

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.

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
CRANK 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
LYWHEEL	1.4000A	599
LYWHEEL HOUSING	1.5000A	343
CONNECTING ROD AND PISTON	1.6000	61
CRANKSHAFT 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
CRANK INLET HOUSING	3.3000A	139
LOWER THRU 3D-34007	3.4000	60
LOWER EFF. WITH 3D-34008	3.4000	114
IL PUMP	4.1000A	49
IL DISTRIBUTION SYSTEM	4.1000B	292
IL PRESSURE REGULATOR	4.1000C	9
IL FILTER	4.2000A	226
IL COOLER	4.4000A	276
IPSTICK	4.6000A	267
IL PAN	4.7000A	154
EXHAUSTING 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
MAN	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	•

ETROIT DIESEL 53 MPC ENGINES

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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	•
AN	5.4000A	•
XHAUST MANIFOLD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	211
XHAUST MANIFOLD	6.1000A	•
TARTING MOTOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.3000A	299
TARTING MOTOR	7.3000A	•
HUT-OFF OR ALARM SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.4000C	918
HUT-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.
CYLINDER BLOCK	1.1000
AIR BOX DRAINS	1.1000A
CYLINDER HEAD	1.2000
ENGINE LIFTER BRACKET	1.2000A
CRANKSHAFT	1.3000
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
VALVE OPERATING MECHANISM	1.8000
ROCKER COVER	1.8000A
FUEL INJECTOR	2.1000A
FUEL PUMP	2.2000
FUEL FILTER	2.3000A
FUEL MANIFOLD CONNECTIONS	2.4000
FUEL LINES	2.5000A
MECHANICAL GOVERNOR	2.7000A
INJECTOR CONTROLS	2.9000
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
BATTERY CHARGING GENERATOR	7.1000A
STARTING MOTOR	7.3000A
TACHOMETER DRIVE	7.4000B

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	191
CRANK 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
LYWHEEL	1.4000A	296
LYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	98
CRANKSHAFT 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
CRANK INLET HOUSING	3.3000A	595
LOWER	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
WIPSTICK	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
WATER	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.
CYLINDER BLOCK	1.1000
AIR BOX DRAINS	1.1000A
CYLINDER HEAD	1.2000
ENGINE LIFTER BRACKET	1.2000A
CRANKSHAFT	1.3000
CRANKSHAFT FRONT COVER THRU 3D-133641	1.3000A
CRANKSHAFT FRONT COVER EFF. WITH 3D-133642 AND THRU 3D-186877	1.3000A
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 3D-183686	1.3000C
CRANKSHAFT PULLEY BELT	1.3000D
FLYWHEEL	1.4000A
FLYWHEEL HOUSING	1.5000A
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO 3D-185417	1.6000
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000
BALANCE WEIGHT COVER EFF. WITH 3D-186878 AND THRU 3D-197863	1.7000A
BALANCE WEIGHT COVER EFF. WITH 3D-197864	1.7000A
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000
ROCKER COVER	1.8000A
FUEL INJECTOR	2.1000A
FUEL PUMP THRU 3D-158374	2.2000
FUEL PUMP EFF. WITH 3D-158375	2.2000
FUEL FILTER	2.3000A
FUEL MANIFOLD CONNECTIONS	2.4000
FUEL LINES	2.5000A
MECHANICAL GOVERNOR	2.7000A
INJECTOR CONTROLS THRU 3D-151863	2.9000
INJECTOR CONTROLS EFF. WITH 3D-151864; STD. EQUIP. PRIOR TO 3D-190557	2.9000
THROTTLE CONTROLS	2.9000A
AIR CLEANER ADAPTOR STD. EQUIP. PRIOR TO 3D-112976	3.1000A
AIR CLEANER ADAPTOR	3.1000A
AIR INLET HOUSING	3.3000A
BLOWER THRU 3D-170682	3.4000
BLOWER EFF. WITH 3D-170683; STD. EQUIP. PRIOR TO 3D-190557	3.4000
OIL PUMP THRU 3D-186877	4.1000A
OIL PUMP EFF. WITH 3D-186878	4.1000A
OIL DISTRIBUTION SYSTEM	4.1000B
OIL PRESSURE REGULATOR	4.1000C
OIL FILTER	4.2000A
OIL FILTER LINES	4.3000A
OIL COOLER	4.4000A
OIL FILLER, CAP	4.5000A
DIPSTICK	4.6000A
OIL PAN	4.7000A
FRESH WATER PUMP	5.1000
WATER OUTLET ELBOW	5.2000A
THERMOSTAT STD. EQUIP. PRIOR TO 3D-190709	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
POWER TAKE-OFF	8.1000A
ENGINE MOUNTS	11.1000A
COLD WEATHER STARTING AID	12.6000C

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
CRANK BOX DRAINS THRU 3D-9115	1.1000A	32
CRANK 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
LYWHEEL	1.4000A	296
LYWHEEL 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
WATERJECTOR CONTROLS THRU 3D-151863	2.9000	121
WATERJECTOR CONTROLS EFF. WITH 3D-151864	2.9000	279
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	272
LOWER THRU 3D-34007	3.4000	60
LOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	114
LOWER 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
WATERJECTOR STD. EQUIP. PRIOR TO 3D-065	4.6000A	107
WATERJECTOR	4.6000A	253
OIL PAN	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
WATER	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
LYWHEEL	1.4000A	331
LYWHEEL 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	176
FLYWHEEL	1.4000A	331
FLYWHEEL HOUSING	1.5000A	367
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
LYWHEEL STD. EQUIP. PRIOR TO 3D-97177	1.4000A	296
LYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	98
CRANKSHAFT 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

DETROIT DIESEL 53 MPC ENGINES
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	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	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
YLINDER BLOCK	1.1000	29
IR BOX DRAINS THRU 3D-9115	1.1000A	32
IR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
YLINDER HEAD	1.2000	23
NGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 3D-65049	1.2000A	41
NGINE LIFTER BRACKET	1.2000A	30
RANKSHAFT	1.3000	20
RANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 3D-115972 AND THRU 3D-122664	1.3000A	48
RANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
RANKSHAFT PULLEY	1.3000C	111
RANKSHAFT PULLEY BELT	1.3000D	176
LYWHEEL	1.4000A	296
LYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON	1.6000	26
AMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
AMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
ALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
ALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	169
OCKER COVER	1.8000A	39
UEL INJECTOR	2.1000A	76
UEL PUMP THRU 3D-85494	2.2000	33
UEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000	127
UEL PUMP EFF. WITH 3D-158375	2.2000	180
UEL FILTER	2.3000A	157
UEL MANIFOLD CONNECTIONS	2.4000	48
UEL LINES	2.5000A	455
MECHANICAL GOVERNOR	2.7000A	596
NJECTOR CONTROLS THRU 3D-151863	2.9000	121
NJECTOR CONTROLS EFF. WITH 3D-151864	2.9000	279
HROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	595
LOWER THRU 3D-34007	3.4000	60
LOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	114
LOWER 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
IPSTICK	4.6000A	253
OIL PAN	4.7000A	584
ENTILATING SYSTEM	4.8000A	195
RESH 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
AN	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

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	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
LYWHEEL	1.4000A	493
LYWHEEL HOUSING	1.5000A	344
CONNECTING ROD AND PISTON	1.6000	80
CRANKSHAFT 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

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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

DETROIT DIESEL 53 MPC ENGINES

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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	•
CRANK 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	•
LYWHEEL	1.4000A	•
LYWHEEL 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	•
VALANCE 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	•
CRANK INLET HOUSING	3.3000A	•
LOWER THRU 3D0166902	3.4000	114
LOWER EFF. WITH 3D0166903 AND THRU 3D0170682	3.4000	344
LOWER EFF. WITH 3D-170683 AND THRU 3D-191031	3.4000	345
LOWER 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	•
WIPSTICK	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	•
WATER MANIFOLD	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.		

DETROIT DIESEL 53 MPC ENGINES

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.
CYLINDER BLOCK	1.1000
AIR BOX DRAINS	1.1000A
CYLINDER HEAD	1.2000
ENGINE LIFTER BRACKET	1.2000A
CRANKSHAFT	1.3000
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
BALANCE WEIGHT COVER	1.7000A
VALVE OPERATING MECHANISM	1.8000
ROCKER COVER	1.8000A
FUEL INJECTOR	2.1000A
FUEL PUMP	2.2000
FUEL FILTER	2.3000A
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
INJECTOR CONTROLS	2.9000
AIR INLET HOUSING	3.3000A
BLOWER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000
BLOWER	3.4000
TURBOCHARGER	3.5000A
OIL PUMP THRU 3D-186877	4.1000A
OIL PUMP EFF. WITH 3D-186878	4.1000A
OIL DISTRIBUTION SYSTEM	4.1000B
OIL PRESSURE REGULATOR	4.1000C
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 3D-186878	4.1000C
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.

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
CRANK BOX DRAINS THRU 3D-9115	1.1000A	32
CRANK 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
LYWHEEL	1.4000A	305
LYWHEEL HOUSING	1.5000A	330
CONNECTING ROD AND PISTON	1.6000	26
CRANKSHAFT 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
LOWER THRU 3D-34007	3.4000	60
LOWER 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
WIPSTICK	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
RAN	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.
CYLINDER BLOCK	1.1000
AIR BOX DRAINS	1.1000A
CYLINDER HEAD	1.2000
ENGINE LIFTER BRACKET	1.2000A
CRANKSHAFT	1.3000
CRANKSHAFT FRONT COVER	1.3000A
FLYWHEEL	1.4000A
FLYWHEEL HOUSING	1.5000A
CONNECTING ROD AND PISTON	1.6000
CAMSHAFT AND GEAR TRAIN	1.7000
VALVE OPERATING MECHANISM	1.8000
ROCKER COVER	1.8000A
FUEL INJECTOR	2.1000A
FUEL PUMP	2.2000
FUEL FILTER	2.3000A
FUEL MANIFOLD CONNECTIONS	2.4000
FUEL LINES	2.5000A
MECHANICAL GOVERNOR STD. EQUIP. PRIOR TO 3D-92299	2.7000A
INJECTOR CONTROLS	2.9000
THROTTLE CONTROLS	2.9000A
AIR CLEANER	3.1000A
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 ELBOW	5.2000A
THERMOSTAT	5.2000B
WATER BY-PASS TUBE	5.2000C
RADIATOR	5.3000A
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
INSTRUMENTS	7.4000A
TACHOMETER DRIVE	7.4000B
ENGINE MOUNTS	11.1000A
COLD WEATHER STARTING AID	12.6000C

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
LYWHEEL	1.4000A	305
LYWHEEL 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
WATER PUMP THRU 3D-34007	3.4000	60
WATER PUMP 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
WIPSTICK STD. EQUIP. PRIOR TO 3D-611	4.6000A	107
WIPSTICK	4.6000A	253
WIL 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
WATER MAN	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
WATER 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

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
LINDER BLOCK	1.1000	29
I BOX DRAINS	1.1000A	63
LINDER HEAD	1.2000	23
GINE LIFTER BRACKET	1.2000A	41
ANKSHAFT	1.3000	20
ANKSHAFT FRONT COVER	1.3000A	48
ANKSHAFT PULLEY	1.3000C	111
ANKSHAFT PULLEY BELT	1.3000D	176
/WHEEL	1.4000A	336
/WHEEL HOUSING	1.5000A	349
NNECTING ROD AND PISTON	1.6000	26
MSHAFT AND GEAR TRAIN	1.7000	31
LVE OPERATING MECHANISM	1.8000	30
CKER COVER	1.8000A	39
EL INJECTOR	2.1000A	52
EL PUMP THRU 3D-85494	2.2000	33
EL PUMP EFF. WITH 3D-85495	2.2000	127
EL FILTER	2.3000A	181
EL MANIFOLD CONNECTIONS	2.4000	48
EL LINES	2.5000A	504
CHANICAL GOVERNOR	2.7000A	596
ECTOR CONTROLS	2.9000	121
ROTTLE CONTROLS	2.9000A	512
I CLEANER	3.1000A	274
I INLET HOUSING	3.3000A	158
OWER THRU 3D-34007	3.4000	60
OWER EFF. WITH 3D-34008	3.4000	114
UMP	4.1000A	49
DISTRIBUTION SYSTEM	4.1000B	235
PRESSURE REGULATOR	4.1000C	9
FILTER THRU 3D-19242	4.2000A	109
FILTER EFF. WITH 3D-19243	4.2000A	226
COOLER	4.4000A	277
FILLER	4.5000A	18
STICK	4.6000A	253
PAN (10 DEG. INCLINATION)	4.7000A	584
NTILATING SYSTEM	4.8000A	234
ESH WATER PUMP THRU 3D-65048	5.1000	38
ESH WATER PUMP EFF. WITH 3D-65049	5.1000	145
ATER OUTLET MANIFOLD	5.2000A	67
ERMOSTAT	5.2000B	72
ATER BY-PASS TUBE THRU 3D-65048	5.2000C	130
ATER BY-PASS TUBE EFF. WITH 3D-65049	5.2000C	318
DIATOR	5.3000A	110
ATER CONNECTIONS	5.3000B	135
N	5.4000A	290
HAUST MANIFOLD	6.1000A	217
HAUST MUFFLER CONNECTIONS	6.2000A	234
ATTERY CHARGING GENERATOR	7.1000A	1207
ARTING MOTOR	7.3000A	174
STRUMENTS	7.4000A	405
RING HARNESS	7.7000A	279
RQUE CONVERTER	8.3000A	300
RQUE CONVERTER LINES	8.3000B	142
GINE MOUNTS	11.1000A	358
GINE 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	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	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
CRANK 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	•
LYWHEEL	1.4000A	•
LYWHEEL 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	•
CRANKSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	150
CRANKSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
VALANCE 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	•
LOWER THRU 3D-170682	3.4000	114
LOWER EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	316
LOWER	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	•
IPSTICK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.6000A	267
IPSTICK	4.6000A	•
OIL PAN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	537
OIL PAN	4.7000A	•
HEATING 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	•
EAT 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.
CYLINDER BLOCK	1.1000
AIR BOX DRAINS THRU 3D-9115	1.1000A
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A
CYLINDER HEAD	1.2000
ENGINE LIFTER BRACKET	1.2000A
CRANKSHAFT	1.3000
CRANKSHAFT FRONT COVER THRU 3D-122664	1.3000A
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 3D-1427	1.3000C
FLYWHEEL	1.4000A
FLYWHEEL HOUSING	1.5000A
CONNECTING ROD AND PISTON THRU 3D-145885	1.6000
CONNECTING ROD AND PISTON EFF. WITH 3D-145886	1.6000
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000
VALVE OPERATING MECHANISM THRU 3D-162358	1.8000
VALVE OPERATING MECHANISM EFF. WITH 3D-162359 AND THRU 3D-170682	1.8000
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000
ROCKER COVER	1.8000A
FUEL INJECTOR	2.1000A
FUEL PUMP THRU 3D-85494	2.2000
FUEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000
FUEL PUMP EFF. WITH 3D-158375	2.2000
FUEL FILTER	2.3000A
FUEL MANIFOLD CONNECTIONS	2.4000
FUEL LINES	2.5000A
MECHANICAL GOVERNOR	2.7000A
INJECTOR CONTROLS THRU 3D-152410	2.9000
INJECTOR CONTROLS EFF. WITH 3D-152411	2.9000
THROTTLE CONTROLS	2.9000A
AIR CLEANER	3.1000A
AIR INLET HOUSING	3.3000A
BLOWER THRU 3D-34007	3.4000
BLOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000
BLOWER EFF. WITH 3D-170683	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 THRU 3D-856	4.6000A
DIPSTICK EFF. WITH 3D-857 AND THRU 3D-4894	4.6000A
DIPSTICK EFF. WITH 3D-4895	4.6000A
OIL PAN	4.7000A
VENTILATING SYSTEM	4.8000A
FRESH WATER PUMP	5.1000
THERMOSTAT	5.2000B
WATER BY-PASS TUBE	5.2000C
WATER CONNECTIONS	5.3000B
HEAT EXCHANGER	5.5000A
EXHAUST MANIFOLD THRU 3D-66868	6.1000A
EXHAUST MANIFOLD EFF. WITH 3D-66869	6.1000A
EXHAUST MUFFLER CONNECTIONS	6.2000A
BATTERY CHARGING GENERATOR	7.1000A
STARTING MOTOR	7.3000A
INSTRUMENTS	7.4000A
WIRING HARNESS	7.7000A
POWER TAKE-OFF	8.1000A
ENGINE MOUNTS	11.1000A

ETROIT DIESEL 53 MPC ENGINES

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
YLINDER BLOCK	1.1000	30
IR BOX DRAINS THRU 4D-11689	1.1000A	32
IR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
YLINDER HEAD	1.2000	25
NGINE LIFTER BRACKET	1.2000A	30
RANKSHAFT	1.3000	21
RANKSHAFT FRONT COVER	1.3000A	48
LYWHEEL HOUSING	1.5000A	195
ONNECTING ROD AND PISTON	1.6000	61
AMSHAFT AND GEAR TRAIN	1.7000	34
ALVE OPERATING MECHANISM	1.8000	32
OCKER COVER	1.8000A	63
UEL INJECTOR	2.1000A	76
UEL PUMP	2.2000	33
UEL MANIFOLD CONNECTIONS	2.4000	48
MECHANICAL GOVERNOR	2.7000A	590
JECTOR CONTROLS	2.9000	91
LOWER	3.4000	63
LOWER DRIVE SHAFT	3.4000A	17
IL PUMP	4.1000A	52
IL DISTRIBUTION SYSTEM	4.1000B	196
IL PRESSURE REGULATOR	4.1000C	9
IL COOLER	4.4000A	239
IL FILLER	4.5000A	18
IPSTICK	4.6000A	277
IL PAN	4.7000A	157
ENTILATING SYSTEM	4.8000A	246
RESH WATER PUMP	5.1000	70
VATER OUTLET ELBOW	5.2000A	67
HERMOSTAT	5.2000B	72
VATER BY-PASS TUBE	5.2000C	182
VATER 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	602
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-38456	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
CRANK BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	25
CRANK LIFTER BRACKET	1.2000A	52
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANK WHEEL	1.4000A	378
CRANK WHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	94
CRANKSHAFT 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
ROTTLE CONTROLS	2.9000A	483
CRANK SILENCER	3.2000A	38
CRANK INLET HOUSING	3.3000A	355
LOWER THRU 4D-40305	3.4000	62
LOWER EFF. WITH 4D-40306	3.4000	138
LOWER DRIVE SHAFT	3.4000A	17
COMBOCHARGER	3.5000A	110
L PUMP	4.1000A	52
L DISTRIBUTION SYSTEM THRU 4D-29138	4.1000B	332
L DISTRIBUTION SYSTEM EFF. WITH 4D-29139	4.1000B	220
L PRESSURE REGULATOR	4.1000C	9
L FILTER	4.2000A	227
L COOLER (MARINE GEAR)	4.4000A	502
L FILLER	4.5000A	45
PSTICK THRU 4D-29138	4.6000A	186
PSTICK EFF. WITH 4D-29139	4.6000A	549
L PAN THRU 4D-29138	4.7000A	404
L PAN EFF. WITH 4D-29139	4.7000A	487
ANTILATING SYSTEM	4.8000A	462
RESH WATER PUMP	5.1000	157
HERMOSTAT	5.2000B	166
ATER BY-PASS TUBE	5.2000C	344
ATER CONNECTIONS	5.3000B	260
RAT EXCHANGER	5.5000A	395
WATER PUMP	5.6000A	48
HAUST MANIFOLD THRU 4D-62198	6.1000A	126
HAUST MANIFOLD EFF. WITH 4D-62199	6.1000A	397
HAUST 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	•

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DETROIT DIESEL 53 MPC ENGINES
STANDARD AND STANDARD OPTION EQUIPMENT

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

STANDARD OPTION REFER TO OPTION PLATE.

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.
CYLINDER BLOCK	1.1000
AIR BOX DRAINS	1.1000A
CYLINDER HEAD	1.2000
ENGINE LIFTER BRACKET	1.2000A
CRANKSHAFT	1.3000
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	1.6000
CAMSHAFT AND GEAR TRAIN	1.7000
VALVE OPERATING MECHANISM	1.8000
ROCKER COVER	1.8000A
FUEL PUMP	2.2000
FUEL MANIFOLD CONNECTIONS	2.4000
INJECTOR CONTROLS	2.9000
AIR SILENCER	3.2000A
BLOWER	3.4000
BLOWER DRIVE SHAFT	3.4000A
OIL PUMP	4.1000A
OIL DISTRIBUTION SYSTEM	4.1000B
OIL PRESSURE REGULATOR	4.1000C
OIL FILTER	4.2000A
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	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
HYDRAULIC MARINE GEAR	9.1000A
ENGINE MOUNTS	11.1000A

DETROIT DIESEL 53 MPC ENGINES

5042-4100

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	83
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	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	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

5042-6000

DETROIT DIESEL 53 MPC ENGINE
STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.
EXHAUST MANIFOLD EFF. WITH 4D-62199 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE ..	6.1000A
EXHAUST MANIFOLD	6.1000A
EXHAUST MUFFLER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	6.2000A
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.
CYLINDER BLOCK	1.1000
AIR BOX DRAINS THRU 4D-11689	1.1000A
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A
CYLINDER HEAD	1.2000
ENGINE LIFTER BRACKET THRU 4D-1867	1.2000A
ENGINE LIFTER BRACKET EFF. WITH 4D-1868	1.2000A
CRANKSHAFT	1.3000
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	1.6000
CAMSHAFT AND GEAR TRAIN	1.7000
VALVE OPERATING MECHANISM	1.8000
ROCKER COVER	1.8000A
FUEL INJECTOR THRU 4D-1608	2.1000A
FUEL INJECTOR EFF. WITH 4D-1609	2.1000A
FUEL PUMP	2.2000
FUEL FILTER	2.3000A
FUEL MANIFOLD CONNECTIONS	2.4000
FUEL LINES THRU 4D-1214	2.5000A
FUEL LINES EFF. WITH 4D-1215	2.5000A
MECHANICAL GOVERNOR	2.7000A
INJECTOR CONTROLS	2.9000
AIR SILENCER	3.2000A
AIR INLET HOUSING	3.3000A
BLOWER THRU 4D-36456	3.4000
BLOWER EFF. WITH 4D-36457	3.4000
BLOWER DRIVE SHAFT	3.4000A
OIL PUMP	4.1000A
OIL DISTRIBUTION SYSTEM	4.1000B
OIL PRESSURE REGULATOR	4.1000C
OIL FILTER THRU 4D-1214	4.2000A
OIL FILTER EFF. WITH 4D-1215 AND THRU 4D-21064	4.2000A
OIL FILTER EFF. WITH 4D-21065	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
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
HYDRAULIC MARINE GEAR	9.1000A
ENGINE MOUNTS	11.1000A

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
CRANK 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
LYWHEEL	1.4000A	378
LYWHEEL HOUSING	1.5000A	178
LYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	27
CRANKSHAFT 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
CRANK SILENCER	3.2000A	27
CRANK INLET HOUSING	3.3000A	230
LOWER THRU 4D-36456	3.4000	62
LOWER EFF. WITH 4D-36457	3.4000	115
LOWER 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
WIPSTICK	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

5042-8002

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	3
AIR BOX DRAINS	1.1000A	4
CYLINDER HEAD	1.2000	2
ENGINE LIFTER BRACKET	1.2000A	5
CRANKSHAFT	1.3000	2
CRANKSHAFT FRONT COVER	1.3000A	4
FLYWHEEL	1.4000A	37
FLYWHEEL HOUSING	1.5000A	18
CONNECTING ROD AND PISTON	1.6000	6
CAMSHAFT AND GEAR TRAIN	1.7000	3
VALVE OPERATING MECHANISM	1.8000	3
ROCKER COVER	1.8000A	4
FUEL INJECTOR	2.1000A	7
FUEL PUMP THRU 4D-78175	2.2000	4
FUEL PUMP EFF. WITH 4D-78176	2.2000	13
FUEL FILTER	2.3000A	22
FUEL MANIFOLD CONNECTIONS	2.4000	4
FUEL LINES THRU 4D-42278	2.5000A	49
FUEL LINES EFF. WITH 4D-42279	2.5000A	49
MECHANICAL GOVERNOR	2.7000A	59
INJECTOR CONTROLS	2.9000	10
AIR SILENCER	3.2000A	2
AIR INLET HOUSING	3.3000A	23
BLOWER THRU 4D-36456	3.4000	6
BLOWER EFF. WITH 4D-36457	3.4000	11
BLOWER DRIVE SHAFT	3.4000A	1
OIL PUMP	4.1000A	5
OIL DISTRIBUTION SYSTEM	4.1000B	22
OIL PRESSURE REGULATOR	4.1000C	3
OIL FILTER	4.2000A	22
OIL COOLER	4.4000A	31
OIL FILLER	4.5000A	4
DIPSTICK THRU 4D-30667	4.6000A	18
DIPSTICK EFF. WITH 4D-30668	4.6000A	54
OIL PAN	4.7000A	20
VENTILATING SYSTEM	4.8000A	25
FRESH WATER PUMP	5.1000	15
THERMOSTAT	5.2000B	12
WATER BY-PASS TUBE	5.2000C	34
WATER CONNECTIONS	5.3000B	21
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	12
EXHAUST MANIFOLD EFF. WITH 4D-62199	6.1000A	39
EXHAUST MUFFLER CONNECTIONS	6.2000A	17
BATTERY CHARGING GENERATOR	7.1000A	81
STARTING MOTOR	7.3000A	25
HYDRAULIC MARINE GEAR	9.1000A	54
ENGINE MOUNTS	11.1000A	41

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	27
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	40
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 GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	102
AIR SILENCER	3.2000A	27
AIR INLET HOUSING	3.3000A	230
BLOWER	3.4000	63
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	108
OIL COOLER	4.4000A	316
OIL FILLER	4.5000A	45
DIPSTICK	4.6000A	186
OIL PAN	4.7000A	206
VENTILATING SYSTEM	4.8000A	250
FRESH WATER PUMP	5.1000	61
THERMOSTAT THRU 4D-4723	5.2000B	88
THERMOSTAT EFF. WITH 4D-4724, STD. EQUIP. PRIOR TO 4D-11194	5.2000B	105
THERMOSTAT	5.2000B	123
WATER BY-PASS TUBE	5.2000C	167
EXHAUST MANIFOLD	6.1000A	126
EXHAUST MUFFLER FLANGE	6.2000A	176
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.
CYLINDER BLOCK	1.1000
AIR BOX DRAINS	1.1000A
CYLINDER HEAD	1.2000
ENGINE LIFTER BRACKET	1.2000A
CRANKSHAFT	1.3000
CRANKSHAFT FRONT COVER	1.3000A
FLYWHEEL	1.4000A
FLYWHEEL HOUSING	1.5000A
CONNECTING ROD AND PISTON	1.6000
CAMSHAFT AND GEAR TRAIN	1.7000
VALVE OPERATING MECHANISM	1.8000
ROCKER COVER	1.8000A
FUEL INJECTOR	2.1000A
FUEL PUMP THRU 4D-78175	2.2000
FUEL PUMP EFF. WITH 4D-78176	2.2000
FUEL FILTER	2.3000A
FUEL MANIFOLD CONNECTIONS	2.4000
FUEL LINES	2.5000A
MECHANICAL GOVERNOR	2.7000A
INJECTOR CONTROLS	2.9000
THROTTLE CONTROLS	2.9000A
AIR SILENCER	3.2000A
AIR INLET HOUSING	3.3000A
BLOWER THRU 4D-40305	3.4000
BLOWER EFF. WITH 4D-40306	3.4000
BLOWER DRIVE SHAFT	3.4000A
TURBOCHARGER	3.5000A
OIL PUMP	4.1000A
OIL DISTRIBUTION SYSTEM THRU 4D-29138	4.1000B
OIL DISTRIBUTION SYSTEM EFF. WITH 4D-29139	4.1000B
OIL PRESSURE REGULATOR	4.1000C
OIL FILTER	4.2000A
OIL COOLER (ENGINE)	4.4000A
OIL COOLER (MARINE GEAR)	4.4000A
OIL FILLER	4.5000A
DIPSTICK THRU 4D-29138	4.6000A
DIPSTICK EFF. WITH 4D-29139	4.6000A
OIL PAN THRU 4D-29138	4.7000A
OIL PAN EFF. WITH 4D-29139	4.7000A
VENTILATING SYSTEM	4.8000A
FRESH WATER PUMP	5.1000
THERMOSTAT	5.2000B
WATER BY-PASS TUBE	5.2000C
WATER CONNECTIONS	5.3000B
HEAT EXCHANGER	5.5000A
RAW WATER PUMP	5.6000A
EXHAUST MANIFOLD THRU 4D-62198	6.1000A
EXHAUST MANIFOLD EFF. WITH 4D-62199	6.1000A
EXHAUST MUFFLER CONNECTIONS	6.2000A
BATTERY CHARGING GENERATOR	7.1000A
STARTING MOTOR	7.3000A
HYDRAULIC MARINE GEAR	9.1000A
ENGINE MOUNTS	11.1000A

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
YLINDER BLOCK THRU 4D-75730	1.1000	91
YLINDER BLOCK EFF. WITH 4D-75731 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	30
YLINDER BLOCK	1.1000	•
IR BOX DRAINS THRU 4D-11689	1.1000A	63
IR BOX DRAINS EFF. WITH 4D-11690	1.1000A	25
IR BOX DRAINS	1.1000A	•
YLINDER HEAD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000	25
YLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
RANKSHAFT	1.3000	21
RANKSHAFT FRONT COVER	1.3000A	•
RANKSHAFT PULLEY	1.3000C	•
RANKSHAFT PULLEY BELT	1.3000D	•
LYWHEEL	1.4000A	•
LYWHEEL 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	•
AMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
AMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	270
ALANCE WEIGHT COVER	1.7000A	•
ALVE OPERATING MECHANISM THRU 4D-158185	1.8000	32
ALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
ALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
ALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	122
ALVE OPERATING MECHANISM EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	167
ALVE OPERATING MECHANISM	1.8000	•
OCKER COVER	1.8000A	•
UEL INJECTOR	2.1000A	•
UEL PUMP THRU 4D-78175	2.2000	34
UEL PUMP EFF. WITH 4D-78176 AND THRU 4D-172166	2.2000	136
UEL PUMP EFF. WITH 4D-172167	2.2000	178
UEL FILTER THRU 4D-175673	2.3000A	157
UEL FILTER EFF. WITH 4D-175674	2.3000A	•
UEL MANIFOLD CONNECTIONS	2.4000	48
UEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
JECTOR CONTROLS THRU 4D-159163	2.9000	90
JECTOR CONTROLS EFF. WITH 4D-159164 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	282
JECTOR CONTROLS	2.9000	•
HROTLE CONTROLS	2.9000A	•
IR INLET HOUSING	3.3000A	•
LOWER THRU 4D-36456	3.4000	62
LOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	115
LOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	317
LOWER	3.4000	•
LOWER DRIVE SHAFT	3.4000A	17
IL PUMP THRU 4D-200699	4.1000A	52
IL PUMP EFF. WITH 4D-200700	4.1000A	170
IL DISTRIBUTION SYSTEM	4.1000B	•
IL PRESSURE REGULATOR	4.1000C	•
IL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 4D-200700	4.1000C	29
IL FILTER	4.2000A	•
IL COOLER	4.4000A	•
IL FILLER	4.5000A	•
IPSTICK	4.6000A	•
IL PAN	4.7000A	•
ENTILATING SYSTEM	4.8000A	•
RESH WATER PUMP THRU 4D-66996	5.1000	39
RESH WATER PUMP EFF. WITH 4D-66997 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.1000	146
RESH WATER PUMP	5.1000	•
VATER OUTLET ELBOW STD. EQUIP. PRIOR TO 4D-66996	5.2000A	•
HERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
HERMOSTAT	5.2000B	•
VATER BY-PASS TUBE THRU 4D-66996	5.2000C	130
VATER BY-PASS TUBE EFF. WITH 4D-66997	5.2000C	318
VATER BY-PASS TUBE	5.2000C	•

DETROIT DIESEL 53 MPC ENGINES

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.
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
YLINDER BLOCK THRU 4D-75730	1.1000	91
YLINDER BLOCK EFF. WITH 4D-75731	1.1000	30
IR BOX DRAINS	1.1000A	63
YLINDER HEAD	1.2000	57
RANKSHAFT	1.3000	21
RANKSHAFT FRONT COVER	1.3000A	48
RANKSHAFT PULLEY	1.3000C	111
YWHEEL	1.4000A	402
YWHEEL HOUSING	1.5000A	388
CONNECTING ROD AND PISTON	1.6000	77
AMSHAFT AND GEAR TRAIN	1.7000	34
ALVE OPERATING MECHANISM	1.8000	32
CKER COVER	1.8000A	40
JEL INJECTOR STD. EQUIP. PRIOR TO 4D-92156	2.1000A	74
JEL PUMP THRU 4D-78175	2.2000	60
JEL PUMP EFF. WITH 4D-78176	2.2000	147
JEL FILTER	2.3000A	229
JEL MANIFOLD CONNECTIONS	2.4000	48
JEL LINES	2.5000A	561
MECHANICAL GOVERNOR STD. EQUIP. PRIOR TO 4D-82336	2.7000A	605
IJECTOR CONTROLS	2.9000	90
HROTTLER CONTROLS	2.9000A	558
IR INLET HOUSING	3.3000A	142
LOWER THRU 4D-36456	3.4000	62
LOWER EFF. WITH 4D-36457	3.4000	115
LOWER DRIVE SHAFT	3.4000A	17
IL PUMP	4.1000A	52
IL DISTRIBUTION SYSTEM	4.1000B	196
IL PRESSURE REGULATOR	4.1000C	9
IL FILTER (CUSTOMER FURNISHED)	4.2000A	NONE
IL FILTER LINES THRU 4D-21622	4.3000A	98
IL FILTER LINES EFF. WITH 4D-21623	4.3000A	140
IL COOLER	4.4000A	239
IL FILLER	4.5000A	44
IPSTICK	4.6000A	261
IL PAN THRU 4D-77320	4.7000A	157
IL PAN EFF. WITH 4D-77321	4.7000A	591
ENTILATING SYSTEM	4.8000A	222
RESH WATER PUMP THRU 4D-66741	5.1000	70
RESH WATER PUMP EFF. WITH 4D-66742	5.1000	146
ATER OUTLET MANIFOLD	5.2000A	67
HERMOSTAT	5.2000B	91
ATER BY-PASS TUBE THRU 4D-66741	5.2000C	182
ATER BY-PASS TUBE EFF. WITH 4D-66742	5.2000C	318
ATER CONNECTIONS	5.3000B	117
HAUST MANIFOLD	6.1000A	223
HAUST MUFFLER CONNECTIONS	6.2000A	243
TARTING MOTOR	7.3000A	213
ACHOMETER DRIVE THRU 4D-22699	7.4000B	200
ACHOMETER DRIVE EFF. WITH 4D-22700 AND THRU 4D-59470	7.4000B	401
ACHOMETER DRIVE EFF. WITH 4D-59471	7.4000B	280
GINE MOUNTS THRU 4D-107448	11.1000A	420

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.
CYLINDER BLOCK	1.1000
AIR BOX DRAINS	1.1000A
CYLINDER HEAD	1.2000
ENGINE LIFTER BRACKET	1.2000A
CRANKSHAFT THRU 4D-173283	1.3000
CRANKSHAFT EFF. WITH 4D-173284	1.3000
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
VALVE OPERATING MECHANISM	1.8000
ROCKER COVER	1.8000A
FUEL INJECTOR	2.1000A
FUEL PUMP THRU 4D-172166	2.2000
FUEL PUMP EFF. WITH 4D-172167	2.2000
FUEL FILTER	2.3000A
FUEL MANIFOLD CONNECTIONS	2.4000
FUEL LINES	2.5000A
MECHANICAL GOVERNOR	2.7000A
INJECTOR CONTROLS THRU 4D-159163	2.9000
INJECTOR CONTROLS EFF. WITH 4D-159164	2.9000
THROTTLE CONTROLS	2.9000A
AIR INLET HOUSING	3.3000A
BLOWER	3.4000
BLOWER DRIVE SHAFT	3.4000A
OIL PUMP	4.1000A
OIL DISTRIBUTION SYSTEM	4.1000B
OIL PRESSURE REGULATOR	4.1000C
OIL FILTER	4.2000A
OIL COOLER THRU 4D-173283	4.4000A
OIL COOLER EFF. WITH 4D-173284	4.4000A
OIL FILLER CAP	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
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
TACHOMETER DRIVE	7.4000B
ENGINE MOUNTS	11.1000A

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	145
CRANK BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
CRANK LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	68
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
TYRE WHEEL	1.4000A	•
TYRE WHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	98
CONNECTING ROD AND PISTON	1.6000	•
CRANKSHAFT AND GEAR TRAIN	1.7000	137
VALVE OPERATING MECHANISM	1.8000	122
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	282
CRANK INLET HOUSING	3.3000A	•
LOWER	3.4000	234
LOWER DRIVE SHAFT	3.4000A	17
L PUMP	4.1000A	52
L DISTRIBUTION SYSTEM	4.1000B	•
L PRESSURE REGULATOR	4.1000C	9
L FILTER	4.2000A	•
L COOLER	4.4000A	•
L FILLER	4.5000A	•
PISTON	4.6000A	•
L 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	318
WATER CONNECTIONS	5.3000B	117
WATER IN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTION	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
CLUTCH HOUSING	8.1000A	•

STANDARD OPTION REFER TO OPTION PLATE.

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.
CYLINDER BLOCK THRU 4D-75730	1.1000
CYLINDER BLOCK EFF. WITH 4D-75731	1.1000
AIR BOX DRAINS THRU 4D-11690	1.1000A
AIR BOX DRAINS EFF. WITH 4D-11691	1.1000A
CYLINDER HEAD	1.2000
ENGINE LIFTER BRACKET	1.2000A
CRANKSHAFT	1.3000
CRANKSHAFT FRONT COVER THRU 4D-115677	1.3000A
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678	1.3000A
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 4D-1960	1.3000C
CRANKSHAFT PULLEY BELT	1.3000D
FLYWHEEL	1.4000A
FLYWHEEL HOUSING	1.5000A
CONNECTING ROD AND PISTON THRU 4D-14985	1.6000
CONNECTING ROD AND PISTON EFF. WITH 4D-14986	1.6000
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000
ROCKER COVER	1.8000A
FUEL INJECTOR 45 THRU 4D-1609	2.1000A
FUEL INJECTOR S45 EFF. WITH 4D-1610	2.1000A
FUEL INJECTOR STD. EQUIP. PRIOR TO 4D-92156	2.1000A
FUEL PUMP THRU 4D-78175	2.2000
FUEL PUMP EFF. WITH 4D-78176 AND THRU 4D-172166	2.2000
FUEL PUMP EFF. WITH 4D-172167	2.2000
FUEL FILTER	2.3000A
FUEL MANIFOLD CONNECTIONS	2.4000
FUEL LINES	2.5000A
MECHANICAL GOVERNOR	2.7000A
INJECTOR CONTROLS THRU 4D-159163	2.9000
INJECTOR CONTROLS EFF. WITH 4D-159164	2.9000
THROTTLE CONTROLS	2.9000A
AIR INLET HOUSING	3.3000A
BLOWER THRU 4D-36456	3.4000
BLOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000
BLOWER EFF. WITH 4D-180939	3.4000
BLOWER DRIVE SHAFT	3.4000A
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 THRU 4D-66634	5.1000
FRESH WATER PUMP EFF. WITH 4D-66635	5.1000
WATER OUTLET MANIFOLD	5.2000A
THERMOSTAT	5.2000B
WATER BY-PASS TUBE THRU 4D-66634	5.2000C
WATER BY-PASS TUBE EFF. WITH 4D-66635	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
INSTRUMENTS	7.4000A

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 THRU 4D-11689	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	24
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-115677	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 4D-904	1.3000C	111
CRANKSHAFT PULLEY BELT STD. EQUIP. PRIOR TO 4D-029	1.3000D	176
FLYWHEEL	1.4000A	294
FLYWHEEL HOUSING THRU 4D-17433	1.5000A	175
FLYWHEEL HOUSING EFF. WITH 4D-17434	1.5000A	345
CONNECTING ROD AND PISTON THRU 4D-14985	1.6000	27
CONNECTING ROD AND PISTON EFF. WITH 4D-14986	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	270
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	186
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	186
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	171
ROCKER COVER	1.8000A	40
FUEL INJECTOR THRU 4D-1608	2.1000A	40
FUEL INJECTOR EFF. WITH 4D-1609 STD. EQUIP. PRIOR TO 4D-92156	2.1000A	52
FUEL INJECTOR	2.1000A	76
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	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	357
MECHANICAL GOVERNOR VARIABLE, THRU 4D-6000	2.7000A	510
MECHANICAL GOVERNOR, VARIABLE, EFF. WITH 4D-6001 STD. EQUIP. PRIOR TO 4D-82397	2.7000A	1699
INJECTOR CONTROLS THRU 4D-159163	2.9000	90
INJECTOR CONTROLS EFF. WITH 4D-159164	2.9000	282
AIR INLET HOUSING	3.3000A	597
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	115
BLOWER EFF. WITH 4D-180939	3.4000	317
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM THRU 4D-1002	4.1000B	166
OIL DISTRIBUTION SYSTEM EFF. WITH 4D-1003	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 4D-21283	4.2000A	108
OIL FILTER EFF. WITH 4D-21284	4.2000A	227
OIL COOLER	4.4000A	226
OIL FILLER	4.5000A	44
DIPSTICK THRU 4D-1483	4.6000A	107
DIPSTICK EFF. WITH 4D-1484 AND THRU 4D-6813	4.6000A	168
DIPSTICK EFF. WITH 4D-6814	4.6000A	261
OIL PAN THRU 4D-1002	4.7000A	106
OIL PAN EFF. WITH 4D-1003 AND THRU 4D-77320	4.7000A	145
OIL PAN EFF. WITH 4D-77321	4.7000A	591
VENTILATING SYSTEM	4.8000A	197
FRESH WATER PUMP	5.1000	38
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN STD. EQUIP. PRIOR TO 4D-030	5.4000A	310
EXHAUST MANIFOLD THRU 4D-140	6.1000A	119
EXHAUST MANIFOLD EFF. WITH 4D-141 AND THRU 4D-519	6.1000A	134
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 4D-520	6.1000A	218
EXHAUST MUFFLER (GASKET ONLY)	6.2000A	255

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DETROIT DIESEL 53 MPC ENGINES
STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
BATTERY CHARGING GENERATOR 12V., 25 AMP., CCW THRU 4D-3714	7.1000A	590
BATTERY CHARGING GENERATOR 12V., 25 AMP., CCW EFF. WITH 4D-3715 AND THRU 4D-74631	7.1000A	816
BATTERY CHARGING GENERATOR 12V., 42 AMP., CCW STD. EQUIP. PRIOR TO 4D-74632	7.1000A	2157
STARTING MOTOR THRU 4D-12899	7.3000A	170
STARTING MOTOR EFF. WITH 4D-12900	7.3000A	255
INSTRUMENTS STD. EQUIP. PRIOR TO 4D-113256	7.4000A	371
TACHOMETER DRIVE	7.4000B	507
SHUT-OFF SYSTEM STD. EQUIP. PRIOR TO 4D-030	7.4000C	352
ENGINE MOUNTS	11.1000A	306

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
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	402
FLYWHEEL HOUSING	1.5000A	213
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	31
ROCKER COVER	1.8000A	40
FUEL INJECTOR THRU 4D-1608	2.1000A	40
FUEL INJECTOR EFF. WITH 4D-1609	2.1000A	52
FUEL PUMP	2.2000	34
FUEL FILTER	2.3000A	229
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-6118	2.5000A	498
FUEL LINES EFF. WITH 4D-6119	2.5000A	561
MECHANICAL GOVERNOR THRU 4D-3999	2.7000A	562
MECHANICAL GOVERNOR EFF. WITH 4D-4000	2.7000A	605
INJECTOR CONTROLS	2.9000	90
THROTTLE CONTROLS	2.9000A	558
AIR INLET HOUSING	3.3000A	142
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	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER LINES	4.3000A	98
OIL COOLER	4.4000A	239
OIL FILLER	4.5000A	44
DIPSTICK THRU 4D-6762	4.6000A	168
DIPSTICK EFF. WITH 4D-6763	4.6000A	261
OIL PAN	4.7000A	157
VENTILATING SYSTEM	4.8000A	222
FRESH WATER PUMP THRU 4D-6118	5.1000	39
FRESH WATER PUMP EFF. WITH 4D-6119	5.1000	70
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	91
WATER BY-PASS TUBE THRU 4D-6118	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 4D-6119	5.2000C	182
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD THRU 4D-9739	6.1000A	166
EXHAUST MANIFOLD EFF. WITH 4D-9740	6.1000A	223
EXHAUST MUFFLER CONNECTIONS THRU 4D-9739	6.2000A	17
EXHAUST MUFFLER CONNECTIONS EFF. WITH 4D-9740	6.2000A	243
STARTING MOTOR	7.3000A	213
TACHOMETER DRIVE	7.4000B	289

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	24
ENGINE LIFTER BRACKET THRU 4D-115677	1.2000A	30
ENGINE LIFTER BRACKET EFF. WITH 4D-115678	1.2000A	175
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	229
FLYWHEEL	1.4000A	294
FLYWHEEL HOUSING	1.5000A	345
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE AND INJECTOR OPERATING MECHANISM	1.8000	31
ROCKER COVER	1.8000A	40
FUEL INJECTOR STD. EQUIP. PRIOR TO 4D-92156	2.1000A	52
FUEL PUMP	2.2000	34
FUEL FILTER	2.3000A	575
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1209
MECHANICAL GOVERNOR STD. EQUIP. PRIOR TO 4D-106740	2.7000A	604
INJECTOR CONTROLS	2.9000	192
AIR INLET HOUSING	3.3000A	156
BLOWER	3.4000	115
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	226
OIL FILLER	4.5000A	44
DIPSTICK	4.6000A	261
OIL PAN	4.7000A	145
VENTILATING SYSTEM	4.8000A	197
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	310
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	255
BATTERY CHARGING GENERATOR STD. EQUIP. PRIOR TO 4D-82271	7.1000A	1693
STARTING MOTOR THRU 4D-89928	7.3000A	212
STARTING MOTOR EFF. WITH 4D-89929 AND THRU 4D-91597	7.3000A	297
STARTING MOTOR EFF. WITH 4D-91598	7.3000A	298
TACHOMETER DRIVE THRU 4D-90094	7.4000B	507
TACHOMETER DRIVE EFF. WITH 4D-90095	7.4000B	547
AUTOMATIC SHUTDOWN	7.4000C	869
OVERSPEED GOVERNOR	7.4000C	568
COLD WEATHER STARTING AID	12.6000C	45

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
YLINDER BLOCK	1.1000	30
IR BOX DRAINS PRIOR TO 4D-11690	1.1000A	32
IR BOX DRAINS EFFECTIVE WITH 4D-11690	1.1000A	63
YLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET (OPTIONAL EQUIP. EFF. WITH 4D-14227, STANDARD EQUIP. NOT SHOWN ON OPTION PLATE PRIOR TO THIS SERIAL NUMBER.)	1.2000A	30
ENGINE LIFTER BRACKET (USE WITH RADIATOR SHEEL & SHORT HOODS)	1.2000A	42
RANKSHAFT	1.3000	21
RANKSHAFT FRONT COVER (NO AIR COMPRESSOR OR VACUUM PUMP)	1.3000A	48
RANKSHAFT FRONT COVER (WITH AIR COMPRESSOR OR VACUUM PUMP)	1.3000A	57
RANKSHAFT PULLEY	1.3000C	111
RANKSHAFT PULLEY BELT (WITH 1:1 RATIO FAN)	1.3000D	176
RANKSHAFT PULLEY BELT (WITH 1.25:1 RATIO FAN)	1.3000D	91
LYWHEEL (DELCO POWER GENERATOR)	1.4000A	331
LYWHEEL (TWIN DISC PTO C-110 HP2)	1.4000A	340
LYWHEEL (TWIN DISC CLUTCH C111 OR ROCKFORD PTA 31120)	1.4000A	325
LYWHEEL (LIPE ROLLWAY 13 ML CLUTCH)	1.4000A	326
LYWHEEL (10" CLUTCH)	1.4000A	327
LYWHEEL (ROCKFORD 14" TT CLUTCH)	1.4000A	328
LYWHEEL (ALLISON CRT 3331 OR TC 300)	1.4000A	336
LYWHEEL (ROCKFORD 11" TT CLUTCH)	1.4000A	324
LYWHEEL (8" CLUTCH)	1.4000A	297
LYWHEEL (10" CLUTCH, DETROIT DIESEL PTO)	1.4000A	305
LYWHEEL (10" CLUTCH)	1.4000A	296
LYWHEEL HOUSING	1.5000A	177
LYWHEEL HOUSING	1.5000A	345
LYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	27
AMSHAFT AND GEAR TRAIN	1.7000	34
CESSORY DRIVE (DOUBLE GROOVE PULLEY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	1.7000B	60
ALVE OPERATING MECHANISM	1.8000	32
ALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
ALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
ALVE OPERATING MECHANISM EFF. WITH 4D-167111	1.8000	122
OCKER COVER (PLAIN)	1.8000A	40
OCKER COVER (WITH OIL FILLER HOLE)	1.8000A	41
UEL INJECTOR	2.1000A	51
UEL INJECTOR	2.1000A	52
UEL PUMP	2.2000	34
UEL FILTER (WITH ENGINE OIL COOLER)	2.3000A	157
UEL FILTER (WITH ENGINE AND TORQUE CONVERTER OIL COOLER)	2.3000A	188
UEL MANIFOLD CONNECTIONS	2.4000	48
UEL LINES (WITH ENGINE OIL COOLER)	2.5000A	427
UEL LINES (WITH ENGINE AND TORQUE CONVERTER OIL COOLER)	2.5000A	673
MECHANICAL GOVERNOR (VARIABLE SPEED, CLOSED LINKAGE)	2.7000A	602
MECHANICAL GOVERNOR (VARIABLE SPEED, OPEN LINKAGE)	2.7000A	597
GOVERNOR - MECHANICAL (LIMITING SPEED)	2.7000A	589
NJECTOR CONTROL TUBE	2.9000	90
HROTTLE CONTROLS (WITH CLOSED LINKAGE GOVERNOR)	2.9000A	603
HROTTLE CONTROLS (WITH OPEN LINKAGE GOVERNOR)	2.9000A	504
IR CLEANER (LIGHT DUTY, 11") (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	3.1000A	198
IR CLEANER (LIGHT DUTY, 12") (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	3.1000A	150
IR CLEANER (LIGHT DUTY, DUAL) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	3.1000A	149
IR INLET HOUSING (MANUAL SHUTDOWN)	3.3000A	142
LOWER THRU 4D-36456	3.4000	62
LOWER EFFECTIVE WITH 4D-36457	3.4000	115
LOWER DRIVE SHAFT	3.4000A	17
IL PUMP	4.1000A	52
IL DISTRIBUTION SYSTEM (10 DEG. INCLINED OPERATION)	4.1000B	196
IL DISTRIBUTION SYSTEM (20 DEG. INCLINED OPERATION)	4.1000B	213
IL PRESSURE REGULATOR	4.1000C	9
IL FILTER (MOUNTED ON OIL COOLER ADAPTOR)	4.2000A	227
IL FILTER (REMOTE MOUNTED)	4.2000A	130

DETROIT DIESEL 53 MPC ENGINES

5043-5200

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	
OIL FILTER LINES (ADAPTOR ONLY)	4.3000A	
OIL COOLER (ENGINE OIL)	4.4000A	
OIL COOLER (ENGINE AND TORQUE CONVERTER OIL)	4.4000A	
OIL FILLER (ON ROCKER COVER)	4.5000A	
OIL FILLER (ON BREATHER)	4.5000A	
DIPSTICK (10 DEG. INCLINED OPERATION)	4.6000A	
DIPSTICK (20 DEG. INCLINED OPERATION, WITH 8.42" GUIDE)	4.6000A	
DIPSTICK (20 DEG. INCLINED OPERATION, WITH 6" GUIDE)	4.6000A	
OIL PAN (10 DEG. INCLINED OPERATION, STAMPED)	4.7000A	
OIL PAN (20 DEG. INCLINED OPERATION, CAST)	4.7000A	
VENTILATING SYSTEM (PLAIN)	4.8000A	
VENTILATING SYSTEM (WITH OIL FILLER HOLE)	4.8000A	
FRESH WATER PUMP	5.1000	
WATER OUTLET ELBOW (VERTICAL OUTLET)	5.2000A	
WATER OUTLET ELBOW (HORIZONTAL OUTLET)	5.2000A	
THERMOSTAT	5.2000B	
WATER BY-PASS TUBE	5.2000C	
RADIATOR (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.3000A	
RADIATOR (CORE ONLY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.3000A	
WATER CONNECTIONS (NO RADIATOR CONNECTIONS, WITH MANUAL OR NO SHUTDOWN)	5.3000B	
WATER CONNECTIONS (WITH RADIATOR CONNECTIONS, WITH MANUAL OR NO SHUTDOWN)	5.3000B	
WATER CONNECTIONS (NO RADIATOR CONNECTIONS, WITH MECHANICAL SHUTDOWN)	5.3000B	
WATER CONNECTIONS (WITH RADIATOR CONNECTIONS, WITH MECHANICAL SHUTDOWN)	5.3000B	
FAN (SUCTION, 22" - 5 BLADE, 1:1 RATIO)	5.4000A	
FAN (BLOWER, 22" - 5 BLADE, 1:1 RATIO)	5.4000A	
FAN (SUCTION, 22" - 5 BLADE, 1.25:1 RATIO)	5.4000A	
FAN (BLOWER, 22" - 5 BLADE, 1.25:1 RATIO)	5.4000A	
EXHAUST MANIFOLD (WITH MECHANICAL SHUTDOWN, VERTICAL CENTER OUTLET)	6.1000A	
EXHAUST MANIFOLD (WITH MANUAL OR NO SHUTDOWN, VERTICAL CENTER OUTLET)	6.1000A	
EXHAUST MANIFOLD (WITH MANUAL OR NO SHUTDOWN, HORIZONTAL CENTER OUTLET)	6.1000A	
EXHAUST MUFFLER CONNECTIONS (3" PIPE THREAD)	6.2000A	
EXHAUST MUFFLER (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	6.2000A	
BATTERY CHARGING GENERATOR (12V., 25 AMP.)	7.1000A	
STARTING MOTOR (12V.)	7.3000A	
INSTRUMENT PANEL (5' CAPILLARY TUBE)	7.4000A	
INSTRUMENT PANEL (10' CAPILLARY TUBE)	7.4000A	
INSTRUMENT PANEL (15' CAPILLARY TUBE)	7.4000A	
INSTRUMENT PANEL (TACHOMETER ONLY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.40 00A	
TACHOMETER DRIVE (DRIVEN FROM BALANCER SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE)	7.4000B	
TACHOMETER DRIVE (DRIVEN FROM GOVERNOR SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	
TACHOMETER DRIVE (NO OIL SEAL, DRIVEN FROM BALANCER SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	
TACHOMETER DRIVE (WITH OIL SEAL, DRIVEN FROM BALANCER SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	
TACHOMETER DRIVE (DRIVEN FROM CAMSHAFT, CHANGES ROTATION) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	
OVERSPEED GOVERNOR	7.4000C	
POWER TAKE-OFF (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	8.1000A	
ENGINE HOODS	10.1000A	
ENGINE MOUNTING (FRONT ONLY, STATIONARY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	11.1000A	
ENGINE MOUNTING (FRONT ONLY, LIGHT DUTY TRUNNION) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	11.1000A	
ENGINE MOUNTING (FRONT ONLY, LIGHT DUTY TRUNNION) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	11.1000A	
COLD WEATHER STARTING AID (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.6000C	

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
CRANK BOX DRAINS THRU 4D-11689	1.1000A	25
CRANK BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	48
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
CRANKWHEEL	1.4000A	•
CRANKWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 4D-14985	1.6000	27
CONNECTING ROD AND PISTON EFF. WITH 4D-14986 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CRANKSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
CRANKSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	270
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	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 4D-159163	2.9000	90
INJECTOR CONTROLS EFF. WITH 4D-159164	2.9000	282
THROTTLE CONTROLS	2.9000A	•
CRANK INLET HOUSING	3.3000A	•
LOWER THRU 4D-36456	3.4000	62
LOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	115
LOWER EFF. WITH 4D-180939	3.4000	317
LOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
PIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 4D-66996	5.1000	39
FRESH WATER PUMP EFF. WITH 4D-66997	5.1000	146
WATER OUTLET MANIFOLD STD. EQUIP. PRIOR TO 4D-66996	5.2000A	•
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 4D-66996	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 4D-66997	5.2000C	318
WATER CONNECTIONS	5.3000B	•
WATER	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
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	30
AIR BOX DRAINS THRU 4D-11689	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	57
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	402
FLYWHEEL HOUSING THRU 4D-22684	1.5000A	213
FLYWHEEL HOUSING EFF. WITH 4D-22685	1.5000A	388
CONNECTING ROD AND PISTON THRU 4D-21258	1.6000	66
CONNECTING ROD AND PISTON EFF. WITH 4D-21259	1.6000	77
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	47
ROCKER COVER	1.8000A	40
FUEL INJECTOR	2.1000A	52
FUEL PUMP	2.2000	60
FUEL FILTER	2.3000A	229
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	561
MECHANICAL GOVERNOR	2.7000A	605
INJECTOR CONTROLS	2.9000	90
THROTTLE CONTROLS	2.9000A	558
AIR INLET HOUSING	3.3000A	142
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457	3.4000	116
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER LINES THRU 4D-21622	4.3000A	98
OIL FILTER LINES EFF. WITH 4D-21623	4.3000A	140
OIL COOLER	4.4000A	239
OIL FILLER	4.5000A	44
DIPSTICK	4.6000A	261
OIL PAN	4.7000A	157
VENTILATING SYSTEM	4.8000A	222
FRESH WATER PUMP	5.1000	70
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	91
WATER BY-PASS TUBE	5.2000C	182
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD THRU 4D-10166	6.1000A	166
EXHAUST MANIFOLD EFF. WITH 4D-10167	6.1000A	223
EXHAUST MUFFLER CONNECTIONS THRU 4D-10166	6.2000A	17
EXHAUST MUFFLER CONNECTIONS EFF. WITH 4D-10167	6.2000A	243
STARTING MOTOR	7.3000A	213
TACHOMETER DRIVE	7.4000B	200

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	164
CRANK BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	131
CRANK LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	68
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
CRANKWHEEL	1.4000A	•
CRANKWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	180
CRANKSHAFT AND GEAR TRAIN	1.7000	153
VALVE OPERATING MECHANISM	1.8000	62
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	169
FUEL FILTER	2.3000A	181
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1467
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	270
CRANK INLET HOUSING	3.3000A	574
LOWER	3.4000	273
LOWER DRIVE SHAFT	3.4000A	17
CRANKCHARGER	3.5000A	•
L PUMP	4.1000A	•
L DISTRIBUTION SYSTEM	4.1000B	•
L PRESSURE REGULATOR	4.1000C	•
L FILTER	4.2000A	•
L COOLER	4.4000A	•
L FILLER	4.5000A	•
CRANKSTICK	4.6000A	•
L 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	•
WATER IN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
CRANK COMPRESSOR	12.4000A	•

STANDARD OPTION REFER TO OPTION PLATE.

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000
CYLINDER BLOCK	1.1000
AIR BOX DRAINS	1.1000A
CYLINDER HEAD	1.2000
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	1.2000A
ENGINE LIFTER BRACKET	1.2000A
CRANKSHAFT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000
CRANKSHAFT	1.3000
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 4D-106207 AND THRU 4D-115677	1.3000A
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A
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
CONNECTING ROD AND PISTON	1.6000
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000
BALANCE WEIGHT COVER	1.7000A
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000
ROCKER COVER	1.8000A
FUEL INJECTOR	2.1000A
FUEL PUMP THRU 4D-78175	2.2000
FUEL PUMP EFF. WITH 4D-78176 AND THRU 4D-172166	2.2000
FUEL PUMP EFF. WITH 4D-172167	2.2000
FUEL FILTER	2.3000A
FUEL MANIFOLD CONNECTIONS	2.4000
FUEL LINES	2.5000A
MECHANICAL GOVERNOR	2.7000A
INJECTOR CONTROLS THRU 4D-156694	2.9000
INJECTOR CONTROLS EFF. WITH 4D-156695 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000
INJECTOR CONTROLS	2.9000
THROTTLE CONTROLS	2.9000A
AIR INLET HOUSING	3.3000A
BLOWER THRU 4D-36456	3.4000
BLOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000
BLOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000
BLOWER	3.4000
BLOWER DRIVE SHAFT	3.4000A
OIL PUMP THRU 4D-200699	4.1000A
OIL PUMP EFF. WITH 4D-200700	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
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
YLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	30
YLINDER BLOCK	1.1000	•
IR BOX DRAINS	1.1000A	63
YLINDER HEAD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000	25
YLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
RANKSHAFT	1.3000	21
RANKSHAFT FRONT COVER	1.3000A	•
RANKSHAFT PULLEY	1.3000C	•
RANKSHAFT PULLEY BELT	1.3000D	•
YWHEEL	1.4000A	•
YWHEEL 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	•
AMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	85
AMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	269
ALANCE WEIGHT COVER	1.7000A	•
ALVE OPERATING MECHANISM THRU 4D-158185	1.8000	32
ALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
ALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
ALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	122
ALVE OPERATING MECHANISM EFF. WITH 4D-180939, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	167
ALVE OPERATING MECHANISM	1.8000	•
CKER COVER	1.8000A	•
JEL INJECTOR	2.1000A	•
JEL PUMP THRU 4D-173135	2.2000	127
JEL PUMP EFF. WITH 4D-173136	2.2000	180
JEL FILTER	2.3000A	•
JEL MANIFOLD CONNECTIONS	2.4000	48
JEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
JECTOR CONTROLS THRU 4D-156694	2.9000	120
JECTOR CONTROLS EFF. WITH 4D-156695, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	284
JECTOR CONTROLS	2.9000	•
ROTTLER CONTROLS	2.9000A	•
R INLET HOUSING	3.3000A	•
OWER THRU 4D-36456	3.4000	63
OWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	116
OWER EFF. WITH 4D-180939, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	318
OWER	3.4000	•
OWER DRIVE SHAFT	3.4000A	17
L PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	52
L PUMP	4.1000A	•
L DISTRIBUTION SYSTEM	4.1000B	•
L PRESSURE REGULATOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000C	9
L PRESSURE REGULATOR	4.1000C	•
L FILTER	4.2000A	•
L COOLER	4.4000A	•
L FILLER	4.5000A	•
POSTICK	4.6000A	•
L PAN	4.7000A	•
ENTILATING SYSTEM	4.8000A	•
RESH WATER PUMP	5.1000	•
ATER OUTLET ELBOW	5.2000A	•
HERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
HERMOSTAT	5.2000B	•
ATER BY-PASS TUBE	5.2000C	•
ATER CONNECTIONS	5.3000B	•
IN	5.4000A	•
HAUST MANIFOLD	6.1000A	•
HAUST MUFFLER CONNECTIONS	6.2000A	•
ATTERY CHARGING GENERATOR	7.1000A	•
ARTING MOTOR	7.3000A	•
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	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	70
CRANKSHAFT FRONT COVER THRU 4D-200699	1.3000A	119
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	98
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	138
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
BALANCE WEIGHT COVER EFF. WITH 4D-200700 AND THRU 4D-211727	1.7000A	58
BALANCE WEIGHT COVER EFF. WITH 4D-211728	1.7000A	53
VALVE OPERATING MECHANISM 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-173135	2.2000	127
FUEL PUMP EFF. WITH 4D-173136	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	284
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	318
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP THRU 4D-200699	4.1000A	52
OIL PUMP EFF. WITH 4D-200700	4.1000A	170
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 4D-200699	4.1000C	009
OIL PRESSURE REGULATOR EFF. WITH 4D-200700	4.1000C	29
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILTER LINES	4.3000A	•
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	275
THERMOSTAT	5.2000B	•
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	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	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-200699	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
LYWHEEL	1.4000A	•
LYWHEEL 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 4D-180938	1.7000	34
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
BALANCE WEIGHT COVER EFF. WITH 4D-200700 AND THRU 4D-211727	1.7000A	58
BALANCE WEIGHT COVER EFF. WITH 4D-211728	1.7000A	53
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	41
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 4D-172166	2.2000	127
FUEL PUMP EFF. WITH 4D-172167	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	•
LOWER THRU 4D-180938	3.4000	116
LOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	318
LOWER	3.4000	•
LOWER DRIVE SHAFT	3.4000A	17
OIL PUMP THRU 4D-200699	4.1000A	52
OIL PUMP EFF. WITH 4D-200700	4.1000A	170
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 4D-200699	4.1000C	9
OIL PRESSURE REGULATOR EFF. WITH 4D-200700	4.1000C	29
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
IPSTICK	4.6000A	•
OIL PAN	4.7000A	•
ENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
HERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
HERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
AN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
STARTING MOTOR	7.3000A	•

STANDARD OPTION REFER TO OPTION PLATE.

DETROIT DIESEL 53 MPC ENGINES

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	T
CYLINDER BLOCK	1.1000	
AIR BOX DRAINS	1.1000A	
CYLINDER HEAD	1.2000	
ENGINE LIFTER BRACKET THRU 4D-113987	1.2000A	
ENGINE LIFTER BRACKET EFF. WITH 4D-113988	1.2000A	1
CRANKSHAFT	1.3000	
CRANKSHAFT FRONT COVER THRU 4D-124752	1.3000A	
CRANKSHAFT FRONT COVER EFF. WITH 4D-124753	1.3000A	1
FLYWHEEL STD. EQUIP. PRIOR TO 4D-85205	1.4000A	
FLYWHEEL HOUSING	1.5000A	
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	
CONNECTING ROD AND PISTON	1.6000	
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	2
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	1
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	1
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	1
ROCKER COVER	1.8000A	
FUEL INJECTOR	2.1000A	
FUEL PUMP THRU 4D-172166	2.2000	1
FUEL PUMP EFF. WITH 4D-172167	2.2000	1
FUEL FILTER THRU 4D-175673	2.3000A	1
FUEL FILTER EFF. WITH 4D-175674	2.3000A	7
FUEL MANIFOLD CONNECTIONS	2.4000	
FUEL LINES	2.5000A	3
MECHANICAL GOVERNOR	2.7000A	
INJECTOR CONTROLS THRU 4D-156694	2.9000	1
INJECTOR CONTROLS EFF. WITH 4D-156695	2.9000	2
AIR INLET HOUSING THRU 4D-158258	3.3000A	1
AIR INLET HOUSING EFF. WITH 4D-158259 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	3.3000A	5
AIR INLET HOUSING	3.3000A	
BLOWER THRU 4D-180938	3.4000	1
BLOWER EFF. WITH 4D-180939	3.4000	3
BLOWER DRIVE SHAFT	3.4000A	
OIL PUMP	4.1000A	
OIL DISTRIBUTION SYSTEM	4.1000B	1
OIL PRESSURE REGULATOR	4.1000C	
OIL FILTER THRU 4D-180938	4.2000A	2
OIL FILTER EFF. WITH 4D-180939	4.2000A	4
OIL COOLER	4.4000A	2
OIL FILLER	4.5000A	
DIPSTICK	4.6000A	2
OIL PAN	4.7000A	5
VENTILATING SYSTEM STD. EQUIP. PRIOR TO 4D-95005	4.8000A	
FRESH WATER PUMP	5.1000	1
WATER OUTLET ELBOW	5.2000A	
THERMOSTAT	5.2000B	
WATER BY-PASS TUBE	5.2000C	3
WATER CONNECTIONS	5.3000B	1
FAN	5.4000A	NO
EXHAUST MANIFOLD	6.1000A	2
STARTING MOTOR	7.3000A	

• STANDARD OPTION REFER TO OPTION PLATE.

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 BEING SHOWN ON OPTION PLATE	1.2000A	116
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-200699	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	91
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 4D-180938	1.7000	138
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
BALANCE WEIGHT COVER EFF. WITH 4D-200700 AND THRU 4D-211727	1.7000A	58
BALANCE WEIGHT COVER EFF. WITH 4D-211728	1.7000A	53
VALVE OPERATING MECHANISM THRU 4D-180938	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	176
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	40
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 4D-172166	2.2000	152
FUEL PUMP EFF. WITH 4D-172167	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	224
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000A	856
THROTTLE CONTROLS	2.9000A	•
AIR CLEANER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.1000A	355
AIR CLEANER	3.1000A	•
AIR INLET HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.3000A	514
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	318
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP THRU 4D-200699	4.1000A	52
OIL PUMP EFF. WITH 4D-200700	4.1000A	170
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	250
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 4D-200699	4.1000C	009
OIL PRESSURE REGULATOR EFF. WITH 4D-200700	4.1000C	29
OIL FILTER THRU 4D-180939	4.2000A	313
OIL FILTER EFF. WITH 4D-180940 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	425
OIL FILTER	4.2000A	•
OIL COOLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	226
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	626
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	151
WATER OUTLET MANIFOLD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000A	67
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 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	382
WATER BY-PASS TUBE	5.2000C	•

DETROIT DIESEL 53 MPC ENGINE
STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.
WATER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B
WATER CONNECTIONS	5.3000B
FAN	5.4000A
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A
EXHAUST MANIFOLD	6.1000A
STARTING MOTOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.3000A
STARTING MOTOR	7.3000A
SHUT-OFF OR ALARM SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.4000C
SHUT-OFF OR ALARM SYSTEM	7.4000C
• STANDARD OPTION REFER TO OPTION PLATE.	

ETROIT DIESEL 53 MPC ENGINES

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	145
CRANK BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	46
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
CRYSTAL WHEEL	1.4000A	862
CRYSTAL WHEEL HOUSING	1.5000A	534
CONNECTING ROD AND PISTON	1.6000	98
CRANKSHAFT AND GEAR TRAIN	1.7000	139
VALVE OPERATING MECHANISM	1.8000	122
ROCKER COVER	1.8000A	77
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	411
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	120
INLET HOUSING	3.3000A	596
LOWER	3.4000	116
LOWER DRIVE SHAFT	3.4000A	17
IL PUMP	4.1000A	52
IL DISTRIBUTION SYSTEM	4.1000B	196
IL PRESSURE REGULATOR	4.1000C	9
IL FILTER	4.2000A	224
IL COOLER	4.4000A	239
IL FILLER	4.5000A	18
IPSTICK	4.6000A	261
IL PAN	4.7000A	591
VENTILATING SYSTEM	4.8000A	716
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
AN	5.4000A	1041
EXHAUST MANIFOLD	6.1000A	218
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.	TYP
CYLINDER BLOCK	1.1000	16
AIR BOX DRAINS	1.1000A	6
CYLINDER HEAD	1.2000	2
ENGINE LIFTER BRACKET	1.2000A	17
CRANKSHAFT	1.3000	2
CRANKSHAFT FRONT COVER	1.3000A	4
CRANKSHAFT PULLEY	1.3000C	11
FLYWHEEL	1.4000A	29
FLYWHEEL HOUSING	1.5000A	17
CONNECTING ROD AND PISTON	1.6000	9
CAMSHAFT AND GEAR TRAIN	1.7000	13
VALVE OPERATING MECHANISM	1.8000	12
ROCKER COVER	1.8000A	4
FUEL INJECTOR	2.1000A	7
FUEL PUMP EFF. THRU 4D-172166	2.2000	12
FUEL PUMP EFF. WITH 4D-172167	2.2000	18
FUEL FILTER	2.3000A	68
FUEL MANIFOLD CONNECTIONS	2.4000	4
FUEL LINES	2.5000A	151
MECHANICAL GOVERNOR	2.7000A	59
INJECTOR CONTROLS THRU 4D-156694	2.9000	12
INJECTOR CONTROLS EFF. WITH 4D-156695	2.9000	28
THROTTLE CONTROLS	2.9000A	50
AIR INLET HOUSING	3.3000A	14
BLOWER	3.4000	23
BLOWER DRIVE SHAFT	3.4000A	1
OIL PUMP	4.1000A	5
OIL DISTRIBUTION SYSTEM	4.1000B	19
OIL PRESSURE REGULATOR	4.1000C	
OIL FILTER	4.2000A	35
OIL COOLER	4.4000A	84
OIL FILLER	4.5000A	1
DIPSTICK	4.6000A	26
OIL PAN	4.7000A	59
VENTILATING SYSTEM	4.8000A	19
FRESH WATER PUMP	5.1000	14
WATER OUTLET MANIFOLD	5.2000A	6
THERMOSTAT	5.2000B	7
WATER BY-PASS TUBE	5.2000C	31
WATER CONNECTIONS	5.3000B	11
EXHAUST MANIFOLD	6.1000A	21
EXHAUST MUFFLER CONNECTIONS	6.2000A	24
BATTERY CHARGING GENERATOR	7.1000A	194
STARTING MOTOR	7.3000A	17
INSTRUMENTS	7.4000A	37

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
YLINDER BLOCK	1.1000	30
IR BOX DRAINS	1.1000A	78
YLINDER HEAD	1.2000	25
GINE LIFTER BRACKET STD. EQUIP. PRIOR TO 4D-203934	1.2000A	175
RANKSHAFT	1.3000	21
RANKSHAFT FRONT COVER THRU 4D-132578	1.3000A	59
RANKSHAFT FRONT COVER EFF. WITH 4D-132579 AND THRU 4D-200699	1.3000A	125
RANKSHAFT PULLEY	1.3000C	131
RANKSHAFT PULLEY BELT	1.3000D	229
YWHEEL	1.4000A	334
YWHEEL HOUSING THRU 4D-201961	1.5000A	491
YWHEEL HOUSING EFF. WITH 4D-201962, STD. EQUIP. THRU 4D-204464	1.5000A	647
ONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO 4D-199015	1.6000	61
AMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
AMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	272
ALANCE WEIGHT COVER EFF. WITH 4D-200700 AND THRU 4D-211727	1.7000A	60
ALANCE WEIGHT COVER EFF. WITH 4D-211728	1.7000A	53
ALVE OPERATING MECHANISM THRU 4D-180938	1.8000	32
ALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	163
OCKER COVER	1.8000A	167
JEL INJECTOR	2.1000A	76
JEL PUMP THRU 4D-172166	2.2000	152
JEL PUMP EFF. WITH 4D-172167	2.2000	180
JEL FILTER	2.3000A	403
JEL MANIFOLD CONNECTIONS	2.4000	48
JEL LINES	2.5000A	853
IECHANICAL GOVERNOR	2.7000A	1708
IJECTOR CONTROLS THRU 4D-156694	2.9000	120
IJECTOR CONTROLS EFF. WITH 4D-156695; STD. EQUIP. PRIOR TO 4D-204678	2.9000	284
HROTTLER CONTROLS STD. EQUIP. PRIOR TO 4D-204614	2.9000A	595
IR CLEANER	3.1000A	340
IR INLET HOUSING	3.3000A	596
LOWER THRU 4D-180938	3.4000	116
LOWER EFF. WITH 4D-180939	3.4000	318
LOWER DRIVE SHAFT	3.4000A	17
IL PUMP THRU 4D-200699	4.1000A	52
IL PUMP EFF. WITH 4D-200700	4.1000A	170
IL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 4D-106733	4.1000B	236
IL PRESSURE REGULATOR THRU 4D-200699	4.1000C	9
IL PRESSURE REGULATOR EFF. WITH 4D-200700	4.1000C	29
IL FILTER	4.2000A	130
IL FILTER LINES	4.3000A	131
IL COOLER	4.4000A	806
IL FILLER	4.5000A	95
IPSTICK	4.6000A	756
IL PAN STD. EQUIP. PRIOR TO 4D-106733	4.7000A	492
ENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	491
RESH WATER PUMP THRU 4D-88302	5.1000	155
RESH WATER PUMP EFF. WITH 4D-88303 AND STD. EQUIP. PRIOR TO 4D-118187	5.1000	180
/ATER OUTLET MANIFOLD THRU 4D-25723	5.2000A	99
/ATER OUTLET MANIFOLD EFF. WITH 4D-25724; STD. EQUIP. PRIOR TO 4D-204634	5.2000A	93
HERMOSTAT STD. EQUIP. PRIOR TO 4D-204603	5.2000B	72
/ATER BY-PASS TUBE STD. EQUIP. PRIOR TO 4D-204634	5.2000C	346
/ATER CONNECTIONS STD. EQUIP. PRIOR TO 4D-204582	5.3000B	278
AN	5.4000A	280
XHAUST MANIFOLD STD. EQUIP. PRIOR TO 4D-204634	6.1000A	218
XHAUST MUFFLER CONNECTIONS STD. EQUIP. PRIOR TO 4D-204614	6.2000A	243
ATTERY CHARGING GENERATOR	7.1000A	1734
TARTING MOTOR	7.3000A	297
GINE MOUNTS	11.1000A	430
OLD WEATHER STARTING AID STD. EQUIP. PRIOR TO 4D-110070	12.6000C	56

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS THRU 4D-11690	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11691	1.1000A	63
CYLINDER HEAD	1.2000	24
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 4D-106207 AND THRU 4D-115677	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 4D-184	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON THRU 4D-14985	1.6000	27
CONNECTING ROD AND PISTON EFF. WITH 4D-14986	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	85
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	187
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	187
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	171
ROCKER COVER	1.8000A	41
FUEL INJECTOR EFF. WITH 4D-1610	2.1000A	40
FUEL INJECTOR EFF. WITH 4D-1610	2.1000A	52
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	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	361
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 4D-156694	2.9000	120
INJECTOR CONTROLS EFF. WITH 4D-156695	2.9000	284
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	596
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	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	226
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	261
OIL PAN	4.7000A	591
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP THRU 4D-66634	5.1000	38
FRESH WATER PUMP EFF. WITH 4D-66635	5.1000	145
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 4D-66634	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 4D-66635	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	243
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	30
IR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	24
ENGINE LIFTER BRACKET	1.2000A	30
RANKSHAFT	1.3000	21
RANKSHAFT FRONT COVER THRU 4D-115677	1.3000A	48
RANKSHAFT FRONT COVER EFF. WITH 4D-115678	1.3000A	119
RANKSHAFT PULLEY	1.3000C	111
RANKSHAFT PULLEY BELT	1.3000D	91
LYWHEEL	1.4000A	331
LYWHEEL HOUSING	1.5000A	379
CONNECTING ROD AND PISTON	1.6000	61
AMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	85
AMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	187
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	187
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	171
ROCKER COVER	1.8000A	41
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 4D-172166	2.2000	127
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	361
HYDRAULIC GOVERNOR	2.8000A	998
WATER INLET HOUSING	3.3000A	141
LOWER THRU 4D-180938	3.4000	116
LOWER EFF. WITH 4D-180939	3.4000	318
LOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	226
OIL FILLER	4.5000A	18
WIPSTICK	4.6000A	261
OIL PAN	4.7000A	591
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	152
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	325
WATER CONNECTIONS	5.3000B	117
WATER PUMP	5.4000A	278
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	298
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.
CYLINDER BLOCK	1.1000
AIR BOX DRAINS	1.1000A
CYLINDER HEAD	1.2000
ENGINE LIFTER BRACKET	1.2000A
CRANKSHAFT	1.3000
CRANKSHAFT FRONT COVER THRU 4D-124752	1.3000A
CRANKSHAFT FRONT COVER EFF. WITH 4D-124753	1.3000A
FLYWHEEL STD. EQUIP. PRIOR TO 4D-85205	1.4000A
FLYWHEEL HOUSING	1.5000A
CONNECTING ROD AND PISTON	1.6000
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000
ROCKER COVER	1.8000A
FUEL INJECTOR	2.1000A
FUEL PUMP THRU 4D-172166	2.2000
FUEL PUMP EFF. WITH 4D-172167	2.2000
FUEL FILTER	2.3000A
FUEL MANIFOLD CONNECTIONS	2.4000
FUEL LINES	2.5000A
MECHANICAL GOVERNOR	2.7000A
INJECTOR CONTROLS THRU 4D-156694	2.9000
INJECTOR CONTROLS EFF. WITH 4D-156695	2.9000
AIR INLET HOUSING THRU 4D-158258	3.3000A
AIR INLET HOUSING EFF. WITH 4D-158259 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.3000A
BLOWER THRU 4D-180938	3.4000
BLOWER EFF. WITH 4D-180939	3.4000
BLOWER DRIVE SHAFT	3.4000A
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 STD. EQUIP. PRIOR TO 4D-95001	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
EXHAUST MANIFOLD	6.1000A
STARTING MOTOR	7.3000A

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
CRANK BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	123
ENGINE LIFTER BRACKET	1.2000A	148
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-115677	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
TYRE WHEEL	1.4000A	744
TYRE WHEEL HOUSING	1.5000A	454
CONNECTING ROD AND PISTON	1.6000	61
AMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	85
AMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
ALVE OPERATING MECHANISM THRU 4D-158185	1.8000	31
ALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	188
ALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	31
ALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	188
ALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	172
ROCKER COVER	1.8000A	40
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 4D-172166	2.2000	152
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL PUMP AUXILIARY	2.2000	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
HYDRAULIC GOVERNOR	2.8000A	1026
INJECTOR CONTROLS	2.9000	224
THROTTLE CONTROLS	2.9000A	856
AIR CLEANER ADAPTOR	3.1000A	355
AIR INLET HOUSING	3.3000A	514
LOWER THRU 4D-180938	3.4000	116
LOWER EFF. WITH 4D-180939	3.4000	318
LOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	430
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	313
OIL COOLER	4.4000A	226
OIL FILLER STD. EQUIP. PRIOR TO 4D-29378	4.5000A	50
PISTON	4.6000A	777
OIL PAN	4.7000A	826
ENTILATING SYSTEM	4.8000A	675
FRESH WATER PUMP	5.1000	151
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	382
WATER CONNECTIONS	5.3000B	117
AN STD. EQUIP. PRIOR TO 4D-135404	5.4000A	479
EXHAUST MANIFOLD	6.1000A	224
TARTING MOTOR	7.3000A	299
AUTOMATIC SHUTDOWN	7.4000C	918

DETROIT DIESEL 53 MPC ENGINE !
STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	T
CYLINDER BLOCK	1.1000	
AIR BOX DRAINS	1.1000A	
CYLINDER HEAD	1.2000	
ENGINE LIFTER BRACKET	1.2000A	
CRANKSHAFT	1.3000	
CRANKSHAFT FRONT COVER THRU 4D-115677	1.3000A	
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678	1.3000A	1
CRANKSHAFT PULLEY	1.3000C	1
CRANKSHAFT PULLEY BELT	1.3000D	
FLYWHEEL	1.4000A	3
FLYWHEEL HOUSING	1.5000A	4
CONNECTING ROD AND PISTON	1.6000	
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	2
ACCESSORY DRIVE	1.7000B	2
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	1
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	1
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	1
ROCKER COVER	1.8000A	
FUEL INJECTOR	2.1000A	
FUEL PUMP THRU 4D-172166	2.2000	1
FUEL PUMP EFF. ITH 4D-172167	2.2000	1
FUEL FILTER	2.3000A	1
FUEL MANIFOLD CONNECTIONS	2.4000	
FUEL LINES	2.5000A	4
MECHANICAL GOVERNOR	2.7000A	17
INJECTOR CONTROLS THRU 4D-156694	2.9000	1
INJECTOR CONTROLS EFF. WITH 4D-156695	2.9000	2
THROTTLE CONTROLS	2.9000A	5
AIR INLET HOUSING	3.3000A	5
BLOWER THRU 4D-180938	3.4000	1
BLOWER EFF. WITH 4D-180939	3.4000	3
BLOWER DRIVE SHAFT	3.4000A	
OIL PUMP	4.1000A	
OIL DISTRIBUTION SYSTEM	4.1000B	3
OIL PRESSURE REGULATOR	4.1000C	
OIL FILTER	4.2000A	2
OIL COOLER	4.4000A	2
OIL FILLER	4.5000A	
DIPSTICK	4.6000A	3
OIL PAN	4.7000A	4
VENTILATING SYSTEM	4.8000A	2
FRESH WATER PUMP	5.1000	1
WATER OUTLET MANIFOLD	5.2000A	1
THERMOSTAT	5.2000B	
WATER BY-PASS TUBE	5.2000C	3
WATER CONNECTIONS	5.3000B	1
FAN	5.4000A	2
EXHAUST MANIFOLD	6.1000A	2
EXHAUST MUFFLER CONNECTIONS	6.2000A	2
BATTERY CHARGING GENERATOR	7.1000A	20
STARTING MOTOR	7.3000A	1

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 STD. EQUIP. PRIOR TO 4D-106207 AND THRU 4D-115677	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 4D-2886	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
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	1.8000	122
ROCKER COVER	1.8000A	41
FUEL INJECTOR	2.1000A	76
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	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	361
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 4D-156694	2.9000	120
INJECTOR CONTROLS EFF. WITH 4D-156695	2.9000	284
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	596
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939	3.4000	318
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	226
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	261
OIL PAN	4.7000A	591
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	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	243
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	69
AIR BOX DRAINS	1.1000A	78
CYLINDER HEAD	1.2000	86
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	131
CRANKSHAFT PULLEY BELT	1.3000D	229
FLYWHEEL	1.4000A	493
FLYWHEEL HOUSING THRU 4D-87483	1.5000A	344
FLYWHEEL HOUSING EFF. WITH 4D-87484	1.5000A	491
CONNECTING ROD AND PISTON	1.6000	80
CAMSHAFT AND GEAR TRAIN	1.7000	85
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	167
FUEL INJECTOR	2.1000A	87
FUEL PUMP THRU 4D-78175	2.2000	75
FUEL PUMP EFF. WITH 4D-78176	2.2000	158
FUEL PUMP, AUXILIARY	2.2000	58
FUEL FILTER	2.3000A	403
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	873
MECHANICAL GOVERNOR THRU 4D-52614	2.7000A	601
MECHANICAL GOVERNOR EFF. WITH 4D-52615 AND THRU 4D-60435	2.7000A	665
MECHANICAL GOVERNOR EFF. WITH 4D-60436, STD. EQUIP. PRIOR TO 4D-81927	2.7000A	1122
INJECTOR CONTROLS	2.9000	91
THROTTLE CONTROLS	2.9000A	595
AIR CLEANER	3.1000A	211
AIR INLET HOUSING	3.3000A	141
BLOWER	3.4000	116
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	236
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	130
OIL FILTER LINES EFF. WITH 4D-81661	4.3000A	131
OIL COOLER	4.4000A	444
OIL FILLER	4.5000A	95
DIPSTICK	4.6000A	580
OIL PAN	4.7000A	492
VENTILATING SYSTEM	4.8000A	491
FRESH WATER PUMP THRU 4D-66996	5.1000	129
FRESH WATER PUMP EFF. WITH 4D-66997	5.1000	146
WATER OUTLET ELBOW	5.2000A	99
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 4D-66996	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 4D-66997	5.2000C	318
WATER CONNECTIONS	5.3000B	278
FAN	5.4000A	280
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	243
BATTERY CHARGING GENERATOR	7.1000A	1269
STARTING MOTOR	7.3000A	243
INSTRUMENTS	7.4000A	759
TACHOMETER DRIVE	7.4000B	454
POWER TAKE-OFF ADAPTOR	8.1000A	271
ENGINE MOUNTS	11.1000A	430
COLD WEATHER STARTING AID	12.6000C	45

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	78
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 4D-106207 AND THRU 4D-115677	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678	1.3000A	119
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 4D-180938	1.7000	34
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	270
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	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	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
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	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	318
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP THRU 4D-200699	4.1000A	52
OIL PUMP EFF. WITH 4D-200700	4.1000A	170
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 4D-200700	4.1000C	29
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	•
INSTRUMENTS	7.4000A	•

• STANDARD OPTION REFER TO OPTION PLATE.