

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	32
AIR BOX DRAINS THRU SERIAL NO. 3D-9115	1.1000A	32
AIR BOX DRAINS EFFECTIVE WITH 3D-9116	1.1000A	68
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET THRU SERIAL NO. 3D-2047	1.2000A	40
ENGINE LIFTER BRACKET EFFECTIVE WITH 3D-2048	1.2000A	53
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER (OPTIONAL EQUIP. EFF. WITH 3D-5741, STANDARD EQUIP. NOT SHOWN ON OPTION PLATE PRIOR TO THIS SERIAL NUMBER.)	1.3000A	48
CRANKSHAFT PULLEY (NO FRONT PTO)	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	185
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER (BREATHER EXTENSION)	1.8000A	71
ROCKER COVER (WITH FILLER AND BREATHER EXTENSION)	1.8000A	70
FUEL INJECTOR	2.1000A	52
FUEL INJECTOR	2.1000A	51
FUEL PUMP	2.2000	33
FUEL FILTER	2.3000A	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU SERIAL NO. 3D-667	2.5000A	390
FUEL LINES EFFECTIVE WITH 3D-668	2.5000A	433
MECHANICAL GOVERNOR (VARIABLE SPEED, CLOSED LINKAGE)	2.7000A	601
MECHANICAL GOVERNOR (VARIABLE SPEED, OPEN LINKAGE)	2.7000A	596
MECHANICAL GOVERNOR (LIMITING SPEED)	2.7000A	588
INJECTOR CONTROL TUBE	2.9000	100
THROTTLE CONTROLS (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	2.9000A	476
AIR CLEANER	3.1000A	199
AIR SILENCER (MOUNTED ON AIR INLET HOUSING)	3.2000A	28
AIR INLET HOUSING (FOR AIR CLEANER)	3.3000A	140
AIR INLET HOUSING (FOR AIR SILENCER)	3.3000A	232
BLOWER THRU 3D-34007	3.4000	61
BLOWER EFFECTIVE WITH 3D-34008	3.4000	113
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM (REAR SUMP 17 DEG.)	4.1000B	208
OIL DISTRIBUTION SYSTEM (FRONT SUMP 10 DEG.)	4.1000B	209
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER (REMOTE MOUNTED, THRU SERIAL NO. 3D-667)	4.2000A	115
OIL FILTER (MOUNTED ON OIL COOLER ADAPTOR) EFFECTIVE WITH 3D-668 AND THRU SERIAL NO. 3D-16657	4.2000A	155
OIL FILTER (MOUNTED ON OIL COOLER ADAPTOR) EFFECTIVE WITH 3D-16658	4.2000A	220
OIL FILTER LINES (WITH REMOTE MOUNTED FILTER) THRU SERIAL NO. 3D-667	4.3000A	78
OIL COOLER (MARINE GEAR DIRECT DRIVE)	4.4000A	269
OIL COOLER (MARINE GEAR REDUCTION DRIVE)	4.4000A	254
OIL COOLER (ENGINE OIL)	4.4000A	238
OIL FILLER (ON ROCKER COVER)	4.5000A	18
OIL FILLER (ON FLYWHEEL HOUSING)	4.5000A	51
DIPSTICK	4.6000A	284
OIL PAN	4.7000A	124
VENTILATING SYSTEM (WITH AIR SILENCER MOUNTED TO AIR INLET HOUSING)	4.8000A	319
FRESH WATER PUMP (DIRECT COOLING)	5.1000	45
FRESH WATER PUMP (HEAT EXCHANGER COOLING OR KEEL COOLING)	5.1000	44
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE (HEAT EXCHANGER COOLING OR KEEL COOLING)	5.2000C	139
WATER BY-PASS TUBE (DIRECT COOLING)	5.2000C	147
WATER CONNECTIONS (DIRECT COOLING)	5.3000B	200
WATER CONNECTIONS (HEAT EXCHANGER COOLING)	5.3000B	196
WATER CONNECTIONS (KEEL COOLING)	5.3000B	203
HEAT EXCHANGER COOLING (WITH AIR SILENCER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	291
HEAT EXCHANGER COOLING (WITH AIR CLEANER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	318
KEEL COOLING (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	294

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
RAW WATER PUMP (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.6000A	38
WATER FILTER (HEAT EXCHANGER COOLING OR KEEL COOLING, 15 GAL SYSTEM) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.7000A	12
WATER FILTER (KEEL COOLING, 30 GAL SYSTEM) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.7000A	17
EXHAUST MANIFOLD (WATER COOLED)	6.1000A	125
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR (12V., 25 AMP., NEGATIVE RETURN, DIRECT COOLING)	7.1000A	881
BATTERY CHARGING GENERATOR (12V., 25 AMP., POSITIVE RETURN, DIRECT COOLING)	7.1000A	922
BATTERY CHARGING GENERATOR (12V., 25 AMP., POSITIVE RETURN, WITH HEAT EXCHANGER COOLING)	7.1000A	955
BATTERY CHARGING GENERATOR (12V., 25 AMP., NEGATIVE RETURN, WITH HEAT EXCHANGER COOLING)	7.1000A	956
BATTERY CHARGING GENERATOR (12V., 60 AMP., NEGATIVE RETURN, WITH HEAT EXCHANGER COOLING)	7.1000A	1140
STARTING MOTOR	7.3000A	180
INSTRUMENT PANEL (SINGLE) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	220
INSTRUMENT PANEL (DUAL) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	215
TACHOMETER DRIVE (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	210
TACHOMETER DRIVE (CABLE, 5' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	11
TACHOMETER DRIVE (CABLE, 10' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	47
TACHOMETER DRIVE (CABLE, 15' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	46
ALARM SYSTEM (WITH NO WATER FILTER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000C	354
ALARM SYSTEM (WITH WATER FILTER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000C	355
POWER TAKE-OFF (FRONT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	8.1000A	181
HYDRAULIC MARINE GEAR (DIRECT DRIVE)	9.1000A	550
HYDRAULIC MARINE GEAR (1.5:1 REDUCTION)	9.1000A	552
HYDRAULIC MARINE GEAR (2:1 REDUCTION)	9.1000A	554
HYDRAULIC MARINE GEAR (2.5:1 REDUCTION)	9.1000A	662
HYDRAULIC MARINE GEAR (3:1 REDUCTION)	9.1000A	682
ENGINE MOUNTING (WITH FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	318
ENGINE MOUNTING (WITH FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	421
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	319
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	414
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	473
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	483
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON FLYWHEEL HOUSING)	11.1000A	478
ENGINE MOUNTING (RESILIENT TYPE, NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	499
BILGE PUMP (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.2000A	22
HYDRAULIC STARTER (HEAT EXCHANGER OR KEEL COOLING) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.6000D	101
HYDRAULIC STARTER ACCESSORIES (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.6000E	28

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 3D-108445	1.2000A	53
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-116289	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-116290	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	61
FUEL INJECTOR	2.1000A	74
FUEL PUMP THRU 3D-85494	2.2000	34
FUEL PUMP EFF. WITH 3D-85495	2.2000	136
FUEL FILTER	2.3000A	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 3D-33113	2.5000A	433
FUEL LINES EFF. WITH 3D-33114	2.5000A	1013
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS	2.9000	99
AIR SILENCER	3.2000A	28
AIR INLET HOUSING	3.3000A	232
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	208
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-687	4.2000A	115
OIL FILTER EFF. WITH 3D-688 AND THRU 3D-17557	4.2000A	156
OIL FILTER EFF. WITH 3D-17558	4.2000A	239
OIL FILTER LINES	4.3000A	79
OIL COOLER	4.4000A	270
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	284
OIL PAN	4.7000A	558
VENTILATING SYSTEM	4.8000A	320
FRESH WATER PUMP	5.1000	149
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	381
WATER CONNECTIONS	5.3000B	201
EXHAUST MANIFOLD THRU 3D-66868	6.1000A	125
EXHAUST MANIFOLD EFF. WITH 3D-66869	6.1000A	404
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	1771
STARTING MOTOR	7.3000A	255
HYDRAULIC MARINE GEAR	9.1000A	551
ENGINE MOUNTS	11.1000A	473

DETROIT DIESEL 5-3 MPC ENGINES

5032-6050

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	144
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	53
CRANKSHAFT	1.3000	70
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	325
FLYWHEEL HOUSING	1.5000A	345
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	220
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	61
FUEL INJECTOR	2.1000A	74
FUEL PUMP	2.2000	136
FUEL FILTER	2.3000A	693
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1526
MECHANICAL GOVERNOR	2.7000A	1706
INJECTOR CONTROLS	2.9000	278
AIR SILENCER	3.2000A	28
AIR INLET HOUSING	3.3000A	602
BLOWER	3.4000	278
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	208
OIL PRESSURE REGULATOR	4.1000C	009
OIL FILTER	4.2000A	359
OIL COOLER (MARINE GEAR)	4.4000A	270
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	284
OIL PAN	4.7000A	558
VENTILATING SYSTEM	4.8000A	320
FRESH WATER PUMP	5.1000	149
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	319
WATER CONNECTIONS	5.3000B	199
EXHAUST MANIFOLD	6.1000A	404
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	2020
STARTING MOTOR	7.3000A	312
HYDRAULIC MARINE GEAR	9.1000A	551
ENGINE MOUNTS	11.1000A	473

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET THRU 3D-2047	1.2000A	40
ENGINE LIFTER BRACKET EFF. WITH 3D-2048	1.2000A	53
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 3D-5876	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	29
ROCKER COVER (WITH FILLER AND BREATHER EXTENSION)	1.8000A	61
ROCKER COVER (BREATHER EXTENSION)	1.8000A	72
FUEL INJECTOR THRU 3D-730	2.1000A	47
FUEL INJECTOR EFF. WITH 3D-731	2.1000A	51
FUEL PUMP	2.2000	34
FUEL FILTER	2.3000A	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 3D-667	2.5000A	390
FUEL LINES EFF WITH 3D-668	2.5000A	433
MECHANICAL GOVERNOR (VAR. SPD. CLOSED LINKAGE)	2.7000A	469
MECHANICAL GOVERNOR (VAR. SPD. OPEN LINKAGE)	2.7000A	505
MECHANICAL GOVERNOR (LIM. SPD.)	2.7000A	589
INJECTOR CONTROL TUBE	2.9000	99
THROTTLE CONTROL (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	2.9000A	483
AIR CLEANER (HEAVY DUTY)	3.1000A	199
AIR SILENCER (MTD. ON AIR INLET HOUSING)	3.2000A	28
AIR INLET HOUSING (FOR AIR CLEANER)	3.3000A	139
AIR INLET HOUSING (FOR AIR SILENCER)	3.3000A	232
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM (FRONT SUMP 10 DEG.)	4.1000B	209
OIL DISTRIBUTION SYSTEM (REAR SUMP 17 DEG.)	4.1000B	208
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER (REMOTE MTD.) THRU 3D-687	4.2000A	115
OIL FILTER (MTD. ON OIL COOLER ADAPTOR) EFF WITH 3D-668 AND THRU-3D-17557	4.2000A	156
OIL FILTER (MTD. ON OIL COOLER ADAPTOR) EFF. WITH 3D-17558	4.2000A	239
OIL FILTER LINES (WITH REMOTE MOUNTED FILTER) THRU 3D-687	4.3000A	79
OIL COOLER (MARINE GEAR DIRECT DRIVE)	4.4000A	270
OIL COOLER (MARINE GEAR RED. DRIVE)	4.4000A	271
OIL COOLER (ENGINE OIL)	4.4000A	230
OIL FILLER (ON ROCKER COVER)	4.5000A	18
OIL FILLER (ON FLYWHEEL HOUSING)	4.5000A	51
DIPSTICK	4.6000A	284
OIL PAN	4.7000A	124
VENTILATING SYSTEM (WITH AIR SILENCER MOUNTED ON AIR INLET HOUSING)	4.8000A	320
FRESH WATER PUMP (DIRECT COOLING)	5.1000	46
FRESH WATER PUMP (HEAT EXCHANGER OR KEEL COOLING)	5.1000	47
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE (DIRECT COOLING)	5.2000C	147
WATER BY-PASS TUBE (HEAT EXCHANGER COOLING OR KEEL COOLING)	5.2000C	202
WATER CONNECTIONS (DIRECT COOLING)	5.3000B	201
WATER CONNECTIONS (HEAT EXCHANGER COOLING)	5.3000B	199
WATER CONNECTIONS (KEEL COOLING)	5.3000B	139
HEAT EXCHANGER COOLING (WITH AIR SILENCER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	299
HEAT EXCHANGER COOLING (WITH AIR CLEANER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	368
KEEL COOLING (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	294
RAW WATER PUMP (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.6000A	38
WATER FILTER (HEAT EXCHANGER COOLING OR KEEL COOLING, 15 GAL. SYSTEM) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.7000A	12

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
WATER FILTER (KEEL COOLING, 30 GAL. SYSTEM) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.7000A	17
EXHAUST MANIFOLD (WATER COOLED)	6.1000A	125
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR (12V., 25 AMP. NEGATIVE RETURN) (DIRECT COOLING)	7.1000A	1106
BATTERY CHARGING GENERATOR (12V., 25 AMP. POSITIVE RETURN) (DIRECT COOLING)	7.1000A	1114
BATTERY CHARGING GENERATOR (12V., 25 AMP. POSITIVE RETURN) (WITH HEAT EXCHANGER COOLING)	7.1000A	957
BATTERY CHARGING GENERATOR (12V., 25 AMP. NEGATIVE RETURN) (WITH HEAT EXCHANGER COOLING)	7.1000A	958
BATTERY CHARGING GENERATOR (12V., 60 AMP. NEGATIVE RETURN) (WITH HEAT EXCHANGER COOLING)	7.1000A	1142
STARTING MOTOR	7.3000A	255
INSTRUMENT PANEL (SINGLE) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	220
INSTRUMENT PANEL (DUAL) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	215
TACHOMETER DRIVE (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	292
TACHOMETER DRIVE (CABLE, 5' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000 B	11
TACHOMETER DRIVE (CABLE, 10' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.40 00B	47
TACHOMETER DRIVE (CABLE 15' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000 B	46
ALARM SYSTEM (WITH WATER FILTER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000 C	355
ALARM SYSTEM (WITH NO WATER FILTER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.40 00C	354
POWER TAKE-OFF (FRONT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	8.1000A	181
HYDRAULIC MARINE GEAR (DIRECT DRIVE)	9.1000A	551
HYDRAULIC MARINE GEAR (1.5:1 REDUCTION)	9.1000A	553
HYDRAULIC MARINE GEAR (2:1 REDUCTION)	9.1000A	555
HYDRAULIC MARINE GEAR (2.5:1 REDUCTION)	9.1000A	663
HYDRAULIC MARINE GEAR (3:1 REDUCTION)	9.1000A	674
ENGINE MOUNTS (WITH FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	318
ENGINE MOUNTS (WITH FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.0000A	421
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	319
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	414
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	473
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	483
ENGINE MOUNTING (RESILIENT TYPE, NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	499
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON FLYWHEEL HOUSING)	11.1000A	478
BILGE PUMP (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE)	12.2000A	22
HYDRAULIC STARTER (WITH HEAT EXCHANGER COOLING) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.6000D	103
HYDRAULIC STARTER ACCESSORIES (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.6000E	28

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	53
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	61
FUEL INJECTOR	2.1000A	52
FUEL PUMP THRU 3D-85494	2.2000	34
FUEL PUMP EFF. WITH 3D-85495	2.2000	136
FUEL FILTER	2.3000A	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 3D-33113	2.5000A	433
FUEL LINES EFF. WITH 3D-33114	2.5000A	1013
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS	2.9000	99
AIR SILENCER	3.2000A	28
AIR INLET HOUSING	3.3000A	232
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	208
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-687	4.2000A	115
OIL FILTER EFF. WITH 3D-688 AND THRU 3D-17557	4.2000A	156
OIL FILTER EFF. WITH 3D-17558	4.2000A	239
OIL FILTER LINES	4.3000A	79
OIL COOLER	4.4000A	270
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	284
OIL PAN	4.7000A	558
VENTILATING SYSTEM	4.8000A	320
FRESH WATER PUMP	5.1000	149
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	338
WATER CONNECTIONS	5.3000B	201
EXHAUST MANIFOLD THRU 3D-66868	6.1000A	125
EXHAUST MANIFOLD EFF. WITH 3D-66869	6.1000A	404
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	1106
STARTING MOTOR	7.3000A	255
HYDRAULIC MARINE GEAR	9.1000A	551
ENGINE MOUNTS	11.1000A	473

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GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	185
FUEL INJECTOR	2.1000A	74
FUEL PUMP	2.2000	33
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	360
MECHANICAL GOVERNOR	2.7000A	588
INJECTOR CONTROLS	2.9000	121
BLOWER	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	350
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	38
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD	6.1000A	226
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

DETROIT DIESEL 53 MFC ENGINES

5032-8002 (RD- STBD.)

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	56
AIR BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	51
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	32
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	74
FUEL PUMP	2.2000	47
FUEL FILTER	2.3000A	223
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	491
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	100
AIR SILENCER	3.2000A	28
AIR INLET HOUSING	3.3000A	232
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	221
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	316
OIL FILLER	4.5000A	45
DIPSTICK THRU 3D-34007	4.6000A	186
DIPSTICK EFF. WITH 3D-34008	4.6000A	549
OIL PAN	4.7000A	294
VENTILATING SYSTEM	4.8000A	355
FRESH WATER PUMP	5.1000	61
THERMOSTAT	5.2000B	123
WATER BY-PASS TUBE	5.2000C	207
WATER CONNECTIONS	5.3000B	211
EXHAUST MANIFOLD	6.1000A	125
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	811
STARTING MOTOR	7.3000A	255
HYDRAULIC MARINE GEAR	9.1000A	540
ENGINE MOUNTS	11.1000A	410

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	56
AIR BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	51
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	32
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	52
FUEL PUMP	2.2000	47
FUEL FILTER	2.3000A	223
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	491
MECHANICAL GOVERNORS	2.7000A	596
INJECTOR CONTROLS	2.9000	100
AIR SILENCER	3.2000A	28
AIR INLET HOUSING	3.3000A	232
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	221
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	316
OIL FILLER	4.5000A	45
DIPSTICK	4.6000A	186
OIL PAN	4.7000A	294
VENTILATING SYSTEM	4.8000A	355
FRESH WATER PUMP	5.1000	61
THERMOSTAT	5.2000B	123
WATER BY-PASS TUBE	5.2000C	207
WATER CONNECTIONS	5.3000B	211
HEAT EXCHANGER	5.5000A	321
RAW WATER PUMP	5.6000A	38
EXHAUST MANIFOLD	6.1000A	125
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	811
STARTING MOTOR	7.3000A	255
HYDRAULIC MARINE GEAR	9.1000A	540
ENGINE MOUNTS	11.1000A	410

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	387
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	173
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
FLYWHEEL HOUSING ADAPTOR	1.5000B	•
CONNECTING ROD AND PISTON-STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	169
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 3D-152410	2.9000	100
INJECTOR CONTROLS EFF. WITH 3D-152411 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	281
INJECTOR CONTROLS	2.9000	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-170682	3.4000	113
BLOWER EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	315
BLOWER	3.4000	•
OIL PUMP THRU 3D-186877	4.1000A	49
OIL PUMP EFF. WITH 3D-186878	4.1000A	167
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 3D-186878	4.1000C	9
OIL FILTER STD. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	220
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	238
OIL COOLER (ENGINE)	4.4000A	•
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
ENGINE MOUNTS	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	29
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000	23
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON-STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	32
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	173
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 3D-158374	2.2000	34
FUEL PUMP EFF. WITH 3D-158375 AND THRU 3D-167372	2.2000	136
FUEL PUMP EFF. WITH 3D-167373 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.2000	178
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNORS	2.7000A	•
INJECTOR CONTROLS THRU 3D-152790	2.9000	108
INJECTOR CONTROLS EFF. WITH 3D-152791 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	277
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	316
BLOWER	3.4000	316
OIL PUMP THRU 3D-186877	4.1000A	49
OIL PUMP EFF. WITH 3D-186878	4.1000A	166
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 3D-186878	4.1000C	9
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	175
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-186877	1.3000A	119
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	32
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
BALANCE WEIGHT COVER EFF. WITH 3D-186878	1.7000A	58
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	173
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 3D-158374	2.2000	34
FUEL PUMP EFF. WITH 3D-158375 AND THRU 3D-167372	2.2000	136
FUEL PUMP EFF. WITH 3D-167373	2.2000	178
FUEL FILTER THRU 3D-1615142	2.3000A	157
FUEL FILTER EFF. WITH 3D-1615143	2.3000A	720
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	501
MECHANICAL GOVERNORS	2.7000A	•
INJECTOR CONTROLS THRU 3D-152790	2.9000	108
INJECTOR CONTROLS EFF. WITH 3D-152791	2.9000	277
AIR INLET HOUSING	3.3000A	139
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP THRU 3D-186877	4.1000A	49
OIL PUMP EFF. WITH 3D-186878	4.1000A	166
OIL DISTRIBUTION SYSTEM	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-173980	4.2000A	226
OIL FILTER EFF. WITH 3D-173981	4.2000A	432
OIL COOLER	4.4000A	238
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	267
OIL PAN	4.7000A	537
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD	6.1000A	217
STARTING MOTOR	7.3000A	302

• STANDARD OPTION REFER TO OPTION PLATE.

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	144
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	108
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	131
CRANKSHAFT PULLEY BELT	1.3000D	196
FLYWHEEL	1.4000A	861
FLYWHEEL HOUSING	1.5000A	534
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	53
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	310
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-158374	1.8000	178
FUEL PUMP EFF. WITH 3D-158375	2.2000	167
FUEL FILTER	2.3000A	689
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1520
MECHANICAL GOVERNOR	2.7000A	1707
INJECTOR CONTROLS THRU 3D-152790	2.9000	108
INJECTOR CONTROLS EFF. WITH 3D-152791	2.9000	277
THROTTLE CONTROLS	2.9000A	483
AIR CLEANER	3.1000A	211
AIR INLET HOUSING	3.3000A	595
BLOWER THRU 3D-142864	3.4000	114
BLOWER EFF. WITH 3D-142865	3.4000	278
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	261
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	331
OIL COOLER THRU 3D-165141	4.4000A	230
OIL COOLER EFF. WITH 3D-165142	4.4000A	847
OIL FILLER	4.5000A	122
DIPSTICK	4.6000A	830
OIL PAN	4.7000A	514
VENTILATING SYSTEM	4.8000A	246
FRESH WATER PUMP	5.1000	145
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	1053
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1946
STARTING MOTOR	7.3000A	180
INSTRUMENTS	7.4000A	372
ENGINE MOUNTS	11.1000A	370

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	144
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	175
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	131
CRANKSHAFT PULLEY BELT	1.3000D	196
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	150
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-158374	2.2000	34
FUEL PUMP EFF. WITH 3D-158375 AND THRU 3D-167372	2.2000	136
FUEL PUMP EFF. WITH 3D-167373	2.2000	178
FUEL FILTER	2.3000A	691
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1522
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS THRU 3D-152790	2.9000	108
INJECTOR CONTROLS EFF. WITH 3D-152791	2.9000	277
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	595
BLOWER THRU 3D-142864	3.4000	114
BLOWER EFF. WITH 3D-142865	3.4000	278
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	353
OIL COOLER	4.4000A	848
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	196
FRESH WATER PUMP	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	1053
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1938
STARTING MOTOR	7.3000A	188
INSTRUMENTS	7.4000A	372

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	21
AIR BOX DRAINS	1.1000A	8
CYLINDER HEAD	1.2000	21
ENGINE LIFTER BRACKET	1.2000A	11
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	9
CRANKSHAFT PULLEY	1.3000C	27
FLYWHEEL	1.4000A	63
FLYWHEEL HOUSING	1.5000A	38
CONNECTING ROD AND PISTON	1.6000	6
CAMSHAFT AND GEAR TRAIN	1.7000	3
VALVE OPERATING MECHANISM	1.8000	3
ROCKER COVER	1.8000A	13
FUEL INJECTOR	2.1000A	7
FUEL PUMP	2.2000	14
FUEL FILTER	2.3000A	40
FUEL MANIFOLD CONNECTIONS	2.4000	4
HYDRAULIC GOVERNOR	2.8000A	53
INJECTOR CONTROLS	2.9000	10
THROTTLE CONTROLS	2.9000A	73
AIR INLET HOUSING	3.3000A	33
BLOWER	3.4000	11
OIL PUMP	4.1000A	4
OIL DISTRIBUTION SYSTEM	4.1000B	30
OIL PRESSURE REGULATOR	4.1000C	1
OIL FILTER	4.2000A	13
OIL FILTER LINES	4.3000A	13
OIL COOLER	4.4000A	46
OIL FILLER	4.5000A	8
DIPSTICK	4.6000A	49
OIL PAN	4.7000A	36
VENTILATING SYSTEM	4.8000A	44
FRESH WATER PUMP	5.1000	16
WATER OUTLET MANIFOLD	5.2000A	10
THERMOSTAT	5.2000B	15
WATER BY-PASS TUBE	5.2000C	35
WATER CONNECTIONS	5.3000B	22
EXHAUST MANIFOLD	6.1000A	28
BATTERY CHARGING GENERATOR	7.1000A	136
STARTING MOTOR	7.3000A	27
TACHOMETER DRIVE	7.4000B	39
ENGINE MOUNTS	11.1000A	53
AIR COMPRESSOR	12.4000A	72

DETROIT DIESEL 53 MPC ENGINES

5033-5100

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 3D-13817	1.2000A	30
ENGINE LIFTER BRACKET (USE WITH RADIATOR SHELL & SHORT HOODS)	1.2000A	42
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER (NO AIR COMPRESSOR OR VACUUM PUMP)	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT (1:1 FAN RATIO)	1.3000D	176
CRANKSHAFT PULLEY BELT (1.25:1 FAN RATIO)	1.3000D	91
FLYWHEEL (DELCO POWER GENERATOR)	1.4000A	331
FLYWHEEL (TWIN DISC PTO C110 HP2)	1.4000A	340
FLYWHEEL (TWIN DISC C111 CLUTCH OR ROCKFORD PTA 3120)	1.4000A	325
FLYWHEEL (LIPE ROLLWAY 13 ML CLUTCH)	1.4000A	326
FLYWHEEL (10" CLUTCH)	1.4000A	327
FLYWHEEL (ROCKFORD 14" TT CLUTCH)	1.4000A	328
FLYWHEEL (ALLISON CRT 3331 OR TC 300)	1.4000A	336
FLYWHEEL (10" CLUTCH)	1.4000A	296
FLYWHEEL (8" CLUTCH)	1.4000A	297
FLYWHEEL (10" CLUTCH, DETROIT DIESEL PTO)	1.4000A	305
FLYWHEEL (ROCKFORD 11 TT CLUTCH)	1.4000A	324
FLYWHEEL HOUSING	1.5000A	177
FLYWHEEL HOUSING	1.5000A	345
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	32
ACCESSORY DRIVE (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	1.7000B	60
VALVE OPERATING MECHANISM	1.8000	29
ROCKER COVER (PLAIN)	1.8000A	38
ROCKER COVER (WITH OIL FILLER HOLE)	1.8000A	39
FUEL INJECTOR	2.1000A	51
FUEL INJECTOR	2.1000A	52
FUEL PUMP	2.2000	34
FUEL FILTER (WITH ENGINE OIL COOLER)	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES (WITH ENGINE OIL COOLER)	2.5000A	413
FUEL LINES (FUEL CHECK VALVE 1/4" INLET) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	2.5000A	766
MECHANICAL GOVERNOR (VARIABLE SPEED, CLOSED LINKAGE)	2.7000A	600
MECHANICAL GOVERNOR (VARIABLE SPEED, OPEN LINKAGE)	2.7000A	505
MECHANICAL GOVERNOR (LIMITING SPEED)	2.7000A	589
INJECTOR CONTROL TUBE	2.9000	108
THROTTLE CONTROLS (VARIABLE SPEED, CLOSED LINKAGE)	2.9000A	603
THROTTLE CONTROLS (VARIABLE SPEED, OPEN LINKAGE)	2.9000A	504
AIR CLEANER (HEAVY DUTY, REMOTE MOUNTED) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	3.1000A	151
AIR CLEANER (LIGHT DUTY, REMOTE MOUNTED) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	3.1000A	197
AIR CLEANER (LIGHT DUTY, DIRECT MOUNTED) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	3.1000A	274
AIR INLET HOUSING (MANUAL SHUTDOWN, REMOTE MOUNTED AIR CLEANER)	3.3000A	139
AIR INLET HOUSING (MANUAL SHUTDOWN, DIRECT MOUNTED AIR CLEANER)	3.3000A	161
AIR INLET HOUSING (AUTOMATIC SHUTDOWN, RESET LEVER, REMOTE MOUNTED AIR CLEANER)	3.3000A	171
BLOWER	3.4000	60
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM (10 DEG. OPERATION)	4.1000B	235
OIL DISTRIBUTION SYSTEM (20 DEG. OPERATION) (OPTIONAL EQUIP. EFF. WITH 3D-883 STANDARD EQUIP. NOT SHOWN ON OPTION PLATE PRIOR TO THIS SERIAL NUMBER.)	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER (MOUNTED ON OIL COOLER ADAPTOR)	4.2000A	226
OIL FILTER (REMOTE MOUNTED)	4.2000A	134
OIL FILTER LINES (ADAPTOR ONLY)	4.3000A	131
OIL COOLER (ENGINE OIL)	4.4000A	230
OIL COOLER (ENGINE AND TORQUE CONVERTER OIL)	4.4000A	277
OIL FILLER (ON ROCKER COVER)	4.5000A	18
OIL FILLER (ON BREATHER)	4.5000A	44

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
DIPSTICK (10 DEG. OPERATION, STAMPED PAN) (RING TYPE)	4.6000A	253
DIPSTICK (20 DEG. OPERATION, CAST PAN) (RING TYPE)	4.6000A	267
OIL PAN (10 DEG. OPERATION)	4.7000A	251
OIL PAN (PLAIN) (20 DEG. OPERATION)	4.7000A	108
VENTILATING SYSTEM (PLAIN)	4.8000A	196
VENTILATING SYSTEM (WITH OIL FILLER)	4.8000A	222
FRESH WATER PUMP	5.1000	38
WATER OUTLET ELBOW (VERTICAL OUTLET)	5.2000A	67
WATER OUTLET ELBOW (HORIZONTAL OUTLET)	5.2000A	70
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
RADIATOR (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.3000A	100
RADIATOR (WITH SHORT HOOD) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.3000A	80
WATER CONNECTIONS (WITH MANUAL OR NO SHUTDOWN) (WITH RADIATOR CONNECTIONS)	5.3000B	135
WATER CONNECTIONS (WITH MANUAL OR NO SHUTDOWN) (NO RADIATOR CONNECTIONS)	5.3000B	117
WATER CONNECTIONS (WITH MECHANICAL SHUTDOWN) (WITH RADIATOR CONNECTIONS)	5.3000B	136
WATER CONNECTIONS (WITH MECHANICAL SHUTDOWN) (NO RADIATOR CONNECTIONS)	5.3000B	122
FAN (SUCTION, 22" - 5 BLADE, 1:1 RATIO)	5.4000A	276
FAN (BLOWER, 22" - 5 BLADE, 1:1 RATIO)	5.4000A	280
FAN (SUCTION 18" - 5 BLADE, 1.25:1 RATIO)	5.4000A	281
FAN (BLOWER, 18" - 6 BLADE, 1.25:1 RATIO)	5.4000A	282
EXHAUST MANIFOLD (WITH MANUAL OR NO SHUTDOWN)	6.1000A	217
EXHAUST MANIFOLD (VERTICAL CENTER OUTLET WITH MECHANICAL SHUTDOWN)	6.1000A	211
EXHAUST MANIFOLD (HORIZONTAL REAR OUTLET WITH MANUAL OR NO SHUTDOWN)	6.1000A	226
EXHAUST MUFFLER CONNECTIONS (3" PIPE THREAD)	6.2000A	234
EXHAUST MUFFLER CONNECTIONS (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	6.2000A	175
BATTERY CHARGING GENERATOR (12V., 25 AMP.)	7.1000A	816
STARTING MOTOR	7.3000A	255
INSTRUMENTS (TACHOMETER ONLY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	390
INSTRUMENT PANEL (5' CAPILLARY TUBE)	7.4000A	372
INSTRUMENT PANEL (10' CAPILLARY TUBE)	7.4000A	373
INSTRUMENT PANEL (15' CAPILLARY TUBE)	7.4000A	374
TACHOMETER DRIVE (DRIVEN FROM BALANCER SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	189
TACHOMETER DRIVE (DRIVEN FROM GOVERNOR SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	181
TACHOMETER DRIVE (DRIVEN FROM BALANCER SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	199
TACHOMETER DRIVE (DRIVEN FROM BALANCER SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	201
MECHANICAL AUTOMATIC SHUTDOWN (WITHOUT OVERSPEED GOVERNOR) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000C	392
OVERSPEED GOVERNOR (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000C	635
POWER TAKE-OFF (SAE #4, 10" CLUTCH) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	8.1000A	180
ENGINE HOOD	10.1000A	NONE
ENGINE MOUNTING (TRUNNION MOUNTING, WITH CONE DRIVEN CRANKSHAFT PULLEY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	11.1000A	430
ENGINE MOUNTING (TRUNNION MOUNTING WITH SOLID DRIVE CRANKSHAFT PULLEY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	11.1000A	446
ENGINE MOUNTING (FRONT ONLY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	11.1000A	306
COLD WEATHER STARTING AID (CAPSULE TYPE) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.6000C	3

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-122664	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 3D-349	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON THRU 3D-145885	1.6000	26
CONNECTING ROD AND PISTON EFF. WITH 3D-145886	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	32
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
VALVE OPERATING MECHANISM THRU 3D-162358	1.8000	29
VALVE OPERATING MECHANISM EFF. WITH 3D-162359 AND THRU 3D-170682	1.8000	193
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	168
ROCKER COVER	1.8000A	39
FUEL INJECTOR STD. EQUIP. PRIOR TO 3D-210	2.1000A	40
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-85494	2.2000	34
FUEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000	136
FUEL PUMP EFF. WITH 3D-158375	2.2000	178
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	416
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS THRU 3D-152790	2.9000	108
INJECTOR CONTROLS EFF. WITH 3D-152791	2.9000	277
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	595
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170653	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 3D-136	4.1000B	235
OIL DISTRIBUTION SYSTEM	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	238
OIL FILLER	4.5000A	18
DIPSTICK STD. EQUIP. PRIOR TO 3D-661	4.6000A	107
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	196
FRESH WATER PUMP STD. EQUIP. PRIOR TO 3D-437708	5.1000	146
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	2062
STARTING MOTOR	7.3000A	188
INSTRUMENTS	7.4000A	372

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	112
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET	1.2000A	42
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-126481	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-126482	1.3000A	119
FLYWHEEL	1.4000A	559
FLYWHEEL HOUSING	1.5000A	312
CONNECTING ROD AND PISTON THRU 3D-145885	1.6000	26
CONNECTING ROD AND PISTON EFF. WITH 3D-145886	1.6000	81
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	32
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
VALVE OPERATING MECHANISM THRU 3D-162358	1.8000	29
VALVE OPERATING MECHANISM EFF. WITH 3D-162359 AND THRU 3D-170682	1.8000	193
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	168
ROCKER COVER	1.8000A	38
FUEL INJECTOR N35	2.1000A	138
FUEL PUMP THRU 3D-85494	2.2000	34
FUEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000	136
FUEL PUMP EFF. WITH 3D-158375	2.2000	178
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	501
FUEL LINE CHECK VALVE	2.5000A	766
MECHANICAL GOVERNOR STD. EQUIP. PRIOR TO 3D-103684	2.7000A	1707
INJECTOR CONTROLS THRU 3D-152790	2.9000	108
INJECTOR CONTROLS EFF. WITH 3D-152791	2.9000	278
AIR INLET HOUSING THRU 3D-152975	3.3000A	139
AIR INLET HOUSING EFF. WITH 3D-152976 (STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE)	3.3000A	595
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	44
DIPSTICK	4.6000A	267
OIL PAN	4.7000A	537
VENTILATING SYSTEM STD. EQUIP. PRIOR TO 3D-103684	4.8000A	222
FRESH WATER PUMP	5.1000	146
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD	6.1000A	217
STARTING MOTOR THRU 3D-137562	7.3000A	188
STARTING MOTOR EFF. WITH 3D-137563	7.3000A	302

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	32
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	92
FLYWHEEL	1.4000A	327
FLYWHEEL HOUSING	1.5000A	175
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	32
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	40
FUEL PUMP	2.2000	34
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	413
MECHANICAL GOVERNOR	2.7000A	466
INJECTOR CONTROLS	2.9000	108
AIR INLET HOUSING	3.3000A	139
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	109
OIL FILTER LINES	4.3000A	98
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	107
OIL PAN	4.7000A	108
VENTILATING SYSTEM	4.8000A	196
FRESH WATER PUMP	5.1000	38
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	590
STARTING MOTOR	7.3000A	255

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 3D-115973 AND THRU 3D-122664	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 3D-965	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	32
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	173
ROCKER COVER	1.8000A	39
FUEL INJECTOR THRU 3D-209	2.1000A	40
FUEL INJECTOR EFF. WITH 3D-210. STD. EQUIP. PRIOR TO 3D-2692	2.1000A	52
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-85494	2.2000	34
FUEL PUMP EFF. WITH 3D-85495	2.2000	136
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	416
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS THRU 3D-152790	2.9000	108
INJECTOR CONTROLS EFF. WITH 3D-152791	2.9000	277
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	595
BLOWER THRU 3D-34007	3.4000	80
BLOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 3D-136	4.1000B	235
OIL DISTRIBUTION SYSTEM	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	238
OIL FILLER	4.5000A	18
DIPSTICK STD. EQUIP. PRIOR TO 3D-652	4.6000A	107
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	196
FRESH WATER PUMP STD. EQUIP. PRIOR TO 3D-43778	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	2062
STARTING MOTOR	7.3000A	302
INSTRUMENTS	7.4000A	372

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 3D-80124	1.1000	82
CYLINDER BLOCK EFF. WITH 3D-80125	1.1000	83
AIR BOX DRAINS	1.1000A	81
CYLINDER HEAD	1.2000	75
ENGINE LIFTER BRACKET	1.2000A	111
CRANKSHAFT	1.3000	41
CRANKSHAFT FRONT COVER	1.3000A	93
CRANKSHAFT PULLEY	1.3000C	275
FLYWHEEL	1.4000A	637
FLYWHEEL HOUSING	1.5000A	386
CONNECTING ROD AND PISTON	1.6000	80
CAMSHAFT AND GEAR TRAIN	1.7000	74
VALVE OPERATING MECHANISM	1.8000	57
ROCKER COVER	1.8000A	132
FUEL INJECTOR	2.1000A	87
FUEL PUMP	2.2000	96
FUEL PUMP AUXILIARY	2.2000	58
FUEL FILTER	2.3000A	403
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	853
MECHANICAL GOVERNOR	2.7000A	868
INJECTOR CONTROLS	2.9000	108
THROTTLE CONTROLS	2.9000A	732
AIR INLET HOUSING	3.3000A	332
BLOWER	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	308
OIL PRESSURE REGULATOR	4.1000C	12
OIL FILTER	4.2000A	130
OIL FILTER LINES	4.3000A	131
OIL COOLER	4.4000A	466
OIL FILLER	4.5000A	86
DIPSTICK	4.6000A	492
OIL PAN	4.7000A	367
VENTILATING SYSTEM	4.8000A	440
FRESH WATER PUMP	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	108
THERMOSTAT	5.2000B	157
WATER BY-PASS TUBE	5.2000C	355
WATER CONNECTIONS	5.3000B	223
EXHAUST MANIFOLD	6.1000A	288
BATTERY CHARGING GENERATOR	7.1000A	1363
STARTING MOTOR	7.3000A	272
TACHOMETER DRIVE	7.4000B	396
ENGINE MOUNTS	11.1000A	532
AIR COMPRESSOR	12.4000A	495
HYDRAULIC PUMP	12.5000A	109

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
FLYWHEEL HOUSING ADAPTOR	1.5000B	•
CONNECTING ROD AND PISTON-STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	169
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	74
FUEL PUMP THRU 3D-85494	2.2000	34
FUEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000	136
FUEL PUMP EFF. WITH 3D-158375	2.2000	178
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 3D-153027	2.9000	99
INJECTOR CONTROLS EFF. WITH 3D-153028	2.9000	278
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	316
BLOWER	3.4000	•
OIL PUMP THRU 3D-186877	4.1000A	49
OIL PUMP EFF. WITH 3D-186878 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	166
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	239
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	230
OIL COOLER (ENGINE)	4.4000A	•
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
ENGINE MOUNTS	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	63
AIR BOX DRAINS	1.1000A	98
CYLINDER HEAD	1.2000	62
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 3D-190557	1.2000A	117
CRANKSHAFT	1.3000	35
CRANKSHAFT FRONT COVER THRU 3D-186877	1.3000A	82
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 3D-184934	1.3000C	236
FLYWHEEL	1.4000A	714
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO 3D-190557	1.5000A	407
CONNECTING ROD AND PISTON-STD. EQUIP. PRIOR TO 3D-185417	1.6000	67
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	96
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	278
BALANCE WEIGHT COVER EFF. WITH 3D-186878	1.7000A	52
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	76
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	192
ROCKER COVER STD. EQUIP. PRIOR TO 3D-190557	1.8000A	114
FUEL INJECTOR THRU 3D-78962	2.1000A	87
FUEL INJECTOR EFF. WITH 3D-78963, STD. EQUIP. PRIOR TO 3D-93702	2.1000A	74
FUEL PUMP THRU 3D-85494	2.2000	70
FUEL PUMP EFF. WITH 3D-85495 AND THRU 4D-163133	2.2000	145
FUEL PUMP EFF. WITH 4D-163134	2.2000	185
FUEL FILTER STD. EQUIP. PRIOR TO 3D-190557	2.3000A	357
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES STD. EQUIP. PRIOR TO 3D-190557	2.5000A	779
MECHANICAL GOVERNOR STD. EQUIP. PRIOR TO 3D-93702	2.7000A	1691
INJECTOR CONTROLS THRU 3D-153026	2.8000	99
INJECTOR CONTROLS EFF. WITH 3D-153027; STD. EQUIP. PRIOR TO 3D-190557	2.9000	278
THROTTLE CONTROLS STD. EQUIP. PRIOR TO 3D-165142	2.9000A	785
BLOWER THRU 3D-170682	3.4000	130
BLOWER EFF. WITH 3D-170683; STD. EQUIP. PRIOR TO 3D-190557	3.4000	324
OIL PUMP	4.1000A	106
OIL DISTRIBUTION SYSTEM THRU 3D-81923	4.1000B	353
OIL DISTRIBUTION SYSTEM EFF. WITH 3D-81924 STD. EQUIP. PRIOR TO 3D-190557	4.1000B	411
OIL FILTER STD. EQUIP. PRIOR TO 3D-190557	4.2000A	284
OIL COOLER STD. EQUIP. PRIOR TO 3D-190557	4.4000A	578
OIL FILLER STD. EQUIP. PRIOR TO 3D-190557	4.5000A	74
DIPSTICK STD. EQUIP. PRIOR TO 3D-190128	4.6000A	532
OIL PAN THRU 3D-81923	4.7000A	508
OIL PAN EFF. WITH 3D-81924; STD. EQUIP. PRIOR TO 3D-190557	4.7000A	594
FRESH WATER PUMP	5.1000	138
WATER OUTLET MANIFOLD STD. EQUIP. PRIOR TO 3D-190557	5.2000A	100
THERMOSTAT STD. EQUIP. PRIOR TO 3D-190557	5.2000B	136
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 3D-190557	5.2000C	300
WATER CONNECTIONS STD. EQUIP. PRIOR TO 3D-190557	5.3000B	223
FAN	5.4000A	906
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 3D-190557	6.1000A	255
STARTING MOTOR THRU 3D-143080	7.3000A	243
STARTING MOTOR EFF. WITH 3D-143081 STD. EQUIP. PRIOR TO 3D-165142	7.3000A	303
STARTING MOTOR	7.3000A	307
AIR HEATER STD. EQUIP. PRIOR TO 3D-190557	7.8000A	168

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-154535	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-154536 AND THRU 3D-170682	1.7000	220
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	169
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 3D-151863	2.9000	121
INJECTOR CONTROLS EFF. WITH 3D-151864	2.9000	279
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	316
BLOWER	3.4000	•
OIL PUMP THRU 3D-186877	4.1000A	49
OIL PUMP EFF. WITH 3D-186878	4.1000A	166
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 3D-186878	4.1000C	9
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-154536	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-154536 AND THRU 3D-170682	1.7000	220
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	265
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	169
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.2000	127
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 3D-151863	2.9000	121
INJECTOR CONTROLS EFF. WITH 3D-151864, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	279
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	316
BLOWER	3.4000	•
OIL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	49
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	220
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	169
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
HYDRAULIC GOVERNOR	2.8000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683; STD. EQUIP. PRIOR TO 3D-190557	3.4000	316
OIL PUMP THRU 3D-186877	4.1000A	49
OIL PUMP EFF. WITH 3D-186878	4.1000A	166
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 3D-186878	4.1000C	9
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	29
CYLINDER BLOCK	1.1000	•
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET THRU 3D-122814	1.2000A	30
ENGINE LIFTER BRACKET EFF. WITH 3D-122815	1.2000A	175
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-126481	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-126482 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	119
CRANKSHAFT FRONT COVER	1.3000A	•
FLYWHEEL STD. EQUIP. THRU 3D-97177	1.4000A	296
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	169
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER THRU 3D-166784	2.3000A	157
FUEL FILTER EFF. WITH 3D-166785	2.3000A	720
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	499
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 3D-151863	2.9000	121
INJECTOR CONTROLS EFF. WITH 3D-151864	2.9000	279
AIR INLET HOUSING THRU 3D-152975	3.3000A	140
AIR INLET HOUSING EFF. WITH 3D-152976 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.3000A	595
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	316
BLOWER	3.4000	•
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 3D-102712	4.1000B	49
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-173980	4.2000A	226
OIL FILTER EFF. WITH 3D-173981	4.2000A	432
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK STD. EQUIP. PRIOR TO 3D-102712	4.6000A	•
OIL PAN STD. EQUIP. PRIOR TO 3D-102712	4.7000A	•
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	145
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD	6.1000A	217
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

DETROIT DIESEL 53 MPC ENGINES

5033-7030

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	116
FLYWHEEL	1.4000A	599
FLYWHEEL HOUSING	1.5000A	343
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	74
FUEL PUMP	2.2000	33
FUEL FILTER	2.3000A	346
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	745
MECHANICAL GOVERNOR	2.7000A	588
INJECTOR CONTROLS	2.9000	121
AIR INLET HOUSING	3.3000A	139
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	292
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	276
DIPSTICK	4.6000A	267
OIL PAN	4.7000A	154
VENTILATING SYSTEM	4.8000A	400
FRESH WATER PUMP	5.1000	39
WATER OUTLET ELBOW	5.2000A	99
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	373
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR MOUNTS	7.1000A	1205
TACHOMETER DRIVE	7.4000B	280
ENGINE MOUNTS	11.1000A	501
AIR COMPRESSOR	12.4000A	422

• STANDARD OPTION REFER TO OPTION PLATE.

DETROIT DIESEL 53 MPC ENGINES

5033-7032

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	29
CYLINDER BLOCK	1.1000	•
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	116
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-186877	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000C	111
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000D	176
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.4000A	744
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	454
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	300
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	265
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER EFF. WITH 3D-186878 AND THRU 3D-197863	1.7000A	58
BALANCE WEIGHT COVER EFF. WITH 197864	1.7000A	53
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	185
VALVE OPERATING MECHANISM EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	175
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	38
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 3D-158374	2.2000	152
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL PUMP AUXILIARY	2.2000	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
HYDRAULIC GOVERNOR	2.8000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	223
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000A	856
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.3000A	513
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	316
BLOWER	3.4000	•
OIL PUMP THRU 3D-186877	4.1000A	49
OIL PUMP EFF. WITH 3D-186878	4.1000A	166
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	430
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-173980	4.2000A	314
OIL FILTER	4.2000A	•
OIL FILTER EFF. WITH 3D-173981 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	435
OIL COOLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	230
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.6000A	777
DIPSTICK	4.6000A	•
OIL PAN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	627
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.1000	151
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000A	67
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	382
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	117
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	211
EXHAUST MANIFOLD	6.1000A	•
STARTING MOTOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.3000A	299
STARTING MOTOR	7.3000A	•
SHUT-OFF OR ALARM SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.4000C	918
SHUT-OFF OR ALARM SYSTEM	7.4000C	•
• STANDARD OPTION REFER TO OPTION PLATE.		

DETROIT DIESEL 53 MPC ENGINES

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	144
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	46
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
FLYWHEEL	1.4000A	861
FLYWHEEL HOUSING	1.5000A	534
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	151
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	61
FUEL INJECTOR	2.1000A	76
FUEL PUMP	2.2000	127
FUEL FILTER	2.3000A	188
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	424
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	121
AIR INLET HOUSING	3.3000A	140
BLOWER	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	261
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	332
OIL COOLER	4.4000A	238
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	297
OIL PAN	4.7000A	514
VENTILATING SYSTEM	4.8000A	715
FRESH WATER PUMP	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	102
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	1041
EXHAUST MANIFOLD	6.1000A	217
BATTERY CHARGING GENERATOR	7.1000A	1947
STARTING MOTOR	7.3000A	180
TACHOMETER DRIVE	7.4000B	226

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	191
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	175
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	178
CRANKSHAFT PULLEY BELT	1.3000D	161
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	220
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	76
FUEL PUMP	2.2000	127
FUEL FILTER	2.3000A	690
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1521
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	279
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	595
BLOWER	3.4000	307
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	292
OIL PRESSURE REGULATOR	4.1000C	009
OIL FILTER	4.2000A	353
OIL COOLER	4.4000A	847
OIL FILLER	4.5000A	44
DIPSTICK	4.6000A	271
OIL PAN	4.7000A	537
VENTILATING SYSTEM	4.8000A	197
FRESH WATER PUMP	5.1000	145
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	510
EXHAUST MANIFOLD	6.1000A	411
EXHAUST MUFFLER CONNECTIONS	6.2000A	283
BATTERY CHARGING GENERATOR	7.1000A	2061
STARTING MOTOR	7.3000A	306

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	78
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	175
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-133641	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-133642 AND THRU 3D-186877	1.3000A	125
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 3D-183686	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	229
FLYWHEEL	1.4000A	493
FLYWHEEL HOUSING	1.5000A	647
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO 3D-185417	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	266
BALANCE WEIGHT COVER EFF. WITH 3D-186878 AND THRU 3D-197863	1.7000A	60
BALANCE WEIGHT COVER EFF. WITH 3D-197864	1.7000A	53
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	174
ROCKER COVER	1.8000A	61
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-158374	2.2000	152
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	403
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	853
MECHANICAL GOVERNOR	2.7000A	1708
INJECTOR CONTROLS THRU 3D-151863	2.9000	121
INJECTOR CONTROLS EFF. WITH 3D-151864; STD. EQUIP. PRIOR TO 3D-190557	2.9000	279
THROTTLE CONTROLS	2.9000A	595
AIR CLEANER ADAPTOR STD. EQUIP. PRIOR TO 3D-112976	3.1000A	211
AIR CLEANER ADAPTOR	3.1000A	374
AIR INLET HOUSING	3.3000A	595
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683; STD. EQUIP. PRIOR TO 3D-190557	3.4000	316
OIL PUMP THRU 3D-186877	4.1000A	49
OIL PUMP EFF. WITH 3D-186878	4.1000A	166
OIL DISTRIBUTION SYSTEM	4.1000B	390
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	130
OIL FILTER LINES	4.3000A	131
OIL COOLER	4.4000A	559
OIL FILLER, CAP	4.5000A	18
DIPSTICK	4.6000A	690
OIL PAN	4.7000A	514
FRESH WATER PUMP	5.1000	180
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT STD. EQUIP. PRIOR TO 3D-190709	5.2000B	72
WATER BY-PASS TUBE	5.2000C	346
WATER CONNECTIONS	5.3000B	278
FAN	5.4000A	637
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1734
STARTING MOTOR	7.3000A	298
POWER TAKE-OFF	8.1000A	271
ENGINE MOUNTS	11.1000A	430
COLD WEATHER STARTING AID	12.6000C	56

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 3D-65049	1.2000A	41
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 3D-167 AND THRU 3D-122664	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 3D-965	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON THRU 3D-145885	1.6000	26
CONNECTING ROD AND PISTON EFF. WITH 3D-145886	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
VALVE OPERATING MECHANISM THRU 3D-154535	1.8000	29
VALVE OPERATING MECHANISM EFF. WITH 3D-154536 AND THRU 3D-170682	1.8000	189
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	168
ROCKER COVER	1.8000A	39
FUEL INJECTOR STD. EQUIP. PRIOR TO 3D-210	2.1000A	40
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER STD. EQUIP. PRIOR TO 3D-065	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES STD. EQUIP. PRIOR TO 3D-065	2.5000A	360
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 3D-151863	2.9000	121
INJECTOR CONTROLS EFF. WITH 3D-151864	2.9000	279
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	272
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 3D-136	4.1000B	169
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER STD. EQUIP. PRIOR TO 3D-022	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK STD. EQUIP. PRIOR TO 3D-065	4.6000A	107
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	196
FRESH WATER PUMP STD. EQUIP. PRIOR TO 3D-65049	5.1000	38
WATER OUTLET MANIFOLD STD. EQUIP. PRIOR TO 3D-65049	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 3D-65049	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	2061
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

DETROIT DIESEL 53 MPC ENGINES

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
FLYWHEEL	1.4000A	348
FLYWHEEL HOUSING	1.5000A	177
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	29
ROCKER COVER	1.8000A	38
FUEL INJECTOR THRU 3D-730	2.1000A	40
FUEL INJECTOR EFF. WITH 3D-731	2.1000A	52
FUEL PUMP	2.2000	33
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	360
MECHANICAL GOVERNOR	2.7000A	468
INJECTOR CONTROLS	2.9000	89
THROTTLE CONTROLS	2.9000A	538
AIR INLET HOUSING	3.3000A	140
BLOWER 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-481	4.2000A	108
OIL FILTER EFF. WITH 3D-482	4.2000A	109
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	44
DIPSTICK	4.6000A	107
OIL PAN	4.7000A	108
VENTILATING SYSTEM	4.8000A	197
FRESH WATER PUMP	5.1000	38
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	281
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	115
BATTERY CHARGING GENERATOR PULLEY	7.1000A	369
ENGINE MOUNTS	11.1000A	306

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	55
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET	1.2000A	145
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	331
FLYWHEEL HOUSING	1.5000A	357
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
ACCESSORY DRIVE	1.7000B	61
VALVE OPERATING MECHANISM	1.8000	29
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	56
FUEL PUMP	2.2000	46
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	611
INJECTOR CONTROLS	2.9000	121
AIR INLET HOUSING	3.3000A	290
BLOWER	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	401
DIPSTICK	4.6000A	422
OIL PAN	4.7000A	328
VENTILATING SYSTEM	4.8000A	196
FRESH WATER PUMP	5.1000	83
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	133
WATER BY-PASS TUBE	5.2000C	200
WATER CONNECTIONS	5.3000B	135
FAN	5.4000A	280
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1117
STARTING MOTOR	7.3000A	212

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-122664	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	178
FLYWHEEL	1.4000A	331
FLYWHEEL HOUSING	1.5000A	357
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
VALVE OPERATING MECHANISM THRU 3D-154535	1.8000	29
VALVE OPERATING MECHANISM EFF. WITH 3D-154536 AND THRU 3D-170682	1.8000	189
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	168
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	360
HYDRAULIC GOVERNOR	2.8000A	998
INJECTOR CONTROLS	2.9000	121
AIR INLET HOUSING	3.3000A	272
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	152
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	325
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	280
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

DETROIT DIESEL 53 MPC ENGINES

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-126481	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-126482	1.3000A	119
FLYWHEEL STD. EQUIP. PRIOR TO 3D-97177	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM THRU 3D-154535	1.8000	29
VALVE OPERATING MECHANISM EFF. WITH 3D-154536 AND THRU 3D-170682	1.8000	189
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	168
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	75
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	499
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 3D-151863	2.9000	121
INJECTOR CONTROLS EFF. WITH 3D-151864	2.9000	279
AIR INLET HOUSING THRU 3D-152975	3.3000A	140
AIR INLET HOUSING EFF. WITH 3D-152976 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE ..	3.3000A	595
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	145
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD	6.1000A	217
STARTING MOTOR	7.3000A	174

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	122
ENGINE LIFTER BRACKET	1.2000A	148
CRANKSHAFT	1.3000	41
CRANKSHAFT FRONT COVER THRU 3D-122664	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	744
FLYWHEEL HOUSING	1.5000A	454
CONNECTING ROD AND PISTON	1.6000	81
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
VALVE OPERATING MECHANISM THRU 3D-154535	1.8000	29
VALVE OPERATING MECHANISM EFF. WITH 3D-154536 AND THRU 3D-170682	1.8000	190
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	170
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-158374	2.2000	152
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL PUMP AUXILIARY	2.2000	164
FUEL MANIFOLD CONNECTIONS	2.4000	48
HYDRAULIC GOVERNOR	2.8000A	1051
INJECTOR CONTROLS	2.9000	223
THROTTLE CONTROLS	2.9000A	856
AIR INLET HOUSING	3.3000A	513
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	430
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	314
OIL COOLER	4.4000A	230
OIL FILLER STD. EQUIP. PRIOR TO 3D-103309	4.5000A	50
DIPSTICK	4.6000A	777
OIL PAN	4.7000A	627
VENTILATING SYSTEM	4.8000A	675
FRESH WATER PUMP	5.1000	151
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	382
WATER CONNECTIONS	5.3000B	117
FAN STD. EQUIP. PRIOR TO 3D-136466	5.4000A	280
EXHAUST MANIFOLD	6.1000A	211
STARTING MOTOR	7.3000A	299
AUTOMATIC SHUTDOWN	7.4000C	918

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 3D-65049	1.2000A	41
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 3D-115972 AND THRU 3D-122664	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	169
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	455
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 3D-151863	2.9000	121
INJECTOR CONTROLS EFF. WITH 3D-151864	2.9000	279
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	595
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	238
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP STD. EQUIP. PRIOR TO 3D-65049	5.1000	146
WATER OUTLET MANIFOLD STD. EQUIP. PRIOR TO 3D-65049	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 3D-65049	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	2064
STARTING MOTOR	7.3000A	302

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 3D-115972 AND THRU 3D-122664	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	169
ROCKER COVER	1.8000A	39
FUEL INJECTOR STD. EQUIP. PRIOR TO 3D-731	2.1000A	52
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	360
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 3D-151863	2.9000	121
INJECTOR CONTROLS EFF. WITH 3D-151864	2.9000	279
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	595
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 3D-760	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK STD. EQUIP. PRIOR TO 3D-498	4.6000A	107
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	145
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	318
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	2061
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	83
AIR BOX DRAINS	1.1000A	78
CYLINDER HEAD	1.2000	75
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	41
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	131
CRANKSHAFT PULLEY BELT	1.3000D	229
FLYWHEEL	1.4000A	493
FLYWHEEL HOUSING	1.5000A	344
CONNECTING ROD AND PISTON	1.6000	80
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	42
ROCKER COVER	1.8000A	61
FUEL INJECTOR	2.1000A	94
FUEL PUMP THRU 3D-85494	2.2000	75
FUEL PUMP EFF. WITH 3D-85495	2.2000	158
FUEL PUMP AUXILIARY	2.2000	58
FUEL FILTER	2.3000A	403
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	853
MECHANICAL GOVERNOR	2.7000A	1122
INJECTOR CONTROLS	2.9000	121
THROTTLE CONTROLS	2.9000A	595
AIR CLEANER	3.1000A	211
AIR INLET HOUSING	3.3000A	140
BLOWER	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	390
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	130
OIL FILTER LINES	4.3000A	131
OIL COOLER THRU 3D-61896	4.4000A	60
OIL COOLER EFF. WITH 3D-61897	4.4000A	559
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	690
OIL PAN	4.7000A	514
FRESH WATER PUMP	5.1000	146
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	278
FAN	5.4000A	637
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1642
STARTING MOTOR 12V.	7.3000A	243
TACHOMETER DRIVE	7.4000B	508
POWER TAKE-OFF	8.1000A	271
ENGINE MOUNTS	11.1000A	430
COLD WEATHER STARTING AID	12.6000C	45

DETROIT DIESEL 53 MPC ENGINES

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	175
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	119
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	32
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	173
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	74
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	177
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	NONE
MECHANICAL GOVERNOR	2.7000A	1710
INJECTOR CONTROLS THRU 3D-152410	2.9000	100
INJECTOR CONTROLS EFF. WITH 3D-152411	2.9000	281
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILTER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	558
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	145
WATER OUTLET ELBOW	5.2000A	102
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	135
STARTING MOTOR	7.3000A	174
TACHOMETER DRIVE	7.4000B	280
HYDRAULIC MARINE GEAR	9.1000A	926
ENGINE MOUNTS THRU 3D-156458	11.1000A	499
ENGINE MOUNTS EFF. WITH 3D-156459	11.1000A	506

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 3D-13817	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	32
VALVE OPERATING MECHANISM	1.8000	29
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	52
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495	2.2000	127
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	533
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	100
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	158
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN (10 DEG. INCLINATION)	4.7000A	584
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP STD. EQUIP. PRIOR TO 3D-65049	5.1000	38
WATER OUTLET MANIFOLD STD. EQUIP. PRIOR TO 3D-65049	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 3D-65049	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1779
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	189
CYLINDER BLOCK	1.1000	•
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000	215
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	73
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 3D-170958	1.6000	194
CONNECTING ROD AND PISTON EFF. WITH 3D-170959, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	207
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	252
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	182
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.2000	180
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.4000	48
FUEL MANIFOLD CONNECTIONS	2.4000	•
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	276
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-166902	3.4000	114
BLOWER EFF. WITH 3D-166903 AND THRU 3D-170682	3.4000	344
BLOWER EFF. WITH 3D-170683 AND THRU 3D-191031	3.4000	345
BLOWER EFF. WITH 3D-191032	3.4000	436
TURBOCHARGER	3.5000A	•
OIL PUMP THRU 3D-186877	4.1000A	52
OIL PUMP EFF. WITH 3D-186878	4.1000A	170
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 3D-186878	4.1000C	29
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	669
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	189
CYLINDER BLOCK	1.1000	•
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	215
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	73
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 3D-170958	1.6000	194
CONNECTING ROD AND PISTON EFF. WITH 3D-170959, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	207
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	252
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	415
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	182
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.2000	180
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	276
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D0166902	3.4000	114
BLOWER EFF. WITH 3D0166903 AND THRU 3D0170682	3.4000	344
BLOWER EFF. WITH 3D-170683 AND THRU 3D-191031	3.4000	345
BLOWER EFF. WITH 3D-191032	3.4000	436
TURBOCHARGER	3.5000A	•
OIL PUMP THRU 3D-186877	4.1000A	52
OIL PUMP EFF. WITH 3D-186878	4.1000A	170
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 3D-186878	4.1000C	29
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTION	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	189
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	215
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	73
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	207
CAMSHAFT AND GEAR TRAIN	1.7000	182
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	82
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	180
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	276
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	345
BLOWER	3.4000	•
TURBOCHARGER	3.5000A	•
OIL PUMP THRU 3D-186877	4.1000A	52
OIL PUMP EFF. WITH 3D-186878	4.1000A	170
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 3D-186878	4.1000C	29
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
• STANDARD OPTION REFER TO OPTION PLATE.		

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 3D-107833	1.2000A	42
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	330
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	32
VALVE OPERATING MECHANISM	1.8000	29
ROCKER COVER	1.8000A	39
FUEL INJECTOR STD. EQUIP. PRIOR TO 3D-4289	2.1000A	52
FUEL PUMP THRU 3D-85494	2.2000	34
FUEL PUMP EFF. WITH 3D-85495	2.2000	136
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	501
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS	2.9000	108
THROTTLE CONTROLS	2.9000A	511
AIR CLEANER	3.1000A	274
AIR INLET HOUSING	3.3000A	161
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-19242	4.2000A	109
OIL FILTER EFF. WITH 3D-19243	4.2000A	226
OIL COOLER	4.4000A	238
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	233
FRESH WATER PUMP THRU 3D-65048	5.1000	39
FRESH WATER PUMP EFF. WITH 3D-65049	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 3D-65048	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 3D-65049	5.2000C	318
RADIATOR	5.3000A	111
WATER CONNECTIONS	5.3000B	157
FAN	5.4000A	290
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1776
STARTING MOTOR	7.3000A	188
INSTRUMENTS	7.4000A	429
WIRING HARNESS	7.7000A	279
POWER TAKE-OFF	8.1000A	180
ENGINE MOUNTS	11.1000A	359

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	78
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	330
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	76
FUEL PUMP	2.2000	152
FUEL FILTER	2.3000A	403
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1130
MECHANICAL GOVERNOR STD. EQUIP. PRIOR TO 3D-92299	2.7000A	1122
INJECTOR CONTROLS	2.9000	121
THROTTLE CONTROLS	2.9000A	822
AIR CLEANER	3.1000A	340
AIR INLET HOUSING	3.3000A	140
BLOWER	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	261
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	279
OIL COOLER	4.4000A	559
OIL FILLER	4.5000A	54
DIPSTICK	4.6000A	616
OIL PAN	4.7000A	514
VENTILATING SYSTEM	4.8000A	236
FRESH WATER PUMP	5.1000	146
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
RADIATOR	5.3000A	128
WATER CONNECTIONS	5.3000B	155
FAN	5.4000A	290
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1563
STARTING MOTOR	7.3000A	243
INSTRUMENTS	7.4000A	776
TACHOMETER DRIVE	7.4000B	463
ENGINE MOUNTS	11.1000A	359
COLD WEATHER STARTING AID	12.6000C	45

DETROIT DIESEL 53 MPC ENGINES

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	333
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	29
ROCKER COVER	1.8000A	39
FUEL INJECTOR THRU 3D-730	2.1000A	40
FUEL INJECTOR EFF. WITH 3D-731	2.1000A	52
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495	2.2000	127
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	499
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	121
THROTTLE CONTROLS	2.9000A	512
AIR CLEANER	3.1000A	274
AIR INLET HOUSING	3.3000A	158
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 3D-311	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-19242	4.2000A	109
OIL FILTER EFF. WITH 3D-19243	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK STD. EQUIP. PRIOR TO 3D-611	4.6000A	107
DIPSTICK	4.6000A	253
OIL PAN STD. EQUIP. PRIOR TO 3D-311	4.7000A	584
VENTILATING SYSTEM	4.8000A	234
FRESH WATER PUMP STD. EQUIP. PRIOR TO 3D-65049	5.1000	38
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 3D-65049	5.2000C	130
RADIATOR STD. EQUIP. PRIOR TO 3D-1219	5.3000A	58
RADIATOR	5.3000A	108
WATER CONNECTIONS	5.3000B	135
FAN	5.4000A	290
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1777
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	405
WIRING HARNESS	7.7000A	279
POWER TAKE-OFF	8.1000A	180
ENGINE MOUNTS	11.1000A	359

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET THRU 3D-168	1.2000A	30
ENGINE LIFTER BRACKET EFF. WITH 3D-169	1.2000A	41
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	333
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	39
FUEL INJECTOR THRU 3D-730	2.1000A	40
FUEL INJECTOR EFF. WITH 3D-731	2.1000A	52
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495	2.2000	127
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	499
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	121
THROTTLE CONTROLS	2.9000A	512
AIR CLEANER	3.1000A	274
AIR INLET HOUSING	3.3000A	158
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-19242	4.2000A	109
OIL FILTER EFF. WITH 3D-19243	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN (10 DEG. INCLINATION)	4.7000A	584
VENTILATING SYSTEM	4.8000A	234
FRESH WATER PUMP THRU 3D-65048	5.1000	38
FRESH WATER PUMP EFF. WITH 3D-65049	5.1000	145
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 3D-65048	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 3D-65049	5.2000C	318
RADIATOR	5.3000A	108
WATER CONNECTIONS	5.3000B	135
FAN	5.4000A	290
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1777
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	405
WIRING HARNESS	7.7000A	279
POWER TAKE-OFF	8.1000A	180
ENGINE MOUNTS	11.1000A	359

DETROIT DIESEL 53 MPC ENGINES

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	336
FLYWHEEL HOUSING	1.5000A	349
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	52
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495	2.2000	127
FUEL FILTER	2.3000A	181
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	504
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	121
THROTTLE CONTROLS	2.9000A	512
AIR CLEANER	3.1000A	274
AIR INLET HOUSING	3.3000A	158
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-19242	4.2000A	109
OIL FILTER EFF. WITH 3D-19243	4.2000A	226
OIL COOLER	4.4000A	277
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN (10 DEG. INCLINATION)	4.7000A	584
VENTILATING SYSTEM	4.8000A	234
FRESH WATER PUMP THRU 3D-65048	5.1000	38
FRESH WATER PUMP EFF. WITH 3D-65049	5.1000	145
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 3D-65048	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 3D-65049	5.2000C	318
RADIATOR	5.3000A	110
WATER CONNECTIONS	5.3000B	135
FAN	5.4000A	290
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1207
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	405
WIRING HARNESS	7.7000A	279
TORQUE CONVERTER	8.3000A	300
TORQUE CONVERTER LINES	8.3000B	142
ENGINE MOUNTS	11.1000A	358
ENGINE BASE	11.1000A	425

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	83
AIR BOX DRAINS	1.1000A	78
CYLINDER HEAD	1.2000	75
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	41
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	154
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	330
CONNECTING ROD AND PISTON	1.6000	80
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	42
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	87
FUEL PUMP	2.2000	75
FUEL PUMP AUXILIARY	2.2000	58
FUEL FILTER	2.3000A	403
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1130
MECHANICAL GOVERNOR THRU 3D-43517	2.7000A	601
MECHANICAL GOVERNOR EFF. WITH 3D-43518	2.7000A	1122
INJECTOR CONTROLS	2.9000	121
THROTTLE CONTROLS	2.9000A	822
AIR CLEANER	3.1000A	340
AIR INLET HOUSING	3.3000A	140
BLOWER	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	261
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	279
OIL COOLER	4.4000A	559
OIL FILLER	4.5000A	54
DIPSTICK	4.6000A	616
OIL PAN (30 DEG. FRONT, 20 DEG. REAR INCLINATION)	4.7000A	514
VENTILATING SYSTEM	4.8000A	236
FRESH WATER PUMP THRU 3D-65048	5.1000	129
FRESH WATER PUMP EFF. WITH 3D-65049	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	87
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 3D-65048	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 3D-65049	5.2000C	318
RADIATOR	5.3000A	128
WATER CONNECTIONS	5.3000B	155
FAN	5.4000A	290
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1563
STARTING MOTOR	7.3000A	243
INSTRUMENTS	7.4000A	776
TACHOMETER DRIVE	7.4000B	463
ENGINE MOUNTS	11.1000A	359
COLD WEATHER STARTING AID	12.6000C	45

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-186877	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON-STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	150
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
BALANCE WEIGHT COVER EFF. WITH 3D-186878	1.7000A	58
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	173
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER THRU 3D-166784	2.3000A	157
FUEL FILTER EFF. WITH 3D-166785 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	720
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	464
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	281
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR CLEANER	3.1000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	316
BLOWER	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	169
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	•
OIL COOLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	238
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.6000A	267
DIPSTICK	4.6000A	•
OIL PAN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	537
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	404
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	2059
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
POWER TAKE-OFF	8.1000A	•
ENGINE MOUNTS	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET	1.2000A	40
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-122664	1.3000A	70
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 3D-1427	1.3000C	111
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	330
CONNECTING ROD AND PISTON THRU 3D-145885	1.6000	28
CONNECTING ROD AND PISTON EFF. WITH 3D-145886	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	32
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
VALVE OPERATING MECHANISM THRU 3D-162358	1.8000	29
VALVE OPERATING MECHANISM EFF. WITH 3D-162359 AND THRU 3D-170682	1.8000	193
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	168
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	464
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 3D-152410	2.9000	100
INJECTOR CONTROLS EFF. WITH 3D-152411	2.9000	281
THROTTLE CONTROLS	2.9000A	504
AIR CLEANER	3.1000A	274
AIR INLET HOUSING	3.3000A	598
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	238
OIL FILLER	4.5000A	18
DIPSTICK THRU 3D-856	4.6000A	107
DIPSTICK EFF. WITH 3D-857 AND THRU 3D-4894	4.6000A	181
DIPSTICK EFF. WITH 3D-4895	4.6000A	267
OIL PAN	4.7000A	108
VENTILATING SYSTEM	4.8000A	196
FRESH WATER PUMP	5.1000	158
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	319
WATER CONNECTIONS	5.3000B	208
HEAT EXCHANGER	5.5000A	303
EXHAUST MANIFOLD THRU 3D-66868	6.1000A	125
EXHAUST MANIFOLD EFF. WITH 3D-66869	6.1000A	404
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR	7.1000A	2059
STARTING MOTOR	7.3000A	188
INSTRUMENTS	7.4000A	507
WIRING HARNESS	7.7000A	302
POWER TAKE-OFF	8.1000A	180
ENGINE MOUNTS	11.1000A	353

DETROIT DIESEL 53 MPC ENGINES

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS THRU 4D-11689	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL HOUSING	1.5000A	195
CONNECTING ROD AND PISTON	1.8000	61
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	63
FUEL INJECTOR	2.1000A	76
FUEL PUMP	2.2000	33
FUEL MANIFOLD CONNECTIONS	2.4000	48
MECHANICAL GOVERNOR	2.7000A	590
INJECTOR CONTROLS	2.9000	91
BLOWER	3.4000	63
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL COOLER	4.4000A	239
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	277
OIL PAN	4.7000A	157
VENTILATING SYSTEM	4.8000A	246
FRESH WATER PUMP	5.1000	70
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	182
WATER CONNECTIONS	5.3000B	122

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	38
AIR BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	52
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	33
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	40
FUEL INJECTOR	2.1000A	74
FUEL PUMP	2.2000	46
FUEL FILTER	2.3000A	223
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-42278	2.5000A	490
FUEL LINES EFF. WITH 4D-42279	2.5000A	491
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS	2.9000	101
AIR SILENCER	3.2000A	27
AIR INLET HOUSING	3.3000A	230
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457	3.4000	115
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	220
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	291
OIL FILLER	4.5000A	45
DIPSTICK THRU 4D-30668	4.6000A	186
DIPSTICK EFF. WITH 4D-30669	4.6000A	549
OIL PAN	4.7000A	207
VENTILATING SYSTEM	4.8000A	250
FRESH WATER PUMP	5.1000	157
THERMOSTAT	5.2000B	123
WATER BY-PASS TUBE	5.2000C	345
WATER CONNECTIONS	5.3000B	210
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	126
EXHAUST MANIFOLD EFF. WITH 4D-62199	6.1000A	397
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR	7.1000A	810
STARTING MOTOR	7.3000A	180
HYDRAULIC MARINE GEAR	9.1000A	541
ENGINE MOUNTS	11.1000A	409

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	38
AIR BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	52
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	NONE
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
FLYWHEEL HOUSING ADAPTOR	1.5000B	NONE
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	33
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER (PLAIN)	1.8000A	40
FUEL INJECTOR	2.1000A	52
FUEL INJECTOR	2.1000A	51
FUEL PUMP	2.2000	46
FUEL FILTER	2.3000A	223
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	491
MECHANICAL GOVERNOR (VARIABLE SPEED, CLOSED LINKAGE)	2.7000A	802
MECHANICAL GOVERNOR (VARIABLE SPEED, OPEN LINKAGE)	2.7000A	597
MECHANICAL GOVERNOR (LIMITING SPEED)	2.7000A	589
INJECTOR CONTROL TUBE	2.9000	101
THROTTLE CONTROLS (VAR. SPD. CLOSED LINKAGE GOV.) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE)	2.9000A	483
AIR SILENCER (MOUNTED ON AIR INLET HOUSING)	3.2000A	27
AIR SILENCER (MOUNTED ON BLOWER)	3.2000A	20
AIR INLET HOUSING	3.3000A	230
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFFECTIVE WITH 4D-36457	3.4000	115
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION	4.1000B	220
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	315
OIL FILLER	4.5000A	45
DIPSTICK	4.6000A	186
OIL PAN	4.7000A	207
VENTILATING SYSTEM	4.8000A	250
FRESH WATER PUMP	5.1000	62
THERMOSTAT PRIOR TO 4D-4724	5.2000B	88
THERMOSTAT (WITH HEAT EXCHANGER COOLING) EFF. WITH 4D-4724, STD. EQUIP. PRIOR TO 4D-11188	5.2000B	105
THERMOSTAT (DIRECT COOLING)	5.2000B	123
WATER BY-PASS TUBE (HEAT EXCHANGER COOLING)	5.2000C	186
WATER BY-PASS TUBE (DIRECT COOLING)	5.2000C	168
WATER CONNECTIONS (HEAT EXCHANGER COOLING)	5.3000B	204
WATER CONNECTIONS (DIRECT COOLING)	5.3000B	210
HEAT EXCHANGER (WITHOUT AUXILIARY WATERTANK) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	320
HEAT EXCHANGER (WITH AUXILIARY WATER TANK) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	349
RAW WATER PUMP (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.6000A	39
WATER FILTER (HEAT EXCHANGER COOLING, 15 GAL. SYSTEM) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.7000A	21
EXHAUST MANIFOLD (WATER COOLED)	6.1000A	126
EXHAUST MUFFLER FLANGE	6.2000A	176
BATTERY CHARGING GENERATOR (12V., 25 AMP. NEGATIVE RETURN)	7.1000A	810
BATTERY CHARGING GENERATOR (12V., 60 AMP. NEGATIVE RETURN)	7.1000A	1174
STARTING MOTOR (12V.)	7.3000A	180
ALARM SYSTEM (WITHOUT WATER FILTER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000	354
INSTRUMENT PANEL (SINGLE) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	220
INSTRUMENT PANEL (DUAL) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	215

DETROIT DIESEL 53 MPC ENGINES

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
TACHOMETER DRIVE CABLE (5' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE)	7.4000B	11
TACHOMETER DRIVE CABLE (10' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE)	7.4000B	47
TACHOMETER DRIVE CABLE (15' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE)	7.4000B	46
TACHOMETER DRIVE (SINGLE OUTLET) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE)	7.4000B	310
TACHOMETER DRIVE (DOUBLE OUTLET) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE)	7.4000B	306
HYDRAULIC MARINE GEAR (DIRECT DRIVE)	9.1000A	541
HYDRAULIC MARINE GEAR (1.5:1 REDUCTION)	9.1000A	543
HYDRAULIC MARINE GEAR (2:1 REDUCTION)	9.1000A	545
HYDRAULIC MARINE GEAR (2.5:1 REDUCTION)	9.1000A	681
ENGINE MOUNTING	11.1000A	409
ENGINE MOUNTING (RESILIENT TYPE)	11.1000A	489
BILGE PUMP (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.2000A	22

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	38
AIR BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	52
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	94
CAMSHAFT AND GEAR TRAIN	1.7000	33
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	40
FUEL INJECTOR	2.1000A	80
FUEL PUMP	2.2000	46
FUEL FILTER	2.3000A	223
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	491
MECHANICAL GOVERNOR	2.7000A	892
INJECTOR CONTROLS	2.9000	101
THROTTLE CONTROLS	2.9000A	483
AIR SILENCER	3.2000A	38
AIR INLET HOUSING	3.3000A	355
BLOWER THRU 4D-40305	3.4000	62
BLOWER EFF. WITH 4D-40306	3.4000	138
BLOWER DRIVE SHAFT	3.4000A	17
TURBOCHARGER	3.5000A	110
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM THRU 4D-29138	4.1000B	332
OIL DISTRIBUTION SYSTEM EFF. WITH 4D-29139	4.1000B	220
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER (MARINE GEAR)	4.4000A	502
OIL FILLER	4.5000A	45
DIPSTICK THRU 4D-29138	4.6000A	186
DIPSTICK EFF. WITH 4D-29139	4.6000A	549
OIL PAN THRU 4D-29138	4.7000A	404
OIL PAN EFF. WITH 4D-29139	4.7000A	487
VENTILATING SYSTEM	4.8000A	462
FRESH WATER PUMP	5.1000	157
THERMOSTAT	5.2000B	166
WATER BY-PASS TUBE	5.2000C	344
WATER CONNECTIONS	5.3000B	260
HEAT EXCHANGER	5.5000A	395
RAW WATER PUMP	5.6000A	48
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	126
EXHAUST MANIFOLD EFF. WITH 4D-62199	6.1000A	397
EXHAUST MUFFLER CONNECTION	6.2000A	339
BATTERY CHARGING GENERATOR	7.1000A	810
STARTING MOTOR	7.3000A	180
HYDRAULIC MARINE GEAR	9.1000A	771
ENGINE MOUNTS THRU 4D-31853	11.1000A	537
ENGINE MOUNTS EFF. WITH 4D-31854	11.1000A	554

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 4D-75730	1.1000	91
CYLINDER BLOCK EFF. WITH 4D-75731	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 4D-97396	1.2000A	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-106480	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-106481	1.3000A	119
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.4000A	378
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	185
FLYWHEEL HOUSING	1.5000A	•
FLYWHEEL HOUSING ADAPTOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000B	27
FLYWHEEL HOUSING ADAPTOR	1.5000B	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	33
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	273
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 3D-162358	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 3D-162359 AND THRU 3D-170682	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 3D-170682	1.8000	167
ROCKER COVER	1.8000A	68
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 4D-78175	2.2000	33
FUEL PUMP EFF. WITH 4D-78176 AND THRU 4D-172166	2.2000	127
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	162
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-34551	2.5000A	433
FUEL LINES EFF. WITH 4D-34552, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1013
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 4D-157398	2.9000	102
INJECTOR CONTROLS EFF. WITH 4D-157399 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	286
INJECTOR CONTROLS	2.9000	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	319
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	52
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	4.1000C	9
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER THRU 4D-19656	4.2000A	152
OIL FILTER STD. EQUIP. EFF. WITH 4D-19657, PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	221
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	239
OIL COOLER (ENGINE)	4.4000A	•
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	126
EXHAUST MANIFOLD EFF. WITH 4D-62199 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE ..	6.1000A	397
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	6.2000A	176
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
HYDRAULIC MARINE GEAR	9.1000A	•
ENGINE MOUNTS	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	163
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	53
CRANKSHAFT	1.3000	68
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	325
FLYWHEEL HOUSING	1.5000A	ENG
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	33
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	68
FUEL PUMP	2.2000	127
FUEL MANIFOLD CONNECTIONS	2.4000	48
INJECTOR CONTROLS	2.9000	286
AIR SILENCER	3.2000A	27
BLOWER	3.4000	306
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	246
OIL PRESSURE REGULATOR	4.1000C	009
OIL FILTER	4.2000A	358
OIL COOLER (ENGINE)	4.4000A	239
OIL COOLER (MARINE GEAR)	4.4000A	272
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	273
OIL PAN	4.7000A	264
VENTILATING SYSTEM	4.8000A	313
FRESH WATER PUMP	5.1000	148
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	319
WATER CONNECTIONS	5.3000B	196
EXHAUST MANIFOLD	6.1000A	397
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR	7.1000A	2022
STARTING MOTOR	7.3000A	308
HYDRAULIC MARINE GEAR	9.1000A	950
ENGINE MOUNTS	11.1000A	633

DETROIT DIESEL 53 MPC ENGINES

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS THRU 4D-11689	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	24
ENGINE LIFTER BRACKET THRU 4D-1867	1.2000A	40
ENGINE LIFTER BRACKET EFF. WITH 4D-1868	1.2000A	53
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 4D-3299	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	185
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	33
VALVE OPERATING MECHANISM	1.8000	31
ROCKER COVER	1.8000A	68
FUEL INJECTOR THRU 4D-4053	2.1000A	47
FUEL INJECTOR EFF. WITH 4D-4054	2.1000A	51
FUEL PUMP	2.2000	33
FUEL FILTER	2.3000A	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-1067	2.5000A	390
FUEL LINES EFF. WITH 4D-1068	2.5000A	433
MECHANICAL GOVERNOR	2.7000A	594
INJECTOR CONTROLS	2.9000	102
AIR CLEANER	3.1000A	200
AIR SILENCER	3.2000A	27
AIR INLET HOUSING	3.3000A	230
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457	3.4000	116
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	246
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 4D-1067	4.2000A	116
OIL FILTER EFF. WITH 4D-1068 AND THRU 4D-19656	4.2000A	152
OIL FILTER EFF. WITH 4D-19657	4.2000A	221
OIL COOLER (ENGINE)	4.4000A	239
OIL COOLER (MARINE GEAR)	4.4000A	272
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	273
OIL PAN	4.7000A	264
VENTILATING SYSTEM	4.8000A	313
FRESH WATER PUMP	5.1000	45
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	147
WATER CONNECTIONS	5.3000B	200
EXHAUST MANIFOLD	6.1000A	126
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR	7.1000A	881
STARTING MOTOR	7.3000A	180
HYDRAULIC MARINE GEAR	9.1000A	550
ENGINE MOUNTS	11.1000A	473

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	83
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	53
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	185
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	33
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	68
FUEL INJECTOR	2.1000A	52
FUEL PUMP THRU 4D-78175	2.2000	33
FUEL PUMP EFF. WITH 4D-78176	2.2000	127
FUEL FILTER	2.3000A	61
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-34551	2.5000A	433
FUEL LINES EFF. WITH 4D-34552	2.5000A	1013
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	102
AIR SILENCER	3.2000A	27
AIR INLET HOUSING	3.3000A	230
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457	3.4000	116
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	250
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 4D-19656	4.2000A	152
OIL FILTER EFF. WITH 4D-19657	4.2000A	221
OIL COOLER (ENGINE)	4.4000A	239
OIL COOLER (MARINE GEAR)	4.4000A	272
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	273
OIL PAN	4.7000A	264
VENTILATING SYSTEM	4.8000A	313
FRESH WATER PUMP	5.1000	148
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	338
WATER CONNECTIONS	5.3000B	200
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	126
EXHAUST MANIFOLD EFF. WITH 4D-62199	6.1000A	297
BATTERY CHARGING GENERATOR	7.1000A	881
STARTING MOTOR	7.3000A	180
HYDRAULIC MARINE GEAR	9.1000A	550
ENGINE MOUNTS	11.1000A	473

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 4D-97414	1.2000A	•
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-106480	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-106481	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	1.4000A	378
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	1.5000A	178
FLYWHEEL HOUSING	1.5000A	•
FLYWHEEL HOUSING ADAPTOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	1.5000B	27
FLYWHEEL HOUSING ADAPTOR	1.5000B	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	167
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 4D-78175	2.2000	34
FUEL PUMP EFF. WITH 4D-78176 AND THRU 4D-172166	2.2000	136
FUEL PUMP EFF. WITH 4D-172167	2.2000	178
FUEL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	162
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-34551	2.5000A	433
FUEL LINES EFF. WITH 4D-34552 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1013
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 4D-157018	2.9000	101
INJECTOR CONTROLS EFF. WITH 4D-157019 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	283
INJECTOR CONTROLS	2.9000	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	115
BLOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	317
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	52
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000C	9
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER THRU 4D-21064	4.2000A	153
OIL FILTER STD. EQUIP. EFF. WITH 4D-21065 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	4.2000A	241
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	226
OIL COOLER (ENGINE)	4.4000A	•
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	126

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
EXHAUST MANIFOLD EFF. WITH 4D-62199 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE ..	6.1000A	397
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	6.2000A	177
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
HYDRAULIC MARINE GEAR	9.1000A	•
ENGINE MOUNTS	11.1000A	•
• STANDARD OPTION REFER TO OPTION PLATE.		

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	145
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	53
CRANKSHAFT	1.3000	68
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	325
FLYWHEEL HOUSING	1.5000A	345
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	138
VALVE OPERATING MECHANISM	1.8000	122
ROCKER COVER	1.8000A	63
FUEL INJECTOR	2.1000A	74
FUEL PUMP	2.2000	136
FUEL FILTER	2.3000A	693
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1526
MECHANICAL GOVERNOR	2.7000A	1706
INJECTOR CONTROLS	2.9000	283
AIR SILENCER	3.2000A	27
AIR INLET HOUSING	3.3000A	603
BLOWER	3.4000	306
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	246
OIL PRESSURE REGULATOR	4.1000C	009
OIL FILTER	4.2000A	354
OIL COOLER	4.4000A	273
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	273
OIL PAN	4.7000A	264
VENTILATING SYSTEM	4.8000A	314
FRESH WATER PUMP	5.1000	149
WATER OUTLET MANIFOLD	5.2000A	72
WATER BY-PASS TUBE	5.2000C	381
WATER CONNECTIONS	5.3000B	201
EXHAUST MANIFOLD	6.1000A	397
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	2020
STARTING MOTOR	7.3000A	312
HYDRAULIC MARINE GEAR	9.1000A	951
ENGINE MOUNTS	11.1000A	633

DETROIT DIESEL 53 MPC ENGINES

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS THRU 4D-11689	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	24
ENGINE LIFTER BRACKET THRU 4D-1867	1.2000A	40
ENGINE LIFTER BRACKET EFF. WITH 4D-1868	1.2000A	53
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	31
ROCKER COVER	1.8000A	63
FUEL INJECTOR THRU 4D-1608	2.1000A	47
FUEL INJECTOR EFF. WITH 4D-1609	2.1000A	51
FUEL PUMP	2.2000	34
FUEL FILTER	2.3000A	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-1214	2.5000A	390
FUEL LINES EFF. WITH 4D-1215	2.5000A	433
MECHANICAL GOVERNOR	2.7000A	595
INJECTOR CONTROLS	2.9000	101
AIR SILENCER	3.2000A	27
AIR INLET HOUSING	3.3000A	230
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457	3.4000	115
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	246
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 4D-1214	4.2000A	116
OIL FILTER EFF. WITH 4D-1215 AND THRU 4D-21064	4.2000A	153
OIL FILTER EFF. WITH 4D-21065	4.2000A	241
OIL COOLER	4.4000A	226
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	273
OIL PAN	4.7000A	264
VENTILATING SYSTEM	4.8000A	314
FRESH WATER PUMP	5.1000	46
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	147
WATER CONNECTIONS	5.3000B	201
EXHAUST MANIFOLD	6.1000A	126
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	1106
STARTING MOTOR	7.3000A	255
HYDRAULIC MARINE GEAR	9.1000A	551
ENGINE MOUNTS	11.1000A	473

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	53
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	63
FUEL INJECTOR	2.1000A	52
FUEL PUMP	2.2000	34
FUEL FILTER	2.3000A	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-34551	2.5000A	433
FUEL LINES EFF. WITH 4D-34552	2.5000A	1013
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS	2.9000	101
AIR SILENCER	3.2000A	27
AIR INLET HOUSING	3.3000A	230
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457	3.4000	115
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	246
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 4D-21064	4.2000A	153
OIL FILTER EFF. WITH 4D-21065	4.2000A	241
OIL COOLER (ENGINE)	4.4000A	226
OIL COOLER (MARINE GEAR)	4.4000A	273
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	273
OIL PAN	4.7000A	264
VENTILATING SYSTEM	4.8000A	314
FRESH WATER PUMP	5.1000	149
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	338
WATER CONNECTIONS	5.3000B	201
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	126
EXHAUST MANIFOLD EFF. WITH 4D-62199	6.1000A	397
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	1106
STARTING MOTOR	7.3000A	255
HYDRAULIC MARINE GEAR	9.1000A	551
ENGINE MOUNTS	11.1000A	473

DETROIT DIESEL 53 MPC ENGINES

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	38
AIR BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	51
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	40
FUEL INJECTOR	2.1000A	74
FUEL PUMP THRU 4D-78175	2.2000	47
FUEL PUMP EFF. WITH 4D-78176	2.2000	137
FUEL FILTER	2.3000A	223
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-42278	2.5000A	490
FUEL LINES EFF. WITH 4D-42279	2.5000A	491
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	102
AIR SILENCER	3.2000A	27
AIR INLET HOUSING	3.3000A	230
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457	3.4000	116
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	221
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	316
OIL FILLER	4.5000A	45
DIPSTICK THRU 4D-30667	4.6000A	186
DIPSTICK EFF. WITH 4D-30668	4.6000A	549
OIL PAN	4.7000A	206
VENTILATING SYSTEM	4.8000A	250
FRESH WATER PUMP	5.1000	150
THERMOSTAT	5.2000B	123
WATER BY-PASS TUBE	5.2000C	342
WATER CONNECTIONS	5.3000B	211
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	126
EXHAUST MANIFOLD EFF. WITH 4D-62199	6.1000A	397
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	811
STARTING MOTOR	7.3000A	255
HYDRAULIC MARINE GEAR	9.1000A	540
ENGINE MOUNTS	11.1000A	410