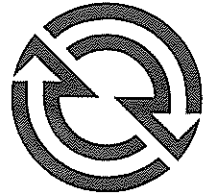


Engine Parts

DETROIT DIESEL



Engine

Generator Model:

200 kW

Engine Series:

71MPC

Engine Model:

10637305

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of all information, engine modifications or subsequent engineering changes or enhancements may cause certain data to be superseded or rendered obsolete.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.

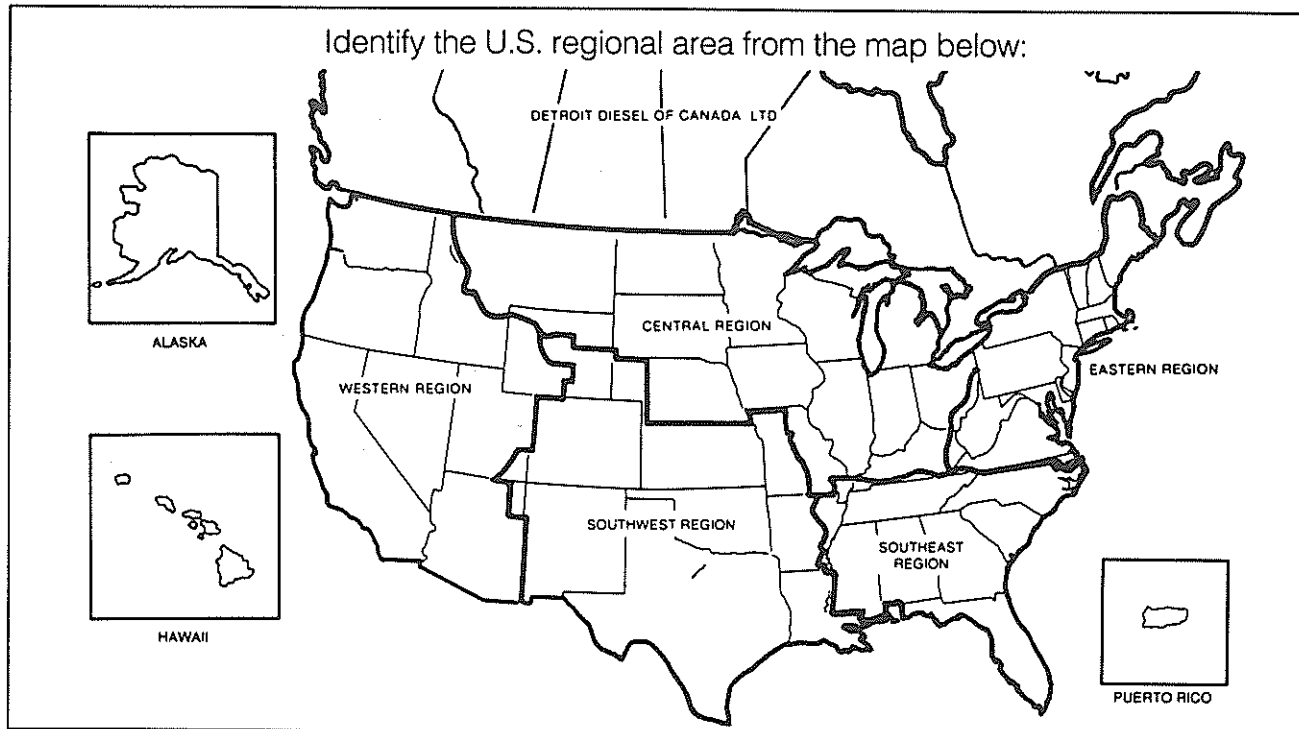
IMPORTANT ENGINE INFORMATION

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.

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

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DETROIT DIESEL

Custom Parts Catalog

ENGINE DESCRIPTION

SERIAL NUMBER:

SERIES NUMBER: 71MPC

MODEL NUMBER: 10637305

GROUP NOMENCLATURE

1.0000	ENGINE (less major assemblies)
1.1000	Cylinder Block
1.1000A	Air Box Drains
1.2000	Cylinder Head
1.2000A	Engine Lifter Bracket
1.3000	Crankshaft, Oil Seals and Stabilizers
1.3000A	Crankshaft Front Cover
1.3000B	Vibration Damper
1.3000C	Crankshaft Pulley
1.3000D	Crankshaft Pulley Belt
1.4000A	Flywheel
1.5000A	Flywheel Housing
1.5000B	Flywheel Housing Adaptor
1.6000	Connecting Rod and Piston
1.7000	Camshaft and Gear Train
1.7000A	Balance Weight Cover
1.7000B	Accessory Drive
1.8000	Valve Injector Operating Mechanism
1.8000A	Rocker Cover

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

5.0000	COOLING SYSTEM (CONT'D)
5.3000B	Water Connections
5.4000A	Fan
5.4000B	Fan Shroud
5.5000A	Heat Exchanger or Keel Cooling
5.6000A	Raw Water Pump
5.7000A	Water Filter

6.0000	EXHAUST SYSTEM
6.1000A	Exhaust Manifold and/or Connections
6.2000A	Exhaust Muffler and/or Connections

7.0000	ELECTRICAL INSTRUMENTS
7.1000A	Battery Charging Generator
7.2000A	Battery Cables
7.2000B	Automatic Starting
7.2000B	Automatic Starting (Twin and Quad)
7.3000A	Starting Motor
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

JULY 1992

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ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
A		A	
ACCESSORY DRIVE	1. 7000B	AIR CLEANER ASSY.	3. 1001
ACCUMULATOR, HYDRAULIC STARTER	12.6570	AIR COMPRESSOR	12.4000A
ACTUATOR ASSY., GOVERNOR	2. 6505	AIR HEATER	7. 8000A
ACTUATOR, GOVERNOR	2. 9386	AIR INLET HOUSING	3. 3000A
ADAPTOR, ACCESSORY DRIVE	1. 7622	AIR SILENCER	3. 2000A
ADAPTOR, AIR CLEANER MOUNTING	3. 1085	AIR STARTER	12.6000B
ADAPTOR, AIR COMPRESSOR	12.4020	AIR STARTER ASSY.	12.6080
ADAPTOR, AIR DUCT	5. 4620	AIR STRAINER AND LUBRICATION ASSY., AIR STARTER	12.6120
ADAPTOR, AIR HEATER PUMP OUTLET VALVE	7. 8290	AMMETER, BATTERY CHARGING	7. 4015
ADAPTOR, AIR INLET HOUSING	3. 3004	ANTI-SQUEAK ENGINE HOOD	10.1070
ADAPTOR, AIR SILENCER	3. 2015	ANTI-SQUEAK FUEL TANK CLAMP	2. 6070
ADAPTOR, CYLINDER HEAD AIR INLET	2. 9871	ANTI-SQUEAK FUEL TANK TO BASE	2. 6080
ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK	2. 8945	ANTISQUEAK, RADIATOR	5. 3230
ADAPTOR, DIPSTICK	4. 6030	ARM ASSY., EXHAUST VALVE ROCKER	1. 8060
ADAPTOR, EXHAUST MANIFOLD PYROMETER	6. 1155	ARM ASSY., INJECTOR ROCKER	1. 8080
ADAPTOR, EXHAUST OUTLET	6. 2120	ARM, FAN BELT IDLER PULLEY ADJUSTING	5. 4343
ADAPTOR, FLANGE MOUNTED ALTERNATOR	7. 1588	ARMATURE, STARTING MOTOR	7. 3005
ADAPTOR, FLYWHEEL HOUSING	1. 5130	ASPIRATOR, EXHAUST	3. 1003
ADAPTOR, FUEL PUMP DRIVE	2. 2260	AUTOMATIC STARTING	7. 2000B
ADAPTOR, GAS GOVERNOR BEARING	2. 7060		
ADAPTOR, GENERATOR DRIVE	7. 5570	B	
ADAPTOR, GOVERNOR DRIVE	2. 8026	BAFFLE, AIR CLEANER	3. 1045
ADAPTOR, GOVERNOR SPEED CONTROL	2. 7640	BAFFLE, BREATHER	4. 8025
ADAPTOR, GOVERNOR STARTING SOLENOID	2. 8870	BAFFLE, CRANKSHAFT OIL	1. 3010
ADAPTOR, HYDRAULIC MARINE GEAR OIL PUMP	9. 1477	BAFFLE, GENERATOR FAN	7. 1470
ADAPTOR, HYDRAULIC PUMP	12.5020	BAFFLE, MARINE GEAR BREATHER	9. 1843
ADAPTOR, OIL COOLER	4. 4110	BAFFLE, OIL COOLER	4. 4085
ADAPTOR, OIL FILLER TUBE	4. 5005	BAFFLE, RADIATOR REMOVABLE	5. 3265
ADAPTOR, OIL FILTER	8. 3873	BAFFLE, REDUCTION GEAR OIL	9. 1380
ADAPTOR, OIL FILTER	9. 1782	BAFFLE, WATER	5. 5015
ADAPTOR, OIL FILTER (TWIN AND QUAD)	9. 3660	BALANCE WEIGHT COVER	1. 7000A
ADAPTOR, OIL FILTER PRESSURE REGULATOR	4. 2292	BALL HEAD ASSY., GOVERNOR	2. 8560
ADAPTOR, OIL PRESSURE SWITCH	7. 4590	BALL HEAD, HYDRAULIC OVERSPEED TRIP GOVERNOR	7. 4617
ADAPTOR, OVERSPEED TRIP	3. 3180	BALL, OIL COOLER BYPASS VALVE SPRING	4. 4151
ADAPTOR, OVERSPEED TRIP DRIVE SHAFT	3. 3230	BALL, TRANSMISSION OIL OUTPUT PUMP PRESSURE RELIEF	9. 9502
ADAPTOR, OVERSPEED TRIP GOVERNOR	7. 4635	BAND, STARTING MOTOR COVER	7. 3165
ADAPTOR, POWER TAKE-OFF TO CLUTCH	8. 1905	BASE KIT, GOVERNOR	2. 8690
ADAPTOR, REVERSE GEAR OIL LINES	4. 4339	BASE, AUTOMATIC STARTING SPRING	7. 2295
ADAPTOR, REVERSE GEAR OIL TO COOLER TUBE AT HEAT EXCHANGER COVER	9. 1588	BASE, ENGINE MOUNTING	11.1001
ADAPTOR, SHUTOFF SOLENOID	2. 9062	BASE, GOVERNOR	8. 3380
ADAPTOR, STARTER DRIVE	12.6065	BATTERY CABLES	7. 2000A
ADAPTOR, STARTING AID PUMP OUTLET VALVE	12.6350	BATTERY, CHARGING GENERATOR	7. 1000A
ADAPTOR, TACHOMETER DRIVE	7. 4457	BEARING ASSY., PILLOW BLOCK	8. 1740
ADAPTOR, TACHOMETER DRIVE CABLE	7. 4420	BEARING, ACCESSORY DRIVE	1. 7655
ADAPTOR, TACHOMETER DRIVE COVER	7. 4457	BEARING, BILGE PUMP SHAFT	12.2100
ADAPTOR, TACHOMETER MOUNTING	7. 4061	BEARING, BLOWER DRIVE GEAR HUB SUPPORT	3. 4355
ADAPTOR, THROTTLE CONTROL KNOB	2. 9137	BEARING, BLOWER ROTOR FRONT	3. 4040
ADAPTOR, TORQUE CONVERTER DISCONNECT CLUTCH DRIVE	8. 1665	BEARING, BLOWER ROTOR GEAR	3. 4085
ADAPTOR, TRANSMISSION LOCKUP GOVERNOR	9. 9467	BEARING, BLOWER ROTOR REAR	3. 4060
ADAPTOR, WATER TEMPERATURE GAGE	7. 4084	BEARING, CAMSHAFT END	1. 7010
ADAPTOR, WATER TEMPERATURE SWITCH	7. 4509	BEARING, CAMSHAFT INTERMEDIATE	1. 7040
ADDITIVE, CURING (THREADLOCK & TRV)	12.8252	BEARING, CLUTCH DRIVE SHAFT	8. 1680
ADDITIVES, DIESEL FUEL	12.8280	BEARING, CLUTCH PILOT	1. 4040
ADDITIVES, SUPPLEMENT COOLANT	12.8260	BEARING, CLUTCH PILOT	8. 1450
AFTERCOOLER	3. 5436	BEARING, CLUTCH RELEASE	8. 1290
AIR BOX DRAINS	1. 1000A	BEARING, CLUTCH SHIFTER SHAFT	8. 1575
AIR CLEANER AND/OR ADAPTOR	3. 1000A	BEARING, CLUTCH RELEASE	8. 1290
		BEARING, DRIVE SHAFT MAIN	8. 3050

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
B		B	
BEARING, DRIVE SHAFT PILOT	8. 3205	BEARING, TRANSMISSION COUNTERSHAFT	
BEARING, FAN BELT IDLER PULLEY	5. 4332	REAR	9. 9075
BEARING, FAN SHAFT	5. 4110	BEARING, TRANSMISSION LOCKUP GOVERNOR	
BEARING, FLYWHEEL PILOT	9. 1210	DRIVE SHAFT	9. 9452
BEARING, FRESH WATER PUMP	5. 1070	BEARING, TRANSMISSION MAINSHAFT DRIVE	
BEARING, GAS GOVERNOR VALVE	2. 7062	GEAR	9. 9127
BEARING, GENERATOR DRIVE	7. 1535	BEARING, TRANSMISSION MAINSHAFT PILOT	9. 9024
BEARING, GOVERNOR DRIVE SHAFT	8. 3090	BEARING, TRANSMISSION MAINSHAFT-FRONT	9. 9025
BEARING, GOVERNOR DRIVE THRUST	2. 8830	BEARING, TRANSMISSION MAINSHAFT-REAR	9. 9035
BEARING, GOVERNOR DRIVEN SHAFT	2. 8810	BEARING, TRANSMISSION REVERSE IDLER	
BEARING, GOVERNOR OPERATING SHAFT	8. 3410	GEAR	9. 9255
BEARING, GOVERNOR OPERATING SHAFT-LOWER	2. 7270	BEARING, TRANSMISSION TORQUE CONVERTER	
BEARING, GOVERNOR OPERATING SHAFT-UPPER	2. 7260	PUMP HUB	9. 9177
BEARING, GOVERNOR PILOT VALVE PLUNGER		BELL, ALARM SYSTEM	7. 4513
THRUST	2. 8610	BELT, ACCESSORY DRIVE	1. 7625
BEARING, GOVERNOR RISER THRUST	8. 3425	BELT, AIR COMPRESSOR DRIVE	12.4045
BEARING, GOVERNOR ROCKER SHAFT	8. 3440	BELT, CRANKSHAFT PULLEY DRIVE	1. 3320
BEARING, GOVERNOR THROTTLE SHAFT	2. 7100	BELT, GENERATOR DRIVE	7. 1575
BEARING, GOVERNOR VARIABLE SPEED		BELT, HYDRAULIC STARTER ENGINE PUMP	
SPRING LEVER	2. 7732	DRIVE	12.6676
BEARING, GOVERNOR VARIABLE SPEED		BELT, TORQUE CONVERTER OUTPUT SHAFT	
SPRING LEVER SHAFT	2. 7712	GOVERNOR DRIVE	8. 3099
BEARING, GOVERNOR WEIGHT	2. 7440	BILGE PUMP	12.2000A
BEARING, GOVERNOR WEIGHT RISER THRUST	2. 7460	BLADE, FAN HIGH LOW AND CRANKSHAFT	
BEARING, GOVERNOR WEIGHT SHAFT END	2. 7470	MOUNTED	5. 4010
BEARING, HYDRAULIC STARTER END	12.6540	BLOCK, TERMINAL	2. 9070
BEARING, HYDRAULIC STARTER ENGINE PUMP	12.6602	BLOCK, CONTROL TERMINAL	7. 2340
BEARING, HYDRAULIC STARTER ENGINE PUMP		BLOCK, CYLINDER	1. 1001
PISTON	12.6610	BLOCK, FUEL SYSTEM JUNCTION	2. 5250
BEARING, IDLER GEAR	1. 7225	BLOCK, GOVERNOR MOTOR TERMINAL	2. 8189
BEARING, OVERSPEED TRIP GOVERNOR		BLOCK, INSTRUMENT PANEL FUSE	7. 4135
OPERATING SHAFT	7. 4647	BLOCK, PRESSURE PLATE CAM	8. 1090
BEARING, PISTON PIN	1. 6142	BLOCK, TERMINAL	7. 7075
BEARING, PLANETARY GEAR PINION	9. 1083	BLOCK, THROTTLE CONTROL TERMINAL	2. 9389
BEARING, POWER TAKE-OFF ADAPTOR	8. 1903	BLOWER AND DRIVE	3. 4000
BEARING, PRESSURE PUMP IDLER GEAR	8. 3736	BLOWER ASSY.	3. 4001
BEARING, PUMP HUB	8. 3115	BLOWER DRIVE SHAFT	3. 4000A
BEARING, RAW WATER PUMP	5. 6130	BLOWER KIT, INSTALLATION	3. 4003
BEARING, REDUCTION GEAR DRIVE SHAFT		BLOWER KIT, REPAIR	3. 4005
PILOT	9. 1345	BLOWER ROTOR GEAR HUB KIT	3. 4129
BEARING, REDUCTION GEAR DRIVE SHAFT		BODY ASSY., INJECTOR	2. 1020
THRUST	9. 1350	BODY ASSY., MASTER CYLINDER	12.6810
BEARING, REDUCTION GEAR PINION	9. 1320	BODY ASSY., PRESSURE PUMP	8. 3650
BEARING, REDUCTION GEAR SHAFT	8. 1945	BODY ASSY., PRIMER PUMP	12.6661
BEARING, REDUCTION GEAR SHAFT PILOT	8. 1940	BODY, AIR CLEANER	3. 1030
BEARING, REVERSE GEAR DRIVE SHAFT		BODY, AIR CYLINDER	6. 2200
THRUST	9. 1105	BODY, AIR HEATER	7. 8030
BEARING, ROTOR ASSY. SHAFT	3. 5027	BODY, AIR HEATER PUMP	7. 8260
BEARING, STARTER DRIVE	12.6060	BODY, AIR HEATER STRAINER	7. 8055
BEARING, THERMO FAN	5. 4365	BODY, BILGE PUMP	12.2010
BEARING, TRANSFER GEAR OR GEAR BOX		BODY, BREATHER OR SEPARATOR	4. 8050
DRIVE GEAR (TWIN AND QUAD)	9. 3030	BODY, FRESH WATER PUMP	5. 1030
BEARING, TRANSFER GEAR OR GEAR BOX OR		BODY, FUEL PUMP	2. 2010
CHAIN CASE OUTPUT SHAFT FRONT		BODY, GOVERNOR	8. 3370
(TWIN AND QUAD)	9. 3070	BODY, HYDRAULIC PUMP	9. 1485
BEARING, TRANSFER GEAR OR GEAR BOX OR		BODY, HYDRAULIC STARTER CONTROL VALVE	12.6517
CHAIN CASE OUTPUT SHAFT REAR (TWIN		BODY, HYDRAULIC STARTER ENGINE PUMP	12.6595
AND QUAD)	9. 3100	BODY, HYDRAULIC STARTER HAND PUMP	12.6633
BEARING, TRANSMISSION COUNTERSHAFT		BODY, OIL PRESSURE REGULATOR AND RELIEF	4. 1680
FRONT	9. 9065	BODY, OIL PUMP	4. 1040
		BODY, OIL PUMP OUTLET PIPE BYPASS VALVE	4. 1610
		BODY, RAW WATER PUMP	5. 6030

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
B		B	
BODY, STARTING AID PUMP	12.6335	BRACKET, FUEL MODULATING ROCKER SHAFT	2. 9861
BODY, TRANSMISSION CONTROL VALVE	9. 9377	BRACKET, FUEL PUMP TO FILTER HOSE CLIP	2. 5130
BODY, TRANSMISSION OIL PUMP	9. 9285	BRACKET, FUEL PUMP-HIGH LIFT	2. 2015
BODY, TRANSMISSION REGULATOR VALVE	9. 9347	BRACKET, FUEL STRAINER MOUNTING	2. 3260
BODY, WATER FILTER	5. 7013	BRACKET, FUEL SUPPLY TO STRAINER CLIP	2. 5030
BOLT, AIR CLEANER ASSY.	3. 1070	BRACKET, FUEL SYSTEM JUNCTION BLOCK	2. 5252
BOLT, CRANKSHAFT MAIN BEARING CAP	1. 3140	BRACKET, GAS VALVE MOUNTING	2. 4145
BOLT, ENGINE LIFTER EYE	1. 2100	BRACKET, GENERATOR ADJUSTING STRAP	7. 1582
BOLT, FORWARD CLUTCH EMERGENCY ENGAGEMENT	9. 1220	BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD	7. 1587
BOLT, GAS MANIFOLD HAND HOLE COVER	2. 4212	BRACKET, GENERATOR MOUNTING	7. 1595
BOLT, ROCKER COVER	1. 8460	BRACKET, GENERATOR VOLTAGE REGULATOR MOUNTING	7. 1606
BOOT, ACTUATOR CONTROL LINK	2. 6525	BRACKET, GOVERNOR	2. 8920
BOOT, HYDRAULIC STARTER HAND PUMP CAM	12.6645	BRACKET, GOVERNOR ACTUATOR MOUNTING	2. 9388
BOOT, INJECTOR CONTROL TUBE LINK	2. 8950	BRACKET, GOVERNOR CONTROL RETRACTING SPRING	2. 9406
BOTTLE, COOLANT RECOVERY	5. 5193	BRACKET, GOVERNOR CONTROL SHAFT REAR	2. 9220
BOX, FUEL STRAINER HANDLE STUFFING	2. 3180	BRACKET, GOVERNOR LEVER RETRACTING SPRING	2. 7220
BRACKET ASSY., ANTI-STALL	2. 8552	BRACKET, GOVERNOR MOTOR DRIVE SHAFT PINION	2. 8187
BRACKET, ACCESSORY DRIVE	1. 7607	BRACKET, GOVERNOR MOUNTING	2. 6503
BRACKET, ACTUATOR MOUNTING	2. 6530	BRACKET, GOVERNOR OIL RESERVOIR	2. 8907
BRACKET, AIR CLEANER MOUNTING	3. 1230	BRACKET, GOVERNOR OPERATING SOLENOID MOUNTING	2. 7306
BRACKET, AIR COMPRESSOR MOUNTING	12.4010	BRACKET, GOVERNOR OPERATING SOLENOID VALVE	2. 8917
BRACKET, AIR CYLINDER MOUNTING	6. 2212	BRACKET, GOVERNOR SOLENOID	2. 8860
BRACKET, AIR HEATER COIL	7. 8090	BRACKET, GOVERNOR SOLENOID	7. 2465
BRACKET, AIR HEATER MOUNTING	7. 8002	BRACKET, GOVERNOR SPEED ADJUSTING LEVER	2. 8440
BRACKET, AIR HEATER PUMP AND VALVE	7. 8203	BRACKET, GOVERNOR SPEED ADJUSTING SHAFT	8. 3455
BRACKET, AIR HEATER RESISTOR	7. 8400	BRACKET, HEAT EXCHANGER MOUNTING	5. 5070
BRACKET, AIR INLET HOUSING SHUTDOWN CONTROL WIRE	3. 3255	BRACKET, HYDRAULIC GOVERNOR RESERVOIR	2. 9857
BRACKET, AIR SHUTOFF SOLENOID	7. 4530	BRACKET, HYDRAULIC STARTER ENGINE PUMP	12.6670
BRACKET, AIR SHUTOFF SOLENOID LIMIT SWITCH	7. 4535	BRACKET, HYDRAULIC STARTER FILTER	12.6803
BRACKET, AIR SHUTOFF VALVE CONTROL	3. 3280	BRACKET, HYDRAULIC STARTER HAND PUMP	12.6684
BRACKET, ALARM SHUTOFF SWITCH	7. 4600	BRACKET, HYDRAULIC STARTER RESERVOIR MOUNTING	12.6680
BRACKET, AUTOMATIC STARTING GEAR AND CAM	7. 2260	BRACKET, INJECTOR CONTROL TUBE	2. 9003
BRACKET, AUTOMATIC STARTING LIMIT SWITCH	7. 2283	BRACKET, INTERCOOLER MOUNTING	3. 5426
BRACKET, AUTOMATIC STARTING SOLENOID	7. 2245	BRACKET, MARINE GEAR OIL FILTER MOUNTING	4. 4367
BRACKET, BILGE PUMP	12.2250	BRACKET, OIL COOLER HOUSING SUPPORT	4. 4100
BRACKET, BLOWER DRAIN TUBE CLIP	3. 4436	BRACKET, OIL COOLER WATER INLET TUBE SUPPORT	4. 4215
BRACKET, BREATHER EXTENSION PIPE	4. 8183	BRACKET, OIL FILLER TUBE CLAMP	4. 5004
BRACKET, CONVERTER OIL FILTER MOUNTING	8. 3880	BRACKET, OIL FILTER LINE CLIP	4. 3050
BRACKET, CYLINDER THROTTLE DELAY ROCKER SHAFT	2. 9030	BRACKET, OIL FILTER MOUNTING	2. 8995
BRACKET, D C POWER GENERATOR FRAME CONDENSER	7. 5232	BRACKET, OIL FILTER MOUNTING	3. 5650
BRACKET, DRAIN TANK MOUNTING	1. 1240	BRACKET, OIL FILTER MOUNTING	4. 2440
BRACKET, ENGINE HOOD REAR PANEL	10.1106	BRACKET, OIL FILTER MOUNTING	9. 1793
BRACKET, ENGINE LIFTER-FRONT	1. 2070	BRACKET, OIL FILTER MOUNTING (TWIN AND QUAD)	9. 3685
BRACKET, ENGINE LIFTER-REAR	1. 2080	BRACKET, OIL PAN DRAIN TUBE	4. 7112
BRACKET, ENGINE STARTING SWITCH	7. 4117	BRACKET, OIL PUMP OUTLET PIPE	4. 1575
BRACKET, ENGINE SUPPORT	11.1075	BRACKET, OIL PUMP SCREEN SUPPORT	4. 1540
BRACKET, EXHAUST MUFFLER MOUNTING STRAP	6. 2035	BRACKET, OIL STRAINER MOUNTING MARINE GEAR	9. 1710
BRACKET, FAN BELT IDLER PULLEY	5. 4337	BRACKET, OVERSPEED TRIP	3. 3150
BRACKET, FAN SHAFT	5. 4090		
BRACKET, FUEL COOLER	2. 5211		
BRACKET, FUEL COOLER MOUNTING	5. 5429		
BRACKET, FUEL DRAIN CLIP	2. 5230		
BRACKET, FUEL FILTER MOUNTING	2. 3530		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
B		B	
BRACKET, OVERSPEED TRIP GOVERNOR SWITCH	7. 4664	BUSHING, FAN BELT IDLER PULLEY SUPPORT	5. 4348
BRACKET, RADIATOR MOUNTING	5. 3260	BUSHING, FRONT BALANCE WEIGHT	1. 7150
BRACKET, RAW WATER INLET MANIFOLD CLIP	5. 5363	BUSHING, FUEL PUMP BODY	2. 2084
BRACKET, ROCKER SHAFT	1. 8170	BUSHING, FUEL PUMP DRIVE ADAPTOR	2. 2270
BRACKET, SHUNT BOX MOUNTING	7. 6790	BUSHING, GAS GOVERNOR VALVE	2. 7067
BRACKET, STARTING AID	12.6391	BUSHING, GOVERNOR BRACKET	2. 8925
BRACKET, STARTING CONTROL ROD	7. 4567	BUSHING, GOVERNOR CONTROL SHAFT BRACKET	2. 9230
BRACKET, STARTING MOTOR SUPPORT	7. 3007	BUSHING, GOVERNOR DRIVE SHAFT	8. 3087
BRACKET, STARTING MOTOR SWITCH	7. 3257	BUSHING, GOVERNOR OPERATING SHAFT	8. 3415
BRACKET, STOP CONTROL	7. 4011	BUSHING, GOVERNOR SPEED ADJUSTING SHAFT SLEEVE	2. 8364
BRACKET, TACHOMETER DRIVE	7. 4437	BUSHING, GOVERNOR SPEED ADJUSTING SHAFT SPACER CAP	2. 8366
BRACKET, THROTTLE BOOSTER SPRING	2. 9344	BUSHING, GOVERNOR SPEED ADJUSTING TERMINAL SLEEVE	2. 8483
BRACKET, THROTTLE CONTROL CROSS SHAFT-ENGINE LIFTER	2. 9305	BUSHING, GOVERNOR SUB-CAP	2. 8060
BRACKET, THROTTLE CONTROL KNOB SHAFT	2. 9150	BUSHING, HYDRAULIC PUMP BODY	9. 1486
BRACKET, THROTTLE CONTROL SHAFT TO FLYWHEEL HOUSING	2. 9240	BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS	1. 8140
BRACKET, THROTTLE CONTROL SOLENOID	2. 9357	BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM-SMALL	1. 8120
BRACKET, THROTTLE GOVERNOR CONTROL	2. 9370	BUSHING, MUFFLER PIPE	6. 2005
BRACKET, TORQUE CONVERTER OUTPUT SHAFT GOVERNOR	8. 3083	BUSHING, OIL PUMP BODY	4. 1050
BRACKET, TRANSFER GEAR POWER TAKE-OFF SUPPORT (TWIN AND QUAD)	9. 3314	BUSHING, OIL PUMP COVER	4. 1240
BRACKET, TRANSMISSION JACK	11.1225	BUSHING, OIL PUMP DRIVE SUPPORT	4. 1430
BRACKET, TRANSMISSION MOUNTING	11.1220	BUSHING, OIL PUMP DRIVEN GEAR	4. 1210
BRACKET, TRANSMISSION TO OIL COOLER HOSE CLIP	9. 9535	BUSHING, OIL PUMP IDLER GEAR	4. 1350
BRACKET, TURBOCHARGER AIR OUTLET TUBE	3. 5415	BUSHING, OVERSPEED TRIP GOVERNOR HOUSING	7. 4615
BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION	3. 5308	BUSHING, PISTON PIN	1. 6145
BRACKET, TURBOCHARGER MOUNTING	3. 5300	BUSHING, PRESSURE PUMP BODY	8. 3653
BRACKET, TURBOCHARGER SUPPORT	3. 5002	BUSHING, STARTING MOTOR CABLE INSULATION	11.1035
BRACKET, VOLTAGE REGULATOR MOUNTING	7. 6362	BUSHING, STARTING MOTOR CENTER BEARING PLATE	7. 3175
BRACKET, WATER BAFFLE CLAMPING	5. 5017	BUSHING, STARTING MOTOR DRIVE HOUSING	7. 3150
BRACKET, WATER FILTER MOUNTING	5. 7080	BUSHING, STATOR HUB	8. 3155
BRACKET, WATER HEATER	12.6406	BUSHING, THROTTLE CONTROL SHAFT BRACKET	2. 9160
BREAKER, CIRCUIT	7. 1637	BUSHING, THROTTLE CONTROL SHAFT TO FLYWHEEL HOUSING BRACKET	2. 9250
BREATHER AND FILLER, TRANSFER GEAR OR GEAR BOX OR CHAIN CASE (TWIN AND QUAD)	9. 3280	BUSHING, THROTTLE GOVERNOR CONTROL BRACKET	2. 9372
BREATHER ASSY.	4. 8045	BUSHING, THROTTLE KNOB SHAFT	2. 9110
BREATHER, MARINE GEAR	9. 1840	BUSHING, TRANSMISSION LOCKUP GOVERNOR DRIVE SHAFT	9. 9462
BREATHER, REDUCTION GEAR	8. 1965	BUSHING, TRANSMISSION OIL OUTPUT PUMP IDLER GEAR	9. 9494
BREATHER, TRANSMISSION HOUSING	9. 9007	BUSHING, TRANSMISSION OIL PUMP DRIVEN SHAFT	9. 9295
BRIDGE, EXHAUST VALVE	1. 8343	BUSHING, TRANSMISSION OIL PUMP DRIVING SHAFT	9. 9310
BRUSH, STARTING MOTOR	7. 3120	BUSHING, VERNIER THROTTLE CONTROL WORM	2. 9142
BULB, ALARM WARNING LIGHT	7. 4582	BUTTON, VERNIER THROTTLE CONTROL LOCK	2. 9145
BUSHING AND SCREEN ASSY., STARTING AID TANK AND STRAINER	12.6353		
BUSHING INJECTOR ROCKER ARM-LARGE	1. 8110		
BUSHING, AIR INLET HOUSING BYPASS BLOWER SHAFT	3. 3054		
BUSHING, BELT FASTENER	1. 3325		
BUSHING, BILGE PUMP SHAFT	12.2090		
BUSHING, CABLE INSULATION	11.1036		
BUSHING, CAM AND BALANCE SHAFT END	1. 7015		
BUSHING, CLUTCH RELEASE BEARING SLEEVE	8. 1410		
BUSHING, CLUTCH RELEASE SLEEVE	8. 1288		
BUSHING, CONNECTING ROD PISTON PIN	1. 6040		
BUSHING, EXHAUST VALVE ROCKER ARM-LARGE	1. 8100		
		C	
		CABINET ASSY., AUTOMATIC STARTING	7. 2201
		CABINET, POWER GENERATOR CONTROL	7. 6001

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
C		C	
CABLE, AMMETER TO STARTING SWITCH	7. 7190	CAP, TRANSFER GEAR DRIVE SHAFT COVER	
RADIO SHIELDING	7. 2030	(TWIN AND QUAD)	9. 3019
CABLE, BATTERY JUMPER	7. 2020	CAP, TRANSFER GEAR OR GEAR BOX OR	
CABLE, BATTERY-NEGATIVE	7. 2020	CHAIN CASE BREATHER AND FILLER	
CABLE, BATTERY-POSITIVE	7. 2010	(TWIN AND QUAD)	9. 3300
CABLE, CIRCUIT BREAKER	7. 7040	CAP, TRANSMISSION COUNTERSHAFT REAR	
CABLE, FLEXIBLE SHAFT	12.8500	BEARING	9. 9085
CABLE, GENERATOR TO CONTROL CABINET	7. 7220	CAP, TRANSMISSION MAINSHAFT DRIVE GEAR	
CABLE, INSTRUMENT PANEL TO STARTING		BEARING	9. 9270
MOTOR	7. 7070	CAP, TRANSMISSION OIL FILLER TUBE	9. 9522
CABLE, REGULATOR TO AMMETER RADIO		CARRIER AND WEIGHT ASSY., GOVERNOR	2. 7330
SHIELDING	7. 7215	CARRIER, BLOWER HOUSING END PLATE SEAL	
CABLE, STARTING MOTOR SOLENOID SWITCH	7. 2450	RING	3. 4158
CABLE, STARTING MOTOR SOLENOID SWITCH	7. 3245	CARRIER, FLYWHEEL PILOT BEARING	1. 4055
CABLE, TACHOMETER DRIVE FLEXIBLE	7. 4408	CARRIER, GOVERNOR WEIGHT SHAFT	2. 7370
CAGE, FUEL PUMP VALVE	2. 2140	CARTON ENGINE PART	12.8050
CAGE, INJECTOR CHECK VALVE	2. 1205	CASING, FLEXIBLE SHAFT	12.8502
CAGE, INJECTOR VALVE	2. 1265	CATCH, ENGINE HOOD HOLD DOWN CLAMP	10.1050
CAGE, INJECTOR VALVE SPRING	2. 1257	CATCH, ENGINE HOOD SIDE PANEL	10.1057
CAGE, PLANETARY GEAR	9. 1081	CHAIN, LOCKOUT PIN RETAINER	8. 1515
CAM ASSY., GOVERNOR FUEL MODULATING	2. 7812	CHAIN, OIL FILLER CAP	4. 5030
CAM, AIR INLET HOUSING SHUTDOWN VALVE		CHAIN, OIL PUMP DRIVE	4. 1390
SHAFT	3. 3063	CHAIN, RADIATOR FILLER CAP	5. 3125
CAM, AUTOMATIC STARTING	7. 2265	CHECK, VALVE PRIMER PUMP	12.6662
CAM, BLOWER DRIVE COUPLING	3. 4390	CLAMP ASSY., FUEL TANK	2. 6060
CAM, FUEL MODULATING	2. 9085	CLAMP ASSY., PRE-CLEANER DUST JAR	3. 1140
CAM, FUEL MODULATING	2. 9869	CLAMP, AIR COMPRESSOR WATER TUBE HOSE	12.4097
CAM, GOVERNOR COVER	2. 7175	CLAMP, AIR HEATER PRESSURE SWITCH	7. 8395
CAM, GOVERNOR FUEL MODULATING	2. 7815	CLAMP, AIR INLET PIPE HOSE	3. 1280
CAM, HYDRAULIC STARTER HAND PUMP	12.6643	CLAMP, AIR PRESSURE GAGE	7. 4025
CAM, RAW WATER PUMP BODY OFFSET	5. 6035	CLAMP, AIR SILENCER OUTLET ELBOW HOSE	3. 2024
CAMSHAFT AND GEAR TRAIN	1. 7000	CLAMP, AMMETER	7. 4020
CAMSHAFT ASSY.	1. 7001	CLAMP, BLOWER DRIVE COVER PACKING	3. 4227
CAMSHAFT SET, CLUTCH PRESSURE PLATE	8. 1130	CLAMP, BREATHER EXTENSION PIPE HOSE	4. 8180
CAP AND SPACER, FAN HUB	5. 4180	CLAMP, ENGINE AND GENERATOR HOOD	
CAP, CRANKSHAFT MAIN BEARING	1. 3110	HOLD DOWN	10.1040
CAP, CRANKSHAFT-FRONT	1. 3058	CLAMP, ENGINE HOOD TIE ROD	10.1085
CAP, EXHAUST PIPE	6. 1175	CLAMP, EXHAUST MUFFLER TAIL PIPE	6. 2075
CAP, EXHAUST PIPE	6. 2093	CLAMP, FUEL PRESSURE GAGE	7. 4093
CAP, EXHAUST VALVE SPRING	1. 8350	CLAMP, GAS MANIFOLD SEAL	2. 4332
CAP, EXPANSION TANK	5. 5140	CLAMP, HEAT EXCHANGER WATER OUTLET	
CAP, FLYWHEEL HOUSING OIL FILLER AND		TUBE HOSE	5. 5590
BREATHER	1. 5105	CLAMP, INJECTOR	2. 1270
CAP, FUEL TANK	2. 6030	CLAMP, OIL COOLER WATER INLET	
CAP, FUEL TANK DRAIN NIPPLE	2. 6050	CONNECTION	5. 3366
CAP, GOVERNOR LOW SPEED SPRING	2. 7580	CLAMP, OIL COOLER WATER OUTLET HOSE	4. 4250
CAP, GOVERNOR SPEED ADJUSTING SHAFT		CLAMP, OIL PRESSURE GAGE	7. 4072
SPACER	2. 8365	CLAMP, OIL TEMPERATURE GAGE	7. 4078
CAP, GOVERNOR WEIGHT HOUSING	2. 7510	CLAMP, PRE-CLEANER	3. 1120
CAP, HYDRAULIC STARTER ACCUMULATOR	12.6573	CLAMP, RADIATOR INLET HOSE	5. 3300
CAP, HYDRAULIC STARTER RESERVOIR	12.6555	CLAMP, RADIATOR OUTLET HOSE	5. 3340
CAP, INJECTOR CONTROL TUBE LEVER	2. 9018	CLAMP, TACHOMETER	7. 4065
CAP, INJECTOR FILTER	2. 1130	CAP, TRANSFER GEAR HOUSING OIL DRAIN	
CAP, INJECTOR SHIPPING	2. 1150	TUBE HOSE (TWIN AND QUAD)	9. 3487
CAP, OIL FILLER	4. 5010	CLAMP, TRANSMISSION OIL PUMP LOWER	
CAP, OIL FILLER	8. 3836	INLET TUBE	4. 1664
CAP, OIL TANK BREATHER	8. 3837	CLAMP, WATER OUTLET MANIFOLD TUBE	
CAP, OVERSPEED TRIP GOVERNOR SPRING	7. 4653	HOSE	5. 2048
CAP, PRESSURE PUMP VALVE	8. 3625	CLAMP, WATER PUMP INLET SEAL	5. 1250
CAP, RADIATOR FILLER	5. 3120	CLAMP, WATER TEMPERATURE GAGE	7. 4082
CAP, REDUCTION GEAR OIL FILLER	9. 1415	CLEANER AIR BOX DRAIN	1. 1095
CAP, STARTING AID TANK PRESSURE	12.6360	CLEANER, COOLANT SYSTEM	12.8270

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
C		C	
CLEVIS, INJECTOR AND EXHAUST VALVE ROCKER ARM	1. 8130	CLIP, SOLENOID VALVE TUBE	7. 4685
CLIP, AIR BOX DRAIN TUBE	1. 1145	CLIP, STARTING MOTOR TO SOLENOID SWITCH CONNECTOR CABLE	7. 3246
CLIP, AIR COMPRESSOR BOOSTER INLET TUBE AND ELBOW ASSY.	12.4377	CLIP, STRAINER TO FUEL PUMP	2. 5070
CLIP, AIR COMPRESSOR LUBE OIL TUBE	12.4080	CLIP, TACHOMETER DRIVE FLEXIBLE SHAFT ASSY.	7. 4412
CLIP, AIR COMPRESSOR WATER TUBE	12.4095	CLIP, TURBOCHARGER OIL RETURN TUBE	3. 5507
CLIP, AIR HEATER INLET AND OUTLET TUBE	7. 8320	CLIP, TURBOCHARGER OIL SUPPLY TUBE	3. 5502
CLIP, AIR HEATER PUMP INLET TUBE	7. 8350	CLIP, TURBOCHARGER WATER LINE	3. 5527
CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE	3. 3270	CLIP, VIBRATION DAMPER	1. 3235
CLIP, AIR SHUTOFF CONTROL WIRE-RESET	7. 4527	CLIP, WATER BYPASS TUBE	5. 2190
CLIP, BILGE PUMP PRIMING TUBE	12.2195	CLIP, WATER TEMPERATURE GAGE TUBE	7. 4085
CLIP, BLOWER DRAIN TUBE	3. 4435	CLIP, WIRING HARNESS	7. 7010
CLIP, BREATHER TUBE	4. 8040	CLUTCH ASSY.	8. 1017
CLIP, CONVERTER TANK TO PUMP TUBE	8. 3821	CLUTCH, HYDRAULIC STARTER DRIVE	12.6506
CLIP, CONVERTER TO OIL COOLER TUBE	8. 3801	COIL ASSY., AIR HEATER	7. 8080
CLIP, CONVERTER TO TANK TUBE	8. 3831	COIL, OIL PAN HEATER	4. 7025
CLIP, CRANKSHAFT PULLEY	1. 3285	COIL, STARTING MOTOR FIELD	7. 3015
CLIP, CYLINDER HEAD INLET	2. 5180	COLD WEATHER STARTING AID	12.6000C
CLIP, DIPSTICK	4. 6040	COLD WEATHER STARTING AID KIT	12.6301
CLIP, DIPSTICK TORQUE CONVERTER	8. 3842	COLLAR, AIR INLET HOUSING SHUTDOWN VALVE SHAFT	3. 3060
CLIP, EXPANSION TANK OVERFLOW TUBE	5. 5200	COLLAR, BLOWER HOUSING END PLATE SEAL RING	3. 4159
CLIP, FILTER HOSE	8. 3829	COLLAR, CLUTCH CONTROL HAND LEVER FULCRUM SHAFT	8. 1535
CLIP, FILTER TO FUEL MANIFOLD TUBE	2. 5155	COLLAR, CLUTCH DRIVE SHAFT BEARING	8. 1710
CLIP, FUEL COOLER INLET LINES	2. 5216	COLLAR, CLUTCH RELEASE	8. 1295
CLIP, FUEL DRAIN	2. 5220	COLLAR, GOVERNOR DRIVE SHAFT	2. 8620
CLIP, FUEL MANIFOLD TO TORQUE CONVERTER	2. 5222	COLLAR, GOVERNOR FUEL MODULATING CAM SCREW	2. 7817
CLIP, FUEL PRESSURE GAGE TUBE	7. 4096	COLLAR, GOVERNOR FUEL ROD	2. 8160
CLIP, FUEL PUMP DRAIN TUBE	2. 2320	COLLAR, THROTTLE CONTROL CROSS SHAFT	2. 9330
CLIP, FUEL PUMP TO FILTER HOSE	2. 5120	COLLAR, TURBOCHARGER ROTOR THRUST	3. 5034
CLIP, FUEL SUPPLY CROSSOVER TUBE	2. 5164	COLLECTOR, PRE-CLEANER	3. 1110
CLIP, FUEL SUPPLY TO STRAINER	2. 5003	COMPRESSOR ASSY., AIR	12.4001
CLIP, FUEL SUPPLY TO STRAINER	2. 5020	CONDENSER, D C POWER GENERATOR FRAME CAPACITOR	7. 5230
CLIP, FUEL SYSTEM FLEXIBLE HOSE	12.8554	CONDENSER, GENERATOR STATIC ELIMINATOR	7. 1435
CLIP, GOVERNOR CONTROL WIRE TUBE	2. 9428	CONE, CRANKSHAFT PULLEY	1. 3295
CLIP, GOVERNOR MANUAL STOP CONTROL TUBE	2. 7840	CONE, VIBRATION DAMPER-FRONT	1. 3240
CLIP, HEAT EXCHANGER RAW WATER INLET TUBE	5. 5390	CONE, VIBRATION DAMPER-REAR	1. 3250
CLIP, HYDRAULIC PUMP CONTROL VALVE TUBE OR TO OIL COOLER TUBE	9. 1596	CONNECTING ROD AND PISTON	1. 6000
CLIP, INTERCOOLER WATER SUPPLY	3. 5430	CONNECTING ROD ASSY.	1. 6001
CLIP, OIL COOLER LINES	4. 4345	CONNECTION, EXHAUST MANIFOLD WATER INLET KEEL COOLING	5. 5680
CLIP, OIL COOLER TO CONVERTER TUBE	8. 3819	CONNECTION, EXPANSION TANK INLET	5. 3313
CLIP, OIL COOLER TO OIL COOLER TUBE	8. 3824	CONNECTION, EXPANSION TANK OUTLET	5. 3311
CLIP, OIL COOLER TO SELECTOR VALVE TUBE	9. 1591	CONNECTION, FLEXIBLE EXHAUST	6. 2095
CLIP, OIL COOLER TO TANK TUBE	8. 3826	CONNECTION, HEAT EXCHANGER INLET	5. 3314
CLIP, OIL DRAIN TUBE	4. 1643	CONNECTION, HEAT EXCHANGER WATER OUTLET	5. 3312
CLIP, OIL FILTER LINE	4. 3045	CONNECTION, MANIFOLD TUBE END	2. 4190
CLIP, OIL PAN DRAIN TUBE	4. 7101	CONNECTION, OIL COOLER WATER INLET	4. 4211
CLIP, OIL PRESSURE GAGE TUBE	7. 4076	CONNECTION, OIL COOLER WATER INLET	5. 3350
CLIP, OIL PUMP INLET TUBE	4. 1522	CONNECTION, RADIATOR INLET	5. 3270
CLIP, OIL PUMP OUTLET PIPE	4. 1570	CONNECTION, RADIATOR OUTLET	5. 3310
CLIP, RADIATOR OUTLET TUBE	5. 3332	CONNECTION, TACHOMETER SHAFT	8. 3475
CLIP, RADIATOR OVERFLOW PIPE	5. 3170	CONNECTION, TURBOCHARGER AIR INLET	3. 1258
CLIP, RAW WATER INLET MANIFOLD	5. 5362	CONNECTION, VALVE ASSY. EXHAUST RESTRICTOR	6. 2131
CLIP, RAW WATER OUTLET TUBE AT GEAR BOX	5. 5374	CONNECTIONS, AFTERCOOLER WATER OUTLET	3. 5438
CLIP, RAW WATER PUMP DRAIN HOSE	5. 6570		
CLIP, RELIEF VALVE TO CONVERTER TUBE	8. 3813		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
C		C	
CONNECTOR, BILGE PUMP PRIMING TUBE . . .	12.2220	COVER ASSY., ROCKER	1. 8450
CONNECTOR, EXHAUST MANIFOLD FRESH		COVER, AIR CLEANER	3. 1020
WATER INLET	5. 3430	COVER, AIR COMPRESSOR CRANKCASE	12.4130
CONNECTOR, FUEL PIPE	2. 4030	COVER, AIR HEATER	7. 8160
CONNECTOR, TURBOCHARGER EXHAUST INLET	3. 5305	COVER, AIR INLET HOUSING BYPASS BLOWER	
CONNECTOR, WIRING HARNESS FLEXIBLE		PISTON BORE	3. 3084
CONDUIT ANGLE	7. 7025	COVER, AIR SHUTOFF CONTROL HOUSING . .	7. 4553
CONTACT, AUTOMATIC STARTING	7. 2292	COVER, AIR SILENCER	3. 2003
CONTAINER, INJECTOR SHIPPING	2. 1010	COVER, BALANCE WEIGHT	1. 7470
CONTROL ASSY., ACTUATOR	2. 6570	COVER, BALANCE WEIGHT COVER HOLE . . .	1. 7490
CONTROL CABINET	7. 6000A	COVER, BATTERY BOX TRAY SIDE	7. 2100
CONTROL, VERNIER THROTTLE	2. 9133	COVER, BILGE PUMP PRIMING PLATE	12.2185
CONVERSION KIT, GOVERNOR SYNCHRONIZING		COVER, BLOWER DRIVE	3. 4200
MOTOR	2. 8181	COVER, BLOWER HOUSING AIR HEATER PAD .	3. 4230
CONVERSION KIT, INJECTOR-HIGH VALVE . .	2. 1007	COVER, BLOWER HOUSING END PLATE . . .	3. 4180
CONVERSION KIT, MARINE GEAR	9. 1017	COVER, CLUTCH HOUSING INSPECTION HOLE .	8. 1060
CONVERSION KIT, REDUCTION GEAR DRIVE		COVER, CLUTCH RELEASE BEARING SLEEVE .	8. 1420
SHAFT BEARING	9. 1352	COVER, CONVERTER HOUSING	8. 3260
CONVERTER ASSY., TORQUE	8. 3001	COVER, CRANKSHAFT FRONT	1. 3160
COOLER ASSY., FUEL	2. 5212	COVER, CRANKSHAFT FRONT COVER	
COOLER ASSY., FUEL	5. 5425	GOVERNOR HOLE	1. 3175
COOLER ASSY., OIL COOLER	4. 4005	COVER, CRANKSHAFT FRONT COVER LARGE	
CORE ASSY., FUEL COOLER	5. 5426	HOLE	1. 3197
CORE ASSY., RADIATOR	5. 3010	COVER, CRANKSHAFT FRONT COVER SMALL	
CORE, HEAT EXCHANGER	5. 5003	HOLE	1. 3195
CORE, OIL COOLER-ENGINE	4. 4001	COVER, CYLINDER BLOCK AIR BOX	1. 1077
COUNTERSHAFT, TRANSMISSION	9. 9060	COVER, CYLINDER BLOCK HAND HOLE . . .	1. 1040
COUPLING ASSY., POWER TAKE-OFF	8. 1910	COVER, CYLINDER BLOCK WATER HOLE . . .	1. 1060
COUPLING KIT, BLOWER ROTOR AND WATER		COVER, CYLINDER BLOCK WATER HOLE	
PUMP DRIVE	3. 4285	COVER	12.6409
COUPLING, ACCESSORY DRIVE	1. 7635	COVER, CYLINDER HEAD GOVERNOR HOLE . .	1. 2050
COUPLING, AIR COMPRESSOR DRIVE	12.4050	COVER, ENGINE MOUNTING BASE ISOLATION	
COUPLING, BLOWER DRIVE	3. 4370	PAD	11.1030
COUPLING, BLOWER TO WATER PUMP DRIVE .	3. 4290	COVER, EXPANSION TANK KEEL COOLING . .	5. 5020
COUPLING, CRANKSHAFT PULLEY	1. 3300	COVER, FAN SHROUD	5. 4562
COUPLING, ENGINE DRIVE SHAFT FLEXIBLE .	1. 4060	COVER, FLYWHEEL HOUSING	9. 1605
COUPLING, FUEL PUMP DRIVE	2. 2230	COVER, FLYWHEEL HOUSING INSPECTION	
COUPLING, GENERATOR DRIVE-INNER	7. 1560	HOLE	1. 5080
COUPLING, GENERATOR DRIVE-OUTER	7. 1565	COVER, FLYWHEEL HOUSING LARGE HOLE . .	1. 5030
COUPLING, HYDRAULIC PUMP DRIVE	9. 1553	COVER, FLYWHEEL HOUSING OIL HOLE . . .	1. 5117
COUPLING, HYDRAULIC PUMP DRIVE	12.5010	COVER, FLYWHEEL HOUSING SMALL HOLE . .	1. 5050
COUPLING, MARINE GEAR DRIVE	9. 1006	COVER, FLYWHEEL HOUSING VENT	1. 5115
COUPLING, POWER GENERATOR DRIVE	7. 5572	COVER, FLYWHEEL HOUSING WATER HOLE . .	1. 5119
COUPLING, PROPELLER DRIVE SHAFT	9. 1440	COVER, FORWARD CLUTCH DUMP VALVE	
COUPLING, PROPELLER DRIVE SHAFT	9. 2710	SPRING	9. 1275
COUPLING, PROPELLER DRIVE SHAFT REL #55		COVER, FRESH WATER PUMP BODY	5. 1031
(TWIN AND QUAD)	9. 3445	COVER, FUEL COOLER	5. 5427
COUPLING, RAW WATER PUMP DRIVE	5. 6420	COVER, FUEL FILTER	2. 3390
COUPLING, THROTTLE CONTROL SHAFT	2. 9190	COVER, FUEL PUMP	2. 2030
COUPLING, TRANSFER GEAR OR GEAR BOX		COVER, FUEL STRAINER	2. 3080
OUTPUT SHAFT (TWIN AND QUAD)	9. 3055	COVER, GEAR BOX OIL LINE FLANGE (TWIN	
COUPLING, TRANSMISSION	9. 9210	AND QUAD)	9. 3443
COUPLING, TRANSMISSION OIL OUTPUT PUMP .	9. 9477	COVER, GEAR BOX OR CHAIN CASE HOUSING	
COUPLING, TRANSMISSION OIL PUMP DRIVE .	9. 9342	(TWIN AND QUAD)	9. 3260
COVER ASSY., ACTUATOR CONTROL ROD . . .	2. 6550	COVER, GEAR BOX OUTPUT SHAFT BEARING	
COVER ASSY., DRAIN TANK	1. 1160	(TWIN AND QUAD)	9. 3095
COVER ASSY., DRIVE	1. 7700	COVER, GEAR BOX RAW WATER INLET (TWIN	
COVER ASSY., GAS MANIFOLD HAND HOLE . .	2. 4200	AND QUAD)	9. 3430
COVER ASSY., GOVERNOR-COMPLETE	2. 7045	COVER, GEAR BOX RAW WATER OUTLET	
COVER ASSY., GOVERNOR-LESS SHAFT AND		(TWIN AND QUAD)	9. 3441
LEVERS	2. 7050	COVER, GENERATOR VOLTAGE REGULATOR .	7. 1620
COVER ASSY., OVERSPEED TRIP	3. 3235	COVER, GOVERNOR	2. 8040

PART NAME	GROUP NO.	PART NAME	GROUP NO.
C		C	
COVER, GOVERNOR	2. 9353	COVER, TRANSMISSION CONTROL VALVE	
COVER, GOVERNOR BREATHER HOLE	2. 7005	ACCUMULATOR VALVE	9. 9397
COVER, GOVERNOR BREATHER HOLE	4. 8193	COVER, TRANSMISSION HOUSING	9. 9010
COVER, GOVERNOR FUEL ROD SPRING	2. 8085	COVER, TRANSMISSION OIL PUMP BODY	9. 9332
COVER, GOVERNOR HIGH SPEED SPRING	2. 7630	COVER, TRANSMISSION REGULATOR VALVE	
COVER, GOVERNOR HOLE	2. 6567	BODY	9. 9367
COVER, GOVERNOR MOTOR DRIVE SHAFT	2. 8188	COVER, TRANSMISSION TORQUE CONVERTER	
COVER, GOVERNOR SPEED CONTROL LEVER		HOUSING	9. 9205
SPRING	2. 7747	COVER, TURBOCHARGER AIR INLET HOUSING	3. 5395
COVER, GOVERNOR WEIGHT HOUSING	2. 7520	COVER, TURBOCHARGER OIL RETURN	3. 5503
COVER, HEAT EXCHANGER	5. 5030	COVER, VERNIER THROTTLE CONTROL	2. 9149
COVER, HYDRAULIC PUMP	9. 1490	COVER, WATER FILTER	5. 7034
COVER, HYDRAULIC STARTER END	12. 6543	COVER, WATER OUTLET MANIFOLD HOLE	5. 2030
COVER, IDLER PULLEY	5. 4327	COVER, WATER PUMP	5. 1235
COVER, INJECTOR CONTROL AIR CYLINDER	2. 9092	COVER, WATER PUMP BYPASS TUBE	5. 1245
COVER, INSTRUMENT PANEL	7. 4012	CRANKSHAFT ASSY.	1. 3001
COVER, MARINE GEAR HOUSING	9. 1835	CRANKSHAFT FRONT COVER	1. 3000A
COVER, MASTER CYLINDER RESERVOIR	12. 6812	CRANKSHAFT PULLEY	1. 3000C
COVER, NOISE REDUCTION	3. 3002	CRANKSHAFT PULLEY BELT	1. 3000D
COVER, OIL COOLER ADAPTOR	4. 4116	CRANKSHAFT, OIL SEALS AND STABILIZERS	1. 3000
COVER, OIL COOLER HOUSING	4. 4060	CUP, AIR CLEANER	3. 1010
COVER, OIL COOLER HOUSING PAD	4. 4080	CUP, BILGE PUMP GREASE	12. 2130
COVER, OIL FILLER HOLE	4. 5070	CUP, CLUTCH SHIFTER SHAFT OIL	8. 1590
COVER, OIL FILTER	4. 2290	CUP, ENGINE MOUNTING BASE ISOLATION	
COVER, OIL FILTER	9. 9580	PAD	11. 1020
COVER, OIL LINE FLANGE	9. 1186	CUP, FRESH WATER PUMP SEAL RETAINING	5. 1170
COVER, OIL PAN	4. 7120	CUP, OIL PUMP RELIEF VALVE SPRING	
COVER, OIL PUMP	4. 1220	RETAINING	4. 1275
COVER, OIL PUMP INLET SCREEN	4. 1550	CUP, RAW WATER PUMP GREASE	5. 6310
COVER, OIL PUMP PAD	4. 1290	CUSHION, ENGINE MOUNTING BASE	
COVER, OIL STRAINER	9. 1675	ISOLATION PAD	11. 1010
COVER, OIL TANK HAND HOLE	8. 3845	CUTOUT ASSY., GENERATOR VOLTAGE	
COVER, OIL TANK SCREEN	8. 3857	REGULATOR	7. 1607
COVER, OVERSPEED TRIP GOVERNOR		CYLINDER ASSY., INJECTOR CONTROL AIR	2. 9090
HOUSING	7. 4630	CYLINDER ASSY., MASTER REMOTE CONTROL	12. 6808
COVER, PRESSURE PUMP BODY	8. 3689	CYLINDER BLOCK	1. 1000
COVER, PUSH ROD	1. 8182	CYLINDER HEAD	1. 2000
COVER, RADIATOR FILLER CAP	5. 3151	CYLINDER KIT	1. 6182
COVER, RADIATOR LOWER TANK	5. 3080	CYLINDER, GOVERNOR SPEED CONTROL	
COVER, RADIATOR UPPER TANK	5. 3060	PISTON	2. 7741
COVER, RAW WATER OUTLET	9. 2021		
COVER, RAW WATER PUMP	5. 6090		
COVER, REAR DISCONNECT CLUTCH	8. 3345		
COVER, REAR HOOD SUPPORT PANEL			
TACHOMETER HOLE	10. 1039		
COVER, REAR SHORT HOOD PANEL HOLE	10. 1045		
COVER, REDUCTION GEAR BEARING	9. 1365		
COVER, REDUCTION GEAR HOUSING	8. 1925		
COVER, REDUCTION GEAR OIL LINE FLANGE	9. 1420		
COVER, STARTING MOTOR HOLE	1. 5070		
COVER, STARTING MOTOR SOLENOID			
PLUNGER	7. 3418		
COVER, TACHOMETER DRIVE	7. 4445		
COVER, THERMOSTAT HOUSING	5. 2120		
COVER, THERMOSTAT HOUSING WATER			
OUTLET	5. 2205		
COVER, THROTTLE CONTROL HOLE	2. 9810		
COVER, THROTTLE CONTROL MOTOR	2. 9393		
COVER, TRANSFER GEAR DRIVE SHAFT OR			
GEAR BOX DRIVE GEAR (TWIN AND			
QUAD)	9. 3017		
COVER, TRANSMISSION CONTROL VALVE	9. 9407		
		D	
		DAMPER, VIBRATION	1. 3210
		DEFLECTOR, INJECTOR SPILL	2. 1050
		DEFLECTOR, REVERSE GEAR OIL	9. 1615
		DEFLECTOR, ROTOR ASSY. SHAFT OIL	3. 5029
		DEFLECTOR, THERMOSTAT	5. 2055
		DIFFUSER, TURBOCHARGER AIR	3. 5024
		DIPSTICK	4. 6000A
		DIPSTICK	4. 6001
		DIPSTICK, FLYWHEEL HOUSING	1. 5110
		DIPSTICK, HYDRAULIC STARTER RESERVOIR	12. 6560
		DIPSTICK, REDUCTION GEAR	8. 1960
		DIPSTICK, REDUCTION GEAR	9. 1395
		DIPSTICK, TORQUE CONVERTER	8. 3840
		DIPSTICK, TRANSFER GEAR OR GEAR BOX OR	
		CHAIN CASE (TWIN AND QUAD)	9. 3420
		DIPSTICK, TRANSMISSION OIL LEVEL	9. 9509
		DISC ASSY., CLUTCH	8. 1020
		DISC ASSY., TRANS. INPUT	1. 4005

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
D		E	
DISC, CLUTCH ADJUSTING RING	8. 1150	ELEMENT, THERMO FAN CONTROL	5. 4372
DISC, FLEXIBLE COUPLING	8. 3247	ELEMENT, TRANSMISSION OIL FILTER	9. 9570
DISC, FLYWHEEL FLEXIBLE COUPLING	1. 4075	ELEMENT, WATER FILTER	5. 7020
DISC, FUEL PUMP DRIVE	2. 2228	ENCLOSURE ASSY., AUTOMATIC STARTING	
DISC, GOVERNOR FUEL ROD	2. 8110	CABINET	7. 2203
DISC, PROPELLER DRIVE SHAFT COUPLING		ENGINE HOOD	10.1000A
FLANGE (TWIN AND QUAD)	9. 3460	ENGINE MOUNTING AND BASE	11.1000A
DISC, STARTING MOTOR SOLENOID CONTACT	7. 3275	ENGINE, GASOLINE STARTING	12.6001
DISC, THERMO FAN CLUTCH	5. 4370	ENGINE, LIFTER BRACKET	1. 2000A
DOOR ASSY., ENGINE HOOD	10.1002	EXHAUST MANIFOLD AND/OR CONNECTIONS	6. 1000A
DOWELLED PARTS ASSY., HYDRAULIC PUMP	9. 1484	EXHAUST MUFFLER AND/OR CONNECTIONS	6. 2000A
DRAIN ASSY., RADIATOR	5. 3395	EXTENSION, BREATHING TUBE	4. 8010
DRAINCOCK, CONVERTER OIL FILTER	8. 3878	EYE, INJECTOR CONTROL TUBE GOVERNOR	
DRAINCOCK, EXHAUST MANIFOLD	6. 1130	LINK	2. 9024
DRAINCOCK, FUEL FILTER	2. 3500	EYE, THROTTLE BOOSTER ADJUSTING	2. 9348
DRESSING BELT	12.8030		
DRIVE ASSY., ACCESSORY	1. 7600	F	
DRIVE ASSY., AIR STARTER	12.6110	FABRICATION MATERIAL	12.8000B
DRIVE ASSY., FUEL PUMP	2. 2240	FACING, CLUTCH	8. 1030
DRIVE ASSY., GENERATOR	7. 1507	FAN	5. 4000A
DRIVE ASSY., GOVERNOR	2. 8750	FAN ASSY.	5. 4001
DRIVE ASSY., STARTER BENDIX	12.6040	FAN SHROUD	5. 4000B
DRIVE ASSY., STARTING MOTOR	7. 3223	FAN, GENERATOR	7. 1440
DRIVE UNIT, TACHOMETER	7. 4062	FERRULE AND NUT, FLEXIBLE SHAFT CASING	12.8514
DRIVE, HYDRAULIC STARTER ENGINE PUMP	12.6594	FILTER ASSY., CHAIN CASE FULL FLOW	
DRUM, REAR DISCONNECT CLUTCH	8. 3310	POWER TRANSFER GEAR (TWIN AND	
DRUM, TRANSMISSION MAINSHAFT GEAR		QUAD)	9. 3650
OPERATING CLUTCH	9. 9097	FILTER ASSY., CONVERTER OIL	8. 3870
DUAL FUEL SYSTEM	2. 4000A	FILTER ASSY., FUEL	2. 3310
E		FILTER ASSY., HYDRAULIC STARTER	12.6801
ELBOW, AIR CLEANER TO ENGINE	3. 1200	FILTER ASSY., MARINE GEAR OIL	4. 4365
ELBOW, GAS GOVERNOR INLET	2. 4172	FILTER ASSY., OIL	4. 2240
ELBOW, OIL COOLER WATER OUTLET	4. 4220	FILTER ASSY., OIL	9. 1778
ELBOW, OIL COOLER WATER-INLET	5. 3418	FILTER ASSY., OIL-FULL FLOW	2. 8985
ELBOW, RAW WATER PUMP INLET	5. 6573	FILTER ASSY., TRANSMISSION OIL	9. 9550
ELBOW, THERMOSTAT HOUSING OUTLET	5. 2092	FILTER ASSY., WATER	5. 7001
ELBOW, TRANSMISSION OIL PUMP	9. 9337	FILTER KIT, CONVERSION	2. 1132
ELBOW, TURBOCHARGER AIR INLET	3. 5400	FILTER UNIT, BREATHING	4. 8060
ELBOW, TURBOCHARGER AIR OUTLET	3. 5417	FILTER, AIR HEATER	7. 8060
ELBOW, WATER MANIFOLD OUTLET	5. 2210	FILTER, GENERATOR REGULATOR SHIELDING-	
ELBOW, WATER OUTLET MANIFOLD	5. 2035	RADIO INTERFERENCE	7. 1800
ELBOW, WATER PUMP INLET	5. 3335	FILTER, HYDRAULIC STARTER RESERVOIR	12.6558
ELECTRIC GOVERNOR	2. 6000B	FITTING, CLUTCH DRIVE SHAFT BEARING	
ELECTRODE, AIR HEATER	7. 8120	GREASE	8. 1685
ELECTRODE, HEAT EXCHANGER	5. 5010	FITTING, CLUTCH PILOT BEARING GREASE	8. 1455
ELECTRODE, RAW WATER PUMP	5. 6575	FITTING, FUEL SYSTEM FLEXIBLE HOSE END	12.8552
ELEMENT, AIR CLEANER	3. 1050	FLANGE, BREATHING EXTENSION PIPE	4. 8172
ELEMENT, AIR SILENCER	3. 2002	FLANGE, DRIVE SHAFT	8. 3070
ELEMENT, CONVERTER OIL FILTER	8. 3872	FLANGE, EXHAUST	6. 2085
ELEMENT, DRAIN TANK	1. 1180	FLANGE, EXHAUST FLANGE WATER OUTLET	6. 2110
ELEMENT, FUEL FILTER	2. 3320	FLANGE, EXHAUST MANIFOLD WATER OUTLET	6. 1140
ELEMENT, FUEL STRAINER	2. 3010	FLANGE, EXHAUST MUFFLER TAIL PIPE	6. 2060
ELEMENT, HYDRAULIC STARTER FILTER	12.6805	FLANGE, FRESH WATER PUMP OUTLET	
ELEMENT, INJECTOR FILTER	2. 1110	PACKING	5. 1230
ELEMENT, LUBE OIL STRAINER	4. 2010	FLANGE, GAS CROSSOVER TUBE	2. 4182
ELEMENT, OIL FILTER	2. 8986	FLANGE, OIL COOLER BYPASS TUBE	4. 4177
ELEMENT, OIL FILTER	4. 2250	FLANGE, OIL COOLER WATER HOLE	4. 4320
ELEMENT, OIL FILTER	9. 1780	FLANGE, OIL TANK OUTLET	8. 3865
ELEMENT, OIL FILTER (TWIN AND QUAD)	9. 3652	FLANGE, PROPELLER DRIVE	9. 1430
ELEMENT, OIL STRAINER	9. 1655	FLANGE, PROPELLER DRIVE SHAFT COUPLING	
		(TWIN AND QUAD)	9. 3450

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
F		G	
FLANGE, RAW WATER PUMP COUPLING DRIVEN SHAFT END	5. 6405	GASKET SET, CYLINDER HEAD OIL	1. 2020
FLANGE, THERMO FAN DRIVE	5. 4368	GASKET, ACCESSORY DRIVE	1. 7604
FLANGE, TRANSMISSION	9. 9247	GASKET, ACCESSORY DRIVE ADAPTOR	1. 7623
FLANGE, TRANSMISSION OIL FILLER TUBE PACKING	9. 9514	GASKET, AIR CLEANER BOTTOM	3. 1060
FLANGE, TURBOCHARGER EXHAUST INLET	3. 5315	GASKET, AIR CLEANER COVER	3. 1025
FLANGE, WATER TEMPERATURE BELLOWS CAPILLARY	7. 4696	GASKET, AIR CLEANER CUP	3. 1015
FLYWHEEL	1. 4000A	GASKET, AIR CLEANER MOUNTING ADAPTOR	3. 1087
FLYWHEEL AND FORWARD CLUTCH KIT	9. 1203	GASKET, AIR CLEANER SCREEN	3. 1055
FLYWHEEL ASSY.	1. 4001	GASKET, AIR COMPRESSOR ADAPTOR	12.4025
FLYWHEEL ASSY., REVERSE GEAR	9. 1200	GASKET, AIR COMPRESSOR BOOSTER TUBE	12.4380
FLYWHEEL ASSY., TORQUE CONVERTER	8. 3230	GASKET, AIR COMPRESSOR MOUNTING	12.4005
FLYWHEEL HOUSING ADAPTOR	1. 5000B	GASKET, AIR COMPRESSOR MOUNTING BRACKET	12.4012
FLYWHEEL, DISCONNECT CLUTCH BETWEEN TORQUE CONVERTER AND EQUIPMENT	8. 1009	GASKET, AIR HEATER COVER	7. 8170
FLYWHEEL, HOUSING	1. 5000A	GASKET, AIR HEATER INSULATOR	7. 8140
FLYWHEEL, TRANSMISSION	9. 9045	GASKET, AIR INLET HOUSING	3. 3010
FOLLOWER ASSY., AUTOMATIC STARTING CONTRACT SPRING AND CAM	7. 2290	GASKET, AIR INLET HOUSING BYPASS BLOWER COVER	3. 3086
FOLLOWER ASSY., CAM	1. 8260	GASKET, AIR INLET HOUSING FLANGE	3. 3007
FOLLOWER, INJECTOR	2. 1060	GASKET, AIR INLET HOUSING STRIKER PLATE	3. 3030
FORK, CLUTCH RELEASE	8. 1280	GASKET, AIR STARTER MOUNTING	12.6085
FORK, FUEL PUMP COUPLING	2. 2220	GASKET, BALANCE WEIGHT COVER	1. 7480
FORK, GOVERNOR OPERATING	8. 3430	GASKET, BALANCE WEIGHT COVER HOLE COVER	1. 7500
FORK, GOVERNOR OPERATING SHAFT-LOWER	2. 7290	GASKET, BEARING HOUSING	8. 3076
FORK, GOVERNOR SPEED ADJUSTING LINKAGE SPRING	2. 8435	GASKET, BILGE PUMP PRIMING PLATE COVER	12.2187
FORK, HYDRAULIC STARTER CLUTCH	12.6509	GASKET, BLOWER	3. 4010
FRAME ASSY., STARTING MOTOR COMMUTATOR END	7. 3125	GASKET, BLOWER DRIVE COVER	3. 4210
FRESH WATER PUMP	5. 1000	GASKET, BLOWER DRIVE GEAR HUB SUPPORT	3. 4360
FRESH WATER PUMP COVER	5. 1000A	GASKET, BLOWER HOUSING AIR HEATER PAD COVER	3. 4240
FUEL FILTER AND STRAINER	2. 3000A	GASKET, BLOWER HOUSING END PLATE COVER	3. 4190
FUEL INJECTOR	2. 1000A	GASKET, BREATHING BODY OR SEPARATOR	4. 8070
FUEL LINES AND FUEL COOLER	2. 5000A	GASKET, BREATHING SHELL COVER	4. 8057
FUEL MANIFOLD AND/OR CONNECTIONS	2. 4000	GASKET, BREATHING TUBE	4. 8020
FUEL PUMP	2. 2000	GASKET, CLUTCH DRIVE SHAFT BEARING RETAINER	8. 1697
FUEL TANK	2. 6000A	GASKET, CLUTCH HOUSING INSPECTION HOLE COVER	8. 1070
FUEL, PUMP DRAIN	2. 2000A	GASKET, CLUTCH PILOT BEARING RETAINER	1. 4050
FUSE, ENGINE WIRING HARNESS	7. 7005	GASKET, CLUTCH RELEASE BEARING SLEEVE COVER	8. 1430
G		GASKET, CONVERTER HOUSING COVER	8. 3262
GAGE, OIL TEMPERATURE	7. 4077	GASKET, CONVERTER OIL FILTER COVER SCREW	8. 3877
GAGE, AIR PRESSURE	7. 4024	GASKET, CONVERTER OIL FILTER SHELL	8. 3875
GAGE, FUEL PRESSURE	7. 4091	GASKET, CONVERTER PRESSURE PUMP	8. 3610
GAGE, FUEL TANK	2. 6010	GASKET, CRANKSHAFT FRONT COVER	1. 3170
GAGE, HYDRAULIC STARTER PRESSURE	12.6585	GASKET, CRANKSHAFT FRONT COVER GOVERNOR HOLE COVER	1. 3177
GAGE, OIL PRESSURE-ENGINE	7. 4070	GASKET, CRANKSHAFT FRONT COVER LARGE HOLE COVER	1. 3198
GAGE, OIL PRESSURE-REVERSE GEAR OR TORQUE CONVERTER	7. 4071	GASKET, CRANKSHAFT FRONT COVER SMALL HOLE COVER	1. 3196
GAGE, WATER TEMPERATURE	7. 4080	GASKET, CYLINDER BLOCK END PLATE - REAR	1. 1032
GASKET AND SEAL KIT, TORQUE CONVERTER OVERHAUL	8. 3005	GASKET, CYLINDER BLOCK END PLATE-FRONT	1. 1030
GASKET KIT, CYLINDER HEAD OVERHAUL	1. 2002	GASKET, CYLINDER BLOCK HAND HOLE COVER	1. 1050
GASKET KIT, ENGINE OVERHAUL	1. 1002	GASKET, CYLINDER BLOCK WATER HOLE COVER	1. 1070
GASKET KIT, HEAT EXCHANGER OVERHAUL	5. 5005	GASKET, CYLINDER HEAD AIR INLET ADAPTOR	2. 9872
GASKET KIT, OIL PUMP OVERHAUL	4. 1002	GASKET, CYLINDER HEAD COMPRESSION	1. 2010
GASKET SET, BILGE PUMP BODY	12.2030		
GASKET SET, CYLINDER HEAD	1. 2015		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
G		G	
GASKET, CYLINDER HEAD GOVERNOR HOLE COVER	1. 2060	GASKET, FUEL PUMP OIL SEAL	2. 2071
GASKET, CYLINDER HEAD OIL DRAIN TUBE	4. 1641	GASKET, FUEL PUMP TO ENGINE	2. 2007
GASKET, CYLINDER HEAD VENT	4. 8110	GASKET, FUEL PUMP VALVE PLUG	2. 2180
GASKET, CYLINDER HEAD WATER AND OIL	1. 2022	GASKET, FUEL ROD HOUSING	2. 8076
GASKET, DIPSTICK	4. 6010	GASKET, FUEL STRAINER COVER	2. 3090
GASKET, DRAIN TANK BASE RING	1. 1210	GASKET, FUEL STRAINER COVER PLUG	2. 3110
GASKET, DRAIN TANK RETAINER BOTTOM	1. 1230	GASKET, FUEL STRAINER COVER SCREW	2. 3130
GASKET, DRIVE TO GOVERNOR	2. 8760	GASKET, FUEL STRAINER ELEMENT-TOP	2. 3020
GASKET, ENGINE LIFTER BRACKET	1. 2090	GASKET, FUEL TANK CAP	2. 6035
GASKET, EXHAUST FLANGE WATER OUTLET FLANGE	6. 2112	GASKET, GAS CROSSOVER TUBE FLANGE	2. 4183
GASKET, EXHAUST MANIFOLD	6. 1010	GASKET, GAS GOVERNOR END PLATE	2. 7059
GASKET, EXHAUST MANIFOLD COVER PLATE	6. 1110	GASKET, GAS GOVERNOR INLET FLANGE	2. 4173
GASKET, EXHAUST MANIFOLD FLANGE	5. 5610	GASKET, GAS MANIFOLD HAND HOLE COVER PLUG	2. 4213
GASKET, EXHAUST MANIFOLD PLATE	5. 5640	GASKET, GEAR BOX DIPSTICK (TWIN AND QUAD)	9. 3423
GASKET, EXHAUST MANIFOLD WATER OUTLET FLANGE	6. 1150	GASKET, GEAR BOX DRIVE GEAR BEARING RETAINER (TWIN AND QUAD)	9. 3036
GASKET, EXHAUST MUFFLER TAIL PIPE FLANGE	6. 2070	GASKET, GEAR BOX DRIVE SHAFT OIL RESERVOIR (TWIN AND QUAD)	9. 3269
GASKET, EXHAUST OUTLET	6. 2105	GASKET, GEAR BOX OIL LINE FLANGE COVER (TWIN AND QUAD)	9. 3444
GASKET, EXPANSION TANK CAP	5. 5160	GASKET, GEAR BOX OIL PAN (TWIN AND QUAD)	9. 3170
GASKET, EXPANSION TANK COVER	5. 5021	GASKET, GEAR BOX OR CHAIN CASE BREATHER AND FILLER (TWIN AND QUAD)	9. 3290
GASKET, EXPANSION TANK FILLER NECK	5. 5130	GASKET, GEAR BOX OR CHAIN CASE HOUSING COVER (TWIN AND QUAD)	9. 3270
GASKET, EXPANSION TANK INLET CONNECTION	5. 3322	GASKET, GEAR BOX OR CHAIN CASE OUTPUT SHAFT BEARING HOUSING (TWIN AND QUAD)	9. 3047
GASKET, EXPANSION TANK OUTLET CONNECTION	5. 3321	GASKET, GEAR BOX OR CHAIN CASE OUTPUT SHAFT BEARING OIL SEAL RETAINER (TWIN AND QUAD)	9. 3140
GASKET, FAN BLADE	5. 4012	GASKET, GEAR BOX OUTPUT SHAFT BEARING COVER (TWIN AND QUAD)	9. 3096
GASKET, FAN SHAFT BEARING	5. 4220	GASKET, GEAR BOX RAW WATER INLET COVER (TWIN AND QUAD)	9. 3435
GASKET, FLANGE MOUNTED ALTERNATOR ADAPTOR	7. 1589	GASKET, GEAR BOX RAW WATER OUTLET COVER (TWIN AND QUAD)	9. 3442
GASKET, FLYWHEEL HOUSING	1. 5010	GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER	7. 1525
GASKET, FLYWHEEL HOUSING ADAPTOR	1. 5135	GASKET, GOVERNOR BODY TO BASE	8. 3390
GASKET, FLYWHEEL HOUSING BELL	1. 5020	GASKET, GOVERNOR BREATHER HOLE COVER	2. 7006
GASKET, FLYWHEEL HOUSING COVER	9. 1610	GASKET, GOVERNOR COVER	2. 7051
GASKET, FLYWHEEL HOUSING DIPSTICK	1. 5112	GASKET, GOVERNOR COVER	2. 8045
GASKET, FLYWHEEL HOUSING INSPECTION HOLE COVER	1. 5090	GASKET, GOVERNOR DRIVE FLEXIBLE SHAFT ADAPTOR	2. 8029
GASKET, FLYWHEEL HOUSING LARGE HOLE COVER	1. 5040	GASKET, GOVERNOR FUEL ROD SPRING COVER	2. 8086
GASKET, FLYWHEEL HOUSING OIL HOLE COVER	1. 5118	GASKET, GOVERNOR HIGH SPEED SPRING COVER	2. 7650
GASKET, FLYWHEEL HOUSING SMALL HOLE COVER	1. 5060	GASKET, GOVERNOR HOLE COVER	2. 6568
GASKET, FLYWHEEL HOUSING VENT COVER	1. 5116	GASKET, GOVERNOR HOUSING DUMMY HOLE PLUG	2. 8210
GASKET, FLYWHEEL HOUSING WATER HOLE COVER	1. 5120	GASKET, GOVERNOR RELIEF VALVE	2. 8640
GASKET, FORWARD CLUTCH DUMP VALVE SPRING COVER	9. 1280	GASKET, GOVERNOR SPEED ADJUSTING SHAFT	2. 8363
GASKET, FRESH WATER EXPANSION TANK	5. 5100	GASKET, GOVERNOR SPEED ADJUSTING SHAFT SPACER CAP	2. 8367
GASKET, FRESH WATER PUMP	5. 1010		
GASKET, FRESH WATER PUMP BODY COVER	5. 1032		
GASKET, FUEL COOLER COVER	5. 5428		
GASKET, FUEL FILTER COVER SCREW	2. 3420		
GASKET, FUEL FILTER COVER SHELL	2. 3400		
GASKET, FUEL FILTER ELEMENT-BOTTOM	2. 3340		
GASKET, FUEL FILTER MOUNTING PLATE	2. 3540		
GASKET, FUEL FILTER SPACER	2. 3520		
GASKET, FUEL PUMP DRIVE ADAPTOR	2. 2280		
GASKET, FUEL PUMP HOUSING	2. 2020		
GASKET, FUEL PUMP MOUNTING PLATE	2. 2237		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
G		G	
GASKET, GOVERNOR SPEED CONTROL LEVER SPRING COVER	2. 7748	GASKET, OIL COOLER HOUSING PAD COVER . . .	4. 4090
GASKET, GOVERNOR SUB-CAP TO HOUSING . . .	2. 8260	GASKET, OIL COOLER INLET AND OUTLET TUBE	4. 4200
GASKET, GOVERNOR TO BLOWER	2. 8035	GASKET, OIL COOLER WATER HOLE FLANGE . . .	4. 4325
GASKET, GOVERNOR TO BLOWER-GOVERNOR DRIVE	2. 7010	GASKET, OIL COOLER WATER INLET CONNECTION	4. 4212
GASKET, GOVERNOR TO CYLINDER HEAD . . .	2. 7020	GASKET, OIL COOLER WATER INLET CONNECTION	5. 3360
GASKET, GOVERNOR TO CYLINDER HEAD . . .	2. 8036	GASKET, OIL COOLER WATER OUTLET ELBOW . . .	4. 4230
GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING	2. 7700	GASKET, OIL FILLER CAP	4. 5015
GASKET, GOVERNOR WEIGHT HOUSING CAP . . .	2. 7515	GASKET, OIL FILLER HOLE COVER	4. 5080
GASKET, GOVERNOR WEIGHT HOUSING COVER . .	2. 7530	GASKET, OIL FILLER TUBE ADAPTOR	4. 5007
GASKET, HEAT EXCHANGER COVER	5. 5050	GASKET, OIL FILTER ADAPTOR	4. 2350
GASKET, HEAT EXCHANGER INLET TUBE	5. 6587	GASKET, OIL FILTER ADAPTOR TO OIL COOLER ADAPTOR	4. 2293
GASKET, HEAT EXCHANGER RAW WATER INLET TUBE	5. 5460	GASKET, OIL FILTER BYPASS PLUG	4. 2489
GASKET, HEAT EXCHANGER TANK INLET CONNECTION	5. 3323	GASKET, OIL FILTER BYPASS VALVE PLUG . . .	8. 3890
GASKET, HEAT EXCHANGER TANK OUTLET CONNECTION	5. 3325	GASKET, OIL FILTER BYPASS VALVE PLUG . . .	9. 1799
GASKET, HEAT EXCHANGER WATER OUTLET TUBE	5. 5570	GASKET, OIL FILTER BYPASS VALVE PLUG . . .	9. 9614
GASKET, HYDRAULIC GEAR OIL STRAINER TO PUMP TUBE	9. 1725	GASKET, OIL FILTER BYPASS VALVE PLUG (TWIN AND QUAD)	9. 3695
GASKET, HYDRAULIC MARINE GEAR OIL PUMP . .	9. 1480	GASKET, OIL FILTER COVER	4. 2300
GASKET, HYDRAULIC MARINE GEAR OIL PUMP ADAPTOR	9. 1478	GASKET, OIL FILTER COVER	9. 1785
GASKET, HYDRAULIC PUMP	12.5005	GASKET, OIL FILTER COVER	9. 9585
GASKET, HYDRAULIC PUMP ADAPTOR	12.5021	GASKET, OIL FILTER COVER (TWIN AND QUAD) . .	9. 3665
GASKET, HYDRAULIC PUMP CONTROL VALVE TUBE	9. 1594	GASKET, OIL FILTER COVER NUT	4. 2330
GASKET, HYDRAULIC PUMP COVER	9. 1495	GASKET, OIL FILTER COVER NUT	9. 9600
GASKET, HYDRAULIC PUMP OIL INLET TUBE . .	9. 1580	GASKET, OIL FILTER COVER NUT (TWIN AND QUAD)	9. 3675
GASKET, HYDRAULIC PUMP VALVE SCREW . . .	9. 1535	GASKET, OIL FILTER ELEMENT	2. 8987
GASKET, HYDRAULIC STARTER	12.6502	GASKET, OIL FILTER STUD	9. 1788
GASKET, HYDRAULIC STARTER ENGINE PUMP . .	12.6592	GASKET, OIL LINE FLANGE COVER	9. 1187
GASKET, HYDRAULIC STARTER ENGINE PUMP BODY	12.6598	GASKET, OIL PAN COVER	4. 7130
GASKET, HYDRAULIC STARTER MOTOR HOUSING	12.6530	GASKET, OIL PAN DRAIN PLUG	4. 7090
GASKET, IDLER PULLEY COVER	5. 4328	GASKET, OIL PAN HAND HOLE	4. 7060
GASKET, INJECTOR CONTROL AIR CYLINDER . .	2. 9091	GASKET, OIL PAN SUMP	4. 7150
GASKET, INJECTOR FILTER CAP	2. 1140	GASKET, OIL PAN TO BLOCK	4. 7030
GASKET, INSTRUMENT PANEL HOUSING	7. 4007	GASKET, OIL PRESSURE REGULATOR BODY . . .	4. 1730
GASKET, LOWER OIL PAN	4. 7040	GASKET, OIL PUMP INLET PIPE	4. 1520
GASKET, LUBE OIL STRAINER CENTER STUD . .	4. 2100	GASKET, OIL PUMP OUTLET PIPE	4. 1590
GASKET, LUBE OIL STRAINER COVER	4. 2040	GASKET, OIL PUMP OUTLET PIPE BYPASS VALVE BODY	4. 1655
GASKET, MARINE GEAR HOUSING COVER	9. 1836	GASKET, OIL PUMP OUTLET PIPE BYPASS VALVE PLUG	4. 1650
GASKET, MARINE GEAR TO GEAR BOX TO OIL STRAINER TUBE	9. 1735	GASKET, OIL PUMP PAD COVER	4. 1300
GASKET, MASTER CYLINDER RESERVOIR COVER	12.6813	GASKET, OIL PUMP RELIEF VALVE	4. 1280
GASKET, OIL COOLER ADAPTOR COVER	4. 4117	GASKET, OIL SEAL TO BODY	8. 3660
GASKET, OIL COOLER ADAPTOR TO BLOCK . . .	4. 4115	GASKET, OIL STRAINER COVER	9. 1680
GASKET, OIL COOLER BYPASS TUBE	4. 4180	GASKET, OIL STRAINER COVER NUT	9. 1690
GASKET, OIL COOLER BYPASS TUBE FLANGE . .	4. 4178	GASKET, OIL STRAINER ELEMENT	9. 1660
GASKET, OIL COOLER BYPASS VALVE HOUSING	4. 4131	GASKET, OIL TANK HAND HOLE COVER	8. 3850
GASKET, OIL COOLER BYPASS VALVE PLUG . . .	4. 4170	GASKET, OIL TANK OUTLET FLANGE	8. 3866
GASKET, OIL COOLER CORE-INNER	4. 4030	GASKET, OIL TANK SCREEN	8. 3856
GASKET, OIL COOLER CORE-OUTER	4. 4040	GASKET, OVERSPEED GOVERNOR ADAPTOR HUB	7. 4609
GASKET, OIL COOLER HOUSING	4. 4055	GASKET, OVERSPEED TRIP DRIVE SHAFT ADAPTOR	3. 3240
		GASKET, OVERSPEED TRIP GOVERNOR ADAPTOR	7. 4638
		GASKET, POWER TAKE-OFF ADAPTOR HOUSING	8. 1901
		GASKET, PRESSURE PUMP BODY	8. 3668

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
G		G	
GASKET, PRESSURE PUMP MOUNTING	8. 3640	GASKET, TRANSMISSION CONTROL VALVE	
GASKET, PRESSURE PUMP VALVE	8. 3635	ACCUMULATOR VALVE COVER	9. 9402
GASKET, RADIATOR FILLER NECK	5. 3110	GASKET, TRANSMISSION CONTROL VALVE	
GASKET, RADIATOR INLET CONNECTION	5. 3280	BODY	9. 9382
GASKET, RADIATOR LOWER TANK COVER	5. 3090	GASKET, TRANSMISSION CONTROL VALVE	
GASKET, RADIATOR OUTLET CONNECTION	5. 3320	COVER	9. 9409
GASKET, RADIATOR TANK	5. 3040	GASKET, TRANSMISSION COUNTERSHAFT	
GASKET, RADIATOR UPPER TANK COVER	5. 3070	REAR BEARING CAP	9. 9090
GASKET, RAW WATER OUTLET COVER	9. 2022	GASKET, TRANSMISSION HOUSING COVER	9. 9015
GASKET, RAW WATER PUMP	5. 6350	GASKET, TRANSMISSION HOUSING SUMP PAN	9. 9019
GASKET, RAW WATER PUMP ADAPTOR	5. 6012	GASKET, TRANSMISSION LOCKUP GOVERNOR	9. 9474
GASKET, RAW WATER PUMP COVER	5. 6100	GASKET, TRANSMISSION LOCKUP GOVERNOR	
GASKET, RAW WATER PUMP FLANGE	5. 5410	ADAPTOR	9. 9469
GASKET, RAW WATER PUMP HOUSING	5. 6080	GASKET, TRANSMISSION MAINSHAFT DRIVE	
GASKET, RAW WATER PUMP INLET ELBOW	5. 6574	GEAR BEARING CAP	9. 9275
GASKET, RAW WATER PUMP OUTLET TUBE	5. 6581	GASKET, TRANSMISSION MAINSHAFT FRONT	
GASKET, REAR DISCONNECT CLUTCH COVER	8. 3347	BEARING RETAINER	9. 9029
GASKET, REAR DISCONNECT CLUTCH		GASKET, TRANSMISSION OIL OUTPUT PUMP	9. 9482
HOUSING	8. 3302	GASKET, TRANSMISSION OIL PUMP	9. 9287
GASKET, REDUCTION GEAR BEARING COVER	9. 1370	GASKET, TRANSMISSION OIL PUMP BODY	
GASKET, REDUCTION GEAR COVER PLATE	8. 1926	COVER	9. 9335
GASKET, REDUCTION GEAR DIPSTICK	9. 1405	GASKET, TRANSMISSION OIL PUMP ELBOW	9. 9339
GASKET, REDUCTION GEAR HOUSING	8. 1922	GASKET, TRANSMISSION OIL PUMP LOWER	
GASKET, REDUCTION GEAR OIL LINE FLANGE	9. 1425	INLET TUBE-AT SCREEN	4. 1662
GASKET, REDUCTION GEAR OIL SUMP	9. 1390	GASKET, TRANSMISSION REGULATOR VALVE	
GASKET, REVERSE GEAR	9. 2010	BODY	9. 9352
GASKET, REVERSE GEAR DRIVE SHAFT		GASKET, TRANSMISSION REGULATOR VALVE	
BEARING HOUSING	9. 1125	BODY COVER	9. 9372
GASKET, REVERSE GEAR HOUSING	9. 1015	GASKET, TRANSMISSION TORQUE CONVERTER	
GASKET, REVERSE GEAR OIL DEFLECTOR	9. 1620	HOUSING COVER	9. 9206
GASKET, REVERSE GEAR OIL INLET TUBE	9. 1590	GASKET, TURBOCHARGER AIR INLET	
GASKET, REVERSE GEAR OIL OUTLET TUBE	9. 1600	CONNECTION	3. 1262
GASKET, ROCKER COVER	1. 8455	GASKET, TURBOCHARGER AIR INLET ELBOW	3. 5402
GASKET, SELECTOR VALVE HOUSING	9. 1140	GASKET, TURBOCHARGER AIR INLET HOUSING	
GASKET, SELECTOR VALVE PRESSURE		COVER	3. 5397
REGULATOR	9. 1191	GASKET, TURBOCHARGER AIR OUTLET ELBOW	3. 5418
GASKET, SHUTOFF SOLENOID ADAPTOR	2. 9063	GASKET, TURBOCHARGER EXHAUST INLET	
GASKET, STARTING AID TANK PRESSURE CAP	12.6362	CONNECTION	3. 5307
GASKET, STARTING FLUID STRAINER ASSY.	12.6390	GASKET, TURBOCHARGER EXHAUST OUTLET	3. 5325
GASKET, STARTING MOTOR	7. 3004	GASKET, TURBOCHARGER NOZZLE RING	3. 5007
GASKET, STARTING MOTOR HOLE COVER	1. 5075	GASKET, TURBOCHARGER OIL RETURN COVER	3. 5504
GASKET, STARTING MOTOR SOLENOID		GASKET, VACUUM PUMP	12.3005
PLUNGER COVER	7. 3420	GASKET, WATER BAFFLE	5. 5016
GASKET, STARTING MOTOR SOLENOID		GASKET, WATER BYPASS TUBE ADAPTOR	5. 2287
TERMINAL PLATE	7. 3313	GASKET, WATER BYPASS TUBE TO EXHAUST	
GASKET, TACHOMETER DRIVE ADAPTOR	7. 4445	MANIFOLD	5. 2163
GASKET, TACHOMETER DRIVE COVER		GASKET, WATER BYPASS TUBE-LOWER	5. 2180
ADAPTOR	7. 4455	GASKET, WATER BYPASS TUBE-UPPER	5. 2170
GASKET, THERMOSTAT HOUSING	5. 2110	GASKET, WATER ELBOW MANIFOLD OUTLET	5. 2215
GASKET, THERMOSTAT HOUSING COVER	5. 2130	GASKET, WATER FILTER COVER	5. 7035
GASKET, THERMOSTAT HOUSING COVER	5. 2206	GASKET, WATER FLANGE AT GEAR AND/OR	
GASKET, TRANSFER GEAR DRIVE SHAFT OR		RAW WATER PUMP	5. 5378
GEAR BOX DRIVE GEAR COVER (TWIN		GASKET, WATER OUTLET MANIFOLD	5. 2010
AND QUAD)	9. 3018	GASKET, WATER OUTLET MANIFOLD ELBOW	5. 2037
GASKET, TRANSFER GEAR HOUSING OIL		GASKET, WATER OUTLET MANIFOLD HOLE	
DRAIN TUBE (TWIN AND QUAD)	9. 3482	COVER	5. 2040
GASKET, TRANSFER GEAR OR GEAR BOX		GASKET, WATER PUMP BYPASS TUBE COVER	5. 1247
CHAIN CASE HOUSING (TWIN AND QUAD)	9. 3015	GASKET, WATER PUMP COVER	5. 1236
GASKET, TRANSFER GEAR OUTPUT SHAFT		GASKET, WATER PUMP INLET AND OUTLET	
BEARING RETAINER (TWIN AND QUAD)	9. 3099	ELBOW	5. 3337
GASKET, TRANSMISSION CONTROL SOLENOID	9. 9419	GASKET, WATER TEMPERATURE SWITCH	7. 4510
		GASOLINE STARTER	12.6000A

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
G		G	
GAUGE, PRESSURE AIR STARTER	12.6140	GEAR, TRANSMISSION MAINSHAFT FORWARD DRIVE	9. 9133
GEAR AND SHAFT ASSY., GOVERNOR DRIVE	2. 8815	GEAR, TRANSMISSION MAINSHAFT REVERSE DRIVE	9. 9137
GEAR ASSY., HYDRAULIC MARINE	9. 1001	GEAR, TRANSMISSION OIL OUTPUT PUMP DRIVE SHAFT	9. 9487
GEAR ASSY., IDLER	1. 7220	GEAR, TRANSMISSION OIL OUTPUT PUMP IDLER	9. 9492
GEAR ASSY., PLANETARY	9. 1080	GEAR, TRANSMISSION OIL PUMP DRIVEN	9. 9315
GEAR ASSY., REVERSE AND REDUCTION	9. 2001	GEAR, TRANSMISSION OIL PUMP DRIVING	9. 9300
GEAR BOX ASSY. (TWIN AND QUAD)	9. 3002	GEAR, TRANSMISSION REVERSE IDLER	9. 9250
GEAR OR SPROCKET, GEAR BOX OR CHAIN CASE DRIVE (TWIN AND QUAD)	9. 3021	GEAR, VERNIER THROTTLE CONTROL WORM	2. 9141
GEAR OR SPROCKET, GEAR BOX OR CHAIN CASE DRIVEN (TWIN AND QUAD)	9. 3041	GENERATOR ASSY.	7. 1001
GEAR REDUCTION	9. 1310	GENERATOR ASSY., POWER	7. 5001
GEAR SET, BLOWER ROTOR	3. 4080	GLAND, BILGE PUMP SHAFT PACKING	12.2070
GEAR, ACCESSORY DRIVE	1. 7670	GLAND, FUEL STRAINER HANDLE STUFFING BOX	2. 3190
GEAR, ACCESSORY DRIVE SHAFT	1. 7642	GLAND, HEAT EXCHANGER SEAL RETAINER	5. 5027
GEAR, AUTOMATIC STARTING DRIVE	7. 2325	GLAND, RAW WATER PUMP SHAFT PACKING	5. 6180
GEAR, AUTOMATIC STARTING DRIVEN	7. 2270	GOVERNOR ASSY.	2. 6501
GEAR, BLOWER DRIVE	3. 4300	GOVERNOR ASSY.	2. 7001
GEAR, CAMSHAFT AND BALANCE SHAFT	1. 7200	GOVERNOR ASSY.	2. 8030
GEAR, CRANKSHAFT TIMING	1. 3145	GOVERNOR, OVERSPEED TRIP	3. 3140
GEAR, FLYWHEEL RING	1. 4010	GOVERNOR, OVERSPEED TRIP	7. 4611
GEAR, FLYWHEEL RING	8. 3235	GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT	8. 3077
GEAR, FUEL PUMP DRIVE	2. 2087	GOVERNOR, TRANSMISSION LOCKUP	9. 9472
GEAR, FUEL PUMP DRIVE	2. 2290	GRILLE, RADIATOR	5. 3210
GEAR, FUEL PUMP DRIVEN	2. 2088	GUARD, CRANKSHAFT PULLEY DRIVE BELT	5. 4585
GEAR, GAS GOVERNOR VALVE	2. 7070	GUARD, EXHAUST MUFFLER	6. 2040
GEAR, GENERATOR STEP-UP	1. 7750	GUARD, FAN	5. 4580
GEAR, GOVERNOR DRIVE	8. 3080	GUARD, FLANGE MOUNTED ALTERNATOR FAN	7. 1586
GEAR, GOVERNOR DRIVEN SHAFT	2. 8805	GUARD, GENERATOR DRIVE BELT AND PULLEY	7. 1585
GEAR, GOVERNOR MOTOR DRIVE SHAFT	2. 8186	GUARD, HYDRAULIC STARTER ENGINE PUMP BELT	12.6672
GEAR, GOVERNOR OIL PUMP DRIVE	2. 8720	GUARD, WATER PUMP, GENERATOR BELT PUMP HALF AND GENERATOR HALF	5. 4590
GEAR, GOVERNOR OIL PUMP DRIVEN	2. 8730	GUIDE ASSY., CLUTCH RELEASE BEARING	8. 1380
GEAR, HYDRAULIC PUMP DRIVE	12.5030	GUIDE OVERSPEED TRIP GOVERNOR SWITCH	7. 4655
GEAR, IDLER	1. 7222	GUIDE, CAM FOLLOWER	1. 8300
GEAR, INJECTOR	2. 1180	GUIDE, DIPSTICK	4. 6020
GEAR, OIL PUMP DRIVE	4. 1090	GUIDE, EXHAUST VALVE	1. 8320
GEAR, OIL PUMP DRIVE-ON CRANKSHAFT	4. 1310	GUIDE, EXHAUST VALVE BRIDGE	1. 8345
GEAR, OIL PUMP DRIVE-ON PUMP	4. 1380	GUIDE, FLYWHEEL HOUSING DIPSTICK	1. 5114
GEAR, OIL PUMP DRIVEN	4. 1200	GUIDE, FREEWHEEL ROLLER	8. 3167
GEAR, OIL PUMP DRIVEN (TWIN AND QUAD)	9. 3512	GUIDE, FRESH WATER PUMP SEAL SPRING	5. 1150
GEAR, OIL PUMP IDLER	4. 1340	GUIDE, FUEL PUMP ROTOR SPRING	2. 2120
GEAR, PRESSURE PUMP DRIVE	8. 3745	GUIDE, GOVERNOR CONTROL PISTON SPRING	2. 7744
GEAR, PRESSURE PUMP IDLER	8. 3735	GUIDE, GOVERNOR SPRING	2. 7620
GEAR, RAW WATER PUMP DRIVE	5. 6320	GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER	2. 7780
GEAR, RAW WATER PUMP DRIVEN	5. 6330	GUIDE, INJECTOR FOLLOWER	2. 1070
GEAR, REDUCTION GEAR DRIVE	8. 1928	GUIDE, INJECTOR VALVE SEAT	2. 1248
GEAR, REDUCTION GEAR DRIVEN	8. 1930	GUIDE, REDUCTION GEAR DIPSTICK	8. 1955
GEAR, REVERSE GEAR FLYWHEEL RING	9. 1205	GUIDE, REDUCTION GEAR DIPSTICK	9. 1400
GEAR, REVERSE RING	9. 1040	GUIDE, THROTTLE CONTROL KNOB SHAFT	2. 9102
GEAR, REVERSE SUN	9. 1070	GUIDE, TRANSFER GEAR OR GEAR BOX OR CHAIN CASE DIPSTICK (TWIN AND QUAD)	9. 3425
GEAR, TRANSFER GEAR DRIVE (TWIN AND QUAD)	9. 3020	GUIDE, TRANSMISSION OIL DIPSTICK	9. 9508
GEAR, TRANSFER GEAR DRIVEN (TWIN AND QUAD)	9. 3040		
GEAR, TRANSMISSION COUNTERSHAFT FORWARD DRIVEN	9. 9143		
GEAR, TRANSMISSION COUNTERSHAFT REVERSE DRIVEN	9. 9147		
GEAR, TRANSMISSION FLYWHEEL RING	9. 9046		
GEAR, TRANSMISSION LOCKUP GOVERNOR DRIVE	9. 9422		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
H		H	
HANDLE, FUEL FILTER	2. 3505	HOSE, HEAT EXCHANGER RAW WATER INLET TUBE	5. 5470
HANDLE, FUEL STRAINER	2. 3170	HOSE, HEAT EXCHANGER RAW WATER INLET TUBE	5. 6586
HANDLE, HYDRAULIC STARTER CONTROL SHAFT	12.6514	HOSE, HEAT EXCHANGER WATER OUTLET TUBE	5. 5580
HANDLE, HYDRAULIC STARTER HAND PUMP	12.6646	HOSE, HYDRAULIC STARTER	12.6827
HANGER, THROTTLE BOOSTER SPRING	2. 9349	HOSE, HYDRAULIC STARTER ENGINE PUMP TO ACCUMULATOR	12.6850
HARNESS ASSY., ACTUATOR	2. 6585	HOSE, HYDRAULIC STARTER ENGINE PUMP TO RESERVOIR	12.6870
HARNESS ASSY., MAGNETIC PICKUP	2. 6590	HOSE, HYDRAULIC STARTER FILTER TO ENGINE PUMP	12.6840
HARNESS ASSY., WRG. ELEC. PICKUP.	2. 6591	HOSE, HYDRAULIC STARTER FILTER TO HAND PUMP	12.6845
HARNESS, AIR HEATER WIRING	7. 8095	HOSE, HYDRAULIC STARTER FLEXIBLE (BULK)	12.8520
HARNESS, AIR SHUTOFF WIRING	7. 4545	HOSE, HYDRAULIC STARTER FUEL PRIMER	12.6950
HARNESS, AUTOMATIC STARTING WIRING	7. 2370	HOSE, HYDRAULIC STARTER RELIEF VALVE	12.6880
HARNESS, BATTERY CHARGING GENERATOR ARMATURE TO VOLTAGE REGULATOR WIRING	7. 7240	HOSE, HYDRAULIC STARTER RESERVOIR TO FILTER	12.6830
HARNESS, BATTERY CHARGING GENERATOR FIELD TO VOLTAGE REGULATOR WIRING	7. 7235	HOSE, HYDRAULIC STARTER RESERVOIR TO HAND PUMP	12.6832
HARNESS, CONTROL CABINET TO VOLTAGE REGULATOR WIRING	7. 7245	HOSE, HYDRAULIC STARTER TO RESERVOIR	12.6865
HARNESS, CONTROL CABINET WIRING	7. 7060	HOSE, MARINE GEAR HYDRAULIC PUMP TO COOLER	4. 4336
HARNESS, ENGINE WIRING	7. 7001	HOSE, MARINE GEAR HYDRAULIC PUMP TO OIL FILTER	4. 4337
HARNESS, GENERATOR EXCITER WIRING	7. 7030	HOSE, MARINE GEAR OIL COOLER TO SELECTOR VALVE	4. 4343
HARNESS, INSTRUMENT PANEL WIRING	7. 7065	HOSE, MARINE GEAR OIL FILTER TO COOLER	4. 4338
HARNESS, STARTING MOTOR	7. 3012	HOSE, MARINE GEAR OIL TO PUMP	9. 1721
HEAD ASSY., CYLINDER	1. 2001	HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET	4. 4330
HEAT EXCHANGER OR KEEL COOLING	5. 5000A	HOSE, MARINE GEAR TO OIL PRESSURE PUMP	4. 4355
HEATER ASSY., AIR	7. 8001	HOSE, MASTER CYLINDER TO REMOTE CONTROL VALVE	12.6875
HEATING, UNIT CALROD WITH POWER GENERATOR	12.6400	HOSE, OIL COOLER WATER INLET CONNECTION	5. 3365
HINGE, RADIATOR FILLER CAP COVER	5. 3152	HOSE, OIL COOLER WATER OUTLET	4. 4240
HOLDER, STARTING MOTOR BRUSH	7. 3090	HOSE, OIL COOLER WATER OUTLET TUBE	4. 4280
HOOD ASSY., ENGINE	10.1001	HOSE, OIL DRAIN	4. 8187
HOOD ASSY., GENERATOR	10.1030	HOSE, RADIATOR INLET	5. 3290
HOOD ASSY., RADIATOR	10.1020	HOSE, RADIATOR OUTLET	5. 3330
HOOD, PRE-CLEANER	3. 1115	HOSE, RAW WATER INLET MANIFOLD	5. 5365
HOSE, AIR COMPRESSOR TUBE TO WATER OUTLET MANIFOLD	12.4096	HOSE, RAW WATER PUMP DRAIN	5. 6560
HOSE, AIR INLET PIPE	3. 1270	HOSE, THERMOSTAT HOUSING WATER OUTLET	5. 2105
HOSE, AIR SILENCER OUTLET ELBOW	3. 2023	HOSE, TRANSFER GEAR HOUSING OIL DRAIN TUBE (TWIN AND QUAD)	9. 3485
HOSE, BILGE PUMP PRIMING TUBE	12.2230	HOSE, TRANSMISSION TO OIL COOLER	9. 9530
HOSE, BREATHER EXTENSION	4. 8175	HOSE, TURBOCHARGER AIR OUTLET CONNECTION	3. 5420
HOSE, CLUTCH RELEASE BEARING	8. 1320	HOSE, WATER BYPASS TUBE	5. 2165
HOSE, CONTROL VALVE TO REGULATOR	9. 1188	HOSE, WATER BYPASS TUBE ADAPTOR	5. 2286
HOSE, DE-AERATION TANK INLET	5. 3283	HOSE, WATER BYPASS TUBE CONNECTING	5. 1270
HOSE, EXHAUST FLANGE DRAIN	6. 2088	HOSE, WATER FILTER INLET	5. 7090
HOSE, EXHAUST MANIFOLD FRESH WATER INLET	5. 3432	HOSE, WATER FILTER OUTLET	5. 7100
HOSE, EXHAUST MANIFOLD WATER OUTLET TUBE	5. 5690	HOSE, WATER OUTLET MANIFOLD TUBE	5. 2047
HOSE, EXPANSION TANK OUTLET	5. 3331	HOSE, WATER PUMP SEAL	5. 1272
HOSE, FUEL DRAIN	2. 5215	HOUSING AND WEIGHT ASSY., GOVERNOR	2. 7320
HOSE, FUEL PUMP INLET	2. 5060	HOUSING ASSY., AIR INLET	3. 3001
HOSE, FUEL PUMP TO FILTER	2. 5110	HOUSING ASSY., DRIVE	12.6030
HOSE, FUEL SUPPLY TO STRAINER	2. 5010		
HOSE, FUEL SYSTEM FLEXIBLE (BULK)	12.8550		
HOSE, FUEL TANK	6. 6005		
HOSE, GEAR TO OIL COOLER	5. 3397		
HOSE, HEAT EXCHANGER FRESH WATER OUTLET CONNECTION	5. 5310		
HOSE, HEAT EXCHANGER RAW WATER INLET NIPPLE	5. 5510		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
H		H	
HOUSING ASSY., DRIVE BENDIX	12.6100	HOUSING, VERNIER THROTTLE CONTROL	2. 9136
HOUSING ASSY., EXHAUST VALVE RESTRICTOR	6. 2133	HUB AND SPRING ASSY., CLUTCH	8. 1110
HOUSING ASSY., FLYWHEEL	1. 5001	HUB, AIR COMPRESSOR	12.4040
HOUSING ASSY., GOVERNOR	2. 8190	HUB, BLOWER DRIVE GEAR	3. 4310
HOUSING ASSY., GOVERNOR CONTROL	2. 7230	HUB, BLOWER ROTOR GEAR	3. 4130
HOUSING ASSY., GOVERNOR VARIABLE SPEED		HUB, CRANKSHAFT PULLEY	1. 3310
SPRING	2. 7680	HUB, DRIVE PULLEY	1. 7610
HOUSING ASSY., OVERSPEED TRIP GOVERNOR	7. 4614	HUB, FAN	5. 4235
HOUSING ASSY., REVERSE GEAR	9. 1010	HUB, FLEXIBLE COUPLING	8. 3250
HOUSING ASSY., TORQUE CONVERTER	8. 3010	HUB, FLYWHEEL FLEXIBLE COUPLING	1. 4080
HOUSING ASSY., TRANSFER GEAR OR GEAR		HUB, FRESH WATER PUMP DRIVEN PULLEY	5. 1216
BOX OR CHAIN CASE (TWIN AND QUAD)	9. 3010	HUB, GENERATOR DRIVE PULLEY	7. 1510
HOUSING ASSY., TURBOCHARGER		HUB, HYDRAULIC PUMP DRIVE	9. 1540
INTERMEDIATE	3. 5018	HUB, IDLER GEAR	1. 7250
HOUSING ASSY., WATER BYPASS VALVE	5. 2240	HUB, OVERSPEED GOVERNOR ADAPTOR	7. 4607
HOUSING, ACCESSORY DRIVE	1. 7627	HUB, POWER TAKE-OFF INTERNAL DRIVEN	
HOUSING, AIR INLET	3. 3003	GEAR	8. 1933
HOUSING, AIR SHUTDOWN VALVE	3. 3308	HUB, PRESSURE PUMP DRIVE	8. 3684
HOUSING, AIR SHUTOFF CONTROL	7. 4550	HUB, PUMP	8. 3110
HOUSING, BILGE PUMP IMPELLER	12.2050	HUB, TRANSMISSION TORQUE CONVERTER	
HOUSING, BLOWER	3. 4020	PUMP	9. 9175
HOUSING, CLUTCH	8. 1010	HUB, VIBRATION DAMPER	1. 3230
HOUSING, CLUTCH BEARING	8. 1013	HYDRAULIC GOVERNOR	2. 8000A
HOUSING, FUEL ROD	2. 8075	HYDRAULIC MARINE GEAR	9. 1000A
HOUSING, GAS GOVERNOR VALVE	2. 7057	HYDRAULIC PUMP	12.5000A
HOUSING, GEAR BOX OR CHAIN CASE		HYDRAULIC STARTER	12.6000D
OUTPUT SHAFT BEARING (TWIN AND		HYDRAULIC STARTER ACCESSORIES	12.6000E
QUAD)	9. 3046	HYDRAULIC STARTER FITTING KIT	12.6825
HOUSING, GOVERNOR CONTROL	2. 7235	HYDRAULIC STARTER REMOTE STARTING KIT	12.6807
HOUSING, GOVERNOR DRIVE	2. 8780		
HOUSING, GOVERNOR DRIVEN SHAFT	2. 8785		
HOUSING, GOVERNOR HIGH SPEED SPRING			
ADJUSTING SCREW	2. 7635		
HOUSING, GOVERNOR VARIABLE SPEED			
SPRING	2. 7690		
HOUSING, GOVERNOR WEIGHT	2. 7340		
HOUSING, HYDRAULIC STARTER CLUTCH	12.6510		
HOUSING, HYDRAULIC STARTER DRIVE	12.6504		
HOUSING, HYDRAULIC STARTER ENGINE PUMP			
BEARING	12.6597		
HOUSING, HYDRAULIC STARTER MOTOR	12.6525		
HOUSING, INSTRUMENT PANEL-SUPPORT	7. 4006		
HOUSING, INTERCOOLER	3. 5432		
HOUSING, MAIN BEARING	8. 3075		
HOUSING, OIL COOLER BYPASS VALVE	4. 4130		
HOUSING, OIL COOLER-ENGINE	4. 4050		
HOUSING, OVERSPEED TRIP GOVERNOR			
SWITCH	7. 4677		
HOUSING, PILLOW BLOCK	8. 1750		
HOUSING, POWER TAKE-OFF ADAPTOR	8. 1900		
HOUSING, RAW WATER PUMP DRIVE	5. 6010		
HOUSING, RAW WATER PUMP IMPELLER	5. 6020		
HOUSING, REAR DISCONNECT CLUTCH	8. 3300		
HOUSING, REDUCTION GEAR	8. 1920		
HOUSING, REVERSE GEAR DRIVE SHAFT			
BEARING	9. 1120		
HOUSING, THERMO FAN DRIVE	5. 4362		
HOUSING, THERMOSTAT	5. 2090		
HOUSING, TRANSMISSION	9. 9005		
HOUSING, TURBOCHARGER AIR INLET	3. 5390		
HOUSING, TURBOCHARGER COMPRESSOR	3. 5022		
HOUSING, TURBOCHARGER TURBINE	3. 5003		
		I	
		IDLER, PULLEY FAN BELT WITH ADJUSTING	
		ARM	5. 4325
		IMPELLER AND SHAFT ASSY., BILGE PUMP	12.2040
		IMPELLER, FRESH WATER PUMP	5. 1110
		IMPELLER, RAW WATER PUMP	5. 6230
		INDICATOR, AIR CLEANER RESTRICTION	3. 1002
		INDICATOR, AIR CLEANER RESTRICTION	3. 1007
		INJECTOR ASSY.	2. 1001
		INJECTOR CONTROLS	2. 9000
		INSERT, CYLINDER LINER	1. 6187
		INSERT, EXHAUST VALVE	1. 8330
		INSERT, FRESH WATER PUMP BODY	5. 1035
		INSTALLATION KIT, CAST ROCKER COVER	1. 8451
		INSTALLATION KIT, WATER FILTER	5. 7010
		INSTRUMENTS	7. 4000A
		INSULATION BLANKET, TURBOCHARGER	3. 5535
		INSULATION, AIR SILENCER HOUSING	3. 2030
		INSULATOR ASSY., CRANKSHAFT PULLEY HUB	1. 3311
		INSULATOR ASSY., ENGINE-REAR	1. 5108
		INSULATOR, AIR HEATER	7. 8130
		INSULATOR, GENERATOR RUBBER MOUNTING	11.1160
		INSULATOR, POWER GENERATOR CONTROL	
		CABINET TO SUPPORT	7. 6005
		INSULATOR, TIME DELAY RELAY MOUNTING	7. 4713
		INTERCOOLER, TURBOCHARGER	3. 5425
		ISOLATOR, ROCKER COVER BOLT	1. 8461

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
J		L	
JACOBS BRAKE CYLINDER	1. 8070	LEVER, CLUTCH SHIFTER SHAFT	8. 1650
JAR, PRE-CLEANER DUST	3. 1130	LEVER, GAS GOVERNOR DETENT	2. 7084
JUNCTION BLOCK, AIR CYLINDER CONTROL	1. 1053	LEVER, GAS GOVERNOR STOP	2. 7085
JUNCTION BLOCK, OIL COOLER	4. 4328	LEVER, GAS GOVERNOR STOP OPERATING	2. 7079
K		LEVER, GOVERNOR CONTROL	2. 9410
KEY, GOVERNOR WEIGHT SHAFT END		LEVER, GOVERNOR CONTROL SHAFT	2. 9390
BEARING THRUST	2. 7490	LEVER, GOVERNOR CONTROL SHAFT-REAR OF ENGINE	2. 9361
KEY, OVERSPEED TRIP	3. 3190	LEVER, GOVERNOR COVER SHUTDOWN SHAFT	2. 7165
KIT, AIR HEATER AND PUMP ASSY.	7. 8005	LEVER, GOVERNOR COVER STUB SHAFT	2. 7160
KIT, BREATHING ELEMENT	4. 8047	LEVER, GOVERNOR COVER THROTTLE SHAFT	2. 7170
KIT, CLUTCH PRESSURE PLATE	8. 1085	LEVER, GOVERNOR OPERATING SHAFT	2. 8975
KIT, CLUTCH SPRING	8. 1101	LEVER, GOVERNOR OPERATING SHAFT-UPPER	2. 7280
KIT, TIME DELAY RELAY	7. 4705	LEVER, GOVERNOR ROCKER SHAFT	8. 3450
KIT, TRANSMISSION OVERHAUL GASKET	9. 9003	LEVER, GOVERNOR SPEED ADJUSTING	2. 8420
KITS, SERVICE (ALL)	12.8715	LEVER, GOVERNOR SPEED ADJUSTING	8. 3460
KNOB, AIR HEATER PUMP PLUNGER	7. 8250	FLOATING	2. 8410
KNOB, GOVERNOR FUEL ROD	2. 8170	LEVER, GOVERNOR SPEED ADJUSTING	2. 8450
KNOB, GOVERNOR SUB-CAP FUEL ROD	2. 9358	TERMINAL	2. 7745
KNOB, GOVERNOR THROTTLE SHAFT	2. 7200	LEVER, GOVERNOR SPEED CONTROL	2. 7740
KNOB, GOVERNOR VERNIER SPEED ADJUSTING	2. 7670	LEVER, GOVERNOR VARIABLE SPEED CONTROL	2. 7740
KNOB, STARTING AID PUMP PLUNGER	12.6330	LEVER, GOVERNOR VARIABLE SPEED SPRING	2. 7730
KNOB, STARTING CONTROL ROD	7. 4573	LEVER, INJECTOR CONTROL TUBE	2. 9009
KNOB, THROTTLE CONTROL	2. 9100	LEVER, INJECTOR CONTROL TUBE RACK	2. 9014
KNOB, VERNIER THROTTLE CONTROL	2. 9135	LEVER, INJECTOR CONTROL TUBE-LOAD LIMIT	2. 9017
L		ADJUSTING	2. 9017
LAMP, INSTRUMENT PANEL	7. 4100	LEVER, SELECTOR VALVE OPERATING	9. 1175
LAMP, TELL TALE	7. 4580	LEVER, THROTTLE BOOSTER SPRING	2. 7977
LATCH, AIR INLET HOUSING SHUTDOWN		LEVER, THROTTLE CONTROL CROSS SHAFT	2. 9340
VALVE RESET	3. 3120	LEVER, THROTTLE CONTROL CROSS SHAFT	2. 9685
LATCH, AIR SHUTOFF RESET	7. 4557	SYNCHRONIZING	2. 9290
LATCH, CLUTCH CONTROL HAND LEVER	8. 1480	LEVER, THROTTLE CONTROL ROD-LOWER	2. 9300
LATCH, CLUTCH LOCKOUT	8. 1513	LEVER, THROTTLE CONTROL ROD-REAR	2. 9635
LEAD, AIR HEATER COIL GROUND	7. 8100	LEVER, THROTTLE CONTROL-MASTER	7. 2355
LEAD, AIR HEATER COIL HIGH TENSION	7. 8110	LIGHT, AUTOMATIC STARTING PILOT	1. 6180
LEVER AND PIN ASSY., EXHAUST RESTRICTOR	6. 2142	LINER, CYLINDER	3. 3058
LEVER AND PIN ASSY., GAS GOVERNOR		LINK, AIR INLET HOUSING BYPASS BLOWER	7. 2255
SECTOR	2. 7072	LEVER	1. 3335
LEVER AND PIN ASSY., GOVERNOR		LINK, AUTOMATIC STARTING SOLENOID ROD	8. 1490
DIFFERENTIAL	2. 7310	LINK, BELT FASTENER	8. 1315
LEVER ASSY., ACTUATOR	2. 6515	LINK, CLUTCH CONTROL HAND LEVER	2. 9400
LEVER ASSY., AIR INLET HOUSING SHUTDOWN		LINK, CLUTCH RELEASE YOKE	2. 7312
RESET	3. 3110	LINK, GOVERNOR OPERATING LEVER	2. 8880
LEVER ASSY., FUEL MODULATING CONTROL		CONNECTING	2. 9022
TUBE	2. 9084	LINK, GOVERNOR STARTING SOLENOID	8. 1145
LEVER ASSY., FUEL MODULATING CONTROL		LINK, INJECTOR CONTROL TUBE TO GOVERNOR	2. 9022
TUBE	2. 9867	LOCK, CLUTCH ADJUSTING NUT	8. 1700
LEVER KIT, VARIABLE SPEED GOVERNOR		LOCK, CLUTCH DRIVE SHAFT BEARING	1. 8370
ROLLER CONTACTOR	2. 7735	RETAINER	2. 7618
LEVER, AIR INLET HOUSING BYPASS BLOWER		LOCKNUT, GOVERNOR FUEL MODULATOR	2. 8080
SHAFT	3. 3057	SPRING ADJUSTING SCREW	2. 7615
LEVER, AIR INLET HOUSING SHUTDOWN		LOCKNUT, GOVERNOR FUEL ROD	8. 1810
VALVE	3. 3090	LOCKNUT, GOVERNOR HIGH SPEED SPRING	12.6665
LEVER, AIR SHUTOFF	7. 4536	RETAINER	3. 3080
LEVER, AIR SHUTOFF RESET	7. 4532	LOCKNUT, PILLOW BLOCK BEARING	8. 1745
LEVER, ANTI-STALL	2. 8553	LOCKNUT, PRIMER PUMP	
LEVER, CLUTCH HAND CONTROL	8. 1470	LOCKPLATE, AIR INLET HOUSING SHUTDOWN	
LEVER, CLUTCH RELEASE YOKE	8. 1142	LOCKRING ASSY., PILLOW BLOCK BEARING	

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
L		N	
LOCKRING, ACCESSORY DRIVE	1. 7650	NUT, CRANKSHAFT MAIN BEARING CAP STUD	1. 3130
LOCKRING, GENERATOR DRIVE BEARING	7. 1545	NUT, CYLINDER HEAD STUD	1. 2040
LOCKWASHER, BLOWER DRIVE GEAR	3. 4340	NUT, FUEL FILTER VALVE	2. 3515
LOCKWASHER, CLUTCH RELEASE BEARING	8. 1300	NUT, FUEL PIPE CONNECTOR	2. 4040
LOCKWASHER, PILLOW BLOCK BEARING	8. 1800	NUT, FUEL STRAINER HANDLE STUFFING BOX	2. 3201
LOCKWIRE, RAW WATER PUMP DRIVE	5. 6440	NUT, GEAR BOX TO FLYWHEEL HOUSING	
LUBRICATING COMPOUND THREAD	12.8110	(TWIN AND QUAD)	9. 3005
M		NUT, INJECTOR VALVE	2. 1030
MAINSHAFT, TRANSMISSION	9. 9020	NUT, PROPELLER DRIVE FLANGE	9. 1435
MANIFOLD, EXHAUST	6. 1001	NUT, TRANSFER GEAR DRIVE SHAFT BEARING	
MANIFOLD, FUEL-LOWER	2. 4001	RETAINER (TWIN AND QUAD)	9. 3154
MANIFOLD, RAW WATER INLET	5. 5360	NUT, TRANSFER GEAR OR GEAR BOX	
MANIFOLD, WATER OUTLET	5. 2001	COUPLING RETAINER STUD (TWIN AND	
MECHANICAL GOVERNOR	2. 7000A	QUAD)	9. 3059
MEDALLION, INSTRUMENT PANEL	7. 4099	NUT, WATER OUTLET MANIFOLD BYPASS	
MEMBER, RADIATOR SIDE	5. 3220	TUBE ELBOW UPPER	5. 2220
METER HOUR	7. 4118	O	
METER, POWER GENERATOR FREQUENCY	7. 6045	OIL COOLER AND MARINE GEAR LINES	4. 4000A
MISCELLANEOUS SERVICE KITS AND SETS	12.8000C	OIL DISTRIBUTION SYSTEM	4. 1000B
MISCELLANEOUS SERVICE PARTS	12.8000D	OIL FILTER	4. 2000A
MISCELLANEOUS SERVICE PARTS-SECTION 1	12.8801	OIL FILTER LINES	4. 3000A
MOTOR ASSY., FAN	5. 4320	OIL PAN	4. 7000A
MOTOR ASSY., GOVERNOR SYNCHRONIZING	2. 8182	OIL PENETRATING	12.8020
MOTOR ASSY., STARTING	7. 3001	OIL PUMP	4. 1000A
MOTOR, AUTOMATIC STARTING	7. 2300	OIL SEAL, GOVERNOR BASE	8. 3385
MOUNTING ASSY., VOLTAGE REGULATOR	7. 1612	OIL SEAL, GOVERNOR ROCKER SHAFT	8. 3445
MOUNTING, ADAPTOR POWER TAKEOFF ASSY.	8. 1004	OIL, FILLER	4. 5000A
MOUNTING, ENGINE FRONT SUPPORT ELASTIC	11.1072	OIL, PRESSURE REGULATOR	4. 1000C
MOUNTING, ENGINE REAR SUPPORT ELASTIC	11.1120	ORIFICE, CONNECTING ROD	1. 6020
MOUNTING, EXHAUST MUFFLER	6. 2025	OVERHAUL KIT, FUEL PUMP	2. 2004
MOUNTING, FREQUENCY METER ANTI		OVERHAUL KIT, OIL PUMP	4. 1003
VIBRATION	7. 6047	OVERHAUL KIT, TORQUE CONVERTER	8. 3007
MOUNTING, INSTRUMENT PANEL	7. 4010	P	
MOUNTING, TACHOMETER-MAGNETO		PACKING, BILGE PUMP SHAFT	12.2060
MOUNTING	7. 4064	PACKING, CLUTCH SHIFTER SHAFT	8. 1600
MUFFLER ASSY., EXHAUST	6. 2001	PACKING, FRESH WATER PUMP OUTLET	5. 1220
N		PACKING, FUEL STRAINER HANDLE STUFFING	
NAME PLATE, GOVERNOR	2. 7002	BOX	2. 3200
NAME PLATE, RADIATOR	5. 3268	PACKING, FUEL STRAINER REGULATOR VALVE	2. 3230
NECK ASSY., RADIATOR FILLER	5. 3100	PACKING, GOVERNOR VARIABLE SPEED	
NECK, EXPANSION TANK FILLER	5. 5120	SPRING LEVER SHAFT	2. 7750
NIPPLE, FUEL TANK DRAIN	2. 6040	PACKING, TRANSMISSION OIL FILLER TUBE	9. 9512
NIPPLE, HEAT EXCHANGER RAW WATER INLET		PACKING, TURBOCHARGER EXHAUST INLET	
LONG	5. 5500	FLANGE	3. 5317
NIPPLE, WATER OUTLET	5. 5650	PAINT, ENGINE TOUCH-UP	12.8001
NOZZLE, AIR HEATER SPRAY	7. 8050	PAN, AIR CLEANER OIL DRIP	3. 1285
NOZZLE, CONNECTING ROD SPRAY	1. 6010	PAN, GEAR BOX HOUSING WATER (TWIN AND	
NOZZLE, HAND HOLE COVER GAS	2. 4220	QUAD)	9. 3165
NOZZLE, REDUCTION GEAR OIL	9. 1360	PAN, GEAR BOX OIL (TWIN AND QUAD)	9. 3160
NOZZLE, STARTING AID PUMP TUBE	12.6375	PAN, OIL	4. 7001
NUT ASSY., MASTER CYLINDER END	12.6817	PAN, OIL-LOWER	4. 7020
NUT, AIR HEATER INSULATOR	7. 8150	PAN, OIL-UPPER	4. 7010
NUT, BLOWER DRIVE GEAR HUB	3. 4330	PAN, TRANSMISSION HOUSING SUMP	9. 9012
NUT, CLUTCH ADJUSTING	8. 1144	PANEL, AIR HEATER PUMP	7. 8202
NUT, CLUTCH DRIVE SHAFT BEARING		PANEL, AUTOMATIC STARTING CABINET	7. 2207
ADJUSTING	8. 1681	PANEL, ENGINE HOOD REAR	10.1105
NUT, CLUTCH RELEASE BEARING LOCK	8. 1310	PANEL, ENGINE HOOD SIDE	10.1100

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
P		P	
PANEL, ENGINE SUPPORT REAR	11.1115	PISTON, HYDRAULIC STARTER	12.6537
PANEL, GENERATOR HOOD SIDE	10.1110	PISTON, HYDRAULIC STARTER ACCUMULATOR	12.6580
PANEL, INSTRUMENT	7. 4005	PISTON, HYDRAULIC STARTER ENGINE PUMP	12.6607
PANEL, REAR HOOD SUPPORT	10.1035	PISTON, HYDRAULIC STARTER HAND PUMP	12.6638
PEDAL ASSY., BRAKE UPPER LOWER	12.6822	PISTON, INJECTOR CONTROL AIR CYLINDER	2. 9094
PICKUP ASSY., MAGNETIC	2. 6595	PISTON, LOCK-UP CLUTCH	8. 3238
PILLOW BLOCK UNIT (TWIN AND QUAD)	9. 3470	PISTON, PRIMER PUMP	12.6666
PILLOW, BLOCK UNIT	8. 1730	PISTON, REAR DISCONNECT CLUTCH	8. 3315
PIN SET, BELT FASTENER ROCKER	1. 3330	PISTON, REVERSE CLUTCH	9. 1030
PIN, BUSHING GUIDE	2. 1165	PISTON, ROD PRIMER PUMP	12.6664
PIN, CLUTCH LOCKOUT	8. 1514	PISTON, STARTING AID PUMP PLUNGER	12.6315
PIN, CLUTCH PRESSURE PLATE CAMSHAFT	8. 1132	PISTON, TRANSMISSION MAINSHAFT GEAR	
PIN, CLUTCH PRESSURE PLATE RETURN		OPERATING CLUTCH	9. 9103
SPRING	8. 1105	PISTON, TRANSMISSION TORQUE CONVERTER	
PIN, FORWARD CLUTCH	9. 1215	LOCKUP CLUTCH	9. 9435
PIN, GOVERNOR CONTROL WIRE SWIVEL	2. 9426	PLATE ASSY., ACCESSORY DRIVE	1. 7630
PIN, GOVERNOR DIFFERENTIAL LEVER	2. 7315	PLATE ASSY., STARTING MOTOR BRUSH	7. 3065
PIN, GOVERNOR DRIVE SHAFT THRUST	2. 8825	PLATE, AIR COMPRESSOR CYLINDER BLOCK	
PIN, GOVERNOR OPERATING SHAFT LEVER	2. 7300	COVER	12.4145
PIN, GOVERNOR THROTTLE ACCELERATOR		PLATE, AIR COMPRESSOR DRIVE	12.4037
LEVER STOP	2. 7120	PLATE, AIR HEATER INSTRUCTION	7. 8383
PIN, GOVERNOR THROTTLE SHAFT FULCRUM		PLATE, AIR INLET HOUSING SHUTDOWN	
LEVER	2. 7130	CONTROL	3. 3260
PIN, GOVERNOR WEIGHT	2. 7430	PLATE, AIR INLET HOUSING STRIKER	3. 3020
PIN, INJECTOR AND EXHAUST VALVE ROCKER		PLATE, AIR SHUTOFF CONTROL INSTRUCTION	7. 4529
ARM CLEVIS	1. 8150	PLATE, ALARM BELL RELAY MOUNTING	7. 4516
PIN, INJECTOR CONTROL TUBE GOVERNOR		PLATE, AUTOMATIC STARTING CABINET NAME	7. 2212
LINK	2. 9026	PLATE, BATTERY BOX COVER	7. 2060
PIN, INJECTOR FOLLOWER	2. 1090	PLATE, BLOWER HOUSING END	3. 4140
PIN, INJECTOR STOP	2. 1100	PLATE, BLOWER ROTOR GEAR HUB	3. 4135
PIN, PISTON	1. 6140	PLATE, CAM AND BALANCE SHAFT THRUST	1. 7070
PIN, PROPELLER DRIVE SHAFT COUPLING	9. 1445	PLATE, CIRCUIT BREAKER TERMINAL	
PIN, PROPELLER SHAFT COUPLING	9. 2712	MOUNTING	7. 6214
PIN, RADIATOR FILLER CAP COVER HINGE	5. 3153	PLATE, CLUTCH ADJUSTING	8. 1140
PIN, REVERSE GEAR HOUSING CLUTCH DRIVE	9. 1025	PLATE, CLUTCH ADJUSTING NUT WEAR	8. 1146
PIN, VERNIER THROTTLE CONTROL LOCK		PLATE, CLUTCH COVER	8. 1240
BUTTON	2. 9146	PLATE, CLUTCH PRESSURE	8. 1080
PINION, GOVERNOR MOTOR DRIVE SHAFT	2. 8185	PLATE, CRANKSHAFT FRONT COVER	1. 3171
PINION, PLANETARY GEAR	9. 1082	PLATE, CYLINDER BLOCK END-FRONT	1. 1010
PINION, REDUCTION GEAR	9. 1305	PLATE, CYLINDER BLOCK END-REAR	1. 1020
PIPE ASSY., BREATHER	4. 8001	PLATE, DRIVING	8. 1035
PIPE, AIR CLEANER TO INLET HOUSING	3. 1260	PLATE, EXHAUST MANIFOLD COVER	6. 1100
PIPE, BLOWER DRIVE BEARING OIL	4. 1660	PLATE, EXHAUST MANIFOLD WATER INLET	5. 5635
PIPE, BREATHER EXTENSION	4. 8170	PLATE, FLEXIBLE COUPLING	8. 3252
PIPE, CONVERTER OIL TANK FILLER	8. 3835	PLATE, FLYWHEEL CLUTCH DRIVING	1. 4070
PIPE, EXHAUST	6. 2090	PLATE, FLYWHEEL FLEXIBLE COUPLING	1. 4085
PIPE, EXHAUST MUFFLER TAIL	6. 2080	PLATE, FLYWHEEL HOUSING BELL COVER	1. 5003
PIPE, FUEL	2. 4020	PLATE, FORWARD CLUTCH	9. 1235
PIPE, OIL PUMP INLET	4. 1510	PLATE, FORWARD CLUTCH REACTION	9. 1245
PIPE, OIL PUMP INLET (TWIN AND QUAD)	9. 3530	PLATE, FUEL FILTER MOUNTING	2. 3535
PIPE, OIL PUMP OUTLET	4. 1580	PLATE, FUEL PUMP MOUNTING	2. 2235
PIPE, RADIATOR OVERFLOW	5. 3160	PLATE, GAS GOVERNOR END	2. 7058
PISTON ASSY.	1. 6110	PLATE, GEAR BOX HOUSING BOTTOM (TWIN	
PISTON ASSY., MASTER CYLINDER OPERATING	12.6815	AND QUAD)	9. 3162
PISTON, AIR CYLINDER	2. 9862	PLATE, GEAR BOX OUTPUT SHAFT BEARING-	
PISTON, AIR CYLINDER	6. 2203	THRUST (TWIN AND QUAD)	9. 3093
PISTON, AIR HEATER PUMP PLUNGER	7. 8220	PLATE, GENERATOR DRIVE PULLEY SHAFT	
PISTON, AIR INLET HOUSING BYPASS BLOWER	3. 3065	COUPLING	7. 1550
PISTON, FORWARD CLUTCH	9. 1225	PLATE, HYDRAULIC PUMP DRIVE	12.5015
PISTON, GOVERNOR SERVO-MOTOR	2. 8510	PLATE, HYDRAULIC STARTER ENGINE PUMP	
PISTON, GOVERNOR SPEED ADJUSTING	2. 7612	DRIVE	12.6593
PISTON, GOVERNOR SPEED CONTROL	2. 7736	PLATE, HYDRAULIC STARTER VALVE	12.6520

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
P		P	
PLATE, INJECTOR CONTROL TUBE LEVER-LOAD LIMIT ADJUSTING	2. 9019	PLUNGER, GOVERNOR LOW SPEED SPRING	2. 7560
PLATE, LIFTING	11.1002	PLUNGER, GOVERNOR RELIEF VALVE	2. 8650
PLATE, LOCK-UP CLUTCH	8. 3240	PLUNGER, GOVERNOR VARIABLE SPEED SPRING	2. 7770
PLATE, LOCK-UP CLUTCH REACTION	8. 3242	PLUNGER, OVERSPEED TRIP GOVERNOR PILOT VALVE	7. 4620
PLATE, OIL FILTER MOUNTING	4. 2450	PLUNGER, STARTING MOTOR SOLENOID	7. 3390
PLATE, OIL PAN HAND HOLE	4. 7050	POPPET, SELECTOR VALVE	9. 1145
PLATE, OPTION AND ACCESSORY NAME	1. 8500	POWER GENERATOR	7. 5000A
PLATE, POWER GENERATOR DRIP SHIELD MOUNTING	7. 5605	POWER TAKEOFF AND/OR CLUTCH	8. 1000A
PLATE, RAW WATER PUMP DRIVE	5. 6410	POWER TAKEOFF ASSY.	8. 1001
PLATE, REAR DISCONNECT CLUTCH	8. 3335	POWER TRANSFER GEAR (TWIN AND QUAD)	9. 3000A
PLATE, REVERSE CLUTCH DISC	9. 1045	POWER TRANSFER GEAR ASSY. (TWIN AND QUAD)	9. 3001
PLATE, REVERSE CLUTCH REACTION	9. 1060	PRE-CLEANER ASSY., AIR	3. 1100
PLATE, THROTTLE CONTROL INDICATOR	2. 9170	PRIMER, FUEL	12.6655
PLATE, TIME DELAY RELAY MOUNTING	7. 4711	PULL BOX, GENERATOR TO CONTROL CABINET CABLE OUTSIDE RECEPTACLE	7. 7225
PLATE, TRANSMISSION MAINSHAFT OPERATING CLUTCH	9. 9123	PULLEY AND HUB ASSY., FAN	5. 4015
PLATE, TRANSMISSION TORQUE CONVERTER LOCKUP CLUTCH	9. 9440	PULLEY ASSY., BILGE PUMP DRIVEN	12.2140
PLATE, TRANSMISSION TORQUE CONVERTER LOCKUP CLUTCH REACTION	9. 9445	PULLEY, ACCESSORY DRIVE	1. 7605
PLATE, VOLTAGE REGULATOR MOUNTING	7. 1610	PULLEY, AIR COMPRESSOR	12.4015
PLATE, WATER FILTER LOWER	5. 7045	PULLEY, CRANKSHAFT	1. 3280
PLATE, WATER FILTER SUMP	5. 7023	PULLEY, CRANKSHAFT FRONT POWER TAKE- OFF	8. 1908
PLATE, WATER FILTER UPPER	5. 7043	PULLEY, FAN BELT IDLER	5. 4330
PLUG, BLOWER ROTOR SHAFT	3. 4037	PULLEY, FRESH WATER PUMP	5. 1214
PLUG, CONVERTER OIL DRAIN	8. 3103	PULLEY, FUEL PUMP	2. 2215
PLUG, FUEL FILTER COVER	2. 3480	PULLEY, GENERATOR	7. 1500
PLUG, FUEL PUMP VALVE	2. 2170	PULLEY, GENERATOR DRIVE	7. 1505
PLUG, FUEL STRAINER COVER	2. 3100	PULLEY, HYDRAULIC STARTER ENGINE PUMP DRIVE	12.6673
PLUG, GOVERNOR HOUSING DUMMY HOLE	2. 8200	PULLEY, STARTER DRIVE DRIVEN	12.6070
PLUG, GOVERNOR RELIEF VALVE	2. 8685	PULLEY, STARTING ENGINE DRIVE	12.6010
PLUG, GOVERNOR SPEED ADJUSTING TERMINAL SLEEVE	2. 8485	PULLEY, TORQUE CONVERTER OUTPUT SHAFT GOVERNOR	8. 3098
PLUG, GOVERNOR SUB-CAP	2. 8165	PULLEY, VACUUM PUMP	12.3010
PLUG, HYDRAULIC STARTER ENGINE PUMP RELIEF VALVE	12.6625	PUMP ASSY., AIR HEATER	7. 8200
PLUG, MASTER CYLINDER FILLER	12.6814	PUMP ASSY., BILGE	12.2001
PLUG, OIL COOLER BYPASS VALVE	4. 4160	PUMP ASSY., CHAIN CASE OIL OR TRANSFER CASE AUXILIARY OIL (TWIN AND QUAD)	9. 3500
PLUG, OIL FILTER BYPASS	9. 1798	PUMP ASSY., CONVERTER PRESSURE	8. 3600
PLUG, OIL FILTER BYPASS VALVE	4. 2488	PUMP ASSY., FRESH WATER	5. 1001
PLUG, OIL FILTER BYPASS VALVE	8. 3888	PUMP ASSY., FUEL	2. 2001
PLUG, OIL FILTER BYPASS VALVE	9. 9612	PUMP ASSY., HYDRAULIC	12.5001
PLUG, OIL FILTER BYPASS VALVE (TWIN AND QUAD)	9. 3692	PUMP ASSY., HYDRAULIC MARINE GEAR OIL	9. 1475
PLUG, OIL PAN DRAIN	4. 7080	PUMP ASSY., HYDRAULIC STARTER ENGINE	12.6590
PLUG, OIL PRESSURE REGULATOR	4. 1710	PUMP ASSY., HYDRAULIC STARTER HAND	12.6630
PLUG, OIL PUMP DRIVE SLEEVE	4. 1500	PUMP ASSY., OIL	4. 1001
PLUG, OIL PUMP OUTLET PIPE BYPASS VALVE	4. 1640	PUMP ASSY., RAW WATER	5. 6001
PLUG, OIL PUMP RELIEF VALVE	4. 1270	PUMP ASSY., STARTING AID	12.6305
PLUG, TACHOMETER DRIVE ADAPTOR BEARING	7. 4432	PUMP ASSY., TORQUE CONVERTER	8. 3100
PLUG, TRANSMISSION OIL OUTPUT PUMP PRESSURE RELIEF	9. 9504	PUMP ASSY., TORQUE CONVERTER-LESS HUB	8. 3102
PLUNGER AND BUSHING ASSY., INJECTOR	2. 1160	PUMP ASSY., TRANSMISSION OIL INPUT	9. 9283
PLUNGER ASSY., GOVERNOR PILOT VALVE	2. 8600	PUMP ASSY., TRANSMISSION OIL OUTPUT	9. 9479
PLUNGER, AIR INLET SHUTDOWN LATCH	3. 3282	PUMP ASSY., VACUUM	12.3001
PLUNGER, BUSHING AND TIP KIT	2. 1161	PUMP, TRANSMISSION TORQUE CONVERTER	9. 9171
PLUNGER, GOVERNOR CONTROL SCREW	2. 7660	PUNCTURING TOOL ASSY., STARTING FLUID CAPSULE	12.6380
PLUNGER, GOVERNOR FUEL MODULATOR SPRING	2. 7565		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
Q		R	
QUADRANT, CLUTCH CONTROL HAND LEVER .8.	1520	RETAINER, FAN SHAFT BEARING	5. 4140
R		RETAINER, FAN SHAFT BEARING OIL SEAL . . .	5. 4230
RACE, TRANSMISSION TORQUE CONVERTER		RETAINER, FRONT BALANCE WEIGHT SPRING .1.	7180
FREEWHEEL ROLLER	9. 9188	RETAINER, FUEL STRAINER REGULATOR VALVE	
RACK ASSY., INJECTOR	2. 1170	PACKING	2. 3250
RADIATION SHIELD, TURBOCHARGER	3. 5013	RETAINER, GEAR BOX COUPLING (TWIN AND	
RADIATOR	5. 3000A	QUAD)	9. 3057
RADIATOR ASSY.	5. 3001	RETAINER, GEAR BOX DRIVE GEAR BEARING	
RAIL, ENGINE MOUNTING	11. 1050	(TWIN AND QUAD)	9. 3035
RAW WATER PUMP	5. 6000A	RETAINER, GEAR BOX OR CHAIN CASE	
RECONDITIONING KIT, FRESH WATER PUMP .5.	1002	OUTPUT SHAFT BEARING OIL SEAL (TWIN	
RECONDITIONING KIT, RAW WATER PUMP .5.	6025	AND QUAD)	9. 3130
REGULATOR ASSY., VOLTAGE	7. 6360	RETAINER, GENERATOR DRIVE BEARING AND	
REGULATOR, OIL PRESSURE	4. 1670	OIL SEAL	7. 1520
REGULATOR, SELECTOR VALVE PRESSURE .9.	1190	RETAINER, GOVERNOR FUEL ROD SPRING . .2.	8140
REGULATOR, VOLTAGE	7. 1605	RETAINER, GOVERNOR HIGH SPEED SPRING .2.	7610
RELAY, ALARM BELL	7. 4514	RETAINER, GOVERNOR PACKING THROTTLE	
RELAY, AUTOMATIC STARTING	7. 2330	SHAFT	2. 7150
REPAIR KIT, PLANETARY GEAR	9. 1086	RETAINER, GOVERNOR SPEED CONTROL	
REPAIR KIT, THERMO MODULATED FAN . . .5.	4003	PISTON SPRING	2. 7743
REPLACEMENT KIT, FRESH WATER PUMP SEAL		RETAINER, GOVERNOR VARIABLE SPEED	
SEAT	5. 1115	SPRING	2. 7790
REPLACEMENT KIT, RAW WATER PUMP SEAL		RETAINER, GOVERNOR WEIGHT SHAFT END	
AND IMPELLER	5. 6220	BEARING THRUST KEY	2. 7500
RESERVOIR ASSY., GOVERNOR OIL	2. 8905	RETAINER, HEAT EXCHANGER SEAL	5. 5025
RESERVOIR, GEAR BOX DRIVE SHAFT OIL		RETAINER, HYDRAULIC PUMP COUPLING . . .	9. 1550
(TWIN AND QUAD)	9. 3268	RETAINER, IDLER GEAR BEARING	1. 7227
RESERVOIR, HYDRAULIC GOVERNOR OIL		RETAINER, INJECTOR GEAR	2. 1190
RESERVOIR	2. 9856	RETAINER, OIL FILTER SPRING	4. 2315
RESERVOIR, HYDRAULIC STARTER	12. 6551	RETAINER, OIL FILTER SPRING	9. 1787
RESISTANCE ASSY., INSTRUMENT PANEL . .7.	4014	RETAINER, OIL FILTER SPRING	9. 9595
RESISTOR, AIR HEATER	7. 8390	RETAINER, OIL FILTER SPRING (TWIN AND	
RESISTOR, AMMETER	7. 4023	QUAD)	9. 3672
RESISTOR, BATTERY CHARGING AMMETER		RETAINER, OIL PUMP INLET PIPE SCREEN . .4.	1560
AND CURRENT REGULATOR	7. 1635	RETAINER, PILOT BEARING	8. 3210
RESISTOR, POWER GENERATOR FIELD		RETAINER, PILOT BEARING	9. 1211
DISCHARGE	7. 6745	RETAINER, PISTON PIN	1. 6150
RESISTOR, TIME DELAY RELAY	7. 4709	RETAINER, PRESSURE PUMP COUPLING8.	3688
RETAINER ASSY., ACCESSORY DRIVE	1. 7645	RETAINER, PUSH ROD	1. 8250
RETAINER ASSY., DRIVE SHAFT MAIN BEARING8.	3060	RETAINER, PUSH ROD SPRING	1. 8240
RETAINER ASSY., GROUND SLEEVE	8. 3035	RETAINER, RAW WATER PUMP IMPELLER SEAL5.	6245
RETAINER, AIR COMPRESSOR DRIVE COUPLING		RETAINER, REAR DISCONNECT CLUTCH	
RING	12. 4060	SPRING	8. 3330
RETAINER, AIR CYLINDER PISTON SPRING . .2.	9865	RETAINER, ROCKER COVER NAME PLATE . . .1.	8502
RETAINER, BILGE PUMP SHAFT BEARING . . .12.	2120	RETAINER, TACHOMETER	7. 4063
RETAINER, BLOWER DRIVE COUPLING3.	4420	RETAINER, TRANSFER GEAR OUTPUT SHAFT	
RETAINER, BLOWER ROTOR FRONT BEARING .3.	4050	BEARING (TWIN AND QUAD)	9. 3098
RETAINER, BLOWER ROTOR GEAR BEARING .3.	4086	RETAINER, TRANSMISSION MAINSHAFT GEAR	
RETAINER, BLOWER ROTOR REAR BEARING .3.	4070	OPERATING CLUTCH	9. 9117
RETAINER, BREATHER PAD	4. 8065	RETAINER, TRANSMISSION MAINSHAFT-FRONT	
RETAINER, CAM AND BALANCE SHAFT GEAR		BEARING	9. 9026
NUT	1. 7207	RETAINER, TRANSMISSION MAINSHAFT-REAR	
RETAINER, CLUTCH DRIVE SHAFT BEARING .8.	1690	BEARING	9. 9036
RETAINER, CLUTCH PILOT BEARING	1. 4045	RETAINER, TRANSMISSION TORQUE	
RETAINER, CLUTCH PILOT BEARING	8. 1460	CONVERTER GROUND SLEEVE OIL SEAL .9.	9166
RETAINER, CRANKSHAFT PULLEY	1. 3290	RETAINER, TURBOCHARGER EXHAUST INLET	
RETAINER, CYLINDER PISTON SPRING2.	9082	FLANGE PACKING	3. 5318
RETAINER, DRIVE PULLEY HUB OIL SEAL . . .1.	7615	REVERSE AND REDUCTION GEAR	
RETAINER, DRIVE SHAFT FLANGE	8. 3071	(MECHANICAL)	9. 2000A
RETAINER, FAN BELT IDLER PULLEY BEARING .5.	4336	RING SET, PISTON	1. 6115
		RING, AIR COMPRESSOR DRIVE COUPLING . .12.	4055
		RING, AIR CYLINDER PISTON SEAL	6. 2206

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
R		R	
RING, AIR CYLINDER SPRING RETAINER SNAP	2. 9866	RISER, GOVERNOR	8. 3420
RING, BLOWER DRIVE SHAFT	3. 4446	ROCKER COVER	1. 8000A
RING, CAMSHAFT AND ACCESSORY SHAFT		ROD AND CLEVIS ASSY., THROTTLE CONTROL	2. 9280
INTERMEDIATE BEARING LOCK	1. 7050	ROD ASSY., ACTUATOR CONTROL	2. 6520
RING, CLUTCH DRIVING	8. 1018	ROD ASSY., MASTER CYLINDER PISTON PUSH	12. 6818
RING, CLUTCH REACTION PLATE SNAP	9. 1065	ROD, AIR CYLINDER SHUTOFF	2. 9080
RING, CROSSHEAD PISTON SEAL	1. 6106	ROD, AIR CYLINDER TO EXHAUST RESTRICTOR	6. 2209
RING, CYLINDER SPRING RETAINER SHAFT	2. 9083	ROD, AIR SHUTOFF SOLENOID CONTROL	7. 4538
RING, DRAIN TANK BASE	1. 1200	ROD, ANTI-STALL	2. 8554
RING, DRAIN TANK RETAINER	1. 1220	ROD, AUTOMATIC STARTING SOLENOID	7. 2250
RING, DRIVE SHAFT TO CONVERTER HOUSING		ROD, CLUTCH CONTROL ADJUSTABLE	8. 1540
PISTON	8. 3047	ROD, ENGINE HOOD TIE	10. 1080
RING, ENGINE FRONT TRUNNION MOUNTING		ROD, GENERATOR HOOD TIE	10. 1090
SUPPORT CUSHION	11. 1094	ROD, GOVERNOR FUEL	2. 8070
RING, FRESH WATER PUMP SEAL CLAMP	5. 1160	ROD, PUSH	1. 8180
RING, FRESH WATER PUMP SEAL RETAINING	5. 1175	ROD, SHUTOFF SOLENOID	2. 9064
RING, FUEL STRAINER SHELL RETAINING	2. 3070	ROD, SHUTOFF SOLENOID PUSH	2. 9066
RING, GENERATOR DRIVE SPACER	1. 7755	ROD, STARTING CONTROL	7. 4564
RING, GOVERNOR DRIVE GEAR SNAP	8. 3082	ROLLER SET, CAM FOLLOWER	1. 8265
RING, GOVERNOR OIL PUMP HOUSING SEAL	2. 8700	ROLLER, FREEWHEEL	8. 3165
RING, GROUND SLEEVE TO PUMP PISTON	8. 3130	ROLLER, TRANSMISSION TORQUE CONVERTER	
RING, HYDRAULIC PUMP COUPLING	9. 1545	FREEWHEEL	9. 9189
RING, HYDRAULIC STARTER ENGINE PUMP	12. 6611	ROTOR ASSY., TURBOCHARGER	3. 5030
RING, INJECTOR SEAL	2. 1040	ROTOR SET, FUEL PUMP	2. 2095
RING, OVERSPEED TRIP GOVERNOR		ROTOR SET, HYDRAULIC PUMP	9. 1500
OPERATING SHAFT BEARING RETAINING	7. 4650	ROTOR SET, PRESSURE PUMP	8. 3680
RING, PISTON COMPRESSION	1. 6120	ROTOR, BLOWER IMPELLER	3. 4030
RING, PISTON CRANKCASE SEAL	1. 6125	ROTOR, FUEL PUMP	2. 2090
RING, PISTON OIL CONTROL	1. 6130	ROTOR, HYDRAULIC STARTER	12. 6535
RING, PLANETARY GEAR SNAP	9. 1095		
RING, PRESSURE PUMP COUPLING	8. 3687	S	
RING, PUMP SHAFT SNAP	8. 3675	SCREEN, AIR CLEANER	3. 1040
RING, PUMP TO HUB RETAINING SNAP	8. 3125	SCREEN, AIR SILENCER	3. 2007
RING, RAW WATER PUMP BEARING RETAINER	5. 6140	SCREEN, AIR SILENCER INSULATION	3. 2008
RING, RAW WATER PUMP SHAFT SEAL	5. 6176	SCREEN, BLOWER	3. 4025
RING, RAW WATER PUMP SHAFT SEAL		SCREEN, FUEL TANK	2. 6020
FRICTION	5. 6175	SCREEN, OIL PUMP INLET	4. 1530
RING, REAR DISCONNECT CLUTCH PISTON TO		SCREEN, OIL TANK	8. 3855
DRUM	8. 3320	SCREEN, TRANSMISSION HOUSING SUMP PAN	9. 9017
RING, REDUCTION GEAR DRIVE SHAFT OIL		SCREEN, TRANSMISSION OIL FILLER TUBE	9. 9523
SEAL	9. 1330	SCREEN, TURBOCHARGER EXHAUST INLET	3. 5320
RING, REDUCTION GEAR SHAFT PILOT	8. 1941	SCREW ASSY., GOVERNOR BUFFER	2. 7810
RING, REVERSE CLUTCH DISC PLATE SNAP	9. 1050	SCREW, AIR HEATER PUMP PLUNGER PISTON	7. 8240
RING, REVERSE GEAR DRIVE SHAFT OIL SEAL	9. 1115	SCREW, BEARING LOCKRING SET	8. 1747
RING, STATOR TO CONVERTER SLEEVE SNAP	8. 3190	SCREW, CONVERTER OIL FILTER COVER	8. 3876
RING, THROTTLE CONTROL SOLENOID		SCREW, FAN BRACKET ADJUSTING	5. 4290
TERMINAL	2. 9356	SCREW, FUEL FILTER COVER	2. 3410
RING, TORQUE CONVERTER DISCONNECT		SCREW, FUEL STRAINER COVER	2. 3120
CLUTCH DRIVE SEAL	8. 1666	SCREW, GAS GOVERNOR ADJUSTING	2. 7089
RING, TORQUE CONVERTER DRIVE	8. 3237	SCREW, GOVERNOR FUEL MODULATING CAM	2. 7814
RING, TRANSMISSION MAINSHAFT GEAR		SCREW, GOVERNOR FUEL MODULATOR	
OPERATING CLUTCH	9. 9107	SPRING ADJUSTING	2. 7595
RING, TRANSMISSION MAINSHAFT TO		SCREW, GOVERNOR HI-SPEED STOP	2. 8520
CONVERTER HOUSING	9. 9023	SCREW, GOVERNOR HIGH SPEED CONTROL	2. 7655
RING, TRANSMISSION TORQUE CONVERTER		SCREW, GOVERNOR LOAD LIMIT	2. 8180
GROUND SLEEVE TO PUMP SEAL	9. 9180	SCREW, GOVERNOR LOW SPEED SPRING	
RING, TRANSMISSION TORQUE CONVERTER		ADJUSTING	2. 7590
TURBINE HUB TO MAINSHAFT SNAP	9. 9203	SCREW, GOVERNOR LOW-SPEED ADJUSTING	2. 8525
RING, TURBINE HUB TO DRIVE SHAFT		SCREW, HYDRAULIC PUMP VALVE	9. 1530
RETAINING SNAP	8. 3195	SCREW, INJECTOR CONTROL TUBE LEVER	
RING, TURBOCHARGER NOZZLE	3. 5006	PLATE-LOAD LIMIT ADJUSTING	2. 9021
RISER, GOVERNOR	2. 7380		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
S		S	
SCREW, SELECTOR VALVE LOCATING	9. 1165	SEAL, INSTRUMENT PANEL HOUSING	7. 4009
SCREW, STARTING AID PUMP PLUNGER	12.6325	SEAL, LOCK-UP CLUTCH PISTON	8. 3239
SEAL KIT, BLOWER DRIVE COVER	3. 4225	SEAL, OVERSPEED TRIP GOVERNOR	
SEAL RING KIT	8. 3015	MOUNTING OIL	7. 4644
SEAL RING, AIR HEATER PUMP PLUNGER	7. 8215	SEAL, PILLOW BLOCK HOUSING	8. 1760
SEAL RING, FUEL PRIMING PUMP	12.6656	SEAL, POWER TAKE-OFF ADAPTOR HOUSING	
SEAL RING, GAS GOVERNOR BEARING	2. 7066	OIL	8. 1902
SEAL RING, GAS GOVERNOR BUSHING	2. 7068	SEAL, PUMP SHAFT	8. 3655
SEAL RING, GAS MANIFOLD HAND HOLE		SEAL, PUSH ROD	1. 8183
COVER	2. 4225	SEAL, RAW WATER PUMP BEARING	5. 6160
SEAL RING, GROUND SLEEVE	8. 3025	SEAL, RAW WATER PUMP IMPELLER	5. 6240
SEAL RING, HUB TO PUMP	8. 3120	SEAL, RAW WATER PUMP SHAFT	5. 6170
SEAL RING, PRESSURE PUMP IDLER GEAR		SEAL, REDUCTION GEAR BEARING OIL COVER	9. 1375
SHAFT	8. 3738	SEAL, REDUCTION GEAR SHAFT OIL	8. 1950
SEAL RING, STARTING AID PUMP PLUNGER	12.6312	SEAL, REVERSE CLUTCH PISTON	9. 1035
SEAL RING, TORQUE CONVERTER PUMP	8. 3220	SEAL, REVERSE GEAR DRIVE SHAFT BEARING	
SEAL RING, TRANSMISSION FLYWHEEL	9. 9050	HOUSING OIL	9. 1130
SEAL, ACCESSORY DRIVE OIL	1. 7660	SEAL, ROTOR ASSY. SHAFT OIL	3. 5028
SEAL, AIR CLEANER BOLT	3. 1075	SEAL, SELECTOR VALVE OIL	9. 1160
SEAL, AIR INLET HOUSING BYPASS BLOWER		SEAL, SHUTOFF SOLENOID OIL	2. 9061
PISTON	3. 3067	SEAL, TACHOMETER DRIVE COVER	7. 4450
SEAL, AIR INLET HOUSING SHUTDOWN VALVE		SEAL, TACHOMETER DRIVE COVER ADAPTOR	7. 4458
SHAFT	3. 3055	SEAL, THERMO FAN ELEMENT	5. 4375
SEAL, AIR SHUTDOWN VALVE	3. 3037	SEAL, THERMOSTAT	5. 2060
SEAL, BLOWER DRIVE COVER	3. 4220	SEAL, THERMOSTAT HOUSING OUTLET ELBOW	5. 2093
SEAL, BLOWER HOUSING END PLATE	3. 4160	SEAL, TRANSFER GEAR DRIVE GEAR BEARING	
SEAL, BREATHER EXTENSION PIPE FLANGE	4. 8174	OIL (TWIN AND QUAD)	9. 3031
SEAL, BREATHER SHELL	4. 8059	SEAL, TRANSFER GEAR OR GEAR BOX OR	
SEAL, CLUTCH DRIVE SHAFT BEARING GREASE	8. 1686	CHAIN CASE OUTPUT SHAFT BEARING	
SEAL, CRANKSHAFT OIL-FRONT	1. 3040	OIL (TWIN AND QUAD)	9. 3120
SEAL, CRANKSHAFT OIL-FRONT	1. 3166	SEAL, TRANSMISSION COUNTERSHAFT REAR	
SEAL, CRANKSHAFT OIL-REAR	1. 3060	BEARING CAP	9. 9087
SEAL, CRANKSHAFT OIL-REAR	1. 5004	SEAL, TRANSMISSION OIL OUTPUT PUMP	
SEAL, DRIVE PULLEY HUB OIL	1. 7620	DRIVE SHAFT	9. 9489
SEAL, DRIVE SHAFT MAIN BEARING RETAINER		SEAL, TRANSMISSION OIL PUMP LOWER INLET	
OIL	8. 3055	TUBE	4. 1663
SEAL, FAN SHAFT	5. 4150	SEAL, TRANSMISSION TORQUE CONVERTER	
SEAL, FLYWHEEL OIL	1. 4008	GROUND SLEEVE OIL	9. 9165
SEAL, FLYWHEEL OIL	9. 1207	SEAL, TRANSMISSION TORQUE CONVERTER	
SEAL, FORWARD CLUTCH PISTON	9. 1230	LOCKUP CLUTCH PISTON	9. 9437
SEAL, FRESH WATER PUMP	5. 1130	SEAL, WATER OUTLET MANIFOLD	5. 2043
SEAL, FUEL FILTER VALVE	2. 3525	SEAL, WATER OUTLET MANIFOLD BYPASS	
SEAL, FUEL PUMP OIL	2. 2070	TUBE ELBOW NUT	5. 2230
SEAL, GAS GOVERNOR SHAFT OIL	2. 7080	SEAL, WATER PUMP INLET	5. 1240
SEAL, GAS MANIFOLD	2. 4230	SEALANT, RTV	12.8255
SEAL, GASKET OVERSPEED TRIP GOVERNOR		SEALING, PIN PRIMER PUMP	12.6667
HOUSING COVER OIL	7. 4636	SEAT, BLOWER DRIVE COUPLING SPRING	3. 4410
SEAL, GENERATOR DRIVE OIL	7. 1515	SEAT, EXHAUST VALVE SPRING	1. 8360
SEAL, GOVERNOR	2. 7945	SEAT, FUEL FILTER ELEMENT	2. 3322
SEAL, GOVERNOR DRIVE ADAPTOR	2. 8028	SEAT, GOVERNOR FUEL MODULATOR SPRING	2. 7575
SEAL, GOVERNOR FUEL ROD OIL	2. 8090	SEAT, GOVERNOR LOW SPEED SPRING	2. 7570
SEAL, GOVERNOR SPEED ADJUSTING SHAFT		SEAT, HYDRAULIC STARTER ENGINE PUMP	
OIL	2. 8350	RELIEF VALVE SPRING	12.6623
SEAL, GOVERNOR SPEED CONTROL PISTON	2. 7737	SEAT, INJECTOR VALVE	2. 1247
SEAL, GROUND SLEEVE OIL	8. 3030	SEAT, INJECTOR VALVE SPRING	2. 1255
SEAL, HEAT EXCHANGER	5. 5026	SEAT, PUSH ROD	1. 8230
SEAL, HYDRAULIC PUMP OIL	9. 1505	SEAT, PUSH ROD SPRING-LOWER	1. 8210
SEAL, HYDRAULIC STARTER ACCUMULATOR		SEAT, PUSH ROD SPRING-UPPER	1. 8200
CAP	12.6574	SEAT, RAW WATER PUMP SHAFT SEAL	5. 6173
SEAL, HYDRAULIC STARTER ACCUMULATOR		SEAT, STRAINER REGULATOR VALVE PACKING	2. 3240
PISTON	12.6582	SEPARATOR, AIR HEATER PUMP PLUNGER	
SEAL, HYDRAULIC STARTER ENGINE PUMP OIL	12.6603	PISTON	7. 8230

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
S		S	
SEPARATOR, STARTING AID PUMP PLUNGER PISTON	12.6320	SHAFT, GOVERNOR DRIVE SHAFT ADAPTOR FLEXIBLE	8. 3097
SERVICE KIT, INJECTOR	2. 1002	SHAFT, GOVERNOR DRIVEN	2. 8795
SET, POWER GENERATOR RESISTOR	7. 6740	SHAFT, GOVERNOR MOTOR DRIVE	2. 8184
SETS, SERVICE (ALL)	12.8720	SHAFT, GOVERNOR OPERATING	2. 7255
SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT	2. 7350	SHAFT, GOVERNOR SPEED ADJUSTING	2. 8280
SHAFT ASSY., BLOWER AND HYDRAULIC PUMP DRIVE	9. 1537	SHAFT, GOVERNOR SPEED ADJUSTING	8. 3470
SHAFT ASSY., FRESH WATER PUMP	5. 1050	SHAFT, GOVERNOR SPEED ADJUSTING TERMINAL	2. 8470
SHAFT ASSY., GOVERNOR DRIVEN	2. 8790	SHAFT, GOVERNOR VARIABLE SPEED SPRING LEVER	2. 7720
SHAFT ASSY., GOVERNOR OPERATING	2. 7250	SHAFT, GOVERNOR WEIGHT CARRIER	2. 7360
SHAFT ASSY., GOVERNOR OPERATING- INCLUDES FORK AND LEVER	2. 7240	SHAFT, HYDRAULIC PUMP	9. 1510
SHAFT ASSY., GOVERNOR THROTTLE	2. 7095	SHAFT, HYDRAULIC STARTER	12.6532
SHAFT ASSY., OVERSPEED TRIP	3. 3170	SHAFT, HYDRAULIC STARTER CONTROL	12.6512
SHAFT ASSY., OVERSPEED TRIP DRIVE	3. 3210	SHAFT, HYDRAULIC STARTER ENGINE PUMP	12.6600
SHAFT ASSY., REVERSE GEAR DRIVE	9. 1100	SHAFT, INJECTOR CONTROL TUBE END	2. 9007
SHAFT ASSY., ROCKER	1. 8160	SHAFT, OIL PUMP DRIVE	4. 1070
SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE	7. 4405	SHAFT, OIL PUMP DRIVE SUPPORT	4. 1460
SHAFT ASSY., TORQUE CONVERTER OUTPUT	8. 3340	SHAFT, OIL PUMP DRIVEN GEAR	4. 1080
SHAFT ASSY., TURBOCHARGER ROTOR	3. 5033	SHAFT, OIL PUMP IDLER GEAR	4. 1360
SHAFT, ACCESSORY DRIVE	1. 7640	SHAFT, OVERSPEED TRIP GOVERNOR DRIVE ALSO BEARING	7. 4627
SHAFT, AIR INLET HOUSING BYPASS BLOWER BUTTERFLY VALVE	3. 3053	SHAFT, OVERSPEED TRIP GOVERNOR OPERATING	7. 4646
SHAFT, AIR INLET HOUSING SHUTDOWN VALVE	3. 3050	SHAFT, PLANETARY GEAR PINION	9. 1084
SHAFT, AUTOMATIC STARTING GEAR AND CAM	7. 2262	SHAFT, PRESSURE PUMP	8. 3670
SHAFT, AUTOMATIC STARTING MOUNTING	7. 2275	SHAFT, PRESSURE PUMP IDLER GEAR	8. 3737
SHAFT, BALANCE	1. 7080	SHAFT, PROPELLER DRIVE OUTPUT (TWIN AND QUAD)	9. 3465
SHAFT, BLOWER DRIVE	3. 4445	SHAFT, RAW WATER PUMP	5. 6120
SHAFT, BLOWER ROTOR	3. 4035	SHAFT, REDUCTION GEAR	8. 1935
SHAFT, CLUTCH CONTROL HAND LEVER FULCRUM	8. 1530	SHAFT, REDUCTION GEAR DRIVE	9. 1340
SHAFT, CLUTCH DRIVE	8. 1670	SHAFT, REDUCTION GEAR PINION DRIVE	9. 1300
SHAFT, CLUTCH RELEASE	8. 1270	SHAFT, STARTER DRIVE	12.6045
SHAFT, CLUTCH SHIFTER	8. 1570	SHAFT, TACHOMETER DRIVE	7. 4435
SHAFT, CONTROL CABINET TO ENGINE THROTTLE CONTROL	2. 9180	SHAFT, THERMO FAN DRIVE	5. 4360
SHAFT, EXHAUST RESTRICTOR VALVE	6. 2139	SHAFT, THROTTLE CONTROL CROSS	2. 9310
SHAFT, FAN	5. 4100	SHAFT, THROTTLE CONTROL KNOB	2. 9106
SHAFT, FAN BELT IDLER PULLEY	5. 4341	SHAFT, THROTTLE CONTROL SHAFT STUB	2. 9200
SHAFT, FAN BELT IDLER PULLEY SPRING SUPPORT	5. 4350	SHAFT, THROTTLE CONTROL-OPERATING SOLENOID DRIVE	2. 9367
SHAFT, FRESH WATER PUMP	5. 1080	SHAFT, THROTTLE CONTROL-REAR OF ENGINE TO GOVERNOR	2. 9360
SHAFT, FUEL PUMP DRIVE	2. 2093	SHAFT, TORQUE CONVERTER DRIVE	8. 3045
SHAFT, FUEL PUMP DRIVE	2. 2250	SHAFT, TRANSFER GEAR OR GEAR BOX ENGINE DRIVE (TWIN AND QUAD)	9. 3150
SHAFT, FUEL PUMP DRIVEN	2. 2089	SHAFT, TRANSFER GEAR OR GEAR BOX OR CHAIN CASE OUTPUT (TWIN AND QUAD)	9. 3042
SHAFT, GAS GOVERNOR LEVER SECTOR	2. 7075	SHAFT, TRANSMISSION INPUT OIL PUMP DRIVE	9. 9280
SHAFT, GAS GOVERNOR STOP LEVER	2. 7077	SHAFT, TRANSMISSION LOCKUP GOVERNOR DRIVE	9. 9427
SHAFT, GENERATOR DRIVE	7. 1530	SHAFT, TRANSMISSION OIL OUTPUT PUMP DRIVE	9. 9484
SHAFT, GOVERNOR	8. 3435	SHAFT, TRANSMISSION OIL OUTPUT PUMP IDLER GEAR	9. 9497
SHAFT, GOVERNOR CONTROL EQUALIZER	2. 9025	SHAFT, TRANSMISSION OIL PUMP DRIVEN	9. 9290
SHAFT, GOVERNOR CONTROL-REAR OF ENGINE TO GOVERNOR	2. 9362	SHAFT, TRANSMISSION OIL PUMP DRIVING	9. 9305
SHAFT, GOVERNOR COVER STUB	2. 7053	SHAFT, VERNIER THROTTLE CONTROL	2. 9140
SHAFT, GOVERNOR DRIVE	2. 8027	SHELL ASSY., AIR CLEANER	3. 1005
SHAFT, GOVERNOR DRIVE	2. 8820	SHELL ASSY., RADIATOR	5. 3015
SHAFT, GOVERNOR DRIVE	8. 3085		
SHAFT, GOVERNOR DRIVE FLEXIBLE	2. 8025		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
S		S	
SHELL ASSY., RADIATOR	10.1031	SLEEVE, GROUND	8. 3020
SHELL, BREATHER	4. 8055	SLEEVE, INSULATOR	7. 4150
SHELL, CONNECTING ROD BEARING	1. 6100	SLEEVE, OIL PUMP DRIVE	4. 1450
SHELL, CONVERTER OIL FILTER	8. 3874	SLEEVE, REVERSE GEAR HOUSING OIL TRANSFER	9. 1020
SHELL, CRANKSHAFT MAIN BEARING	1. 3090	SLEEVE, TRANSMISSION TORQUE CONVERTER GROUND	9. 9160
SHELL, DRAIN TANK	1. 1170	SLINGER, CRANKSHAFT OIL-FRONT	1. 3050
SHELL, FUEL FILTER	2. 3380	SLINGER, FRESH WATER PUMP SHAFT	5. 1090
SHELL, FUEL STRAINER	2. 3050	SLINGER, OVERSPEED TRIP	3. 3220
SHELL, HYDRAULIC STARTER ACCUMULATOR	12.6572	SLINGER, RAW WATER PUMP SHAFT	5. 6200
SHELL, LUBE OIL STRAINER	4. 2020	SLINGER, REDUCTION GEAR DRIVE SHAFT THRUST BEARING OIL	9. 1355
SHELL, OIL FILTER	4. 2280	SLINGER, REVERSE GEAR DRIVE SHAFT THRUST BEARING OIL	9. 1110
SHELL, OIL FILTER	9. 1781	SLINGER, TACHOMETER DRIVE SHAFT OIL	7. 4440
SHELL, OIL FILTER	9. 9575	SNAP RING, GAS GOVERNOR BUSHING	2. 7069
SHELL, OIL FILTER (TWIN AND QUAD)	9. 3655	SNAP RING, GAS NOZZLE	2. 4227
SHELL, OIL STRAINER	9. 1670	SOCKET LAMP-INSTRUMENT PANEL LAMP	7. 4105
SHIELD ASSY., RAW WATER PUMP DRIP	5. 6540	SOLENOID ASSY., GOVERNOR	7. 2460
SHIELD, EXHAUST CONNECTION	6. 2100	SOLENOID, AIR SHUTOFF OR GOVERNOR	7. 4519
SHIELD, GENERATOR VOLTAGE AND CURRENT REGULATOR TERMINAL	7. 1660	SOLENOID, AUTOMATIC STARTING	7. 2225
SHIELD, POWER GENERATOR DRIVE	7. 5600	SOLENOID, GOVERNOR OPERATING	2. 7305
SHIELD, SENDING SWITCH RADIO	7. 4131	SOLENOID, SHUTOFF	2. 9060
SHIELD, VOLTAGE REGULATOR	7. 1627	SOLENOID, THROTTLE CONTROL	2. 9355
SHIELDING, FLEXIBLE HOSE	2. 5255	SOLENOID, TRANSMISSION CONTROL	9. 9417
SHIM SET, TURBOCHARGER	3. 5010	SPACER OR SLEEVE, REDUCTION GEAR PINION BEARING	9. 1335
SHIM, BILGE PUMP BRACKET	12.2255	SPACER, ACCESSORY DRIVE BEARING	1. 7652
SHIM, BILGE PUMP SHAFT BEARING	12.2110	SPACER, ACCESSORY DRIVE OIL SEAL	1. 7665
SHIM, BLOWER ROTOR GEAR	3. 4090	SPACER, ACCESSORY DRIVE PULLEY	1. 7657
SHIM, CLUTCH COVER PLATE	8. 1260	SPACER, AIR CLEANER BRACKET	3. 1240
SHIM, CYLINDER LINER	1. 6185	SPACER, BLOWER ROTOR GEAR HUB	3. 4137
SHIM, ENGINE REAR SUPPORT	11.1102	SPACER, BLOWER ROTOR SHAFT OIL SEAL	3. 4163
SHIM, ENGINE SUPPORT	11.1080	SPACER, CLUTCH DRIVE SHAFT BEARING RETAINER	8. 1695
SHIM, GOVERNOR HIGH SPEED SPRING	2. 7600	SPACER, CLUTCH PRESSURE PLATE RELEASE SPRING	8. 1136
SHIM, GOVERNOR VARIABLE SPEED SPRING	2. 7800	SPACER, CRANKSHAFT FRONT OIL SEAL	1. 3055
SHIM, INSTRUMENT PANEL HOUSING	7. 4008	SPACER, CRANKSHAFT REAR OIL SEAL	1. 3065
SHIM, MAIN BEARING RETAINER	8. 3065	SPACER, ENGINE FRONT SUPPORT	11.1073
SHIM, OIL PUMP	4. 1030	SPACER, ENGINE MOUNTING RAIL	11.1060
SHIM, PILLOW BLOCK	8. 1820	SPACER, ENGINE REAR SUPPORT	11.1105
SHIM, TORQUE CONVERTER SUPPORT	8. 3275	SPACER, ENGINE RUBBER MOUNTING INSULATING	11.1140
SHIM, TRANSFER GEAR OUTPUT SHAFT BEARING RETAINER (TWIN AND QUAD)	9. 3105	SPACER, EXHAUST MUFFLER MOUNTING STRAP	6. 2022
SHROUD, FAN	5. 3215	SPACER, FAN BELT IDLER PULLEY BEARING	5. 4334
SHROUD, FAN	5. 4560	SPACER, FAN GUARD	5. 4600
SHUTDOWN ASSY., AIR	3. 3305	SPACER, FAN SHAFT BEARING	5. 4170
SHUTOFF, ALARM SYSTEM AND O.S. GOVERNOR	7. 4000C	SPACER, FRESH WATER PUMP BEARING	5. 1060
SILENCER, AIR	3. 2001	SPACER, FRONT BALANCE WEIGHT SPRING	1. 7170
SLEEVE, CLUTCH RELEASE	8. 1285	SPACER, FUEL FILTER	2. 3510
SLEEVE, CLUTCH RELEASE BEARING	8. 1400	SPACER, FUEL STRAINER ELEMENT	2. 3040
SLEEVE, CRANKSHAFT FRONT OIL SEAL SPACER	1. 3056	SPACER, FUEL STRAINER MOUNTING BRACKET	2. 3267
SLEEVE, CRANKSHAFT REAR OIL SEAL	1. 3066	SPACER, FUEL TANK	2. 6055
SLEEVE, CRANKSHAFT REAR OIL SEAL	1. 5012	SPACER, GENERATOR ADJUSTING STRAP	7. 1581
SLEEVE, FUEL PUMP OIL SEAL	2. 2094	SPACER, GENERATOR AND MOUNTING BRACKET	7. 1598
SLEEVE, GOVERNOR DRIVE	2. 8823	SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD	7. 1590
SLEEVE, GOVERNOR DRIVE	8. 3092	SPACER, GENERATOR DRIVEN PULLEY	7. 1503
SLEEVE, GOVERNOR DRIVEN SHAFT	2. 8800		
SLEEVE, GOVERNOR RELIEF VALVE	2. 8660		
SLEEVE, GOVERNOR SPEED ADJUSTING SHAFT	2. 8360		
SLEEVE, GOVERNOR SPEED ADJUSTING SHAFT ARM LINK	2. 8285		
SLEEVE, GOVERNOR SPEED ADJUSTING TERMINAL	2. 8480		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
S		S	
SPACER, GENERATOR RUBBER MOUNTING INSULATOR	11.1162	SPRING, EXTENSION STARTER HANDLE RETURN	12.6821
SPACER, GOVERNOR	2. 7030	SPRING, FAN BELT IDLER PULLEY SUPPORT SHAFT	5. 4353
SPACER, GOVERNOR DRIVE SHAFT BEARING	2. 8840	SPRING, FLEXIBLE COUPLING DAMPER	1. 4065
SPACER, GOVERNOR DRIVE SHAFT BEARING	8. 3095	SPRING, FLEXIBLE SHAFT CASING	12.8512
SPACER, GOVERNOR FUEL ROD	2. 8100	SPRING, FORWARD CLUTCH DUMP VALVE	9. 1270
SPACER, GOVERNOR WEIGHT BEARING	2. 7450	SPRING, FORWARD CLUTCH PLATE	9. 1237
SPACER, IDLER GEAR	1. 7240	SPRING, FORWARD CLUTCH RELEASE	9. 1240
SPACER, IDLER GEAR HOLE	1. 7260	SPRING, FREEWHEEL ROLLER	8. 3166
SPACER, INJECTOR CHECK VALVE	2. 1210	SPRING, FRESH WATER PUMP SEAL	5. 1140
SPACER, INJECTOR CONTROL TUBE LEVER	2. 9010	SPRING, FRONT BALANCE WEIGHT	1. 7160
SPACER, INJECTOR CONTROL TUBE RACK LEVER	2. 9015	SPRING, FUEL FILTER ELEMENT	2. 3370
SPACER, LINKAGE	2. 6523	SPRING, FUEL PRIMING PUMP	12.6657
SPACER, OIL COOLER BYPASS VALVE	4. 4175	SPRING, FUEL PUMP ROTOR	2. 2110
SPACER, OIL FILTER MOUNTING	4. 2460	SPRING, FUEL PUMP VALVE	2. 2150
SPACER, OIL PUMP BODY	4. 1060	SPRING, FUEL PUMP VALVE RETAINING	2. 2160
SPACER, OVERSPEED TRIP GOVERNOR SWITCH HOUSING CAP	7. 4683	SPRING, FUEL STRAINER	2. 3060
SPACER, RADIATOR MOUNTING	5. 3250	SPRING, GAS GOVERNOR ADJUSTING	2. 7082
SPACER, RAW WATER PUMP BEARING	5. 6135	SPRING, GAS GOVERNOR DETENT LEVER	2. 7087
SPACER, RAW WATER PUMP DRIVE	5. 6450	SPRING, GAS NOZZLE RETAINING	2. 4215
SPACER, RAW WATER PUMP HOUSING	5. 6070	SPRING, GOVERNOR CONTROL RETRACTING	2. 9405
SPACER, ROCKER SHAFT	1. 8173	SPRING, GOVERNOR COVER CAM CONTROL	2. 7178
SPACER, STARTER DRIVE SHAFT	12.6050	SPRING, GOVERNOR DIFFERENTIAL TORSION	2. 7313
SPACER, THROTTLE CONTROL CROSS SHAFT	2. 9320	SPRING, GOVERNOR FUEL MODULATOR	2. 7555
SPACER, TRANSFER GEAR OR GEAR BOX DRIVEN GEAR (TWIN AND QUAD)	9. 3043	SPRING, GOVERNOR FUEL ROD LONG	2. 8130
SPACER, TRANSMISSION COUNTERSHAFT FORWARD AND REVERSE GEAR	9. 9153	SPRING, GOVERNOR FUEL ROD SHORT	2. 8120
SPACER, TRANSMISSION LOCKUP GOVERNOR DRIVE SHAFT BEARING	9. 9457	SPRING, GOVERNOR HIGH SPEED	2. 7550
SPACER, TURBOCHARGER ROTOR THRUST	3. 5035	SPRING, GOVERNOR LEVER RETRACTING	2. 7210
SPACER, VALVE TO INSTRUMENT PANEL	7. 8297	SPRING, GOVERNOR LOW SPEED	2. 7540
SPACER, VIBRATION DAMPER	1. 3275	SPRING, GOVERNOR RELIEF VALVE	2. 8680
SPEED SELECT ASSEMBLY	2. 6693	SPRING, GOVERNOR SPEED ADJUSTING	8. 3465
SPEED, TRIP GOVERNOR SWITCH HOUSING	7. 4681	SPRING, GOVERNOR SPEED CONTROL LEVER	2. 7746
SPIDER AND SHAFT ASSY., GOVERNOR OPERATING	8. 3400	SPRING, GOVERNOR SPEED CONTROL PISTON	2. 7738
SPRING, AIR CYLINDER PISTON	2. 9863	SPRING, GOVERNOR SPEEDER	2. 8530
SPRING, AIR HEATER COVER	7. 8165	SPRING, GOVERNOR STARTING SOLENOID	2. 8900
SPRING, AIR HEATER FILTER	7. 8070	SPRING, GOVERNOR THROTTLE LEVER RETURN	2. 7910
SPRING, AIR INLET HOUSING BYPASS BLOWER PISTON	3. 3069	SPRING, GOVERNOR VARIABLE SPEED	2. 7760
SPRING, AIR INLET HOUSING SHUTDOWN VALVE SHAFT	7. 4541	SPRING, HYDRAULIC PUMP VALVE	9. 1525
SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION	3. 3070	SPRING, HYDRAULIC STARTER CONTROL SHAFT TORSION	12.6513
SPRING, AIR SHUTOFF CONTROL ROD	7. 4543	SPRING, HYDRAULIC STARTER ENGINE PUMP PISTON	12.6608
SPRING, AIR SHUTOFF RESET LATCH	7. 4560	SPRING, HYDRAULIC STARTER ENGINE PUMP RELIEF VALVE	12.6622
SPRING, AUTOMATIC STARTING CONTACT	7. 2287	SPRING, INJECTOR CONTROL AIR CYLINDER	2. 9097
SPRING, AUTOMATIC STARTING RETURN	7. 2267	SPRING, INJECTOR CONTROL EQUALIZER	2. 9008
SPRING, AUTOMATIC STARTING SOLENOID ROD	7. 2252	SPRING, INJECTOR CONTROL TUBE	2. 9012
SPRING, BLOWER DRIVE COUPLING	3. 4400	SPRING, INJECTOR FILTER	2. 1120
SPRING, CLUTCH ADJUSTING YOKE LOCK PIN	8. 1143	SPRING, INJECTOR PLUNGER	2. 1080
SPRING, CLUTCH CONTROL HAND LEVER	8. 1500	SPRING, INJECTOR VALVE	2. 1250
SPRING, CLUTCH DRIVE PLATE	8. 1037	SPRING, LOCK-UP CLUTCH PISTON RELEASE	8. 3241
SPRING, CLUTCH PRESSURE PLATE RETURN	8. 1135	SPRING, OIL COOLER BYPASS VALVE	4. 4150
SPRING, CLUTCH TOGGLE LEVER	8. 1100	SPRING, OIL FILTER	4. 2310
SPRING, CONVERTER OIL FILTER	8. 3879	SPRING, OIL FILTER	9. 1786
SPRING, EXHAUST VALVE	1. 8340	SPRING, OIL FILTER	9. 9590
		SPRING, OIL FILTER (TWIN AND QUAD)	9. 3670
		SPRING, OIL FILTER BYPASS VALVE	4. 2486
		SPRING, OIL FILTER BYPASS VALVE	8. 3886
		SPRING, OIL FILTER BYPASS VALVE	9. 1797
		SPRING, OIL FILTER BYPASS VALVE	9. 9611

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
S		S	
SPRING, OIL FILTER BYPASS VALVE (TWIN AND QUAD)	9. 3691	STRAINER ASSY., OIL MARINE GEAR	9. 1650
SPRING, OIL PRESSURE REGULATOR	4. 1690	STRAINER, AIR COMPRESSOR ON COMPRESSOR	12.4300
SPRING, OIL PUMP OUTLET PIPE BYPASS VALVE	4. 1620	STRAINER, FUEL TANK HOSE	2. 6007
SPRING, OIL PUMP RELIEF VALVE	4. 1260	STRAINER, OIL FILLER TUBE	4. 5020
SPRING, OIL STRAINER	9. 1665	STRAP, ACCESSORY DRIVE HOUSING ADJUSTING	1. 7628
SPRING, OIL STRAINER RELIEF VALVE	9. 1700	STRAP, ACCUMULATOR MOUNTING	12.6682
SPRING, OVERSPEED TRIP GOVERNOR HIGH OR LOW SPEED	7. 4651	STRAP, AIR CLEANER MOUNTING	3. 1220
SPRING, PRESSURE PUMP VALVE CLUTCH REGULATOR TORQUE CONVERTER REGULATOR	8. 3630	STRAP, AIR CLEANER OIL DRIP PAN	3. 1287
SPRING, PRESSURE REGULATOR RELIEF VALVE	9. 1195	STRAP, AIR SILENCER MOUNTING	3. 2014
SPRING, PUSH ROD	1. 8190	STRAP, ENGINE TO BASE GROUND	7. 7110
SPRING, RADIATOR FILLER CAP COVER	5. 3154	STRAP, EXHAUST MUFFLER GUARD MOUNTING	6. 2050
SPRING, RAW WATER PUMP SHAFT SEAL	5. 6178	STRAP, EXHAUST MUFFLER MOUNTING-FRONT	6. 2010
SPRING, REAR DISCONNECT CLUTCH	8. 3325	STRAP, EXHAUST MUFFLER MOUNTING-REAR	6. 2020
SPRING, REVERSE CLUTCH RELEASE	9. 1055	STRAP, FAN BELT IDLER PULLEY ADJUSTING	5. 4339
SPRING, SELECTOR VALVE POPPET	9. 1150	STRAP, FUEL FILTER MOUNTING	2. 3503
SPRING, SHUTOFF SOLENOID ROD RETURN	2. 9065	STRAP, FUEL TANK	2. 6065
SPRING, SPEED ADJUSTING SHAFT TORSION	2. 8355	STRAP, GENERATOR ADJUSTING	7. 1580
SPRING, STARTING CONTROL ROD RETRACTING	7. 4570	STRAP, GOVERNOR MOTOR MOUNTING	2. 8183
SPRING, STARTING MOTOR BRUSH HOLDER	7. 3115	STRAP, HYDRAULIC STARTER ENGINE PUMP ADJUSTING	12.6677
SPRING, STARTING MOTOR SOLENOID CONTACT PUSH ROD	7. 3290	STRAP, HYDRAULIC STARTER RESERVOIR	12.6552
SPRING, STARTING MOTOR SOLENOID PLUNGER	7. 3400	STRAP, STARTING MOTOR GROUND SWITCH	7. 3242
SPRING, THROTTLE BOOSTER	2. 9347	STRAPS, EXPANSION TANK WATER MOUNTING	5. 5170
SPRING, THROTTLE CONTROL SHAFT TENSION	2. 9108	STRIP, RADIATOR TANK MOUNTING	5. 3050
SPRING, TRANSMISSION CONTROL SOLENOID VALVE LOCKUP	9. 9413	STRIP, STARTING MOTOR SOLENOID TERMINAL STUD INSULATING BATTERY AND STARTING MOTOR	7. 3332
SPRING, TRANSMISSION CONTROL VALVE ACCUMULATOR VALVE	9. 9392	STRIP, WIRE ASSY. TO GENERATOR TERMINAL	7. 1633
SPRING, TRANSMISSION MAINSHAFT GEAR OPERATING CLUTCH	9. 9113	STUD, BALANCE WEIGHT COVER HOLE COVER	1. 7510
SPRING, TRANSMISSION REGULATOR VALVE	9. 9362	STUD, BILGE PUMP BODY	12.2020
SPRING, TRANSMISSION TORQUE CONVERTER FREEWHEEL ROLLER	9. 9190	STUD, BILGE PUMP SHAFT PACKING GLAND	12.2080
SPRING, VERNIER THROTTLE CONTROL LOCK	2. 9138	STUD, CYLINDER HEAD	1. 2030
SPRING, VERNIER THROTTLE CONTROL LOCK BUTTON PIN	2. 9147	STUD, EXHAUST MANIFOLD COVER PLATE	6. 1120
SPRING, WATER FILTER	5. 7026	STUD, EXHAUST MANIFOLD OUTLET	6. 1050
SPROCKET ASSY., OIL PUMP DRIVE	4. 1420	STUD, EXHAUST MANIFOLD TO HEAD	6. 1020
SPROCKET, OIL PUMP DRIVE (TWIN AND QUAD)	9. 3524	STUD, EXHAUST MANIFOLD WATER OUTLET FLANGE	6. 1160
STAKING AND FERRULE, ROLLING TOOL FLEXIBLE SHAFT	12.8518	STUD, EXHAUST MANIFOLD WATER TUBE	5. 5620
STARTER ASSY., ENGINE DRIVE	12.6020	STUD, EXHAUST OUTLET	6. 2115
STARTER ASSY., HYDRAULIC	12.6501	STUD, EXPANSION TANK	5. 5110
STARTING MOTOR	7. 3000A	STUD, FRESH WATER PUMP BODY	5. 1040
STATOR ASSY., CONVERTER FIRST	8. 3180	STUD, FRESH WATER PUMP MOUNTING	5. 1020
STATOR ASSY., CONVERTER SECOND	8. 3150	STUD, FUEL PUMP	2. 2005
STATOR, TRANSMISSION	9. 9185	STUD, FUEL STRAINER REGULATOR VALVE PACKING RETAINER	2. 3251
STOP, AUTOMATIC STARTING CAM	7. 2285	STUD, GEAR BOX COUPLING RETAINER (TWIN AND QUAD)	9. 3058
STOP, GOVERNOR VARIABLE SPEED SPRING RETAINER	2. 7795	STUD, GEAR BOX DRIVE SHAFT OIL TROUGH (TWIN AND QUAD)	9. 3262
STOP, INJECTOR VALVE	2. 1260	STUD, GEAR BOX INLET TUBE FLANGE (TWIN AND QUAD)	9. 3200
STRAINER AND PLUG ASSY., STARTING FLUID	12.6385	STUD, GOVERNOR OIL PUMP DRIVEN GEAR TO BASE	2. 8740
STRAINER ASSY., CONVERTER OIL	8. 3816	STUD, GOVERNOR STARTING SOLENOID	2. 8890
STRAINER ASSY., FUEL	2. 3001	STUD, HEAT EXCHANGER WATER INLET TUBE	5. 5450
		STUD, INJECTOR CLAMP	2. 1280
		STUD, LUBE OIL STRAINER CENTER	4. 2080
		STUD, OIL FILTER CENTER	4. 2410
		STUD, OIL FILTER CENTER	9. 1789

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
S		S	
STUD, OIL FILTER CENTER	9. 9605	SUPPORT, TRANSMISSION OIL FILLER TUBE	9. 9517
STUD, OIL FILTER CENTER (TWIN AND QUAD)	9. 3678	SUPPORT, TRANSMISSION REVERSE IDLER	
STUD, OIL PUMP	4. 1010	GEAR BEARING	9. 9257
STUD, RAW WATER PUMP INLET AND OUTLET CONNECTION	5. 6340	SUPPORT, VACUUM PUMP	12.3020
STUD, RAW WATER PUMP SHAFT PACKING GLAND	5. 6190	SWITCH, AIR HEATER	7. 8380
STUD, ROCKER COVER	1. 8475	SWITCH, AIR HEATER PRESSURE	7. 8385
STUD, STARTING MOTOR SOLENOID TERMINAL BATTERY AND STARTING MOTOR	7. 3315	SWITCH, AIR SHUTOFF OR GOVERNOR SOLENOID LIMIT	7. 4522
STUD, WATER OUTLET MANIFOLD	5. 2020	SWITCH, ALARM SHUTOFF-FUEL	7. 4598
SUB-CAP ASSY., GOVERNOR	2. 8050	SWITCH, AUTOMATIC STARTING LIMIT	7. 2280
SUMP, OIL PAN	4. 7140	SWITCH, AUTOMATIC STARTING SELECTOR	7. 2350
SUMP, REDUCTION GEAR OIL	9. 1385	SWITCH, ENGINE STARTING	7. 4115
SUPPLIES	12.8000A	SWITCH, ENGINE STARTING	7. 4562
SUPPORT AND BUSHING ASSY., OIL PUMP DRIVE SPROCKET	4. 1425	SWITCH, GEAR BOX OIL TEMPERATURE (IN PAN OF GEAR BOX)	7. 4130
SUPPORT ASSY., FAN BELT IDLER PULLEY	5. 4347	SWITCH, INSTRUMENT PANEL CONTROL	7. 4116
SUPPORT, AIR CLEANER MOUNTING BRACKET	3. 1250	SWITCH, OIL PRESSURE	7. 4125
SUPPORT, AIR CLEANER OIL DRIP PAN	3. 1289	SWITCH, OIL PRESSURE	7. 4586
SUPPORT, AIR SILENCER	3. 2010	SWITCH, OIL TEMPERATURE	7. 4593
SUPPORT, AUTOMATIC STARTING GEAR AND CAM BRACKET	7. 2273	SWITCH, OVERSPEED TRIP GOVERNOR	7. 4659
SUPPORT, BLOWER DRIVE COUPLING	3. 4380	SWITCH, SHUTDOWN SOLENOID MICRO	7. 4520
SUPPORT, BLOWER DRIVE GEAR HUB	3. 4350	SWITCH, STARTING MOTOR SOLENOID	7. 3255
SUPPORT, BREATHER TUBE CLIP	4. 8042	SWITCH, STARTING MOTOR SOLENOID OR THROTTLE	7. 2440
SUPPORT, CROSSOVER TUBE CLIP	2. 4185	SWITCH, WATER HEATER CONTROL	12.6405
SUPPORT, ENGINE AND GENERATOR HOOD CENTER	10.1060	SWITCH, WATER TEMPERATURE	7. 4128
SUPPORT, ENGINE FRONT	11.1070	SWITCH, WATER TEMPERATURE	7. 4505
SUPPORT, ENGINE FRONT TRUNNION MOUNTING	11.1090	T	
SUPPORT, ENGINE HOOD SIDE	10.1120	TACHOMETER	7. 4060
SUPPORT, ENGINE INTERMEDIATE	11.1095	TACHOMETER DRIVE	7. 4000B
SUPPORT, ENGINE REAR	11.1100	TANK AND STRAINER ASSY., STARTING AID	12.6355
SUPPORT, ENGINE REAR HOOD	10.1025	TANK ASSY., AIR BOX AND FUEL PUMP DRAIN	1. 1150
SUPPORT, EXHAUST PIPE	6. 2091	TANK ASSY., FUEL	2. 6001
SUPPORT, FAN MOUNTING	5. 4025	TANK EXPANSION	5. 5001
SUPPORT, FUEL FILTER MOUNTING BRACKET	2. 3565	TANK, AIR HEATER FUEL	7. 8180
SUPPORT, FUEL PUMP DRAIN TUBE CLIP	2. 2330	TANK, COOLANT DE-AERATION	5. 3282
SUPPORT, FUEL STRAINER MOUNTING BRACKET	2. 3263	TANK, FRESH WATER EXPANSION	5. 5090
SUPPORT, FUEL SYSTEM BYPASS VALVE	2. 5290	TANK, RADIATOR LOWER	5. 3030
SUPPORT, GENERATOR ADJUSTING STRAP BRACKET	7. 1583	TANK, RADIATOR UPPER	5. 3020
SUPPORT, GENERATOR BRACKET	7. 1596	TEE, HEAT EXCHANGER WATER INLET PIPE KEEL COOLING	5. 5485
SUPPORT, GENERATOR MOUNTING	11.1190	TEE, THERMOSTAT HOUSING WATER OUTLET KEEL COOLING	5. 5655
SUPPORT, GENERATOR SET LIFTER	10.1026	THERMOSTAT	5. 2000B
SUPPORT, HEAT EXCHANGER WATER INLET TUBE INTERMEDIATE	5. 5431	THERMOSTAT ASSY.	5. 2050
SUPPORT, INJECTOR CONTROL AIR CYLINDER	2. 9099	THREADLOCK, SEALER	12.8242
SUPPORT, INSTRUMENT PANEL	7. 4013	THROTTLE CONTROLS	2. 9000A
SUPPORT, OIL FILTER MOUNTING	4. 2470	THROWER, FRESH WATER PUMP	5. 1210
SUPPORT, OIL PUMP IDLER GEAR	4. 1335	TIP ASSY., INJECTOR SPRAY	2. 1235
SUPPORT, OIL PUMP INLET TUBE	4. 1512	TIP KIT, INJECTOR SPRAY	2. 1220
SUPPORT, PILLOW BLOCK	8. 1830	TIP, FLEXIBLE SHAFT LOWER	12.8506
SUPPORT, POWER TAKE-OFF	8. 1895	TIP, FLEXIBLE SHAFT UPPER	12.8508
SUPPORT, THROTTLE CONTROL	12.8220	TIP, INJECTOR SPRAY	2. 1230
SUPPORT, THROTTLE CONTROL BRACKET	2. 9175	TORQUE CONVERTER	8. 3000A
SUPPORT, TORQUE CONVERTER	8. 3270	TRANSFORMER, AIR HEATER	7. 8125
SUPPORT, TRANSFER GEAR POWER TAKE-OFF (TWIN AND QUAD)	9. 3312	TRANSFORMER, CIRCUIT BREAKER CURRENT	7. 6216
		TRANSFORMER, POWER GENERATOR CURRENT	7. 6785
		TRANSFORMER, POWER GENERATOR POTENTIAL	7. 6780
		TRANSMISSION ASSY.	9. 9001

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
T		T	
TRANSMISSION LINES	8. 3000B	TUBE, EXHAUST MANIFOLD WATER INLET	5. 5600
TRANSMISSION-RAIL CAR	9. 9000	TUBE, EXHAUST MANIFOLD WATER OUTLET	
TRAP, BATTERY BOX	7. 2080	KEEL COOLING	5. 5685
TROUGH, GEAR BOX DRIVE SHAFT OIL (TWIN AND QUAD)	9. 3267	TUBE, EXHAUST MANIFOLD WATER-INLET	7. 4694
TROUGH, GEAR BOX OIL (TWIN AND QUAD)	9. 3215	TUBE, EXHAUST MANIFOLD WATER-OUTLET	7. 4699
TUBE ASSY., AIR BOX TO GAS PRESSURE VALVE	2. 4140	TUBE, EXPANSION TANK OVERFLOW	5. 5190
TUBE ASSY., AIR COMPRESSOR WATER BYPASS	12.4093	TUBE, EXPANSION TANK TO OUTLET ELBOW	
TUBE ASSY., AIR CYLINDER	2. 9096	VENT	5. 2096
TUBE ASSY., AIR CYLINDER INLET	2. 9873	TUBE, FILTER TO CYLINDER HEAD	2. 5149
TUBE ASSY., CYLINDER HEAD AIR INLET	2. 9087	TUBE, FILTER TO FUEL MANIFOLD	2. 5150
TUBE ASSY., CYLINDER HEAD AIR INLET	2. 9874	TUBE, FILTER TO OIL COOLER	8. 3828
TUBE ASSY., FLYWHEEL HOUSING OIL FILLER AND BREATHER	1. 5100	TUBE, FRESH WATER PUMP VENT	5. 1003
TUBE ASSY., FUEL PUMP DRAIN	2. 2300	TUBE, FUEL COOLER	2. 5214
TUBE ASSY., GOVERNOR BEARING LUBRICATION	2. 7890	TUBE, FUEL DRAIN	2. 5210
TUBE ASSY., GOVERNOR UPPER HOUSING LUBRICATION	2. 7885	TUBE, FUEL DRAIN CROSSOVER	2. 5205
TUBE ASSY., INJECTOR CONTROL	2. 9001	TUBE, FUEL MANIFOLD TO AUXILIARY FUEL TANK	2. 5450
TUBE ASSY., OIL GALLERY TO SHUTOFF VALVE	2. 4165	TUBE, FUEL MANIFOLD TO RESERVOIR	2. 5470
TUBE ASSY., WATER MANIFOLD VENT	5. 2041	TUBE, FUEL MANIFOLD TO TORQUE CONVERTER	2. 5217
TUBE WATER BYPASS VENT	5. 2250	TUBE, FUEL PRESSURE GAGE	7. 4095
TUBE, AIR BOX DRAIN	1. 1100	TUBE, FUEL PRESSURE SWITCH	7. 4599
TUBE, AIR BOX DRAIN-TANK TO FUEL TANK	1. 1140	TUBE, FUEL PUMP TO FILTER	2. 5100
TUBE, AIR BOX DRAIN-TEE TO TANK	1. 1130	TUBE, FUEL RETURN TO AUXILIARY FUEL TANK	2. 5460
TUBE, AIR CLEANER MOUNTING	3. 1080	TUBE, FUEL SUPPLY CROSSOVER	2. 5163
TUBE, AIR CLEANER MOUNTING	3. 3005	TUBE, FUEL SUPPLY TO STRAINER	2. 5001
TUBE, AIR COMPRESSOR BOOSTER	12.4375	TUBE, FUEL SUPPLY TO STRAINER	2. 5015
TUBE, AIR COMPRESSOR LUBE OIL DRAIN	12.4070	TUBE, FUEL TANK SUCTION	2. 6095
TUBE, AIR COMPRESSOR LUBE OIL SUPPLY	12.4065	TUBE, FULL FLOW FILTER TO COOLER	9. 9640
TUBE, AIR COMPRESSOR WATER CROSSOVER	12.4087	TUBE, GAS CROSSOVER	2. 4180
TUBE, AIR COMPRESSOR WATER INLET	12.4085	TUBE, GAS GOVERNOR INLET	2. 4170
TUBE, AIR COMPRESSOR WATER OUTLET	12.4090	TUBE, GEAR BOX DRIVE GEAR HUB SPLINE OILER (TWIN AND QUAD)	9. 3400
TUBE, AIR HEATER INLET	7. 8310	TUBE, GEAR BOX DRIVE SHAFT OIL (TWIN AND QUAD)	9. 3265
TUBE, AIR HEATER PUMP INLET	7. 8300	TUBE, GEAR HOUSING WATER OUTLET	5. 5376
TUBE, AIR HEATER TO PRESSURE SWITCH	7. 8315	TUBE, GEAR HOUSING WATER OUTLET EXTENSION	5. 5379
TUBE, AUXILIARY FUEL PRIMER PUMP TO FUEL TANK	2. 5420	TUBE, GEAR TO OIL COOLER	5. 3396
TUBE, AUXILIARY FUEL PUMP SUPPLY	2. 5400	TUBE, GOVERNOR CONTROL WIRE	2. 9424
TUBE, AUXILIARY FUEL PUMP TO PRIMER PUMP	2. 5410	TUBE, GOVERNOR HOUSING DRAIN	2. 8912
TUBE, AUXILIARY FUEL PUMP TO RESERVOIR	2. 5405	TUBE, GOVERNOR OPERATING PRESSURE	2. 8910
TUBE, AUXILIARY FUEL TANK TO BASE	2. 5430	TUBE, HEAT EXCHANGER RAW WATER INLET INTERMEDIATE	5. 5430
TUBE, AUXILIARY FUEL TANK TO FUEL STRAINER	2. 5440	TUBE, HEAT EXCHANGER RAW WATER INLET INTERMEDIATE	5. 6583
TUBE, BASE TO FUEL STRAINER	2. 5435	TUBE, HEAT EXCHANGER WATER INLET	5. 5440
TUBE, BATTERY BOX HEATER	7. 8420	TUBE, HEAT EXCHANGER WATER INLET	5. 6585
TUBE, BILGE PUMP PRIMING	12.2190	TUBE, HEAT EXCHANGER WATER OUTLET	5. 5550
TUBE, BLOWER DRAIN	3. 4433	TUBE, HEATER WATER INLET	5. 3450
TUBE, BLOWER OIL SUPPLY	2. 6625	TUBE, HYDRAULIC GEAR OIL STRAINER TO PUMP	9. 1720
TUBE, BLOWER OIL SUPPLY	3. 4192	TUBE, HYDRAULIC GOVERNOR AND RESERVOIR	2. 9858
TUBE, BREATHER TUBE TO DRAIN TANK	4. 8190	TUBE, HYDRAULIC PUMP OIL INLET	9. 1575
TUBE, CONVERTER TANK TO PUMP	8. 3820	TUBE, HYDRAULIC PUMP TO CONTROL VALVE	9. 1593
TUBE, CONVERTER TO FILTER	8. 3827	TUBE, HYDRAULIC PUMP TO OIL COOLER OR OIL FILTER INLET AND OUTLET	9. 1592
TUBE, CONVERTER TO OIL COOLER	8. 3800	TUBE, HYDRAULIC STARTER ACCUMULATOR TO HYDRAULIC STARTER	12.6860
TUBE, CONVERTER TO TANK	8. 3830		
TUBE, CYLINDER HEAD AIR INLET	4. 8120		
TUBE, DRAIN TANK RETAINER	1. 1190		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
T		T	
TUBE, HYDRAULIC STARTER HAND PUMP TO ACCUMULATOR	12.6855	TUBE, TRANSFER GEAR HOUSING OIL DRAIN (TWIN AND QUAD)	9. 3480
TUBE, INTERCOOLER WATER RETURN	3. 5428	TUBE, TRANSMISSION LOCKUP GOVERNOR	9. 9473
TUBE, INTERCOOLER WATER SUPPLY	3. 5427	TUBE, TRANSMISSION OIL DRAIN	9. 9540
TUBE, LUBE OIL TRANSFER INPUT PUMP TO TRANSMISSION	9. 9338	TUBE, TRANSMISSION OIL FILLER	9. 9507
TUBE, MARINE GEAR TO GEAR BOX TO OIL STRAINER	9. 1730	TUBE, TRANSMISSION OIL PUMP LOWER INLET	4. 1661
TUBE, MARINE GEAR TO OIL STRAINER	4. 4350	TUBE, TRANSMISSION TO FULL FLOW FILTER INLET	9. 9630
TUBE, OIL COOLER INLET AND OUTLET OIL	4. 4190	TUBE, TURBOCHARGER OIL RETURN	3. 5505
TUBE, OIL COOLER TO CONVERTER	8. 3818	TUBE, TURBOCHARGER OIL SUPPLY	3. 5500
TUBE, OIL COOLER TO CONVERTER TANK	8. 3825	TUBE, TURBOCHARGER WATER RETURN	3. 5525
TUBE, OIL COOLER TO OIL COOLER	8. 3823	TUBE, TURBOCHARGER WATER SUPPLY	3. 5520
TUBE, OIL COOLER TO SELECTOR VALVE	9. 1587	TUBE, VACUUM PUMP OIL DRAIN	12.3050
TUBE, OIL COOLER WATER OUTLET	4. 4270	TUBE, VACUUM PUMP OIL SUPPLY	12.3040
TUBE, OIL COOLER WATER OUTLET HOSE SUPPORT	4. 4260	TUBE, WATER BYPASS	5. 2160
TUBE, OIL DRAIN	4. 1642	TUBE, WATER BYPASS FROM EXHAUST MANIFOLD	5. 2162
TUBE, OIL FILLER	4. 5001	TUBE, WATER BYPASS TO EXHAUST MANIFOLD	5. 2161
TUBE, OIL FILTER INLET	4. 3001	TUBE, WATER HEATER OUTLET	12.6408
TUBE, OIL FILTER OUTLET	4. 3020	TUBE, WATER HEATER SUPPLY	12.6407
TUBE, OIL PAN DRAIN	4. 7100	TUBE, WATER OUTLET MANIFOLD	5. 2045
TUBE, OIL PRESSURE GAGE	4. 4340	TUBE, WATER PUMP DRAIN	5. 1280
TUBE, OIL PRESSURE GAGE FOR CUSTOMER GAGE CONNECTOR TO SELECTOR VALVE HOUSING FLANGE	9. 1775	TUBE, WIRING HARNESS	7. 7020
TUBE, OIL PRESSURE GAGE-ENGINE	7. 4074	TUBING, THERMO CONTROL ADAPTOR TO OIL COOLER	7. 4511
TUBE, OIL PRESSURE GAGE-MARINE	4. 1597	TUBING, WATER MANIFOLD TO THERMO CONTROL ADAPTOR	7. 4507
TUBE, OIL PRESSURE GAGE-REVERSE GEAR OR TRANSMISSION	7. 4075	TURBINE, CONVERTER	8. 3200
TUBE, OIL PRESSURE SWITCH	7. 4596	TURBINE, TRANSMISSION TORQUE CONVERTER	9. 9200
TUBE, OIL PRESSURE SWITCH RETURN	7. 4597	TURBOCHARGER	3. 5001
TUBE, OIL PUMP OUTLET (TWIN AND QUAD)	9. 3540	TURBOCHARGER, INTERCOOLER AND AFTERCOOLER	3. 5000A
TUBE, OIL RETAINER-BALANCE SHAFT	4. 1595		
TUBE, OVERSPEED GOVERNOR OIL SUPPLY	7. 4668	V	
TUBE, OVERSPEED GOVERNOR TO SHUTDOWN SWITCH	7. 4689	VACUUM PUMP	12.3000A
TUBE, PRESSURE PUMP TO RELIEF VALVE	8. 3805	VALVE AND INJECTOR OPERATING MECHANISM	1. 8000
TUBE, PUMP TO CONVERTER	8. 3810	VALVE ASSY., AIR HEATER PUMP SUPPLY SHUTOFF	7. 8295
TUBE, RAW WATER MANIFOLD TO PUMP INTERMEDIATE	5. 5364	VALVE ASSY., AIR SHUTDOWN	3. 3035
TUBE, RAW WATER PUMP INLET	5. 5377	VALVE ASSY., AIR STARTER	12.6130
TUBE, RAW WATER PUMP INLET INTERMEDIATE	5. 6496	VALVE ASSY., EXHAUST RESTRICTOR	6. 2130
TUBE, RAW WATER PUMP INTERCOOLER	3. 5429	VALVE ASSY., FAN THERMO CONTROL	5. 4185
TUBE, RAW WATER PUMP OUTLET	5. 5380	VALVE ASSY., FUEL PUMP	2. 2130
TUBE, RAW WATER PUMP OUTLET	5. 6580	VALVE ASSY., GAS GOVERNOR	2. 7055
TUBE, REDUCTION GEAR OIL FILLER	9. 1410	VALVE ASSY., GOVERNOR CHECK	2. 8515
TUBE, RELIEF VALVE TO CONVERTER	8. 3812	VALVE ASSY., GOVERNOR RELIEF	2. 8630
TUBE, RELIEF VALVE TO TANK	8. 3815	VALVE ASSY., HYDRAULIC STARTER ASSY. CONTROL	12.6516
TUBE, RESERVOIR RETURN	2. 5480	VALVE ASSY., HYDRAULIC STARTER RELIEF	12.6970
TUBE, RESERVOIR TO STRAINER	2. 5475	VALVE ASSY., INJECTOR	2. 1240
TUBE, REVERSE GEAR OIL OUTLET	9. 1595	VALVE ASSY., MASTER CYLINDER CHECK	12.6816
TUBE, SOLENOID VALVE SHORT	7. 4703	VALVE ASSY., OIL COOLER BYPASS	4. 4120
TUBE, SOLENOID VALVE-LONG	7. 4673	VALVE ASSY., OIL PUMP OUTLET PIPE BYPASS	4. 1600
TUBE, STARTING AID PUMP TO NOZZLE	12.6370	VALVE ASSY., SELECTOR	9. 1135
TUBE, STARTING AID TANK TO PUMP	12.6365	VALVE ASSY., TORQUE CONVERTER PRESSURE RELIEF	8. 3803
TUBE, STRAINER TO FUEL PRIMER PUMP	2. 5055	VALVE KIT, GOVERNOR RELIEF	2. 8635
TUBE, STRAINER TO FUEL PUMP	2. 5050	VALVE KIT, INJECTOR	2. 1238
TUBE, STRAINER TO PUMP	8. 3832	VALVE, AIR HEATER PUMP-INLET	7. 8270
TUBE, TORQUE CONVERTER INLET TO PRESSURE RELIEF VALVE	8. 3804		

ALPHABETICAL INDEX

PART NAME	GROUP NO.	PART NAME	GROUP NO.
V		W	
VALVE, AIR HEATER PUMP-OUTLET	7. 8280	WASHER, AIR HEATER RESISTOR BRACKET CENTERING	7. 8410
VALVE, AIR INLET HOUSING BYPASS BLOWER BUTTERFLY	3. 3043	WASHER, BLOWER DRIVE GEAR HUB THRUST	3. 4320
VALVE, AIR INLET HOUSING SHUTDOWN	3. 3040	WASHER, BLOWER ROTOR GEAR RETAINING	3. 4120
VALVE, AUTOMATIC SHUTDOWN AND ALARM SOLENOID	7. 4652	WASHER, CAM AND BALANCE SHAFT END BEARING THRUST	1. 7030
VALVE, EXHAUST	1. 8310	WASHER, CLUTCH SHIFTER SHAFT THRUST	8. 1640
VALVE, EXHAUST RESTRICTOR	6. 2136	WASHER, CRANKSHAFT CAP RETAINER-FRONT	1. 3057
VALVE, FORWARD CLUTCH DUMP	9. 1265	WASHER, CRANKSHAFT MAIN BEARING THRUST	1. 3100
VALVE, FUEL STRAINER REGULATOR	2. 3220	WASHER, CUPPED SLOTTED STARTING MOTOR SOLENOID CONTACT PUSH ROD SPRING	7. 3300
VALVE, FUEL STRAINER VENT	2. 3210	WASHER, CUPPED STARTING MOTOR SOLENOID CONTACT PUSH ROD SPRING	7. 3295
VALVE, FUEL SUPPLY CHECK	2. 5006	WASHER, FLEXIBLE SHAFT TIP RETAINING	12.8510
VALVE, FUEL SYSTEM BYPASS	2. 5280	WASHER, FRESH WATER PUMP SEAL	5. 1180
VALVE, GAS AUTOMATIC SHUTOFF	2. 4150	WASHER, FUEL PIPE CONNECTOR	2. 4050
VALVE, GAS GOVERNOR	2. 7065	WASHER, GENERATOR RUBBER MOUNTING INSULATOR	11.1180
VALVE, GAS PRESSURE CONTROL	2. 4115	WASHER, GOVERNOR THROTTLE SHAFT	2. 7140
VALVE, GOVERNOR OPERATING SOLENOID	2. 8915	WASHER, OIL PUMP DRIVE SUPPORT THRUST	4. 1470
VALVE, HYDRAULIC PUMP	9. 1520	WASHER, PILOT BEARING RETAINER	8. 3215
VALVE, HYDRAULIC STARTER ACCUMULATOR	12.6576	WASHER, PLAIN STARTING MOTOR SOLENOID CONTACT PUSH ROD SPRING	7. 3305
VALVE, HYDRAULIC STARTER ACCUMULATOR PRESSURE RELIEF	12.6583	WASHER, PLANETARY GEAR RETAINING	9. 1090
VALVE, HYDRAULIC STARTER CONTROL	12.6518	WASHER, PLANETARY GEAR THRUST	9. 1085
VALVE, HYDRAULIC STARTER ENGINE PUMP CHECK	12.6615	WASHER, REAR DISCONNECT CLUTCH DRUM	8. 3312
VALVE, HYDRAULIC STARTER ENGINE PUMP RELIEF	12.6620	WASHER, REDUCTION GEAR DRIVE SHAFT THRUST	9. 1325
VALVE, HYDRAULIC STARTER HAND PUMP CHECK	12.6640	WASHER, REVERSE SUN GEAR THRUST	9. 1075
VALVE, HYDRAULIC STARTER HAND PUMP RELIEF	12.6635	WASHER, SELECTOR VALVE LOCATING SCREW	9. 1170
VALVE, INJECTOR	2. 1245	WASHER, STARTING MOTOR SOLENOID CONTACT PUSH ROD RETAINER	7. 3285
VALVE, INJECTOR CHECK	2. 1200	WASHER, STATOR THRUST	8. 3140
VALVE, OIL COOLER BYPASS	4. 4140	WASHER, THROTTLE CONTROL TUBE BRAKE	2. 9105
VALVE, OIL FILTER BYPASS	4. 2485	WASHER, TRANSMISSION COUNTERSHAFT FRONT BEARING RETAINING	9. 9070
VALVE, OIL FILTER BYPASS	8. 3884	WASHER, TRANSMISSION COUNTERSHAFT REAR BEARING RETAINING	9. 9080
VALVE, OIL FILTER BYPASS	9. 1796	WASHER, TRANSMISSION TORQUE CONVERTER STATOR THRUST	9. 9187
VALVE, OIL FILTER BYPASS	9. 9610	WATER BYPASS TUBE	5. 2000C
VALVE, OIL FILTER BYPASS (TWIN AND QUAD)	9. 3690	WATER CONNECTIONS	5. 3000B
VALVE, OIL PRESSURE REGULATOR	4. 1700	WATER FILTER	5. 7000A
VALVE, OIL PUMP OUTLET PIPE BYPASS	4. 1630	WATER HEATER, KIM HOT-START	12.6403
VALVE, OIL PUMP RELIEF	4. 1250	WATER OUTLET MANIFOLD AND/OR ELBOW	5. 2000A
VALVE, OIL STRAINER RELIEF	9. 1695	WATER OUTLET, THERMOSTAT	5. 2095
VALVE, PACKAGE ROTATING EXHAUST	1. 8311	WEIGHT AND CARRIER ASSY., OVERSPEED TRIP GOVERNOR	7. 4623
VALVE, PRESSURE PUMP	8. 3620	WEIGHT AND HOUSING ASSY., OVERSPEED TRIP GOVERNOR	7. 4613
VALVE, PRESSURE PUMP CLUTCH REGULATOR TORQUE CONVERTER REGULATOR	8. 3615	WEIGHT ASSY., GOVERNOR	8. 3405
VALVE, PRESSURE REGULATOR RELIEF	9. 1194	WEIGHT SET, GOVERNOR	2. 7400
VALVE, RADIATOR PRESSURE RELIEF	5. 3025	WEIGHT, FRONT BALANCE	1. 7140
VALVE, STARTING AID PUMP-INLET	12.6340	WEIGHT, GOVERNOR	2. 7390
VALVE, STARTING AID PUMP-OUTLET	12.6345	WEIGHT, INJECTOR CONTROL TUBE BALANCE	2. 9020
VALVE, THERMOSTAT HOUSING	5. 2140	WEIGHT, OVERSPEED TRIP GOVERNOR	7. 4625
VALVE, TRANSMISSION CONTROL SOLENOID	9. 9412	WEIGHT, REAR BALANCE	1. 7190
VALVE, TRANSMISSION CONTROL VALVE ACCUMULATOR	9. 9387	WEIGHT, SPEED SENSOR PULSE WHEEL BALANCE	1. 7134
VALVE, TRANSMISSION REGULATOR	9. 9357	WHEEL, SPEED SENSOR PULSE	1. 7133
VANE, FUEL PUMP ROTOR	2. 2100	WHEEL, TURBOCHARGER COMPRESSOR	3. 5036
VENT, CYLINDER HEAD	4. 8100		
VENTILATING SYSTEM	4. 8000A		
VIBRATION DAMPER	1. 3000B		

ALPHABETICAL INDEX

PART NAME

GROUP NO.

PART NAME

GROUP NO.

W

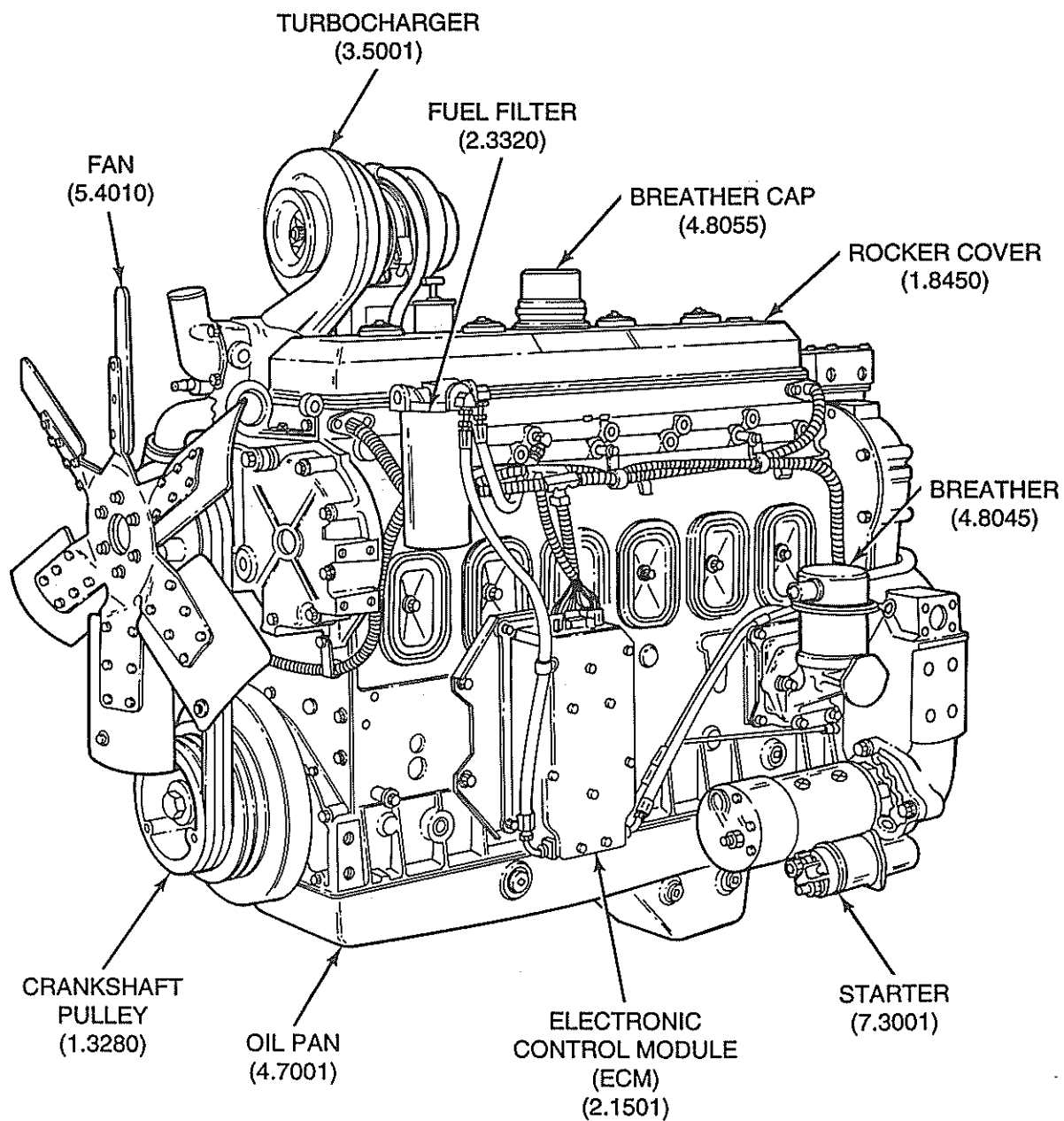
WICK ASSY., CLUTCH PILOT BEARING1. 3020
WICK, CRANKSHAFT OIL1. 3030
WICK, OVERSPEED TRIP GOVERNOR HOUSING
COVER OIL7. 4640
WIRE ASSY., AIR HEATER PRESSURE SWITCH .7. 8384
WIRE ASSY., GENERATOR TO REGULATOR ..7. 1630
WIRE, AIR INLET HOUSING SHUTDOWN
CONTROL3. 3250
WIRE, AIR SHUTOFF CONTROL-RESET7. 4525
WIRE, CONDENSER TO GENERATOR7. 1437
WIRE, GOVERNOR CONTROL2. 9422
WIRE, GOVERNOR MANUAL SHUTDOWN
LEVER2. 7837

W

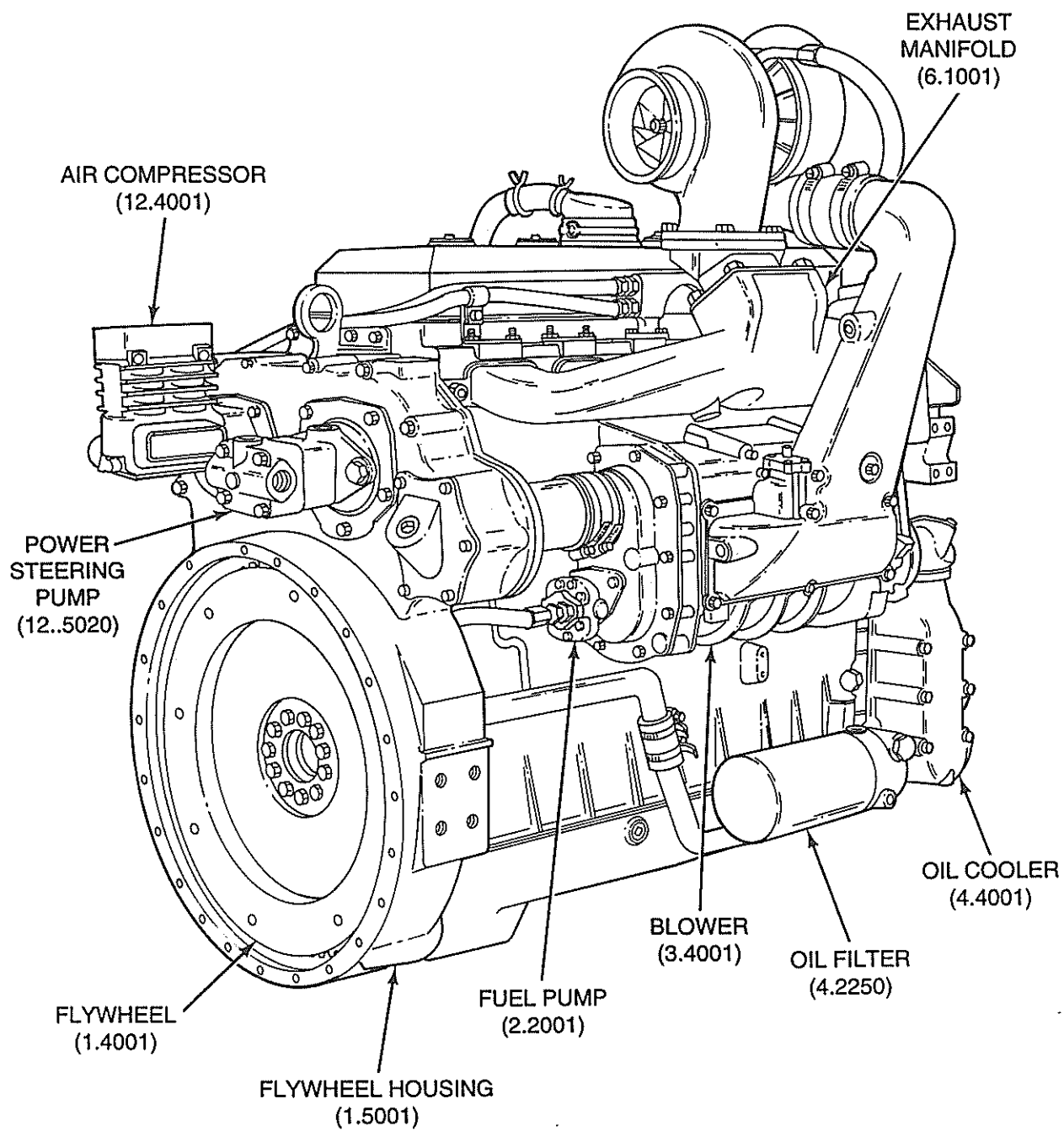
WIRE, STARTING MOTOR SOLENOID SWITCH
ENGINE BASE7. 7090
WIRE, 14 ELECTRIC 100 FT ROLL RAIL CAR .12.8225
WIRING HARNESS7. 7000A
WORM, VERNIER THROTTLE CONTROL2. 9139

Y

YOKE ASSY., CLUTCH ADJUSTING8. 1141
YOKE, CLUTCH RELEASE8. 1275
YOKE, HYDRAULIC STARTER CLUTCH12.6508



TYPICAL INLINE 71 ENGINE



TYPICAL INLINE 71 ENGINE

D E T R O I T D I E S E L
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
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1.1000 - CYLINDER BLOCK

BLOCK, CYLINDER

FOR COMPONENTS OF SERVICE CYLINDER BLOCK ASSEMBLIES REFER TO ASSEMBLY BREAK
DOWN PAGE A1.

23503598	BLOCK ASSY., 6-71	1
5196146 NS U	BLOCK ASSY., 6-71 (23503598)	1
BLOCK, CYLINDER		
103325	LOCKWASHER, 5/8"	14
141346	PIN, 3/16"X1/2" DOWEL (12.9290)	4
5102373	WASHER, 1.125"O.D.X.656"I.D. (1.3140)	14
5115214	PLUG, 1/2"-14 PIPE (12.9550)	5
5139988	PLUG, CUP 1" DIA. STNLS.	2
5142549	PLUG, 3/4" PIPE SQ. SOC. (12.9550)	2
5150014	PLUG, 1 1/4" CUP (1.1001)	2
5150130	PLUG, CUP 5/16" (1.1001)	2
5151122	PLUG, 3/8" CUP (1.1001)	2
5151272	PLUG, 11/32" SPECIAL (1.8160)	4
5151576	PIN, 1/2"X1 5/8" DOWEL	4
5154319	PLUG, 1/4"X5/16" PIPE	3
5156280	PLUG, 5/8" CUP (3.3003)	2
5158674	CAP, MAIN BEARING (FINISHED) (1.3110)	7
5183304	PLUG, .370"X.50" L.	4
8923847	PLUG, PIPE 1/4"-18" NPTF	13
8924153	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)	2
8924380	PLUG, 1/8"-27 PIPE (12.9550)	9
8924517	PLUG, 3/8"-18 SQ. SOC. VIBRA SEAL (12.9550)	3
5151272	PLUG, 11/32" SPECIAL (1.8160)	6
5170896	PLUG (1.1001)	1
5150014	PLUG, 1 1/4" CUP (1.1001)	2
5183256	PLUG, 1 1/4" O.D. X 3/8" PIPE TAP (1.1001)	1
8922304	PLUG, 1/8" PIPE (12.9550)	2
5150129	STUD, 3/8"X1 1/2" (PUMP TO MAIN BEARING CAP) (4.1010)	2
103341	WASHER, 3/8"	1
9428638	BOLT, 3/8"-16X5/8" L.	1
103321	LOCKWASHER, 3/8"	1

U NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES.

I THRU 2A-5793.

& USED ONLY ON UNITS USING ENGINE OIL IN HYRAULIC MARINE GEAR.

DELETE ONE WHEN TYPE 9 OIL FILLER IS USED.

\$ REPLACES ONE 5150014 WHEN AIR COMPRESSOR IS USED.

GASKET KIT, ENGINE OVERHAUL

A GASKET KIT CONSISTS OF THE NECESSARY GASKETS FOR (1) COMPLETE ENGINE OVERHAUL. GASKET KITS DO NOT INCLUDE THE ADDITIONAL GASKET REQUIRED FOR TURBOCHARGED ENGINES.

5192923	&K GASKET KIT	AR
5194807	@ ENGINE OVERHAUL GASKET KIT, INDUSTRIAL SUPPLEMENT,	AR
23512676	*& GASKET KIT (ENGINE OVERHAUL) 6-71	AR

& FOR TURBO MODEL USE 5132117 HAND HOLE GASKET AS REQUIRED.

K THRU 3A-8329, 4A-19528, 6A-16282, 8A-182, 12A-1344, 24A-139.

@ APPLICABLE TO MODEL 64HN9; WHEN USED WITH GASKET KIT 5192923 PROVIDES COMPLETE GASKETS FOR ENGINE OVERHAUL.

* EFF. WITH 3A-8330, 4A-19529, 6A-16283, 8A-183, 12A-1345, 24A-140. DOES NOT INCLUDE END PLATE GASKET 5186643 FOR ALUMINUM ENGINES.

PLATE, CYLINDER BLOCK END-FRONT

5152878	PLATE (CAST-IRON)	1
179839	BOLT, 3/8"-16 X 1"	6
5111686	PLATE (CAST-IRON)	1
179882	BOLT, 1/2"-13X1 1/8"	2
103321	LOCKWASHER, 3/8"	6
103323	LOCKWASHER, 1/2"	2

PLATE, CYLINDER BLOCK END-REAR

5150060	PLATE (CAST-IRON)	1
179839	BOLT, 3/8"-16 X 1"	6
103321	LOCKWASHER, 3/8"	6

GASKET, CYLINDER BLOCK END PLATE-FRONT

5177798	GASKET	1
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DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.1000 - CYLINDER BLOCK		
GASKET, CYLINDER BLOCK END PLATE - REAR 5177798	GASKET	1
COVER, CYLINDER BLOCK HAND HOLE		
5164052	= COVER (1/8" TAPPED HOLE)	1
5184726	B COVER (ONE 1/2", ONE 3/4" TAPPED HOLES) (1.1040)	1
5188901	A COVER (INCLUDES NOZZLE) (A & B ENGINE)	1
5188902	A COVER (INCLUDES NOZZLE) (C & D ENGINE)	1
5153117	C COVER, CYL. BLK. HOLE (1.1040)	8
5180189	COVER, CYL. BLK. HOLE (1.1040)	1
23505525	GASKET, 3/8" ANNULAR (1.1040)	8
5184459	B COVER (TWO 1/2" TAPPED HOLES, CAST IRON)	1
5115214	PLUG, 1/2"-14 PIPE (12.9550)	AR
5142549	PLUG, 3/4" PIPE SQ. SOC. (12.9550)	2
108608	BOLT, 3/8"-16X2 1/8"	8
103341	WASHER, 3/8"	8
= OBSOLETE.		
B NOT SERVICED, USE 5180189 AND INCLUDE (2) 8924163 BUSHINGS.		
A USED IN CONJUNCTION WITH STARTING AID, GROUP 12.6000C.		
C DELETE (1) 5153117 FOR EACH WHEN 5164052, 5180189, 5184459, 5176409, 5184726 OR 5132116 IS USED.		
GASKET, CYLINDER BLOCK HAND HOLE COVER 5132117	GASKET (1.1070)	8
COVER, CYLINDER BLOCK WATER HOLE		
5150023	COVER, PLAIN (3 10/32" L.)	1
5115097	COVER, 3/8" TAPPED HOLE	1
5164190	COVER, 1/4" TAPPED HOLE	1
118536	DRAINCOCK, 3/8"	1
148344	DRAINCOCK, 1/4"	1
5124238	HOSE, CYLINDER BLOCK DRAIN (1.1060) (CUT L. 14.0")	1
3291251	CLIP, 5/8" TUBE, 1/2" BOLT (1.1060)	1
112578	PLUG, 1/4" BRASS PIPE (12.9550)	1
5148436	BOLT, 5/16"-18X3/4" (W/LW) (12.9001)	2
186625	BOLT, 5/16"-18X7/8"	2
103320	LOCKWASHER, 5/16"	2
GASKET, CYLINDER BLOCK WATER HOLE COVER 5116357	GASKET	1
CLEANER AIR BOX DRAIN 5153467	CLEANER	4
1.1000A - AIR BOX DRAINS		
TUBE, AIR BOX DRAIN		
5108278	HOSE, 1/4"X6 1/2" (1.1130)	1
5114048	CONNECTOR, 1/4" HOSE X 1/4" INV. FL. TUBE SWIVEL	2
8925029	CONNECTOR, 1/4"-18 (12.9460)	1
8924168	ELBOW, 90 DEG. STREET, 1/4" PIPE (12.9590)	1
25042692	CHECK VALVE ASSY. (4 PSI)	2
5113191	FITTING, FEMALE SWIV. 3/8" HOSE 5/8"-18 (12.6692)	2
8925032	ELBOW, 1/4"-90 DEG. INV. FL. TUBE; 1/8" PIPE	1
CLIP, AIR BOX DRAIN TUBE		
8927579	BOLT, 3/8"-16X.88" (W/SEAL PATCH) (12.9001)	1
103321	LOCKWASHER, 3/8"	1
103322	LOCKWASHER, 7/16"	1
102635	NUT, 3/8"-16	1
179857	BOLT, 7/16"-14X7/8"	1
5127677	BRACKET (4.6040)	1
5186803	CLIP, 13/16" TUBE (7.7380)	1
1.2000 - CYLINDER HEAD		
HEAD ASSY., CYLINDER		
R5102770	REMANUFACTURED 5102770	AR
5102770	HEAD ASSY. (4 VALVE OR TURBO) (12V)	1
5197213 NS U	HEAD ASSY., 6-71 (4 VALVE) (TURBO AND NON-TURBO) (5102770)	1

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.2000 - CYLINDER HEAD		
HEAD ASSY., CYLINDER		
5100929	SLEEVE, PILOT	2
5101101	INSERT, VALVE (1.8330)	24
5104701	SEAL RING, INJECTOR HOLE TUBE (1.2046)	6
5111332	NOZZLE, WATER (DOUBLE OUTLET) (1.2005)	10
8925804	STUD, 7/16"-14/20X2 3/32" (6.1020)	7
5117369	CONNECTOR	12
5117562	WASHER, 1/2"X15/16"X1/16" (1.8360)	24
5117564	GUIDE, EXHAUST VALVE BRIDGE (1.8345)	12
5125108	WASHER, 7/16"X3/4" (2.4030)	12
5125237	PLUG, 1/4" PIPE (1.2001)	5
5129919	GUIDE, EXHAUST VALVE (1.8320)	24
5142549	PLUG, 3/4" PIPE SQ. SOC. (12.9550)	4
8924517	PLUG, 3/8"-18 SQ. SOC. VIBRA SEAL (12.9550)	2
5150132	PLUG, 3/4" DIA. CUP (1.1001)	2
5154453	PLUG, 3/8"-16 (12.001)	4
5172874	NOZZLE, WATER (SINGLE OUTLET) (1.2005)	4
5178976	PLUG, 7/16"-14 (1.3160)	4
5193541	PLUG, FUSE	1
8923847	PLUG, PIPE 1/4"-18" NPTF	13
8924195	CONNECTOR, 5/16" INV. FL. TUBE (.080" REST.)	1
8925981	TUBE KIT, INJECTOR HOLE (INCLUDES 5104701 SEAL RIN	6
U NOT SERVICED, USE PART NUMBER IN PARENTHESES.		
GASKET KIT, CYLINDER HEAD OVERHAUL		
A GASKET KIT INCLUDES ITEMS IN 1.2010, 1.2020, 1.2090, 1.8455, 2.7010, 2.7020, 2.7051, 4.8020, 5.2110, 5.2130, AND 6.1010. 3, 4 AND 6 CYLINDER GASKET KIT INCLUDES ITEMS IN 1.2010, 1.2020, 1.2022, 1.2060, 1.2090, 1.8455, 2.7020, 2.7051, 2.7530, 2.8045, 2.8260, 4.8020, 5.2010, 5.2170 AND PLAIN STEEL A SBESTOS GASKET IN 6.1010. METAL CLAD GASKETS IN 6.1010.		
5195742	@ GASKET KIT, 6-71 METAL CLAD (OPT.)	AR
5195742	GASKET KIT, 6-71 METAL CLAD (OPT.)	AR
@ EFF. WITH 3A-8330, 4A-19529, 6A-16283, 8A-183, 12A-1345, 24A-140.		
GASKET, CYLINDER HEAD COMPRESSION		
5103659	A@ GASKET	6
A DO NOT MIX COLORS IN AN ENGINE; WHITE .057"-.061" THK., ORANGE .058"-.062" THK. AND GREEN .059"-.063" THK.		
@ EFF. WITH 3A-8330, 4A-19529, 6A-16283, 8A-183, 12A-1345, 24A-140.		
GASKET SET, CYLINDER HEAD OIL		
A GASKET SET INCLUDES TWO (2) END AND TWO (2) SIDE GASKETS.		
5119974	@ RING, SEAL	1
5186577	@ SEAL RING .547" I.D. X .750" O.D. X .121" THK.	2
5186579	@ SEAL RING .797" I.D. X 1.062" O.D. X .147" THK.	10
@ EFF. WITH 3A-8330, 4A-19529, 6A-16283, 8A-183, 12A1345, 24A-140.		
GASKET, CYLINDER HEAD WATER AND OIL		
5183305	@ GASKET	2
@ EFF. WITH 3A-8330, 4A-19529, 6A-16283, 8A-183, 12A-1345, 24A-140.		
STUD, CYLINDER HEAD		
5117003	@ BOLT, 5/8"-11 X 5 3/8"	14
@ EFF. WITH 3A-8330, 4A-19529, 6A-16283, 8A-183, 12A-1345, 24A-140.		
COVER, CYLINDER HEAD GOVERNOR HOLE		
5150268	COVER (PLAIN)	3
5131486	COVER (1/4" TAPPED HOLE) (7.4597)	AR
186676	B BOLT, 1/4"-20X5/8"	AR
5104089	BOLT, 1/4"-20X1/2" (W/SEAL PATCH) (12.9001)	6
120392	WASHER, 1/4"	6
5179709	B WASHER, 1/4" (COPPER) (2.7175)	AR
B USE WITH TAPPED COVER.		
GASKET, CYLINDER HEAD GOVERNOR HOLE COVER		
5123812	GASKET (1.2060)	4
1.2000A - ENGINE, LIFTER BRACKET		
BRACKET, ENGINE LIFTER-FRONT		
5150050	BRACKET (ITEM 1)	1
179862	BOLT, 7/16"-14X1 1/2"	2

**DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97**

PART #	NAME AND DESCRIPTION	QUANTITY
1.2000A - ENGINE, LIFTER BRACKET		
5104609	BOLT, 7/16"-14X1.50" W/SEAL PATCH (12.9001)	2
103322	LOCKWASHER, 7/16"	4
BRACKET, ENGINE LIFTER-REAR		
5150050	BRACKET (ITEM 1)	1
5104609	BOLT, 7/16"-14X1.50" W/SEAL PATCH (12.9001)	2
179862	BOLT, 7/16"-14X1 1/2"	2
103322	LOCKWASHER, 7/16"	4
GASKET, ENGINE LIFTER BRACKET		
5150052	GASKET	2
1.3000 - CRANKSHAFT, OIL SEALS AND STABILIZERS		
CRANKSHAFT ASSY.		
5107033	CRANKSHAFT ASSY., 6-71	1
8924749	PLUG, 1/8"-27 PIPE SQ. SOC. (12.9550)	6
444692	*F PLUG, 1/4" PIPE (12.9550)	1
5173048	* PLUG, 1/4" (USED WITH BAFFLE 5155661)	1
5177528	@ DOWEL, 9/16"X1 5/8"	2
* THRU 2A-54289, 3A-51238, 4A-101720, 6A-109237, 8A-1627, 12A-6165, 24A-491. NO PROVISION IN CRANKSHAFT FOR PILOT BEARING OILING AFTER THESE SERIAL NUMBERS.		
F USED WITH SEALED ROLLER TYPE CLUTCH PILOT BEARING OR WHEN BAFFLE OR OIL WICK IS NOT REQUIRED.		
@ NOT REQUIRED EFF. WITH 1980 ENGINES.		
BAFFLE, CRANKSHAFT OIL		
5159331	* BAFFLE (OIL, HOLE FOR WICK ASSY.)	1
5155661	* BAFFLE (GREASE, NO HOLE)	1
* THRU 2A-54289, 3A-51238, 4A-101720, 6A-109237, 8A-1627, 12A-6165, 24A-491. NO PROVISION IN CRANKSHAFT FOR PILOT BEARING OILING AFTER THESE SERIAL NUMBERS.		
WICK ASSY., CLUTCH PILOT BEARING		
A WICK ASSY. IS USED TO LUBRICATE UNSEALED BALL TYPE CLUTCH PILOT BEARING AND CONSISTS OF A HOLDER WHICH IS NOT SOLD SEPARATELY AND WICK IN 1.3030. THE LENGTHS SHOWN ARE FOR WICK HOLDER ONLY.		
5176721	** WICK ASSY. (LENGTH 1 1/2")	1
5155491	** WICK ASSY. (LENGTH 2 7/8")	1
5192501	## KIT, PILOT BEARING LUBRICATION	AR
= OBSOLETE.		
* THRU 2A-54289, 3A-51238, 4A-101720, 6A-109237, 8A-1627, 12A-6165, 24A-491. NO PROVISION IN CRANKSHAFT FOR PILOT BEARING OILING AFTER THESE SERIAL NUMBERS.		
# A KIT CONSISTS OF BAFFLE 5159331 IN 1.3010, WICK ASSY. IN 1.3020 AND WASHER 5175777 IN 1.3030.		
WICK, CRANKSHAFT OIL		
5155492	* WICK	1
5175777	* WASHER (FELT) (WITH WICK ASSY. 5176721)	6
* THRU 2A-54289, 3A-51238, 4A-101720, 6A-109237, 8A-1627, 12A-6165, 24A-491. NO PROVISION IN CRANKSHAFT FOR PILOT BEARING OILING AFTER THESE SERIAL NUMBERS.		
SLINGER, CRANKSHAFT OIL-FRONT		
5150174	SLINGER (1.3050)	1
SPACER, CRANKSHAFT FRONT OIL SEAL		
USE ONE (1) OF THE BELOW SPACERS AS REQUIRED.		
5151420	G SPACER, 2.5" I.D.X2.81" L.	1
G NOT REQUIRED WHEN VIBRATION DAMPER USED ON MODEL 12107.		
WASHER, CRANKSHAFT CAP RETAINER-FRONT		
5160380	\$ WASHER, 1 1/16"X1 3/4" (USE WITH 1 5/16" HEX.HD.BOLT)	1
23503239	\$ WASHER, 1 1/16"X1 3/4" (USE WITH 1 1/2" HEX.HD.BOLT)	1
5153623	\$ BOLT, 1"-14X2 1/4" (1 5/16" HEX. HD.)	1
23501143	\$ BOLT, 1"-14X2 3/4" (1 1/2" HEX. HD.)	1
5160266	BOLT, 1"-14X2 3/4" (1 5/16" HEX. HD.) (1.3290)	1
23502013	DECAL, BOLT TORQUE BS. - YELLOW (1.3290)	AR

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.3000	- CRANKSHAFT, OIL SEALS AND STABILIZERS	
8922884	DECAL, BOLT TORQUE .-ORANGE) (1.3290)	AR
	\$ USE ONLY WHEN PULLEY IS NOT USED.	
	CAP, CRANKSHAFT-FRONT	
5160302	\$ CAP (USED WITH 1 5/16" HEX. HEAD BOLT)	1
23503238	\$ CAP (USED WITH 1 1/2" HEX. HEAD BOLT)	1
	\$ USE ONLY WHEN PULLEY IS NOT USED.	
	SPACER, CRANKSHAFT REAR OIL SEAL	
5192496	& SPACER	AR
	& CAN BE USED ONLY WITH SINGLE LIP OIL SEAL.	
	SHELL, CRANKSHAFT MAIN BEARING	
	A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER BEARING SHELL.	
5192874	SHELL SET, STANDARD	AR
5192875	SHELL SET, .002" U.S.	AR
5192876	SHELL SET, .010" U.S.	AR
5192877	SHELL SET, .020" U.S.	AR
5192878	SHELL SET, .030" U.S.	AR
	WASHER, CRANKSHAFT MAIN BEARING THRUST	
5159353	WASHER, STD-6,8V53 ENG.	4
5160542	WASHER (.005" O.S.)	AR
5192111	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.)	4
	CAP, CRANKSHAFT MAIN BEARING	
5158674	CAP, MAIN BEARING (FINISHED) (1.3110)	1
5161697	CAP, MAIN BEARING (SEMI-FINISHED)	7
5149927	CAP, INTERMEDIATE (CAST IRON BLOCK) (FINISHED)	6
	EFF. WITH 271-6531.	
	NUT, CRANKSHAFT MAIN BEARING CAP STUD	
5150572	C NUT, 5/8"-18 SLT. MAIN BEARING (1.3130)	14
103385	C PIN, 1/8"X1 1/4" COTTER	14
	C USED WITH MAIN BEARING CAP STUD THRU 371-27666, 471-25709, 671-169996 ON TY PE 2, 3 AND 4.	
	BOLT, CRANKSHAFT MAIN BEARING CAP	
5152149	BOLT, 5/8"-11X4 3/4" MAIN BEARING CAP (1.3140)	14
103325	LOCKWASHER, 5/8"	14
	EFF. WITH 271-6531.	
	GEAR, CRANKSHAFT TIMING	
	DO NOT MIX NITRIDE HARDENED GEARS WITH NON-NITRIDE HARDENED GEARS ON THE SA ME GEAR TRAIN.	
	MORE THAN ONE GEAR MAY APPEAR IN A PARTS BOOK TYPE. ENGINE ROTATION DICTAT ES THE GEAR(S) REQUIRED.	
5113814	GEAR (R.H. HELIX) (RA-RB-RC-RD ENG.)	1
5113815	GEAR (L.H. HELIX) (LA-LB-LC-LD ENG.)	1
5150271	BOLT, CRANKSHAFT COVER	6
103321	LOCKWASHER, 3/8"	6
1.3000A	- CRANKSHAFT FRONT COVER	
	COVER, CRANKSHAFT FRONT	
23507131	COVER	1
8925438	BOLT, 3/8"-24X7/8" (12.9001)	3
9438123	BOLT, 1/2"-13X2 1/4" 12 PT. HD. (12.9005)	2
9439929	BOLT, 1/2"-13X3 3/4" 12 PT. HD. (12.9005)	2
103321	LOCKWASHER, 3/8"	3
	SEAL, CRANKSHAFT OIL-FRONT	
5115454	SEAL, OIL (SGL.-LIP, .50" WIDE)	1
	GASKET, CRANKSHAFT FRONT COVER	
5150181	GASKET	1
1.3000B	- VIBRATION DAMPER	

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.3000B - VIBRATION DAMPER		
DAMPER, VIBRATION		
8925437	REMANUFACTURED 8925437	AR
8925437	DAMPER ASSY.	1
HUB, VIBRATION DAMPER		
A HUB ASSY. INCLUDES DOWEL IN 1.3230.		
5143215	HUB & DOWEL ASSY.	1
5100792	PLATE, SCUFF	1
5156295	DOWEL, 7/16"X1"L.	2
9409047	BOLT, 7/16"-20X1" (12.9001)	6
CONE, VIBRATION DAMPER-FRONT		
5134917	CONE (.531"L.)	1
CONE, VIBRATION DAMPER-REAR		
23502705	CONE, 2.12" L.	1
5104471	SEAL, "O" RING	1
1.3000C - CRANKSHAFT PULLEY		
PULLEY, CRANKSHAFT		
5146430	PULLEY (7.50" DIA., 3 GROOVES) (ITEM 4)	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
23501142	BOLT, 1"-14X2 1/4" (1 1/2" HEX. HD.)	1
1.3000D - CRANKSHAFT PULLEY BELT		
BELT, CRANKSHAFT PULLEY DRIVE		
SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN. H. C. INDICATES HIGH CONDU		
CTIVITY BELTS.		
5136268	BELT SET (2 BELTS; 61"L., .500"W.)	1
1.4000A - FLYWHEEL		
FLYWHEEL ASSY.		
INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY. "NC" IS NON-CHAMFE		
RED.		
23514446	FLYWHEEL ASM SAE 1 RH CHAMF 118T	1
5120753	PLATE, SCUFF (1.4001)	1
5103249	BOLT, 9/16"-18X2.50"	6
GEAR, FLYWHEEL RING		
5166664	GEAR, SAE #1, 118 TEETH, RH CHAMFER	1
1.5000A - FLYWHEEL, HOUSING		
HOUSING ASSY., FLYWHEEL		
NOTE: WHEN REPLACEMENT OF A FLYWHEEL HOUSING IS NECESSARY, LONGER BOLTS FOR		
THE TOP POSITION HOLES MAY BE REQUIRED.		
8925283	HOUSING (SAE #1)	1
5146646	PLUG, 1 1/4" PIPE SQ. SOC. (12.9550)	1
186314	BOLT, 3/8"-24X4 1/4"	4
190770	BOLT, 1/2"-13X3 1/4" (12.9001)	6
5164294	SPACER, 7/8"X13/32"X1/8" (7.1581)	2
103321	LOCKWASHER, 3/8"	8
103323	LOCKWASHER, 1/2"	6
8927579	BOLT, 3/8"-16X.88" (W/SEAL PATCH) (12.9001)	2
8927581	BOLT, 3/8"-16X1.135" (12.9001)	6
103026	NUT, 3/8"-24	4
23511574	PLUG, 1" PIPE SQ. SOC. SCOTCHGRIP	2
23515267	BOLT 3/8"-24 X 3.750",HEXFLGHD	4
SEAL, CRANKSHAFT OIL-REAR		
8927746	SEAL, OIL (DBL. LIP) (.58" WIDE) (R.H.) (1.5004)	1
OTATING ENGINES) (TEFLON)		
8927748	SEAL, OIL (O.S. DBL. LIP) (.58" WIDE)	AR
TATING ENGINES) (TEFLON) (USE WITH 23507225 SLEEVE		

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.5000A - FLYWHEEL, HOUSING		
GASKET, FLYWHEEL HOUSING 8928967	GASKET	1
SLEEVE, CRANKSHAFT REAR OIL SEAL 23507225	SLEEVE, O.S. OIL SEAL (1.24" LONG)	AR
COVER, FLYWHEEL HOUSING LARGE HOLE 5122281	COVER (1.5030)	2
100158	BOLT, 1/2"-13X1"	8
179857	BOLT, 7/16"-14X7/8"	2
5125108	WASHER, 7/16"X3/4" (2.4030)	2
103323	LOCKWASHER, 1/2"	8
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)	1
186317	BOLT, 3/8"-24X5"	4
5107677	COVER, F/W HSG SMALL HOLE (1.1020)	1
8927578	BOLT, 3/8"-16X.755" (12.9001)	2
186658	BOLT, 3/8"-24X5 1/2"	4
103321	LOCKWASHER, 3/8"	4
5138619	WASHER, 25/64"X3/4"X.083" (4.1512)	4
103026	NUT, 3/8"-24	4
GASKET, FLYWHEEL HOUSING SMALL HOLE COVER 5104507	GASKET (1.5060)	1
1.6000 - CONNECTING ROD AND PISTON		
CONNECTING ROD ASSY.		
QUANTITIES SHOWN ARE PER CYLINDER. [A ROD ASSY. INCLUDES CAP, WHICH IS NOT SERVICED SEPARATELY PLUS ITEMS IN 1.6001, 1.6010, 1.6020 AND 1.6040. OR A CROSSHEAD ROD ASSY. INCLUDES ONLY ITEMS IN 1.6001.		
5132383	BOLT, 7/16"-20X3.52"	2
5117629	& NUT, 7/16"-20	2
23509705	ROD ASSY., CROSSHEAD Y-DRILL	1
& EFF. WITH 2A-52651, 3A-48539, 4A-96993, 6A-103126, 8A-1620, 12A-6089, 24A-486.		
SHELL, CONNECTING ROD BEARING		
A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER BEARING SHELL.		
23511129	SHELL SET, STANDARD	1
23511131	SHELL SET, .002" U.S.	AR
23511133	SHELL SET, .010" U.S.	AR
23511135	SHELL SET, .020" U.S.	AR
23511137	SHELL SET, .030" U.S.	AR
RING, CROSSHEAD PISTON SEAL		
. CURRENT STYLE CROSSHEAD CROWNS, SKIRT AND SEAL CANNOT BE USED WITH FORMER STYLE COMPONENTS WITHIN A CYLINDER.		
23501676	RING SEAL (CURRENT STYLE)	1
PISTON ASSY.		
. TRUNK STYLE PISTON KIT INCLUDES PISTON ASSY. AND RETAINERS.		
. CROSSHEAD STYLE PISTON KIT INCLUDES SEAL, CROWN, SKIRT, PIN, BEARING AND RETAINERS.		
. CROSSHEAD STYLE DOME KIT INCLUDES SEAL, CROWN, PIN, BEARING AND RETAINERS		
. CURRENT STYLE CROSSHEAD CROWNS, SKIRT AND SEAL CANNOT BE USED WITH FORMER STYLE COMPONENTS WITHIN A CYLINDER.		
23516862	PISTON KIT, CR/HD 17:1	1
23516310	DOME KIT, CR/HD KEYSTONE 17:1	1
23513069	SKIRT, CR/HD PISTON	1
RING SET, PISTON		
A RING SET CONSISTS OF SUFFICIENT RINGS FOR ONE (1) CYLINDER.		
23517441	RING SET, PISTON LOW SOOT	1
RING, PISTON COMPRESSION		

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.6000 - CONNECTING ROD AND PISTON		
23509270	RING, FIRE NO GROOVE KEYSTONE	1
8926351	RING (UPPER & LOWER COMPRESSION)	2
RING, PISTON OIL CONTROL		
QUANTITIES SHOWN ARE PER CYLINDER. AN OIL CONTROL RING SET CONSISTS OF SCRAPERS AND EXPANDERS FOR ONE PISTON.		
23517442	RING SET, OIL CONTROL 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) (SHORT SLOT, IDENTIFICATION-BLUE PAINT)	1
RETAINER, PISTON PIN		
5180250	RETAINER	2
LINER, CYLINDER		
23502021	LINER, 1.05" PORT #2	AR
23502022	LINER, 1.05" PORT #3	1
23504936	LINER, 1.05" PORT #4	AR
5193733	LINER, 1.05" PORT .010" O.S.	AR
5193734	LINER, 1.05" PORT .020" O.S.	AR
5193735	LINER, 1.05" PORT .030" O.S.	AR
CYLINDER KIT		
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.		
23518731	CYLINDER KIT, CR/HD 17:1 1.05" PORT #2	AR
23518732	CYLINDER KIT, CR/HD 17:1 1.05" PORT #3	AR
23518733	CYLINDER KIT, CR/HD 17:1 1.05" PORT #4	AR
23518734	CYLINDER KIT, CR/HD 17:1 1.05" PORT .010" O.S.	AR
23518735	CYLINDER KIT, CR/HD 17:1 1.05" PORT .020" O.S.	AR
SHIM, CYLINDER LINER		
5199569	G SHIM (.002")	AR
G USED WITH CYLINDER LINER INSERTS IN HIGH BLOCK ENGINES EFFECTIVE WITH CHANGE POINTS SHOWN IN 1.6187.		
INSERT, CYLINDER LINER		
INSERT IS USED WITH HIGH BLOCK EFFECTIVE WITH 3A-8330, 4A-19529, 6A-16283, 8A-183, 12A-1345, 24A-140.		
5184484	INSERT, .1795" THRU .1800" THK. FOR STD. THRU .005" O.S. LINER	1
5194073	INSERT, .1760" THRU .1755" THK. FOR STD. THRU .005" O.S. LINER	AR
5194074	INSERT, .1715" THRU .1720" THK. FOR STD. THRU .005" O.S. LINER	AR
5193316	INSERT, .1795" THRU .1800" THK. FOR .010, .020, .030" O.S. LINER	AR
5194163	INSERT, .1755" THRU .1760" THK. FOR .010", .020", .030" O.S. LINER	AR
5194164	INSERT, .1715" THRU .1720" THK. FOR .010", .020", .030" O.S. LINER	AR
5148399	INSERT, .1810" THRU .1815" THK. FOR STD. THRU .005" O.S. LINER	AR
5148440	INSERT, .1780 THRU .1785" THK. FOR STD. THRU .005" O.S. LINER	AR
5199871	INSERT, .1810" THRU .1815" THK. FOR .010, .020, .030" O.S. LINER	AR
5199872	INSERT, .1780" THRU .1785" THK. FOR .010", .020", .030" O.S. LINER	AR

1.7000 - CAMSHAFT AND GEAR TRAIN

CAMSHAFT ASSY.

A CAMSHAFT ASSY. INCLUDES PLUGS IN 1.7001. OR A CAMSHAFT KIT INCLUDES CAMSHAFT ASSY. PLUS 2-8926247 KEYS, 2-8925132 KEYS AND 18SP186.

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.7000	- CAMSHAFT AND GEAR TRAIN	
R5149393	REMANUFACTURED 5149393	AR
5149393	CAMSHAFT KIT, 6-71 RA-RB-RC-RD ENG. (STAMPED 51026 65) (6 CYL.)	1
5151277	PLUG, DRIVE	2
BEARING, CAMSHAFT END		
R5111422	REMANUFACTURED 5111422	AR
5111422	@ BEARING, REAR (STD.)	4
R5194858	REMANUFACTURED 5194858	AR
R5194859	REMANUFACTURED 5194859	AR
5194858	\$ BEARING, REAR (.010" U.S.I.D.)	AR
5194859	\$ BEARING, REAR (.020" U.S.I.D.)	AR
5197236	@ BEARING, REAR (.010" O.S.O.D., STD. I.D.)	AR
5197237	\$ BEARING, REAR (.010" O.S.O.D., .010" U.S.I.D.)	AR
186622	BOLT, 3/8"-16 X 1.25"	12
5197238	\$ BEARING, REAR (.010" O.S.O.D., .020" U.S.I.D.)	AR
103321	LOCKWASHER, 3/8"	12
@ INCLUDES 2-5111423 BUSHINGS PER BEARING.		
\$ INCLUDES 2-5194825 BUSHINGS PER BEARING.		
BUSHING, CAM AND BALANCE SHAFT END		
5194825	BUSHING (.020" U.S., UNFINISHED)	8
5111423	BUSHING (STD.)	8
EFF. WITH 3A-27384, 4A-59280, 6A-57745, 8A-1446, 12A-4522, 24A-382.		
WASHER, CAM AND BALANCE SHAFT END BEARING THRUST		
5111424	WASHER (STD.)	4
5194826	WASHER (.005" O.S.)	AR
5194827	WASHER (.010" O.S.)	AR
BEARING, CAMSHAFT INTERMEDIATE		
A BEARING SET CONSISTS OF ONE (1) UPPER AND ONE (1) LOWER BEARING.		
5196022	BEARING SET, STANDARD	5
5196023	BEARING SET, .010" U.S. ON I.D.	AR
5196025	BEARING SET, .010" O.S. ON O.D.	AR
5196024	BEARING SET, .020" U.S. ON I.D.	AR
RING, CAMSHAFT AND ACCESSORY SHAFT INTERMEDIATE BEARING LOCK		
5115572	RING	10
5123383	BOLT, 1/4"-28X.715"	5
SHAFT, BALANCE		
5158673	SHAFT, 6-71	1
WEIGHT, FRONT BALANCE		
A 6-71 WEIGHT ASSY. INCLUDES ITEMS IN 1.7150 THRU 1.7180.		
5114031	D WEIGHT, 6-71	2
8926247	KEY, 1/4"X3/4" WOODRUFF (12.9350)	2
5177769	LOCKWASHER, 1 1/8"	2
5150087	NUT, 1 1/8"-18 (1.7140)	2
D EFF. WITH 6A-75447.		
WEIGHT, REAR BALANCE		
5121970	P WEIGHT, 6-71	2
181370	P BOLT, 3/8"-24X1 1/4"	4
P EFF. WITH 6A-101509, 12A-6085, 24A-486.		
GEAR, CAMSHAFT AND BALANCE SHAFT		
DO NOT MIX NITRIDE HARDENED GEARS WITH NON-NITRIDE HARDENED GEARS ON THE SAME GEAR TRAIN.		
5121815	GEAR (R.H. HELIX) (RIGHT BANK) (REAR) , (BALANCER LB-LC-RB-RC ENGINE)	1
5121816	GEAR (L.H. HELIX) (LEFT BANK) (REAR) , (BALANCER LA-LD-RA-RD ENGINE)	1
8926247	KEY, 1/4"X3/4" WOODRUFF (12.9350)	2
5150087	R NUT, 1 1/8"-18 (1.7140)	2
R EFF. WITH 371-29856, 471-28611, 671-174320.		
RETAINER, CAM AND BALANCE SHAFT GEAR NUT		
5172734	RETAINER	2
103321	LOCKWASHER, 3/8"	8
186627	T BOLT, 3/8"-24X1"	8
T EFF. WITH 3A-045, 4A-007, 6A-021, 8A-003, 12A-007;FOUR REQUIRED WITH ACCESS		

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.7000	- CAMSHAFT AND GEAR TRAIN ORY DRIVE.	
GEAR ASSY., IDLER		
	DO NOT MIX NITRIDE HARDENED GEARS WITH NON-NITRIDE HARDENED GEARS ON THE SAME GEAR TRAIN.	
	INCLUDES GEAR IN 1.7222, BEARING IN 1.7225, RETAINER IN 1.7227, HUB ASSY. IN 1.7250 AND FLYWHEEL HOUSING ATTACHING PARTS.	
5199383	GEAR ASSY. (L.H. HELIX)	1
GEAR, IDLER		
	DO NOT MIX NITRIDE HARDENED GEARS WITH NON-NITRIDE HARDENED GEARS ON THE SAME GEAR TRAIN.	
5113817	GEAR (L.H. HELIX)	1
BEARING, IDLER GEAR		
7451948	BEARING	1
RETAINER, IDLER GEAR BEARING		
5176998	RETAINER	1
5103534	BOLT, 5/16"-24X1/2" (VIBRA-TITE COATED)	6
HUB, IDLER GEAR		
5130135	W HUB ASSY.	1
5151444	DOWEL (1.7250)	1
454992	Y BOLT, 1/2"-13X2 1/2" (12.9001)	1
5167714	WASHER, 17/32"X7/8"X3/32" (1.7250)	1
W EFF. WITH 3A-3024, 4A-3129, 6A-4548, 8A-072, 12A-462, 24A-099 ON RA-RB-RC-RD ENGINES AND 3A-3177, 4A-3301, 6A-4841, 8A-072, 12A-462, 24A-099 ON LA-LB-LC-LD ENGINES.		
Y EFF. WITH 3A-48440, 4A-96718, 6A-101509, 8A-1617, 12A-6085, 24A-486.		
SPACER, IDLER GEAR HOLE		
	A SPACER ASSY. INCLUDES DOWEL IN 1.7250.	
5101150	B SPACER	1
B EFF. WITH 3A-51064, 4A-101903, 6A-108813, 8A-1628, 12A-6163, 24A-491.		
1.7000A	- BALANCE WEIGHT COVER	
COVER, BALANCE WEIGHT		
5106455	* COVER	1
5164294	SPACER, 7/8"X13/32"X1/8" (7.1581)	2
5143644	PLUG, 5/16"-18	2
9421754	PLUG, 1 1/4" CUP (12.9320)	1
179846	BOLT, 3/8"-16X1 7/8"	2
181374	BOLT, 3/8"-24X1 1/2"	1
191249	BOLT, 3/8"-16X3 3/4" (12.9001)	2
181385	BOLT, 3/8"-24X3"	8
103341	WASHER, 3/8"	3
186309	BOLT, 3/8"-24X3 1/4"	2
103321	LOCKWASHER, 3/8"	14
* HAS PROVISION FOR MOUNTING OVERSPEED TRIP OR TACHOMETER DRIVE.		
GASKET, BALANCE WEIGHT COVER		
5121753	GASKET	1
1.8000	- VALVE AND INJECTOR OPERATING MECHANISM	
ARM ASSY., EXHAUST VALVE ROCKER		
	AN ARM ASSY. INCLUDES ITEMS IN 1.8100, 1.8120, 1.8130, 1.8140 AND 1.8150.	
R5148472	REMANUFACTURED 5148472	AR
5148472	ARM ASSY. (LEFT)	6
R5148475	REMANUFACTURED 5148475	AR
5148475	ARM ASSY. (RIGHT)	6
ARM ASSY., INJECTOR ROCKER		
	AN ARM ASSY. INCLUDES ITEMS IN 1.8110 THRU 1.8150.	
R8923543	REMANUFACTURED 8923543	AR
8923543	ARM ASSY. (8923554)	6
BUSHING, EXHAUST VALVE ROCKER ARM-LARGE		
23517217	BUSHING VLV RKR ARM LRG	12

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.8000	- VALVE AND INJECTOR OPERATING MECHANISM	
BUSHING INJECTOR ROCKER ARM-LARGE		
5150318	BUSHING	6
8924355	BUSHING, .0015" U.S. I.D.	AR
BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM-SMALL		
5150311	BUSHING	18
8924354	BUSHING, .0015" U.S.I.D.	AR
CLEVIS, INJECTOR AND EXHAUST VALVE ROCKER ARM		
5150312	CLEVIS	18
BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS		
5123700	BUSHING, .44"I.D.X.56"O.D.	18
PIN, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS		
5150314	PIN (PUSH ROD END)	18
SHAFT ASSY., ROCKER		
23500714	SHAFT ASSY. (INCLUDES PLUG)	6
5151272	PLUG, 11/32" SPECIAL (1.8160)	6
BRACKET, ROCKER SHAFT		
5103903	BRACKET	12
5150325	BOLT, 1/2"-13X4 1/4"	12
ROD, PUSH		
5128640	ROD	18
5151601	NUT, 5/16"-24 LOCK	18
SPRING, PUSH ROD		
5186858	SPRING (2 5/8" FREE LENGTH, .177" WIRE DIA.11 COIL S, R.H. HELIX)	18
SEAT, PUSH ROD SPRING-UPPER		
5150302	SEAT (VALVE)	18
SEAT, PUSH ROD SPRING-LOWER		
5123250	SEAT	18
RETAINER, PUSH ROD		
5150303	RETAINER (SNAP RING)	18
FOLLOWER ASSY., CAM		
R8924439	REMANUFACTURED 8924439	AR
8924439	FOLLOWER ASSY. (INCLUDES ROLLER SET)	18
ROLLER SET, CAM FOLLOWER		
A SET INCLUDES ROLLER WITH BUSHING AND PIN.		
8923814	ROLLER SET	18
GUIDE, CAM FOLLOWER		
5106413	GUIDE	6
443603	BOLT, 1/4"-20X3/4" (12.9001)	12
103319	LOCKWASHER, 1/4"	12
VALVE, EXHAUST		
PLAIN VALVES ARE MARKED "N10" ON THE STEM NEAR THE LOCK GROOVE. JET BLADE VALVES ARE MARKED "N155" ON THE STEM AND HAVE A DOT IN THE CUP ON THE VALVE HEAD AND MAY BE USED OPTIONALLY WITH THE PLAIN VALVE. THE ROTATING VALVE IS STANDARD EQUIPMENT ON MULTIPLE ENGINE INDUSTRIAL MODELS EFFECTIVE WITH 8A-093, 12A-604 AND 24A-117. EARLY ENGINES USED 45 DEG. VALVES/INSERTS. CURRENT ENGINES USE 30 DEG. VALVES/INSERTS.		
23500501	VALVE KIT (FOUR VALVE) (NON-TURBO & TURBO) (STAMPED "U")	24
GUIDE, EXHAUST VALVE		
INSTALLER (PKG.) INCLUDES 100 PIECES.		
5129919	GUIDE, EXHAUST VALVE (1.8320)	24
8921209	SEAL ASSY.	24
5199913	INSTALLER, EXHAUST VALVE SEAL (2 VALVE)	AR

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
1.8000	- VALVE AND INJECTOR OPERATING MECHANISM	
INSERT, EXHAUST VALVE		
EARLY ENGINES USED 45 DEG. VALVES AND SEATS. CURRENT ENGINES USED 30 DEG. V		
ALVE AND SEATS.		
5101101	INSERT, VALVE (1.8330)	24
5197167	INSERT (.010" O.S.) (4 VALVE CYLINDER HEAD)	AR
SPRING, EXHAUST VALVE		
5147347	SPRING (1.97" FREE L. 8.8 COILS, R.H. HELIX, .148"	24
BRIDGE, EXHAUST VALVE		
5117565	BRIDGE, EXHAUST VALVE (1.8343)	12
5129101	SCREW, 5/16"-24X1" (ADJUSTING)	12
5151601	NUT, 5/16"-24 LOCK	12
GUIDE, EXHAUST VALVE BRIDGE		
5117564	GUIDE, EXHAUST VALVE BRIDGE (1.8345)	12
© EFF. WITH 4A-85187, 6A-94751.		
CAP, EXHAUST VALVE SPRING		
5117563	CAP	12
© EFF. WITH 4A-85187, 6A-94751.		
SEAT, EXHAUST VALVE SPRING		
5117562	WASHER, 1/2"X15/16"X1/16" (1.8360)	24
© EFF. WITH 4A-85187, 6A-94751.		
LOCK, EXHAUST VALVE SPRING		
5111337	LOCK (HALVES)	48
1.8000A	- ROCKER COVER	
COVER ASSY., ROCKER		
5103798	COVER, CAST 12V	1
INSTALLATION KIT, CAST ROCKER COVER		
A KIT INCLUDES ITEMS IN 1.8455, 1.8460, 1.8461 AND 1.8502.		
5149512	KIT, 12V, ONE BANK	AR
GASKET, ROCKER COVER		
5104019	GASKET 12V, 24V (CAST COVER)	1
BOLT, ROCKER COVER		
5104015	BOLT, 3/8"-16X6.57"	4
5104514	WASHER, 3/8"	4
ISOLATOR, ROCKER COVER		
5104515	BOLT ISOLATOR	4
RETAINER, ROCKER COVER		
5106858	NAME PLATE RETAINER	2
145382	= SCREW, #8X3/8" RD. HD. DRIVE	4
= OBSOLETE.		

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
2.1000A - FUEL INJECTOR		
INJECTOR ASSY.		
QUANTITIES SHOWN ARE PER CYLINDER. AN INJECTOR ASSY. INCLUDES ITEMS IN 2.10		
20 THRU 2.1265.		
5228795	REMANUFACTURED 5228795	AR
5228795	INJECTOR ASSY. (M95)	1
SERVICE KIT, INJECTOR		
A KIT CONSISTS OF (1) SEAL RING, (2) FILTER CAP GASKETS, (1) FILTER ELEMENT		
AND (2) SHIPPING CAPS.		
5229649	SERVICE KIT (WIRE MESH FILTER) (MUI)	AR
CONTAINER, INJECTOR SHIPPING		
5193171	CONTAINER (12.8050)	AR
BODY ASSY., INJECTOR		
5228583	BODY ASSY.	1
5226416	DOWEL	1
5226912	PLUG, BODY	2
5229191	TAG, NUMBER (BLANK)	1
NUT, INJECTOR VALVE		
5228601	NUT	1
RING, INJECTOR SEAL		
5234281	RING	1
DEFLECTOR, INJECTOR SPILL		
5228109	DEFLECTOR	1
FOLLOWER, INJECTOR		
5228104	FOLLOWER	1
SPRING, INJECTOR PLUNGER		
5228739	SPRING	1
PIN, INJECTOR STOP		
5228608	PIN	2
ELEMENT, INJECTOR FILTER		
5228587	ELEMENT (INLET)	1
CAP, INJECTOR FILTER		
5228588	CAP	2
GASKET, INJECTOR FILTER CAP		
5226186	GASKET	2
CAP, INJECTOR SHIPPING		
5226414	CAP	AR
PLUNGER AND BUSHING ASSY., INJECTOR		
PLUNGERS AND BUSHINGS ARE NOT SERVICED SEPARATELY. AN ASSY. INCLUDES PIN IN		
2.1165.		
5228804	PLUNGER AND BUSHING ASSY.	1
PIN, BUSHING GUIDE		
5226393	PIN	1
RACK ASSY., INJECTOR		
5226719	RACK	1
GEAR, INJECTOR		
5228802	GEAR	1
RETAINER, INJECTOR GEAR		
5228586	RETAINER	1
VALVE, INJECTOR CHECK		
5228694	VALVE	1
CAGE, INJECTOR CHECK VALVE		

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
2.1000A - FUEL INJECTOR		
5228696	CAGE	1
TIP ASSY., INJECTOR SPRAY		
COMPONENTS OF TIP ASSY. ARE NOT SERVICED SEPARATELY.		
5229256	TIP ASSY.	1
VALVE KIT, INJECTOR		
INCLUDES ITEMS IN 2.1240 AND 2.1250.		
5228769	VALVE KIT	AR
SPRING, INJECTOR VALVE		
5228596	SPRING	1
SEAT, INJECTOR VALVE SPRING		
5228766	SEAT	1
CAGE, INJECTOR VALVE SPRING		
5228594	CAGE	1
CLAMP, INJECTOR		
5121259	CLAMP	1
5150250	WASHER, INJECTOR CLAMP	1
STUD, INJECTOR CLAMP		
179847	BOLT, 3/8"-16X1/2"	1
2.2000 - FUEL PUMP		
PUMP ASSY., FUEL		
SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW. A FUEL PUMP KIT INCLUDES A 3/8" INLET PUMP, GASKET IN 2.2007 AND REDUCING BUSHING IN 2.2030.		
5146340 #	PUMP ASSY., 4,6,8V53 (R.H.) (3/8" INLET) (5199561)	1
BODY, FUEL PUMP		
141195	PIN, 1/4"X5/8" DOWEL	2
5113776	BODY, 3,4,6,8V53	1
COVER, FUEL PUMP		
3719219	SCREW AND WASHER ASSY. 1/4"-20 X 3/4"	8
5134628	COVER, 3,4,6,8V53	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
5174975	GEAR	1
SHAFT, FUEL PUMP DRIVEN		
A SHAFT ASSY. INCLUDES GEAR NOT SERVICED SEPARATELY.		
5181747	SHAFT ASSY.	1
SHAFT, FUEL PUMP DRIVE		
A SHAFT ASSY. INCLUDES SHAFT IN 2.2093 AND ITEMS IN 2.2087.		
5178700	SHAFT	1
5181746	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
R5199561	REMANUFACTURED 5199561	AR
5199561	PUMP KIT, FUEL 3, 4, 6V53	1
GASKET, FUEL PUMP TO ENGINE		
5150193	GASKET (FUEL PUMP TO DRIVE ASSY.) (5.1010)	1
8924380	PLUG, 1/8"-27 PIPE (12.9550)	2
BODY, FUEL PUMP		
141195	PIN, 1/4"X5/8" DOWEL	2
5113776	BODY, 3,4,6,8V53	1
COVER, FUEL PUMP		
3719219	SCREW AND WASHER ASSY. 1/4"-20 X 3/4"	8
5134628	COVER, 3,4,6,8V53	1
5198558	BUSHING, 3/8"X1/4" RED. (FACE)	1

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
2.2000	- FUEL PUMP	
SEAL, FUEL PUMP OIL		
23512243	SEAL, OIL SGL LIP	2
GEAR, FUEL PUMP DRIVE		
147481	BALL, 1/8" DIA. STEEL	1
5174975	GEAR	1
SHAFT, FUEL PUMP DRIVEN		
A SHAFT ASSY. INCLUDES GEAR NOT SERVICED SEPARATELY.		
5181747	SHAFT ASSY.	1
SHAFT, FUEL PUMP DRIVE		
A SHAFT ASSY. INCLUDES SHAFT IN 2.2093 AND ITEMS IN 2.2087.		
5178700	SHAFT	1
5181746	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
8924749	PLUG, 1/8"-27 PIPE SQ. SOC. (12.9550)	3
5131685	BOLT, 5/16"-18X3/4" (5.1031)	3
# USE WHEN FUEL TANK IS MOUNTED HIGHER THAN FUEL PUMP. NOT SERVICED, COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT USE 5199560 PUMP KIT FOR A OR B ENGINES AND 5199561 PUMP KIT FOR C OR D ENGINES.		
OVERHAUL KIT, FUEL PUMP		
5195078	\$ OVERHAUL KIT (STD. CAP.)	AR
\$ INCLUDES PLUGS IN 2.2001 PLUS ITEMS IN 2.2007, 2.2070, 2.2089, 2.2093, 2.2130, 2.2160 AND 2.2180.		
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		
SEE ASSEMBLY BREAKDOWN AS SHOWN.		
6436075	STRAINER ASSY. (T-74)	1
ELEMENT, FUEL STRAINER		
INCLUDES GASKETS IN 2.3020 AND 2.3090.		
23519151	ELEMENT FUEL STNR	1
SHELL, FUEL STRAINER		
5575893	SHELL ASSY. (2.3380)	1
8924140	DRAINCOCK, 1/4" (12.9510)	1
COVER, FUEL STRAINER		
6436746	COVER (IDENTIFIED WITH CAST P)	1
GASKET, FUEL STRAINER COVER		
5574161	GASKET (2.3400)	1
PLUG, FUEL STRAINER COVER		
8924517	PLUG, 3/8"-18 SQ. SOC. VIBRA SEAL (12.9550)	2
SCREW, FUEL STRAINER COVER		
6435793	BOLT (WITH COVER MARKED P)	1
GASKET, FUEL STRAINER COVER SCREW		
6435794	GASKET (WITH COVER MARKED)	1
23518481	X FILTER, FUEL PRIMARY	1
5148023	COVER	1
6436060	= DECAL FUEL STRAINER T-74	1
6439603	X DECAL	1
8924517	PLUG, 3/8"-18 SQ. SOC. VIBRA SEAL (12.9550)	2
X WITH 6A-26158, TYPE 579.		
= OBSOLETE.		
FILTER ASSY., FUEL		
SEE ASSEMBLY BREAKDOWN AS SHOWN.		
5574533	X FILTER ASSY. (T-65)	1
ELEMENT, FUEL FILTER		
INCLUDES GASKET IN 2.3400.		
23519152	FILTER, FUEL SECONDARY CARTRIDGE	1

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97
06001500

PART #	NAME AND DESCRIPTION	QUANTITY
2.3000A - FUEL FILTER AND STRAINER		
SEAT, FUEL FILTER ELEMENT		
5574120	RING, RETAINER (2.3322)	1
5574123	SEAT	1
5574126	SEAL, STRAINER ELEMENT SEAT (2.3322)	1
SPRING, FUEL FILTER ELEMENT		
5574122	SEAT, SPRING RETAINER (2.3370)	1
5574124	SPRING, RETAINER (2.3370)	1
SHELL, FUEL FILTER		
5575169	SHELL ASSY. (INCLUDES ITEMS IN 2.3322 AND 2.3370)	1
COVER, FUEL FILTER		
6436254	COVER	1
GASKET, FUEL FILTER COVER SHELL		
5574161	GASKET (2.3400)	1
SCREW, FUEL FILTER COVER		
5574118	NUT (SCREW)	1
GASKET, FUEL FILTER COVER SCREW		
1503536	GASKET (2.3130)	1
PLUG, FUEL FILTER COVER		
5121182	PLUG, 1/4" PIPE (2.4015)	2
DRAINCOCK, FUEL FILTER		
8924140	DRAINCOCK, 1/4" (12.9510)	1
23518482	R FILTER, FUEL SECONDARY	1
5148171	R COVER	1
6439604	R DECAL, FUEL FILTER (SPIN-ON)	1
5574516	= DECAL (2.3001)	1
5121182	PLUG, 1/4" PIPE (2.4015)	2
181370	W BOLT, 3/8"-24X1 1/4"	2
103321	LOCKWASHER, 3/8"	2
103026	NUT, 3/8"-24	2
X THRU 6A-267157, TYPE 579.		
R EFFECTIVE WITH 6A-267158, TYPE 579.		
= OBSOLETE.		
W EFFECTIVE WITH 4A-77065, 6A-83044, TYPE 105.		
BRACKET, FUEL FILTER MOUNTING		
5145812	BRACKET	1
179839	BOLT, 3/8"-16 X 1"	2
103321	LOCKWASHER, 3/8"	2
2.4000 - FUEL MANIFOLD AND/OR CONNECTIONS		
PIPE, FUEL		
23511850	TUBE ASSY., SHORT	6
23511851	TUBE ASSY. LONG	6
5127276	& PIPE ASSY. (SHORT) (2.4020)	AR
5127275	& PIPE ASSY. (LONG) (2.4020)	AR
& MUST BE USED ADJACENT TO LOAD LIMIT SCREW, MAY BE USED THROUGHOUT.		
CONNECTOR, FUEL PIPE		
5117369	* CONNECTOR	12
* EFFECTIVE WITH 3A-37644, 4A-77065, 6A-84033, 8A-1506, 12A-5514 AND 24A-400 ON 2 VALVE CYLINDER HEADS AND EFFECTIVE WITH 4A-78271, 6A-81276, 12A-5416 O N 4 VALVE CYLINDER HEADS.		
WASHER, FUEL PIPE CONNECTOR		
5125108	* WASHER, 7/16"X3/4" (2.4030)	12
* EFFECTIVE WITH 3A-37644, 4A-77065, 6A-84033, 8A-1506, 12A-5514 AND 24A-400 ON 2 VALVE CYLINDER HEADS AND EFFECTIVE WITH 4A-78271, 6A-81276, 12A-5416 O N 4 VALVE CYLINDER HEADS.		
2.5000A - FUEL LINES AND FUEL COOLER		
TUBE, FUEL PUMP TO FILTER		
5142005	HOSE ASSY. (#6X26 1/2" L.)	1
193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	1
8924171	* CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1
* THRU 2A-14759.		
CLIP, FUEL PUMP TO FILTER HOSE		
2488022	CLIP, 3/8" BOLT (12.8554)	1

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
2.5000A - FUEL LINES AND FUEL COOLER		
TUBE, FILTER TO CYLINDER HEAD		
5139671	HOSE ASSY., #6X10.50" L.	1
193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	1
8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1
TUBE, FUEL DRAIN		
5123061	TUBE ASSY.	1
8924182	ELBOW, 5/16"-90 DEG. TUBE; 1/4" PIPE (.080" REST.) (W/SEALANT) (12.4001)	1
CLIP, FUEL DRAIN		
3290459	CLIP, 5/16" TUBE 3/8" BOLT (2.5220)	1
180120	BOLT, 3/8"-16X3/4"	1
103321	LOCKWASHER, 3/8"	1
2.6000B - ELECTRIC GOVERNOR		
BRACKET, GOVERNOR MOUNTING		
5112157	PLATE, GOV. DRIVE CVR	1
5150246	GASKET	1
8923426	BRACKET	1
138201	SCREW, 1/4"-20X3/4" SKT. HD.	2
5118219	BOLT ASSY., (W/SEAL WASHER) (2.2001)	5
8922542	BOLT, 5/16"-18X1 1/4" (W/SEALANT) (12.9001)	1
8924380	PLUG, 1/8"-27 PIPE (12.9550)	1
103319	LOCKWASHER, 1/4"	2
120393	WASHER, 5/16"	4
ACTUATOR ASSY., GOVERNOR.		
THE COMPLETE ASSY. IS SERVICED BY DETROIT DIESEL. FOR COMPONENT PARTS CONTACT BARBER-COLMAN CO. AND FURNISH THEIR PART NUMBER SHOWN IN PARENTHESES.		
23502462	ACTUATOR ASSY., GOVERNOR (DYNC-11121)	1
138203	SCREW, 1/4"-20X1 1/4" SOC.	4
103319	LOCKWASHER, 1/4"	4
120393	WASHER, 5/16"	4
120375	NUT, 1/4"-20	4
LEVER ASSY., ACTUATOR.		
8923427	LEVER ASSY.	1
454151	BOLT, 5/16"-24X1 1/2" (12.9001)	1
106261	WASHER, 5/16"X3/4"	1
9415989	NUT HEX 5/16-24 X 1/2	1
ROD ASSY., ACTUATOR CONTROL.		
8923424	ROD ASSY., ACTUATOR CONTROL	1
SPACER, LINKAGE		
8928927	SPACER	1
BOOT, ACTUATOR CONTROL LINK.		
5121385	BOOT (2.7834)	1
5123812	GASKET (1.2060)	1
5126098	ADAPTOR (2.7834)	1
BRACKET, ACTUATOR MOUNTING		
8923430	BRACKET	1
103321	LOCKWASHER, 3/8"	2
103026	NUT, 3/8"-24	2
186310	BOLT, 3/8"-24X3 1/2"	2
COVER, GOVERNOR HOLE.		
25C050FB	BOLT 1-4 X20 X .50" FLGHD	6
5150268	COVER (PLAIN)	3
GASKET, GOVERNOR HOLE COVER.		
5123812	GASKET (1.2060)	3
PICKUP ASSY., MAGNETIC.		
8926832	MAGNETIC PICKUP ASSY.	1

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
2.6000B - ELECTRIC GOVERNOR		
TUBE, BLOWER OIL SUPPLY		
8926148	TUBE ASSY. (14.1" DEV. L)	1
8925128	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)	1
23506774	ELBOW, 1/4"-90 DEG.	1
2.9000 - INJECTOR CONTROLS		
TUBE ASSY., INJECTOR CONTROL		
A TUBE ASSY. INCLUDES SHAFT IN 2.9007 PLUS ITEMS LISTED WITH EACH NUMBER.		
23500712	TUBE ASSY. (6-71C ENG.) (INCLUDES (1) BRACKET IN 2.9003 PLUS ITEMS IN 2.9007, 2.9009, 2.9010, 2.9012	1
BRACKET, INJECTOR CONTROL TUBE		
5130509	BRACKET	
SHAFT, INJECTOR CONTROL TUBE END		
5150259	SHAFT (1.06" L.)	1
5180138	SHAFT, 2.81" L. W/GROOVE	1
LEVER, INJECTOR CONTROL TUBE		
142487	PIN, 1/8"X7/8" GROOVE (12.9270)	1
274270	RING, RETAINING	1
5180124	LEVER	1
SPACER, INJECTOR CONTROL TUBE LEVER		
142488	PIN	1
5150843	SPACER	1
5180122	SPACER	1
SPRING, INJECTOR CONTROL TUBE		
5101258	SPRING (L.H. HELIX) (GREEN)	1
5101295	SPRING (R.H. HELIX) (ORANGE)	5
5115922	SPRING (WHITE STRIPE)	1
5180144	SPRING (FUEL MODULATING)	1
LEVER, INJECTOR CONTROL TUBE RACK		
120613	NUT, 1/4"-28 JAM	6
5101392	SCREW, 1/4"-28X.90"	6
5101397	LEVER	6
BRACKET, INJECTOR CONTROL TUBE		
5130509	BRACKET	1
9422203	BOLT, 1/4"-20X5/8" (12.9001)	4
LINK, INJECTOR CONTROL TUBE TO GOVERNOR		
5150990	LINK (A, C ENGINE, MECHANICAL GOV.)	1
103361	PIN, 1/16"X1/2" COTTER	1
5147345	PIN, 1/4"X49/64" CLEVIS (2.9022)	1
EFF. WITH 2A-44562.		

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/07

PART #	NAME AND DESCRIPTION	QUANTITY
3.3000A - AIR INLET HOUSING		
HOUSING, AIR INLET		
23519228	HOUSING AIR INLET	1
5103186	PLUG, 1/2"-14 PIPE (12.9550)	1
179844	BOLT, 3/8"-16X1 5/8"	4
179847	BOLT, 3/8"-16X1 1/2"	1
179849	BOLT, 3/8"-16X2 1/2"	1
103321	LOCKWASHER, 3/8"	6
PLATE, AIR INLET HOUSING STRIKER		
3290399	PLATE	1
GASKET, AIR INLET HOUSING STRIKER PLATE		
3290572	GASKET (3.3030)	1
3.4000 - BLOWER AND DRIVE		
BLOWER ASSY.		
A 2 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4240.		
A 3, 4 & 6 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4190, PLUS ITEMS IN 3.4290. OR SEE ASSEMBLY BREAKDOWN IF INDICATED.		
R5138555	REMANUFACTURED 5138555	AR
5138555	BLOWER ASSY., 6-71 C&D ENG. "T"	1
HOUSING, BLOWER		
5138725	HOUSING, 6-71	1
ROTOR, BLOWER IMPELLER		
A ROTOR ASSEMBLY INCLUDES SHAFT AND PIN IN 3.4035.		
5138562	ROTOR ASSY., 6-71 UPR. (R.H. HELIX)	1
5138729	ROTOR ASSY., 6-71 LWR. (L.H. HELIX)	1
9428477	PLUG, 15/16" CUP (2.7340)	12
SHAFT, BLOWER ROTOR		
142522	PIN, 1/4"X1 3/4" GROOVE (12.9270)	4
5150216	SHAFT, 4 9/16" L. (REAR)	2
5150869	SHAFT ASSY.	1
5179046	SHAFT ASSY. (INCLUDES PLUG)	1
PLUG, BLOWER ROTOR SHAFT		
5150829	PLUG, 7/8" CUP (4.8001)	1
5179045	PLUG (KNURLED & TAPPED)	1
BEARING, BLOWER ROTOR FRONT		
7451054	BEARING	2
RETAINER, BLOWER ROTOR FRONT BEARING		
103319	LOCKWASHER, 1/4"	6
443603	BOLT, 1/4"-20X3/4" (12.9001)	6
5103525	RETAINER	2
BEARING, BLOWER ROTOR REAR		
954418	BEARING	2
RETAINER, BLOWER ROTOR REAR BEARING		
103319	LOCKWASHER, 1/4"	6
443603	BOLT, 1/4"-20X3/4" (12.9001)	6
5103525	RETAINER	2
GEAR SET, BLOWER ROTOR		
182776	BOLT, 1/2"-20X1 1/4"	2
5154398	LOCKWASHER, 1/2" EXT. TOOTH (3.4080)	2
5192234	GEAR SET (ROTOR TIMING)	1
SHIM, BLOWER ROTOR GEAR		
5150372	SHIM, .002"	AR
5150855	SHIM, .005"	AR
5150856	SHIM, .010"	AR
5153938	SHIM, .003"	AR
DISC, BLOWER ROTOR FUEL PUMP COUPLING		
5154401	DISC	1
WASHER, BLOWER ROTOR GEAR RETAINING		
5154400	WASHER	1
BLOWER ROTOR GEAR HUB KIT		
A KIT INCLUDES ITEMS IN 3.4130, 3.4135 AND 3.4137.		
5192751	HUB KIT	1
HUB, BLOWER ROTOR GEAR		
5173366	HUB	1
PLATE, BLOWER ROTOR GEAR HUB		
103320	LOCKWASHER, 5/16"	6
5107501	WASHER, .070" THICK	6
5173362	BOLT, 5/16"-24X3/4" (3.4135)	3
5173363	BOLT, 5/16"-24X1" (3.4135)	3

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
3.4000	- BLOWER AND DRIVE	
5173365	PLATE	2
SPACER, BLOWER ROTOR GEAR HUB		
5173364	SPACER (3.4137)	3
PLATE, BLOWER HOUSING END		
A PLATE ASSY. INCLUDES DOWEL PINS.		
117296	SCREW, 5/16"-18X1 1/2" FIL. HD. SL.	4
5114528	PIN, 3/8"X.47" L.	4
5193719	PLATE ASSY. (INCLUDES DOWEL PINS)	2
CARRIER, BLOWER HOUSING END PLATE SEAL RING		
5100727 OBS	CARRIER (MUST BE USED WITH 5100617 SEAL IN 3.4160)	4
COLLAR, BLOWER HOUSING END PLATE SEAL RING		
5110330 OBS	COLLAR	4
SEAL, BLOWER HOUSING END PLATE		
5100617	SEAL, OIL (MUST BE USED WITH 5100727 CARRIER)	4
COVER, BLOWER HOUSING END PLATE		
103320	LOCKWASHER, 5/16"	20
179828	BOLT, 5/16"-18X.2 1/2"	20
5114442	COVER (FRONT) (DIE CAST END PLATE)	1
5120726	COVER (REAR) (FOR DIE CAST END PLATE)	1
GASKET, BLOWER HOUSING END PLATE COVER		
5114726	GASKET	2
COUPLING, BLOWER TO WATER PUMP DRIVE		
138234	BOLT, 5/16"-24X1 1/2" HEX. SOC. HD. (12.9027)	1
5122069	COUPLING	1
427570	BOLT, 7/16"-14X2" (12.9001)	8
5125608	WASHER, 15/32"X3/4"X1/8"	8
BLOWER KIT, INSTALLATION		
A 2 CYLINDER KIT INCLUDES ITEMS IN 1.3170, 2.7010, 2.7020, 2.7051 AND 3.401		
O.A 3, 4, 6 CYLINDER KIT INCLUDES ITEMS IN 2.2007, 2.7010, 2.7020, 2.7051,		
2.7530, 3.3030, 3.4010, 3.4025, 3.4210, 3.4220, 3.4225, 3.4227, 5.1010, 5.1		
220, 5.1240 AND 5.1250.		
5192754	BLOWER KIT, 6-71	AR
BLOWER KIT, REPAIR		
A 2 CYLINDER BLOWER KIT INCLUDES ITEMS IN 3.4025, 3.4040, 3.4060, 3.4090, 3.		
4160, 3.4190 AND 2.4240. A 3, 4, 6 CYLINDER NON-TURBO BLOWER KIT INCLUDES IT		
EMS IN 3.4040, 3.4060, 3.4090, 3.4160, 3.4163 AND 3.4190 PLUS 5154115, 5189		
973 LOCKWASHERS IN 3.4080.		
23514204	BLOWER KIT(W/REDUCTION BLOWER GEAR SET)	AR
GASKET, BLOWER		
5115656	GASKET, 6-71	1
SCREEN, BLOWER		
5103601	SCREEN, 6-71	1
COVER, BLOWER DRIVE		
5118353	COVER, 4 3/4" L. 6-71	1
SEAL, BLOWER DRIVE COVER		
23515630	SEAL RING	2
CLAMP, BLOWER DRIVE COVER PACKING		
5138336	CLAMP, 2 15/16"-3 1/4" CLAMPING RANGE (3.4227)	2
GEAR, BLOWER DRIVE		
DO NOT MIX NITRIDE HARDENED GEARS WITH NON-NITRIDE HARDENED GEARS ON THE SA		
ME GEAR TRAIN.		
5115898	GEAR (R.H. HELIX) (39 TEETH)	1
HUB, BLOWER DRIVE GEAR		
8925447	HUB	1
274889	PIN, 1/8"X1/4" SPRING (12.9270)	1
WASHER, BLOWER DRIVE GEAR HUB THRUST		
8926293	WASHER (3.4320)	1
NUT, BLOWER DRIVE GEAR HUB		
5117727	NUT, 1 7/16"-16 (3.4330)	1
LOCKWASHER, BLOWER DRIVE GEAR		

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
3.4000 - BLOWER AND DRIVE		
8926285	LOCKWASHER, 1 15/32" I.D. EXT. TEETH (3.4340)	1
SUPPORT, BLOWER DRIVE GEAR HUB		
A SUPPORT ASSY. INCLUDES BEARING IN 3.4355.		
5122528	SUPPORT ASSY (CAST IRON)	1
8924380	PLUG, 1/8"-27 PIPE (12.9550)	1
2090316 J	PLUG, 2 1/4" DIA. (4.2290)	AR
8925438	BOLT, 3/8"-24X7/8" (12.9001)	2
103321	LOCKWASHER, 3/8"	2
J USE TO PLUG OIL FILLER HOLE AS REQUIRED.		
BEARING, BLOWER DRIVE GEAR HUB SUPPORT		
8923812	BEARING KIT (3.4345)	2
5122529	WASHER	1
GASKET, BLOWER DRIVE GEAR HUB SUPPORT		
5148810	GASKET (1.7646)	1
COUPLING, BLOWER DRIVE		
A COUPLING ASSY. INCLUDES SUPPORT, CAM, SPRING AND SEAT IN 3.4380 THRU 3.4410.		
5103377	COUPLING ASSY.	1
103320	LOCKWASHER, 5/16"	6
5150350	BOLT, 5/16"-24X1 15/16"	6
SUPPORT, BLOWER DRIVE COUPLING		
5150345	SUPPORT	1
CAM, BLOWER DRIVE COUPLING		
5103365	CAM, 1.41" THK.	1
SPRING, BLOWER DRIVE COUPLING		
5123859	SPRING	42
SEAT, BLOWER DRIVE COUPLING SPRING		
5150346	SEAT	4
5123860	SEAT, BLOWER DRIVE SPRING	2
RETAINER, BLOWER DRIVE COUPLING		
5150349	RETAINER	1
3.4000A - BLOWER DRIVE SHAFT		
SHAFT, BLOWER DRIVE		
5154640	SHAFT, 6-71 SHORT (11 1/16" L.)	1
RING, BLOWER DRIVE SHAFT		
5167727	RING, SNAP	1
5154637	RING, RETAINING	1
3.5000A - TURBOCHARGER, INTERCOOLER AND AFTERCOOLER		
TURBOCHARGER		
REFER TO ASSEMBLY BREAKDOWN AS INDICATED BELOW.		
R23503073	REMANUFACTURED 23503073	AR
23503073	TURBOCHARGER ASSY. (TV 7302)	1
HOUSING, TURBOCHARGER TURBINE		
23504482	HOUSING	1
HOUSING ASSY., TURBOCHARGER INTERMEDIATE		
A HOUSING ASSY. INCLUDES ITEMS IN 3.5018 AND 3.5027 THRU 3.5036.		
173639	SCREW, DRIVE .073"X1/4"	2
23502747	HOUSING ASSY.	1
23503754	SCREW, M4X10.0 MM	3
5149173	SHROUD, WHEEL	1
8925742	HOUSING	1
8925746	BACKPLATE ASSY.	1
8925748	BEARING, THRUST (OUTBOARD)	1
8925750	BOLT, 1/4"-20X1"	4
HOUSING, TURBOCHARGER COMPRESSOR		
23505492	CLAMP (VEE BAND)	1
23505493	CLAMP (VEE BAND)	1
23515194	SEAL TURB INLET SCR N 0.43WIDTH V71/92	1

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
3.5000A - TURBOCHARGER, INTERCOOLER AND AFTERCOOLER		
23507978	KIT, SCREEN & .43" W/SEAL	1
8925753	HOUSING	1
BEARING, ROTOR ASSY. SHAFT		
A BEARING KIT INCLUDES (1) BEARING NOT SERVICED SEPARATELY.		
5198049	RING, SNAP	3
5198988	SPACER, .665"X.975"X.18	2
8925744	BEARING	2
SEAL, ROTOR ASSY. SHAFT OIL		
5149154	RING, SEAL (PISTON RING TYPE)	1
5197583	RING, SEAL (PISTON RING TYPE)	2
5198936	RING, SEAL	1
SHAFT ASSY., TURBOCHARGER ROTOR		
23502111	SHAFT ASSY. (INCLUDES INTEGRAL WHEEL)	1
COLLAR, TURBOCHARGER ROTOR THRUST		
8925751	COLLAR	1
SPACER, TURBOCHARGER ROTOR THRUST		
8925749	SPACER	1
WHEEL, TURBOCHARGER COMPRESSOR		
8925745	WHEEL, COMPRESSOR	1
8925752	NUT, LOCK 3/8"-24	1
9411981	NUT, 3/8"-24 LOCK (12.9120)	4
CONNECTOR, TURBOCHARGER EXHAUST INLET		
5141876	ADAPTOR	1
117212	NUT, 3/8"-24 HEX. (12.9140)	1
GASKET, TURBOCHARGER EXHAUST INLET CONNECTION		
8929529	GASKET	1
GASKET, TURBOCHARGER EXHAUST OUTLET		
5142225	GASKET	1
HOSE, TURBOCHARGER AIR OUTLET CONNECTION		
23504471	HOSE, 3.50"X3.50" L.	2
5147911	CLAMP, 3 1/2" (1/2" W.)	4
TUBE, TURBOCHARGER OIL SUPPLY		
5199575	HOSE, BULK #6X25 FT. (12.8550)	1
	(CUT L. 38.5")	
8925030	ELBOW, 90 DEG. 3/8" INV. FL. TUBE (12.9480)	1
8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1
5149497	FITTING, #6 HOSE (INV. FL.) (12.8552)	1
5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.)(STRAIGHT)	1
	(12.8552)	
CLIP, TURBOCHARGER OIL SUPPLY TUBE		
2488022	CLIP, 3/8" BOLT (12.8554)	2
5177623	CLIP, 3.8" TUBE, 3/8" BOLT (2.5120)	1
5144629	BRACKET, CLIP 90 DEG.	1
5103319	BRACKET	1
8927579	BOLT, 3/8"-16X.88" (W/SEAL PATCH) (12.9001)	1
102635	NUT, 3/8"-16	2
103321	LOCKWASHER, 3/8"	2
TUBE, TURBOCHARGER OIL RETURN		
5146432	TUBE ASSY. (DEV. L. 13.92")	1
8921507	TUBE (DEV. L. 25.34")	1
5147714	HOSE ASSY., #6X21.00"L. (4.4213)	1
5170468	GASKET	1
8927579	BOLT, 3/8"-16X.88" (W/SEAL PATCH) (12.9001)	2
103321	LOCKWASHER, 3/8"	3

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
4.1000A	- OIL PUMP	
PUMP ASSY., OIL		
A L.H. PUMP IS USED ON LA, LB, LC, LD ENGINE AND R.H. PUMP ON RA, RB, RC, R		
D ENGINE. A PUMP ASSY. INCLUDES DOWEL PIN IN 4.1001 AND ITEMS IN 4.1040 TH		
RU 4.1300; PLUS ITEMS IN 4.1335 THRU 4.1380.		
R5175980	REMANUFACTURED 5175980	AR
5175980	PUMP ASSY. (R.H.)	1
186627	BOLT, 3/8"-24X1"	4
103321	LOCKWASHER, 3/8"	4
GASKET KIT, OIL PUMP OVERHAUL		
A GASKET KIT CONSISTS OF OIL PAN GASKET IN 4.7030 AND GASKETS IN 4.1280, 4.		
1300, 4.1520, 4.1590, 4.1730 AND 4.7090.		
5192108	GASKET KIT (6-71)	AR
OVERHAUL KIT, OIL PUMP		
NOT APPLICABLE TO SCAVENGING PUMPS. AN OVERHAUL KIT INCLUDES SHAFTS, GEARS,		
BUSHINGS, VALVE SPRING AND GASKETS REQUIRED TO OVERHAUL A PUMP.		
5194801	OVERHAUL KIT	AR
SHIM, OIL PUMP		
5176119	SHIM, .005"	AR
BODY, OIL PUMP		
BODY ASSY. INCLUDES BUSHINGS IN 4.1050.		
5169193	BODY ASSY. (WITH SHAFT)	1
BUSHING, OIL PUMP BODY		
5153147	BUSHING	2
SHAFT, OIL PUMP DRIVE		
5153309	SHAFT	1
SHAFT, OIL PUMP DRIVEN GEAR		
5153310	SHAFT	1
GEAR, OIL PUMP DRIVE		
5153260	GEAR (SCAVENGING)	1
103905	KEY, 1/8"X5/8" WOODRUFF	1
GEAR, OIL PUMP DRIVEN		
INCLUDES BUSHING IN 4.1210.		
5153617	GEAR ASSY. (SCAVENGING)	1
BUSHING, OIL PUMP DRIVEN GEAR		
5153154	BUSHING (4.1210)	2
COVER, OIL PUMP		
A COVER ASSY. INCLUDES BUSHING IN 4.1240.		
5153299	COVER (INCLUDES BUSHING IN 4.1240)	1
186624	BOLT, 5/16"-18 X 1 1/4"	4
103320	LOCKWASHER, 5/16"	4
BUSHING, OIL PUMP COVER		
5153154	BUSHING (4.1210)	1
VALVE, OIL PUMP RELIEF		
5153247	VALVE	1
SPRING, OIL PUMP RELIEF VALVE		
5155765	SPRING (4.1260)	1
PLUG, OIL PUMP RELIEF VALVE		
5152613	PLUG, 7/8"-18 SPECIAL	2
GASKET, OIL PUMP RELIEF VALVE		
105456	GASKET (W/5168749 PLUG) (12.9360)	2
COVER, OIL PUMP PAD		
5156955	COVER (1 7/8" BOLT CENTER)	1
5148436	BOLT, 5/16"-18X3/4" (W/LW) (12.9001)	2

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97
3

PART #	NAME AND DESCRIPTION	QUANTITY
4.1000A - OIL PUMP		
GASKET, OIL PUMP PAD COVER 5151370	GASKET (1 7/8" BOLT CENTERS)	1
GEAR, OIL PUMP DRIVE-ON CRANKSHAFT 5156532	GEAR	1
124549	KEY, 3/16"X3/4" WOODRUFF	1
SUPPORT, OIL PUMP IDLER GEAR 5169195	SUPPORT	1
5176035	DOWEL, 5/16"X3/4"	1
9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)	1
GEAR, OIL PUMP IDLER A GEAR ASSY. INCLUDES BUSHING IN 4.1350.		
5156683	GEAR ASSY.	1
443230	PIN, 1/8" (12.9270)	1
186625	BOLT, 5/16"-18X7/8"	1
5169197	WASHER (LARGE)	1
5175944	WASHER (SMALL)	1
BUSHING, OIL PUMP IDLER GEAR 5156521	BUSHING	1
GEAR, OIL PUMP DRIVE-ON PUMP 5156528	GEAR	1
103905	KEY, 1/8"X5/8" WOODRUFF	1
4.1000B - OIL DISTRIBUTION SYSTEM		
PIPE, OIL PUMP INLET 5104577	PIPE (ITEM 6)	1
186629	BOLT, 5/16"-18 X 1"	2
103320	LOCKWASHER, 5/16"	2
GASKET, OIL PUMP INLET PIPE 5153313	GASKET (2 1/8" BOLT CENTER)	1
5167380	GASKET (2 21/32" B.C.)	1
SCREEN, OIL PUMP INLET 5101176	SCREEN	1
5175705	SPACER, 13/32"X7/8"X1" (8.3826)	2
BRACKET, OIL PUMP SCREEN SUPPORT 5153317	BRACKET	2
181360	BOLT, 3/8"-24X3/4"	4
103321	LOCKWASHER, 3/8"	4
COVER, OIL PUMP INLET SCREEN 5118302	COVER	1
179828	BOLT, 5/16"-18X.2 1/2"	2
120393	WASHER, 5/16"	4
120376	NUT, 5/16"-18	2
PIPE, OIL PUMP OUTLET 5159388	PIPE	1
179819	# BOLT, 5/16"-18X1.125"	2
179824	BOLT, 5/16"-18X1 3/4"	2
103320	LOCKWASHER, 5/16"	2
9413301	NUT, 5/16"-18 SELF-LOCKING (12.9140)	2
# EFFECTIVE WITH 3A-22015, 4A-53072, 6A-47018.		
GASKET, OIL PUMP OUTLET PIPE 5151370	GASKET (1 7/8" BOLT CENTERS)	1
5153313	GASKET (2 1/8" BOLT CENTER)	1
PIPE, BLOWER DRIVE BEARING OIL 5150433	B PIPE (DEV. L. 11 7/8")	1
8924151	ELBOW, 1/4"-90 DEG. ST.; 1/8" PIPE (12.9590)	1
8925032	ELBOW, 1/4"-90 DEG. INV. FL. TUBE; 1/8" PIPE	1
8925128	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)	1
8924380	PLUG, 1/8"-27 PIPE (12.9550)	1
B WITH 60 DEG. OIL FILLER.		

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
4.1000C - OIL, PRESSURE REGULATOR		
REGULATOR, OIL PRESSURE		
A REGULATOR ASSY. INCLUDES ITEMS IN GROUPS 4.1680 THROUGH 4.1710.		
5104390	REGULATOR ASSY. (A,B,C & D ENG.)	1
120393	WASHER, 5/16"	2
179819	BOLT, 5/16"-18X1.125"	2
BODY, OIL PRESSURE REGULATOR AND RELIEF		
5104380	BODY (A,B,C & D ENG.)	1
SPRING, OIL PRESSURE REGULATOR		
5156815	SPRING (4.1690)	1
VALVE, OIL PRESSURE REGULATOR		
5120082	VALVE, 5/8" DIA.	1
PLUG, OIL PRESSURE REGULATOR		
5156816	PLUG	1
GASKET, OIL PRESSURE REGULATOR BODY		
5104381	GASKET	1
4.2000A - OIL FILTER		
ELEMENT, OIL FILTER		
INCLUDES GASKET IN 4.2300.		
23518671	FILTER, LUBE OIL	1
23518524	FILTER, LUBE OIL	AR
4.4000A - OIL COOLER AND MARINE GEAR LINES		
CORE, OIL COOLER-ENGINE		
8547236	CORE ASSY. (13 PLATE)	1
GASKET, OIL COOLER CORE-INNER		
23501591	GASKET	1
GASKET, OIL COOLER CORE-OUTER		
8923223	R GASKET	1
R THRU 6A-71747 ON TYPE 120.		
HOUSING, OIL COOLER-ENGINE		
5169646	HOUSING, R.H.	1
8924140	DRAINCOCK, 1/4" (12.9510)	1
5153902	GASKET, 2-53 (4.1520)	1
5177241	FLANGE	1
5115214	PLUG, 1/2"-14 PIPE (12.9550)	1
8924517	PLUG, 3/8"-18 SQ. SOC. VIBRA SEAL (12.9550)	2
186624	BOLT, 5/16"-18 X 1 1/4"	4
186650	BOLT, 5/16"-18X4 3/4"	6
103320	LOCKWASHER, 5/16"	10
ADAPTOR, OIL COOLER		
AN ADAPTOR ASSY. INCLUDES PLUG IN 4.4110 AND ITEMS IN 4.4140 THROUGH 4.4170		
5104417	ADAPTOR, R.H.	1
ADAPTOR, OIL COOLER		
5103892	INSERT, FILTER ADAPTOR (4.2240)	1
8923847	PLUG, PIPE 1/4-18" NPTF	2
VALVE, OIL COOLER BYPASS		
5133431	VALVE (DISC)	1
SPRING, OIL COOLER BYPASS VALVE		
5133594	SPRING	1
PLUG, OIL COOLER BYPASS VALVE		
5126686	PLUG, 1 1/4"-16 (4.2488)	1
GASKET, OIL COOLER BYPASS VALVE PLUG		
5575086	GASKET	1
5103892	INSERT, FILTER ADAPTOR (4.2240)	1
8923847	PLUG, PIPE 1/4-18" NPTF	2
179847	BOLT, 3/8"-16X1/2"	1
8923389	BOLT, 3/8"-16X1.38"	3
8927581	BOLT, 3/8"-16X1.135" (12.9001)	3

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
4.4000A - OIL COOLER AND MARINE GEAR LINES		
103341	WASHER, 3/8"	6
103321	LOCKWASHER, 3/8"	1
GASKET, OIL COOLER ADAPTOR TO BLOCK		
5150154	GASKET	2
5175882	SPACER, 13/32" I.D. X 88" O.D. (4.4115)	1
VALVE, OIL COOLER BYPASS		
5133431	VALVE (DISC)	1
5177777	VALVE	1
SPRING, OIL COOLER BYPASS VALVE		
5133594	SPRING	1
5177778	SPRING (4.1260)	1
PLUG, OIL COOLER BYPASS VALVE		
5126686	PLUG, 1 1/4"-16 (4.2488)	1
23509925	PLUG 18 MM X 15MM TORX HD	1
GASKET, OIL COOLER BYPASS VALVE PLUG		
5575086	GASKET	1
5177773	GASKET	1
4.5000A - OIL, FILLER		
TUBE, OIL FILLER		
5108671	TUBE	1
5108672	TUBE ASSY.	1
CAP, OIL FILLER		
5117362	CAP, OIL FILLER	1
STRAINER, OIL FILLER TUBE		
5150147	STRAINER	1
CHAIN, OIL FILLER CAP		
5146248	HOOK, OIL FILLER CAP	2
4.6000A - DIPSTICK		
23504352	RING SEAL, .070" X .301" I.D.	1
23513842	SEAL OIL LVL GA ADAP	1
23516575	TUBE ASM OIL LVL GA DEV L 5.90	1
23516608	GAUGE ASM OIL LEVEL 12.0	1
5151430	GUIDE (1.50" L.)	1
4.7000A - OIL PAN		
PAN, OIL		
5174986	PAN, 6-71 STAMPED	1
5148436	BOLT, 5/16"-18X3/4" (W/LW) (12.9001)	34
GASKET, OIL PAN TO BLOCK		
5150117	GASKET, 6-71 (STAMPED PAN)	1
PLUG, OIL PAN DRAIN		
PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN THE SAME TYPE.		
8924517	PLUG, 3/8"-18 SQ. SOC. VIBRA SEAL (12.9550)	1
GASKET, OIL PAN DRAIN PLUG		
840277	GASKET (23/32" I.D.)	2
TUBE, OIL PAN DRAIN		
5186752	& TUBE ASSY. (20 1/2" L.)	1
5175082	TUBE ASSY. (DEV. L. 12 3/4")	1
& USED IN PLACE OF 5175082 ON BASE MOUNTED ENGINES WITH HYDRAULIC STARTING, ALSO REQUIRES 8924517 PLUG IN 4.7080.		
4.8000A - VENTILATING SYSTEM		
PIPE ASSY., BREATHER		

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97
- 778839

PART #	NAME AND DESCRIPTION	QUANTITY
4.8000A - VENTILATING SYSTEM		
120217	LOCKWASHER, #10	2
BAFFLE, BREATHER		
5176066 0	BAFFLE	1
100014 0	BOLT, 5/16"-24X1"	2
103320 0	LOCKWASHER, 5/16"	2
O USED IN TYPE 152 EFFECTIVE WITH 4A-71923.		
BREATHER ASSY.		
SEE ASSEMBLY BREAKDOWN IF INDICATED.		
5110384 I	BREATHER ASSY. (4")	1
SHELL, BREATHER		
2443795	COVER ASSY., 4"	1
5104265	CLAMP ASSY.	1
FILTER UNIT, BREATHER (COLLECTOR)		
5144036	ELEMENT	1
GASKET, BREATHER BODY OR SEPARATOR		
5144038	GASKET	1
5110393	GASKET	1
5110392	STUD, BREATHER (WING TYPE)	1
179862	BOLT, 7/16"-14X1 1/2"	4
5171344	WASHER, 5/16" (2.8830)	1
103322 0	LOCKWASHER, 7/16"	AR
I EFFECTIVE WITH 4A-70684.		
O USED IN TYPE 152 EFFECTIVE WITH 4A-71923.		
BODY, BREATHER OR SEPARATOR		
5110397	BODY, 3,4-53	1
5112067	ADAPTOR (CRANKCASE)	1
186628	BOLT, 3/8"-16X1 1/2"	2
427588	BOLT, 3/8"-16X2 1/2" (12.9001)	2
103341	WASHER, 3/8"	4
103321	LOCKWASHER, 3/8"	4
GASKET, BREATHER SHELL COVER		
23505521	GASKET	1
GASKET, BREATHER BODY OR SEPARATOR		
5130349	GASKET (1.1085)	1
4.8000A - VENTILATING SYSTEM		
SHELL, BREATHER		
5103648	SHELL ASSY. (ALUM.) (INCLUDES TUBE)	1
5103647	RETAINER ROCKER COVER BREATHER	1
GASKET, BREATHER SHELL COVER		
5103646	SEAL DC ROCKER COVER BREATHER	1
FILTER UNIT, BREATHER		
5103636	RETAINER BTHR ELEMENT ROCKER COVER	1
5101760	ELEMENT (ROUND)	1
5103642	SCREW, #10-24X.375" LOCK (4.8055)	3

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
5.1000	- FRESH WATER PUMP	
	PUMP ASSY., FRESH WATER	
	A PUMP ASSY. INCLUDES ITEMS IN 5.1030 THRU 5.1216 EXCEPT DRAINCOCKS IN 5.1030 AND KIT IN 5.1115. OR A PUMP KIT INCLUDES PUMP ASSY. AND BOLTS IN 5.1001 AND ITEMS IN 5.1010, 5.1032 AND 5.1220.	
23506711	# KIT WATER PUMP RH HIGH CAPACITY 71	1
5118219	BOLT ASSY., (W/SEAL WASHER) (2.2001)	3
	# NOT SERVICED, USE PUMP KIT SHOWN IN PARENTHESES.	
	RECONDITIONING KIT, FRESH WATER PUMP	
	INCLUDES ITEMS IN 5.1010, 5.1035, 5.1050, 5.1110, 5.1130, 5.1140, 5.1210, 5.1220 AND 5.1032.	
23506870	U RECONDITIONING KIT (HIGH CAPACITY)	AR
	U NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.	
	GASKET, FRESH WATER PUMP	
5150193	GASKET (FUEL PUMP TO DRIVE ASSY.) (5.1010)	1
	BODY, FRESH WATER PUMP	
	A BODY ASSY. INCLUDES ITEMS IN 5.1035.	
8920916	BODY (RH HI CAP)	1
	GASKET, FRESH WATER PUMP BODY COVER	
5178273	GASKET	1
	STUD, FRESH WATER PUMP BODY	
8921930	BOLT, 1/4"-20X.75" (W/SEAL PATCH) (12.9001)	4
	SHAFT ASSY., FRESH WATER PUMP	
908337	SHAFT (INCLUDES BEARING)	1
	IMPELLER, FRESH WATER PUMP	
	AN IMPELLER AND SEAL ASSY. INCLUDES ITEMS IN 5.1130 THRU 5.1180.	
5135612	IMPELLER (WITH CERAMIC SEAL) HI CAP	1
	REPLACEMENT KIT, FRESH WATER PUMP SEAL SEAT	
	REPLACEMENT KITS EXCEPT 5197279 INCLUDE ITEMS IN 5.1010, 5.1035, 5.1130, 5.1140, 5.1220, 5.1032 AND PIN 5.1110.	
5197279	E REPLACEMENT KIT, IMPELLER INSERT	AR
5149918	REPLACEMENT KIT (INCLUDES CERAMIC SEAL)	AR
	E INCLUDES CERAMIC SEAL AND ADHESIVE WASHERS.	
	SEAL, FRESH WATER PUMP	
8924297	SEAL	1
	THROWER, FRESH WATER PUMP	
5114011	THROWER	1
	PACKING, FRESH WATER PUMP OUTLET	
5150191	PACKING	1
	FLANGE, FRESH WATER PUMP OUTLET PACKING	
179819	BOLT, 5/16"-18X1.125"	2
5178274	FLANGE	1
103320	LOCKWASHER, 5/16"	2
5.1000A	- FRESH WATER PUMP COVER	
	COVER, WATER PUMP	
5179386	& COVER (ITEM 8)	1
8921930	BOLT, 1/4"-20X.75" (W/SEAL PATCH) (12.9001)	4
120380	LOCKWASHER, 1/4"	4
	& NOT SERVICED, USE 1-5150364 COVER, 1-5153902 GASKET, 2-179816 BOLTS AND 2-103320 LOCKWASHERS.	
	GASKET, WATER PUMP COVER	
5178273	GASKET	1
	SEAL, WATER PUMP INLET	
5156770	SEAL	1
	CLAMP, WATER PUMP INLET SEAL	

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
5.1000A - FRESH WATER PUMP COVER		
5188036	CLAMP, 2 9/16"-3 1/2" CLAMPING RANGE (12.9660)	2
HOSE, WATER BYPASS TUBE CONNECTING		
5118149	HOSE, 1" I.D.X30" L. (4.1642) (CUT L. 3 1/2")	1
5186840	CLAMP, 1 1/2" I.D. (12.9660)	2
5.2000A - WATER OUTLET MANIFOLD AND/OR ELBOW		
MANIFOLD, WATER OUTLET		
5101772	MANIFOLD (8, 12V)	1
5115214	PLUG, 1/2"-14 PIPE (12.9550)	6
5142549	PLUG, 3/4" PIPE SQ. SOC. (12.9550)	1
103321	LOCKWASHER, 3/8"	12
103026	NUT, 3/8"-24	12
GASKET, WATER OUTLET MANIFOLD		
23506469	GASKET, WATER OUTLET PORTS (5.2010)	6
STUD, WATER OUTLET MANIFOLD		
5101377	BOLT, 3/8"-16X1" (W/SEAL PATCH) (5.2020)	4
COVER, WATER OUTLET MANIFOLD HOLE		
5117344	PLATE, WATER OUTLET PORTS	2
5.2000B - THERMOSTAT		
THERMOSTAT ASSY.		
5172141	THERMOSTAT ASSY. (173 DEG. OPENING TEMP.) (FORD TR	1
5.2000C - WATER BYPASS TUBE		
TUBE, WATER BYPASS		
5186203	@ TUBE (L.H.)	1
190367	B ELBOW, 1/4"-90 DEG. (12.9590)	1
103647	DRAINCOCK, 1/4"	1
8924517	PLUG, 3/8"-18 SQ. SOC. VIBRA SEAL (12.9550)	2
@ INCLUDES THERMOSTAT HOUSING.		
B THRU 3A-6216, 4A-11338, 6A-10554 ON TYPES 6 AND 17 AND 8A-134, 12A-838, 24A-122 ON TYPES 21 AND 22.		
GASKET, WATER BYPASS TUBE-UPPER		
5169478	GASKET (5.2110)	2
CLIP, WATER BYPASS TUBE		
5157702	F CLIP, 1" HOSE (4.8040)	1
5160425	SPACER, 13/32"X23/32"	1
179846	BOLT, 3/8"-16X1 7/8"	1
F USE THRU 6A-56521 IN TYPE 51.		
ELBOW, WATER MANIFOLD OUTLET		
5186206	ELBOW (WITH VENT) (2 1/4" O.D.) (VERTICAL)	1
103647	DRAINCOCK, 1/4"	1
5121182	PLUG, 1/4" PIPE (2.4015)	1
179828	BOLT, 5/16"-18X.2 1/2"	4
103320	LOCKWASHER, 5/16"	4
TUBE WATER BYPASS VENT		
120401	* ELBOW, 1/8" STREET 90 DEG.	1
5182882	* HOSE ASSY., .19"X20 1/2" L.	1
187321	* CONNECTOR, 1/4" TUBE	1
8924380	* PLUG, 1/8"-27 PIPE (12.9550)	1
* EFFECTIVE WITH 3A-6217, 4A-11339, 6A-10555 AND THRU 3A-13834, 4A-31253, 6A-28546 ON TYPES 7 AND 17 AND EFFECTIVE WITH 8A-135, 12A-839, 24A-123 AND THRU 8A-252, 12A-2146, 24A-181 ON TYPES 21 AND 22.		
5.3000B - WATER CONNECTIONS		
CONNECTION, OIL COOLER WATER INLET		
5172508	CONNECTION	1
193221	BOLT, 7/16"-14X1 1/4"	2
103322	LOCKWASHER, 7/16"	2

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
5.3000B - WATER CONNECTIONS		
GASKET, OIL COOLER WATER INLET CONNECTION		
5163760	GASKET (5.5090)	1
5.4000A - FAN		
PULLEY AND HUB ASSY., FAN		
SEE ASSEMBLY BREAKDOWN PAGE IF INDICATED.		
5103349	PULLEY AND HUB ASSY.	1
SHAFT, FAN		
5102381	BRACKET (W/INTEGRAL SHAFT) (5.4100)	1
BEARING, FAN SHAFT		
23503535	BEARING (OUTER)	1
23503704	BEARING, BALL SGL. ROW (1.7655)	1
RETAINER, FAN SHAFT BEARING		
5104317	WASHER, 2.22" DIA.X.32" THK.	1
9409060	BOLT, 1/2"-20 X 1 1/2" (12.9001)	1
9422755	RING, SNAP (5.4368)	1
SEAL, FAN SHAFT		
5103951	SEAL	1
CAP AND SPACER, FAN HUB		
455322	FITTING, 1/8" VENT (12.9540)	1
5100890	CAP (IN PULLEY)	1
HUB, FAN		
191758	FITTING, 1/8" GREASE (12.9540)	1
5103374	PULLEY (HUB) (2 GROOVE, 9.75" DIA.)	1
120393	WASHER, 5/16"	1
427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4
5108436	WASHER, 7/16" (7.1598)	4
103322	LOCKWASHER, 7/16"	4
SUPPORT, FAN MOUNTING		
5100202	SUPPORT	1
179828	BOLT, 5/16"-18X.2 1/2"	6
186646	BOLT, 1/2"-13X1 3/4"	2
186725	BOLT, 1/2"-13 X 1.50"	1
8927603	BOLT, 3/8"-16X4 1/2" (12.9001)	2
5109949	WASHER, 17/32"X1 3/16"X.1943" (5.4025)	2
5150230	WASHER, 3/8"X1 3/16" (3.4120)	2
103320	LOCKWASHER, 5/16"	6
103323	LOCKWASHER, 1/2"	2
SCREW, FAN BRACKET ADJUSTING		
120393	WASHER, 5/16"	1
5108434	BOLT, 5/16"-18X5"	1
5109642	BOLT, 5/16"-18X7"	1

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
6.1000A - EXHAUST MANIFOLD AND/OR CONNECTIONS		
MANIFOLD, EXHAUST		
23517409	STUD 3/8-16 X 2.64 LONG	4
5147649 0	MANIFOLD ASSY. (6 CYL)	1
5109158	STUD, 3/8"-16/24X2 1/2" (6.2115)	1
5102735	CRAB	2
5104439	WASHER, (DISHED) 7/16" (6.1001)	8
9174746	NUT, 7/16"-20 LOCK (12.9120)	10
0 NOT SERVICED, USE 5147314 PLUS 4-103198 AND 1-103196.		
GASKET, EXHAUST MANIFOLD		
5120224	GASKET	2
5120222	GASKET	1
STUD, EXHAUST MANIFOLD TO HEAD		
8925804	STUD, 7/16"-14/20X2 3/32" (6.1020)	10
PLATE, EXHAUST MANIFOLD COVER		
5121098	PLATE	1
186618	BOLT, 5/16"-18X5/8"	2
103320	LOCKWASHER, 5/16"	2
GASKET, EXHAUST MANIFOLD COVER PLATE		
5113412	GASKET (7.4510)	1

DETROIT DIESEL
CUSTOM PARTS CATALOG 05/06/97

PART #	NAME AND DESCRIPTION	QUANTITY
7.1000A - BATTERY, CHARGING GENERATOR		
GENERATOR ASSY.		
1100274	GENERATOR (24V., 65 AMP., CW/CCW) (AC)	1
9427945	BOLT, 1/2"-13 X 6.25" (12.9001)	1
103323	LOCKWASHER, 1/2"	1
5132715	WASHER, .53"X.94"X.12" (1.3140)	1
102637	NUT, 1/2"-13	1
© PROCURE FROM AC DELCO.		
PULLEY, GENERATOR		
5136448	PULLEY (3.24" DIA., 1 GROOVE, .500")	1
PULLEY, GENERATOR DRIVE		
5142131	PULLEY (BOLT ON) (9" DIA., 1 GROOVE) (ITEM 3)	1
5139735	PLATE, PULLEY SUPPORT (7.1505)	1
179838	BOLT, 3/8"-16X7/8"	3
103321	LOCKWASHER, 3/8"	3
BELT, GENERATOR DRIVE		
9433893	BELT (44.00"L.X.500" W.)	1
STRAP, GENERATOR ADJUSTING		
5100629	STRAP	1
442733	BOLT, 1/2"-13 X 1.25" (12.9001)	1
186622	BOLT, 3/8"-16 X 1.25"	1
103321	LOCKWASHER, 3/8"	1
103323	LOCKWASHER, 1/2"	1
SPACER, GENERATOR ADJUSTING STRAP		
5117082	SPACER, .53"X1.16" (3.4103)	1
BRACKET, GENERATOR MOUNTING		
5100635	BRACKET (L.H.)	1
5141767	SHIM, .030"	AR
5141768	SHIM, .010"	AR
454934	BOLT, 7/16"-14X2 1/2" (12.9001)	1
179862	BOLT, 7/16"-14X1 1/2"	2
103322	LOCKWASHER, 7/16"	3
SPACER, GENERATOR AND MOUNTING BRACKET		
5141766	SPACER, 15/32"X1"X.29" (7.1598)	1
5108436	WASHER, 7/16" (7.1598)	1
5141765	SPACER, 15/32"X 1"X.76" (7.1598)	1
7.3000A - STARTING MOTOR		
MOTOR ASSY., STARTING		
1990437	MOTOR START (24V., INSL., C.W., 42MT)	1
9418228	BOLT, 5/8"-11X1 3/4" 12 POINT (12.9005)	3
103325	LOCKWASHER, 5/8"	3
GASKET, STARTING MOTOR		
5130995	GASKET	1
SWITCH, STARTING MOTOR SOLENOID		
UNLESS SHOWN, MAGNETIC SWITCH OR SOLENOID IS PART OF STARTING MOTOR ASSY.		
1115615	RELAY ASSY. (7.4707)	1

**DETROIT DIESEL
CUSTOM PARTS 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



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