

GROUP NOMENCLATURE

1.0000	ENGINE (less major assemblies)	5.0000	COOLING SYSTEM (CONT'D)
1.1000	Cylinder Block	5.3000B	Water Connections
1.1000A	Air Box Drains	5.4000A	Fan
1.2000	Cylinder Head	5.4000B	Fan Shroud
1.2000A	Engine Lifter Bracket	5.5000A	Heat Exchanger or Keel Cooling
1.3000	Crankshaft, Oil Seals and Stabilizers	5.6000A	Raw Water Pump
1.3000A	Crankshaft Front Cover	5.7000A	Water Filter
1.3000B	Vibration Damper		
1.3000C	Crankshaft Pulley	6.0000	EXHAUST SYSTEM
1.3000D	Crankshaft Pulley Belt	6.1000A	Exhaust Manifold and/or Connections
1.4000A	Flywheel	6.2000A	Exhaust Muffler and/or Connections
1.5000A	Flywheel Housing		
1.5000B	Flywheel Housing Adaptor	7.0000	ELECTRICAL INSTRUMENTS
1.6000	Connecting Rod and Piston	7.1000A	Battery Charging Generator
1.7000	Camshaft and Gear Train	7.2000A	Battery Cables
1.7000A	Balance Weight Cover	7.2000B	Automatic Starting
1.7000B	Accessory Drive	7.2000B	Automatic Starting (Twin and Quad)
1.8000	Valve Injector Operating Mechanism	7.3000A	Starting Motor
1.8000A	Rocker Cover	7.4000A	Instruments
		7.4000A	Instruments (Twin and Quad)
2.0000	FUEL SYSTEM	7.4000B	Tachometer Drive
2.1000A	Fuel Injector	7.4000B	Tachometer Drive (Twin and Quad)
2.1000B	Electronic Injector Controls	7.4000C	Shutoff, Alarm and O.S. Governor
2.2000	Fuel Pump	7.4000C	Shutoff, Alarm and O.S. Governor (Twin and Quad)
2.2000A	Fuel Pump Drain	7.5000A	Power Generator
2.3000A	Fuel Filter and Strainer	7.6000A	Control Cabinet
2.3000A	Fuel Filter and Strainer (Twin and Quad)	7.6000A	Control Cabinet (Twin and Quad)
2.4000	Fuel Manifold and/or Connections	7.7000A	Wiring Harness
2.4000A	Dual Fuel System	7.8000A	Air Heater
2.5000A	Fuel Lines and Fuel Cooler	7.8000A	Air Heater (Twin and Quad)
2.5000A	Fuel Lines and Fuel Cooler (Twin and Quad)	7.10000A	Hydraulic Governor Solenoid
2.6000A	Fuel Tank		
2.6000B	Electric Governor	8.0000	POWER TAKE-OFF
2.7000A	Mechanical Governor	8.1000A	Power Take-off and/or Clutch
2.8000A	Hydraulic Governor	8.1000A	Power Take-off and/or Clutch (Twin and Quad)
2.9000	Injector Controls	8.3000A	Torque Converter
2.9000	Injector Controls (Twin and Quad)	8.3000A	Torque Converter (Twin and Quad)
2.9000A	Throttle Controls	8.3000B	Transmission Lines
2.9000A	Throttle Controls (Twin and Quad)		
3.0000	AIR SYSTEM	9.0000	TRANSMISSION AND PROPULSION
3.1000A	Air Cleaner and/or Adaptor	9.1000A	Hydraulic Marine Gear
3.2000A	Air Silencer	9.1000A	Hydraulic Marine Gear (Twin and Quad)
3.3000A	Air Inlet Housing	9.2000A	Reverse and Reduction Gear (mechanical)
3.3000C	Air Intake Manifold	9.3000A	Power Transfer Gear
3.4000	Blower and Drive	9.3000A	Power Transfer Gear (Twin and Quad)
3.4000A	Blower Drive Shaft	9.4000	Transmission—Highway
3.4000B	Blower End Plate Cover	9.7000	Transmission—Off-highway
3.5000A	Turbocharger, Intercooler, and Aftercooler	9.9000	Transmission—Rail Car
4.0000	LUBRICATING SYSTEM	10.0000	SHEET METAL
4.1000A	Oil Pump	10.1000A	Engine Hood
4.1000B	Oil Distribution System		
4.1000C	Oil Pressure Regulator	11.0000	ENGINE MOUNTING
4.2000A	Oil Filter	11.1000A	Engine Mounting and Base
4.3000A	Oil Filter Lines	11.1000A	Engine Mounting and Base (Twin and Quad)
4.4000A	Oil Cooler and Marine Gear Lines		
4.5000A	Oil Filter	12.0000	MISCELLANEOUS
4.6000A	Dipstick	12.2000A	Bilge Pump
4.7000A	Oil Pan	12.3000A	Vacuum Pump
4.8000A	Ventilating System	12.4000A	Air Compressor
5.0000	COOLING SYSTEM	12.5000A	Hydraulic Pump
5.1000	Fresh Water Pump	12.6000A	Gasoline Starter
5.1000A	Fresh Water Pump Cover	12.6000B	Air Starter
5.2000A	Water Outlet Manifold and/or Elbow	12.6000C	Cold Weather Starting Aid
5.2000B	Thermostat	12.6000D	Hydraulic Starter
5.2000C	Water Bypass Tube	12.6000E	Hydraulic Starter Accessories
5.3000A	Radiator	12.8000A	Supplies
		12.8000B	Fabrication Material
		12.8000C	Miscellaneous Service Kits and Sets
		12.8000D	Miscellaneous Service Parts

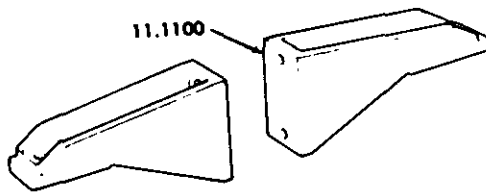


FIG. 1A ENGINE SUPPORT (Rear)

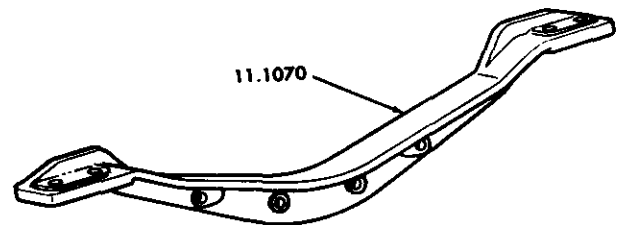


FIG. 1B ENGINE SUPPORT (Front)

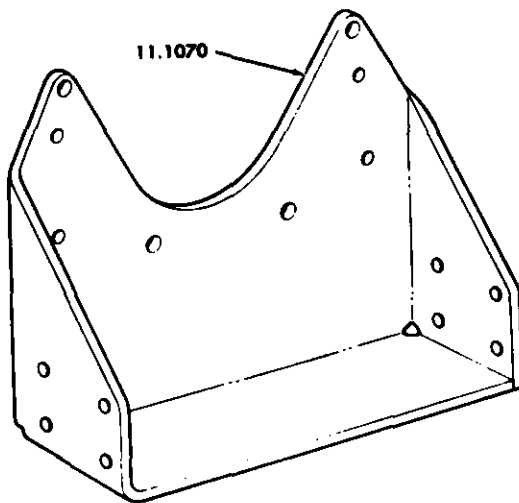


FIG. 1C FRONT ENGINE SUPPORT
(Stationary)

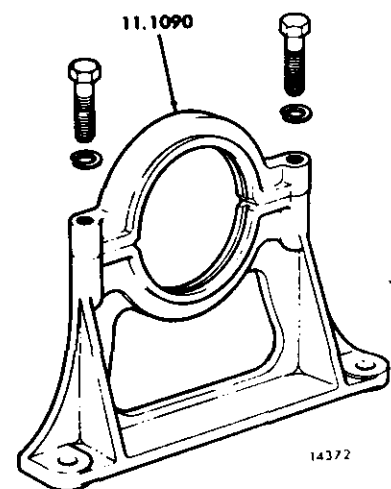


FIG. 1D FRONT ENGINE SUPPORT
(Trunnion)

ENGINE MOUNTS

Figs. 1A, 1B, 1C & 1D of 11.0000

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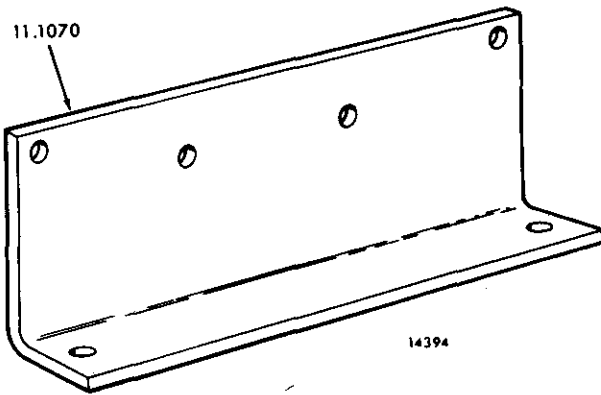


FIG. 1E

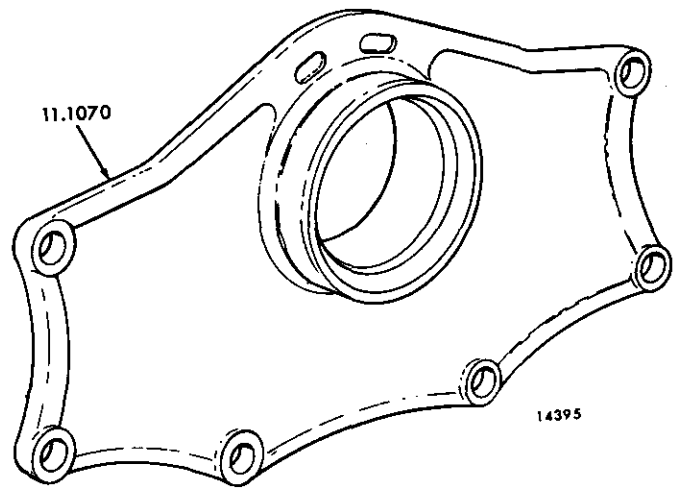


FIG. 1F

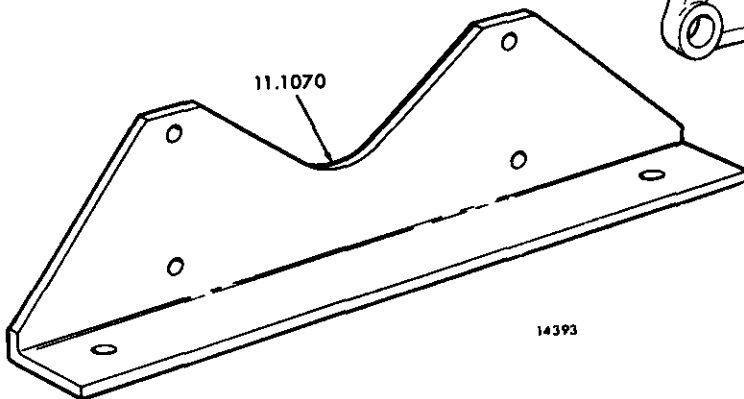


FIG. 1G

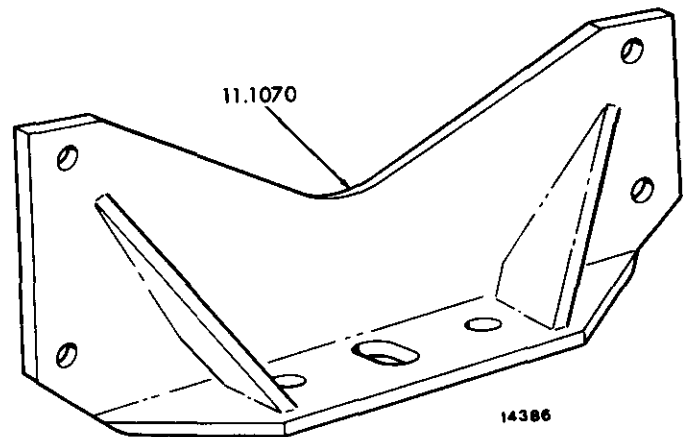


FIG. 1H

ENGINE FRONT SUPPORTS

Figs. 1E, 1F, 1G & 1H of 11.0000

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11.1000A ENGINE MOUNTING AND BASE

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	3 0 6	3 1 1	3 1 5	3 1 6	3 1 7	3 1 8	3 1 9	3 3 7	3 5 2	3 5 3	3 5 4	3 5 5
11.1001 - BASE, ENGINE														
	5116121	+ BASE		1		1								
	5119380	+ BASE					1							
	5119381	+ BASE					1							
	5167615	WASHER, 1/2" BEVEL (11.1073)		10										
		+ NOT SERVICED; CUSTOMER MUST FABRICATE.												
11.1035 - BUSHING, STARTING MOTOR CABLE INSULATION														
	5182781	BUSHING (1 1/2")				1	1							
	5166937	LOCKNUT (1 1/2") (11.1001)				1	1							
11.1070 - SUPPORT, ENGINE FRONT														
1G	5109374	SUPPORT	1											
1G	5126044	* SUPPORT		1										
1G	5109375	SUPPORT			1									
1B	5129068	SUPPORT							1					
1F	5124762	SUPPORT (11.1090)								1				
1C	5125510	SUPPORT									1			
1C	5125511	SUPPORT										1		
1C	5125509	SUPPORT											1	
1F	5128660	SUPPORT												1
1C	5119060	BRACKET					2							
#	186283	BOLT, 3/8"-16 X 3 1/2" (12.9001)	4	6	2					4	4	4	4	4
#	191249	BOLT, 3/8"-16X3 3/4" (12.9001)							2					
	454933	SPACER, 5/8" I.D. X 2.12" L.	2		2						4	4	4	
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)		2						2				2
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)							2					
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)					4							
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)			2									
	271585	BOLT, 5/8"-18X1 3/4" (12.9001)			2									
	103345	WASHER, 5/8" (12.9190)			2									
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR										AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR				AR	AR	AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)						AR						
	103325	LOCKWASHER, 5/8" (12.9200)			2									
	103028	NUT, 1/2"-20 (12.9120)			2									
	117503	NUT, 5/8"-18 (12.9120)			2									
		# FIG. 2A OF 5.0000.												
		* OBSOLETE.												
11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC														
	5118545	MOUNTING ASSY. (CUSHION)		2										
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)		4										
	223747	BOLT, 5/8"-18X4 1/4" (12.9001)		2										

11.1000A ENGINE MOUNTING AND BASE

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	3 0 6	3 1 1	3 1 5	3 1 6	3 1 7	3 1 8	3 1 9	3 3 7	3 5 2	3 5 3	3 5 4	3 5 5
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC (CONT'D)												
	5167615	WASHER, 1/2" BEVEL (11.1073)		4										
	103345	WASHER, 5/8" (12.9190)		8										
	106267	WASHER, 11/16" (12.9190)		12										
	103323	LOCKWASHER, 1/2" (12.9200)		4										
	122761	NUT, 1/2"-20 SL (12.9130)		4										
	9434177	NUT, 5/8"-18 SL (12.9130)		12										
		11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING												
		A SUPPORT ASSY. INCLUDES BOLTS AND LOCKWASHERS.												
1D	5122523	SUPPORT ASSY.												1
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)												2
	103321	LOCKWASHER, 3/8" (12.9200)												2
		11.1094 - RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION												
	5166864	RING (CUSHION)								1				
	5122409	RING (CUSHION)											1	
		11.1100 - SUPPORT, ENGINE REAR												
1A	5119099	BRACKET						2	2					
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)						4	4					
	103322	LOCKWASHER, 7/16" (12.9200)						4	4					
		11.1190 - SUPPORT, GENERATOR MTG.												
	5118545	MOUNTING ASSY. (CUSHION) (11.1072)		2										
	5167615	WASHER, 1/2" BEVEL (11.1073)		4										
	103345	WASHER, 5/8" FLAT (12.9190)		4										
	103323	LOCKWASHER, 1/2" (12.9200)		4										
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)		4										
	223747	BOLT, 5/8"-18X4 1/4" (12.9001)		2										
	122761	NUT, 1/2"-20 HEX. SL (12.9130)		4										
	9434177	NUT, 5/8"-18 SL (12.9130)		4										

11.1000A ENGINE MOUNTING AND BASE

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	357	358	359	370	380	386	389	402	404	405	406	407
11.1001 - BASE, ENGINE MOUNTING														
	5127990	+ BASE												1
	5167615	WASHER, 1/2" BEVEL (11.1073)												10
		+ OBSOLETE.												
11.1050 - RAIL, ENGINE MOUNTING														
	5126294	+ RAIL (RIGHT SIDE)								1				
	5126295	+ RAIL (LEFT SIDE)								1				
	5126305	+ RAIL (FRONT & CENTER)								2				
	5126304	+ RAIL (REAR)								1				
	181428	BOLT, 1/2"-20X1 1/8" (12.9001)								12				
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)								4				
	271632	BOLT, 3/4"-16X1 3/4" (12.9001)								2				
	223752	BOLT, 3/4"-16X2" (12.9001)								2				
	103323	LOCKWASHER, 1/2" (12.9200)								16				
	103326	LOCKWASHER, 3/4" (12.9200)								4				
	103028	NUT, 1/2"-20 (12.9120)								16				
	218197	NUT, 3/4"-16 (12.9120)								4				
		+ OBSOLETE.												
11.1070 - SUPPORT, ENGINE FRONT														
1G	5126044	* SUPPORT												1
1F	5124762	SUPPORT (11.1090)					1		1					
1C	5123945	SUPPORT	1	1	1									
1H	5125827	SUPPORT				1								
1C	5124404	SUPPORT						1						
1E	5127943	SUPPORT							1		1			
1B	5125209	* SUPPORT										1		
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	4	4	4	4	4	4	4					6
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)									2	2		
#	454933	BOLT, 7/16"-14 X 1 1/8" (12.9001)	4	4	4			4	2		2			
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)					8		2				6	2
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)										2		
	103321	LOCKWASHER, 3/8" (12.9200)				AR					AR			
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR		AR	AR	AR		AR	AR	AR	AR
	5125822	NUT, 1/2"-13 ANCHOR				1								
		# FIG. 2A OF 5.0000.												
		* OBSOLETE												
11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC														
	5118545	* MOUNTING ASSY. (CUSHION)												2
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)												4
	223747	BOLT, 5/8"-18X4 1/4" (12.9001)												2

11.1000A ENGINE MOUNTING AND BASE

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION													
		3 5 7	3 5 8	3 5 9	3 7 0	3 8 0	3 8 6	3 8 9	4 0 2	4 0 4	4 0 5	4 0 6	4 0 7		
	11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC (CONT'D)														
	5167615 WASHER, 1/2" BEVEL (11.1073)													4	
	103345 WASHER, 5/8" (12.9190)													8	
	106267 WASHER, 11/16" (12.9190)													12	
	103323 LOCKWASHER, 1/2" (12.9200)													4	
	122761 NUT, 1/2"-20 SL. (12.9130)													4	
	9434177 NUT, 5/8"-18 SL. (12.9130)													12	
	* OBSOLETE.														
	11.1075 - BRACKET, ENGINE SUPPORT														
	5125529 BRACKET (R.H.)	1													
	5125530 BRACKET (L.H.)	1													
	5123841 BRACKET (R.H.) (11.1070)		1				1								
	5123842 BRACKET (L.H.) (11.1070)		1				1								
	5123839 BRACKET (R.H.)			1											
	5123840 BRACKET (L.H.)			1											
	181361 BOLT, 3/8"-24X7/8" (12.9001)	8	8	8			8								
	103321 LOCKWASHER, 3/8" (12.9200)	8	8	8			8								
	117049 NUT, 3/8"-24 (12.9120)	8	8	8			8								
	11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING														
	A SUPPORT ASSY. INCLUDES BOLTS AND LOCKWASHERS.														
1D	5122523 SUPPORT ASSY.												1		
1D	5186647 SUPPORT ASSY.					1		1							
	454906 BOLT, 3/8"-16X1 1/2" (12.9001)												2		
	179867 BOLT, 7/16"-14X2 1/4" (12.9001)					2		2							
	103321 LOCKWASHER, 3/8" (12.9200)												2		
	103322 LOCKWASHER, 7/16" (12.9200)					2		2							
	11.1094 - RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION														
	5166864 RING (CUSHION)					1		1							
	5122409 RING (CUSHION)											1			
	11.1100 - SUPPORT, ENGINE REAR														
	5125211 * SUPPORT												2		
	427564 BOLT, 7/16"-14X1 3/8" (12.9001)												4		
	103322 LOCKWASHER, 7/16" (12.9200)												4		
	* OBSOLETE.														

11.1000A ENGINE MOUNTING AND BASE

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	408	409	410	412	414	417	421	422	423	424	425	426
11.1050 - RAIL, ENGINE MOUNTING														
	5126919	+ RAIL (SIDE)	2											
	5126921	+ RAIL (CROSS)	2											
	5126296	+ RAIL (RIGHT SIDE)				1								
	5126297	+ RAIL (LEFT SIDE)				1								
	5126305	+ RAIL (FRONT AND INTERMEDIATE)				2							2	2
	5126304	+ RAIL (REAR)				1							1	1
	5126629	+ RAIL (FRONT AND REAR)						2						
	5126290	+ RAIL (RIGHT SIDE)											1	
	5126291	+ RAIL (LEFT SIDE)											1	
	5126292	+ RAIL (LEFT SIDE)												1
	5126293	+ RAIL (RIGHT SIDE)												1
	181428	BOLT, 1/2"-20X1 1/8" (12.9001)				12							12	12
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)				4							4	4
	271632	BOLT, 3/8"-16X1 3/4" (12.9001)	2			2							2	2
	223752	BOLT, 3/4"-16X2" (12.9001)				4							2	4
	103323	LOCKWASHER, 1/2" (12.9200)	AR			AR							AR	AR
	103326	LOCKWASHER, 3/4" (12.9200)	AR			AR							AR	AR
	103028	NUT, 1/2"-20 (12.9120)	8			16							16	16
	218197	NUT, 3/4"-16 (12.9120)	2			6							4	6
		+ NOT SERVICED; CUSTOMER MUST FABRICATE.												
11.1052 - ROD, ENGINE MOUNTING RAIL TIE														
	5126633	ROD (31.40"L.)						1						
	120378	NUT, 1/2"-13 (12.9120)						4						
11.1070 - SUPPORT, ENGINE FRONT														
1B	5128688	SUPPORT			1									
1B	5128687	* SUPPORT		1										
1B	5129068	SUPPORT					1				1	1		
1C	5119060	SUPPORT							2					
1H	5125827	SUPPORT								1				
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)								4				
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)												
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)					2							
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)		4	4							2	2	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)					2							
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)										2	2	
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)							4					
	103321	LOCKWASHER, 3/8" (12.9200)					AR	AR		AR	AR	AR		
	103322	LOCKWASHER, 7/16" (12.9200)		AR	AR									
	103323	LOCKWASHER, 1/2" (12.9200)							4					
	5125822	NUT, 1/2"-13 ANCHOR									1			
		* OBSOLETE												

11.1000A ENGINE MOUNTING AND BASE

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	4 0 8	4 0 9	4 1 0	4 1 2	4 1 4	4 1 7	4 2 1	4 2 2	4 2 3	4 2 4	4 2 5	4 2 6
	11.1072	MOUNTING, ENGINE FRONT SUPPORT ELASTIC												
	3766293	MOUNTING ASSY. (UPPER)								1				
	3767180	PLATE (LOWER) (2.88"L)								1				
	3766296	SPACER, 7.18" O.D. X 2.368" L								1				
	179895	BOLT, 1/2"-13X3 1/2" (12.9001)								1				
	103343	WASHER, 1/2" (12.9190)								1				
	103323	LOCKWASHER, 1/2" (12.9200)								1				
	11.1075	BRACKET, ENGINE SUPPORT												
	5125829	BRACKET								1				
	11.1100	SUPPORT, ENGINE REAR												
1A	5128897	* SUPPORT (R.H.)		1	1									
1A	5128898	* SUPPORT		1	1									
1A	5127279	SUPPORT					2	2	2		2			
1A	5119099	SUPPORT										2		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		4	4									
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)					4		4		4	4		
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR									
	103322	LOCKWASHER, 7/16" (12.9200)					4		4		4	4		
		* OBSOLETE												
	11.1120	MOUNTING, ENGINE REAR SUPPORT ELASTIC												
	3743771	MOUNTING ASSY. (UPPER, RUBBER)								2				
	3723646	MOUNTING ASSY. (3.38"L, LOWER, RUBBER)								2				
	3789949	MOUNTING ASSY. (2.562"L, LOWER, RUBBER)								1				
	3723648	SPACER, 5/8" I.D. X 2.12" L								2				
	3763766	BOLT, LOCK								2				
	271568	BOLT, 5/8"-11X3 1/2" (12.9001)								2				

11.1000A ENGINE MOUNTING AND BASE

			TYPES											
FIG	PART NUMBER	NAME AND DESCRIPTION	4 2 7	4 2 8	4 2 9	4 3 0	4 3 3	4 3 6	4 3 7	4 4 2	4 4 6	4 5 1	4 5 2	4 5 3
	11.1001 - BASE, ENGINE													
	5116121	+ BASE						1						
	5167615	WASHER, 1/2" BEVEL (11.1073)						10						
	11.1050 - RAIL, ENGINE MOUNTING													
	5126629	+ RAIL (FRONT AND REAR)	2	2										
	5126917	+ RAIL (SIDE)			2									
	5126920	+ RAIL (FRONT AND REAR)			2									
	5126629	+ RAIL (FRONT AND REAR)					2		2					
	181428	BOLT, 1/2"-20X1 1/8" (12.9001)			8									
	271630	BOLT, 3/4"-16X1 1/2" (12.9001)					2		2					
	271632	BOLT, 3/8"-16X1 3/4" (12.9001)			2									
	223752	BOLT, 3/8"-16X2" (12.9001)					2		2					
	103323	LOCKWASHER, 1/2" (12.9200)			AR				AR					
	103326	LOCKWASHER, 3/4" (12.9200)			AR		AR		AR					
	103028	NUT, 1/2"-20 (12.9120)			8									
	218197	NUT, 3/4"-16 (12.9120)			2		4		4					
		+ NOT SERVICED; CUSTOMER MUST FABRICATE.												
	11.1052 - ROD, ENGINE MOUNTING RAIL TIE													
	5126633	ROD (31.40"L.)							1					
	5126632	ROD (26.00"L.)	1				1							
	5126634	ROD (36.80"L.)		1										
	103323	LOCKWASHER, 1/2" (12.9200)	2	2			2		2					
	120378	NUT, 1/2"-13 (12.9120)	4	4			4		4					
	11.1070 - SUPPORT, ENGINE FRONT													
1B	5128688	* SUPPORT											1	
1B	5128687	* SUPPORT										1		
10,1F	5128660	SUPPORT				1				1				1
1C	5116086	SUPPORT						1						
1C	5100151	SUPPORT								1				
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				4		6		4				4
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)				2		4			4			2
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)									4	4	4	
	103321	LOCKWASHER, 3/8" (12.9200)				AR			AR		AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)				AR		AR		AR	AR	AR	AR	AR
		* OBSOLETE												
	11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC													
	5118545	MOUNTING ASSY. (CUSHION)						2						
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)						4						
	223747	BOLT, 5/8"-18X4 1/4" (12.9001)						2						

11.1000A ENGINE MOUNTING AND BASE

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	4 2 7	4 2 8	4 2 9	4 3 0	4 3 3	4 3 6	4 3 7	4 4 2	4 4 6	4 5 1	4 5 2	4 5 3
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC (CONT'D)												
	5176715	WASHER, 1/2" BEVEL (11.1073)						4						
	103346	WASHER, 5/8" (12.9190)						4						
	106267	WASHER, 11/16" I.D.X1 3/4" O.D.X.147" (12.9190)						6						
	103323	LOCKWASHER, 1/2" (12.9200)						4						
	122761	NUT, 1/2"-20 (12.9120)						4						
	9434177	NUT, 5/8"-18 LOCK (12.9140)						4						
		11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING												
		A SUPPORT ASSY. INCLUDES BOLTS AND LOCKWASHERS.												
1D	5122523	SUPPORT ASSY.				1					1			
1D	5108972	SUPPORT ASSY.											1	
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				2					2		2	
	103321	LOCKWASHER, 3/8" (12.9200)				2					2		2	
		11.1094 - RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION												
	5122409	RING (CUSHION)				1					1		1	
		11.1100 - SUPPORT, ENGINE REAR												
1A	5128897	+ SUPPORT (R.H.)										1	1	
1A	5128898	+ SUPPORT										1	1	
	5109208	+ PLATE (11.1070)										1	1	
	5109209	+ SPACER (11.1070)										2	2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)										4	4	
	187234	BOLT, 3/8"-24X2 7/8" (12.9001)										4	4	
	103321	LOCKWASHER, 3/8" (12.9200)										4	4	
	117049	NUT, 3/8"-24 (12.9120)										4	4	
		+ OBSOLETE.												
		11.1120 - MOUNTING, ENGINE REAR SUPPORT ELASTIC												
	5118545	MOUNTING ASSY. (CUSHION)						2						
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)						4						
	223747	BOLT, 5/8"-18X4 1/4" (12.9001)						2						
	5167615	WASHER, 1/2" BEVEL (11.1073)						4						
	103346	WASHER, 5/8" (12.9190)						4						

DETROIT DIESEL

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11.1000A ENGINE MOUNTING AND BASE

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	4 2 7	4 2 8	4 2 9	4 3 0	4 3 3	4 3 6	4 3 7	4 4 2	4 4 6	4 5 1	4 5 2	4 5 3
	11.1120	MOUNTING, ENGINE REAR SUPPORT ELASTIC (CONT'D)												
	106267	WASHER, 11/16" (12.9190)						6						
	103323	LOCKWASHER, 1/2" (12.9200)						4						
	122761	NUT, 1/2"-20 (12.9120)						4						
	9434177	NUT, 5/8"-18 LOCK (12.9140)						4						

11.1000A ENGINE MOUNTING AND BASE

			TYPES											
FIG	PART NUMBER	NAME AND DESCRIPTION	4 8 8	4 7 3	4 7 4	4 7 6	4 7 7	4 7 8	4 8 0	4 8 3	4 8 7	4 8 9	4 9 0	4 9 1
	11.1010 - CUSHION, ENGINE MOUNTING BASE ISOLATION PAD													
	5130657	ISOLATOR, VIBRATION					2							
	122408	BOLT, 1/2"-13X1" (12.9001)					4							
	103323	LOCKWASHER, 1/2" (12.9200)					4							
	11.1070 - SUPPORT, ENGINE FRONT													
1B	5162813	SUPPORT	1								1			
1B	5162814	SUPPORT		1	1	1		1		1				1
1C	5130811	SUPPORT							1					
1A	5131270	* SUPPORT										1	1	
1A	5138756	* SUPPORT										1	1	
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)							4					
	214265	* BOLT, 3/8"-16X3 3/4" (12.9001)		4				4		4				
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)	2		2	2					2			2
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)							4					
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)										4	4	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)		2				2		2				
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	4		4	4					4		4	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR
		* OBSOLETE												
	11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC													
	5179361	MOUNTING ASSY. (OUTBOARD)										2	2	
	5179364	MOUNTING ASSY. (INBOARD)										2	2	
	179895	BOLT, 1/2"-13X3 1/2" (12.9001)										8	8	
	103323	LOCKWASHER, 1/2" (12.9200)										AR	AR	
	102637	NUT, 1/2"-13 (12.9120)										8	8	
	11.1075 - BRACKET, ENGINE SUPPORT													
	5123841	BRACKET (R.H.) (11.1070)							1					
	5123842	BRACKET (L.H.) (11.1070)							1					
	181361	BOLT, 3/8"-24X7/8" (12.9001)							8					
	103321	LOCKWASHER, 3/8" (12.9200)							8					
	117049	NUT, 3/8"-24 (12.9120)							8					
	11.1100 - SUPPORT, ENGINE REAR													
1A	5125211	* SUPPORT	2											
1A	5127279	SUPPORT		2		2								
1A	5119099	SUPPORT			2					2				

11.1000A ENGINE MOUNTING AND BASE

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	4 6 8	4 7 3	4 7 4	4 7 6	4 7 7	4 7 8	4 8 0	4 8 3	4 8 7	4 8 9	4 9 0	4 9 1	
11.1100 - SUPPORT, ENGINE REAR (CONT'D)															
1A	5130239	SUPPORT						2						2	
	5131330	SUPPORT									2				
	5131383	SUPPORT										1			
	5131302	SUPPORT											1		
	5159347	SPACER, 3/4" O.D. X 1/2" (7.1581)											6		
	5173935	PLUG, 1/2" PIPE SL. HD. (1.5001)									8				
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)									8	4			
	5157244	BOLT, 3/8"-16 X 1 3/4" (4.4190)											6		
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4	4	4	4				4					
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)						4							4
186631	BOLT, 1/2"-13X2 1/4" (12.9001)						4							4	
103341	WASHER, 3/8" (12.9190)										8				
103321	LOCKWASHER, 3/8" (12.9200)										8	AR	AR		
103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4					4					
103323	LOCKWASHER, 1/2" (12.9200)							8						8	
		* OBSOLETE													

11.1000A ENGINE MOUNTING AND BASE

			TYPES											
FIG	PART NUMBER	NAME AND DESCRIPTION	496	498	499	501	502	506	509	510	511	515	516	523
11.1070 - SUPPORT, ENGINE FRONT														
1B	5173851	SUPPORT	1		1			1						
1C	5131318	SUPPORT		1										
1F	5124762	SUPPORT (11.1090)				1	1							
1C	5132146	SUPPORT							1					
1C	5123946	SUPPORT								1				
1C	5134442	SUPPORT										1		
1B	5134225	SUPPORT											1	1
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)										4		
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		6		4				4				
	214265	+ BOLT, 3/8"-16X3 3/4" (12.9001)			4			4						
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)											2	2
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)	2										2	2
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)								4		2		
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		4		2	6							
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)			2			2						
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	4											
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)											2	2
	106263	WASHER, 7/16" (12.9190)											2	2
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR	AR	AR		AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR	AR
		+ OBSOLETE.												
11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC														
	5179364	MOUNTING ASSY. (INBOARD)			2									
	5132451	MOUNTING ASSY.	2											
	5130234	MOUNTING ASSY.						2						
	179895	BOLT, 1/2"-13X3 1/2" (12.9001)	4		4			4						
	103323	LOCKWASHER, 1/2" (12.9200)	4		AR			AR						
	102637	NUT, 1/2"-13 (12.9120)	4		4			4						
11.1088 - TRUNNION, ENGINE FRONT														
	5133502	- TRUNNION												
	272628	NUT, 7/16"-20 LOCK (12.9140)									1			
		+ OBSOLETE.									6			
11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING														
A SUPPORT ASSY. INCLUDES BOLTS AND LOCKWASHERS.														
1D	5100262	* SUPPORT ASSY.				1					1			
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)				2					2			
	103322	LOCKWASHER, 7/16" (12.9200)				2					2			
		* OBSOLETE												

11.1000A ENGINE MOUNTING AND BASE

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	4 9 6	4 9 8	4 9 9	5 0 1	5 0 2	5 0 6	5 0 9	5 1 0	5 1 1	5 1 5	5 1 6	5 2 3
	11.1094	- RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION												
	5166864	RING (CUSHION)				1	1				1			
	11.1100	- SUPPORT, ENGINE REAR												
1A	5127279	SUPPORT												2
1A	5131268	SUPPORT	2		2		2							
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4		4			4						4
	103322	LOCKWASHER, 7/16" (12.9200)	4		4			4						4
	11.1120	- MOUNTING, ENGINE REAR SUPPORT ELASTIC												
	5179361	MOUNTING ASSY. (11.1072)	2											
	5179364	MOUNTING ASSY. (11.1072)			2									
	5130234	MOUNTING ASSY. (11.1072)						2						
	179895	BOLT, 1/2"-13X3 1/2" (12.9001)	4		4			4						
	103323	LOCKWASHER, 1/2" (12.9200)	4		4			4						
	102637	NUT, 1/2"-13 (12.9120)	4		4			4						

11.1000A ENGINE MOUNTING AND BASE

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	5 2 5	5 3 2	5 3 4	5 3 7	5 3 8	5 4 5	5 5 0	5 5 3	5 5 4	5 5 6	5 5 7	5 6 3
		11.1001 - BASE, ENGINE												
	5139811	+ BASE												1
		+ NOT SERVICED; CUSTOMER MUST FABRICATE.												
		11.1035 - BUSHING, STARTING MOTOR CABLE INSULATION												
	5182735	BUSHING (4")												2
	5182736	LOCKNUT												2
		11.1070 - SUPPORT, ENGINE FRONT												
	5133958	SUPPORT			1									
1A	5131270	* SUPPORT (TO MARINE GEAR R.H.)				1	1							
1A	5138756	* SUPPORT (TO MARINE GEAR L.H.)				1	1							
1B	5162814	SUPPORT						1						
	5139898	SUPPORT							1					
1B	5128688	* SUPPORT								1				
1B	5128687	* SUPPORT									1			
1B	5141015	SUPPORT										1		
1B	5173851	MOUNT											1	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)								4	4			
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		4	5				2					
	455537	BOLT, 3/8"-16X4" (12.9001)										2	2	
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)						2	2				2	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)			3									
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)				4	4							
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)							2					
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)						4					4	
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)										2		
	106263	WASHER, 7/16" (12.9190)										2		
	103321	LOCKWASHER, 3/8" (12.9200)								4	4			
	103322	LOCKWASHER, 7/16" (12.9200)			AR	AR	AR	AR				AR		
		* OBSOLETE.												
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC												
	5179361	MOUNTING ASSY. (OUTBOARD)				2	2							
	5179364	MOUNTING ASSY. (INBOARD)				2	2							
	5140004	MOUNTING							1					
	5140583	MOUNTING (CUSHION)							6					
	5132451	MOUNTING ASSY. (FRONT)											2	
	5179381	MOUNTING ASSY. (REAR)											2	
	5140425	SPACER							3					

11.1000A ENGINE MOUNTING AND BASE

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	5 2 5	5 3 2	5 3 4	5 3 7	5 3 8	5 4 5	5 5 0	5 5 3	5 5 4	5 5 6	5 5 7	5 6 3
11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC (CONT'D)														
	5140003	PLATE								1				
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)							4					
	179895	BOLT, 1/2"-13X3 1/2" (12.9001)				8	8			3				
	271568	BOLT, 5/8"-11X3 1/2" (12.9001)								4				
	103322	LOCKWASHER, 7/16" (12.9200)												
	103323	LOCKWASHER, 1/2" (12.9200)				8	8							
	103325	LOCKWASHER, 5/8" (12.9200)							3					
	102637	NUT, 1/2"-13 (12.9120)				8	8							
	102639	NUT, 5/8"-11 (12.9120)							3					
11.1088 - TRUNNION, ENGINE FRONT														
	5128660	TRUNNION		1										
	5137901	TRUNNION											1	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		2									6	
	103322	LOCKWASHER, 7/16" (12.9200)		2									6	
11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING														
A SUPPORT ASSY. INCLUDES BOLTS AND LOCKWASHERS.														
1D	5186647	SUPPORT ASSY.	1										1	
1D	5136387	SUPPORT ASSY.		1										
1D	454906	BOLT, 3/8"-16X1 1/2" (12.9001)		2										
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)	2										2	
1D	103321	LOCKWASHER, 3/8" (12.9200)		2										
	103322	LOCKWASHER, 7/16" (12.9200)	2										2	
11.1094 - RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION														
	5137902	RING (CUSHION)	1										1	
	5122409	RING (CUSHION)		1										
11.1100 - SUPPORT, ENGINE REAR														
	5137161	SUPPORT (R.H.)		1										
	5137162	SUPPORT (L.H.)		1										
	5131383	SUPPORT				1								
	5131302	SUPPORT					1							
	5140427	SUPPORT							2					
	5138860	* SUPPORT								1	1			

11.1000A ENGINE MOUNTING AND BASE

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	5 2 5	5 3 2	5 3 4	5 3 7	5 3 8	5 4 5	5 5 0	5 5 3	5 5 4	5 5 6	5 5 7	5 5 3
	11.1100	SUPPORT, ENGINE REAR (CONT'D)												
1A	5128898	* SUPPORT (L.H.)								1	1			
	5148671	SUPPORT (NOTCHED)											2	
	5159347	SPACER, 3/4" O.D. X 1/2" (7.1581)				6	6							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		6										
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		4										
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)				6	6							
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)								4	4			
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)							8					
	103321	LOCKWASHER, 3/8" (12.9200)			3	6	6							
	103322	LOCKWASHER, 7/16" (12.9200)								4	4			
	103323	LOCKWASHER, 1/2" (12.9200)							8					
		* OBSOLETE												
	11.1120	MOUNTING, ENGINE REAR SUPPORT ELASTIC												
	5140426	MOUNTING							4					
	5140562	MOUNTING (CUSHION)							8					
	5140425	SPACER							4					
	271568	BOLT, 5/8"-11X3 1/2" (12.9001)							4					
	103325	LOCKWASHER, 5/8" (12.9200)							4					
	102639	NUT, 5/8"-11 (12.9120)							4					

11.1000A ENGINE MOUNTING AND BASE

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	5 6 8	5 7 7	5 7 8	5 8 2	5 8 7	5 9 4	5 9 6	6 0 1	6 1 0	6 1 1	6 1 6	
11.1070 - SUPPORT, ENGINE FRONT														
1B	5162814	SUPPORT						1	1				1	
1C	5140080	SUPPORT	1											
	5119060	SUPPORT		1										
1B	5129068	SUPPORT			1									
	5134225	SUPPORT				1					1			
1F	5128660	SUPPORT					1							
1B	5147843	MOUNT												
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)					4					1		
	214265	+ BOLT, 3/8"-16X3 3/4" (12.9001)										4		
	455537	BOLT, 3/8"-16X4" (12.9001)				2					2			
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)	2		2				2				2	
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	2							2				
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)					2							
	179861	BOLT, 7/16"-14X1 3/8" (12.9001)							4					
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)						2				2	2	
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)			2				4				2	
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)				2					2			
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)		4										
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)	2											
	5167615	WASHER, 1/2" BEVEL	2											
	106263	WASHER, 7/16" (12.9190)				2					2			
	103322	LOCKWASHER, 7/16" (12.9200)	AR		AR	AR	AR	AR	AR		AR	AR	AR	
	103323	LOCKWASHER, 1/2" (12.9200)	AR	AR										
	103263	NUT, 1/2"-13 (12.9120)	2											
		+ OBSOLETE.												
11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC														
	179895	BOLT, 1/2"-13X3 1/2" (12.9001)											8	
	103323	LOCKWASHER, 1/2" (12.9200)											8	
	102637	NUT, 1/2"-13 (12.9120)											8	
11.1088 - TRUNNION, ENGINE FRONT														
	5138894	TRUNNION												
	9411707	BOLT, 7/16"-14X1 1/4" (12.9001)								1				
	5125608	WASHER, 15/32"X3/4"X1/8" (1.3112)								8				
11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING														
A SUPPORT ASSY. INCLUDES BOLTS AND LOCKWASHERS.														
1D	5136387	SUPPORT ASSY.						1						
1D	454906	BOLT, 3/8"-16X1 1/2" (12.9001)					2							
1D	191249	BOLT, 3/8"-16X3 3/4" (12.9001)						4						

DETROIT DIESEL

53 MPC ENGINES

11.1000A ENGINE MOUNTING AND BASE

PART			TYPES										
FIG	NUMBER	NAME AND DESCRIPTION	5 6 8	5 7 7	5 7 8	5 8 2	5 8 7	5 9 4	5 9 6	6 0 1	6 1 0	6 1 1	6 1 6
	11.1090	SUPPORT, ENGINE FRONT TRUNNION MOUNTING (CONT'D)											
	103321	LOCKWASHER, 3/8" (12.9200)					2						
	11.1094	RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION											
	5122409	RING (CUSHION)					1						
	5166864	RING (CUSHION)							1				
	11.1100	SUPPORT, ENGINE REAR											
1A	5140092	SUPPORT (L.H.)	1										
1A	5140093	SUPPORT (R.H.)	1										
	5144558	SUPPORT		1	1								
1A	5147844	MOUNT										2	
1A	5148669	MOUNT (NOTCHED)											2
	5198788	BRACKET (9.1011)				2			2				
	5186664	SHIM (.010")	AR										
	5186663	SHIM (.005")	AR										
	5177445	SHIM (.031")	AR										
	5177446	SHIM (.062")	AR										
	5143369	SHIM (.187") (8.1895)	AR										
	5140392	SHIM (.005") (2 HOLE)	AR										
	5175223	SHIM (.062")	AR										
	5175224	SHIM (.031")	AR										
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)		4	4							4	4
	180175	BOLT, 1/2"-13X1 1/4" (12.9001)				8			8				
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)	4										
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)	4										
	186659	BOLT, 1/2"-13X3 3/4" (12.9001)	4										
	5167615	WASHER, 1/2" BEVEL	2										
	103322	LOCKWASHER, 7/16" (12.9200)		4	4							4	4
	103323	LOCKWASHER, 1/2" (12.9200)	12			8			8				
	123263	NUT, 1/2"-13 (12.9120)	4										

11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES																
			6 1 7	6 2 5	6 3 1	6 3 3	6 3 5	6 4 1	6 4 6										
		11.1070 - SUPPORT, ENGINE FRONT																	
1F	5173851	SUPPORT	1																
	5124762	SUPPORT (11.1090)		1															
	5125827	SUPPORT			1														
	5162814	SUPPORT				1													
	5105106	SUPPORT					1												
	5106356	SUPPORT						1											
	5107098	SUPPORT							1										
	186283	BOLT, 3/8"-16 X 3 1/2" (12.9001)			4			4											
	191249	BOLT, 3/8"-16 X 3 3/4" (12.9001)				4													
	186628	BOLT, 3/8"-16X4 1/2" (12.9001)	2																
	192883	BOLT, 3/8"-16 X 5 1/4" (12.9001)																	
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)		6			6	2											
	179862	BOLT, 7/16"-14 X 1 1/2" (12.9001)				2													
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	4																
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)		2															
	103322	LOCKWASHER, 7/16" (12.9200)	4	8		2	6	2	4										
	5125822	NUT, 1/2"-13 ANCHOR			1														
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC																	
	5140004	MOUNTING							1										
	5140562	MOUNTING (CUSHION)							6										
	5140425	SPACER							3										
	5140003	PLATE							1										
	271568	BOLT, 5/8"-11 X 3 1/2" (12.9001)							3										
	179862	BOLT, 7/16"-14 X 1 1/2" (12.9001)							4										
	103322	LOCKWASHER, 7/16" (12.9200)							4										
	103325	LOCKWASHER, 5/8" (12.9200)							3										
	102639	NUT, 5/8"-11 (12.9120)							3										
		11.1094 - RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION																	
	5166864	RING (CUSHION)		1															
		11.1100 - SUPPORT, ENGINE REAR																	
1A	5148671	SUPPORT	2																
	5140427	SUPPORT							2										
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4																
	186725	BOLT, 1/2"-13 X 1 1/2" (12.9001)							8										
	103322	LOCKWASHER, 7/16" (12.9200)	4																
	103323	LOCKWASHER, 7/16" (12.9200)							8										
		11.1120 - MOUNTING, ENGINE REAR SUPPORT ELASTIC																	
	5179361	MOUNTING ASSY.	2																
	5105093	MOUNTING ASSY.			1														
	5140426	MOUNTING							4										
	5140562	MOUNTING (CUSHION)							8										
	5146900	PIN, 3/8" X 1 1/8" DOWEL (12.9290)			2														
	5140425	SPACER							4										
	5152148	WASHER, 3/8"			3														
	271568	BOLT, 5/8"-11 X 3 1/2"							4										
	186619	BOLT, 3/8"-16 X 1 1/8"			3														
	455537	BOLT, 3/8"-16 X 4" (12.9001)			6														
	179895	BOLT, 1/2"-13X3 1/2" (12.9001)	8																
	103321	LOCKWASHER, 3/8" (12.9200)			6														

11.1000A ENGINE MOUNTING AND BASE

PART		TYPES									
FIG	NUMBER	NAME AND DESCRIPTION	6 1 7	6 2 5	6 3 1	6 3 3	6 3 5	6 4 1	6 4 6		
	11.1120	MOUNTING, ENGINE REAR SUPPORT ELASTIC (CONT'D)									
103323		LOCKWASHER, 1/2" (12.9200)	8								
103325		LOCKWASHER, 5/8" (12.9200)						4			
102637		NUT, 1/2"-13 (12.9120)	8								
102639		NUT, 5/8"-11 (12.9120)						4			

GROUP NOMENCLATURE

1.0000	ENGINE (less major assemblies)	5.0000	COOLING SYSTEM (CONT'D)
1.1000	Cylinder Block	5.3000B	Water Connections
1.1000A	Air Box Drains	5.4000A	Fan
1.2000	Cylinder Head	5.4000B	Fan Shroud
1.2000A	Engine Lifter Bracket	5.5000A	Heat Exchanger or Keel Cooling
1.3000	Crankshaft, Oil Seals and Stabilizers	5.6000A	Raw Water Pump
1.3000A	Crankshaft Front Cover	5.7000A	Water Filter
1.3000B	Vibration Damper		
1.3000C	Crankshaft Pulley	6.0000	EXHAUST SYSTEM
1.3000D	Crankshaft Pulley Belt	6.1000A	Exhaust Manifold and/or Connections
1.4000A	Flywheel	6.2000A	Exhaust Muffler and/or Connections
1.5000A	Flywheel Housing		
1.5000B	Flywheel Housing Adaptor	7.0000	ELECTRICAL INSTRUMENTS
1.6000	Connecting Rod and Piston	7.1000A	Battery Charging Generator
1.7000	Camshaft and Gear Train	7.2000A	Battery Cables
1.7000A	Balance Weight Cover	7.2000B	Automatic Starting
1.7000B	Accessory Drive	7.2000B	Automatic Starting (Twin and Quad)
1.8000	Valve Injector Operating Mechanism	7.3000A	Starting Motor
1.8000A	Rockers Cover	7.4000A	Instruments
		7.4000A	Instruments (Twin and Quad)
2.0000	FUEL SYSTEM	7.4000B	Tachometer Drive
2.1000A	Fuel Injector	7.4000B	Tachometer Drive (Twin and Quad)
2.1000B	Electronic Injector Controls	7.4000C	Shutoff, Alarm and O.S. Governor
2.2000	Fuel Pump	7.4000C	Shutoff, Alarm and O.S. Governor (Twin and Quad)
2.2000A	Fuel Pump Drain	7.5000A	Power Generator
2.3000A	Fuel Filter and Strainer	7.6000A	Control Cabinet
2.3000A	Fuel Filter and Strainer (Twin and Quad)	7.6000A	Control Cabinet (Twin and Quad)
2.4000	Fuel Manifold and/or Connections	7.7000A	Wiring Harness
2.4000A	Dual Fuel System	7.8000A	Air Heater
2.5000A	Fuel Lines and Fuel Cooler	7.8000A	Air Heater (Twin and Quad)
2.5000A	Fuel Lines and Fuel Cooler (Twin and Quad)	7.10000A	Hydraulic Governor Solenoid
2.6000A	Fuel Tank		
2.6000B	Electric Governor	8.0000	POWER TAKE-OFF
2.7000A	Mechanical Governor	8.1000A	Power Take-off and/or Clutch
2.8000A	Hydraulic Governor	8.1000A	Power Take-off and/or Clutch (Twin and Quad)
2.9000	Injector Controls	8.3000A	Torque Converter
2.9000	Injector Controls (Twin and Quad)	8.3000A	Torque Converter (Twin and Quad)
2.9000A	Throttle Controls	8.3000B	Transmission Lines
2.9000A	Throttle Controls (Twin and Quad)		
3.0000	AIR SYSTEM	9.0000	TRANSMISSION AND PROPULSION
3.1000A	Air Cleaner and/or Adaptor	9.1000A	Hydraulic Marine Gear
3.2000A	Air Silencer	9.1000A	Hydraulic Marine Gear (Twin and Quad)
3.3000A	Air Inlet Housing	9.2000A	Reverse and Reduction Gear (mechanical)
3.3000C	Air Intake Manifold	9.3000A	Power Transfer Gear
3.4000	Blower and Drive	9.3000A	Power Transfer Gear (Twin and Quad)
3.4000A	Blower Drive Shaft	9.4000	Transmission—Highway
3.4000B	Blower End Plate Cover	9.7000	Transmission—Off-highway
3.5000A	Turbocharger, Intercooler, and Aftercooler	9.9000	Transmission—Rail Car
4.0000	LUBRICATING SYSTEM	10.0000	SHEET METAL
4.1000A	Oil Pump	10.1000A	Engine Hood
4.1000B	Oil Distribution System		
4.1000C	Oil Pressure Regulator	11.0000	ENGINE MOUNTING
4.2000A	Oil Filter	11.1000A	Engine Mounting and Base
4.3000A	Oil Filter Lines	11.1000A	Engine Mounting and Base (Twin and Quad)
4.4000A	Oil Cooler and Marine Gear Lines		
4.5000A	Oil Filler	12.0000	MISCELLANEOUS
4.6000A	Dipstick	12.2000A	Bilge Pump
4.7000A	Oil Pan	12.3000A	Vacuum Pump
4.8000A	Ventilating System	12.4000A	Air Compressor
5.0000	COOLING SYSTEM	12.5000A	Hydraulic Pump
5.1000	Fresh Water Pump	12.6000A	Gasoline Starter
5.1000A	Fresh Water Pump Cover	12.6000B	Air Starter
5.2000A	Water Outlet Manifold and/or Elbow	12.6000C	Cold Weather Starting Aid
5.2000B	Thermostat	12.6000D	Hydraulic Starter
5.2000C	Water Bypass Tube	12.6000E	Hydraulic Starter Accessories
5.3000A	Radiator	12.8000A	Supplies
		12.8000B	Fabrication Material
		12.8000C	Miscellaneous Service Kits and Sets
		12.8000D	Miscellaneous Service Parts

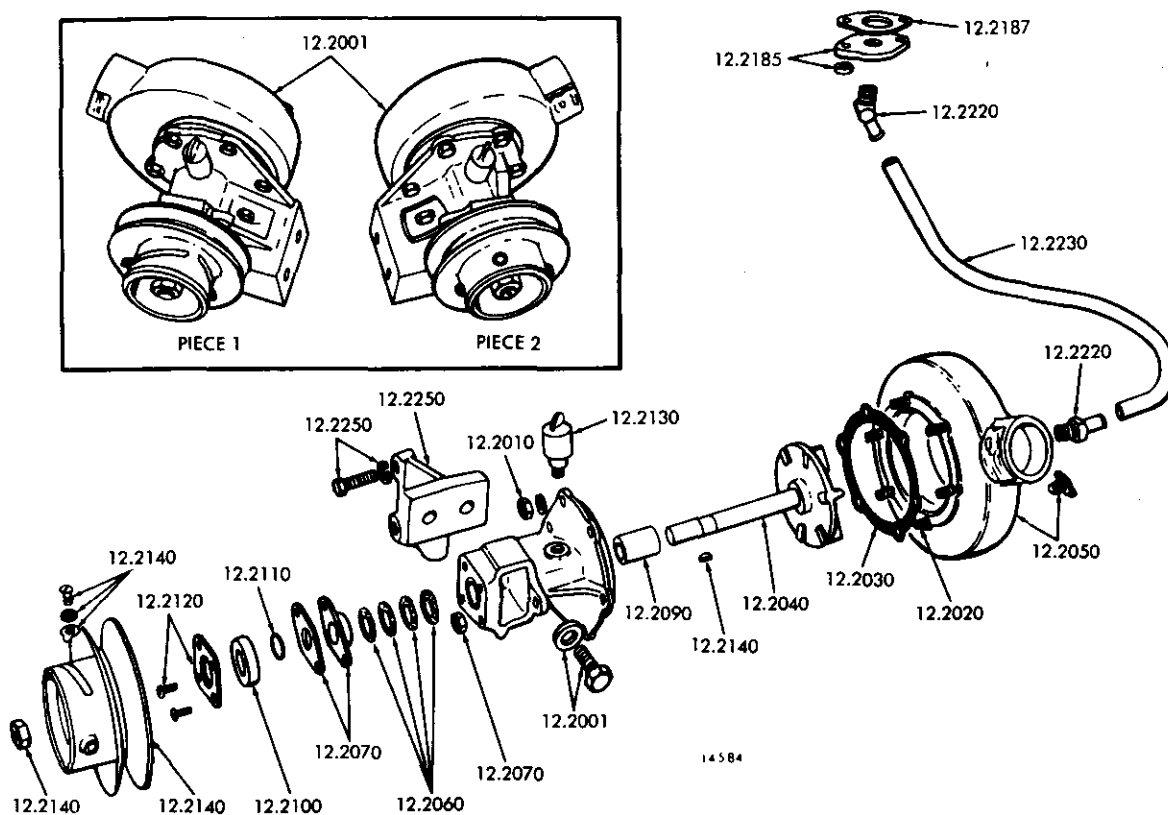


FIG. 1A BILGE PUMP ASSEMBLY

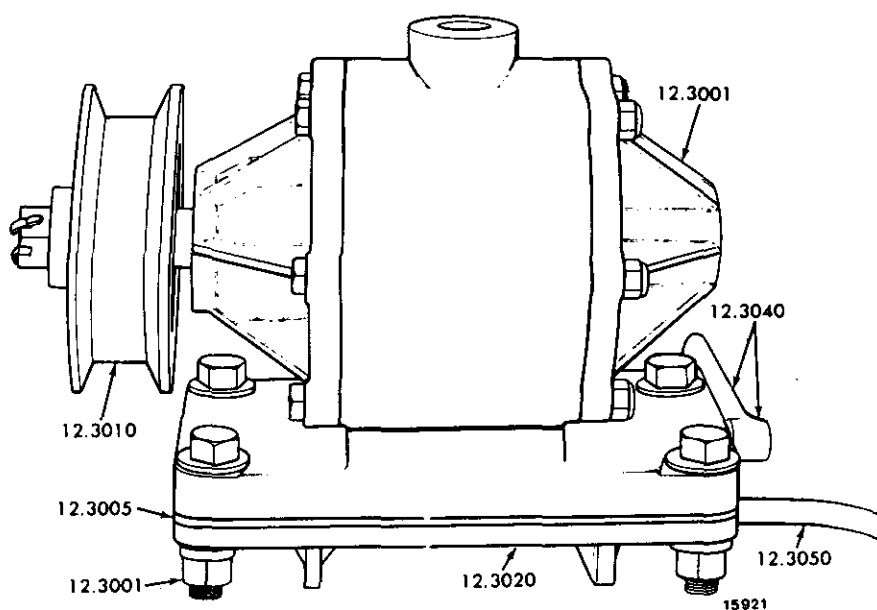


FIG. 3A VACUUM PUMP

Figs. 1A & 3A of 12.0000

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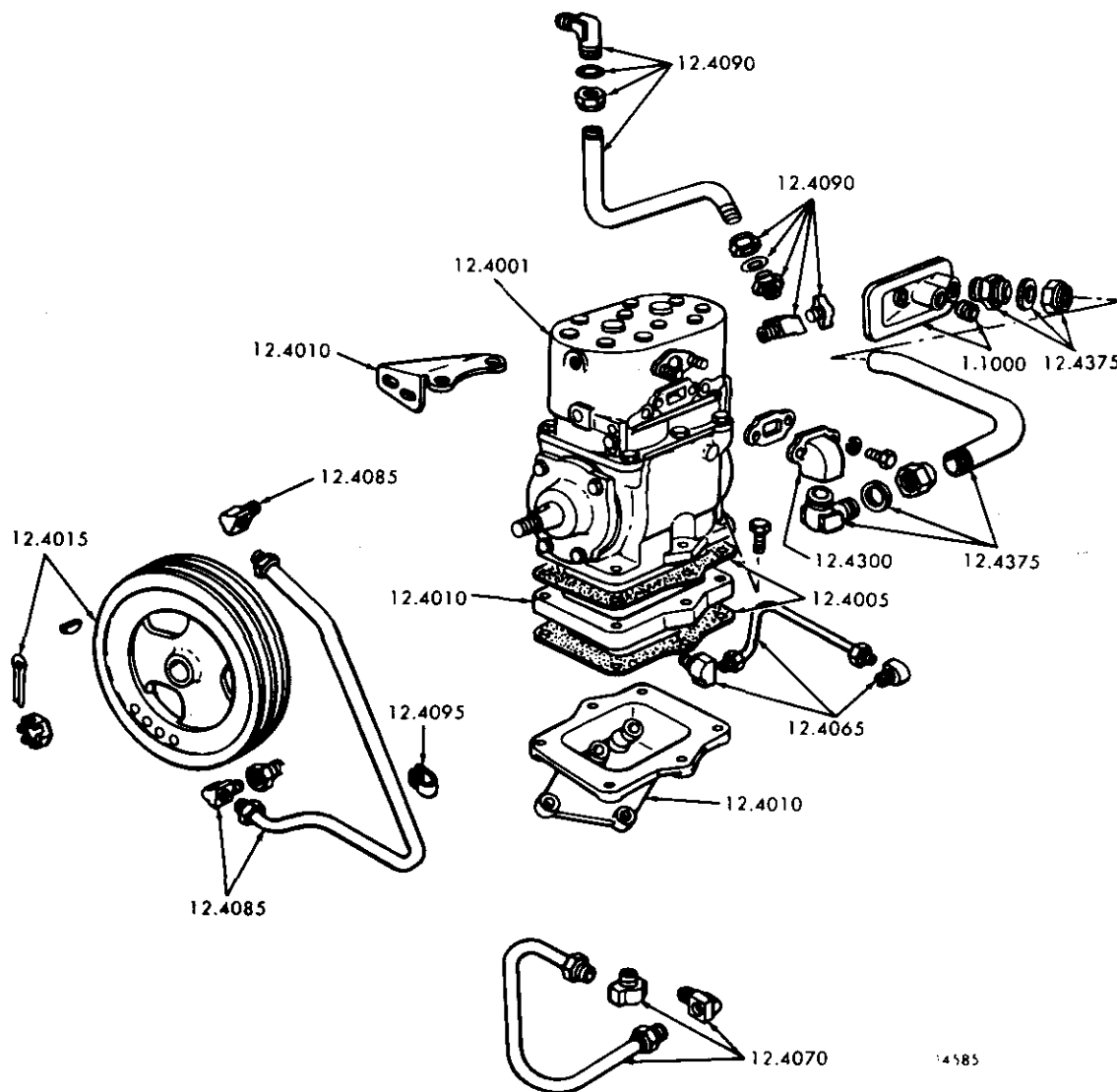


FIG. 3B AIR COMPRESSOR (BELT DRIVEN)

Fig. 3B of 12.0000

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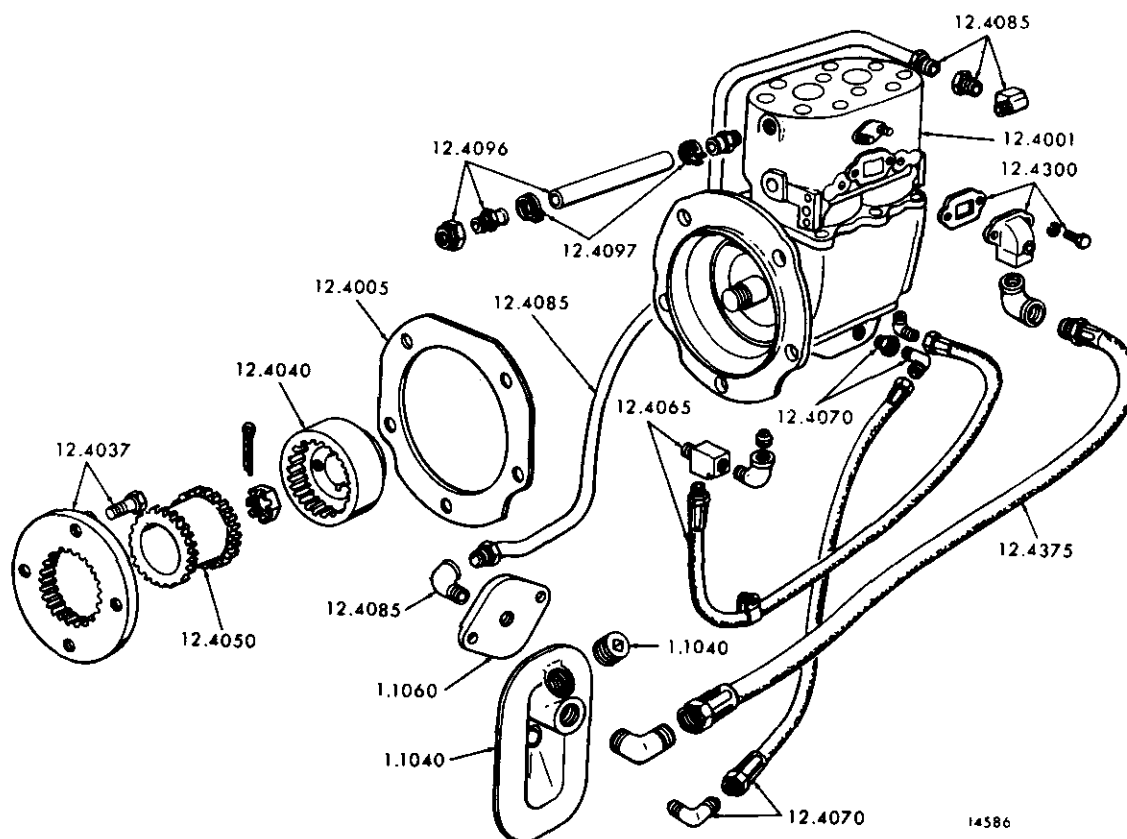


FIG. 3C AIR COMPRESSOR (direct drive)

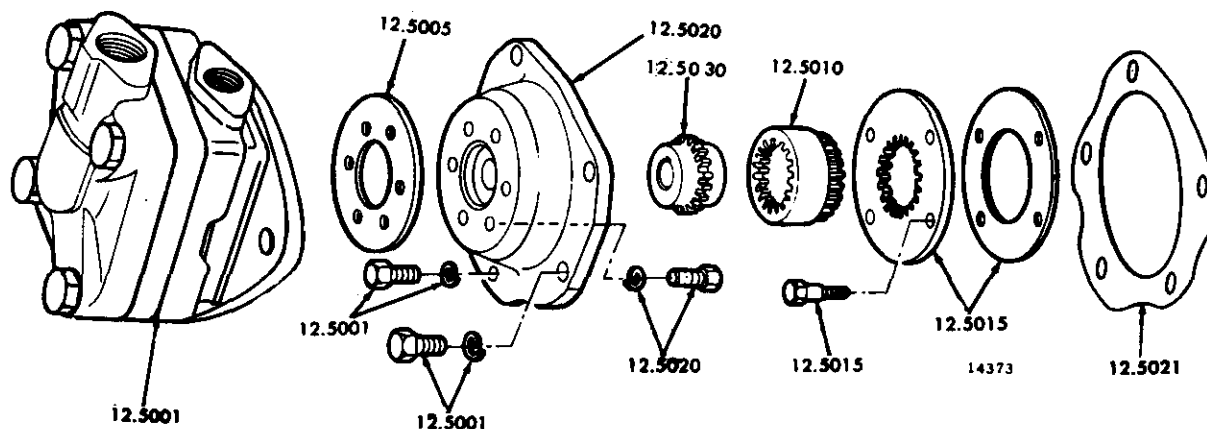


FIG. 4A HYDRAULIC PUMP

Figs. 3C & 4A of 12.0000

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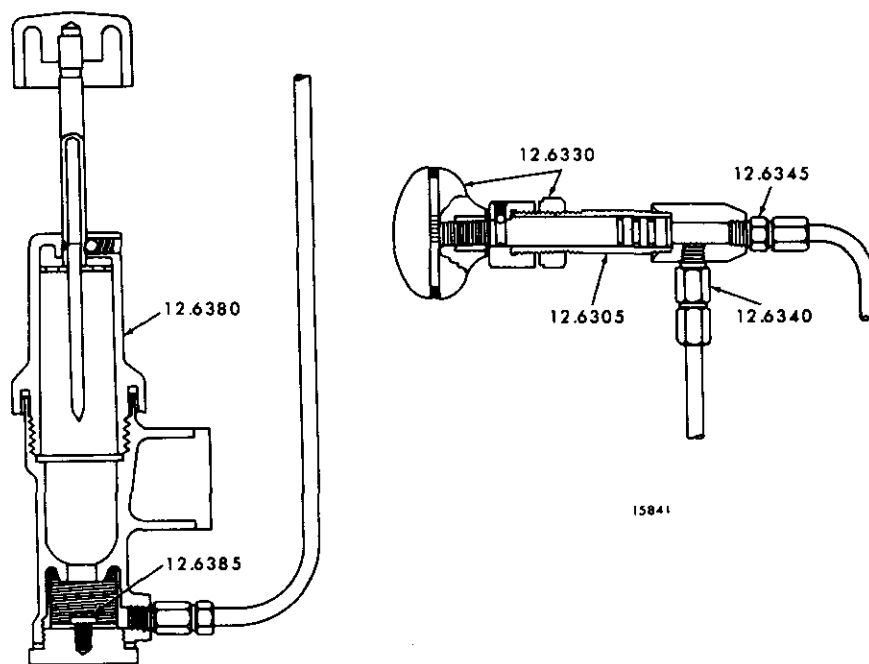


FIG. 5A COLD WEATHER STARTING AID

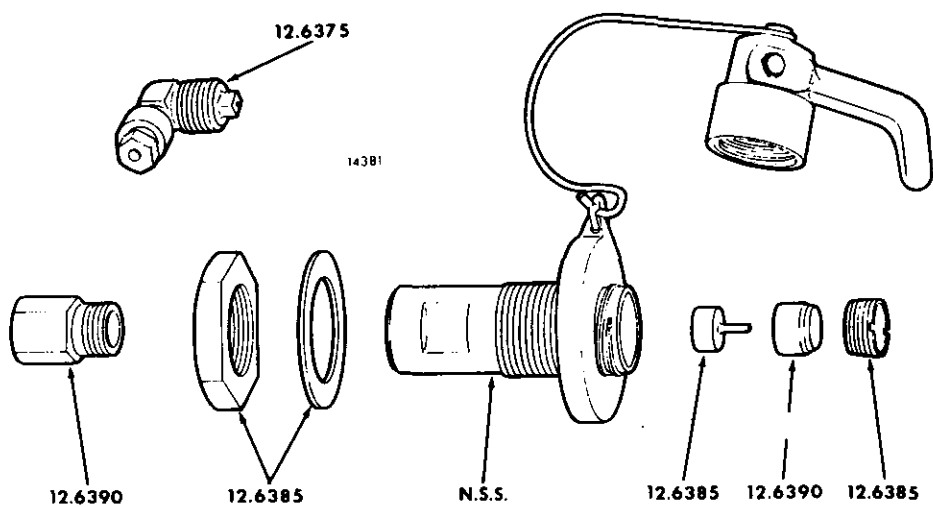


FIG. 5B COLD WEATHER STARTING AID

Figs. 5A & 5B of 12.0000

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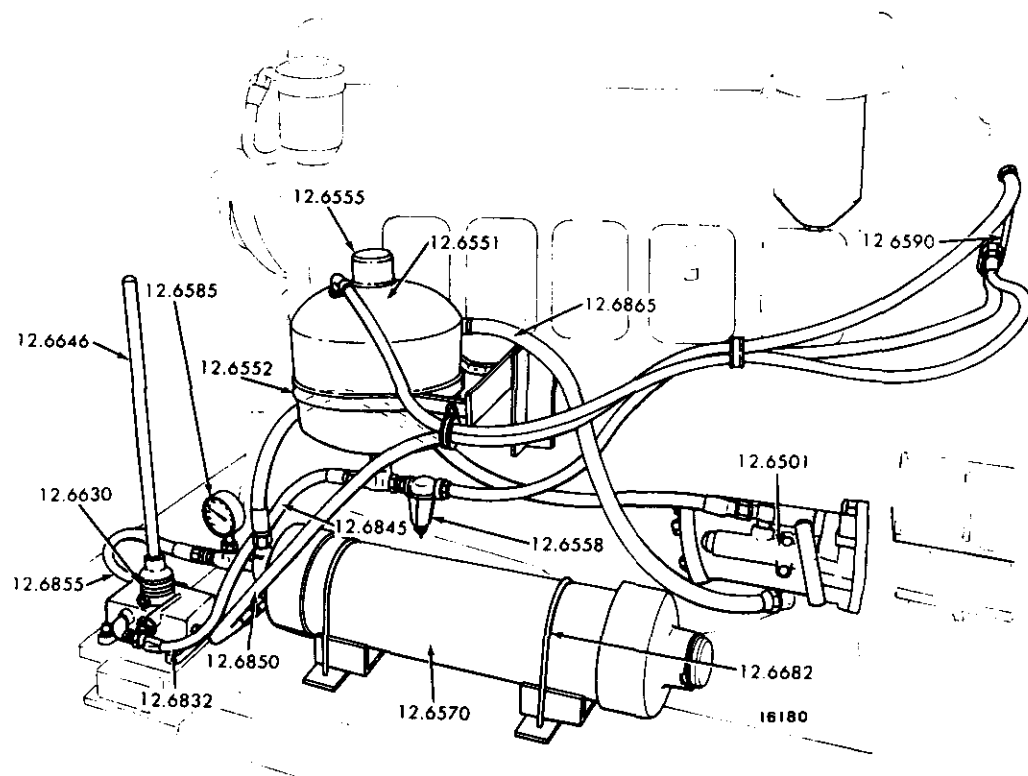


FIG. 5C HYDRAULIC STARTER SYSTEM

Fig. 5C of 12.0000

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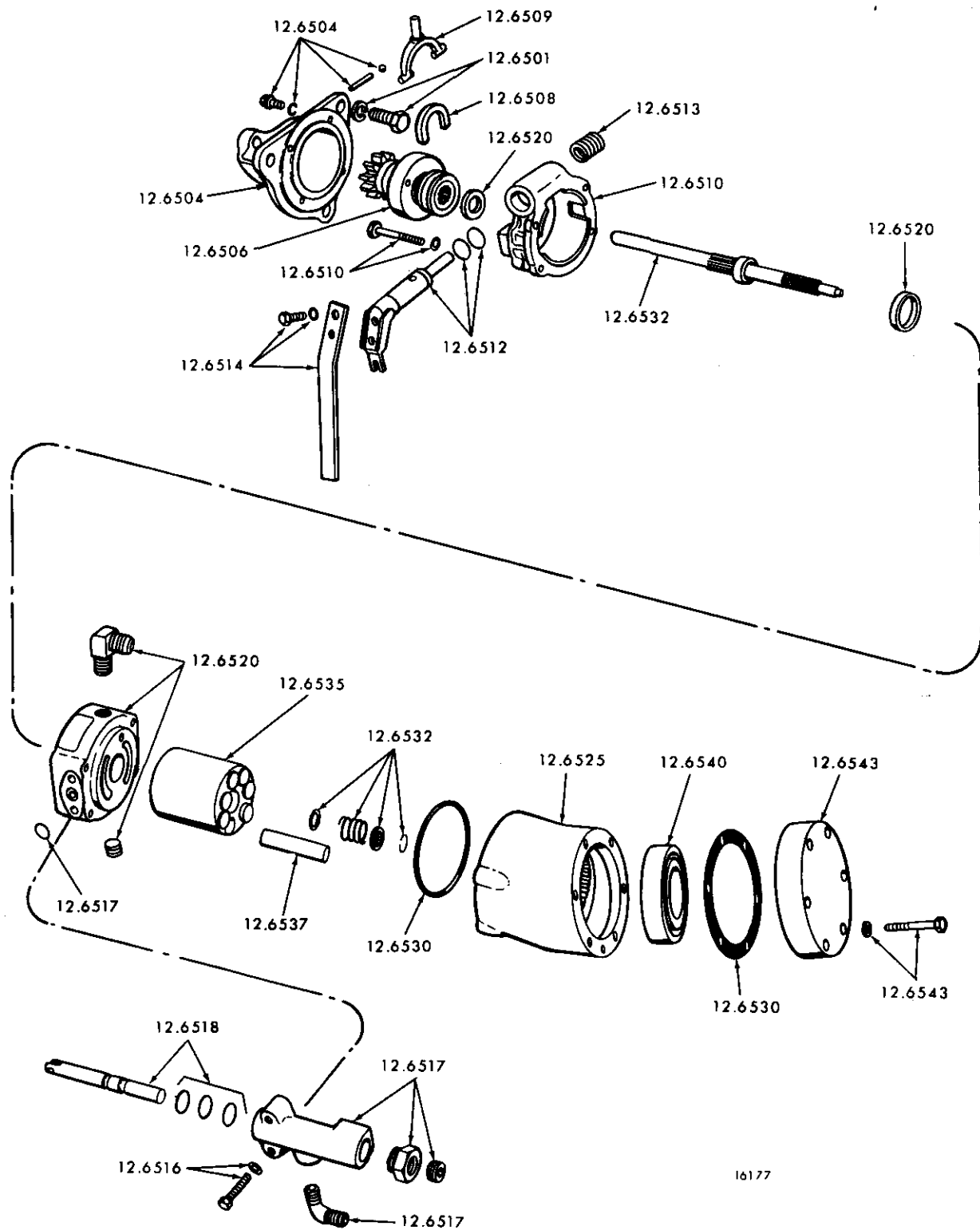


FIG. 6A HYDRAULIC STARTER ASSEMBLY

Fig. 6A of 12.0000

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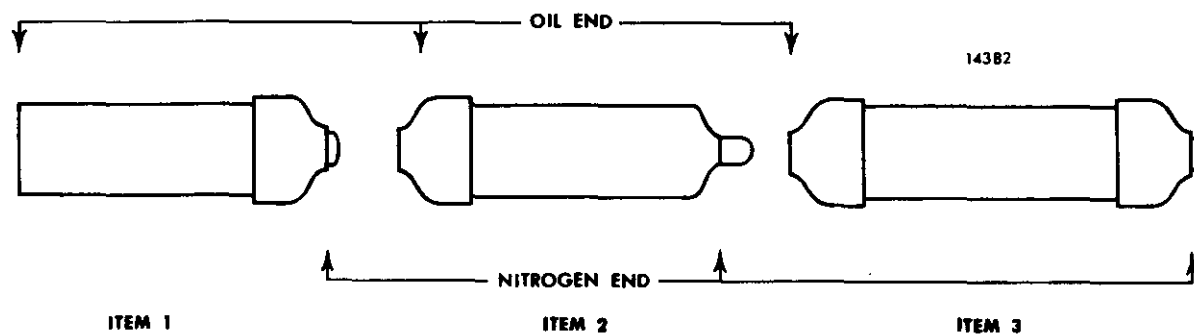
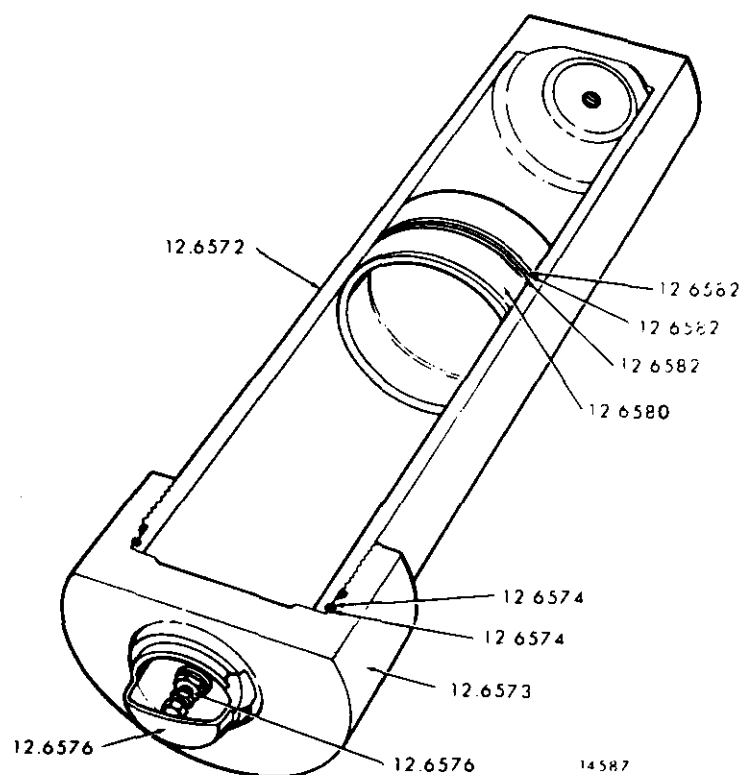


FIG. 6B HYDRAULIC STARTER ACCUMULATOR ASSY. (12.6570)

Fig. 6B of 12.0000

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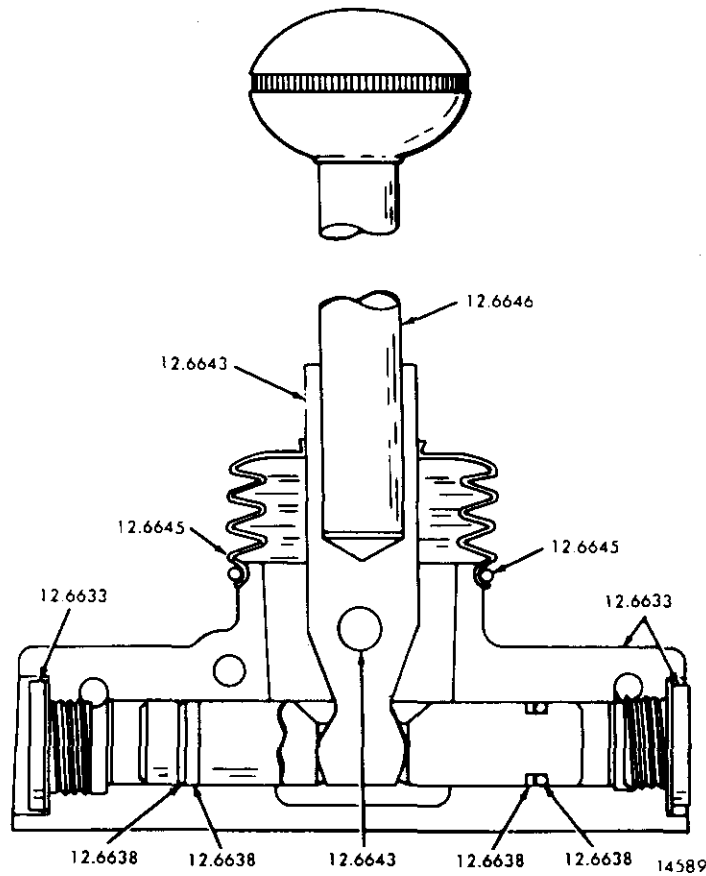


FIG. 6C

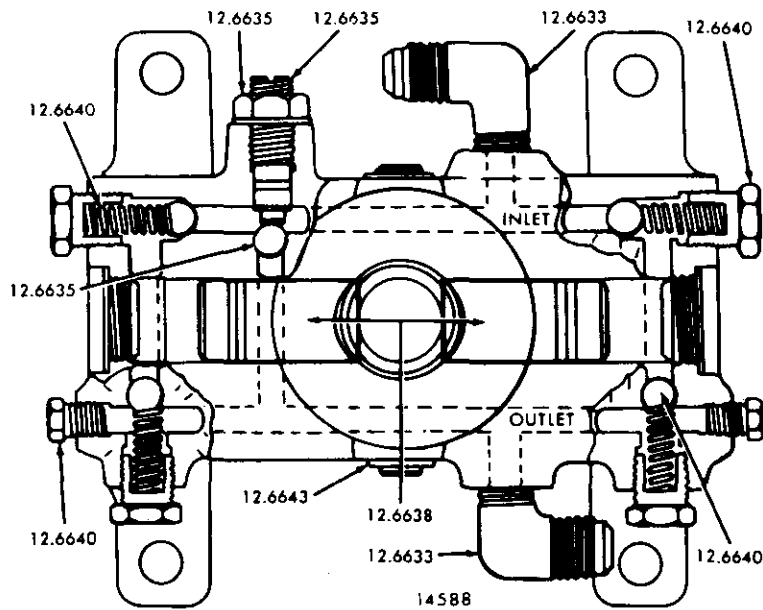


FIG. 6D

HYDRAULIC STARTER HAND PUMP

Figs. 6C & 6D of 12.0000

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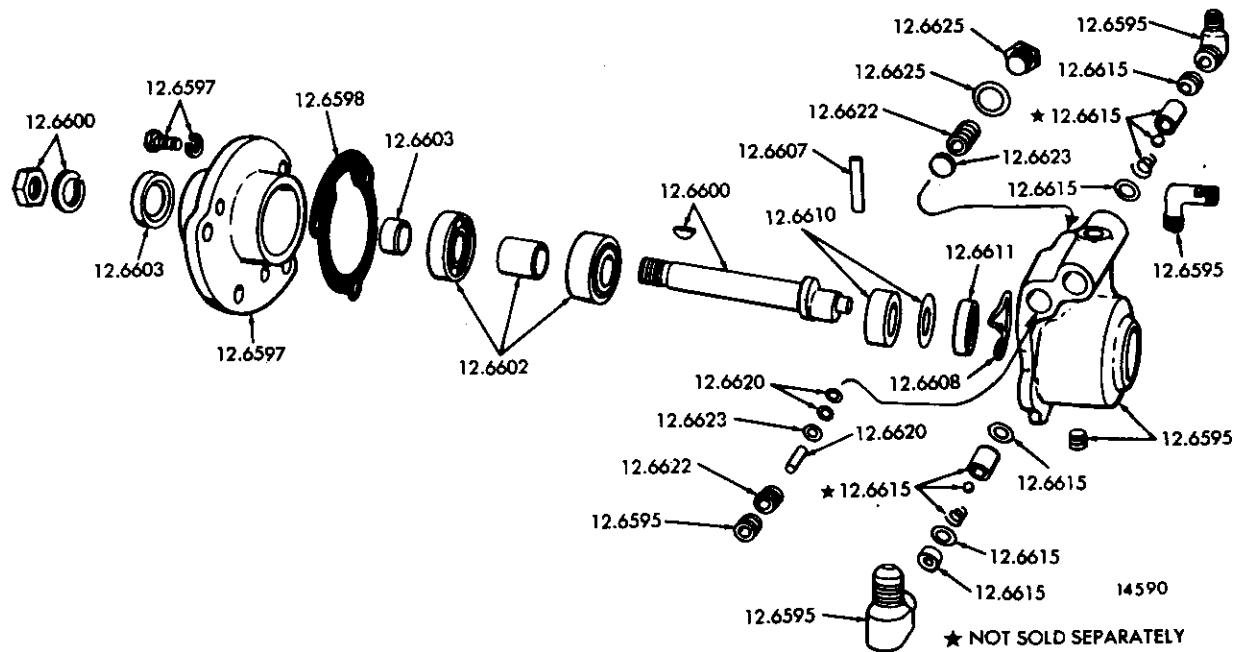


FIG. 6E HYDRAULIC STARTER ENGINE PUMP (Belt Driven)

FIG. 6E of 12.0000

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★ NOT SOLD SEPARATELY

FIG. 6F HYDRAULIC STARTER ENGINE PUMP (Direct Driven)

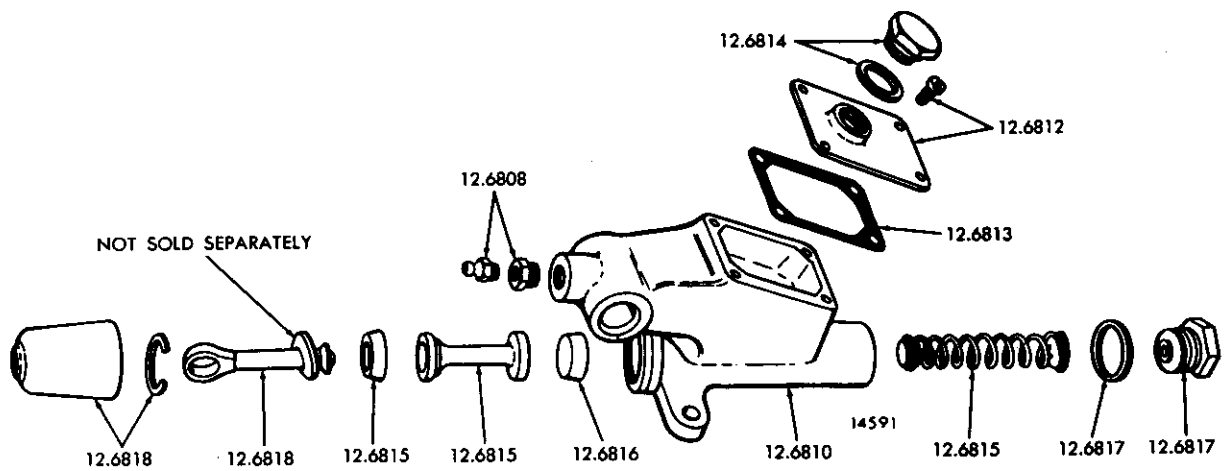


FIG. 7A REMOTE CONTROL MASTER CYLINDER

DETROIT DIESEL

53 MPC ENGINES

12.2000A BILGE PUMP

PART			TYPES											
..FIG ..	NUMBER	NAME AND DESCRIPTION	2	2										
		12.2001 - PUMP ASSY., BILGE												
		A PUMP ASSY. INCLUDES ITEMS IN 12.2010 THRU 12.2140.												
1A	5169979	PUMP ASSY.	1											
		12.2010 - BODY, BILGE PUMP												
1A	5197519	BODY	1											
1A	5163834	WASHER, 5/16" BRASS (5.5600)	6											
1A	220075	NUT, 5/16"-18 BRASS (12.9120)	6											
		12.2020 - STUD, BILGE PUMP BODY												
1A	5190446	STUD, 5/16"-18X1 1/16"	6											
		12.2030 - GASKET SET, BILGE PUMP												
		A GASKET SET INCLUDES ONE EACH OF .005" AND .010" THICK GASKET.												
1A	5164528	+ GASKET SET	1											
		+ OBSOLETE												
		12.2040 - IMPELLER AND SHAFT ASSY., BILGE PUMP												
		INCLUDES PIN IN 12.2040.												
1A	5190464	IMPELLER AND SHAFT ASSY.	1											
	5190442	PIN, 3/16"X1 7/16"	1											
		12.2050 - HOUSING, BILGE PUMP IMPELLER												
1A	5190429	HOUSING	1											
1A	114981	DRAINCOCK, 1/8" (12.9510)	1											
		12.2060 - PACKING, BILGE PUMP SHAFT												
1A	5160375	PACKING (5.6170)	4											
	5190476	PACKING	1											
		12.2070 - GLAND, BILGE PUMP SHAFT PACKING												
1A	5190439	GLAND	1											
1A	5190452	LOCK	1											
1A	122002	NUT, 5/16"-24 BRASS (12.9120)	2											

12.2000A BILGE PUMP

PART		TYPES	
FIG	NUMBER	NAME AND DESCRIPTION	
		12.2080 - STUD, BILGE PUMP SHAFT PACKING GLAND	2
	5190444	STUD, 5/16"-24X1 1/8"	2
		12.2090 - BUSHING, BILGE PUMP SHAFT	
1A	5164453	BUSHING	1
		12.2100 - BEARING, BILGE PUMP SHAFT	
1A	954143	BEARING (N.D. 88503)	1
		12.2110 - SHIM, BILGE PUMP SHAFT BEARING	
1A	5190443	SHIM (.005")	1
		12.2120 - RETAINER, BILGE PUMP SHAFT BEARING	
1A	5190440	RETAINER	1
1A	110570	SCREW, #10-24X1/2" FIL. HD. BRASS (12.9010)	4
		12.2130 - CUP, BILGE PUMP GREASE	
1A	5190441	CUP	1
		12.2140 - PULLEY ASSY., BILGE PUMP DRIVEN	
		A PULLEY ASSY. CONSISTS OF PULLEY AND FLANGE WHICH ARE NOT SERVICED SEPARATELY.	
1A	5190447	PULLEY ASSY.	1
1A	5190450	LOCK	2
1A	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1
1A	114351	SCREW, 1/4"-20X3/8" FIL. HD. (12.9010)	2
1A	103319	LOCKWASHER, 1/4" (12.9200)	2
1A	103030	NUT, 5/8"-18 (12.9120)	1

12.3000A VACUUM PUMP

			TYPES									
FIG	PART NUMBER	NAME AND DESCRIPTION	1	1	1	1	1	1	2	2	2	
			1	3	4	5	6	7	8	9	0	2
												2
												3
												4
		12.3001 - PUMP ASSY., VACUUM										
		NOTE: SERVICE ON COMPONENT PARTS OF VACUUM PUMP ASSEMBLIES IS HANDLED BY BENDIX PRODUCTS DIVISION, SOUTH BEND, INDIANA. (FURNISH THEIR ASSEMBLY PART NUMBER.) ALL ITEMS LISTED IN THIS GROUP ARE SERVICED BY DETROIT DIESEL ALLISON.										
3A	NPN 5109065	PUMP ASSY. (CUSTOMER FURNISHED)										1
		PUMP ASSY. (CW) (BENDIX NO. 2500948)	1									
3A	5109069	PUMP ASSY. (CCW) (BENDIX NO. 2501042)		1							1	
3A	5173807	+ PUMP ASSY. (CW) (BENDIX NO. 2503199) (8921252-BENDIX #2501454)			1	1	1	1	1	1		
3A	4813276	* PUMP ASSY. (CW) (BENDIX NO. 2501454)										1
3A	427564	BOLT, 7/16"-14X1 3/8" (12.9001)			4	4	4	4		4		4
3A	186626	BOLT, 7/16"-14X1 5/8" (12.9001)	4	4								
3A	427567	BOLT, 7/16"-14X1 3/4" (12.9001)								4		
3A	216283	BOLT, 7/16"-20X1 3/4" (12.9001)							4			4
3A	5164360	WASHER, 15/32"X15/16"X5/32" (8.1001)	4	4						4	4	
3A	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4
3A	271500	NUT, 7/16"-14 (12.9120)	4	4						4		
3A	456939	NUT, 7/16"-20 (12.9120)						4				4
		* PROCURE FROM CHEVROLET.										
		+ NOT SERVICED. FOR SERVICE USE PART NUMBER SHOWN IN PARENTHESES.										
		12.3005 - GASKET, VACUUM PUMP										
3A	3291011	GASKET (PUMP TO BRACKET)			1	1	1	1	1			1
		12.3010 - PULLEY, VACUUM PUMP										
3A	5125494	PULLEY (5.6" DIA.)	1	1							1	
	5126187	PULLEY (4" DIA., 2 GROOVES)			1	1	1	1	1			1
	5109589	+ PULLEY (4.50" DIA., 2 GROOVES)							1			
	5173187	+ PULLEY (4.50" DIA., 2 GROOVES)										1
3A	108635	PIN, 1/8"X1 1/8" COTTER (12.9250)	1	1	1	1	1	1	1	1		1
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1		1
3A	122761	NUT, 1/2"-20 (12.9130)	1	1	1	1	1	1	1	1		1
		+ OBSOLETE.										
		12.3020 - SUPPORT, VACUUM PUMP										
	5125800	BRACKET	1	1							1	
	5125658	* BRACKET (12.4010) (5145594)			1		1		1		1	1
	5125659	* BRACKET (12.4010) (5145711)				1		1				

12.3000A VACUUM PUMP

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION											
		1 1	1 3	1 4	1 5	1 6	1 7	1 8	1 9	2 0	2 2	2 3	2 4
12.3020 - SUPPORT, VACUUM PUMP (CONT'D)													
5128005	BRACKET (12.4010)							1					
5109981	# BRACKET							1					1
186624	BOLT, 5/16"-18X1 1/4" (12.9001)							1					1
179839	BOLT, 3/8"-16X1" (12.9001)									3			
186619	BOLT, 3/8"-16X1 1/8" (12.9001)	3	3										
186679	BOLT, 3/8"-16X1 1/4" (12.9001)			5	5	5	5	1	5		5	5	1
9409231	BOLT, 3/8"-16X1 1/2" LOCK (12.9001)							2					2
5108435	WASHER, 3/8" (12.4010)							2					2
103320	LOCKWASHER, 5/16" (12.9200)							1					
103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	* NOT SERVICED; USE BRACKET SHOWN IN PARENTHESES PLUS 2-427584 BOLTS, 1-5157244 BOLT AND 2-103322 LOCKWASHERS.												
	# NOT SERVICED; USE 5145415 BRACKET AND INCLUDE 2-9409239 BOLTS, 2-5136821 SHIMS AND 2-5136906 SHIMS.												
12.3030 - BELT, VACUUM PUMP DRIVE													
5124432	BELT (31.20"LX.380"W.) (7.1575)	2											
5181329	BELT SET (2 BELTS, 32"LX.38"W.) (7.1575)									1			
5133175	BELT SET (2 BELTS, 39"LX.38"W.) (5.1215)		1										
12.3040 - TUBE, VACUUM PUMP OIL SUPPLY													
NPN	TUBE ASSY. (CUSTOMER FURNISHED)											1	
5131253	TUBE ASSY., 5/16" I.D. X 14" L, FLEX.	1	1							1			
5143849	TUBE ASSY., DEV. L. 27.00" (12.4065)			1		1			1		1		
5127906	* TUBE ASSY., DEV. L. 18.56" (12.4065)				1		1						
5131828	HOSE ASSY., 1/4" I.D. X 20" L (12.4065)							1					1
3741341	@ HOSE ASSY.											1	
444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)		1										
118753	ELBOW, 1/4" FL. TUBE 90 DEG., 1/8" P.T. (12.9480)							1					
9432337	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)												1
116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)			1		1			1		1		
143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)	1											

DETROIT DIESEL

53 MPC ENGINES

12.3000A VACUUM PUMP

PART		TYPES											
..FIG ..	NUMBER	NAME AND DESCRIPTION											
		1 1	1 3	1 4	1 5	1 6	1 7	1 8	1 9	2 0	2 2	2 3	2 4
	12.3040 - TUBE, VACUUM PUMP OIL SUPPLY (CONT'D)												
	225815 ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1		1	2	1	2		1	1	1		
	118748 CONNECTOR, 1/4" FL. TUBE, 1/8" P.T. (12.9380)							1					1
	9432264 CONNECTOR, 5/16" FL. TUBE, 1/4" P.T. (12.9380)		1							1	1		
	112877 BUSHING, 1/4"X1/8" RED. (12.9570) * PROCURE FROM CHEVROLET. @ NOT SERVICED; USE 5143848 TUBE AND INCLUDE (2) 5177492 ELBOWS, (2) 5177493 SEALS AND (2) 5177490 NUTS.							1					
	12.3050 - TUBE, VACUUM PUMP OIL DRAIN												
	3771446 * HOSE											1	
	5129157 @ HOSE, #8 X 23" L (8.3830)									1			
	5135293 # @ HOSE, #10 X 11 1/2" L (2.5060)				1	1			1				
	5135293 & @ HOSE, #10 X 15" L (2.5060)					1					1		
	5135293 @ HOSE, 10" X 5/8" I.D. (2.5060)			1		1		1					
	5199772 @ HOSE, 15" X 1/2" I.D.	1											
	5199772 @ HOSE, 17" X 1/2" I.D.		1										
	5135293 @ HOSE, 5/8" I.D. X 12 1/2" L (2.5060)						1						1
	5120020 FITTING, 1/2" HOSE, 3/8"-16 THD. (12.4085)									1			
	5121825 FITTING, 1/2" HOSE X 3/8" EXT. PT. (12.4090)									1			
	5113215 FITTING, 5/8" HOSE X 1/2" EXT. PT. (12.6692)				1	1	1	1	1		1		1
	5113192 FITTING, 5/8" HOSE, 7/8"-14 THD. (12.6689)				1	1	1	1	1		1		1
	109421 NIPPLE, 3/8"X1 1/2" PIPE (12.9560)	1											
	2194031 NIPPLE, 1/2" HOSE X 3/8" P.T.	2	2										
	444042 ELBOW, 3/8" STREET 90 DEG. (12.9590)		2										
3A	9402839 ELBOW, 1/2" HYD. FL. TUBE 90 DEG. (12.9391)									1			
3A	109429 ELBOW, 5/8" FL. TUBE 90 DEG. (12.9390)			1	1	1	1	1			1		1
3A	442343 ELBOW, 5/8" INV. FL. TUBE 90 DEG. (12.9480)											1	
3A	9402801 # ELBOW, 5/8"-45 DEG. PIPE (12.9600)					1			1				
	144034 BUSHING, 3/4"X1/2" RED. (12.9570)				1	1							
	9139801 CLAMP, 3/4" DIA. HOSE (12.9660)	2	2										
	5163529 CLIP, 5/16" TUBE					1			1		1		

TYPES

[illegible]

12.3000A VACUUM PUMP

PART		NAME AND DESCRIPTION		TYPES										
FIG	NUMBER			2 5	2 7	2 8	3 0	3 1	3 2	3 3	4 0	4 2	4 3	4 4
12.3001 - PUMP ASSY., VACUUM														
NOTE: SERVICE ON COMPONENT PARTS OF VACUUM PUMP ASSEMBLIES IS HANDLED BY BENDIX PRODUCTS DIVISION, SOUTH BEND, INDIANA. (FURNISH THEIR ASSEMBLY PART NUMBER.) ALL ITEMS LISTED IN THIS GROUP ARE SERVICED BY DETROIT D IESEL ALLISON.														
3A	NPN 5173807	PUMP ASSY. (CUSTOMER FURNISHED)				1		1						
		+ PUMP ASSY. (CW) (BENDIX NO. 2503199) (8921252-BENDIX #2501454)		1	1		1	1		1	1	1	1	1
3A	427564	BOLT, 7/16"-14X1 3/8" (12.9001)					1	4				1	4	1
3A	186645	BOLT, 7/16"-20X1 1/4" (12.9001)		2	4			2						
3A	181399	BOLT, 7/16"-20X1 3/8" (12.9001)		2				2						
3A	216283	BOLT, 7/16"-20X1 3/4" (12.9001)								4				
3A	103342	WASHER, 7/16" (12.9190)		2				2						
3A	103322	LOCKWASHER, 7/16" (12.9200)		4	4		4	4		4		4	4	4
3A	456939	NUT, 7/16"-20 (12.9120)								4				
		+ NOT SERVICED, FOR SERVICE USE PART NUMBER SHOWN IN PARENTHESES.												
12.3005 - GASKET, VACUUM PUMP														
3A	3291011	GASKET (PUMP TO BRACKET)		2	1		1	2		1		1	1	
12.3010 - PULLEY, VACUUM PUMP														
	5126187	PULLEY (4" DIA., 2 GROOVES)		1	1		1	1	1		1	1	1	
	5162965	PULLEY (4" DIA., 2 GROOVES)								1				
3A	5145219	+ PULLEY (4 5/8" DIA.)												1
3A	108635	PIN, 1/8"X1 1/8" COTTER (12.9250)		1	1		1	1	1	1				
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)		1	1		1	1	1	1				
3A	122761	NUT, 1/2"-20 (12.9130)		1	1		1	1	1	1				
		+ OBSOLETE.												
12.3020 - SUPPORT, VACUUM PUMP														
	5100136	ADAPTOR, 1/8" PIPE (12.9570)												1
	5125800	BRACKET				1								
	5125658	* BRACKET (12.4010) (5145594)		1			1					1		
	5125659	* BRACKET (12.4010) (5145711)						1					1	
	5109981	# BRACKET								1				
	5130845	BRACKET (MOUNTING PLATE)			1									
	5136457	% BRACKET												1
	5130236	PLATE, ADAPTOR		1				1						
	5130844	PLATE (MOUNTING)			1									
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)			2								4	

12.3000A VACUUM PUMP

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	25	27	28	30	31	32	33	40	42	43	44	
	12.3020	SUPPORT, VACUUM PUMP (CONT'D)												
5137037		SUPPORT											1	
186624		BOLT, 5/16"-18X1 1/4" (12.9001)							1					
100015		BOLT, 5/16"-24X1 1/4" (12.9001)	2				2							
179839		BOLT, 3/8"-18X1" (12.9001)		4										
186619		BOLT, 3/8"-16X1 1/8" (12.9001)			3									
186679		BOLT, 3/8"-16X1 1/4" (12.9001)	5			5	5		1	5	5	4		
9409231		BOLT, 3/8"-16X1 1/2" LOCK (12.9001)							2					
186277		BOLT, 3/8"-16X2 3/8" (12.9001)										2		
181365		BOLT, 3/8"-24X1 1/8" (12.9001)		4										
179862		BOLT, 7/16"-14X1 1/2" (12.9001)	2				2							
5108435		WASHER, 3/8" (12.4010)							2					
103320		LOCKWASHER, 5/16" (12.9200)	2				2		1					
103321		LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR		AR		AR	AR	AR	
103322		LOCKWASHER, 7/16" (12.9200)	2				2							
		* NOT SERVICED; USE BRACKET SHOWN IN PARENTHESES PLUS 2-427564 BOLTS, 1-5157244 BOLT AND 2-103322 LOCKWASHERS.												
		# NOT SERVICED; USE 5145415 BRACKET AND INCLUDE 2-9409239 BOLTS, 2-5136821 SHIMS AND 2-5136906 SHIMS.												
		% OBSOLETE.												
	12.3030	BELT, VACUUM PUMP DRIVE												
9433877		BELT (36"LX.500"W.) (7.1575)		1										
5137110		BELT (2 BELTS, 38"LX.38"W.)											1	
	12.3040	TUBE, VACUUM PUMP OIL SUPPLY												
5131253		TUBE ASSY., 5/16" I.D. X 14" L, FLEX.					1							
5143849		TUBE ASSY., DEV. L 27.00" (12.4065)				1					1			
5143848		* TUBE, DEV. L 22.00"										1		
5131828		HOSE ASSY., 1/4" I.D. X 20" L (12.4065)							1					
3290514		HOSE ASSY., 1/4" I.D. X 18" L (2.5215)	1					1						
5126693		HOSE ASSY., 3/16" I.D. X 29" L (12.4065)		1										
9409931		ELBOW, 1/8" STREET 90 DEG. (12.9590)							1					
118753		ELBOW, 1/4" FL TUBE 90 DEG., 1/8" P.T. (12.9480)							1				1	
190367		ELBOW, 1/4"-90 DEG. STREET (12.9590)		1										
116341		ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)		1										
225815		ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	2		1	1	2							

12.3000A VACUUM PUMP

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	2 5	2 7	2 8	3 0	3 1	3 2	3 3	4 0	4 2	4 3	4 4
		12.3040 - TUBE, VACUUM PUMP OIL SUPPLY (CONT'D)											
	5177492	ELBOW, 5/16" TUBE 90 DEG. SEALASTIC (12.9425)									1	1	
	5177493	SEAL RING, 5/16" TUBE (12.9435)									1	1	
	116436	CONNECTOR, 1/4" FL TUBE X 1/4" P.T. (12.9380)		1									
	9432264	CONNECTOR, 5/16" FL TUBE, 1/4" P.T. (12.9380)					1						
	9409943	TEE (1/8" PIPE) (7.4586)		1									
	112877	BUSHING, 1/4" X 1/8" RED. (12.9570)	1						1				1
	5177490	NUT, 5/16" TUBE SEALASTIC (12.9445) * NOT SERVICED. FOR SERVICE USE 15" LENGTH OF 5199575 BULK HOSE PLUS (2) 9432248 ELBOWS, (2) 5199579 FITTINGS, (1) 2488022 CLIP, (1) 5100136 ADAPTOR.									1	1	
		12.3050 - TUBE, VACUUM PUMP OIL DRAIN											
	5135293	@ HOSE, #10 X 11 1/2" L (2.5060)									1		
	5135293	@ HOSE, #10 X 15" L (2.5060)	1			1							
	5135293	@ HOSE, 10" X 5/8" I.D. (2.5060)					1		1				
	5135293	@ HOSE, 5/8" I.D. X 28" L (2.5060)		1								1	
	5137105	HOSE ASSY., #4X11.50"L											1
	5144086	HOSE ASSY., #10X11.50"L											1
	5113215	FITTING, 5/8" HOSE X 1/2" EXT. PT. (12.6692)	1	1		1	1		1		1	1	
	5113192	FITTING, 5/8" HOSE, 7/8"-14 THD. (12.6689)	1	1		1	1		1		1	1	
3A	2325715	ELBOW, 1/2"-90 DEG. (3.5505)	1										
3A	137896	ELBOW, 1/2" STREET 45 DEG. (12.9590)		1									
3A	127849	ELBOW, 1/2" STREET 90 DEG. (12.9590)										1	
3A	109429	ELBOW, 5/8" FL. TUBE 90 DEG. (12.9390)				1	1		1				
3A	9402801	ELBOW, 5/8"-45 DEG. PIPE (12.9600)	1	1							1	1	1
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)									1		
	5163529	CLIP, 5/16" TUBE				1	1				1	1	
	5177623	CLIP, 3/8" TUBE (2.5120)					1						
	140571	CLIP, 1/2" TUBE (12.9630)	1										
	140582	CLIP, 1/2" TUBE (12.9630)		1									
	5165244	CLIP, 7/8" TUBE (4.8040)		1								2	
	5173022	BRACKET, CLIP (5.5379)		1									
	5157412	SPACER, 7/8" X 1/4" (7.4013)	1				1						
	181595	BOLT, 5/16"-24X3/4" (12.9001)		1									
	179839	BOLT, 3/8"-16X1" (12.9001)	1				1						
	120393	WASHER, 5/16" (12.9190)		1									
	103320	LOCKWASHER, 5/16" (12.9200)		1									
	114493	NUT, 5/16"-24 (12.9120)		1									

12.3000A VACUUM PUMP

. TYPES

PART	
FIG	NUMBER NAME AND DESCRIPTION

**12.3050 - TUBE, VACUUM PUMP OIL DRAIN
(CONT'D)**

@ STD. LENGTH HOSE; CUT TO LENGTH SHOWN.

12.3000A VACUUM PUMP

PART FIG NUMBER		NAME AND DESCRIPTION	TYPES															
FIG	NUMBER		4 5	4 6	4 7	4 8	4 9	5 0	5 3	5 4	5 6	5 7	5 8	5 9	6 0			
12.3001 - PUMP ASSY., VACUUM																		
NOTE: SERVICE ON COMPONENT PARTS OF VACUUM PUMP ASSEMBLIES IS HANDLED BY BENDIX PRODUCTS DIVISION, SOUTH BEND, INDIANA. (FURNISH THEIR ASSY. PART NUMBER.) ALL ITEMS LISTED IN THIS GROUP ARE SERVICED BY DETROIT DIESEL ALLISON.																		
3A	5173807	* PUMP ASSY. (CW) (BENDIX NO. 2503199)		1														
3A	8921252	PUMP ASSY. (CW) (BENDIX NO. 2501454)	1		1	1	1	1	1	1	1	1	1	1	1			
3A	5106182	PUMP ASSY. (NO. 2253076)								1								
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)							4		4			4				
	427567	BOLT, 7/16"-14X1 3/8" (12.9001)		4	4	4	4	4		4		4						
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)					2											
	181396	BOLT, 7/16"-20 X 1 1/8" (12.9001)					1						2					
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)	4										2		4			
	181399	BOLT, 7/16"-20X1 3/8" (12.9001)											2					
	103342	WASHER, 7/16" (12.9190)											2					
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	2	AR	AR	AR	AR	AR	AR	AR	AR			
	456939	NUT, 7/16"-20 (12.9120)	4												4			
* NOT SERVICED, FOR SERVICE USE 8921252 PUMP ASSY.																		
12.3005 - GASKET, VACUUM PUMP																		
3A	5131939	GASKET (PUMP TO BRACKET)	1	1	1	1	2	1	1	1	1	1	2	1	1			
12.3010 - PULLEY, VACUUM PUMP																		
3A	5162965	PULLEY (4" DIA., 2 GROOVES)	1												1			
3A	5126187	PULLEY (4" DIA., 2 GROOVES)		1	1	1	1	1	1	1	1	1	1	1				
	103385	PIN, 1/8"X1 1/4" COTTER (12.9250)			1			1			1	1						
12.3020 - SUPPORT, VACUUM PUMP																		
	5145711	BRACKET		1	1							1						
	5145594	BRACKET				1	1	1	1	1	1		1	1				
	5145415	SUPPORT	1												1			
	5130236	PLATE, ADAPTOR (.90 FORWARD)					1						1					
	5136906	SHIM (.005")	1												1			
	5136821	SHIM (.002")	1												1			
	186505	BOLT, 5/16"-24X1 1/4" (12.9001)					2											
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	1	4	4	4	4		4									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						4		4	4	4	4	4	1			
	9409239	BOLT, 3/8"-16X1 3/4" (12.9001)	2												2			
	5157244	BOLT, 3/8"-16X1 3/4" SPL (12.9001)		1	1	1	1	1	1	1	1	1	1	1				
	186624	BOLT, 15/16"-18X1 1/4" (12.9001)	1												1			
	179862	BOLT, 7/16"-14 X 1 1/2" (12.9001)											2					
	100015	BOLT, 5/16"-24X1 1/4" (12.9001)											2					
	5108435	WASHER, 3/8" (12.4010)	2												2			
	103320	LOCKWASHER, 5/16" (12.9200)	AR					AR					AR		AR			

12.3000A VACUUM PUMP

PART FIG . . . NUMBER		NAME AND DESCRIPTION													
		4 5	4 6	4 7	4 8	4 9	5 0	5 3	5 4	5 6	5 7	5 8	5 9	6 0	
12.3020 - SUPPORT, VACUUM PUMP (CONT'D)															
103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
103322	LOCKWASHER, 7/16" (12.9200)											2			
12.3040 - TUBE, VACUUM PUMP OIL SUPPLY															
5143848	= TUBE (DEV. L 18.56") (12.4065)		1	1											
5131828	HOSE ASSY. (1/4" I.D. X 20" L) (12.4065)	1				1						1		1	
3290514	HOSE ASSY.														
5199575	% HOSE, #6 BULK (CUT L 10.50") (12.8550)				1		1								
5199575	% HOSE, #6 BULK (CUT L 12") (12.8550)							1							
5199575	% HOSE, #6 BULK (CUT L 22.5") (12.8550)								1						
5199575	% HOSE, #6 BULK (CUT L 17.0") (12.8550)									1	1		1		
5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)				2		2	2	1	2	2		2		
5199593	FITTING, #6 HOSE (12.8552)								1						
5148648	PLUG, 1/2"-14" HEX. SKT. HD. (1.3182)	1												1	
9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)	1												1	
118753	ELBOW, 1/4" FL TUBE 90 DEG., 1/8" P.T. (12.9480)	1												1	
5177492	ELBOW, 5/16" TUBE 90 DEG. SEALASTIC (12.9425)		2	2											
225815	ELBOW, 5/16" FL TUBE 90 DEG., 1/8" P.T. (12.9480)							2	2			2			
9432248	ELBOW, 3/8" INV. FL TUBE (12.9480)				2		2	2	1	2	2		2		
193004	ELBOW, 3/8" INV. FL TUBE (12.9480)								1						
5177493	SEAL RING, 5/16" TUBE (12.9435)		2	2											
112877	BUSHING, 1/4" X 1/8" RED. (12.9570)	1				1						1		1	
5157412	SPACER, 7/8" X 1/4" (7.4013)											1			
5100136	ADAPTOR, 1/8" PIPE (12.9570)				1		1	1		1			1		
5100136	ADAPTOR, 1/8" PIPE (12.9570)										1				
444000	ADAPTOR, 1/4"-18 (12.9480)								1						
179839	BOLT, 3/8"-16X1" (12.9001)											1			
103321	LOCKWASHER, 3/8" (12.9200)											1			
2488022	CLIP, #6 HOSE (12.8554)				1		1	1	1	1	1		1		
140571	CLIP, 1/2" CLOSED (12.9630)											1			
5177490	NUT, 5/16" TUBE SEALASTIC (12.9445)		2	2											
	= NOT SERVICED: USE CUT 15" LENGTH 5199575 BULK HOSE PLUS (2) 9432248 ELBOWS, (2) 5199579 FITTINGS, (1) 2488022 CLIP, AND (1) 5100136 ADAPTOR. % BULK HOSE, CUT TO LENGTH SHOWN.														
12.3050 - TUBE, VACUUM PUMP OIL DRAIN															
5135293	* HOSE, 5/8" I.D. X 11 1/2" L (2.5060)	1	1	1	1	1	1	1	1		1		1	1	
5135293	* HOSE, 5/8" I.D. X 16" L (2.5060)									1					
5135293	* HOSE, 5/8" I.D. X 15" L (2.5060)											1			
5113215	FITTING (5/8" HOSE, 1/2" EXT. PT.) (12.4090)	1	1	1	1	1	1	1	1	1	1	1	1	1	
5113192	FITTING (5/8" HOSE, 7/8"-14 THD.) (12.6689)	1	1	1	1	1	1	1	1	1	1	1	1	1	
127849	ELBOW, 1/2" STREET 90 DEG. (12.9590)		1												
9402801	ELBOW, 5/8"-45 DEG. PIPE (12.9600)	1	1	1	1	1	1	1	1	1	1	1	1	1	
144034	BUSHING, 3/4" X 1/2" RED. (12.9570)			1				1		1	1		1		
5183529	CLIP, 5/16" TUBE (4.8040)		1	1											
140571	CLIP, 1/2" TUBE (12.9630)					1									
5185244	CLIP, 7/8" TUBE (4.8040)		2												
5157412	SPACER, 7/8" X 1/4" (7.4013)					1									
179839	BOLT, 3/8"-16X1" (12.9001)					1									

DETROIT DIESEL

53 MPC ENGINES

12.3000A VACUUM PUMP

..FIG ..	PART NUMBER	NAME AND DESCRIPTION	TYPES											
			4 5	4 6	4 7	4 8	4 9	5 0	5 3	5 4	5 6	5 7	5 8	6 0
	12.3050	TUBE, VACUUM PUMP OIL DRAIN (CONT'D)												
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
	12.4305	GOVERNOR, AIR COMPRESSOR												
	5144307	KIT, GOVERNOR (INCLUDES ATTACHING PARTS)								1				

12.3000A VACUUM PUMP

PART		NAME AND DESCRIPTION	TYPES											
FIG	NUMBER		6	1										
	12.3001	PUMP ASSY., VACUUM												
		NOTE: SERVICE ON COMPONENT PARTS OF VACUUM PUMP ASSEMBLIES IS HANDLED BY BENDIX PRODUCTS DIVISION, SOUTH BEND, INDIANA. (FURNISH THEIR ASSY. PART NUMBER.) ALL ITEMS LISTED IN THIS GROUP ARE SERVICED BY DETROIT DIESEL ALLISON.												
3A	8921252	PUMP ASSY. (CW) (BENDIX NO. 2503199)	1											
	427587	BOLT, 7/16"-14X1 3/8" (12.9001)	4											
	103322	LOCKWASHER, 3/8" (12.9200)	AR											
	12.3005	GASKET, VACUUM PUMP												
3A	5131939	GASKET (PUMP TO BRACKET)	1											
	12.3010	PULLEY, VACUUM PUMP												
3A	5128187	PULLEY (4" DIA., 2 GROOVES)	1											
	103385	PIN, 1/8"X1 1/4" COTTER (12.9250)	1											
	12.3020	SUPPORT, VACUUM PUMP												
	5145594	BRACKET	1											
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4											
	5157244	BOLT, 3/8"-16X1 3/4" SPL (12.9001)	1											
	103321	LOCKWASHER, 3/8" (12.9200)	AR											
	12.3040	TUBE, VACUUM PUMP OIL SUPPLY												
	5199575	% HOSE, #6 BULK (CUT L. 17.0") (12.8550)	1											
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)	2											
	9432248	ELBOW, 3/8" INV. FL. TUBE (12.9480)	2											
	5100136	ADAPTOR, 1/8" PIPE (12.9570)	1											
	2488022	CLIP, #6 HOSE (12.8554)	1											
		% BULK HOSE, CUT TO LENGTH SHOWN.												
	12.3050	TUBE, VACUUM PUMP OIL DRAIN												
	5135293	* HOSE, 5/8" I.D. X 11 1/2" L (2.5060)	1											
	5113215	FITTING, 5/8" HOSE, 1/2" EXT. PT. (12.4090)	1											
	5113192	FITTING, 5/8" HOSE, 7/8"-14 THD. (12.6689)	1											
	9402801	ELBOW, 5/8"-45 DEG. PIPE (12.9600)	1											
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												

12.4000A AIR COMPRESSOR

PART ..FIG .. NUMBER .. NAME AND DESCRIPTION ..			TYPES											
			2 1 0	2 1 1	2 1 6	2 1 7	2 2 6	2 2 7	2 3 1	2 3 3	2 4 1	2 5 8	2 6 5	2 6 6
12.4001 - COMPRESSOR ASSY., AIR														
COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTINGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.														
3B	NPN 5110404	* COMPRESSOR (CUSTOMER FURNISHED)												1
		* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 226434)	1		1					1			1	
3B	5131511	@ # COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 277056)	1		1					1			1	
3B	5145614	+ COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283368) (5106138-M.R. #N5309A)	1		1					1			1	
3B	5110405	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 226433)		1		1								
3B	5131512	@ # COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 277055)		1		1								
3B	5145615	+ COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283371) (5106137-M.R. #N5309)		1		1								
3B	2370584	# * COMPRESSOR ASSY. (12 CFM) (B.W. 228320)					1	1						
3B	5145616	+ @ COMPRESSOR ASSY. (12 CFM) (B.W. 277057) (5102066-B.W. #285924)					1	1						
3C	5144300	= COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 282383) (5106140-M.R. #N5504B)					1							
3B	5118886	* COMPRESSOR ASSY. (12 CFM) (B.W. 228321)							1		1			
	5101405	COMPRESSOR ASSY. (12 CFM) (B.W. 286692)							1					
3B	5102067	@ COMPRESSOR ASSY. (12 CFM) (B.W. 285923)							1		1			
3B	5110403	= COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 226435) (5106140-M.R. #N5504B)										1		
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)											4	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4	4	4	4	4	4			4			
	427570	BOLT, 7/16"-14X2" (12.9001)										1		
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)							4	4				
	186689	BOLT, 1/2"-13X2" (12.9001)										2		
	5150568	WASHER, 7/16" COPPER (2.4050)										1		
	5164360	WASHER, 15/32" (6.1001)											4	
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4		4	
	456939	NUT, 7/16" (12.9120)							4	4				
* THRU 4D-9762, 6D-3027. NOT SERVICED, USE SECOND COMPRESSOR ASSY. SHOWN IN SAME TYPE.														
@ EFFECTIVE WITH 4D-9763, 6D-3028.														
# NOT SERVICED; USE SECOND COMPRESSOR ASSY. SHOWN IN SAME TYPE.														
= USE 5145014 AND 5145009 PLUGS AS REQUIRED.														
+ NOT SERVICED; FOR COMPLETE REPLACEMENT USE DDA PART NUMBER SHOWN IN PARENTHESES.														
12.4005 - GASKET, AIR COMPRESSOR MOUNTING														
	5131939	GASKET	1	1	1	1	1	1	1	1	1		1	
	2070614	GASKET										1		

12.4000A AIR COMPRESSOR

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	2 1 0	2 1 1	2 1 6	2 1 7	2 2 6	2 2 7	2 3 1	2 3 3	2 4 1	2 5 8	2 6 5	2 6 6
12.4010 - BRACKET, AIR COMPRESSOR MOUNTING														
	5125658	% BRACKET (5145594)	1		1						1			
	5125659	% BRACKET (5145711)		1		1	1	1						
	5128008	BRACKET							1	1				
	5100255	BRACKET											1	
	5117741	PLATE											1	
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)							1	1				
	186622	BOLT, 3/8"-18X1 1/4" (12.9001)	5	5	5	5	5	5	1	1	5			
	9409231	BOLT, 3/8"-18X1 1/2" LOCK (12.9001)							2	2				
	179847	BOLT, 3/8"-16X2" (12.9001)											2	
	455537	BOLT, 3/8"-16X4" (12.9001)											2	
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)											4	
	5108435	WASHER, 3/8"							2	2				
	103320	LOCKWASHER, 5/16" (12.9200)							1	1				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	1	1	AR		AR	
	103322	LOCKWASHER, 7/16" (12.9200)											4	
		% NOT SERVICED; USE BRACKET SHOWN IN PARENTHESES PLUS (2) 427564 BOLTS, (1) 5157244 BOLT, (2) 103322 LOCKWASHERS.												
12.4015 - PULLEY, AIR COMPRESSOR														
3B	5124700	+ PULLEY (7.5" DIA., 2 GROOVES)	1	1	1	1	1	1			1			
3B	5127110	PULLEY (8" DIA., 2 GROOVES)							1	1				
3B	5129965	PULLEY (7.5" DIA., 2 GROOVES)											1	
	103385	PIN, 1/8"X1" COTTER (12.9250)	1	1	1	1	1	1	1	1	1		1	
		+ OBSOLETE.												
12.4020 - ADAPTOR, AIR COMPRESSOR														
	5108441	ADAPTOR										1		
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)										2		
12.4025 - GASKET, AIR COMPRESSOR ADAPTOR														
	5117061	GASKET (1.5040)										1		
12.4037 - PLATE, AIR COMPRESSOR DRIVE														
3C	5170450	PLATE (1.7630)					1					1		1
	5122922	RETAINER (1.7207)												1
	5108836	STUD, 3/8"-24X1 3/4" (12.9117)												1
3C	5145092	BOLT, 3/8"-24X1.20" SELF LOCKING (12.5015)					4							
3C	5145091	BOLT, 3/8"-24X1.38", SELF LOCKING (12.5015)										4		3

12.4000A AIR COMPRESSOR

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	2 1 0	2 1 1	2 1 6	2 1 7	2 2 6	2 2 7	2 3 1	2 3 3	2 4 1	2 5 8	2 6 5	2 6 6
		12.4037 - PLATE, AIR COMPRESSOR DRIVE (CONT'D)												
	5145431	NUT, 3/8"-24 JAM CAD.												1
	9413533	NUT, 3/8"-24 SELF LOCK (12.9120)												1
		12.4040 - HUB, AIR COMPRESSOR												
3C	5144866	HUB										1		1
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" ARE "PREMIUM" POLYESTER BELTS. "MILITARY STANDARD" ARE "PREMIUM" POLYESTER BELTS.												
	5126763	BELT SET (2 BELTS) (40.00"L. .500"W.) (1.3320)											1	
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
3C	5141773	COUPLING										1		1
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
3C	5125968	# TUBE ASSY., DEV. L. 17.24"		1		1	1	1						
3C	5143849	TUBE ASSY., DEV. L. 21.62"	1		1						1			
3C	5131828	HOSE ASSY., 1/4" I.D. X 20" L.								1				
3C	2328626	HOSE ASSY., 3/16" I.D. X 16 1/2" L.											1	
3C	2193387	HOSE ASSY., 3/16" I.D. X 19 11/16" L. (12.4070)										1		
3C	5132273	HOSE ASSY., 5/16" I.D. X 18 1/4" L. (2.5215)							1					
	116341	ELBOW, 1/8" P.T. 45 DEG. (12.9480)	1		1						1			
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)								1			1	
	125859	ELBOW, 1/4" INV. FL. TUBE 45 DEG., 1/8" P.T. (12.9390)		1		1	1							
	118753	ELBOW, 1/4" FL. TUBE 90 DEG., 1/8" P.T. (12.9480)								1		2	1	
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG., 1/8" P.T. (12.9480)	2	2	2	2	2	2	1		2			
	118748	CONNECTOR, 1/4" FL. TUBE, 1/8" P.T. (12.9380)									1			
	442322	CONNECTOR, 5/16" INV. FL. TUBE, 1/8" P.T. (12.9460)							1					
		# NOT SERVICED; FOR SERVICE USE 5199575 HOSE, 2-5199579 FITTINGS, 2-9432248 ELBOWS, 1-5100136 ADAPTOR AND 1-2488022 CLIP.												

12.4000A AIR COMPRESSOR

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	2 1 0	2 1 1	2 1 6	2 1 7	2 2 6	2 2 7	2 3 1	2 3 3	2 4 1	2 5 8	2 6 5	2 6 6
12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN														
3C	5138542	* HOSE, 3/4" I.D. X 12" L. (12.4375)	1	1			1							
3C	5135293	* HOSE, 5/8" I.D. X 10" L. (2.5060)			1	1		1	1	1	1			
3C	5135293	* HOSE, 5/8" I.D. X 5 1/4" L. (2.5060)											1	
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG., 1/4" P.T. (12.9480)							1					
	5177492	ELBOW, 5/16" TUBE, 90 DEG. (SEALASTIC)	2		2						2			
	108686	ELBOW, 1/2" PIPE 90 DEG. STREET (12.9590)											1	
	109429	ELBOW, 5/8" FL. TUBE 90 DEG., 1/2" P.T. (12.9390)				1	1	1	1	1	1		1	
	110289	ELBOW, 3/4" FL. TUBE 90 DEG., 1/2" P.T. (12.9390)	1	1			1							
	5113215	FITTING (5/8" HOSE X 1/2" EXT. PIPE) (12.6692)				1	1	1	1	1	1		1	
	5113192	FITTING (5/8" HOSE X 5/8" FL. TUBE SWIVEL) (12.6689)				1	1	1	1		1		1	
	5121190	FITTING (3/4" HOSE X 3/4" EXT. PIPE) (4.7100)	1	1			1							
	5126728	FITTING (3/4" HOSE X 3/4" FL. TUBE SWIVEL) (12.4070)	1	1			1							
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)											1	
	444004	ADAPTOR, 1/2" P.T. AUTO PIPE (12.9565)											1	
	5177493	SEAL RING, 5/16" TUBE SEALASTIC	2		2						2			
	5177490	NUT, 5/16" TUBE SEALASTIC (12.9445) * STD. LENGTH HOSE; CUT TO LENGTH SHOWN.	2		2						2			
12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE														
	5163529	CLIP (SUPPLY)	1		1	1		1						
	3290442	CLIP (SUPPLY) (7.4085)		1			1							
	5153473	CLIP (4.6040)										1	1	
	5171509	CLIP (9.1591)											1	
	5179861	BRACKET, CLIP (7.3245)											1	
	5114551	CABLE TAG (7.4545)											1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)											1	
	103320	LOCKWASHER, 5/16" (12.9200)											1	
	120376	NUT, 5/16"-18 (12.9120)											1	
12.4085 - TUBE, AIR COMPRESSOR WATER INLET														
3C	5126630	* TUBE (DEV. L. 7.38")	1		1									
3C	5126631	* TUBE (DEV. L. 7.38")		1		1								
3C	5125902	HOSE ASSY. (13/32" I.D. X 16" L.)					1	1			1			

12.4000A AIR COMPRESSOR

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	2 1 0	2 1 1	2 1 6	2 1 7	2 2 6	2 2 7	2 3 1	2 3 3	2 4 1	2 5 8	2 6 5	2 6 6
12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)														
3C	5129157	# HOSE, 1/2" I.D. X 10" L. (8.3830)							1	1				
3C	5129157	# HOSE, 1/2" I.D. X 23" L. (8.3830)										1		
3C	5129157	# HOSE, 1/2" I.D. X 12 1/2" L. (8.3830)											1	
	5115097	COVER (3/8" TAPPED HOLE) (1.1060)	1	1	1	1	1	1	1	1	1	1		
	444056	ELBOW, 3/8" STREET 45 DEG. (12.9590)					1	1			1			
	444042	ELBOW, 3/8" PIPE 90 DEG. STREET (12.9590)											1	
	5138299	@ ELBOW ASM., 1/2" 90 DEG. SEALASTIC 3/8" P.T. (12.9425)	2	2	2	2								
	118757	ELBOW, 1/2" FL. TUBE 90 DEG., 3/8" P.T. (12.9390)	2	2	2	2	1	1	1	1	1			
	5130294	ELBOW (1/2" INV. FL. TUBE 45 DEG.) (12.4090)										1		
	9402839	ELBOW, 1/2" HYD. FL. TUBE 90 DEG. (12.9391)											1	
	5121825	FITTING (1/2" HOSE X 3/8" EXT. PIPE) (12.4090)							1	1			1	
	5120020	FITTING (1/2" HOSE X 1/2" FL. TUBE SWIVEL)	2	2	2	2			1	1		2	1	
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)	2	2	2	2								
	114981	DRAINCOCK, 1/8" (12.9510)							1	1				
	118536	DRAINCOCK, 1/8" (12.9510)										1		
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)							1	1				
	444136	TEE, 3/8"-18 P.T. (12.9616)							1	1		1		
* NOT SERVICED; USE 5129157 HOSE PLUS (2) 5120020 AND (2) 118757.														
# STD LENGTH HOSE: CUT TO LENGTH SHOWN.														
@ INCLUDES SEAL RING IN (12.04085) PLUS NUT NOT SOLD SEPARATELY.														
12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET														
3C	5131285	TUBE (DEV. L. 12.62")	1	1	1	1					1			
3C	5127067	TUBE (DEV. L. 13.4")					1	1						
3C	5129157	# HOSE, 1/2" I.D. X 6 1/2" L. (8.3830)							1					
3C	5129157	# HOSE, 1/2" I.D. X 7 1/2" L. (8.3830)								1				
3C	5133776	* HOSE, 1/2" I.D. X 14" L.										1		
3C	5125902	HOSE ASSY., 1/2" I.D. X 16" L. (2.5100)										1		
3C	5129157	# HOSE, 1/2" I.D. X 19" L. (8.3830)											1	
	5123362	COVER (3/8" TAPPED HOLE) (1.2043)										1		
	5108741	= ADAPTOR (COVER) (THREE TAPPED HOLES, 1/2", 3/8" AND 1/2") (1.1060)											1	

12.4000A AIR COMPRESSOR

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION											
		2 1 0	2 1 1	2 1 6	2 1 7	2 2 6	2 2 7	2 3 1	2 3 3	2 4 1	2 5 8	2 6 5	2 6 6
	12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)												
444056	ELBOW, 3/8" STREET 45 DEG. (12.9590)							1					
111316	ELBOW, 3/8" PIPE 90 DEG. STREET (12.9590)										1		
444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)								1				
118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)										1		
137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)							1	1				
9402839	ELBOW, 1/2" HYD. FL. TUBE 90 DEG. (12.9391)											1	
5138299	@ ELBOW ASM., 1/2" 90 DEG. SEALASTIC, 3/8" P.T. (12.9425)					1	1			1			
5138292	@ ELBOW ASM., 1/2" 45 DEG. SEALASTIC 3/8" P.T. (12.9425)	1	1	1	1	1	1			1			
142269	BUSHING, 1/2" X 3/8" RED. (12.9570)							1	1			1	
5121825	FITTING, 1/2" HOSE X 3/8" EXT. P.T.							1	1		1	1	
5173854	FITTING, 1/2" HOSE X 3/4" P.T.							1	1				
5120020	FITTING, 1/2" HOSE X 1/2" FL. TUBE SWIVEL (12.4085)										1	1	
5176521	NIPPLE, 1/2" TUBE SEALASTIC (12.9415)	1	1	1	1								
5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)	2	2	2	2	2	2			2			
	# STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
	* NOT SERVICED, USE 5125902 HOSE ASSY., WHICH INCLUDES INTEGRAL FITTINGS.												
	@ INCLUDES SEAL RING IN (12.04090) PLUS NUT NOT SOLD SEPARATELY.												
	% OBSOLETE												
	= NOT SERVICED; FOR SERVICE REQUIREMENTS REWORK 5114712.												
	12.4096 - CLIP, AIR COMPRESSOR WATER TUBE												
5151189	CLIP (3/4" TUBE) (4.8040)											1	
	12.4300 - STRAINER, AIR COMPRESSOR												
3C 5110411	STRAINER ASSY.	1	1	1	1	1	1	1	1	1	1	1	
3C 5110410	GASKET	1	1	1	1	1	1	1	1	1	1	1	
3C 179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	
3C 103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	

12.4000A AIR COMPRESSOR

PART ..FIG ... NUMBER		NAME AND DESCRIPTION		TYPES											
		2 6 8	2 7 3	2 7 5	2 7 8	2 7 9	2 8 3	2 8 7	2 8 8	2 8 9	2 9 3	2 9 4	3 0 2		
12.4001 - COMPRESSOR ASSY., AIR															
		COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTINGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.													
	NPN	COMPRESSOR (CUSTOMER FURNISHED)													
3B	5110404	*	COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 226434)												
3B	5131511	@ #	COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 277056)												
3B	5145614	+	COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283368) (5106138-M.R. #N5309A)												
3B	5110405	*	COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 226433)												
3B	5131512	@ #	COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 277055)												
3B	5145615	+	COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283371) (5106137-M.R. #N5309)												
3B	2370584	*	COMPRESSOR ASSY. (12 CFM) (B.W. 228320)												
3B	5145616	+	@	COMPRESSOR ASSY. (12 CFM) (B.W. 277057) (5102066 B.W. 285924)											
3C	5144300	=	COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 282383) (5106140-M.R. #N5504B)												
3B	5118886	*	COMPRESSOR ASSY. (12 CFM) (B.W. 228321)												
3B	5102067	@	COMPRESSOR ASSY. (12 CFM) (B.W. 285923)												
3C	5109672	*	COMPRESSOR ASSY. (12 CFM) (B.W. 276167)												
	5144302	=	COMPRESSOR ASSY. (12 CFM) (B.W. 282389)												
3C	5101017	COMPRESSOR ASSY. (12 CFM) (B.W. 285970)													
3C	5111996	*	COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 276136)												
3C	5127616	*	COMPRESSOR ASSY. (12 CFM) (B.W. 229694)												
3C	5131515	@ &	COMPRESSOR ASSY. (12 CFM) (B.W. 276961)												
	5109747	COMPRESSOR ASSY. (12 CFM) (B.W. 1898-85)													
	111316	ELBOW, 3/8" PIPE 90 DEG. ST. (12.9590)													
	118536	DRAINCOCK, 3/8" (12.9510)													
	5145014	PLUG, 3/8" PIPE (12.9550)													
	103375	PIN, 3/32"x1 1/4" COTTER (12.9250)													
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)													
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)													
	181395	BOLT, 7/16"-20X1" (12.9001)													
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)													
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)													
	5164360	WASHER, 15/32" (6.1001)													
	103322	LOCKWASHER, 7/16" (12.9200)													
	456939	NUT, 7/16" (12.9120)													
		* THRU 4D-9762, 6D-3027. NOT SERVICED, USE SECOND COMPRESSOR ASSY. SHOWN IN SAME TYPE.													

12.4000A AIR COMPRESSOR

PART		TYPES												
..FIG ..	NUMBER	NAME AND DESCRIPTION	2 6 8	2 7 3	2 7 5	2 7 8	2 7 9	2 8 3	2 8 7	2 8 8	2 8 9	2 9 3	2 9 4	3 0 2
		12.4001 - COMPRESSOR ASSY., AIR (CONT'D)												
		@ EFFECTIVE WITH 4D-9763, 6D-3028.												
		# NOT SERVICED, USE SECOND COMPRESSOR ASSY. SHOWN IN SAME TYPE.												
		= USE 5145014 AND 8924380 PLUGS AS REQUIRED.												
		& NOT SERVICED, USE 5144302 COMPRESSOR AND INCLUDE 6-5145014 PLUGS AND 1-8924380 PLUG.												
		+ NOT SERVICED; FOR COMPLETE REPLACEMENT USE DDA PART NUMBER SHOWN IN PARENTHESES.												
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
	5131939	GASKET	1	1					1			1	1	1
3C	5104506	GASKET (1.5040)			1	1	1			1				
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
	5126659	@ BRACKET		1										
	5128005	BRACKET	1						1		1			
	5100255	BRACKET										1		
	5109981	# BRACKET											1	
	5133103	BRACKET, UPPER SUPPORT											1	
	5130737	BRACKET												1
	5117741	PLATE, MOUNTING										1		
	8924380	PLUG, 1/8" PIPE (12.9550)												1
	5157412	SPACER, 7/8" X 13/32" X 1/4" (7.4013)												1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)	1						1		1		1	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	1	5					1		1		3	
	9409231	BOLT, 3/8"-16X1 1/2" LOCK (12.9001)	2						2		2		2	
	179847	BOLT, 3/8"-16X2" (12.9001)										2		
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)												2
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)											3	
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)												2
	455537	BOLT, 3/8"-16X4" (12.9001)										2		
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)										2		
	5108435	WASHER, 3/8"	2						2		2		2	
	103341	WASHER, 3/8" (12.9190)											3	
	103320	LOCKWASHER, 5/16" (12.9200)	1						1		1		1	
	103321	LOCKWASHER, 3/8" (12.9200)	1	AR					1		1	AR	1	AR
	103322	LOCKWASHER, 7/16" (12.9200)												
		@ NOT SERVICED; USE 5145711 BRACKET PLUS (2) 427564 BOLTS, (1) 5157244 BOLT, (2) 103322 LOCKWASHERS.												

12.4000A AIR COMPRESSOR

PART		TYPES												
..FIG	NUMBER	NAME AND DESCRIPTION	268	273	275	278	279	283	287	288	289	293	294	302
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)												
		# NOT SERVICED; USE 5145415 AND INCLUDE (2) 9409917 BOLTS, (2) 5136821 AND (2) 5136906 SHIMS.												
		12.4015 - PULLEY, AIR COMPRESSOR												
3B	5124700	+ PULLEY (7.5" DIA., 2 GROOVES)		1										
3B	5127110	PULLEY (6" DIA., 2 GROOVES)	1						1					
3B	5109690	+ PULLEY (4.3" DIA., 1 GROOVE)						1						
3B	5129965	PULLEY (7.5" DIA., 2 GROOVES)										1		1
3B	5162966	PULLEY (6.25" DIA., 2 GROOVES)											1	
	103385	PIN, 1/8"X1" COTTER (12.9250)	1						1			1	1	1
	181427	BOLT, 1/2"-20X1" (12.9001)						1						
	5188274	WASHER, 1/2" (6.1020)						1						
	103323	LOCKWASHER, 1/2" (12.9200)						1						
		+ OBSOLETE.												
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
3C	5170450	PLATE (1.7630)			1	1	1	1		1				
3C	5145092	BOLT, 3/8"-24X1.20" SELF LOCKING (12.5015)			4	4								
3C	5145091	BOLT, 3/8"-24X1.38", SELF LOCKING (12.5015)					4	4		4				
		12.4040 - HUB, AIR COMPRESSOR												
3C	5144866	HUB			1	1	1	1		1				
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" ARE "PREMIUM" POLYESTER BELTS.												
	5126763	BELT SET (2 BELTS) (40.00"L., .500"W.) (1.3320)										1		
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
3C	5141773	COUPLING			1	1	1	1		1				
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
3C	5125968	# TUBE ASSY. (DEV. L. 17.24")		1										
3C	5109991	TUBE ASSY. (DEV. L. 32.24")					1							
3C	5109926	HOSE ASSY. (#4 I.D.X25" L.)						1						
3C	5131828	HOSE ASSY. (1/4" I.D. X 20" L.)	1											

12.4000A AIR COMPRESSOR

PART		NAME AND DESCRIPTION	TYPES											
FIG	NUMBER		2 6 8	2 7 3	2 7 5	2 7 8	2 7 9	2 8 3	2 8 7	2 8 8	2 8 9	2 9 3	2 9 4	3 0 2
12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)														
3C	5131604	HOSE ASSY. (3/16" I.D. X 15 21/32" L.)						1						
3C	2328626	HOSE ASSY. (3/16" I.D. X 16 1/2" L.)							1		1		1	
3C	2320203	HOSE ASSY. (3/16" I.D. X 16 11/16" L.)				1								
	8924213	ELBOW, 1/8" STREET 90 DEG. (12.9590)	1									1	1	1
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)							1	1				
	8924149	ELBOW, 1/4" FL. TUBE 90 DEG., 1/8" P.T. (12.9390)	1		2					1		1	1	1
	225810	ELBOW, 1/4" INV. FL. TUBE 90 DEG., 1/8" P.T. (12.9480)					1							
	8924153	ELBOW, 5/16" INV. FL. TUBE 90 DEG., 1/8" P.T. (12.9480)		2										
	118748	CONNECTOR, 1/4" FL. TUBE, 1/8" P.T. (12.9380)	1					1	1				1	
	8924170	CONNECTOR, 1/4" INV. FL. TUBE, 1/8" P.T. (12.9460)												
	5182120	NIPPLE, 1/8" X .76" PIPE (7.4074)							1	1				
	105404	NIPPLE, 1/8" X 3/4" PIPE (12.9560)						1						
	8924214	TEE, 1/8" PIPE (7.4586)						1						
	144082	TEE, 1/8" PIPE (12.9616)							1					
	105418	CROSS, 1/8" PIPE								1	1			
	5100136	ADAPTOR, 1/8" PIPE (12.9570)						1						
	8924380	PLUG, 1/8" PIPE (12.9550)						1		2	2			
	# NOT SERVICED; FOR SERVICE USE 5199575 HOSE, 2-5199579 FITTINGS, 2-9432248 ELBOWS, 1-5100136 ADAPTOR AND 1 -2488022 CLIP.													
12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN														
3C	5135293	* HOSE, 5/8" I.D. X 10" L. (2.5060)		1							1			
3C	5135293	* HOSE, 5/8" I.D. X 5 1/4" L. (2.5060)										1		
3C	5135293	* HOSE, 5/8" I.D. X 11 1/2" L. (2.5060)	1						1				1	1
	137895	ELBOW, 1/2" STREET 45 DEG. (12.9590)												1
	108686	ELBOW, 1/2" PIPE 90 DEG. STREET (12.9590)										1		
	109429	ELBOW, 5/8" FL. TUBE 90 DEG., 1/2" P.T. (12.9390)	1	1					1		1	1	1	
	116487	CONNECTOR, 5/8" FL. TUBE, 1/2" P.T. (12.9380)												1
	5113215	FITTING, 5/8" HOSE X 1/2" EXT. PIPE (12.6692)	1	1					1		1	1	1	1
	5113192	FITTING, 5/8" HOSE X 5/8" FL. TUBE SWIVEL (12.6689)	1	1					1		1	1	1	1
	144034	BUSHING, 3/4" X 1/2" RED. (12.9570)	1						1			1	1	
	8924174	ADAPTOR, 1/2" P.T. AUTO PIPE (12.9565)										1		
	* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.													

12.4000A AIR COMPRESSOR

PART			TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	2 6 8	2 7 3	2 7 5	2 7 8	2 7 9	2 8 3	2 8 7	2 8 8	2 8 9	2 9 3	2 9 4	3 0 2		
12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE																
	5163529	CLIP, 5/16" TUBE (12.3060)		1												
	5163473	CLIP, 1/2" TUBE (4.6040)				1						1		1		
	5171509	CLIP, 5/8" TUBE (9.1591)				1				1						
	5158509	CLIP, 1/4" SPECIAL (7.8320)					1									
	5157372	CLIP, 1/4" TUBE (3.4433)					1									
	5110070	CLIP, 3/8" TUBE (2.5120)						1								
	5179861	BRACKET, CLIP (7.3245)					1									
	5173022	BRACKET, CLIP (5.5379)								1						
	5114551	CABLE, TAG (7.4545)	AR			AR			AR				AR			
	179816	BOLT, 5/16"-18X3/4" (12.9001)				1				1						
	179837	BOLT, 3/8"-16X3/4" (12.9001)						1								
	103341	WASHER, 3/8" (12.9190)						1		1						
	103321	LOCKWASHER, 3/8" (12.9200)						1								
	103320	LOCKWASHER, 5/16" (12.9200)				1				1						
	120376	NUT, 5/16"-18 (12.9120)				1				1						
12.4085 - TUBE, AIR COMPRESSOR WATER INLET																
3C	5126631	* TUBE (DEV. L. 7.38")		1												
3C	5129157	# HOSE, 1/2" I.D. X 10" L. (8.3830)	1						1				1			
3C	5129157	# HOSE, 1/2" I.D. X 31.74" L. (8.3830)						1								
3C	5129157	# HOSE, 1/2" I.D. X 23" L. (8.3830)					1			1						
3C	5129157	# HOSE, 1/2" I.D. X 12 1/2" L. (8.3830)										1		1		
3C	5129157	# HOSE, 1/2" I.D. X 30 1/2" L. (8.3830)				1										
	5115097	COVER (3/8" TAPPED HOLE) (1.1060)	1	1		1		1	1	1			1			
	5101260	COVER (TWO TAPPED HOLES, 1/8" AND 3/8") (1.1060)												1		
	444042	ELBOW, 3/8" PIPE 90 DEG. STREET (12.9590)										1				
	9432248	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2													
	5138299	@ ELBOW ASM., 1/2" 90 DEG. SEALASTIC, 3/8" P.T. (12.9425)		2				1								
	5122663	ELBOW, 1/4" PIPE (5.3430)						1								
	8924150	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)				1			1	1			1			
	8924201	ELBOW (1/2" INV. FL. TUBE 45 DEG.) (12.4090)					1							1		
	9402839	ELBOW, 1/2" HYD. FL. TUBE 90 DEG. (12.9391)										1		1		
	5121825	FITTING (1/2" HOSE X 3/8" EXT. PIPE) (12.4090)	1			1	1		1	1		1	1			
	5120020	FITTING (1/2" HOSE X 1/2" FL. TUBE SWIVEL)	1	2		1	1	2	1	1		1	1	1		
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)		2				1								
	114981	DRAINCOCK, 1/8" (12.9510)	1						1				1			
	118536	DRAINCOCK, 1/8" (12.9510)				1		1		1						
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)				1		1		1						
	5138306	NIPPLE, 3/8"X1" PIPE (12.9415)						1								
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)	1				1		1				1			
	120280	TEE, 3/8"-18 P.T. (12.9616)						1								
	8924177	TEE, 3/8"-18 P.T. (12.9616)	1			1	1		1	1			1			
	8924380	PLUG, 1/8" PIPE (12.9550)												1		
	186625	BOLT, 5/16"-18X7/8" (12.9001)						2								
	* NOT SERVICED; USE 5129157 HOSE PLUS (2) 5120020 AND (2) 9432248.															

12.4000A AIR COMPRESSOR

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	2 6 8	2 7 3	2 7 5	2 7 8	2 7 9	2 8 3	2 8 7	2 8 8	2 8 9	2 9 3	2 9 4	3 0 2
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
		STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		@ INCLUDES SEAL RING IN (12.4085).												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
3C	5131285	+ TUBE (DEV. L. 12.62")		1										
3C	5130848	TUBE (DEV. L. 15.20")												1
3C	5129157	# HOSE, 1/2" I.D. X 6 1/2" L. (8.3830)				1								
3C	5129157	# HOSE, 1/2" I.D. X 7 1/2" L. (8.3830)	1						1				1	
3C	5125902	HOSE ASSY. (1/2" I.D. X 16" L.) (2.5100)				1								
3C	5129157	# HOSE, 1/2" I.D. X 19" L. (8.3830)						1				1		
3C	5129157	# HOSE, 1/2" I.D. X 12 1/2" L. (8.3830)					1			1				
	5123352	COVER, 3/8" TAPPED HOLE (1.2043)				1	1			1				
	5114712	ADAPTOR (COVER) (THREE TAPPED HOLES, 1/2", 3/8" AND 1/2") (1.1060)											1	
	2191465	TEE, 1/8" X 1/4" (7.8295)						1						
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)	1						1				1	
	8924150	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)		2			1	2		1				
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)	1						1				1	
	9402839	ELBOW, 1/2" HYD. FL. TUBE 90 DEG. (12.9391)										1		
	8924201	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.4090)				1								
	5138298	ELBOW ASM., 3/8" 90 DEG. SEALASTIC (12.9425)						1						
	5138299	@ ELBOW ASM., 1/2" 90 DEG. SEALASTIC, 3/8" P.T. (12.9425)							1					1
	5138292	@ ELBOW ASM., 1/2" 45 DEG. SEALASTIC, 3/8" P.T. (12.9425)		1										
	8924220	ELBOW, 1/2"-90 DEG. (3.5505)				1								
	8924148	CONNECTOR, 1/2" FL. TUBE (12.9380)		2		1								
	116332	BUSHING, 3/8" X 1/4" RED (12.9570)						1						
	8924158	BUSHING, 1/2" X 3/8" RED. (12.9570)	1						1			1	1	
	5121825	FITTING (1/2" HOSE X 3/8" EXT. P.T.)	1				1		1	1		1	1	
	5173854	FITTING (1/2" HOSE X 3/4" P.T.) (12.3050)	1						1				1	
	5120020	FITTING (1/2" HOSE X 1/2" FL. TUBE SWIVEL) (12.4085)		2		3	1	2		1		1		
	5138306	NIPPLE ASM., 1/2" SEALASTIC (12.9415)		1										1
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)	1											2
	8924380	PLUG, 1/8" PIPE (12.9550)						1						
	5145014	PLUG, 3/8" PIPE (12.9550)				1								
	5115214	PLUG, 1/2" PIPE (12.9550)										1		
		# STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												

12.4000A AIR COMPRESSOR

			TYPES											
..FIG	PART NUMBER	NAME AND DESCRIPTION	2 6 8	2 7 3	2 7 5	2 7 8	2 7 9	2 8 3	2 8 7	2 8 8	2 8 9	2 9 3	2 9 4	3 0 2
	12.4090	TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)												
		+ NOT SERVICED, USE 5129157, 2-5120020, 1-8924150, 1-8924148. @ OBSOLETE.												
	12.4095	CLIP, AIR COMPRESSOR WATER TUBE												
	5151189	CLIP, 3/4" TUBE (4.8040)										1		
	5168001	CLIP, 1/2" TUBE						1						
	12.4300	STRAINER, AIR COMPRESSOR ON COMPRESSOR												
3C	5110411	STRAINER ASSY.	1			1		1				1	1	1
3C	5110410	GASKET	1	1		1		1	1			1	1	1
3C	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2	2		2		2	2			2	2	2
3C	103320	LOCKWASHER, 5/16" (12.9200)	2	2		2		2	2			2	2	2
	12.4305	GOVERNOR KIT, AIR COMPRESSOR												
	2309860	GOVERNOR (B.W. 224333)						1						
	12.4375	TUBE, AIR COMPRESSOR BOOSTER												
3C	5129583	TUBE ASSY.									1			
	179816	BOLT, 5/16"-18X3/4" (12.9001)									2			
	103320	LOCKWASHER, 5/16" (12.9200)									2			
	12.4380	GASKET, AIR COMPRESSOR BOOSTER TUBE												
	5110410	GASKET (12.4300)								1				

12.4000A AIR COMPRESSOR

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	304	308	312	315	322	323	325	338	341	351	352	354
12.4001 - COMPRESSOR ASSY., AIR														
COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTINGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.														
	NPN	COMPRESSOR (CUSTOMER FURNISHED)	1					1						
3B	5118886	* COMPRESSOR ASSY. (12 CFM) (B.W. 228321)		1	1	1			1					
3B	5102067	@ = COMPRESSOR ASSY. (12 CFM) (B.W. 285923)		1	1	1			1					
3C	5144302	= COMPRESSOR ASSY. (12 CFM) (B.W. 282389)					1							
	5138835	* COMPRESSOR ASSY. (12 CFM) (B.W. 280368)					1							
3B	5110404	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 226434)								1				
3B	5131511	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 277056)								1			1	
3B	5145814	+ = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283368) (5106138-M.R. #N5309A)								1			1	
3C	5101017	COMPRESSOR ASSY. (12 CFM) (B.W. 285970)									1			
	5131515	* COMPRESSOR ASSY. (12 CFM) (B.W. 276961)									1			
3B	5131512	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 277055)										1		
	5145815	+ = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283371) (5106137-M.R. #N5309)										1		
3C	5144300	+ = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 282383) (5106140-M.R. #N55048)												1
	2428600	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 276169)												1
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)				1				1				
	118536	DRAINCOCK, 3/8" BR. (12.9510)				1				1				
	5145014	PLUG, 3/8" PIPE SKT. HD. (12.9550)				1				1	1	1		
	5131310	SPACER, 1" THICK			1									
	5145416	SPACER, 1 1/2" THICK							1					
	103375	PIN, 3/32"x1 1/4" COTTER (12.9250)					1				1			1
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)										4	4	
	450501	BOLT, 7/16"-14X2 3/4" (12.9001)			4									
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)							4					
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)	4		4					4				
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)					4				4			4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4				4	4		4	4	
	103323	LOCKWASHER, 1/2" (12.9200)					4				4			4
	271500	NUT, 7/16"-14 (12.9120)			4				4					
	456939	NUT, 7/16"-20 (12.9120)	4		4					4				
* THRU 6D-3027. NOT SERVICED; USE SECOND COMPRESSOR ASSY. SHOWN IN SAME TYPE.														
@ EFFECTIVE WITH 6D-3028.														
+ NOT SERVICED; FOR COMPLETE REPLACEMENT USE DDA PART NUMBER SHOWN IN PARENTHESES.														

12.4000A AIR COMPRESSOR

TYPES

FIG	PART NUMBER	NAME AND DESCRIPTION	3 0 4	3 0 8	3 1 2	3 1 5	3 2 2	3 2 3	3 2 5	3 3 8	3 4 1	3 5 1	3 5 2	3 5 4
		12.4001 - COMPRESSOR ASSY., AIR (CONT'D)												
		* USE 5145014 AND (1) 5145009 PLUGS AS REQUIRED.												
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
3C	5131939	GASKET		1	2	1			2	1		1	1	
	5117081	GASKET (1.5040)					1				1			1
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
	5130737	BRACKET	1											
	5109981	& BRACKET		1	1			1	1	1				
	5133103	BRACKET, UPPER SUPPORT		1				1		1				
	5133212	BRACKET, UPPER SUPPORT			1									
	5128005	* BRACKET				1								
	5133213	BRACKET, UPPER SUPPORT						1						
	5125659	% BRACKET (5145711)										1		
	5125658	% BRACKET (5145594)											1	
	5145009	PLUG, 1/8" PIPE (12.9550)	1											
	5157412	SPACER, 7/8" O.D. X 13/32" I.D. X 1/4" W. (7.4013)	1											
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)		1	1	1		1	1	1				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		3	3	1		3	3	3		5	5	
	9409231	BOLT, 3/8"-16X1 1/2" LOCK (12.9001)		2	2	2		2	2	2				
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)	2											
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		3	2			3	2	3				
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	2											
	5108435	WASHER, 3/8"		2	2	2		2	2	2				
	103341	WASHER, 3/8" (12.9190)		AR	AR			AR	AR	AR				
	103320	LOCKWASHER, 5/16" (12.9200)		1	1	1		1	1	1				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR	AR	AR		AR	AR	
		& NOT SERVICED; USE 5145415 AND INCLUDE (2) 9409239 BOLTS, (2) 5136821 AND (2) 5136906 SHIMS.												
		% NOT SERVICED; USE BRACKET SHOWN IN PARENTHESES PLUS (2) 427564 BOLTS, (1) 5157244 BOLT, (2) 103322 LOCKWASHERS.												
		* OBSOLETE												
		12.4015 - PULLEY, AIR COMPRESSOR												
3B	5162966	PULLEY (6.25" DIA., 2 GROOVES)		1	1			1	1	1				
3B	5127110	PULLEY (6" DIA., 2 GROOVES)				1								
3B	5130964	PULLEY (6.24" DIA., 2 GROOVES)										1	1	

12.4000A AIR COMPRESSOR

TYPES

FIG	PART NUMBER	NAME AND DESCRIPTION	3 0 4	3 0 8	3 1 2	3 1 5	3 2 2	3 2 3	3 2 5	3 3 8	3 4 1	3 5 1	3 5 2	3 5 4
		12.4015 - PULLEY, AIR COMPRESSOR (CONT'D)												
	103385	PIN, 1/8"x1" COTTER (12.9250)		1	1	1		1	1	1		1		
		12.4037 - PLATE, AIR COMP. DRIVE												
3C	5170450	PLATE (1.7630)					1				1			1
	5122922	RETAINER (1.7207)												2
	5122923	STUD, 3/8"-24 X 1 1/2" (1.7633)					4				4			
3C	5146092	BOLT, 3/8"-24X1.20", SELF LOCKING (12.5015)					4				4			
3C	5145091	BOLT, 3/8"-24X1.38", SELF LOCKING (12.5015)												4
		12.4040 - HUB, AIR COMPRESSOR												
3C	5144866	HUB					1				1			1
		12.4050 - COUPLING, AIR COMP. DRIVE												
3C	5141773	COUPLING					1				1			1
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
3C	5143849	TUBE ASSY. (DEV. L. 21.62")											1	
3C	5109991	TUBE ASSY. (DEV. L. 32.24")					1							
3C	2328626	HOSE ASSY. (1/4" I.D. X 16 1/2" L.)									1			
3C	2331112	HOSE ASSY. (1/4" I.D. X 19 1/2" L.) (12.6875)	1											
3C	5131828	HOSE ASSY. (1/4" I.D. X 20" L.)		1	1				1					
3C	5132273	HOSE ASSY. (5/16" I.D. X 18 1/4") (2.5215)						1						
3C	5131604	HOSE ASSY. (3/16" I.D. X 15 21/32" L.)					1			1				
3C	5126693	HOSE ASSY. (3/16" I.D. X 29" L.)												1
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)					1		1	1	1			
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)	1	1	1									
	118753	ELBOW, 1/4" INV. FL. TUBE 90 DEG., 1/8" P.T. (12.9480)	1	1	1				1		1			2
	225810	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)					1							
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)											1	
	5138297	* ELBOW ASM., 5/16" 90 DEG. SEALASTIC.										2	2	
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)						1				2	1	
	442321	CONNECTOR, 1/4" INV. FL. TUBE, 1/8" P.T. (12.9460)					1							

12.4000A AIR COMPRESSOR

PART		TYPES												
..FIG	NUMBER	NAME AND DESCRIPTION	3 0 4	3 0 8	3 1 2	3 1 5	3 2 2	3 2 3	3 2 5	3 3 8	3 4 1	3 5 1	3 5 2	3 5 4
	12.4065	TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)												
	118748	CONNECTOR, 1/4" FL TUBE, 1/8" P.T. (12.9380)		1		1				1				
	442322	CONNECTOR, 5/16" INV. FL TUBE, 1/8" P.T. (12.9460)						1						
	5182120	NIPPLE, 1/8" X .76" PIPE (7.4074)				1				1				
	105406	NIPPLE, 1/8"X1 1/2" PIPE (12.9560)									1			
	9409943	TEE, 1/8" PIPE (7.4586)					1							
	105418	TEE, 1/8" PIPE				1				1	1			
	5145009	PLUG, 1/8" PIPE SQ. HD. (12.9550)				1				2	2			
	5177493	SEAL RING, 5/16" TUBE SEALASTIC (12.9435)										2	2	
		+ OBSOLETE.												
		* INCLUDES SEAL RING IN 12.4065.												
	12.4070	TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
3C	5135293	* HOSE, 5/8" I.D. X 11 1/2" L (2.5040)	1		1	1		1	1					
3C	5135293	* HOSE, 5/8" I.D. X 10" L (2.5040)		1						1		1	1	
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)				1				1				
	137894	ELBOW, 1/2" STREET 45 DEG. (12.9590)								1				
	9402801	ELBOW, 5/8" PIPE 45 DEG. (12.9600)				1				1				
	109429	ELBOW, 5/8" FL TUBE 90 DEG. (12.9390)	1	1	1			1	1			1	1	
	5113215	FITTING, 5/8" HOSE X 1/2" EXT. PIPE (12.6692)	1	1	1	1		1	1	1		1	1	
	5113192	FITTING, 5/8" HOSE X 5/8" FL TUBE SWIVEL (12.6689)	1	1	1	1		1	1	1		1	1	
	144034	BUSHING, 3/4" X 1/2" RED. (12.9570) * STD. LENGTH HOSE; CUT TO LENGTH SHOWN.	AR			AR		AR				AR		
	12.4080	CLIP, AIR COMPRESSOR LUBE OIL TUBE												
	5157372	CLIP, 1/4" TUBE (3.4433)					1							
	5158509	CLIP, 1/4" TUBE (7.8320)					1							
	5163529	CLIP, 5/16" TUBE (12.3060)										1	1	
	5153473	CLIP, 1/2" TUBE (4.6040)	2											1
	5171509	CLIP, 5/8" TUBE (9.1591)												
	5114551	CABLE, TAG (7.4545)		AR	AR	AR			AR	AR	1			
	5173022	BRACKET, CLIP (5.5379)									1			
	179837	BOLT, 3/8"-16 X 3/4" (12.900)	1											
	103341	WASHER, 3/8" (12.9190)									1			

12.4000A AIR COMPRESSOR

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	304	308	312	315	322	323	325	338	341	351	352	354
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)	1											
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
3C	5129157	* HOSE, 1/2" I.D. X 12 1/2" L. (8.3830)	1						1					
3C	5129157	* HOSE, 1/2" I.D. X 10" L. (8.3830)		1	1	1		1		1				
3C	5129157	* HOSE, 1/2" I.D. X 23" L. (8.3830)					1							
3C	5129157	* HOSE, 1/2" I.D. X 24 1/2" L. (8.3830)												1
3C	5129157	* HOSE, 1/2" I.D. X 30 1/2" L. (8.3830)									1			
3C	5126631	= TUBE (DEV. L. 7.38")										1		
3C	5126630	@ TUBE (DEV. L. 7.38")											1	
	5101260	COVER (TWO TAPPED HOLES, 1/8" AND 3/8") (1.1060)	1											
	5115097	COVER (3/8" TAPPED HOLE) (1.1060)		1	1	1		1	1	1	1	1	1	1
	5130294	ELBOW (1/2" INV. FL. TUBE 45 DEG.) (12.4090)	1				1							
	9402839	ELBOW, 1/2" HYD. FL. TUBE 90 DEG. (12.9391)	1											
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)		1	1	1		1	1	1				
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)									1			2
	5138299	# ELBOW ASM., 1/2" 90 DEG. SEALASTIC, (12.9425)										2	2	
	5120020	FITTING (1/2" HOSE X 1/2" FL. TUBE SWIVEL)	2	1	1	1		1	1	1				
	5121825	FITTING (1/2" HOSE X 3/8" EXT. PIPE) (12.4090)		1	1	1		1	1	1	1			
	5173854	FITTING (1/2" HOSE X 3/4" P.T.) (12.3050)									1			2
	114981	DRAINCOCK, 1/8" (12.9510)		1	1	1	1	1	1	1				
	118536	DRAINCOCK, 3/8" (12.9510)									1			
	119932	BUSHING, 3/8" X 1/8" RED. (12.9570)		1	1	1	1	1	1	1				
	444136	TEE, 3/8"-18 PIPE (12.9616)		1	1	1	1	1	1	1				
	444122	TEE, 3/8"-18 PIPE (12.9616)									1			
	5145009	PLUG, 1/8" PIPE (12.9550)	1											
	5176524	SEAL RING, 1/2" SEALASTIC TUBE (12.9435)										2	2	
	121207	NIPPLE, 3/8" X 1" PIPE (12.9560)									1			
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		@ NOT SERVICED; USE 5129157 PLUS 2-5120020 AND 118757.												
		# INCLUDES SEAL RING IN 12.4085.												
		= NOT SERVICED; USE 5129157 PLUS 2-5120020 AND 2-9432248.												

12.4000A AIR COMPRESSOR

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	3 0 4	3 0 8	3 1 2	3 1 5	3 2 2	3 2 3	3 2 5	3 3 8	3 4 1	3 5 1	3 5 2	3 5 4
12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET														
5130848		TUBE (DEV. L 15.20")	1											
5129157	*	HOSE, 1/2" I.D. X 7 1/2" L (8.3830)		1		1		1		1				
5129157	*	HOSE, 1/2" I.D. X 6 1/2" L (8.3830)			1				1		1			
5129157	*	HOSE, 1/2" I.D. X 12 1/2" L (8.3830)					1							
5129157	*	HOSE, 1/2" I.D. X 10" L (8.3830)										1		
5131285	+	TUBE, DEV. L 14.30"											1	
5129157	*	HOSE, 1/2" I.D. X 30 1/2" L (8.3830)												1
5123352		COVER, 3/8" TAPPED HOLE (1.2043)					1				1			
444042		ELBOW, 3/8" STREET 90 DEG. (12.9590)		1	1			1	1					
444056		ELBOW, 3/8" STREET 45 DEG. (12.9590)				1								
5138299	@	ELBOW ASM., 1/2" 90 DEG. SEALASTIC, 3/8" P.T. (12.9425)	1										1	
137425		ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)												
118757		ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)		1		1		1						1
2325715		ELBOW, 1/2"-90 DEG. (3.5505)		2	2	2			2			2		
5121825		FITTING, 1/2" HOSE X 3/8" EXT. PIPE		1	1	1	1	1	1		1	1		
5120020		FITTING, 1/2" HOSE X 1/2" FL. TUBE SWIVEL (12.4085)			2		2		2		2	2		
5173854		FITTING, 1/2" HOSE X 3/4" P.T. (12.3050)		1		1		1						2
5138306		CONNECTOR, 1/2" TUBE SEALASTIC (12.9415)	1										1	
5120998		CONNECTOR, HOSE (1/2" HOSE X 3/8" P.T. 90 DEG.) (1.1100)								2				
118752		CONNECTOR, 1/2" FL. TUBE (12.9380)									1			
142269		BUSHING, 1/2" X 3/8" RED. (12.9570)		1	1	1		1	1	1				1
5145014		PLUG, 3/8" PIPE (12.9550)									1			
5176524		SEAL RING, 1/2" TUBE SEALASTIC (12.9435)	2											
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
	@	INCLUDES SEAL RING IN 12.4090.												
	-	NOT SERVICED, USE 5129157, 2-5120020, 1-118757, 1-118752.												
12.4095 - CLIP, AIR COMPRESSOR WATER TUBE														
5151189		CLIP, 3/4" TUBE (4.8040)												3
5111079		SUPPORT, CLIP (4.8042)												1
186625		BOLT, 5/16"-18X7/8" (12.9001)												1

DETROIT DIESEL

53 MPC ENGINES

12.4000A AIR COMPRESSOR

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	3 0 4	3 0 8	3 1 2	3 1 5	3 2 2	3 2 3	3 2 5	3 3 8	3 4 1	3 5 1	3 5 2	3 5 4
	12.4095	CLIP, AIR COMPRESSOR WATER TUBE (CONT'D)												
	179835	BOLT, 3/8"-16X5/8" (12.9001)												1
	103320	LOCKWASHER, 5/16" (12.9200)												1
	103321	LOCKWASHER, 3/8" (12.9200)												1
	120376	NUT, 5/16"-18 (12.9120)												1
	12.4097	CLIP, AIR COMPRESSOR WATER TUBE HOSE												
3C	9139801	CLIP, 5/8"-1" DIA. HOSE (12.9660)								2				
	12.4300	STRAINER, AIR COMPRESSOR												
3C	5110411	STRAINER ASSY.		1	1				1				1	
3C	5110410	GASKET		1	1	1			1	1		1	1	
3C	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		2	2				2			2	2	
3C	103320	LOCKWASHER, 5/16" (12.9200)		2	2				2					

12.4000A AIR COMPRESSOR

PART			TYPES										
..FIG ..	NUMBER ..	NAME AND DESCRIPTION ..	3 6 1	3 6 6	3 6 8	3 7 1	3 7 2	3 7 3	3 7 6	3 7 9	3 8 0	3 8 3	3 9 0
12.4001 - COMPRESSOR ASSY., AIR													
COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTINGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.													
3B	NPN 5118886	* COMPRESSOR (CUSTOMER FURNISHED)		1								1	
		* COMPRESSOR ASSY. (12 CFM) (B.W. 228321)			1	1							
3B	5102067	@ = COMPRESSOR ASSY. (12 CFM) (B.W. 285923)			1	1							
3C	5144302	= COMPRESSOR ASSY. (12 CFM) (B.W. 282389)									1		1
3B	5131511	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 277056)					1						
3B	5145614	+ = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283368) (5106138-M.R. #N5309A)					1						
	5131515	* COMPRESSOR ASSY. (12 CFM) (B.W. 276961)								1			
3B	5131512	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 277055)						1					
	5145615	+ = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283371) (5106137-M.R. #N5309)						1					
3C	5144300	+ = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 282383) (5106140-M.R. #N55048)	1										
	2428600	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 276169)	1										
3C	5133888	COMPRESSOR ASSY. (12 CFM) (B.W. 275231)							1				
3C	5133913	COMPRESSOR ASSY. (12 CFM) (B.W. 278681)								1			
3C	5109672	* COMPRESSOR ASSY. (12 CFM) (B.W. 276167)											1
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)				1							
	118536	DRAINCOCK, 3/8" (12.9510)	1			1				1			
	5145014	PLUG, 3/8" PIPE SKT. HD. (12.9550)				1					1		
	103375	PIN, 3/32"x1 1/4" COTTER (12.9250)	1						1	1	1		1
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)			4		4	4					
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)		4		4							
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	4						4	4	4		4
	103322	LOCKWASHER, 7/16" (12.9200)		4	4	4	4	4					
	103323	LOCKWASHER, 1/2" (12.9200)	4						4	4	4		4
	456939	NUT, 7/16"-20 (12.9120)			4		4						
* THRU 6D-3027. NOT SERVICED; USE SECOND COMPRESSOR ASSY. SHOWN IN SAME TYPE.													
@ EFFECTIVE WITH 6D-3028.													
+ NOT SERVICED; FOR COMPLETE REPLACEMENT USE DDA PART NUMBER SHOWN IN PARENTHESES.													
= USE 5145014 AND (1) 5145009 PLUGS AS REQUIRED.													
12.4005 - GASKET, AIR COMPRESSOR MOUNTING													
3C	5131939	GASKET			1	1	1	1					
	5104506	GASKET (1.5040)	1						1	1	1		1

12.4000A AIR COMPRESSOR

PART			TYPES										
FIG	NUMBER	NAME AND DESCRIPTION	3 6 1	3 6 6	3 6 8	3 7 1	3 7 2	3 7 3	3 7 6	3 7 9	3 8 0	3 8 3	3 9 0
12.4010 - BRACKET, AIR COMPRESSOR MOUNTING													
	5145415	BRACKET		1		1						1	
	5133103	BRACKET, UPPER SUPPORT		1		1						1	
	5145711	BRACKET						1					
	5145594	BRACKET			1		1						
	5136821	SHIMS, .002" THICK (7.1595)		2		2						2	
	5136906	SHIMS, .005" THICK (7.1595)		2		2						2	
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)		1		1							
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		3	2	3	2	2					
	9409239	BOLT, 3/8"-16 X 1 3/4" (12.9001)		2		2						2	
	9409231	BOLT, 3/8"-16X1 1/2" LOCK (12.9001)		2		2							
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		3		3						3	
	427564	BOLT, 7/16"-14 X 1 3/8" (12.9001)			2		2	2					
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)			1		1	1					
	5108438	WASHER, 3/8"		2		2							
	103341	WASHER, 3/8" (12.9190)		AR		AR						AR	
	103320	LOCKWASHER, 5/16" (12.9200)		1		1							
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR	AR	AR					
	103322	LOCKWASHER, 7/16" (12.9200)			2		2	2					
12.4015 - PULLEY, AIR COMPRESSOR													
3B	5162966	PULLEY (6.25" DIA., 2 GROOVES)		1		1						1	
3B	5130964	PULLEY (6.24" DIA., 2 GROOVES)			1		1	1					
	103385	PIN, 1/8"X1" COTTER (12.9250)		1	1	1	1	1					
12.4037 - PLATE, AIR COMP. DRIVE													
3C	5170450	PLATE (1.7630)	1						1	1	1		1
	5122922	RETAINER (1.7207)	2										
3C	5145091	BOLT, 3/8"-24X1.38", SELF LOCKING (12.5015)							4		4		
3C	5145092	BOLT, 3/8"-24X1.20", SELF LOCKING (12.5015)								4			4
	5145091	BOLT, 3/8"-24X1.38", SELF LOCKING (12.5015)	3										
	122236	NUT, 3/8"-24 (12.9120)	1										
	9413533	NUT, 3/8"-24 THIN (12.9120)	1										
12.4040 - HUB, AIR COMPRESSOR													
3C	5144866	HUB	1						1	1	1		1
12.4050 - COUPLING, AIR COMP. DRIVE													
3C	5141773	COUPLING	1						1	1	1		1

12.4000A AIR COMPRESSOR

PART FIG NUMBER NAME AND DESCRIPTION			TYPES									
			3 6 1	3 6 8	3 7 1	3 7 2	3 7 3	3 7 6	3 7 9	3 8 0	3 8 3	3 9 0
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY										
3C	5143849	TUBE ASSY. (DEV. L. 21.62')		1		1						
3C	2328626	HOSE ASSY. (1/4" I.D. X 16 1/2" L.)							1			
3C	5131828	HOSE ASSY. (1/4" I.D. X 20" L.)		1					1			
3C	5131604	HOSE ASSY. (3/16" I.D. X 15 21/32" L.)			1							
3C	5126693	HOSE ASSY. (3/16" I.D. X 29" L.)	1									
3C	5135077	HOSE ASSY. (3/16" I.D. X 32" L.)										1
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)			1				1			
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)		1					1			
	118753	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9480)	2	1					2			1
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)			1	1						
	5138297	* ELBOW ASM., 5/16" 90 DEG. SEALASTIC. (12.9425)		2		2	2					
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)		1		1	2					
	118748	CONNECTOR, 1/4" FL. TUBE, 1/8" P.T. (12.9380)	1		1							2
	5111277	FITTING, 1/4" HOSE X 1/4" FL. TUBE SWIVEL (8.1017)	1									
	5189294	FITTING, 1/4" HOSE X 5/16" INV. FL. TUBE SWIVEL (5.7100)	1									
	5182120	NIPPLE, 1/8" X .76" PIPE (7.4074)			1							
	105406	NIPPLE, 1/8" X 1 1/2" PIPE (12.9560)								1		
	105418	TEE, 1/8" PIPE			1					1		
	5100136	ADAPTOR, 1/8" PIPE (12.9570)						1				
	5145009	PLUG, 1/8" PIPE SQ. HD. (12.9550)			2							
	5177493	SEAL RING, 5/16" TUBE SEALASTIC (12.9435)		2		2	2					
		* INCLUDES SEAL RING IN 12.4085.										
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN										
3C	5135293	* HOSE, 5/8" I.D. X 11 1/2" L. (2.5060)				1						
3C	5135293	* HOSE, 5/8" I.D. X 10" L. (2.5060)	1	1	1		1					
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)			1							
	137894	ELBOW, 1/2" STREET 45 DEG. (12.9590)			1							
	9402801	ELBOW, 5/8" PIPE 45 DEG. (12.9600)			1	1						
	109429	ELBOW, 5/8" FL. TUBE 90 DEG., 1/2" P.T. (12.9390)	1	1			1					
	5113215	FITTING, 5/8" HOSE X 1/2" EXT. PIPE (12.6692)	1	1	1	1	1					
	5113192	FITTING, 5/8" HOSE X 5/8" FL. TUBE SWIVEL (12.6689)	1	1	1	1	1					
	144034	BUSHING, 3/4" X 1/2" RED. (12.9470)		AR								
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.										

12.4000A AIR COMPRESSOR

PART		NAME AND DESCRIPTION	TYPES									
FIG	NUMBER		3 6 1	3 6 6	3 6 8	3 7 1	3 7 2	3 7 3	3 7 6	3 7 9	3 8 0	3 8 3
12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
	5163529	CLIP, 5/16" TUBE (12.3080)			1		1	1				
	5153473	CLIP, 1/2" TUBE (4.6040)	1	AR		AR						
	5114551	CABLE TAG (7.4545)										
12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
3C	5129157	* HOSE, 1/2" I.D. X 10" L. (8.3830)		1		1						
3C	5129157	* HOSE, 1/2" I.D. X 23" L. (8.3830)								1		
3C	5126631	= TUBE, DEV. L. 7.38"						1				
3C	5126630	@ TUBE, DEV. L. 7.38"					1					
3C	5129157	* HOSE, 1/2" I.D. X 36 1/2" L. (8.3830)	1									
3C	5133776	# HOSE, 1/2" I.D. X 14" L.			1							
3C	5125902	HOSE ASSY. (1/2" I.D. X 16" L.) (2.5100)			1							
3C	5129157	* HOSE, 1/2" I.D. X 30 1/2" L. (8.3830)							1			1
	5115097	COVER (3/8" TAPPED HOLE) (1.1060)	1	1	1	1	1	1	1	1	1	
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)										
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)		1	1	1						1
	5138299	% ELBOW ASM., 1/2" 90 DEG. SEALASTIC (12.9425)	1							1	1	
	143340	ELBOW, 1/2" INV. FL. TUBE 45 DEG. (12.9480)	1				2	2				
	444056	ELBOW, 3/8" STREET 45 DEG. (12.9590)			1							1
	5120020	FITTING, 1/2" HOSE X 1/2" FL. TUBE SWIVEL (12.4085)		1	1	1	2					1
	5121825	FITTING, 1/2" HOSE X 3/8" EXT. PIPE (12.4090)		1	1	1	1		1	1		1
	5173854	FITTING, 1/2" HOSE X 3/4" P.T. (12.3050)	2						1	1		
	114981	DRAINCOCK, 1/8" (12.9510)				1					1	
	118536	DRAINCOCK, 3/8" (12.9510)							1	1		
	119932	BUSHING, 3/8" X 1/8" RED. (12.9570)		1		1					1	
	142269	BUSHING, 1/2" X 3/8" RED. (12.9570)										1
	444136	TEE, 3/8"-18 PIPE (12.9616)		1		1			1		1	
	444122	TEE, 3/8"-18 PIPE (12.9616)								1		
	5145014	PLUG, 3/8" PIPE (12.9550)									1	
	5183256	PLUG, 1 1/4" O.D. X 3/8" PIPE TAP (1.1001)										1
	5176524	SEAL RING, 1/2" SEALASTIC TUBE (12.9435)					2	2				

12.4000A AIR COMPRESSOR

PART		TYPES															
FIG	NUMBER	NAME AND DESCRIPTION															
		3 6 1	3 6 6	3 6 8	3 7 1	3 7 2	3 7 3	3 7 6	3 7 9	3 8 0	3 8 3	3 9 0					
12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)																	
121207	NIPPLE, 3/8"x1" PIPE (12.9560)									1							
	* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.																
	@ NOT SERVICED; USE 5129157, (2) 5120020 AND (2) 118757.																
	# NOT SERVICED; USE 5125902 HOSE ASSY. WHICH INCLUDES INTEGRAL FITTINGS.																
	% INCLUDES SEAL RING IN (12.0485) PLUS NUT NOT SOLD SEPARATELY																
	= NOT SERVICED; USE 5129157, 2-5120020, 1-187322.																
12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET																	
5129157	* HOSE, 1/2" I.D. X 7 1/2" L. (8.3830)		1		1												
5131285	+ TUBE (DEV. L. 14.30")					1	1										
5129157	* HOSE, 1/2" I.D. X 30 1/2" L. (8.3830)												1				
5129157	* HOSE, 1/2" I.D. X 38" L. (8.3830)	1															
5127067	+ TUBE (DEV. L. 13.40")			1													
5129157	* HOSE, 1/2" I.D. X 16 7/8" (8.3830)								1								
5129157	* HOSE, 1/2" I.D. X 19" L. (8.3830)									1							
444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)		1														
5138299	ELBOW, 1/2" TUBE 90 DEG. SEALASTIC, 3/8" P.T. (12.9425)			1		1	1										
137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)	1	1							1	1						
118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)															1	
143340	ELBOW, 1/2" INV. FL. TUBE 45 DEG. (12.9480)	1															
5138292	+ ELBOW ASM., 1/2" 45 DEG. SEALASTIC (12.9425)			1													
5121825	FITTING (1/2" HOSE X 3/8" EXT. PIPE)		1							1	1					1	
5120020	FITTING (1/2" HOSE X 1/2" FL. TUBE SWIVEL) (12.4085)															2	
5173854	FITTING, 1/2" HOSE X 3/4" P.T. (12.3050)	2	1							1	1						
5138306	CONNECTOR, 1/2" TUBE SEALASTIC (12.9415)																
5120998	CONNECTOR, HOSE (1/2" HOSE X 3/8" P.T. 90 DEG.) (1.1100)					1	1										
142289	BUSHING, 1/2"x3/8" RED. (12.9570)	1	1		2												
5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)			2													
118536	DRAINCOCK, 3/8" (12.9510)															1	
444136	TEE, 3/8"-18 PIPE (12.9616)															1	