 1.125" (12.9001)	10
GEAR, CAMSHAFT AND BALANCE SHAFT		
DO NOT MIX NITRIDE HARDENED GEARS WITH NON-NITRIDE HARDENED GEARS ON THE SAME GEAR TRAIN.		
5147300	GEAR (R.H. HELIX)	2
5147817	GEAR (L.H. HELIX)	2
8926247	KEY, 1/4"X3/4" WOODRUFF (12.9350)	4
5150087	NUT, 1 1/8"-18 (1.7140)	4
RETAINER, CAM AND BALANCE SHAFT GEAR NUT		
5172734	RETAINER	4
186627	BOLT, 3/8"-24X1"	16
103321	LOCKWASHER, 3/8"	16
GEAR ASSY., IDLER		
DO NOT MIX NITRIDE HARDENED GEARS WITH NON-NITRIDE HARDENED GEARS ON THE SAME GEAR TRAIN.		
GEAR ASSY. INCLUDES ITEMS IN 1.7222 THRU 1.7250.		
5199383	GEAR ASSY. (L.H. HELIX)	2
GEAR, IDLER		
DO NOT MIX NITRIDE HARDENED GEARS WITH NON-NITRIDE HARDENED GEARS ON THE SAME GEAR TRAIN.		
5113817	GEAR (L.H. HELIX)	2
BEARING, IDLER GEAR		
7451948	BEARING	2
SPACER, IDLER GEAR BEARING		
7451792	SHIM, .117"-.118"	AR
7451794	SHIM, .119"-.120"	AR
7451796	SHIM, .121"-.122"	AR
7451798	SHIM, .123"-.124"	AR
7451800	SHIM, .125"-.126"	AR

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.7000	- CAMSHAFT AND GEAR TRAIN	
7451802	SHIM, .127"-.128"	AR
7451804	SHIM, .129"-.130"	AR
7451806	SHIM, .131"-.132"	AR
RETAINER, IDLER GEAR BEARING		
5176998	RETAINER	2
5103534	BOLT, 5/16"-24X1/2" (VIBRA-TITE COATED)	12
HUB, IDLER GEAR		
HUB ASSY. INCLUDES DOWEL IN 1.7250.		
5130135	HUB ASSY.	2
454992	BOLT, 1/2"-13X2 1/2" (12.9001)	2
5151444	DOWEL (1.7250)	2
5167714	WASHER, 17/32"X7/8"X3/32" (1.7250)	2
SPACER, IDLER GEAR HOLE		
5101150	SPACER	2
454992	BOLT, 1/2"-13X2 1/2" (12.9001)	2
5167714	WASHER, 17/32"X7/8"X3/32" (1.7250)	2
GEAR, BLOWER DRIVE		
A GEAR ASSY. INCLUDES BUSHING IN 1.7431.		
DO NOT MIX NITRIDE HARDENED GEARS WITH NON-NITRIDE HARDENED GEARS ON THE SAME GEAR TRAIN.		
5144949	GEAR ASSY. (L.H. HELIX; 33 TEETH)	2
BUSHING, BLOWER DRIVE GEAR		
5139143	BUSHING	4
PLATE, BLOWER DRIVE GEAR THRUST		
5144946	PLATE	2
5103455	BOLT, 5/16"-18X1 1/4" (12.9001)	6
WASHER, BLOWER DRIVE GEAR THRUST		
5138984	WASHER	2
SUPPORT, BLOWER DRIVE		
SUPPORT ASSY. INCLUDES DOWELS IN 1.7435.		
145627	BALL CHROME	8
5150271	BOLT, CRANKSHAFT COVER	2
5145162	SUPPORT ASSY.	2
8925438	BOLT, 3/8"-24X7/8" (12.9001)	2
5152148	WASHER, 3/8"X9/16" (COPPER) (2.4050)	4
GASKET, BLOWER DRIVE SUPPORT		
5148810	GASKET (1.7646)	2
HUB, BLOWER DRIVE GEAR		
8922520	HUB (29 TEETH)	1
8922521	HUB (29 TEETH)	1
PLATE, BLOWER DRIVE GEAR HUB		
5146537	BOLT, 3/8"-24X3/8" LOCK (12.9001)	6
8920766	PLATE, FLEX.	4
8923571	BOLT, 3/8"-24X.925" (3.4135)	6
1.8000	- VALVE AND INJECTOR OPERATING MECHANISM	
ARM ASSY., EXHAUST VALVE ROCKER		
ARM ASSY. INCLUDES ITEMS IN 1.8100, 1.8120, 1.8130, 1.8140 AND 1.8150.		
R5148472	REMANUFACTURED 5148472	AR
5148472	ARM ASSY. (LEFT)	16
R5148475	REMANUFACTURED 5148475	AR
5148475	ARM ASSY. (RIGHT)	16
ARM ASSY., INJECTOR ROCKER		
ARM ASSY. INCLUDES ITEMS IN 1.8110, 1.8130, 1.8140 AND 1.8150.		
R8923554	REMANUFACTURED 8923554	AR
8923554	ARM ASSY.(UNBUSHED CLEVIS) (IDENTIFICATION-ORANGE E INK)	16
BUSHING, EXHAUST VALVE ROCKER ARM-LARGE		

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.8000 - VALVE AND INJECTOR OPERATING MECHANISM		
23517217	BUSHING VLV RKR ARM LRG	32
BUSHING INJECTOR ROCKER ARM-LARGE		
5150318	BUSHING	16
BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM-SMALL		
5150311	BUSHING	32
CLEVIS, INJECTOR AND EXHAUST VALVE ROCKER ARM		
5150312	CLEVIS	48
BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS		
5123700	BUSHING, .44"I.D.X.56"O.D.	48
PIN, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS		
5150314	PIN (PUSH ROD END)	48
SHAFT ASSY., ROCKER		
5150322	SHAFT ASSY. (INCLUDES PLUG)	16
5151272	PLUG, 11/32" SPECIAL (1.8160)	16
BRACKET, ROCKER SHAFT		
5103903	BRACKET	32
5150325	BOLT, 1/2"-13X4 1/4"	32
ROD, PUSH		
5128640	ROD	48
5151601	NUT, 5/16"-24 LOCK	48
SPRING, PUSH ROD		
5108918	SPRING (2.62" FREE LENGTH, .192" WIRE DIA., 10.5 C	48
SEAT, PUSH ROD SPRING-UPPER		
5108919	SEAT	48
SEAT, PUSH ROD SPRING-LOWER		
5123250	SEAT	48
RETAINER, PUSH ROD		
5150303	RETAINER (SNAP RING)	48
FOLLOWER ASSY., CAM		
R8924439	REMANUFACTURED 8924439	AR
8924439	FOLLOWER ASSY. (INCLUDES ROLLER SET)	48
ROLLER SET, CAM FOLLOWER		
ROLLER SET INCLUDES ROLLER WITH BUSHING AND PIN.		
8923814	ROLLER SET	48
GUIDE, CAM FOLLOWER		
5106413	GUIDE	16
103319	LOCKWASHER, 1/4"	32
443603	BOLT, 1/4"-20X3/4" (12.9001)	32
VALVE, EXHAUST		
5149771	VALVE KIT, INCLUDES LOCKS (TURBO AND NON-TURBO) (IDENTIFICATION-U)	64
GUIDE, EXHAUST VALVE		
5129919	GUIDE, EXHAUST VALVE (1.8320)	64
8921209	SEAL ASSY.	64
INSERT, EXHAUST VALVE		
5148490	INSERT, EXHAUST VALVE (1.8330)	64
5101315	INSERT (.010" O.S., O.D.)	AR
SPRING, EXHAUST VALVE		
5147347	SPRING (1.97" FREE L. 8.8 COILS, R.H. HELIX, .148" WIRE D.)(1 OR 2 YELLOW STRIPES OR 1 YEL. & 1 BLUE)	64
BRIDGE, EXHAUST VALVE		
5148491	BRIDGE	32

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.8000	- VALVE AND INJECTOR OPERATING MECHANISM	
5129101	SCREW, 5/16"-24X1" (ADJUSTING)	32
5151601	NUT, 5/16"-24 LOCK	32
	GUIDE, EXHAUST VALVE BRIDGE	
5117564	GUIDE, EXHAUST VALVE BRIDGE (1.8345)	32
	CAP, EXHAUST VALVE SPRING	
5117563	CAP	64
	SEAT, EXHAUST VALVE SPRING	
5117562	WASHER, 1/2"X15/16"X1/16" (1.8360)	64
	LOCK, EXHAUST VALVE SPRING	
5111337	LOCK (HALVES)	128
1.8000A	- ROCKER COVER	
	COVER ASSY., ROCKER	
5103572	COVER (CAST ALUM.) (16V) (FIG. A)	3
5104166	COVER (CAST ALUM.) (RB) (8V) (FIGS. A&E)	1
	INSTALLATION KIT, CAST ROCKER COVER	
	A KIT INCLUDES ITEMS IN 1.8455, 1.8460, 1.8461 AND 1.8502.	
5149511	INSTALLATION KIT (FOR USE ON 4-CYLINDER HEAD)	AR
	GASKET, ROCKER COVER	
5104081	GASKET (8V, 16V)	4
	BOLT, ROCKER COVER	
5104015	* BOLT, 3/8"-16X6.57"	8
5104514	WASHER, 3/8"	8
	* DEDUCT (1) 5104015 AND ADD (1) 5103635 WHEN THROTTLE DELAY IS USED.	
	ISOLATOR, ROCKER COVER BOLT	
5104515	ISOLATOR	8
	PLATE, OPTION AND ACCESSORY NAME	
5104282	* PLATE	AR
	* NOT SERVICED BY DDC FOR REPLACEMENT PLATE CONTACT YOUR LOCAL DISTRIBUTOR AND PROVIDE ENGINE SERIAL NUMBER.	
	RETAINER, ROCKER COVER NAME PLATE	
8927232	RETAINER	2
145382	= SCREW, #8X3/8" RD. HD. DRIVE	4
	= OBSOLETE.	

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
2.1000A - FUEL INJECTOR/CNG CONTROLS		
INJECTOR ASSY.		
NOTE: QUANTITIES SHOWN ARE PER CYLINDER. SEE ASSEMBLY BREAKDOWNS AS INDICATED		
5235905	INJECTOR ASSY. (142 CMM)	8
CLAMP, INJECTOR		
5121259	CLAMP	8
179847	BOLT, 3/8"-16X1/2"	8
5150250	WASHER, INJECTOR CLAMP	8
2.2000 - FUEL PUMP		
PUMP ASSY., FUEL		
SEE ASSEMBLY BREAKDOWN PAGE A1. A PUMP KIT INCLUDES A 3/8" INLET PUMP, 5145009 PLUGS IN 2.2001, GASKET IN 2.2007 AND RED. BUSHING IN 2.2030.		
5198558	BUSHING, 3/8"X1/4" RED. (FACE)	1
R5199735	REMANUFACTURED 5199735	AR
5199735	PUMP KIT (L.H., 3/8" INLET, HIGH CAP)	1
GASKET, FUEL PUMP TO ENGINE		
5150193	GASKET (FUEL PUMP TO DRIVE ASSY.) (5.1010)	1
BODY, FUEL PUMP		
141195	PIN, 1/4"X5/8" DOWEL	2
5136241	PLUG, CAP (.580" DIA.) (2.2001)	3
5146339	BODY	1
8924380	PLUG, 1/8"-27 PIPE (12.9550)	2
COVER, FUEL PUMP		
120380	LOCKWASHER, 1/4"	4
179803	BOLT, 1/4"-20 X 1 3/4"	4
3719219	SCREW AND WASHER ASSY. 1/4"-20 X 3/4"	4
5100301	COVER	1
5198558	BUSHING, 3/8"X1/4" RED. (FACE)	1
SEAL, FUEL PUMP OIL		
23512243	SEAL, OIL SGL LIP	2
GEAR, FUEL PUMP DRIVE		
147481	BALL, 1/8" DIA. STEEL	1
5128217	GEAR, 3/8" WIDE (2.2087)	1
SHAFT, FUEL PUMP DRIVEN		
A SHAFT ASSY. INCLUDES GEAR WHICH IS NOT SOLD SEPARATELY.		
5100313	SHAFT ASSY.	1
SHAFT, FUEL PUMP DRIVE		
A SHAFT ASSY. INCLUDES SHAFT IN 2.2093 AND ITEMS IN 2.2087.		
5146705	SHAFT ASSY. (DRIVE)	1
5178700	SHAFT	1
VALVE ASSY., FUEL PUMP		
103709	PIN, .15 X 1" STRAIGHT	1
5174973	VALVE	1
SPRING, FUEL PUMP VALVE RETAINING		
5184530	SPRING	1
PLUG, FUEL PUMP VALVE		
5174971	PLUG	1
GASKET, FUEL PUMP VALVE PLUG		
5161003	GASKET	1
8924380	PLUG, 1/8"-27 PIPE (12.9550)	2
8924517	PLUG, 3/8"-18 SQ. SOC. VIBRA SEAL (12.9550)	1
8925603	BOLT, 5/16"-18X3/4" (W/SEAL) (12.9001).	3
23515416	PUMP ASM FUEL LH STMP Q * 3/8 GEAR	1
5108067	NS PUMP ASSY. L.H., 3/8" INLET	1
BODY, FUEL PUMP		
5146339	BODY	1
8929819	PIN, 1/4" X 5/8" DOWEL	2
COVER, FUEL PUMP		
103319	LOCKWASHER, 1/4"	4
23511316	BOLT, 1/4"-20 X 3/4" (W/LW)	4
23515644	BOLT 1/4-20 X 1.75 HEX HD FLANGE	4
5100301	COVER	1
SEAL, FUEL PUMP OIL		
23512243	SEAL, OIL SGL LIP	2
SHAFT, FUEL PUMP DRIVEN		
A SHAFT ASSY. INCLUDES GEAR WHICH IS NOT SOLD SEPARATELY.		
5100313	SHAFT ASSY.	1
SHAFT, FUEL PUMP DRIVE		
A SHAFT ASSY. INCLUDES SHAFT IN 2.2093 AND ITEMS IN 2.2087.		

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
2.2000 - FUEL PUMP		
5146705	SHAFT ASSY. (DRIVE)	1
VALVE ASSY., FUEL PUMP		
103709	PIN, .15 X 1" STRAIGHT	1
5174973	VALVE	1
SPRING, FUEL PUMP VALVE RETAINING		
5184530	SPRING	1
PLUG, FUEL PUMP VALVE		
5174971	PLUG	1
GASKET, FUEL PUMP VALVE PLUG		
5161003	GASKET	1
OVERHAUL KIT, FUEL PUMP		
OVERHAUL KIT INCLUDES 5136240 AND 5136241 PLUGS IN 2.2001 PLUS ITEMS IN 2.2007, 2.2070, 2.2087, 2.2089, 2.2093, 2.2130, 2.2160 AND 2.2180.		
5149599	OVERHAUL KIT (HIGH CAP.)	AR
GASKET, FUEL PUMP TO ENGINE		
5150193	GASKET (FUEL PUMP TO DRIVE ASSY.) (5.1010)	1
FORK, FUEL PUMP COUPLING		
5102257	FORK	1
2.3000A - FUEL FILTER AND STRAINER		
STRAINER ASSY., FUEL		
FOR STRAINER ASSY. COMPONENTS SEE ASSEMBLY BREAKDOWN PAGE A1.		
25011424	STRAINER ASSY., FUEL (T-96) (SPIN-ON)	1
23518528	FILTER, FUEL PRIMARY	1
8924517	PLUG, 3/8"-18 SQ. SOC. VIBRA SEAL (12.9550)	3
5115214	PLUG, 1/2"-14 PIPE (12.9550)	1
FILTER ASSY., FUEL		
SEE ASSEMBLY BREAKDOWN PAGE B1.		
25011425	FILTER ASSY., FUEL (T-97) (SPIN-ON)	1
23518532	FILTER, FUEL SECONDARY	1
8924517	PLUG, 3/8"-18 SQ. SOC. VIBRA SEAL (12.9550)	2
5115214	PLUG, 1/2"-14 PIPE (12.9550)	1
179848	BOLT, 3/8"-16X2 1/4"	4
103341	WASHER, 3/8"	8
103321	LOCKWASHER, 3/8"	4
102635	NUT, 3/8"-16	4
BRACKET, FUEL FILTER MOUNTING		
5143709	BRACKET	1
114926	BOLT, 3/8"-16X4 1/4" (12.9001)	4
2.4000 - FUEL MANIFOLD AND/OR CONNECTIONS		
PIPE, FUEL		
QUANTITIES SHOWN ARE PER CYLINDER.		
23511850	TUBE ASSY., SHORT	1
23511851	TUBE ASSY., LONG	1
23503764	KIT, FUEL PIPE REPLACEMENT	AR
CONNECTOR, FUEL PIPE		
5117369	CONNECTOR	2
WASHER, FUEL PIPE CONNECTOR		
5125108	WASHER, 7/16"X3/4" (2.4030)	2
2.5000A - FUEL LINES AND FUEL COOLER		
TUBE, STRAINER TO FUEL PUMP		
5199577	HOSE, BULK #10X25 FT. (12.8550) (CUT L. 54")	1
5199581	FITTING, #10 HOSE (7/8"-18 MALE INV. FL.)(STRAIGHT) T) (12.8552)	1
5199590	FITTING, #10 HOSE (7/8"-18 MALE INV. FL.)(90 DEG.)) (12.8552)	1
8924219	ELBOW, 5/8"-90 DEG. INV. FL. TUBE; 3/8" PIPE 480)	2

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
2.5000A - FUEL LINES AND FUEL COOLER		
HOSE, FUEL PUMP TO FILTER		
5199576	HOSE, BULK #8X25 FT. (12.8550) (CUT L. 43")	1
5199580	FITTING, #8 HOSE (3/4"-18 MALE INV. FL.)(STRAIGHT) (12.8552)	1
5199589	FITTING, #8 HOSE (3/4"-18 MALE INV. FL.) (90 DEG.) (12.8552)	1
8924155	ELBOW, 1/2"-90 DEG. INV. FL. TUBE; 3/8" PIPE 480)	1
8924169	CONNECTOR, 1/2" INV. FL. TUBE; 3/8" PIPE (12.9460)	1
CLIP, FUEL PUMP TO FILTER HOSE		
2488022	CLIP, 3/8" BOLT (12.8554)	2
5143841	BRACKET (2.5180)	2
5159347	SPACER, 13/32"X3/4"X1/2" (7.1581)	2
186622	BOLT, 3/8"-16 X 1.25"	2
8921932	BOLT, 3/8"-16X1.25" (W/SEAL PATCH) (12.9001)	2
103341	WASHER, 3/8"	4
103321	LOCKWASHER, 3/8"	4
102635	NUT, 3/8"-16	2
CLIP, FILTER OUTLET TUBE		
2362448	CLIP .688" DIA 3/8" BOLT CTD (12.8554)	2
2488022	CLIP, 3/8" BOLT (12.8554)	2
5146788	CLIP, 5/8" HOSE (2.5070)	2
5143841	BRACKET (2.5180)	2
5159347	SPACER, 13/32"X3/4"X1/2" (7.1581)	2
8921932	BOLT, 3/8"-16X1.25" (W/SEAL PATCH) (12.9001)	2
8927579	BOLT, 3/8"-16X.88" (W/SEAL PATCH) (12.9001)	2
103341	WASHER, 3/8"	2
103321	LOCKWASHER, 3/8"	4
102635	NUT, 3/8"-16	2
HOSE, FILTER TO CYLINDER HEAD		
5199575	HOSE, BULK #6X25 FT. (12.8550) (CUT L. 22")	1
5199575	HOSE, BULK #6X25 FT. (12.8550) (CUT L. 54")	1
5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.)(STRAIGHT) (12.8552)	2
5199588	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (90 DEG.) (12.8552)	2
8925030	ELBOW, 90 DEG. 3/8" INV. FL. TUBE (12.9480)	1
8924217	ELBOW, 3/8" 90 DEG. INV. FL. TUBE (12.9480)	2
5144358	CONNECTOR, FR TO RR HEADS (INCLUDES 5144955 ADAPTO R)	4
8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1
8924172	ADAPTOR, 1/4"-18 PIPE (12.9565)	1
TUBE, JUNCTION BLOCK TO CYLINDER HEAD		
5199575	HOSE, BULK #6X25 FT. (12.8550) (CUT L. 31")	1
5199575	HOSE, BULK #6X25 FT. (12.8550) (CUT L. 43")	1
5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.)(STRAIGHT) (12.8552)	2
5199583	FITTING, #6 HOSE (1/2"-20 MALE INV. FL.)(STRAIGHT) (12.8552)	1
5199592	FITTING, #6 HOSE (1/2"-20 MALE INV. FL.) (90 DEG.) (12.8552)	1
8924185	ELBOW, 5/16"-90 DEG. TUBE; 1/4" PIPE (.070" REST.) (2.5210)	1
8925030	ELBOW, 90 DEG. 3/8" INV. FL. TUBE (12.9480)	2
8925538	CONNECTOR, 5/16" INV. FL. TUBE (.70" REST.) (2.521 0)	1
CLIP, CYLINDER HEAD INLET		
2488022	CLIP, 3/8" BOLT (12.8554)	3
HOSE, FUEL DRAIN		
5199575	HOSE, BULK #6X25 FT. (12.8550) (CUT L. 12")	1

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
2.5000A - FUEL LINES AND FUEL COOLER		
5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.)(STRAIGHT)) (12.8552)	2
8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1
8924217	ELBOW, 3/8" 90 DEG. INV. FL. TUBE (12.9480)	1
BLOCK, FUEL SYSTEM JUNCTION		
5104513	BLOCK	1
5196119	SPACER, 13/32"I.D.X7/8"O.D.X.38" THK (3.4001)	2
186289	BOLT, 3/8"-16 X 5.00"	2
8923847	PLUG, PIPE 1/4-18" NPTF	2
SHIELDING, FLEXIBLE HOSE		
5101020	STRAP, NYLON (2.5255)	4
2.6000B - ELECTRIC GOVERNOR		
ACTUATOR ASSY., GOVERNOR		
THE COMPLETE ASSY. IS SERVICED BY DETROIT DIESEL. FOR COMPONENT PARTS CONTACT BARBER-COLEMAN CO. OR WOODWARD GOVERNOR AND FURNISH THEIR PART NUMBER SHOWN IN PARENTHESES.		
138202	SCREW, 1/4"-20X1" SOC.	4
103319	LOCKWASHER, 1/4"	4
23513192	ACTUATOR (BARBER COLEMAN #DYNC 12101-024)	1
LEVER ASSY., ACTUATOR		
103345	WASHER, 5/8"	1
23515367	WASHER, THREADSEAL 5/8	1
106261	WASHER, 5/16"X3/4"	2
124824	NUT, 5/16"-18 JAM	1
186624	BOLT, 5/16"-18 X 1 1/4"	1
23513190	LEVER ASSY.	1
ROD ASSY., ACTUATOR CONTROL		
23513184	SPACER	1
23513185	ROD ASSY. CONTROL	1
BRACKET, ACTUATOR MOUNTING		
103320	LOCKWASHER, 5/16"	6
186629	BOLT, 5/16"-18 X 1"	6
23518753	PLATE, ACTUATOR MOUNT	1
GASKET, ACTUATOR CONTROL HOUSING MOUNTING		
8927412	GASKET (2.8760)	1
HOUSING ASSY., ACTUATOR DRIVE		
SEE ASSEMBLY BREAKDOWN PAGE A1.		
5109136	HOUSING ASSY. (FRONT BLOWER) (2.8750)	1
HOUSING ASSY., ACTUATOR DRIVE		
274694	RING, RETAINING (2.8811)	1
5123453	SEAL, OIL (7.4458)	1
5124332	TUBE, CONTROL LINK COVER (2.7230)	2
5127647	BEARING, SPHERICAL (2.8811)	1
5187641	WASHER, 25/64"X1 1/8"X1/16" (1.7605)	1
HOUSING, ACTUATOR DRIVE		
5131244	HOUSING (2.8780)	1
LEVER, ACTUATOR CONTROL LINK OPERATING		
5127758	SHAFT ASSY.	1
5150894	PIN, 25/32" L. (2.7315)	2
8928537	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1
8923787	HOUSING ASSY. (REAR BLOWER) (2.8750)	1
HOUSING ASSY., ACTUATOR DRIVE		
274694	RING, RETAINING (2.8811)	1
274900	RING, RETAINING 1 3/8" (2.8795)	1
5123453	SEAL, OIL (7.4458)	1
5124332	TUBE, CONTROL LINK COVER (2.7230)	2
5127647	BEARING, SPHERICAL (2.8811)	1
5150942	PIN, 3/16"X7/16" DOWEL (2.7230)	2
5187641	WASHER, 25/64"X1 1/8"X1/16" (1.7605)	1
HOUSING, ACTUATOR DRIVE		
5109131	HOUSING (2.8780)	1
LEVER, ACTUATOR CONTROL LINK OPERATING		
5127757	SHAFT ASSY.	1
5150894	PIN, 25/32" L. (2.7315)	2

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
2.6000B - ELECTRIC GOVERNOR		
8928537	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1
5109149	COVER, DRIVE HOUSING (2.8780)	1
8924266	GASKET (3.4190)	2
8927412	GASKET (2.8760)	1
186625	BOLT, 5/16"-18X7/8"	6
5101196	BOLT, 5/16"-18X9/16" (W/SEAL PATCH) (3.5436)	9
179827	BOLT, 5/16"-18 X 2 1/4"	12
186271	BOLT, 5/16"-18X3 3/4"	2
186272	BOLT, 5/16"-18X4"	2
186274	BOLT, 5/16"-18X5"	2
5155596	WASHER, 21/64" SPECIAL COPPER (4.7120)	20
103320	LOCKWASHER, 5/16"	6
HOUSING, ACTUATOR DRIVE		
5124333	COVER ASSY., GOVERNOR FUEL ROD	4
5123812	GASKET (1.2060)	4
8924267	HOSE, 1" I.D.X1.16" L.	4
10019739	CLAMP, HOSE (SNAP TYPE)	8
8921930	BOLT, 1/4"-20X.75" (W/SEAL PATCH) (12.9001)	8
120392	WASHER, 1/4"	8
LEVER, ACTUATOR DRIVE HOUSING SHAFT		
5127379	LEVER, CONTROL LINK SHAFT (2.8965)	1
8928537	KEY, 3/32"X1/2" WOODRUFF (12.9350)	2
179796	BOLT, 1/4"-20X7/8"	4
186625	BOLT, 5/16"-18X7/8"	1
103319	LOCKWASHER, 1/4"	4
106261	WASHER, 5/16"X3/4"	2
COVER, GOVERNOR HOLE		
5150268	COVER (PLAIN)	12
120392	WASHER, 1/4"	24
5104089	BOLT, 1/4"-20X1/2" (W/SEAL PATCH) (12.9001)	24
GASKET, GOVERNOR HOLE COVER		
5123812	GASKET (1.2060)	12
PICKUP ASSY., MAGNETIC		
8923744	PICKUP ASSY.	1
2.9000 - INJECTOR CONTROLS		
TUBE ASSY., INJECTOR CONTROL		
A TUBE ASSY. INCLUDES ONE BRACKET IN 2.9003, AND ALL ITEMS IN 2.9007 THRU 2.9010.		
5149076	TUBE ASSY. (8V, 16V) (LB)	2
5149075	TUBE ASSY. (8V, 16V) (RB)	2
BRACKET, INJECTOR CONTROL TUBE		
5130509	BRACKET	8
9422203	BOLT, 1/4"-20X5/8" (12.9001)	16
SHAFT, INJECTOR CONTROL TUBE END		
5150259	SHAFT (1.06" L.)	4
142487	PIN, 1/8"X7/8" GROOVE (12.9270)	4
5150258	SHAFT (1.88" L.)	4
LEVER, INJECTOR CONTROL TUBE		
5150263	LEVER	4
142486	PIN, 1/8"X3/4" GROOVE (12.9270)	4
SPACER, INJECTOR CONTROL TUBE LEVER		
5150843	SPACER	4
SPRING, INJECTOR CONTROL TUBE		
5124142	SPRING, RETURN (GREEN)	4
5101258	SPRING (L.H. HELIX) (GREEN)	4
5101295	SPRING (R.H. HELIX) (ORANGE)	12
LEVER, INJECTOR CONTROL TUBE RACK		
5101397	LEVER	16
5101392	SCREW, 1/4"-28X.90"	16

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
2.9000 - INJECTOR CONTROLS		
120613	NUT, 1/4"-28 JAM	16
LINK, INJECTOR CONTROL TUBE TO GOVERNOR		
5127415 @	LINK (LONG) (LEFT BANK-REAR)	1
5127416	LINK (LONG) (LEFT BANK-FRONT)	1
5127417	LINK (SHORT) (RIGHT BANK-REAR)	1
5127418	LINK (SHORT) (RIGHT BANK-FRONT)	1
5147091	LINK	1
5147345	PIN, 1/4"X49/64" CLEVIS (2.9022)	4
103361	PIN, 1/16"X1/2" COTTER	4
142583	RETAINER, 13/64" SPRING (12.9460)	4
5150941	WASHER, 21/64" (2.7310)	4
@ LEFT BANK REAR ON 16V.		

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
3.3000A - AIR INLET HOUSING		
HOUSING, AIR INLET		
8926714	HOUSING	2
5142549	PLUG, 3/4" PIPE SQ. SOC. (12.9550)	2
8927582	BOLT, 3/8"-16X1.255" (12.9001)	8
103341	WASHER, 3/8"	8
103321	LOCKWASHER, 3/8"	8
ADAPTOR, AIR INLET HOUSING		
5134835	ADAPTOR	2
8923847	PLUG, PIPE 1/4-18" NPTF	2
8927582	BOLT, 3/8"-16X1.255" (12.9001)	12
103341	WASHER, 3/8"	12
103321	LOCKWASHER, 3/8"	12
GASKET, AIR INLET HOUSING		
5134838	GASKET	2
3.4000 - BLOWER AND DRIVE		
BLOWER ASSY.		
R23503027	REMANUFACTURED 23503027	AR
23503027	BLOWER ASSY. (8V, 16V) (MIDI BYPASS 100% DISP.-TUR	2
HOUSING, BLOWER		
8921937	HOUSING	1
ROTOR, BLOWER IMPELLER		
ROTOR ASSY. INCLUDES		
23503028	PLUG IN 3.4030 AND SHAFT AND PIN IN 3.4035.	1
23503029	ROTOR ASSY. (L.H. HELIX)	1
9428477	ROTOR ASSY. (R.H. HELIX)	12
SHAFT, BLOWER IMPELLER		
142522	PIN, 1/4"X1 3/4" GROOVE (12.9270)	4
5117071	SHAFT, 4.22" L. (REAR)	1
5142412	SHAFT (FRONT)	1
5150216	SHAFT, 4 9/16" L. (REAR)	2
PLUG, BLOWER ROTOR SHAFT		
5150829	PLUG, 7/8" CUP (4.8001)	1
BEARING, BLOWER ROTOR FRONT		
23503542	BEARING	2
RETAINER, BLOWER ROTOR FRONT BEARING		
5147147	RETAINER	2
5148794	SCREW, 1/4"-20X5/8" FL. HD.	6
BEARING, BLOWER ROTOR REAR		
23504304	BEARING	2
RETAINER, BLOWER ROTOR REAR BEARING		
5141605	RETAINER (3.4050)	2
5148794	SCREW, 1/4"-20X5/8" FL. HD.	6
GEAR SET, BLOWER ROTOR		
5141468	SPACER, .140" L.	2
5146049	SPACER, .340" L. (3.4103)	2
5196321	GEAR SET	1
9409060	BOLT, 1/2"-20 X 1 1/2" (12.9001)	2
SHIM, BLOWER ROTOR GEAR		
5150372	SHIM, .002"	AR
5150855	SHIM, .005"	AR
5150856	SHIM, .010"	AR
5153938	SHIM, .003"	AR
PLATE, BLOWER HOUSING END		
117296	SCREW, 5/16"-18X1 1/2" FIL. HD. SL.	4
5109389	STRAINER, OIL	1
5127477	SLEEVE	2
5147150	PLATE, FRONT	1
5150542	PIN, .308"X2" DOWEL	4
8924380	PLUG, 1/8"-27 PIPE (12.9550)	2
8927076	PLATE, REAR (BYPASS)	1
SEAL, BLOWER HOUSING END PLATE		
23500533	SEAL KIT	1
23503027	BLOWER ASSY. (8V, 16V) (MIDI BYPASS 100% DISP.-TUR	2
187491	BOLT, 3/8"-16X5 1/2"	12
23503782	BOLT, 7/16"-14X8 1/2" (12.9001)	8
5121814	WASHER, BOLT RETAINER	12
5121905	WASHER, 15/32" DIA. HOLE	8

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
3.4000	- BLOWER AND DRIVE	
	BLOWER KIT, INSTALLATION	
	A BLOWER INSTALLATION KIT INCLUDES GASKET IN 1.5060, 2.2007, 2.7051, 2.7900, 3.3010, 3.4010, 3.4025, 3.4190, WASHER IN 1.7435, 2.7001, HOSE AND CLAMP IN 2.7030, HOSE IN 2.7892, SEAL IN 3.4001, 3.4192, 3.4220 AND 3.5001.	
5149645	BLOWER KIT (16V) (TURBO AND NON-TURBO)	AR
	BLOWER KIT, REPAIR	
	BLOWER REPAIR KIT INCLUDES ITEMS IN 3.4040, 3.4060, 3.4090, LOCKWASHERS IN 3.4110, 3.4158, 3.4159, 3.4160 AND 3.4163.	
23514202	BLOWER KIT (LARGE BEARING)	AR
	GASKET, BLOWER	
23520012	GASKET BLOWER TO BLOCK 8-16V 71 92	2
	SCREEN, BLOWER	
5102062	GASKET (LESS SCREEN)	2
	DISC, BLOWER ROTOR FUEL PUMP COUPLING	
8924426	DISC	2
182776	BOLT, 1/2"-20X1 1/4"	2
5154398	LOCKWASHER, 1/2" EXT. TOOTH (3.4080)	2
	SPACER, BLOWER ROTOR FUEL PUMP COUPLING DISC	
8925674	SPACER	2
	VALVE ASSY., BLOWER (BYPASS)	
23508370	VALVE ASSY.	2
8924436	HOSE, 1/4"X5.38"	2
8924802	ELBOW, 90 DEG. HOSE BARB (3.4144)	2
	SEAL, BLOWER VALVE (BYPASS)	
8923959	SEAL, 1.114"X.070"	2
	CLAMP, BLOWER VALVE (BYPASS)	
8927183	CLAMP	2
8924968	CLAMP, .50" HOSE (12.9660)	4
8927579	BOLT, 3/8"-16X.88" (W/SEAL PATCH) (12.9001)	4
	COVER, BLOWER HOUSING END PLATE	
5148179	COVER (LESS TACH. HOLE; ALUM.)	2
179828	BOLT, 5/16"-18X.2 1/2"	9
103320	LOCKWASHER, 5/16"	9
	GASKET, BLOWER HOUSING END PLATE COVER	
8924266	GASKET (3.4190)	2
	TUBE, BLOWER OIL SUPPLY	
23500499	ADAPTOR, 1/8"-27X3.60"	1
23500514	CONNECTOR ASSY., 1/8"-27 (INCLUDES CONNECTOR, SEAL & NUT SHOWN IN 3.4192)	1
8927414	SEAL, RING 1/4" I.D. (IDENTIFICATION-VIOLET COLOR SLASH)	1
8927415	CONNECTOR, 1/8"-27X9/16"-20X1.30" L.	1
8927416	NUT, 5/8" HEX. 1/4" I.D. SEALASTIC	1
	SEAL, BLOWER DRIVE COVER	
8922140	SEAL, 4.32"X4.88"X.77"	2
	CLAMP, BLOWER DRIVE COVER PACKING	
5106219	CLAMP ASSY. (T-BOLT) (12.9660)	2
	COUPLING, BLOWER DRIVE	
8922517	COUPLING (29 TEETH)	2
8920765	PLATE (SPRING)	4
8923569	BOLT, 5/16"-24X.75" LOCK (3.4135)	6
8923570	BOLT, 5/16"-24X1" LOCK (3.4135)	6
5173364	SPACER (3.4137)	6
3.4000A	- BLOWER DRIVE SHAFT	
	SHAFT, BLOWER DRIVE	

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
3.4000A - BLOWER DRIVE SHAFT		
8922634	SHAFT AND SPRING ASSY. (INCLUDES SPRING IN 3.4445) (6.67" L.) (29 TEETH) (8V, 16V)	2
8922736	SPRING, .240" DIA.X1.25" L.	2
RING, BLOWER DRIVE SHAFT		
8922605	RING, RETAINING	2
3.5000A - TURBOCHARGER, INTERCOOLER AND AFTERCOOLER		
TURBOCHARGER		
SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.		
R23504652	REMANUFACTURED 23504652	AR
23504652	TURBOCHARGER ASSY. (TV9406)	2
HOUSING, TURBOCHARGER TURBINE		
5149398	HOUSING	1
5198996	BOLT, 5/16"-18X1/2"	8
5199494	CLAMP	4
585726	PLATE, LOCK	4
HOUSING ASSY., TURBOCHARGER INTERMEDIATE		
A HOUSING ASSY. INCLUDES ITEMS IN 3.5018, 3.5027 THRU 3.5036.		
173639	SCREW, DRIVE .073"X1/4"	2
23504290	BACKPLATE	1
23504291	BEARING, THRUST (INBOARD)	1
23504292	RING, SEAL	1
23504293	BOLT, 3/18"-16X1 1/4":	4
23507341	HOUSING	1
23507343	SHROUD, WHEEL	1
23507415	HOUSING ASSY.	1
HOUSING, TURBOCHARGER COMPRESSOR		
23503610	HOUSING	1
23507978	KIT, SCREEN & .43" W/SEAL	1
5149163	LOCKNUT, 1/4"-28	1
5199424	CLAMP (VEE BAND)	1
BEARING, ROTOR ASSY. SHAFT		
A BEARING KIT INCLUDES (1) BEARING WHICH IS NOT SERVICED SEPARATELY AND (2) SPACERS.		
23504281	BEARING	2
23504282	SPACER	2
23504283	RING, SNAP	3
SEAL, ROTOR ASSY. SHAFT OIL		
23504285	RING, SEAL (PISTON RING TYPE)	1
5197583	RING, SEAL (PISTON RING TYPE)	2
SHAFT ASSY., TURBOCHARGER ROTOR		
23503611	SHAFT ASSY. (INCLUDES INTEGRAL WHEEL)	1
COLLAR, TURBOCHARGER ROTOR THRUST		
23504286	COLLAR	1
SPACER, TURBOCHARGER ROTOR THRUST		
23504287	SPACER	1
WHEEL, TURBOCHARGER COMPRESSOR		
23503609	WHEEL, COMPRESSOR	1
23504289	NUT, LOCK	1
181377	BOLT, 3/8"-24X1 3/4"	8
9411981	NUT, 3/8"-24 LOCK (12.9120)	8
BRACKET, TURBOCHARGER MOUNTING		
102635	NUT, 3/8"-16	2
CONNECTOR, TURBOCHARGER EXHAUST INLET		
5143567	ADAPTOR (R. BANK)	1
5143568	ADAPTOR (L. BANK)	1
5104276	TUBE ASSY. (L. BANK)	1
5129111	STUD, 5/8"-11X2.60"	8
5103952	NUT, 5/8"-18 SPECIAL	8
GASKET, TURBOCHARGER EXHAUST INLET CONNECTION		
8929529	GASKET	2
BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION		
5102277	SUPPORT	2
5104688	PLATE, BOLT LOCKING	2
5143483	SPACER, SUPPORT	4
5143484	PLATE, BOLT LOCKING	2

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
3.5000A - TURBOCHARGER, INTERCOOLER AND AFTERCOOLER		
5176829	STUD, 7/16"-14/20X1.70" (1.3160)	2
8921936	BOLT, 7/16"-14X1.25" (W/SEAL PATCH) (12.9001)	2
8927579	BOLT, 3/8"-16X.88" (W/SEAL PATCH) (12.9001)	4
5108436	WASHER, 7/16" (7.1598)	6
102635	NUT, 3/8"-16	2
23505398	NUT, 7/16"-20 (12.9120)	2
BRACKET, TURBOCHARGER AIR INLET		
5108013	SUPPORT (LOWER)	1
5108014	SUPPORT (UPPER)	1
179819	BOLT, 5/16"-18X1.125"	2
186625	BOLT, 5/16"-18X7/8"	3
120393	WASHER, 5/16"	4
5121403	WASHER, 21/64" (3.4080)	1
103320	LOCKWASHER, 5/16"	5
102635	NUT, 3/8"-16	2
120376	NUT, 5/16"-18	3
ELBOW, TURBOCHARGER AIR INLET		
23503758	TUBE ASSY, TURBO AIR INLET	1
23503759	TUBE ASSY., TURBO AIR INLET	1
BRACKET, TURBOCHARGER AIR OUTLET TUBE		
5148068	BRACKET, TUBE SUPPORT (3.5417)	2
186618	BOLT, 5/16"-18X5/8"	4
120393	WASHER, 5/16"	2
103320	LOCKWASHER, 5/16"	4
120376	NUT, 5/16"-18	2
ELBOW, TURBOCHARGER AIR OUTLET		
23503758	TUBE ASSY, TURBO AIR INLET	1
23503759	TUBE ASSY., TURBO AIR INLET	1
102635	NUT, 3/8"-16	2
HOSE, TURBOCHARGER AIR OUTLET CONNECTION		
23504471	HOSE, 3.50"X3.50" L.	4
5147912	CLAMP, 3 3/8" MIN. ADJ. (3/4" W.)	8
AFTERCOOLER		
8925150	AFTERCOOLER ASSY. (3-PASS) (8V, 16V)	2
5101138	SEAL RING, .984"X.139" (3.5438)	8
5101196	BOLT, 5/16"-18X9/16" (W/SEAL PATCH) (3.5436)	16
CONNECTIONS, AFTERCOOLER WATER OUTLET		
8928633	ELBOW (W/TUBE)	1
8922420	HOSE, 1 1/4X2 3/4	2
5104276	TUBE ASSY. (L. BANK)	1
5104277	TUBE ASSY. (R. BANK)	1
5104275	GASKET	4
5145581	GASKET (7.8020)	2
5104958	CLAMP, 1 1/2"-2" CLAMPING RANGE (12.9660)	4
186643	BOLT, 5/16"-18X2 1/16"	2
186629	BOLT, 5/16"-18 X 1"	2
8927579	BOLT, 3/8"-16X.88" (W/SEAL PATCH) (12.9001)	4
120393	WASHER, 5/16"	4
103320	LOCKWASHER, 5/16"	4
23511439	CLAMP, 1.0"-1.75"	4
TUBE, TURBOCHARGER OIL SUPPLY		
5199575	HOSE, BULK #6X25 FT. (12.8550) (CUT L. 54")	2
5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.)(STRAIGHT)) (12.8552)	2
8923964	FITTING, #6 HOSE (W/TUBE) (12.8552)	2
8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2
5131847	COVER	2
5170466	GASKET (COVER) (3.5500)	2
8925030	ELBOW, 90 DEG. 3/8" INV. FL. TUBE (12.9480)	2
8925028	TEE, 3/8" TUBE, 1/4"-18 PIPE (12.9490)	1
8927580	BOLT 3/8"-16X1.015" (12.9001)	4
102635	NUT, 3/8"-16	2

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
3.5000A - TURBOCHARGER, INTERCOOLER AND AFTERCOOLER		
CLIP, TURBOCHARGER OIL SUPPLY TUBE		
2488022	CLIP, 3/8" BOLT (12.8554)	3
5100364	CLIP, 5/8"	1
5175606	BRACKET (4.1540)	2
5143841	BRACKET (2.5180)	2
5113655	STUD, 5/16"-18-24X2.46" L. (7.4509)	2
181360	BOLT, 3/8"-24X3/4"	2
186612	BOLT, 3/8"-16X1 3/8"	1
8921932	BOLT, 3/8"-16X1.25" (W/SEAL PATCH) (12.9001)	2
5159347	SPACER, 13/32"X3/4"X1/2" (7.1581)	1
103341	WASHER, 3/8"	6
120393	WASHER, 5/16"	1
103320	LOCKWASHER, 5/16"	1
103321	LOCKWASHER, 3/8"	5
102635	NUT, 3/8"-16	2
103026	NUT, 3/8"-24	2
274558	NUT, 5/16"-24 (12.9120)	2
TUBE, TURBOCHARGER OIL RETURN		
FOR TURBOCHARGER OIL DRAIN SEALS REFER TO 3.4140		
8921648	TUBE ASSY. (L. BANK UPPER)	1
TUBE, TURBOCHARGER OIL RETURN		
5142070	FLANGE	1
5146231	TUBE (DEV. L. 33.50") (LOWER) (LB)	1
8921736	TUBE ASSY. (R. BANK, UPPER) (12.26" L.)	1
TUBE, TURBOCHARGER OIL RETURN		
5142070	FLANGE	1
23504412	TUBE ASSY. (R. BANK, LOWER)	1
5169721	HOSE, 7/8"X24"L. (CUT L. 3.50")	2
119099	ELBOW, 90 DEG. 3/4" PIPE	1
141621	ELBOW, 3/4"-90 DEG. ST. (12.9590)	1
8925097	# NIPPLE	2
8924164	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)	1
5186840	CLAMP, 1 1/2" I.D. (12.9660)	4
5142070	FLANGE	1
5165244	CLIP, 7/16" TUBE, 5/16" BOLT (4.8040)	2
5170468	GASKET	2
5188969	BRACKET, SUPPORT (4.1540)	1
8927579	BOLT, 3/8"-16X.88" (W/SEAL PATCH) (12.9001)	4
181595	BOLT, 5/16"-24X3/4"	1
103340	LOCKWASHER, 5/16"	1
103320	LOCKWASHER, 5/16"	1
114493	NUT, 5/16"-24	1
# INCLUDES SEAL RING IN 3.5505 PLUS NUT NOT SOLD SEPARATELY.		
TUBE, TURBOCHARGER WATER SUPPLY		
102635	NUT, 3/8"-16	2

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
4.1000A - OIL PUMP		
PUMP ASSY., OIL		
SEE ASSEMBLY BREAKDOWN AS INDICATED.		
5129876	PUMP ASSY. (SCAV., R.H.) (12V, 16V)	1
BODY, OIL PUMP		
5128242	@ BODY ASSY. (PRESSURE)	1
@ INCLUDES BUSHING IN 4.1050.		
BUSHING, OIL PUMP BODY		
5128877	BUSHING	4
SHAFT, OIL PUMP DRIVE		
5129886	SHAFT	1
SHAFT, OIL PUMP DRIVEN GEAR		
5129887	SHAFT	1
GEAR, OIL PUMP		
5128321	GEAR (3.100" L., L.H. HELIX) (4.1090)	1
5128322	GEAR (3.100" L., R.H. HELIX) (4.1090)	1
COVER, OIL PUMP		
103321	LOCKWASHER, 3/8"	4
186619	BOLT, 3/8"-16X1 1/8"	4
5128877	BUSHING	2
5129889	COVER ASSY. (INCLUDES BUSHING)	1
GEAR, OIL PUMP DRIVE-ON PUMP		
124549	KEY, 3/16"X3/4" WOODRUFF	1
5128323	GEAR (61 TEETH)	1
103196	STUD, 3/8"-16/24X1 9/16"	2
103197	STUD, 3/8"-16/24X1 13/16"	2
103321	LOCKWASHER, 3/8"	4
103026	NUT, 3/8"-24	4
SHIM, OIL PUMP		
5183323	SHIM (.005")	AR
5185318	SHIM (.015")	AR
5185319	SHIM (.010")	AR
4.1000B - OIL DISTRIBUTION SYSTEM		
PIPE, OIL PUMP INLET		
5128872	PIPE (16V)	1
186619	BOLT, 3/8"-16X1 1/8"	2
103321	LOCKWASHER, 3/8"	2
GASKET, OIL PUMP INLET PIPE		
5128891	GASKET (2.88" B.C.)	2
SCREEN, OIL PUMP INLET		
5101176	SCREEN	1
427588	BOLT, 3/8"-16X2 1/2" (12.9001)	2
5175705	SPACER, 13/32"X7/8"X1" (8.3826)	2
103341	WASHER, 3/8"	4
102635	NUT, 3/8"-16	2
COVER, OIL PUMP INLET SCREEN		
5128886	COVER	1
PIPE, OIL PUMP OUTLET		
5129924	PIPE (TO JUNCTION BLOCK)	1
5129906	JUNCTION BLOCK (PUMP TO CYL. BLOCK)	1
179839	BOLT, 3/8"-16 X 1"	6
427588	BOLT, 3/8"-16X2 1/2" (12.9001)	2
103321	LOCKWASHER, 3/8"	8
GASKET, OIL PUMP OUTLET PIPE		
2206783	GASKET (JUNCTION OUTLET) (5.3360)	1
5117269	GASKET	2
5123660	GASKET	1
4.1000C - OIL, PRESSURE REGULATOR		
REGULATOR, OIL PRESSURE		
REGULATOR ASSEMBLY INCLUDES ITEMS IN 4.1680 THRU 4.1701.		
R8921088	REMANUFACTURED 8921088	AR
8921088	REGULATOR ASSY. (12V, 16V) (4.1671)	2

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
4.1000C - OIL, PRESSURE REGULATOR		
	BODY, OIL PRESSURE REGULATOR AND RELIEF	
8921087	BODY	1
	SPRING, OIL PRESSURE REGULATOR	
5126327	SPRING (2.96" FREE LENGTH, 15 COILS, CLOSED ENDS,	1
	VALVE, OIL PRESSURE REGULATOR	
8922740	VALVE	1
	SEAT, OIL PRESSURE REGULATOR	
457009	PIN, 3/16"X1 3/4" SPRING (12.9270)	1
5117957	SEAT	1
179839	BOLT, 3/8"-16 X 1"	4
103321	LOCKWASHER, 3/8"	4
RELIEF, VALVE OIL PRESSURE		
	RELIEF VALVE ASSEMBLY INCLUDES ITEMS IN 4.1680 THRU 4.1701.	
R8921086	REMANUFACTURED 8921086	AR
8921086	VALVE ASSY.	1
8921933	BOLT, 3/8"-16X.88" (W/SEAL PATCH) (12.9001)	4
179839	BOLT, 3/8"-16 X 1"	2
103321	LOCKWASHER, 3/8"	2
BODY, OIL PRESSURE REGULATOR AND RELIEF		
8921087	BODY	2
8924503	BODY	1
SPRING, OIL PRESSURE REGULATOR		
5126327	SPRING (2.96" FREE LENGTH, 15 COILS, CLOSED ENDS,	3
VALVE, OIL PRESSURE REGULATOR		
8922740	VALVE	3
SEAT, OIL PRESSURE REGULATOR		
5117957	SEAT	3
457008	PIN, 3/16" X 1-1/2" SPRING (12.9270)	2
457009	PIN, 3/16"X1 3/4" SPRING (12.9270)	1
GASKET, OIL PRESSURE REGULATOR BODY		
5117269	GASKET	3
4.2000A - OIL FILTER		
ELEMENT, OIL FILTER		
	ELEMENT INCLUDES GASKET IN 4.2300.	
23518667	FILTER, LUBE OIL	2
23518524	FILTER, LUBE OIL	AR
COVER, OIL FILTER		
5100930	ADAPTOR	1
ADAPTOR, OIL FILTER COVER		
8921695	@ ADAPTOR ASSY. AND OIL COOLER COVER (SPIN-ON) (4.22 40)	1
8921694	@ ADAPTOR ASSY. AND OIL COOLER COVER (SPIN-ON) (4.40 60)	1
8923847	PLUG, PIPE 1/4-18" NPTF	2
272545	BOLT, 5/16"- 18X5 1/4" (12.9001)	20
214054	BOLT, 5/16"-18X6 1/4"	4
215404	BOLT, 5/16"-18X5 3/4"	24
103320	LOCKWASHER, 5/16"	20
5155596	WASHER, 21/64" SPECIAL COPPER (4.7120)	4
@ ADAPTOR ASSY. INCLUDES INSERT IN 4.2291 PLUS ITEMS IN 4.2245, 4.2485, 4.248 6 AND 4.2488.		
GASKET, OIL FILTER ADAPTOR		
5187312	GASKET (REAR) (4.2350)	2
VALVE, OIL FILTER BYPASS		
5133431	VALVE (DISC)	2
SPRING, OIL FILTER BYPASS VALVE		
5133594	SPRING	2
PLUG, OIL FILTER BYPASS VALVE		

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
4.2000A - OIL FILTER		
5126686	PLUG, 1 1/4"-16 (4.2488)	2
5121182	PLUG, 1/4" PIPE (2.4015)	2
4.4000A - OIL COOLER AND MARINE GEAR LINES		
CORE, OIL COOLER-ENGINE		
A TRUNK STYLE CYLINDER KIT INCLUDES PISTON ASSY., RINGS, EXPANDERS, PISTON PIN, RETAINERS AND LINER....A CROSSHEAD STYLE CYLINDER KIT INCLUDES SEAL, CROWN, SKIRT, RINGS, EXPANDERS, PIN, BEARING, RETAINERS AND LINER.		
8547552	CORE ASSY. (32 PLATE)	2
GASKET, OIL COOLER CORE-INNER		
5101180	GASKET	4
5117280	GASKET (HOUSING TO ADAPTOR)	2
HOUSING, OIL COOLER-ENGINE		
5126628	HOUSING	2
ADAPTOR, OIL COOLER		
5126257	ADAPTOR (FRONT / REAR)	1
5126259	ADAPTOR (FRONT)	1
186628	BOLT, 3/8"-16X1 1/2"	10
138244	SCREW, 3/8"-16X1 1/2"	2
5101169	SPACER (BETWEEN HSG. AND CORE)	2
120394	WASHER, 3/8"	4
103321	LOCKWASHER, 3/8"	6
GASKET, OIL COOLER ADAPTOR TO BLOCK		
5117535	GASKET (4.4117)	4
5126280	SPACER, .012"THK.X8.20"L.	2
VALVE, OIL COOLER BYPASS		
5177777	VALVE	2
SPRING, OIL COOLER BYPASS VALVE		
8923176	SPRING	2
PLUG, OIL COOLER BYPASS VALVE		
23509925	PLUG 18 MM X 15MM TORX HD	2
GASKET, OIL COOLER BYPASS VALVE PLUG		
5177773	GASKET	2
CONNECTION, OIL COOLER WATER INLET		
5126057	ELBOW (FRONT)	1
5127462	ELBOW (REAR)	1
5127646	TUBE (26.62" DEV. L.)	1
5136693	BRACKET	1
5108560	CLAMP ASSY., 3 5/8" (6.2090)	2
5173256	SPACER, 15/32"X13/16"X5/16" (7.1598)	1
8924140	DRAINCOCK, 1/4" (12.9510)	1
179838	BOLT, 3/8"-16X7/8"	4
179839	BOLT, 3/8"-16 X 1"	6
450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2
103321	LOCKWASHER, 3/8"	10
GASKET, OIL COOLER WATER INLET CONNECTION		
5117317	GASKET	2
HOSE, OIL COOLER WATER INLET		
5136037	HOSE, 2 1/2"X3 1/4" (4.4213)	1
5136038	HOSE, 3 1/2"X4 1/2"L. (4.4213)	2
CLAMP, OIL COOLER WATER INLET HOSE		
23517962	CLAMP HOSE 3 1/2-4 CONST TORQ	4
5135647	CLAMP, 2 1/2" HOSE (12.9660)	2
5136306	CLAMP, 3 7/8"-4 3/16" CLAMPING RANGE (12.9660)	4
ELBOW, OIL COOLER WATER OUTLET		
5129834	ELBOW	1
5129835	ELBOW (FRONT)	1
179839	BOLT, 3/8"-16 X 1"	4

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
4.4000A - OIL COOLER AND MARINE GEAR LINES		
103321	LOCKWASHER, 3/8"	8
103026	NUT, 3/8"-24	4
23511573	PLUG, 3/4" PIPE SQ. SOC. SCOTCHGRIP	2
GASKET, OIL COOLER WATER OUTLET ELBOW		
5117254	GASKET (4.4230)	1
5117734	GASKET (1.1070)	1
HOSE, OIL COOLER WATER OUTLET		
5102098	SEAL, 3.60" O.D.X.62" W.	2
CLAMP, OIL COOLER WATER OUTLET HOSE		
5143999	CLAMP, 3 1/2" DIA. HOSE (T-BOLT)	2
4.5000A - OIL, FILLER		
TUBE, OIL FILLER		
5104182	TUBE	1
5104105	SEAL, FILLER TUBE	1
CAP, OIL FILLER		
5117362	CAP, OIL FILLER	1
STRAINER, OIL FILLER TUBE		
5104110	STRAINER	1
5103642	SCREW, #10-24X.375" LOCK (4.8055)	3
CHAIN, OIL FILLER CAP		
5113825	CHAIN, 20" L. (CUT L. 6.50")	1
5107979	HOOK, CHAIN ("S" TYPE) (4.5020)	1
5146248	HOOK, OIL FILLER CAP	1
103372	PIN, 3/32"X1/2" COTTER	1
218322	WASHER, .125" I.D.X.312" O.D.X.032"	1
GASKET, OIL FILLER TUBE		
5106030	GASKET	1
4.6000A - DIPSTICK		
DIPSTICK		
23516598	GAUGE ASM OIL LEVEL 18.0	1
GASKET, DIPSTICK		
23504352	RING SEAL, .070"X.301"I.D.	1
GUIDE, DIPSTICK		
5176827	GUIDE (5 5/8" L.)	1
GUIDE, DIPSTICK		
5151430	GUIDE (1.50" L.)	1
ADAPTOR, DIPSTICK		
23516578	TUBE ASM OIL LVL GA DEV 7.42 SNAP-LK	1
23513842	SEAL OIL LVL GA ADAP	1
CLIP, DIPSTICK		
8927578	BOLT, 3/8"-16X.755" (12.9001)	1
103321	LOCKWASHER, 3/8"	1
4.7000A - OIL PAN		
PAN, OIL-UPPER		
5147541	PAN (CAST IRON) (16V)	1
8924378	BUSHING PIPE RED 3/4 X 1/4	2
8923847	PLUG, PIPE 1/4-18" NPTF	2
8927581	BOLT, 3/8"-16X1.135" (12.9001)	2
8927584	BOLT, 3/8"-16X1.515" HEX. HD. (12.9001)	28
186282	BOLT, 3/8"-16X3 1/4"	4
114926	BOLT, 3/8"-16X4 1/4" (12.9001)	2
450517	BOLT, 3/8"-16X4 3/4" (12.9001)	8
187491	BOLT, 3/8"-16X5 1/2"	6
103341	WASHER, 3/8"	4

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
4.7000A - OIL PAN		
106263	WASHER, 7/16"	2
103321	LOCKWASHER, 3/8"	8
23511573	PLUG, 3/4" PIPE SQ. SOC. SCOTCHGRIP	4
PAN, OIL-LOWER		
23506096	PAN, REAR (STAMPED) (16V)	1
5148437	BOLT, 5/16"-18X1" (W/LW) (12.9001)	48
GASKET, OIL PAN TO BLOCK		
5126562	GASKET SET (16V)	1
GASKET, LOWER OIL PAN		
5150115	GASKET (FRONT PAN) (4.7030)	1
5150116	GASKET (REAR PAN) (4.7030)	1
PLUG, OIL PAN DRAIN		
5103186	PLUG, 1/2"-14 PIPE (12.9550)	1
8923916	PLUG, 1/2" PIPE (12.9550)	2
23511572	PLUG, 1/2" NPTF SQ. SOC. (12.9550)	2
23511573	PLUG, 3/4" PIPE SQ. SOC. SCOTCHGRIP	1
TUBE, OIL PAN DRAIN		
187396	COUPLING, 3/8"X1 3/16" PIPE	1
5121825	FITTING, MALE .50" HOSE 3/8"-18 (12.4090)	2
5129157	HOSE, #8X73" L. (8.3830) (CUT L. 21")	1
23509447	ELBOW, 90 DEG. 3/8" NPTF ZINC	1
8925591	PLUG, 3/8"-18 SQ. SOC. (12.9550)	1
CLIP, OIL PAN DRAIN TUBE		
5151189	CLIP, 3/4" HOSE (4.8040)	1
5173022	BRACKET, CLIP	1
186627	BOLT, 3/8"-24X1"	1
103026	NUT, 3/8"-24	1
COVER, OIL PAN		
5125256	COVER (3.5505)	1
5109443	COVER	1
8924158	BUSHING PIPE RED 1/2"X3/8" W/9	1
8924159	BUSHING, 3/4"X3/8" RED. (12.9570)	1
8927582	BOLT, 3/8"-16X1.255" (12.9001)	2
271616	BOLT, 3/4"-10X3 1/4" (12.9001)	2
103326	LOCKWASHER, 3/4"	2
GASKET, OIL PAN COVER		
5120540	GASKET	1
4.8000A - VENTILATING SYSTEM		
PIPE ASSY., BREATHER		
5103478	TUBE (4.8001)	2
5133201	PIPE (21.50" L.)	2
5133200	ELBOW	1
5132911	TUBE (RIGHT BANK FRONT)	1
5133966	TUBE (LEFT BANK FRONT)	1
179839	BOLT, 3/8"-16 X 1"	4
103341	WASHER, 3/8"	4
103321	LOCKWASHER, 3/8"	2
EXTENSION, BREATHER TUBE		
8922420	HOSE, 1 1/4X2 3/4	2
5120022	HOSE, 1 1/4" I.D.X27" L. (4.8010) (CUT L. 2.26")	5
5120022	HOSE, 1 1/4" I.D.X27" L. (4.8010) (CUT L. 1.75")	2
5104959	HOSE, 1 1/4"X1 3/4" L. (4.8175)	1
5104958	CLAMP, 1 1/2"-2" CLAMPING RANGE (12.9660)	10
272859	CLAMP, 1 5/8" DIA. HOSE (12.9660)	4
ELBOW, BREATHER		
5130514	ELBOW (4.8001)	1
186676	BOLT, 1/4"-20X5/8"	2

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
4.8000A - VENTILATING SYSTEM		
GASKET BREATHER TUBE		
5121894	GASKET	2
CLIP, BREATHER TUBE		
5184291	CLIP, 1 1/4" DIA. 3/8" BOLT (8.3820)	2
5142270	CLIP, 1 1/4"X7/16" (4.8183)	2
5104602	BOLT, 7/16"-14X1" (W/SEAL PATCH) (12.9001)	1
5131433	WASHER, .41"X.81"X.1345" (1.5001)	2
9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)	2
103342	WASHER, 7/16"	2
103322	LOCKWASHER, 7/16"	1
SUPPORT, BREATHER TUBE CLIP		
5184088	BRACKET, CLIP (4.8183)	1
123435	BOLT, 1/4"-28X5/8"	1
5183952	BRACKET, CLIP (7.1595)	1
120392	WASHER, 1/4"	2
103319	LOCKWASHER, 1/4"	2
121902	NUT, 1/4"-28	2
HOSE, BREATHER EXTENSION		
8922420	HOSE, 1 1/4X2 3/4	1
CONNECTIONS, COLLECTOR		
8922420	HOSE, 1 1/4X2 3/4	2
4.8000A - VENTILATING SYSTEM		
SHELL, BREATHER		
5103648	SHELL ASSY. (ALUM.) (INCLUDES TUBE)	2
5103642	SCREW, #10-24X.375" LOCK (4.8055)	6
5103647	RETAINER ROCKER COVER BREATHER	2
8921331	DECAL (FUEL SQUEEZER PLUS)	AR
GASKET, BREATHER SHELL COVER		
5103646	SEAL DC ROCKER COVER BREATHER	2
FILTER UNIT, BREATHER		
8927797	ELEMENT, BREATHER	1
5103636	RETAINER BTHR ELEMENT ROCKER COVER	2

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
5.1000	- FRESH WATER PUMP	
	PUMP ASSY., FRESH WATER	
	SEE ASSEMBLY BREAKDOWN AS SHOWN BELOW.	
23506047	KIT WATER PUMP WITH 4 IN INLET 16V92	1
5149363	NS PUMP ASSY. (12V, 16V)	1
	BODY, FRESH WATER PUMP	
	BODY ASSY. INCLUDES SEAL IN 5.1065.	
5140009	BODY	1
	COVER, FRESH WATER PUMP BODY	
103320	LOCKWASHER, 5/16"	5
186625	BOLT, 5/16"-18X7/8"	5
	STUD, FRESH WATER PUMP BODY	
5130994	STUD, 3/8"-16-24X5 3/16"	3
5154453	PLUG, 3/8"-16 (12.001)	1
8927270	STUD, 3/8"-16/24X1.62" (12.9117)	6
	SHAFT ASSY., FRESH WATER PUMP	
5123150	SHAFT (MARKED "T" ON END)	1
	SEAL, FRESH WATER PUMP SHAFT BEARING	
5117983	SEAL	1
	BEARING, FRESH WATER PUMP	
274746	LOCKRING (5.4235)	1
2954945	BEARING (N.D. 3304LR1A) (5.1070)	1
908270	BEARING (OUTER)	1
	RETAINER, FRESH WATER PUMP BEARING AND SEAL	
103321	LOCKWASHER, 3/8"	6
103026	NUT, 3/8"-24	6
5130851	RETAINER	1
	GASKET, FRESH WATER PUMP BEARING SUPPORT	
5127922	GASKET (BEARING AND SEAL RETAINER TO BODY)	1
	IMPELLER, FRESH WATER PUMP	
120395	WASHER, 7/16"	1
5117972	NUT, 7/16"-20 LOCK (5.1120)	1
5141592	* IMPELLER ASSY.	1
	* INCLUDES INSERT WHICH IS AVAILABLE IN REPLACEMENT KIT 5197279 SHOWN IN 5.1115.	
	RING, FRESH WATER PUMP BODY IMPELLER DEFLECTOR	
5141286	RING, IMPELLER DEFLECTOR	1
9427739	SCREW, 1/4"-20X5/8" STAINLESS (12.9027)	4
	SEAL, FRESH WATER PUMP	
8924297	SEAL	1
	GEAR, FRESH WATER PUMP DRIVE	
5130853	GEAR	1
5115214	PLUG, 1/2"-14 PIPE (12.9550)	1
186283	BOLT, 3/8"-16X3 1/2"	1
215510	BOLT, 3/8"-16X5 3/4"	1
103321	LOCKWASHER, 3/8"	5
103026	NUT, 3/8"-24	3
23511574	PLUG, 1" PIPE SQ. SOC. SCOTCHGRIP	1
	RECONDITIONING KIT, FRESH WATER PUMP	
	A RECONDITIONING KIT INCLUDES SEAL RING IN 5.1001, BEARINGS AND LOCKRING IN 5.1070, IMPELLER AND NUT IN 5.1110 PLUS ITEMS IN 5.1032, 5.1050, 5.1065 AND 5.1130.	
23506871	KIT, RECONDITIONING (12V, 16V)	AR
5197438	ROTATING ASSY. (12V, 16V)	AR
	GASKET, FRESH WATER PUMP	
5109515	GASKET	1
	GASKET, FRESH WATER PUMP BODY COVER	
23505239	GASKET (BODY COVER)	1
	REPLACEMENT KIT, FRESH WATER PUMP SEAL SEAT	
	REPLACEMENT KIT INCLUDES CERAMIC INSERT AND ADHESIVE WASHERS.	
5197279	REPLACEMENT KIT, IMPELLER INSERT	AR
215510	BOLT, 3/8"-16X5 3/4"	1
5.2000A	- WATER OUTLET MANIFOLD AND/OR ELBOW	
	MANIFOLD, WATER OUTLET	

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
5.2000A - WATER OUTLET MANIFOLD AND/OR ELBOW		
5104435	MANIFOLD (FRONT) (16V)	2
5101774	MANIFOLD (REAR) (16V)	2
8923916	PLUG, 1/2" PIPE (12.9550)	6
103321	LOCKWASHER, 3/8"	32
5142549	PLUG, 3/4" PIPE SQ. SOC. (12.9550)	2
103026	NUT, 3/8"-24	32
GASKET, WATER OUTLET MANIFOLD		
23506469	GASKET, WATER OUTLET PORTS (5.2010)	16
SEAL, WATER OUTLET MANIFOLD		
5156770	SEAL	2
5122439	SEAL	2
5145033	CLAMP, 2 9/16"-2 7/8" CLAMPING RANGE (5.2124)	2
5144768	CLAMP (2 15/16"-2 7/8" RANGE) (T-BOLT, W/SPRING) 5.2124)	2
5.2000B - THERMOSTAT		
THERMOSTAT ASSY.		
23503826	THERMOSTAT (170 DEG. OPENING TEMP.)	4
HOUSING, THERMOSTAT		
5135149	HOUSING (RIGHT BANK)	1
5107642	STUD, 3/4"X1/2"-13X2.08" L.	1
5107643	HOUSING (LEFT BANK)	1
5142549	PLUG, 3/4" PIPE SQ. SOC. (12.9550)	2
8925602	BOLT, 3/8"-16X1.13" (W/SEAL PATCH) (12.9001)	1
5104605	BOLT, 7/16"-14X2.75" (W/SEAL PATCH) (12.9001)	2
186622	BOLT, 3/8"-16 X 1.25"	1
5104161	BOLT, 7/16"-14X1.12" (W/SEAL PATCH) (12.9001)	1
103321	LOCKWASHER, 3/8"	2
103322	LOCKWASHER, 7/16"	3
103323	LOCKWASHER, 1/2"	1
103341	WASHER, 3/8"	2
103342	WASHER, 7/16"	1
106264	WASHER, 1/2"X1 1/4"	1
102637	NUT, 1/2"-13	1
COVER, THERMOSTAT HOUSING		
5129946	COVER ASSY. (RIGHT BANK) (5127411)	1
5129954	COVER ASSY. (LEFT BANK) (5127412)	1
5121182	PLUG, 1/4" PIPE (2.4015)	2
191249	BOLT, 3/8"-16X3 3/4" (12.9001)	12
103321	LOCKWASHER, 3/8"	12
HOSE, THERMOSTAT HOUSING COVER OUTLET ELBOW		
5136038	HOSE, 3 1/2"X4 1/2"L. (4.4213) (CUT L. 2.76")	1
5136306	CLAMP, 3 7/8"-4 3/16" CLAMPING RANGE (12.9660)	2
GASKET, THERMOSTAT HOUSING COVER		
5175989	GASKET (5.2170)	2
TUBE, THERMOSTAT HOUSING VENT		
5133244	TUBE, DEV. L. 6.78" (RIGHT AND LEFT BANK)	2
193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE	2
8925093	* CONNECTOR ASSY., 3/8" TUBE; 1/4" PIPE (12.9415)	2
5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)	2
* INCLUDES SEAL RING IN 5.2135 PLUS NUT NOT SOLD SEPARATELY.		
5.2000C - WATER BYPASS TUBE		
TUBE, WATER BYPASS		
5135390	TUBE (17"L.)	1
8924517	PLUG, 3/8"-18 SQ. SOC. VIBRA SEAL (12.9550)	1
179871	BOLT, 7/16"-14X3 1/4"	2
103322	LOCKWASHER, 7/16"	2
HOSE, WATER BYPASS TUBE		
5199781	HOSE, BULK 2 1/2"X24"L. (5.2165) (CUT L. 2 3/4")	2

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
5.2000C - WATER BYPASS TUBE		
23503066	CLAMP, 1.75"-2.62" DIA. HOSE	4
5.4000A - FAN		
BLADE, FAN HIGH LOW AND CRANKSHAFT MOUNTED NPN	(CUSTOMER FURNISHED) BLADE	1
PULLEY AND HUB ASSY., FAN		
SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.		
5141085	PULLEY AND HUB ASSY.	1
BRACKET, FAN SHAFT		
5141083	BRACKET	1
BEARING, FAN SHAFT		
5141089	SHIM (.015")	AR
5141162	SHIM (.025")	AR
5141163	SHIM (.020")	AR
8922222	LOCKNUT, BEARING	1
9427139	BEARING (INNER AND OUTER)	2
SEAL, FAN SHAFT		
5141050	SEAL	1
SPACER, FAN SHAFT BEARING		
5141087	SPACER, BEARING	1
CAP AND SPACER, FAN HUB		
5142146	CAP (IN PULLEY) (4.50" DIA.)	1
HUB, FAN		
5141086	PULLEY (HUB) (POLY-V; 12 GROOVE, 14.50" DIA.)	1
SUPPORT, FAN MOUNTING		
5141082	SUPPORT, 5/32" THK. (7.1598)	1
8922620	ADAPTOR, FAN SUPPORT (5.4025)	1
179862	BOLT, 7/16"-14X1 1/2"	2
193221	BOLT, 7/16"-14X1 1/4"	3
220470	BOLT, 9/16"-12X1 3/4"	4
442734	BOLT, 1/2"-13X4" (12.9001)	4
23505774	SPACER	2
5109886	SPACER, 1/2"X1 1/8"X5/32" (12.6682)	2
5133981	WASHER, 19/32" (1.1001)	6
103322	LOCKWASHER, 7/16"	5
103323	LOCKWASHER, 1/2"	4
CAP AND SPACER, FAN HUB		
5141289	SPACER, 1" THICK	2
SCREW, FAN BRACKET ADJUSTING		
5130037	BOLT, 1/2"-13X8 1/2" (5.4290)	1
103323	LOCKWASHER, 1/2"	1
103343	WASHER, 1/2"	1

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
6.1000A - EXHAUST MANIFOLD AND/OR CONNECTIONS		
MANIFOLD, EXHAUST		
QUANTITIES SHOWN IN TYPE 109 ARE FOR AN 8V. DOUBLE THE QUANTITY FOR A 16V.		
5140748 #	MANIFOLD (VERT. CENTER OUTLET) (16V.)	2
5140822 *	MANIFOLD (VERT. CENTER OUTLET) (16V.)	2
5102735	CRAB	8
23505398	NUT, 7/16"-20 (12.9120)	20
5104439	WASHER, (DISHED) 7/16" (6.1001)	12
# LEFT BANK FRONT OR RIGHT BANK REAR		
* LEFT BANK REAR OR RIGHT BANK FRONT		
GASKET, EXHAUST MANIFOLD		
5120224	GASKET	8
STUD, EXHAUST MANIFOLD TO HEAD		
8925804	STUD, 7/16"-14/20X2 3/32" (6.1020)	20
PLATE, EXHAUST MANIFOLD COVER		
5121098	PLATE	4
103320	LOCKWASHER, 5/16"	8
186618	BOLT, 5/16"-18X5/8"	8
GASKET, EXHAUST MANIFOLD COVER PLATE		
5113412	GASKET (7.4510)	4
6.2000A - EXHAUST MUFFLER AND/OR CONNECTIONS		
GASKET, EXHAUST OUTLET		
5145238	GASKET (6.2105)	4
23512114	GASKET	2
ADAPTOR, EXHAUST OUTLET		
5146014	ADAPTOR (6.2130)	2
113175	PLUG, 1/8" PIPE (12.9550)	2
181374	BOLT, 3/8"-24X1 1/2"	16
9411981	NUT, 3/8"-24 LOCK (12.9120)	16

D E T R O I T D I E S E L
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
7.1000A - BATTERY, CHARGING GENERATOR		
GENERATOR ASSY.		
SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THRU AC DELC O.		
1100077	* GENERATOR (24V., 65 AMP., CW/CCW) (AC)	1
9427945	BOLT, 1/2"-13 X 6.25" (12.9001)	1
5132715	WASHER, .53"X.94"X.12" (1.3140)	2
103323	LOCKWASHER, 1/2"	1
102637	NUT, 1/2"-13	1
* NOT SERVICED BY DDC.		
PULLEY, GENERATOR		
5148796	PULLEY (2.76" DIA., 2 GROOVE)	1
PULLEY, GENERATOR DRIVE		
5148836	PULLEY (4.66" DIA., 2 GROOVE) (7.1505)	1
124543	KEY, 1/8"X1/2" WOODRUFF	1
272906	NUT, 3/4"-16 LOCK (12.9140)	1
DRIVE ASSY., GENERATOR		
DRIVE ASSY. INCLUDES NUT IN 7.1505 PLUS ITEMS IN 7.1510, 7.1515, 7.1520, 7.1535, 7.1540 AND 7.1545.		
5133747	DRIVE ASSY	1
186317	BOLT, 3/8"-24X5"	3
186658	BOLT, 3/8"-24X5 1/2"	1
HUB, GENERATOR DRIVE PULLEY		
5143234	HUB, ACCESSORY DRIVE	1
124543	KEY, 1/8"X1/2" WOODRUFF	2
5143233	SHAFT	1
SEAL, GENERATOR DRIVE OIL		
5138710	SEAL (3.4160)	1
RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL		
5133683	RETAINER	1
GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER		
8922443	SEALANT, RTV 88ML. (3 FL. OZ.)	1
BEARING, GENERATOR DRIVE		
23503727	BEARING ASSY., ACCRY. DRIVE (5.4332)	1
SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING		
5133682	SPACER	1
LOCKRING, GENERATOR DRIVE BEARING		
274621	RING, LOCK (7.1545)	1
COUPLING, FLANGE MOUNTED ALTERNATOR DRIVE		
5139545	COUPLING	1
BELT, GENERATOR DRIVE		
ALL BELTS, UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE", ARE 'PREMIUM' POLYESTER BELTS.		
5148276	BELT SET, .380"W.X29"L. (2 BELTS)	1
STRAP, GENERATOR ADJUSTING		
5148834	STRAP	1
179884	BOLT, 1/2"-13X1 3/8"	1
442733	BOLT, 1/2"-13 X 1.25" (12.9001)	1
5117082	SPACER, .53"X1.16" (3.4103)	1
103323	LOCKWASHER, 1/2"	2
102637	NUT, 1/2"-13	1
BRACKET, GENERATOR ADJUSTING STRAP		
5148837	BRACKET	1
BRACKET, GENERATOR MOUNTING		
5148833	BRACKET	1
179862	BOLT, 7/16"-14X1 1/2"	2
103322	LOCKWASHER, 7/16"	2

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
7.3000A - STARTING MOTOR		
MOTOR ASSY., STARTING		
NOTE: SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THRU A C DELCO.		
R0461125	MOTOR ASSY., 24V 50MT (REMANUFACTURED)	AR
1990269 *	MOTOR ASSY. (24V., CW, INSULATED)	2
9418228	BOLT, 5/8"-11X1 3/4" 12 POINT (12.9005)	6
103325	LOCKWASHER, 5/8"	6
* NOT SERVICED BY DDC.		
GASKET, STARTING MOTOR		
5130995	GASKET	2
RELAY ASSY., STARTING MOTOR TIME DELAY		
1115615	RELAY ASSY. (7.4707)	2
120392	WASHER, 1/4"	4
181309	BOLT, 1/4"-28X1 1/2"	4
103319	LOCKWASHER, 1/4"	4
7.4000B - TACHOMETER DRIVE		
ADAPTOR, TACHOMETER DRIVE CABLE		
5148409	ADAPTOR (R.H., 1:2 RATIO)	1
SHAFT, TACHOMETER DRIVE		
5108090	SHAFT	1
COVER, TACHOMETER DRIVE		
5123118	COVER ASSY. (INCLUDES STUDS)	1
5155854	STUD, 5/16"-24X1 1/32" L.	2
GASKET, TACHOMETER DRIVE COVER ADAPTOR		
5135935	GASKET	1
ADAPTOR, TACHOMETER DRIVE COVER		
5136249	ADAPTOR	1
849330	CAP (7.4457)	1
186647	BOLT, 1/4"-20X1"	1
5107931	WASHER, .141"X.641" I.D. RUBBER	1
103319	LOCKWASHER, 1/4"	1
103320	LOCKWASHER, 5/16"	2
114493	NUT, 5/16-24	2

DETROIT DIESEL
CUSTOM PARTS CATALOG 04/21/97

PART #	NAME AND DESCRIPTION	QUANTITY
11.1000A - ENGINE MOUNTING AND BASE		
TRUNNION, ENGINE FRONT		
5145757	BRACKET ASSY. (INCLUDES DOWEL PINS) (11.1075)	1
5151576	PIN, 1/2"X1 5/8" DOWEL	2
5186577	SEAL RING .547" I.D. X .750" O.D. X .121" THK.	6
191249	BOLT, 3/8"-16X3 3/4" (12.9001)	6
179862	BOLT, 7/16"-14X1 1/2"	2
190270	BOLT, 1/2"-13X4 1/4" (12.9001)	6
5108435	WASHER, 3/8" (HARDENED) (12.4010)	6
103322	LOCKWASHER, 7/16"	2
103323	LOCKWASHER, 1/2"	6

D E T R O I T D I E S E L
CUSTOMPARTS CATALOG

PART#	NAME AND DESCRIPTION
12.8000A - SUPPLIES	
COMPOUND, THREAD LUBRICATING	
5198563	INTERNATIONAL COMPOUND #2 (5 GALLON CAN)
23509545	SEAL, ANTI-SEIZE HEAT & RUST (1 LB.)
SEALER, THREADLOCK	
23509535	THREADLOCK, MEDIUM STRENGTH (50 ML.)
23509536	THREADLOCK, MEDIUM STRENGTH (10 ML.)
23509537	THREADLOCK 262, HIGH STRENGTH (10 ML.)
23509538	THREADLOCK, HIGH STRENGTH (50 ML.)
23509539	THREADLOCK 290, HIGH STRENGTH (10 ML.)
23509542	SEALER, THREAD (50 ML.)
23509544	SEALER, COMPOUND (50 ML.)
SEALANT, RTV	
23509540	SEALANT, GASKET ELIMINATOR (50 ML.)
23509541	SEALANT, GASKET ELIMINATOR (300 ML.)
23509543	SEALANT, ULTRA BLUE RTV (3 OZ.)
23509603	SEALANT, BLACK RTV (11 OZ.)
ADDITIVES, SUPPLEMENTAL COOLANT	
23507854	SUPPLEMENTAL COOLANT ADDITIVE (1 PT.) (DD-3000-P)
23507855	SUPPLEMENTAL COOLANT ADDITIVE (1/2 GAL.) (DD-30000-HG)
23507856	SUPPLEMENTAL COOLANT ADDITIVE (5 GAL.) (DD-3000-11)
23507857	SUPPLEMENTAL COOLANT ADDITIVE (55 GAL.) (DD-3000-15)
23507858	SUPPLEMENTAL COOLANT ADDITIVE (1 PT.) (DD-2000-P)
23507859	SUPPLEMENTAL COOLANT ADDITIVE (1/2 GAL.) (DD-2000-HG)
23507860	SUPPLEMENTAL COOLANT ADDITIVE (5 GAL.) (DD-2000-11)
23507861	SUPPLEMENTAL COOLANT ADDITIVE (55 GAL.) (DD-2000-15)
23512138	PRECHARGED COOLANT (1 GAL.)
23512139	PRECHARGED COOLANT (55 GAL.)
23512140	PRECHARGED COOLANT (BULK)
CLEANER, COOLANT SYSTEM	
23507862	CLEANER, COOLANT SYSTEM (1/2 GAL.) (DD-2001-HG)
23507863	CLEANER, COOLANT SYSTEM (5 GAL.) (DD-2001-11)
23507864	CLEANER, COOLANT SYSTEM (55 GAL.) (DD-2001-15)
23507867	CLEANER, COOLANT SYSTEM (TWIN PACK) (DD-2015-49)
ANALYSIS KIT, COOLANT	
23516921	ANALYSIS KIT, COOLANT
23515917	TEST STRIP, TWO-WAY COOLANT
ADDITIVES, DIESEL FUEL	
23507868	ADDITIVES, FUEL (1 PT.) (DD-2020-P)
23507869	ADDITIVES, FUEL (5 GAL.) (DD-2020-11)
23507870	ADDITIVES, FUEL (55 GAL.) (DD-2020-15)
23507871	ADDITIVES, FUEL (1 PT.) (DD-1000-P)
23507872	ADDITIVES, FUEL (5 GAL.) (DD-1000-11)
23507873	ADDITIVES, FUEL (55 GAL.) (DD-1000-15)
ANALYSIS KIT, FUEL	
23516922	ANALYSIS KIT, FUEL

D E T R O I T D I E S E L
C U S T O M P A R T S C A T A L O G

PART#	NAME AND DESCRIPTION
12.8000A - SUPPLIES	
PAINT, ENGINE TOUCH-UP	
5194974	PAINT (12 OZ. SPRAY CAN) (ALPINE GREEN)
5149634	PAINT (12 OZ. SPRAY CAN) (GRAY)
5149635	PAINT (12OZ. SPRAY CAN) (GOLD)
5149996	PAINT (12 OZ. SPRAY CAN) (SILVER)
5149633	PAINT (12 OZ. SPRAY CAN) (ALUM. PRIMER)
8929666	PAINT (12 OZ. SPRAY CAN) (BLUE)
8929668	PAINT (12 OZ.) (CLEAR)
5149740	PAINT (1 GALLON) (ALUM. PRIMER)
5149739	PAINT (1 GALLON) (METAL GRAY)
5194975	PAINT (1 GALLON) (ALPINE GREEN)
5149997	PAINT (1 GALLON) (SILVER)
23511690	PAINT (1 GALLON) (WHITE ENAMEL: MARINE)
8929665	PAINT (1 GALLON) (BLUE)
8929667	PAINT (1 GALLON) (CLEAR)
OIL, ENGINE LUBRICATING	
23513856	1 GAL. DELVAC 1230D 2 CYL ENG
23512733	5 GAL. DELVAC 1230D 2 CYL ENG
23512737	55 GAL. DELVAC 1230D 2 CYL ENG
23512699	BULK DELVAC 1230D 2 CYL ENG
23512701	1 GAL. DELVAC 1240D 2 CYL ENG
23512734	5 GAL. DELVAC 1240D 2 CYL ENG
23512702	55 GAL. DELVAC 1240D 2 CYL ENG
23512739	BULK DELVAC 1240D 2 CYL ENG
23512735	5 GAL. DELVAC 1250D 2 CYL ENG
23512738	55 GAL. DELVAC 1250D 2 CYL ENG
23512700	BULK DELVAC 1250D 2 CYL ENG
23512703	1 GAL. DELVAC 1300 SUPER 4 CYL ENG
23512741	5 GAL. DELVAC 1300 SUPER 4 CYL ENG
23512704	55 GAL. DELVAC 1300 SUPER 4 CYL ENG
23509885	1 GAL DELVAC MEO 40 METHANOL ENG
23509886	5 GAL. DELVAC MEO 40 METHANOL ENG
23509887	55 GAL. DELVAC MEO 40 METHANOL ENG
23509888	BULK DELVAC MEO 40 METHANOL ENG
80W90P	35 LB. PAIL MOBILUBE HD 80W90
80W90K	120 LB. KEG MOBILUBE HD 80W90
80W90D	400 LB. DRUM MOBILUBE HD 80W90
85W140P	35 LB. PAIL MOBILUBE HD 85W140
85W140K	120 LB. KEG MOBILUBE HD 85W140
85W140D	400 LB. DRUM MOBILUBE HD 85W140
75W90P	35 LB. PAIL MOBILUBE SHC 75W90
75W90K	120 LB. KEG MOBILUBE SHC 75W90
75W90D	400 LB. DRUM MOBILUBE SHC 75W90
80W140P	35 LB. PAIL MOBILUBE SHC 80W140
80W140K	120 LB. KEG MOBILUBE SHC 80W140
80W140D	400 LB. BARREL MOBILUBE SHC 80W140
SHC50P	35 LB. PAIL MOBILTRANS SHC 50
SHC 50K	120 LB. KEG MOBILTRANS SHC 50
SHC50D	375 LB. DRUM MOBILTRANS SHC 50
ATFQUART	12 QUART MOBIL MULTI-PURPOSE ATF
AFTGAL	1 GAL. PAIL MOBIL MULTI-PURPOSE ATF
ATFDRUM	55 GAL. MOBIL MULTI-PURPOSE ATF
ATFBULK	BULK MOBIL MULTI-PURPOSE ATF
GREASEC	60X14 OZ. CARTRIDGES MOBILGREASE SPECIAL
GREASEK	120 LB. KEG MOBILGREASE SPECIAL
GREASED	400 LB. DRUM MOBILGREASE SPECIAL
OIL, ENGINE LUBRICATING	
HPCART	60X14 OZ. CARTRIDGES MOBILGREASE HP
HPKEG	120 LB. KEG MOBILGREASE HP
HPDRUM	400 LB. DRUM MOBILGREASE-HP
MOBIL424	55 GAL. MOBILFLUID 424

DETROIT DIESEL
CORPORATION



13400 Outer Drive, West / Detroit, Michigan 48239-4001