

7.8000A AIR HEATER

..FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES									
			1 9 3	1 9 4								
		7.8203 - BRACKET, AIR HEATER PUMP AND VALVE										
	5132519	BRACKET (VALVE)	1	1								
	5145223	CUSHION, MOUNTING	2	2								
	5102568	CLAMP	2									
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)	2									
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		2								
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2									
	103341	WASHER, 3/8" (12.9190)	4	2								
	103321	LOCKWASHER, 3/8" (12.9200)	2									
		7.8280 - VALVE, AIR HEATER PUMP-OUTLET										
	5145461	VALVE (CHECK OIL RELIEF)	1	1								
		7.8295 - VALVE ASSY., AIR HEATER PUMP SUPPLY SHUTOFF										
	5132525	VALVE, SOLENOID (24V.)	1	1								
	132911	SCREW, #10-32X5/8" (12.9025)	2	2								
	120217	LOCKWASHER, #10 (12.9200)	2	2								
		7.8300 - TUBE, AIR HEATER PUMP INLET										
	5113689	* HOSE, #6X20" L. (7.4699)		1								
	105417	TEE, 1/4" PIPE (12.9616)		1								
	5113214	FITTING, 1/4"-18 HOSE (12.6689)		1								
	5114049	FITTING, 5/8"-18 (2.5010)		1								
	105405	NIPPLE, 1/4"X7/8" (12.9560)		1								
	8924153	ELBOW, 5/16" INV. FL. TUBE (1/8" P.T.) (12.9480)		1								
	8924161	ELBOW, 45 DEG. 3/8" INV. FL. TUBE (12.9480)		1								
	5189294	FITTING, 1/2"-20 HOSE (SPECIAL) (5.7100)		1								
		* STD. LENGTH HOSE CUT TO LENGTH SHOWN.										
		7.8310 - TUBE, AIR HEATER INLET										
	5145565	TUBE ASSY. (HEATER TO VALVE) (7.8300)	1	1								
	5145666	HOSE (PUMP TO VALVE) (2" L.)	1	1								
	5129867	* HOSE (CHECK VALVE TO HEATER) (28" L.) (7.4075)	1	1								
	5147883	HOSE, #5X52" L. (7.8300)	1	1								
	5147858	FITTING, SPECIAL	1	1								
	8925032	ELBOW, 1/4" INV. FL. TUBE (12.9480)	2	2								
	8924153	ELBOW, 5/16" INV. FL. TUBE (12.9480)	3	2								
	5100136	ADAPTOR, 1/8" PIPE (12.9570)	2	2								
	5189294	FITTING, 1/2"-20 HOSE (SPECIAL) (5.7100)	2	1								
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.										

. TYPES

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7.8000A AIR HEATER

PART ..FIG .. NUMBER		NAME AND DESCRIPTION												COLUMN											
														A	B	C									
		7.8001 - HEATER ASSY., AIR																							
5109495		HEATER ASSY.												1											
5146015		HEATER ASSY.													1										
5144367		HEATER ASSY.														1									
		7.8010 - PLUG, AIR HEATER																							
8924380		PLUG, 1/8" (12.9550)													1										
9421741		PLUG, 1/4" CUP (12.9320)														1									
9421740		PLUG, 3/16" CUP (12.9320)														1									
5142302		PLUG, RESTRICTION (7.4596)														1									
456655		PLUG, 1/4" INV. FLD. TUBE (12.9465)												1											
		7.8030 - BODY, AIR HEATER																							
5139563		BODY													1										
5109674		BODY ASSY. (INCLUDES ELECTRODE)												1											
5144325		BODY ASSY. (INCLUDES ELECTRODE)														1									
5228369		CAP, FILTER ELEMENT (2.1130)												1											
5228373		ELEMENT, FILTER (2.1110)												1											
		7.8050 - NOZZLE, AIR HEATER SPRAY																							
5232195		NOZZLE												1											
5232519		NOZZLE													1										
5232650		NOZZLE														1									
5108353		GASKET												1											
		7.8120 - ELECTRODE, AIR HEATER																							
5613086		ELECTRODE (PKG.) (7.8130)													1										
5611416	#	ELECTRODE														1									
	#	PRIOR TO 8D-3319, TYPE 172.																							
		7.8130 - INSULATOR, AIR HEATER																							
5613134		INSULATOR ASSY.												1											
		7.8140 - GASKET, AIR HEATER INSULATOR																							
5122839		GASKET (COPPER)												2											
		7.8150 - NUT, AIR HEATER INSULATOR																							
5133485		NUT, 5/8"-18												1											

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 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

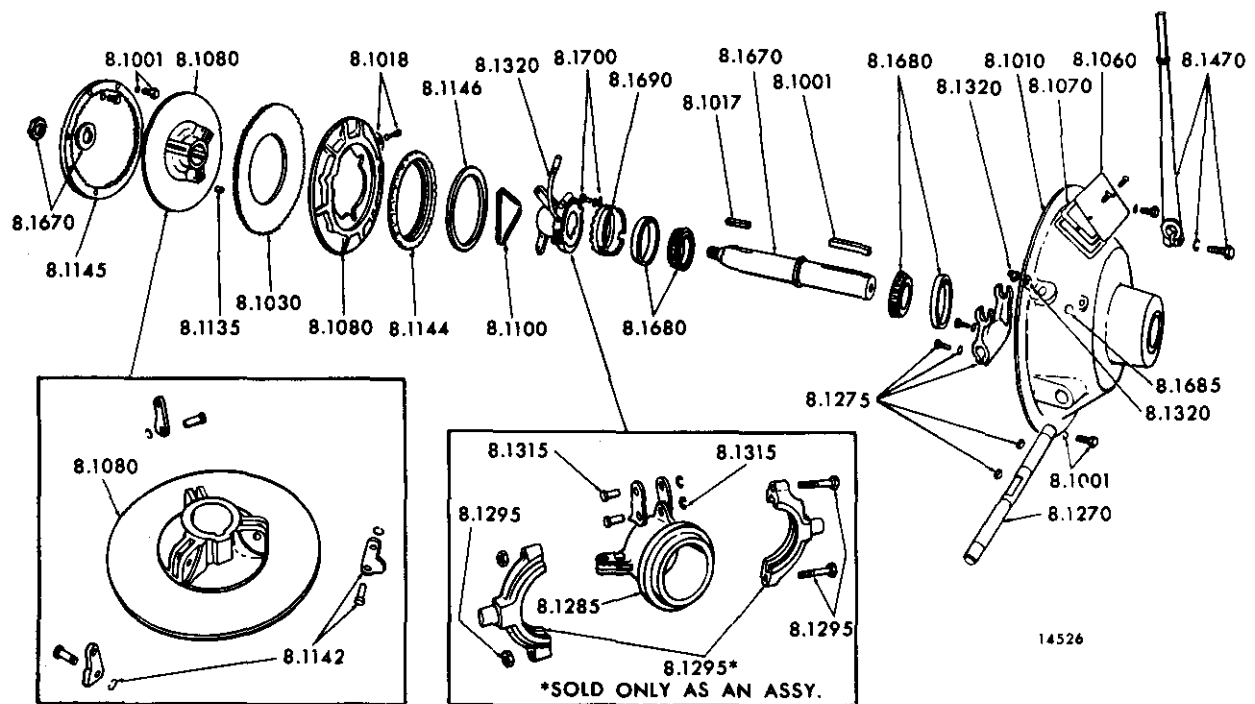


FIG. 1A POWER TAKE-OFF

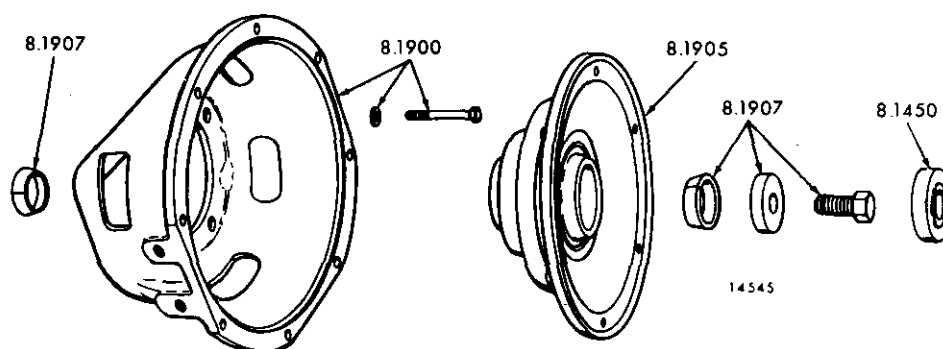
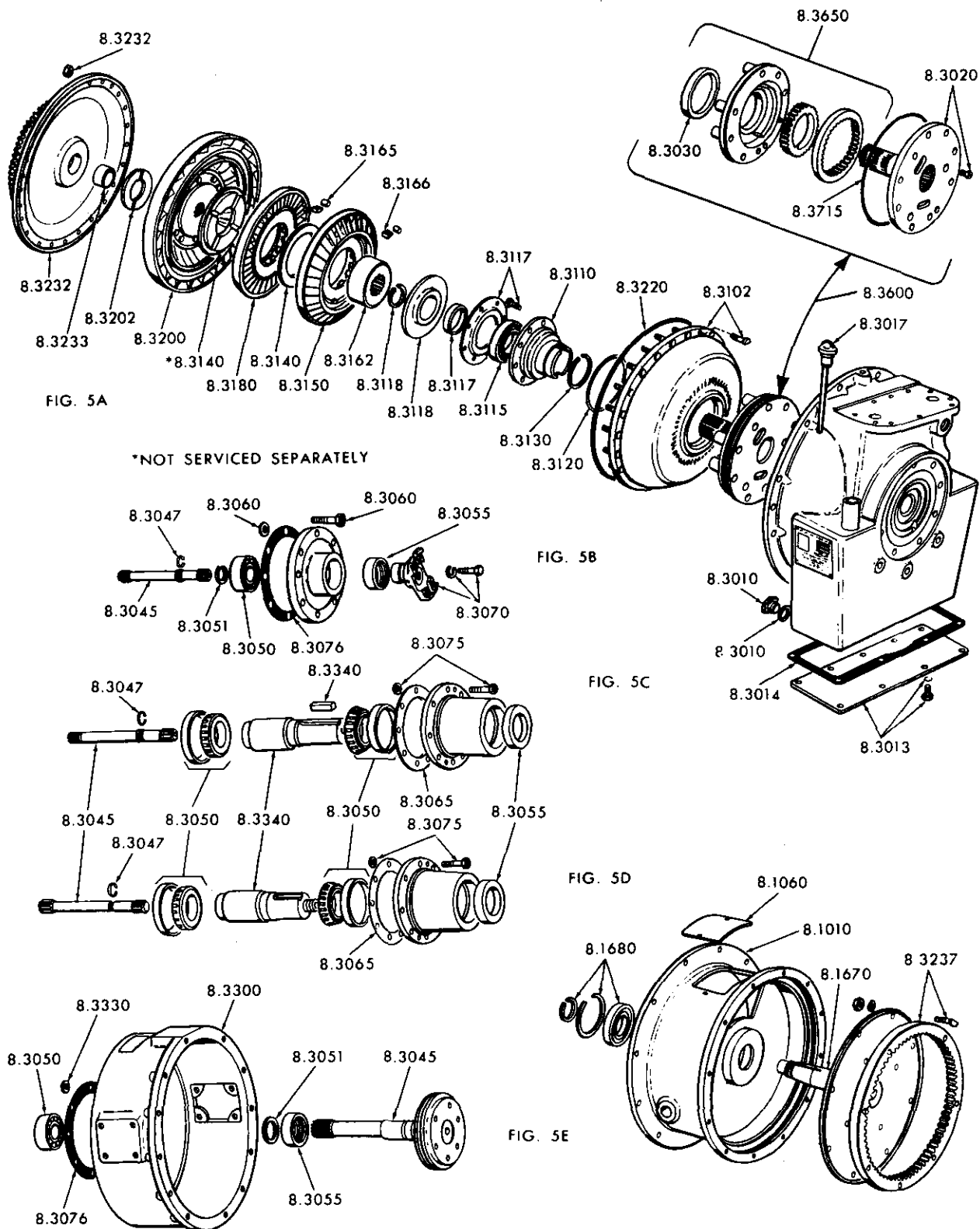


FIG. 1B FRONT POWER TAKE-OFF ADAPTOR

Figs. 1A & 1B of 8.0000

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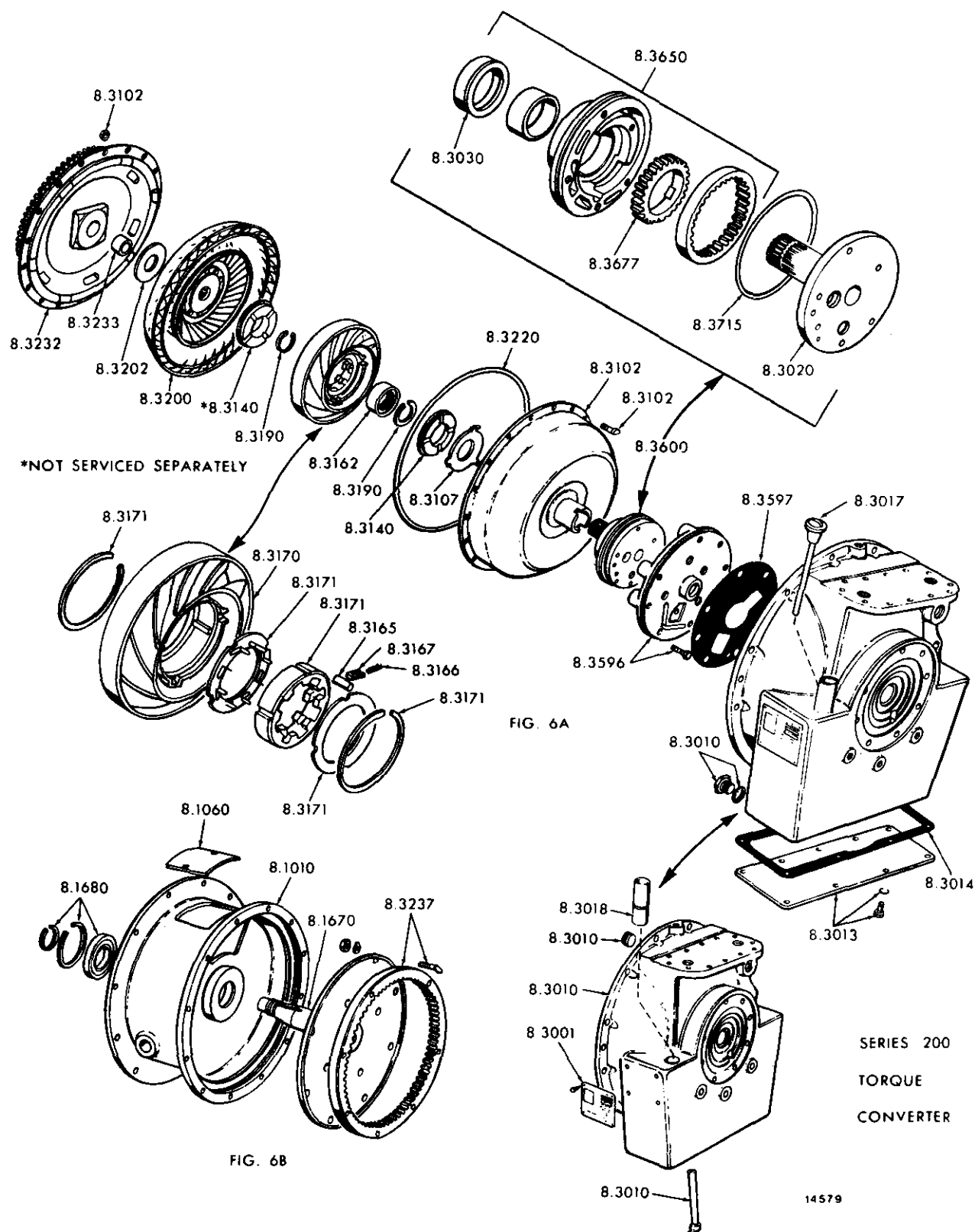


SERIES 300 TORQUE CONVERTER AND SHAFTS

Figs. 5A, 5B, 5C, 5D & 5E of 8.0000

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SERIES 200 TORQUE CONVERTER

Figs. 6A & 6B of 8.0000

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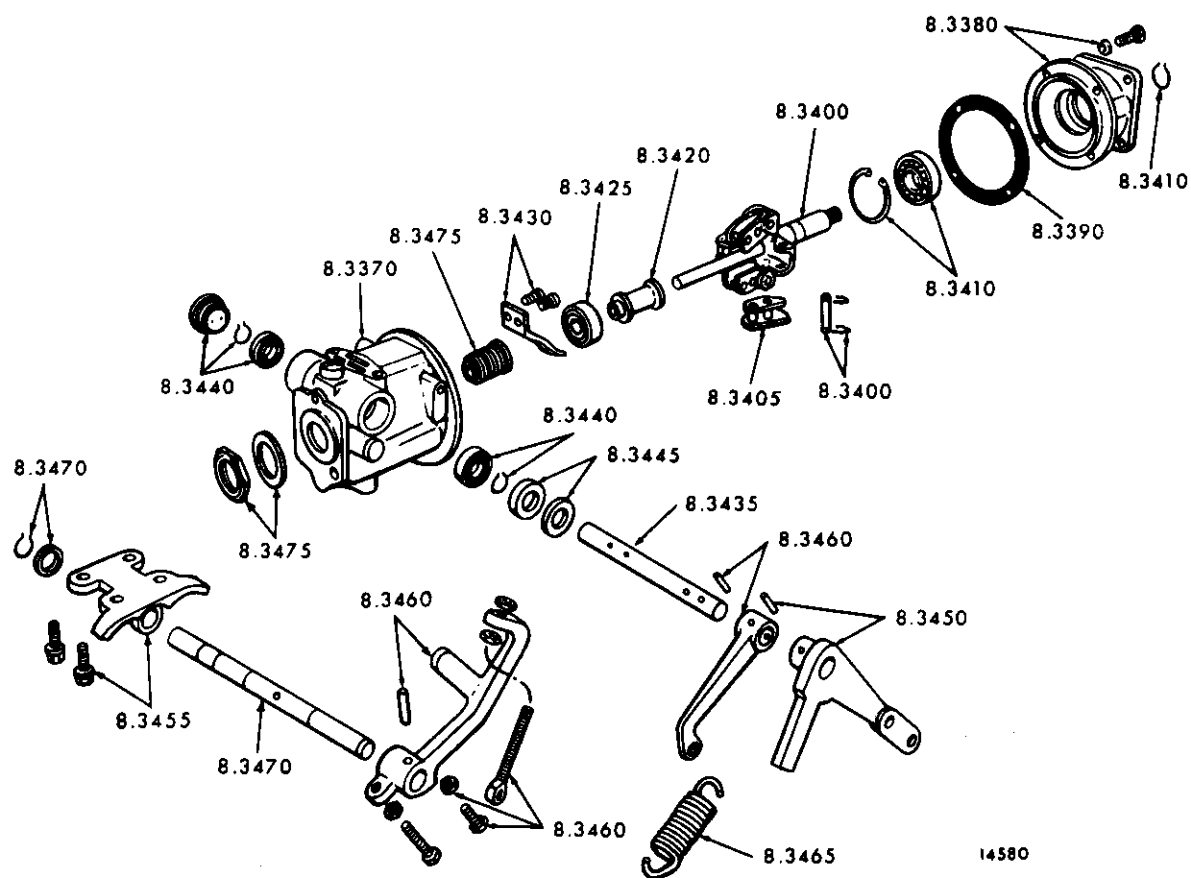


FIG. 7A TORQUE CONVERTER OUTPUT SHAFT GOVERNOR

Fig. 7A of 8.0000

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	1 8 0	1 8 1	1 8 7	2 0 4	2 0 8	2 1 4	2 2 0	2 2 1	2 2 8	2 3 0	2 5 5	2 7 0	2 7 1
8.1001 - POWER TAKE-OFF ASSY.															
INCLUDES KEY IN 8.1001 AND ITEMS IN 8.1010 THRU 8.1700 EXCEPT 8.1450.															
NPN POWER TAKE-OFF ASSY. (CUSTOMER FURNISHED)															
	5116493	% POWER TAKE-OFF ASSY. (SAE #4)	1			1		1	1		1		1	1	1
	5147643	% POWER TAKE-OFF ASSY. (SAE #4)	1												
	5119174	@ POWER TAKE-OFF ASSY. (SAE #5)		1											
	5132205	& POWER TAKE-OFF ASSY. (SAE #5)		1								1			
	5124846	= POWER TAKE-OFF ASSY. (SAE #4) (PTA-465-X1)			1										
	5127242	POWER TAKE-OFF ASSY. (SAE #3)					1								
	5128701	POWER TAKE-OFF ASSY. (SAE #2)								1					
1A	5196448	KEY (1/2" SQ. X 4 7/8"L)		1								1			
1A	5192162	KEY (5/8" SQ. X 4 1/4"L)	1												
1A	5192156	KEY (5/8" SQ. X 5 1/4"L)								1					
1A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	12				12								
1A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			12					12					
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)										8			
1A	103321	LOCKWASHER, 3/8" (12.9200)	AR	8	AR		AR			AR		8			
	102636	NUT, 3/8"-16 (12.9120)		8	8							8			
% NOT SERVICED. COMPONENTS ARE AVAIL. FOR COMPLETE REPLACEMENT USE SECOND ASSY. SHOWN IN SAME TYPE.															
@ THRU 3D-8736, 4D-11276.															
& EFF. WITH 3D-8737, 4D-11277.															
= NOT SERVICED. COMPONENTS ARE AVAIL. FOR COMPLETE REPLACEMENT CONTACT ROCKFORD CLUTCH DIV. OF BORG-WARNER CORP., FURNISHING THEIR ASSY. NUMBER WHICH APPEARS IN PARENTHESES.															
8.1010 - HOUSING, CLUTCH															
NPN HOUSING (CUSTOMER FURNISHED)															
	5198460	HOUSING (SAE #4)	1											1	1
1A	5198868	HOUSING (SAE #5)		1								1			
1A	5196586	HOUSING (SAE #4)			1										
	5125651	HOUSING (AUTOMOTIVE)				1					1				
1A	5197244	HOUSING (SAE #3)					1								
	6756627	HOUSING (SAE #3)						1					1		
	5124383	HOUSING (AUTOMOTIVE)							1						
1A	5196454	HOUSING (SAE #2)								1					
	5125650	PAN, CLUTCH HOUSING				1					1				
	5100009	PAN, CLUTCH HOUSING							1						
	5120494	STUD, 3/8"-16X1.95"				3						3			
	5150362	STUD, 3/8"-16X1 5/8" (5.2020)													
	179812	BOLT, 5/16"-18X1/2" (12.9001)				4			3		4				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						12							
	455537	BOLT, 3/8"-16X4" (12.9001)				6			6		6				

8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART
FIG ... NUMBER NAME AND DESCRIPTION

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION													
		1 8 0	1 8 1	1 8 7	2 0 4	2 0 8	2 1 4	2 2 0	2 2 1	2 2 8	2 3 0	2 5 5	2 7 0	2 7 1	
	8.1010 - HOUSING, CLUTCH (CONT'D)														
	103320 LOCKWASHER, 5/16" (12.9200)				4			4		4					
	103321 LOCKWASHER, 3/8" (12.9200)				9		AR	AR		9					
	117049 NUT, 3/8"-24 (12.9120)				3			3		3					
	+ PART OF TORQUE CONVERTER ASSY. 8.3000A TYPE 359.														
	8.1017 - CLUTCH ASSY.														
	A CLUTCH ASSY. INCLUDES ITEMS IN 8.1030, 8.1080, 8.1100, 8.1135, 8.1142, 8.1144, 8.1145, 8.1285, 8.1295 AND 8.1315.														
	NPN CLUTCH ASSY. (CUSTOMER FURNISHED)				1					1				1	
	5196457 CLUTCH ASSY. (10" CLUTCH)	1													
	5197886 CLUTCH ASSY. (8" CLUTCH)		1								1				
	5196591 CLUTCH ASSY. (6 1/2" CLUTCH)			1											
	5197243 CLUTCH ASSY. (11 1/2" CLUTCH)					1									
	5194365 CLUTCH ASSY. (10" CLUTCH)						1					1	1		
	5196452 CLUTCH ASSY. (11 1/2" CLUTCH)								1						
1A	5196449 KEY (1/4" SQ. X 1 3/4"L.)		1	1							1				
1A	5192489 KEY (1/4" SQ. X 2"L.)						1					1	1		
1A	5193449 KEY (3/8"X1/2"X1 7/8"L.)	1													
1A	6769080 KEY (3/8" SQ. X 2 1/2"L.)					1									
1A	5197229 KEY (1/2" SQ. X 3 1/4"L.)								1						
	8.1018 - RING, CLUTCH DRIVING														
1A	5196740 RING (6 1/2")			1											
1A	5192358 RING (8")		1								1				
1A	5192180 RING (10")	1					1					1	1		
1A	5192163 RING (11 1/2") (7/8" WIDE)					1									
1A	5194954 RING (11 1/2") (1 7/8" WIDE)								1						
	186624 BOLT, 5/16"-18X1 1/2" (12.9001)			8											
	186619 BOLT, 3/8"-16X1 1/8" (12.9001)		6												
	9409231 BOLT, 3/8"-16X1 1/2" LOCK (TO FLYWHEEL) (12.9001)					8	8					8	8		
	186628 BOLT, 3/8"-16X1 1/2" (12.9001)	8													
	179850 BOLT, 3/8"-16X2 3/4" (TO FLYWHEEL) (12.9001)								8						
	103320 LOCKWASHER, 5/16" (12.9200)			8											
	103321 LOCKWASHER, 3/8" (12.9200)	AR	AR							AR					
	8.1020 - PLATE, CLUTCH DRIVEN														
	3862220 @ PLATE, CLUTCH DRIVEN										1				
	@ PROCURE FROM CHEVROLET.														

8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	180	181	187	204	208	214	220	221	228	230	255	270	271
8.1030 - FACING, CLUTCH															
1A	5192182	FACING (3 SEGMENTS)	1					1					1	1	
1A	5193428	# FACING (3 SEGMENTS)		1											
1A	5197890	FACING (SINGLE PLATE)		1								1			
1A	5196593	FACING (3 SEGMENTS)			1										
1A	5197884	FACING (SINGLE PLATE)					1			2					
		# NOT SERVICED, FOR REPLACEMENT USE 5197890.													
8.1060 - COVER, CLUTCH HOUSING INSPECTION HOLE															
1A	5199882	COVER	1	1	1					1		1			
	3835200	* COVER				1									
1A	5191302	COVER					1								
	6756618	COVER						1							
1A	113954	SCREW, 1/4"-20X3/8" RD. HD. SL. (12.9001)			2	2						2			
	120628	* SCREW, 1/4"-20X1/2" RD. HD. SL. (12.9001)					2	2							
	9421917	SCREW AND LOCKWASHER ASSY. (12.9025)							2						
		* EARLY UNITS.													
8.1070 - GASKET, CLUTCH HOUSING INSPECTION HOLE COVER															
1A	5192415	GASKET	1	1	1					1		1			
1A	5191303	GASKET					1								
8.1080 - PLATE, CLUTCH PRESSURE															
1A	5194143	PLATE (OUTER)	1												
1A	5194294	PLATE (INNER) (INCLUDES LOCK)	1					1					1	1	
1A	5196451	* PLATE (OUTER)		1								1			
1A	5193415	PLATE (INNER)		1											
1A	5196592	PLATE (OUTER)			1										
1A	5196594	PLATE (INNER)			1										
1A	5197248	PLATE (OUTER)					1								
1A	5197250	PLATE (INNER)					1								
1A	5193258	PLATE (OUTER)						1					1	1	
1A	5194290	PLATE (INNER)													
1A	5194951	PLATE (CENTER)								1					
1A	5197112	PLATE (OUTER)								1					
	3758681	@ PLATE ASSY.													
	838653	BOLT, 3/8"-16X1"									1				
	103321	LOCKWASHER, 3/8" (12.9200)									6				
		* USE WITH 3 SPRING DESIGN CLUTCH ONLY.													

8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART			TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	1 8 0	1 8 1	1 8 7	2 0 4	2 0 8	2 1 4	2 2 0	2 2 1	2 2 8	2 3 0	2 5 5	2 7 0	2 7 1
		8.1080 - PLATE, CLUTCH PRESSURE (CONT'D)													
		@ PROCURE FROM CHEVROLET.													
		8.1100 - SPRING, CLUTCH TOGGLE LEVER													
1A	5194138	SPRING	1					1		1			1	1	
1A	5194139	SPRING		1								1			
1A	5196599	SPRING			1										
1A	5191308	SPRING					1								
		8.1135 - SPRING, CLUTCH PRESSURE PLATE RETURN													
1A	5193431	SPRING (COIL)	3					3					3	3	
1A	5193414	SPRING (COIL)		3	3							3			
1A	9024370	SPRING					6								
1A	5194952	SPRING (COIL)							3						
		8.1142 - LEVER, CLUTCH RELEASE YOKE													
1A	5194140	LEVER	3	3				3		3		3	3	3	
1A	5197252	LEVER					3								
1A	5193422	PIN	3	3				3		3		3	3	3	
1A	5192175	PIN			3										
	455346	PIN, SPRING (RETAINER) (8.3450)					3								
1A	5196918	PIN					3								
1A	5194953	PIN, 5/16"X1 1/2" SPRING (12.9300)								3					
1A	5192142	RING, RETAINING	3	3				3		3		3	3	3	
1A	5192176	RING, RETAINING			1										
		8.1144 - NUT, CLUTCH ADJUSTING													
1A	5196871	NUT (5 1/4"-16 THD.)			1										
1A	5197889	NUT (6 5/8"-16 THD.)		1								1			
1A	5193424	@ NUT (6 5/8"-16 THD.)		1											
1A	5197883	NUT (7 1/2"-16 THD.)	1					1		1			1	1	
1A	5193430	# NUT (7 1/2"-16 THD.)	1					1		1					
1A	5197249	NUT					1								
	5197882	PLATE, WEAR	1					1		1			1	1	
	5197888	PLATE, WEAR		1								1			
		@ NOT SERVICED, FOR REPLACEMENT USE 1-5197888 AND 1-5197889.													
		# NOT SERVICED, FOR REPLACEMENT USE 1-5197882 AND 1-5197883.													

8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART			TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	180	181	187	204	208	214	220	221	228	230	255	270	271
8.1145 - LOCK, CLUTCH ADJUSTING NUT															
1A	5196867	LOCK	1					1		1			1	1	
1A	5196866	LOCK		1	1							1			
1A	5197251	LOCK					1								
1A	179789	BOLT, 1/4"-20X3/8" (12.9001)	1	1				1		1		1	1	1	
1A	114604	LOCKWASHER, 1/4" EXT. TOOTH (12.9210)	1	1				1		1		1	1	1	
8.1270 - SHAFT, CLUTCH RELEASE															
1A	5193626	SHAFT	1												
1A	5194241	SHAFT		1								1			
1A	5196587	SHAFT			1										
1A	5191656	SHAFT					1								
1A	5194244	SHAFT						1					1	1	
1A	5192251	SHAFT								1					
	145692	FITTING, 1/4" LUBE (12.9540)	2	2	2					2		2			
	5190957	FITTING, 1/2" LUBE	1												
	191758	FITTING, 1/8" LUBE (12.9540)						1							
8.1275 - YOKE, CLUTCH RELEASE															
A YOKE ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1275.															
1A	5192150	YOKE ASSY.	1												
1A	5193254	YOKE ASSY.		1				1				1	1	1	
1A	5193255	YOKE ASSY.			1										
1A	5191655	YOKE ASSY.					1								
1A	5197111	YOKE ASSY.								1					
1A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2			2		2		2	2	2	
1A	9046485	BOLT, 3/8"-16X1 1/2" (12.9001)													
1A	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2			2		2		2	2	2	
1A	111328	LOCKWASHER, 3/8" INT. TOOTH (12.9220)						2							
1A	113782	KEY, 1/4"X1" WOODRUFF (12.9350)	2	2	2			2		2		2	2	2	
1A	9046481	KEY (12.9350)					2								
8.1280 - FORK, CLUTCH RELEASE															
	3765372	FORK									1				
	3725240	STUD									1				
	3765360	BOOT									1				
8.1285 - SLEEVE, CLUTCH RELEASE															
1A	5193432	SLEEVE	1												
1A	5196453	SLEEVE		1								1			
1A	5196596	SLEEVE			1										
1A	5197254	SLEEVE					1								
1A	5193259	SLEEVE						1					1	1	
1A	5197113	SLEEVE								1					

8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART			TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	1 8 0	1 8 1	1 8 7	2 0 4	2 0 8	2 1 4	2 2 0	2 2 1	2 2 8	2 3 0	2 5 5	2 7 0	2 7 1	
8.1290 - BEARING, CLUTCH RELEASE																
	905263	BEARING (N.D. Z993609X1C)			1											
	5196598	SNAP RING, BEARING (3 1/16" O.D.)			1											
	5193270	SNAP RING, BEARING (2" O.D.)			1											
8.1295 - COLLAR, CLUTCH RELEASE																
A COLLAR ASSY. INCLUDES ITEMS IN 8.1295.																
1A	5198716	COLLAR ASSY.	1													
1A	5191674	COLLAR ASSY.					1									
	5198597	COLLAR			1											
1A	5196718	BEARING ASSY.		1								1				
1A	5196719	BEARING ASSY.						1					1	1		
1A	5197114	BEARING ASSY.							1							
	5191675	SHIM					2									
1A	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)			2			2				2	2	2		
1A	100018	BOLT, 5/16"-24X2" (12.9001)	2													
1A	106288	BOLT, 3/8"-24X2 1/4" (12.9001)					2			2						
1A	214279	NUT, 5/16"-24 ELASTIC STOP (12.9120)	2	2				2				2	2	2		
1A	8032717	NUT, 3/8"-24 ELASTIC (12.9120)								2						
1A	103026	NUT, 3/8"-24 (12.9120)					2									
8.1315 - LINK, CLUTCH RELEASE YOKE																
1A	5193421	LINK	6	6				6		6		6	6	6		
1A	5198601	LINK			6											
1A	5191671	LINK					6									
1A	5193420	PIN (5/16"X11/16") CLEVIS	6	6				6		6		6	6	6		
1A	5196870	PIN (1/4"X11/16") CLEVIS			6											
1A	103495	PIN, 5/16"X31/32" CLEVIS (12.9260)					6									
	103362	PIN, 1/16"X3/4" COTTER (12.9250)					6									
1A	5192176	RING, RETAINING	6	6				6		6		6	6	6		
1A	5192372	RING, RETAINING			6											
8.1318 - COVER, CLUTCH RELEASE YOKE LUBRICATION																
	5193621	COVER	1													
	132830	SCREW ASSY. (SOLENOID) (12.9025)	2													
8.1320 - HOSE, CLUTCH RELEASE BEARING																
1A	5190583	HOSE ASSY. (3/16" I.D. X 15" L)					1									
1A	5192296	HOSE ASSY.						1					1	1		
1A	5192295	HOSE ASSY.								1						

8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART			TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	1 8 0	1 8 1	1 8 7	2 0 4	2 0 8	2 1 4	2 2 0	2 2 1	2 2 8	2 3 0	2 5 5	2 7 0	2 7 1
8.1320 - HOSE, CLUTCH RELEASE BEARING (CONT'D)															
1A	273347	FITTING, 1/8" LUBE (12.9540)	1	1											
1A	191758	FITTING, 1/8" LUBE (12.9540)					1			2			1	1	
	111649	LOCKWASHER, 5/8" INT. TOOTH (12.9200)					1								
1A	122366	NUT, 5/8"-18 THIN (12.9120)					1	1		1			1	1	
8.1450 - BEARING, CLUTCH PILOT															
FOR CLUTCH PILOT BEARINGS NOT LISTED HERE, REFER TO GROUP 1.4040.															
	906986	BEARING (N.D. 7506LR1C) (1.4040)	1												
	907302	BEARING (N.D. Z99605X1978) (1.4040)		1						1					
	907303	BEARING (N.D. Z99604L1C) (1.4040)			1										
	5197246	+ BEARING					1								
	5197247	+ SPACER					1								
		+ OBSOLETE.													
8.1455 - FITTING, CLUTCH PILOT BEARING GREASE															
	191758	FITTING, 1/8" LUBE (12.9540)	1	1											
	273349	FITTING, 1/4" LUBE (12.9540)					1								
8.1470 - LEVER, CLUTCH HAND CONTROL															
A LEVER ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1470.															
1A	5193627	LEVER ASSY.	1	1	1							1			
1A	5191326	LEVER ASSY.					1								
1A	3290211	LEVER ASSY.						1		1			1	1	
1A	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	1	1	1					1		1	1	1	
1A	186646	BOLT, 1/2"-13X1 3/4" (12.9001)					1	1							
1A	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1					1		1	1	1	
1A	103323	LOCKWASHER, 1/2" (12.9200)					1	1							
8.1670 - SHAFT, CLUTCH DRIVE															
1A	5192160	* SHAFT	1												
1A	5196459	@ SHAFT	1												
1A	5196446	SHAFT		1								1			

8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART		TYPES														
FIG	NUMBER	NAME AND DESCRIPTION	1 8 0	1 8 1	1 8 7	2 0 4	2 0 8	2 1 4	2 2 0	2 2 1	2 2 8	2 3 0	2 5 5	2 7 0	2 7 1	
8.1670 - SHAFT, CLUTCH DRIVE (CONT'D)																
1A	5196587	# SHAFT (#PT-805-6)			1											
1A	5191651	SHAFT					1									
1A	5196455	SHAFT								1						
1A	6772328	SHAFT ASSY.						1								
1A	5192154	LOCKWASHER	1													
1A	5192491	LOCKWASHER		1	1											
1A	5190462	LOCKWASHER					1						1			
1A	5197559	LOCKWASHER								1						
1A	5194671	LOCKWASHER						1						1	1	
1A	5192153	NUT	1					1						1		
1A	5192490	NUT		1	1											
1A	5191320	NUT					1									
1A	5197558	NUT								1						
		* PART OF ASSY. 5147643.														
		@ PART OF ASSY. 5116493.														
		# NOT SERVICED. FOR REPLACEMENT														
		CONTACT ROCKFORD CLUTCH														
		DIVISION OF BORG-WARNER CORP.,														
		FURNISHING THEIR PART NUMBER														
		WHICH APPEARS IN PARENTHESES.														
8.1680 - BEARING, CLUTCH DRIVE SHAFT																
	901785	BEARING (N.D. 99607X1B)			1											
	954551	BEARING (N.D. 99509XR1B)						1								
1A	443749	BEARING	2													
1A	444263	BEARING					2									
	453812	BEARING ASSY.								2						
1A	432777	CUP, BEARING		2									2			
1A	443858	CONE, BEARING		2									2			
	5196598	RING, SNAP (1 1/2" O.D.)			1											
	5196590	RING, SNAP (3 1/4" O.D.)			1											
	6753487	RING, SNAP (3.47" O.D.)						1								
	6751822	RING, SNAP (2" O.D.)						1								
8.1685 - FITTING, CLUTCH DRIVE SHAFT BEARING GREASE																
1A	191758	FITTING, 1/8" LUBE (12.9540)	1	1									2			
8.1690 - RETAINER, CLUTCH DRIVE SHAFT BEARING																
1A	5192149	RETAINER	1													
1A	5193251	RETAINER		1									1			
1A	5191322	& RETAINER					1									

DETROIT DIESEL

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART			TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	1 8 0	1 8 1	1 8 7	2 0 4	2 0 8	2 1 4	2 2 0	2 2 1	2 2 8	2 3 0	2 5 5	2 7 0	2 7 1	
		8.1690 - RETAINER, CLUTCH DRIVE SHAFT BEARING (CONT'D)														
1A	5197004	RETAINER & NOT SERVICED; REPLACE WITH 5199860.								1						
		8.1695 - SPACER, CLUTCH DRIVE SHAFT BEARING RETAINER														
	5191321	& SPACER & NOT SERVICED; REPLACE WITH 5199860.					1									
		8.1700 - LOCK, CLUTCH DRIVE SHAFT BEARING RETAINER														
1A	3223379	LOCK	1	1						1		1				
1A	5191323	LOCK					1									
1A	179812	BOLT, 5/16"-18X1 1/2" (12.9001)	1	1			1			1		1				
	103320	LOCKWASHER, 5/16" (12.9200)	1	1			1			1		1				
		8.1900 - HOUSING, POWER TAKE-OFF ADAPTOR														
1B	5162833	HOUSING ASSY. (INCLUDES PIN)		1									1			
1B	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		4												
1B	179860	BOLT, 7/16"-14X1 1/4" (12.9001)		2									6			
1B	103321	LOCKWASHER, 3/8" (12.9200)		4									4			
1B	103322	LOCKWASHER, 7/16" (12.9200)		2									6			
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)		2									2			
		8.1904 - SHAFT, POWER TAKE-OFF ADAPTOR STUB														
	5136411	* SHAFT (TRANSMISSION DRIVE) * PART OF COUPLING ASSY. IN 8.1910.													1	
		8.1905 - ADAPTOR, POWER TAKE-OFF TO CLUTCH														
		AN ADAPTOR INCLUDES HUB IN 8.1906.														
1B	5119190	ADAPTOR		1									1			
	5172771	INSULATOR ASSY. (1.3280)											1			
		8.1906 - HUB, FRONT POWER TAKE-OFF ADAPTOR														
	5119170	HUB		1									1			

TYPES

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART		NAME AND DESCRIPTION		TYPES										
FIG	NUMBER			2 7 3	2 7 5	2 7 8	2 8 2	2 9 9	3 0 2	3 0 4	3 0 5	3 0 8	3 0 9	3 1 5
8.1001 - POWER TAKE-OFF ASSY.														
INCLUDES KEY IN 8.1001 AND ITEMS IN 8.1010 THRU 8.1700 EXCEPT 8.1450.														
NPN POWER TAKE-OFF ASSY. (CUSTOMER FURNISHED)														
1 1 1 1 1 1 1 1 1 1 1 1 1 1														
5140918 * POWER TAKE-OFF ASSY.														
1A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)												
1A	103321	LOCKWASHER, 3/8" (12.9200)												
* NOT SERVICED, COMPONENTS OF POWER TAKE-OFF ASSY., SERVICED BY COTTA TRANSMISSION CO., ROCKFORD, ILL.														
8.1010 - HOUSING, CLUTCH														
NPN HOUSING (CUSTOMER FURNISHED)														
5125651 HOUSING (AUTOMOTIVE)														
6756627 @ HOUSING (SAE #3)														
5140854 HOUSING (AUTOMOTIVE)														
5125650 PAN, CLUTCH HOUSING														
5135588 PAN, CLUTCH HOUSING														
3774698 # BOOT-CLUTCH FORK														
3765360 # BOOT-CLUTCH FORK (8.1280)														
3739163 # STUD														
3725240 # STUD														
5136088 STUD, 3/8"-4.82"														
5120494 STUD, 3/8"-16X1.95"														
180016 BOLT, 1/4"-20X1/2" (12.9001)														
179812 BOLT, 5/16"-18X1/2" (12.9001)														
465537 BOLT, 3/8"-16X4" (12.9001)														
103319 LOCKWASHER, 1/4" (12.9200)														
103320 LOCKWASHER, 5/16" (12.9200)														
103321 LOCKWASHER, 3/8" (12.9200)														
117049 NUT, 3/8"-24 (12.9120)														
@ PART OF TORQUE CONVERTER ASSY. 8.3000A TYPE 448.														
# PROCURE FROM CHEVROLET.														
8.1017 - CLUTCH ASSY.														
A CLUTCH ASSY. INCLUDES ITEMS IN 8.1030, 8.1080, 8.1100, 8.1135, 8.1142, 8.1144, 8.1145, 8.1285, 8.1295 AND 8.1315.														
NPN CLUTCH ASSY. (CUSTOMER FURNISHED)														
5194365 CLUTCH ASSY. (10" CLUTCH)														
5194342 CLUTCH ASSY. (10" CLUTCH)														
1A	5192489	KEY (1/4" SQ. X 2"L)												

8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART			TYPES										
FIG	NUMBER	NAME AND DESCRIPTION	2 7 3	2 7 5	2 7 8	2 8 2	2 9 9	3 0 2	3 0 4	3 0 5	3 0 8	3 0 9	3 1 5
8.1018 - RING, CLUTCH DRIVING													
1A	5192180	RING (10")				1		1			1		
	5123897	RING (15")								1			
	9409231	BOLT, 3/8"-16X1 1/2" LOCK (TO FLYWHEEL) (12.9001)				8		8					
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)									8		
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)								8			
	103321	LOCKWASHER, 3/8" (12.9200)									AR		
	103323	LOCKWASHER, 1/2" (12.9200)								8			
8.1020 - PLATE, CLUTCH DRIVEN													
	3862220	@ PLATE, CLUTCH DRIVEN										1	
		@ PROCURE FROM CHEVROLET.											
8.1030 - FACING, CLUTCH													
1A	5192182	FACING (3 SEGMENTS)				1		1			1		
8.1060 - COVER, CLUTCH HOUSING INSPECTION HOLE													
	3765349	@ COVER	1				1						
	180016	BOLT, 1/4"-20X1 1/2" (12.9001)	2				2						
	103319	LOCKWASHER, 1/4" (12.9200)	2				2						
		@ PROCURE FROM CHEVROLET.											
8.1080 - PLATE, CLUTCH PRESSURE													
1A	5194143	PLATE (OUTER)						1			1		
1A	5194294	PLATE (INNER) (INCLUDES LOCK)				1		1			1		
1A	5193258	PLATE (OUTER)				1							
	6272200	@ PLATE	1				1						
	3758681	@ PLATE ASSY.										1	
	340228	@ PLATE ASSY.	1				1						
	838653	BOLT, 3/8"-16X1"	8				8					6	
	103321	LOCKWASHER, 3/8" (12.9200)	8				8					6	
		@ PROCURE FROM CHEVROLET.											
8.1100 - SPRING, CLUTCH TOGGLE LEVER													
1A	5194138	SPRING				1		1			1		
8.1135 - SPRING, CLUTCH PRESSURE PLATE RETURN													
1A	5193431	SPRING (COIL)				3		3			3		

8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART			TYPES										
FIG	NUMBER	NAME AND DESCRIPTION	273	275	278	282	289	302	304	305	308	309	315
8.1142 - LEVER, CLUTCH RELEASE YOKE													
1A	5194140	LEVER				3		3			3		
1A	5193422	PIN				3		3			3		
1A	5192142	RING, RETAINING				3		3			3		
8.1144 - NUT, CLUTCH ADJUSTING													
1A	5197883	NUT, 7 1/2"-16			1		1				1		
	5197882	PLATE, WEAR			1		1				1		
8.1145 - LOCK, CLUTCH ADJUSTING NUT													
1A	5196867	LOCK			1		1				1		
1A	179789	BOLT, 1/4"-20X3/8" (12.9001)			1		1				1		
1A	114804	LOCKWASHER, 1/4" EXT. TOOTH (12.9210)			1		1				1		
8.1270 - SHAFT, CLUTCH RELEASED													
1A	5194244	SHAFT			1		1						
	191758	FITTING, 1/8" LUBE (12.9540)			1								
8.1275 - YOKE, CLUTCH RELEASE													
A YOKE ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1275.													
1A	5193254	YOKE ASSY.			1		1						
1A	186822	BOLT, 3/8"-16X1 1/4" (12.9001)	2		2		2						
1A	103321	LOCKWASHER, 3/8" (12.9200)	2		2		2						
1A	113782	KEY, 1/4"X1" WOODRUFF (12.9350)			2		2						
8.1280 - FORK, CLUTCH RELEASE													
	3843314	@ FORK										1	
	3765371	@ FORK	1				1						
@ PROCURE FROM CHEVROLET.													
8.1285 - SLEEVE, CLUTCH RELEASE													
1A	5193432	SLEEVE									1		
1A	5193259	SLEEVE			1		1						

8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART		NAME AND DESCRIPTION	TYPES									
FIG	NUMBER		2 7 3	2 7 5	2 7 8	2 8 2	2 9 9	3 0 2	3 0 4	3 0 5	3 0 8	3 0 9
8.1295 - COLLAR, CLUTCH RELEASE												
		A COLLAR ASSY. INCLUDES ITEMS IN 8.1295.										
	5198715	COLLAR ASSY.									1	
1A	5198719	BEARING ASSY.				1		1				
1A	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)				2		2				
1A	100018	BOLT, 5/16"-24X2" (12.9001)									2	
1A	214279	NUT, 5/16"-24 ELASTIC STOP (12.9120)				2		2			2	
8.1315 - LINK, CLUTCH RELEASE YOKE												
1A	5193421	LINK				6		6			6	
1A	5193420	PIN (5/16"X11/16") CLEVIS				6		6			6	
1A	5192176	RING, RETAINING				6		6			6	
8.1320 - HOSE, CLUTCH RELEASE BEARING												
1A	5192296	HOSE ASSY.				1		1				
1A	191758	FITTING, 1/8" LUBE (12.9540)						1				
1A	122366	NUT, 5/8"-18 THIN (12.9120)				1		1				
8.1455 - FITTING, CLUTCH PILOT BEARING GREASE												
	191758	FITTING, 1/8" LUBE (12.9540)				1						
8.1470 - LEVER, CLUTCH HAND CONTROL												
		A LEVER ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1470.										
1A	3290211	LEVER ASSY.				1		1				
1A	186628	BOLT, 3/8"-16X1 1/2" (12.9001)						1				
1A	186646	BOLT, 1/2"-13X1 3/4" (12.9001)				1						
1A	103321	LOCKWASHER, 3/8" (12.9200)						1				
1A	103323	LOCKWASHER, 1/2" (12.9200)				1						
8.1670 - SHAFT, CLUTCH DRIVE												
	5194671	LOCKWASHER				1		1				
1A	5192153	NUT				1		1				

8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	2 7 3	2 7 5	2 7 8	2 8 2	2 9 9	3 0 2	3 0 4	3 0 5	3 0 8	3 0 9	3 1 5
	8.1904	SHAFT, POWER TAKE-OFF ADAPTOR STUB											
	5122429	* SHAFT (TRANSMISSION DRIVE) * PART OF COUPLING ASSY. IN 8.1910.		1									
	8.1906	ADAPTOR, POWER TAKE-OFF TO CLUTCH AN ADAPTOR INCLUDES HUB IN 8.1906.											
	5172771	INSULATOR ASSY. (1.3280)			1								
	8.1908	HUB, FRONT POWER TAKE-OFF ADAPTOR											
	5119170	HUB			1								
	8.1907	CONE, POWER TAKE-OFF ADAPTOR											
1B	5119189	CONE (1.3295)			2								
1B	271632	BOLT, 3/4"-16X1 3/4" (1.3290)			1								
1B	5180291	WASHER (2.18" DIA. O.D.) (1.3290)			1								
	8.1908	PULLEY, CRANKSHAFT FRONT POWER TAKE-OFF											
	5169905	PULLEY							1				
	186612	BOLT, 3/8-16X1 3/8" (12.9001)							6				
	103321	LOCKWASHER, 3/8" (12.9200)							6				
	8.1910	COUPLING ASSY., POWER TAKE-OFF											
	5167273	COUPLING							1				
	5137481	COUPLING ASSY. (TRANSMISSION)		1									
	7450944	# BEARING, COUPLING		2									2
	5136406	# ADAPTOR, COUPLING											1
	9152466	# SEAL, BEARING		2									2
	5127300	# SPACER, BEARING		1									1
	9152465	# RETAINER, BEARING		2									2
	191758	# FITTING, 1/8" LUBE (12.9540)		1									1
	5127184	GASKET (TO BELL) (1.5020)		1									1
	5131724	KEY, 3/8"x1 1/4" WOODRUFF (12.9350)							2				
	5136529	BOLT, 3/8"-16X1 5/8" (NYLOCK)		12									12
	5153623	BOLT (12.9001)							1				
	5157930	WASHER (1.3290)							1				
	103321	LOCKWASHER, 3/8" (12.9200)		12									12
		# PART OF COUPLING ASSY. IN TYPE 275. AN ASSY. ALSO INCLUDES SHAFT IN 8.1904.											

8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART		NAME AND DESCRIPTION	TYPES											
FIG	NUMBER		3	2	0	3	4	4						
8.1001 - POWER TAKE-OFF ASSY.														
INCLUDES KEY IN 8.1001 AND ITEMS IN 8.1010 THRU 8.1700 EXCEPT 8.1450.														
	5148551	POWER TAKE-OFF ASSY.				1								
	5140918	* POWER TAKE-OFF ASSY.	1											
1A	5192162	KEY, 5/8"X4 1/4" L				1								
1A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	12			12								
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				12								
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				8								
1A	103321	LOCKWASHER, 3/8" (12.9200)	12			20								
* NOT SERVICED. COMPONENTS OF POWER TAKE-OFF ASSY., SERVICED BY COTTA TRANSMISSION CO., ROCKFORD, ILL.														
8.1010 - HOUSING, CLUTCH														
1A	5199890	HOUSING (SAE #4)				1								
8.1017 - CLUTCH ASSY.														
A CLUTCH ASSY. INCLUDES ITEMS IN 8.1030, 8.1080, 8.1100, 8.1135, 8.1142, 8.1144, 8.1145, 8.1285, 8.1295, 8.1315.														
	5196457	CLUTCH ASSY. (10")				1								
1A	5193449	KEY (3/8"X1/2"X1 7/8")				1								
8.1018 - RING, CLUTCH DRIVING														
	5192180	RING (10")				1								
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	8											
	103321	LOCKWASHER, 3/8" (12.9200)	8											
8.1030 - FACING, CLUTCH														
1A	5192182	FACING (3 SEGMENTS)				1								
8.1060 - COVER, CLUTCH HOUSING INSPECTION HOLE														
1A	5149358	COVER				1								
1A	131375	SCREW, 1/4"-20X3/8" RD. HD. SL (12.9001)				1								

8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART		NAME AND DESCRIPTION	TYPES											
FIG	NUMBER		3	2	0	3	4	4						
		8.1070 - GASKET, CLUTCH HOUSING INSPECTION HOLE COVER												
1A	5192415	GASKET				1								
		8.1080 - PLATE, CLUTCH PRESSURE												
1A	5194294	PLATE (INNER) (INCLUDE LOCK IN 8.1145)				1								
	179789	BOLT, 1/4"-20X3/8" (12.9001)				1								
	114804	LOCKWASHER, 1/4" EXT. TOOTH (12.9210)				1								
		8.1100 - SPRING, CLUTCH TOGGLE LEVER												
1A	5194138	SPRING				1								
		8.1135 - SPRING, CLUTCH PRESSURE PLATE RETURN												
1A	5193431	SPRING (COIL)				3								
		8.1142 - LEVER, CLUTCH RELEASE YOKE												
1A	5194140	LEVER				3								
1A	5193422	PIN				3								
1A	5192142	RING, RETAINING				3								
		8.1144 - NUT, CLUTCH ADJUSTING												
1A	5197883	NUT, 7 1/2"-16				1								
1A	5197882	PLATE, WEAR				1								
		8.1145 - LOCK, CLUTCH ADJUSTING NUT												
1A	5196867	LOCK				1								
		8.1270 - SHAFT, CLUTCH RELEASE												
1A	5193626	SHAFT				1								
	5190957	FITTING, 1/2" LUBE				2								
		8.1275 - YOKE, CLUTCH RELEASE												
		A YOKE ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1275.												
1A	5192150	YOKE ASSY.				1								

8.1000A POWER TAKE-OFF AND/OR CLUTCH

PART		NAME AND DESCRIPTION	TYPES											
FIG	NUMBER		3	2	0	3	4	4						
		8.1275 - YOKE, CLUTCH RELEASE (CONT'D)												
	113782	KEY, 1/4"X1" WOODRUFF (12.9350)				2								
1A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				2								
1A	103321	LOCKWASHER, 3/8" (12.9200)				2								
		8.1285 - SLEEVE, CLUTCH RELEASE												
1A	5193432	SLEEVE				1								
		8.1295 - COLLAR, CLUTCH RELEASE												
		A COLLAR ASSY. INCLUDES ITEMS IN 8.1295.												
1A	5196716	COLLAR ASSY.				1								
1A	100018	BOLT, 5/16"-24X2" (12.9001)				2								
1A	214279	NUT, 5/16"-24 LOCK				2								
		8.1315 - LINK, CLUTCH RELEASE YOKE												
1A	5193421	LINK				6								
1A	5193420	PIN, 5/16"X11/16" CLEVIS				6								
	5192178	RING, RETAINING				6								
		8.1318 - COVER, CLUTCH RELEASE YOKE LUBRICATION												
	5193621	COVER				1								
	132830	SCREW ASSY. (SOLENOID) (12.9025)				2								
		8.1320 - HOSE, CLUTCH RELEASE BEARING												
1A	273347	FITTING, 1/8" LUBE (12.9540)				1								
		8.1450 - BEARING, CLUTCH PILOT												
	906986	BEARING				1								
		8.1455 - FITTING, CLUTCH PILOT BEARING GREASE												
	191758	FITTING, 1/8" LUBE (12.9540)				1								

8.1000A POWER TAKE-OFF AND/OR CLUTCH

			TYPES											
FIG	PART NUMBER	NAME AND DESCRIPTION	3 2 0	3 4 4										
		8.1470 - LEVER, CLUTCH HAND CONTROL												
		A LEVER ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1470.												
1A	5193627	LEVER ASSY.		1										
1A	186678	BOLT, 3/8"-16X1 1/2" (12.9001)		1										
1A	103321	LOCKWASHER, 3/8" (12.9200)		1										
		8.1670 - SHAFT, CLUTCH DRIVE												
1A	5199893	SHAFT		1										
	5192154	LOCKWASHER		1										
	5192153	NUT		1										
		8.1680 - BEARING, CLUTCH DRIVE SHAFT												
1A	903212	BEARING		2										
	5199896	RING, SNAP (2.37" O.D.)		2										
		8.1690 - RETAINER, CLUTCH DRIVE SHAFT BEARING												
1A	5192149	RETAINER		1										
		8.1695 - SPACER, CLUTCH DRIVE SHAFT BEARING RETAINER												
	5199891	SPACER		1										
		8.1700 - LOCK, CLUTCH DRIVE SHAFT BEARING RETAINER												
1A	3223379	LOCK		1										
	179812	BOLT, 5/16"-18X1 1/2" (12.9001)		1										
	103320	LOCKWASHER, 5/16" (12.9200)		1										
		8.1895 - SUPPORT, POWER TAKE-OFF												
	5141064	SUPPORT		1										
	5143369	SHIM, 3/16"		1										
	5140392	SHIM (.005")		1										
	5175223	SHIM (.062")		1										
	5175224	SHIM (.031")		1										
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		6										
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)		4										

. TYPES

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8.3000A TORQUE CONVERTER

PART
FIG ... NUMBER ... NAME AND DESCRIPTION

PART NUMBER NAME AND DESCRIPTION		TYPES												
		2 3 2	2 9 7	2 9 9	3 0 0	3 0 6	3 5 9	3 6 2	3 7 8	3 8 8	3 9 4	3 9 6	4 2 3	
8.3001 - CONVERTER ASSY., TORQUE														
TORQMATIC CONVERTER ASSEMBLIES ARE AVAILABLE THROUGH D.O.A. SALES DEPARTMENT, C/O MANAGER, ENGINE DISTRIBUTION. COMPONENTS OF ALLISON TORQMATIC CONVERTER ASSEMBLIES ARE SHOWN IN ALLISON PARTS CATALOGS SA-1039 FOR 200, 300 SERIES AND SA-1118 FOR 400 SERIES.														
NPN	CONVERTER ASSY. (CUSTOMER FURNISHED)									1				
6758586	CONVERTER ASSY. (TCRD-246)	1												
5127243	* CONVERTER ASSY. (FULLER MODEL 12T)		1											
6758048	CONVERTER ASSY. (TCA-328)			1										
6769970	& CONVERTER ASSY. (TC-327) (TYPE 394)				1									
5113404	% CONVERTER ASSY. (TCDA-377)					1								
5133278	@ CONVERTER ASSY. (TCD-327)						1							
6769874	CONVERTER ASSY. (TCA-327)							1						
6775642	CONVERTER ASSY. (TCDOA-435)								1					
6778205	CONVERTER ASSY. (TC-357)										1			
5137978	+ CONVERTER ASSY. (TCD-354)											1		
5140430	# CONVERTER ASSY. (TCDA-377)												1	
849330	CAP, TACHOMETER DRIVE ADAPTOR								1				1	
5107931	WASHER, TACHOMETER ADAPTOR (7.4457)								1				1	
6756659	ORIFICE, PLUG (.312" DIA.) (8.3010)												1	
9409079	BOLT, 3/8"-16X7/8" (12.9001)		6										1	
186619	BOLT, 3/8"-16X1 1/8" (12.9001)		12										12	
186622	BOLT, 3/8"-16X1 1/4" (12.9001)	12		12	12	12	12				12	12		
179867	BOLT, 7/16"-14X2 1/4" (12.9001)								11					
103321	LOCKWASHER, 3/8" (12.9200)	12		12	12	12	12	12			12	12	12	
103322	LOCKWASHER, 7/16" (12.9200)								11					
* FOR REPLACEMENT PARTS CONTACT FULLER MFG. CO., KALAMAZOO, MICHIGAN, OR THEIR NEAREST OUTLET. FURNISH THEIR ASSY. PART NUMBER SHOWN IN PARENTHESES.														
& NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR A COMPLETE REPLACEMENT USE TYPE SHOWN IN PARENTHESES.														
% INCLUDES 6756755 CONVERTER PLUS OPTION #137. CONVERT TO TYPE 423 FOR COMPLETE REPLACEMENT.														
@ INCLUDES 6769970 CONVERTER PLUS OPTION #137. CONVERT TO TYPE 450 FOR COMPLETE REPLACEMENT.														
+ INCLUDES 6774949 CONVERTER PLUS OPTION #120.														

8.3000A TORQUE CONVERTER

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	232	297	299	300	306	359	362	378	386	394	396	423
	8.3001	CONVERTER ASSY., TORQUE (CONT'D)												
		# INCLUDES 6774946 CONVERTER PLUS OPTION #137.												
	8.3077	GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
5126974	*	GOVERNOR (GC838-AR1)			1		1							
5137807	*	GOVERNOR (GC6995)									1			
5125400	*	GOVERNOR (GC842-R2)								1				
5110622	*	GOVERNOR (GC815-R3)												1
5164294		SPACER (13/32"X7/8"X1/8") (7.1581)									2			
5184098		LEVER, GOVERNOR SPEED CONTROL			1		1			1				
5147640		LEVER, GOVERNOR SPEED CONTROL (3.3110)												1
5182881		TUBE ASSY., FLEXIBLE (3/16" I.D.X14") (TO TORQUE CONVERTER) (7.4074)			1		1			1				1
120401		ELBOW, 1/8" STREET 90 DEG. (12.9590)			1		1							
5166265		ELBOW, 1/4" INV. FL. TUBE 90 DEG. (RESTRICTED)			1		1			1				1
141539		BUSHING, 1/4"-1/8" RED. PIPE (12.9570)			1		1			1				
189060		BUSHING, 3/4"-1/4" RED. PIPE (12.9570)			1		1			1				1
2094272		TEE, 1/8" PIPE (7.4586)								1				
186647		BOLT, 1/4"-20X1" (12.9001)			1		1			1				1
5148437		BOLT AND LOCKWASHER ASSY. (2.3260)			4		4			4				4
181370		BOLT, 3/8"-24X1 1/4" (12.9001)									2			
103319		LOCKWASHER, 1/4" (12.9200)			1		1			1				1
103320		LOCKWASHER, 5/16" (12.9200)			4		4							4
103321		LOCKWASHER, 3/8" (12.9200)									2			
117049		NUT, 3/8"-24 (12.9120)									2			
		* NOT SERVICED BY D.D.A., PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESIS.												
	8.3083	BRACKET, TORQUE CONVERTER OUTPUT SHAFT GOVERNOR												
5136319		BRACKET									1			
186312		BOLT, 3/8"-24X4" (12.9001)									3			
103321		LOCKWASHER, 3/8" (12.9200)									3			

DETROIT DIESEL

53 MPC ENGINES

8.3000A TORQUE CONVERTER

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION											
		2	2	2	3	3	3	3	3	3	3	4	
		3	9	9	0	0	5	6	7	8	9	2	
		2	7	8	0	0	9	2	8	6	4	3	
			</										

. TYPES

[illegible]

8.3000A TORQUE CONVERTER

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	4	4	4								
			8	5	6								
				0	4								
		8.3077 - GOVERNOR, TORQUE CONVERTER											
		OUTPUT SHAFT (CONT'D)											
	103319	LOCKWASHER, 1/4" (12.9200)	1										
	103320	LOCKWASHER, 5/16" (12.9200)	4										
		* NOT SERVICED BY D.D.A. PROCURE											
		FROM PIERCE GOV. CO. UPLAND IND.											
		FURNISH THEIR PART NO. SHOWN IN											
		PARENTHESIS.											
		8.3270 - SUPPORT, TORQUE CONVERTER											
	5125807	SUPPORT, L.H.			1								
	5125808	SUPPORT, R.H.			1								
	5174895	SHIM (.060") (11.1080)			AR								
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)			10								
	103323	LOCKWASHER, 1/2" (12.9200)			10								
	103028	NUT, 1/2"-20 (12.9120)			10								

8.3000A TORQUE CONVERTER

PART
 ..FIG .. NUMBER NAME AND DESCRIPTION

COLUMN													
A	B	C	D	E	F	G	H	I	J	K	L	M	N
8.3077 - GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT													
5126974	*	GOVERNOR ASSY. (TORQUE CONVERTER MOUNTED)	1										
5137807	*	GOVERNOR ASSY.	1										
5125400	*	GOVERNOR ASSY.		1									
5110622	*	GOVERNOR ASSY. (TORQUE CONVERTER MOUNTED)			1								
	*	SHOWN FOR COMPONENT REFERENCE ONLY											
8.3370 - BODY, GOVERNOR													
7A 5195555	*	BODY (G9042-136)	1		1	1							
5198623	*	BODY (G9042-180)		1									
5145009		PLUG, 1/8" PIPE (12.9550)		1									
5195556	*	PLUG (1/4" DIA. X 1/4"L) (G11825)	1			1							
2156249	*	SCREW, BUFFER (G5113-1) (8.3465)	1										
5196099	*	SPRING, BUFFER (SN1481) (8.3465)	1										
5195596	*	CUP, OIL (X495)		1									
5197813	*	TAG, OIL LEVEL (X1945)		1									
5197851	*	TAG, OIL CUP (X4207)		1									
5195597	*	OILER (X2054)		1									
120613		NUT, 1/4"-28 (BUFFER SCREW LOCK) (12.9120)	1										
123298		BOLT, 1/4"-28X3/8" (12.9001)				1							
5195569	*	WASHER, 1/4" COPPER (X923) (8.3475)				1							
	*	NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESIS.											
8.3380 - BASE, GOVERNOR													
5195553	*	BASE (G11330)	1		1	1							
5197805	*	BASE (G11314-1)		1									
147112		SCREW, #10-24X3/4" (12.9027)		4		4							
7A 5197271	*	BOLT, #10-24X3/4" (SOC. HD.)	4		4	4							
120217		LOCKWASHER, #10 (12.9200)	4	4	4	4							
	*	NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESIS.											
8.3385 - OIL SEAL, GOVERNOR BASE													
5197812	*	SEAL (X1221)		1									
	*	NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND.											

8.3000A TORQUE CONVERTER

PART		COLUMN														
FIG	NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.3385 - OIL SEAL, GOVERNOR BASE (CONT'D)														
		FURNISH THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.3390 - GASKET, GOVERNOR BODY TO BASE														
7A	5195554	* GASKET (X1425)	1	1	1	1										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3400 - SPIDER AND SHAFT ASSY., GOVERNOR OPERATING														
7A	5197265	* SHAFT ASSY. (A6644)	1		1											
	5197810	* SHAFT ASSY. (A6734)		1												
	5195552	* SHAFT ASSY. (A4748)				1										
7A	5196701	* PIN, WEIGHT (G14007) (2.7430)	4	2	4	4										
7A	9411504	CLIP, WEIGHT PIN RETAINER ("C" WASHER) (2.7430)	4	2	8	4										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3405 - WEIGHT ASSY., GOVERNOR														
7A	5196073	* WEIGHT ASSY. (A2447)	4		4											
	5197815	* WEIGHT ASSY. (A2499)		2												
	5195551	* WEIGHT ASSY. (A2430)				4										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3410 - BEARING, GOVERNOR OPERATING SHAFT														
7A	907045	* BEARING (N.D. 3202L1A) (X310) (2.7430)	1	1	1	1										
7A	274843	* RING, SNAP (TO BASE) (X1921)	1		1	1										
7A	274273	* RING, SNAP (TO SHAFT) (X1290)	1		1	1										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														

8.3000A TORQUE CONVERTER

PART			COLUMN													
FIG	NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M	N
8.3420 - RISER, GOVERNOR																
7A	5196104	* RISER (G10813) (2.7380)	1	1	1											
	2252407	* RISER (G9846)				1										
	5196117	* RING, SNAP (X1923) (2.7350)	1	1	1											
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
8.3425 - BEARING, GOVERNOR RISER THRUST																
7A	9411475	* BEARING (3 PIECE) (X1336A) (2.7460)	1	1	1	1										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
8.3430 - FORK, GOVERNOR OPERATING																
7A	5196103	* FORK (G9838) (2.7290)	1	1	1											
	2156238	* FORK (G6026)									1					
7A	5195577	* SCREW (WITH LOCKWASHER) (X1687)	2	2	2	2										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
8.3435 - SHAFT, GOVERNOR ROCKER																
7A	5197269	* SHAFT (G14337)	1		1											
	5197811	* SHAFT (G14311)		1												
	5195572	* SHAFT (G11667)				1										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
8.3440 - BEARING, GOVERNOR ROCKER SHAFT																
7A	2156235	* BEARING (X328)	2	2	2	2										
7A	274844	RING, SNAP	2	2	2	2										
7A	2252405	PLUG (1 3/32" O.D., REVERSED CUP) (8.3370)	1			1										

8.3000A TORQUE CONVERTER

PART		COLUMN													
FIG	NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M
		8.3440 - BEARING, GOVERNOR ROCKER SHAFT (CONT'D)													
	103893	PLUG, 7/8" EXPANSION (2.7230)			1										
	5196086	* WASHER (X2307) (2.7260)			1										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND, INC. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.													
		8.3445 - SEAL, GOVERNOR ROCKER SHAFT OIL													
7A	2363528	* SEAL (X1566)	1	2	1	1									
7A	5195574	* RETAINER, OIL SEAL (G12211)	1	2	1	1									
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.													
		8.3450 - LEVER, GOVERNOR ROCKER SHAFT THROTTLE													
7A	5197267	* LEVER (G8240-1)	1		1										
	5197814	* LEVER (A6304)		1											
7A	455346	PIN, 5/32"x3/4" SPRING (12.9275)	1	2	1										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND INC. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.													
		8.3455 - BRACKET, GOVERNOR SPEED ADJUSTING SHAFT													
7A	5195557	* BRACKET (G10188-1)	1	1	1										
7A	138201	BOLT, 1/4"-20X3/4" SOC. HD. (12.9027)	2	2	2										
	108578	LOCKWASHER, 1/4" (12.9200)	2	2	2										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.													
		8.3460 - LEVER, GOVERNOR SPEED ADJUSTING SPRING													
7A	5195573	* LEVER (ON ROCKER SHAFT) (G8106)	1		1										
7A	5195560	* LEVER (ON SPEED ADJUSTING SHAFT) (G8234)	1		1										

8.3000A TORQUE CONVERTER

PART FIG NUMBER NAME AND DESCRIPTION			COLUMN													
			A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.3460 - LEVER, GOVERNOR SPEED ADJUSTING SPRING (CONT'D)														
	5197807	* LEVER (G6303)		1												
	5197808	* LEVER (G8115-1)		1												
7A	455346	PIN, 5/32"x3/4" SPRING (12.9275)	2	2	2											
7A	5197266	* BOLT, EYE (1/4"-28X2") (G8748)	1	1	1											
7A	5197270	* BOLT, LIMIT ADJUSTING (X1032-11)	2	2	2											
	5195593	* NUT, #12-24 CROSS DRILLED (X991)		2												
7A	103089	NUT, #12-24 (12.9120)	2		2											
7A	120613	NUT, 1/4"-28 (12.9120)	2	2	2											
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND INC. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3465 - SPRING, GOVERNOR SPEED ADJUSTING														
7A	5195582	* SPRING (SN1236)	1													
	5197809	* SPRING (SN1351)		1												
	5195562	* SPRING (SN1344)			1											
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND INC. FURNISH THEIR PART NO. SHOWN IN PARENTHESIS.														
		8.3470 - SHAFT, GOVERNOR SPEED ADJUSTING														
7A	5197268	* SHAFT (G8861)	1		1											
	5197806	* SHAFT (G11028)		1												
7A	5195559	* SPACER (G2608)	1	1	1											
7A	274844	RING, SNAP (8.3440)	1	1	1											
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND INC. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3475 - CONNECTION, GOVERNOR TACHOMETER SHAFT														
7A	5195712	* CONNECTION ASSY. (A6191)	1	1	1											
7A	138510	WASHER	1	1	1											
7A	5195571	LOCKNUT (X1114)	1	1	1											
	5195569	GASKET (X923)			1											
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND INC. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														

8.3000B TRANSMISSION LINES

PART		TYPES									
FIG	NUMBER	NAME AND DESCRIPTION									
		1 2 3	1 3 4	1 3 8	1 4 2	1 5 7	1 8 6	1 9 3	1 9 5	1 9 9	2 0 2
8.3800 - TUBE, CONVERTER TO OIL COOLER											
5137685	HOSE, 13/32" X 33"								1		
5199578	HOSE, BULK #12 (CUT L 50") (12.8550)							1		1	
5199578	HOSE, BULK #12 (CUT L 37.2")										1
9410977	ELBOW, 90 DEG. X 1/2" TUBE								1		
9410979	ELBOW, 90 DEG. X 3/4" TUBE									1	1
5176705	ELBOW, 3/4" TUBE, 3/4" PIPE									1	
118757	ELBOW, 90 DEG. FL TUBE (12.9390)								1		
142767	BUSHING, 3/4" X 3/8" RED. (12.9570)								1		
274249	SEAL O'RING, 3/4" TUBING O.D. (12.9437)										
5199916	FITTING, #12 BULK HOSE (STRAIGHT) SWIVEL (12.8552)									1	1
9402711	ADAPTOR, 3/4" P.T. TUBE (12.9415)							2 1	1		2 1
8.3818 - TUBE, OIL COOLER TO CONVERTER											
5182896	HOSE, FLEX. (5/8" I.D. X 47 9/16" L.)				1						
5182900	HOSE, FLEX. (5/8" I.D. X 53 3/16" L.)	1									
5177685	HOSE, FLEX. (5/8" I.D. X 56 1/4" L.)					1					
5123315	HOSE, FLEX. (13/32" I.D. X 41" L.)								1		
5187150	HOSE, FLEX. (5/8" I.D. X 58 1/4" L.)		1								
5199578	HOSE, BULK #12 (CUT L 50") (12.8550)							1		1	1
5199916	FITTING, #12 BULK HOSE ST. SWIVEL (12.8552)							2 1			
9402711	ADAPTOR, 3/4" NPTF FL TUBE (12.9415)										
9410977	ELBOW, 90 DEG. 1/2" TUBE (12.9391)								1		
5176705	ELBOW (3/4" TUBE, 3/4" PIPE) (8.3800)	1	1		1	1		2			
141821	ELBOW, 3/8" STREET 90 DEG. (12.9590)	1	1		1	1					
5148269	ELBOW ASSY., 1/2" TUBE 90 DEG. (4.4330)							2			
9410979	ELBOW, 90 DEG. 3/4" TUBE (12.9390)									1	
118757	ELBOW, 90 DEG. FL TUBE (12.9390)								1		
142767	BUSHING, 3/4" X 3/8" RED. (12.9570)								1		
274249	SEAL O'RING, 3/4" TUBING O.D. (12.9437)									1	1
9402711	CONNECTOR, 3/4" TUBE, 3/4" P.T. (12.9415)									1	1
8.3819 - CLIP, OIL COOLER TO CONVERTER TUBE											
5157702	CLIP (4.8040)	1	3		1	1	2	1		2	3
5146788	CLIP, 13/16" NEOPRENE								2		
5114541	BRACKET, CLIP (7.1585)	1	1		1	1					
5181325	BRACKET, CLIP (4.8042)								1		
5178595	BRACKET, CLIP (2.5030)		1								
179812	BOLT, 5/16"-18 X 1/2" (12.9001)		1								
186625	BOLT, 5/16"-18 X 7/8" (12.9001)								1		
179838	BOLT, 3/8"-16 X 7/8" (12.9001)										1
181360	BOLT, 3/8"-24 X 3/4" (12.9001)	1	2		1	1					
103320	LOCKWASHER, 5/16" (12.9200)		1						1		
103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR	AR					1
117049	NUT, 3/8"-24 (12.9120)	1	2		1	1					
102635	NUT, 3/8"-16 (12.9120)										1
120376	NUT, 5/16"-18 (12.9120)								1		
8.3827 - TUBE, CONVERTER TO FILTER											
5121808	HOSE (8.3825)	1	1		1	1					
5122417	HOSE, 5/8" I.D. X 21" (9.9630)						1				
144613	NIPPLE, 3/4" X 3/8" PIPE (12.9560)	1	1		1	1					
5177664	ADAPTOR, 3/4" FLARED TUBE						2				

8.3000B TRANSMISSION LINES

PART
FIG ... NUMBER ... NAME AND DESCRIPTION

TYPES

	1 2 3	1 3 4	1 3 8	1 4 2	1 5 7	1 8 6	1 9 3	1 9 5	1 9 9	2 0 2									
8.3827 - TUBE, CONVERTER TO FILTER (CONT'D)																			
179735 BUSHING, 3/4" X 1/8" RED. (12.9570)						1													
189775 TEE, 1/2"X3/4"X3/4" RED. PIPE (12.9616)	1	1		1	1														
147885 TEE, 3/4" PIPE ST. (12.9616)						1													
5115214 PLUG, 1/2" PIPE (12.9550)	1	1		1	1														
8.3828 - TUBE, FILTER TO OIL COOLER																			
5177697 HOSE, FLEX. (5/8" I.D. X 20 5/8" L.)				1															
5120683 HOSE, FLEX. (5/8" I.D. X 25 1/2" L.)	1																		
5178023 HOSE, FLEX. (5/8" I.D. X 29 1/2" L.)					1														
5113643 HOSE, FLEX. (5/8" I.D. X 25 29/32" L.)							1												
5120029 HOSE, FLEX. (5/8" I.D. X 36" L.)		1																	
5183095 HOSE, FLEX. (5/8" I.D. X 53 3/16" L.)							1												
5176705 ELBOW (3/4" TUBE, 3/4" PIPE) (8.3800)	1	1		1	1	4													

8.3000B TRANSMISSION LINES

PART		TYPES									
FIG	NUMBER	NAME AND DESCRIPTION									
		1 2 3	1 3 4	1 3 8	1 4 2	1 5 7	1 8 6	1 9 3	1 9 5	1 9 9	2 0 2
	8.3828 - TUBE, FILTER TO OIL COOLER (CONT'D)										
141621	ELBOW, 3/4" STREET 90 DEG. (12.9590)	1	1		1	1					
	8.3840 - DIPSTICK, TORQUE CONVERTER										
5148386	DIPSTICK (X-31.62", Y-.65", Z-29.94") (4.4370)							1		1	1
5147676	DIPSTICK (X-30.38", Z-28.58") (9.4012)								1		
	8.3841 - ADAPTOR, TORQUE CONVERTER DIPSTICK										
5148306	ADAPTOR (DEV. L. 47.19") (4.4371)							1		1	1
5147395	ADAPTOR (9.4013)								1		
	8.3842 - CLIP, DIPSTICK TORQUE CONVERTER										
5145492	CLIP, 3/4" I.D. 13/32" BOLT HOLE (3.5507)							1		1	1
5151189	CLIP, 3/4" SPECIAL (4.8040)								1		
5126358	BRACKET, ADAPTOR SUPPORT (4.6040)								1		
179838	BOLT, 3/8"-16 X 7/8" (12.9001)								1		
103321	LOCKWASHER, 3/8" (12.9200)								1		
102635	NUT, 3/8"-16 (12.9120)								1		
	8.3870 - FILTER ASSY., CONVERTER OIL										
	INCLUDES ITEMS IN 8.3872 THRU 8.3876 AND 8.3884 THRU 8.3890.										
5196393	FILTER ASSY. (9.3650)	1	1	1	1	1	1				
179839	BOLT, 3/8"-16X1" (12.9001)	4	4	4	4	4	4				
103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4				
	8.3872 - ELEMENT, CONVERTER OIL FILTER										
5573014	ELEMENT (INCLUDES GASKET IN 4.3875) (4.2250)	1	1	1	1	1					
	8.3873 - ADAPTOR, CONVERTER OIL FILTER										
5123382	ADAPTOR (4.2290)	1	1	1	1	1					
5121182	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1					
	8.3874 - SHELL, CONVERTER OIL FILTER										
5574008	SHELL (4.2280)	1	1	1	1	1					
5573162	DECAL (4.2280)	1	1	1	1	1					
	8.3875 - GASKET, CONVERTER OIL FILTER SHELL										
5571024	GASKET (4.2300)	1	1	1	1	1					

8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES									
			1 2 3	1 3 4	1 3 8	1 4 2	1 5 7	1 8 6	1 9 3	1 9 5	1 9 9	2 0 2
	8.3876	- SCREW, CONVERTER OIL FILTER COVER										
	5120740	STUD (4.2410)	1	1	1	1	1					
	5187308	SPRING (4.2310)	1	1	1	1	1					
	5187309	RETAINER, SPRING (4.2315)	1	1	1	1	1					
	5187310	GASKET, RETAINER (4.2330)	1	1	1	1	1					
	5120802	RING, RETAINING SNAP (2.4227)	1	1	1	1	1					
	5154538	WASHER (1.8182)	1	1	1	1	1					
	5574130	GASKET	1	1	1	1	1					
	8.3880	- BRACKET, CONVERTER										
	5121884	BRACKET	1	1	1	1	1	1				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2	2	2					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						2				
	8.3884	- VALVE, OIL FILTER PRESSURE REGULATOR										
	5133431	VALVE (4.2485)	1	1	1	1	1					
	8.3886	- SPRING, OIL FILTER PRESSURE REGULATOR										
	5133594	SPRING (4.2486)	1	1	1	1	1					
	8.3888	- PLUG, OIL FILTER PRESSURE REGULATOR										
	5126686	PLUG (4.2488)	1	1	1	1	1					
	8.3890	- GASKET, OIL FILTER PRESSURE REGULATOR PLUG										
	5575086	GASKET (4.2489)	1	1	1	1	1					

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	Camsshaft 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

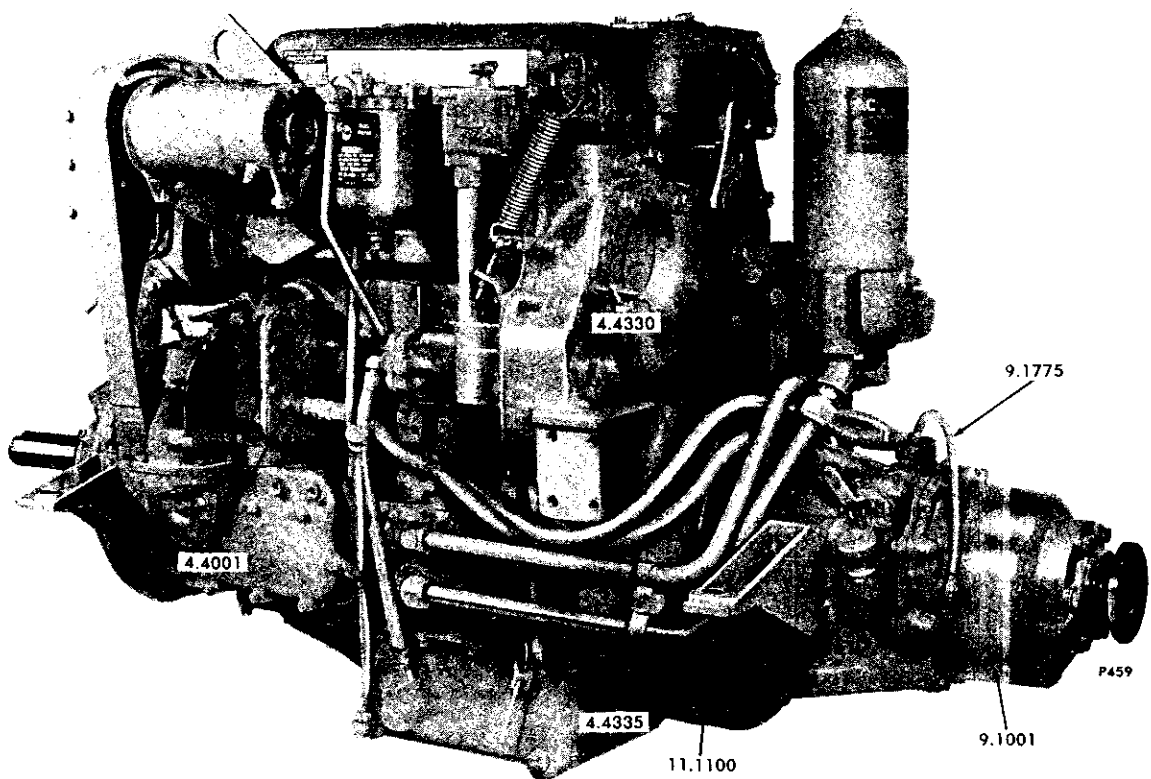


FIG. 1A TYPICAL INLINE MARINE GEAR INSTALLATION

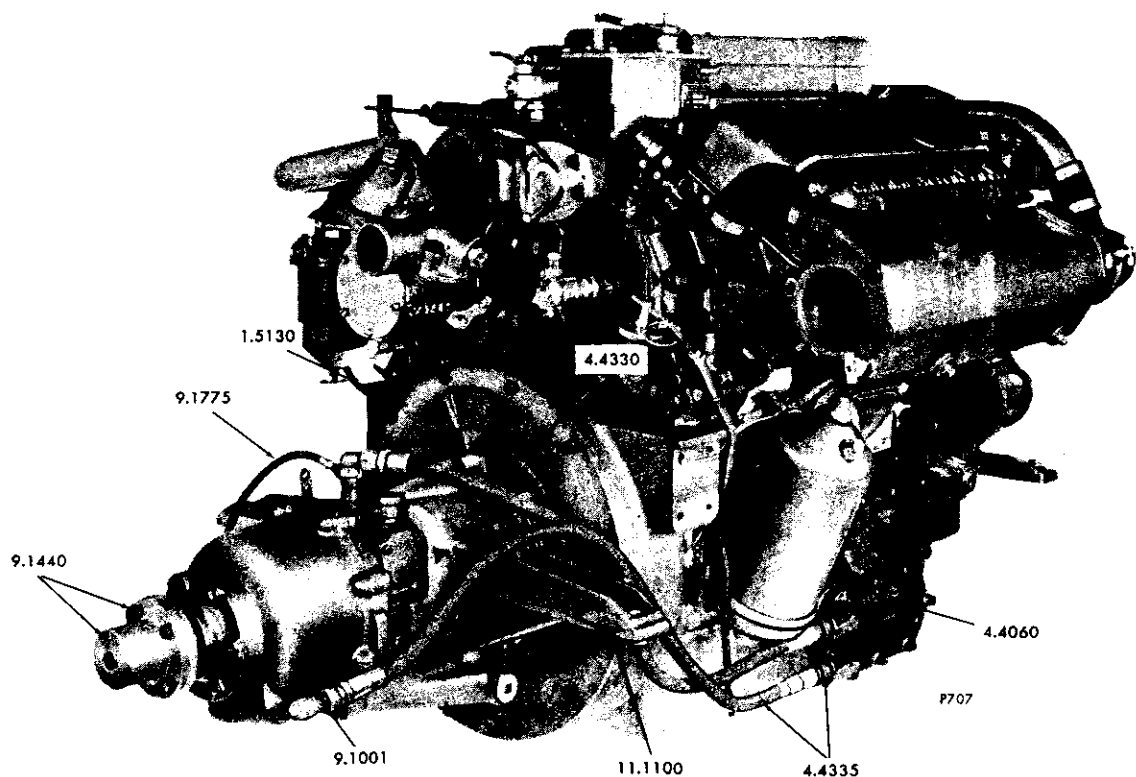


FIG. 1B TYPICAL V-53 MARINE GEAR INSTALLATION

Figs. 1A & 1B of 9.0000

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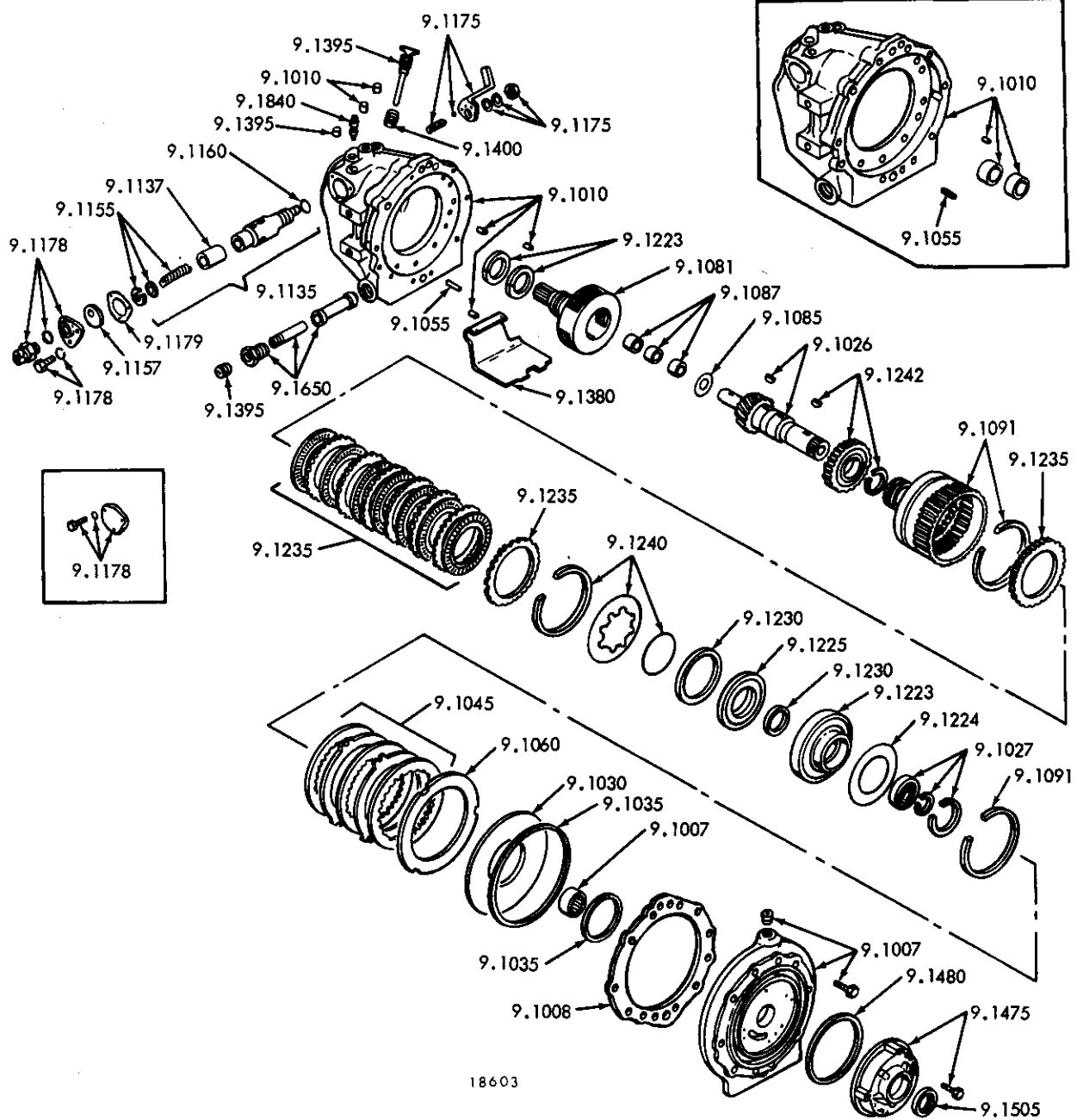


FIG. 2A HYDRAULIC MARINE GEAR (Model 71 and 72)

Fig. 2A of 9.0000

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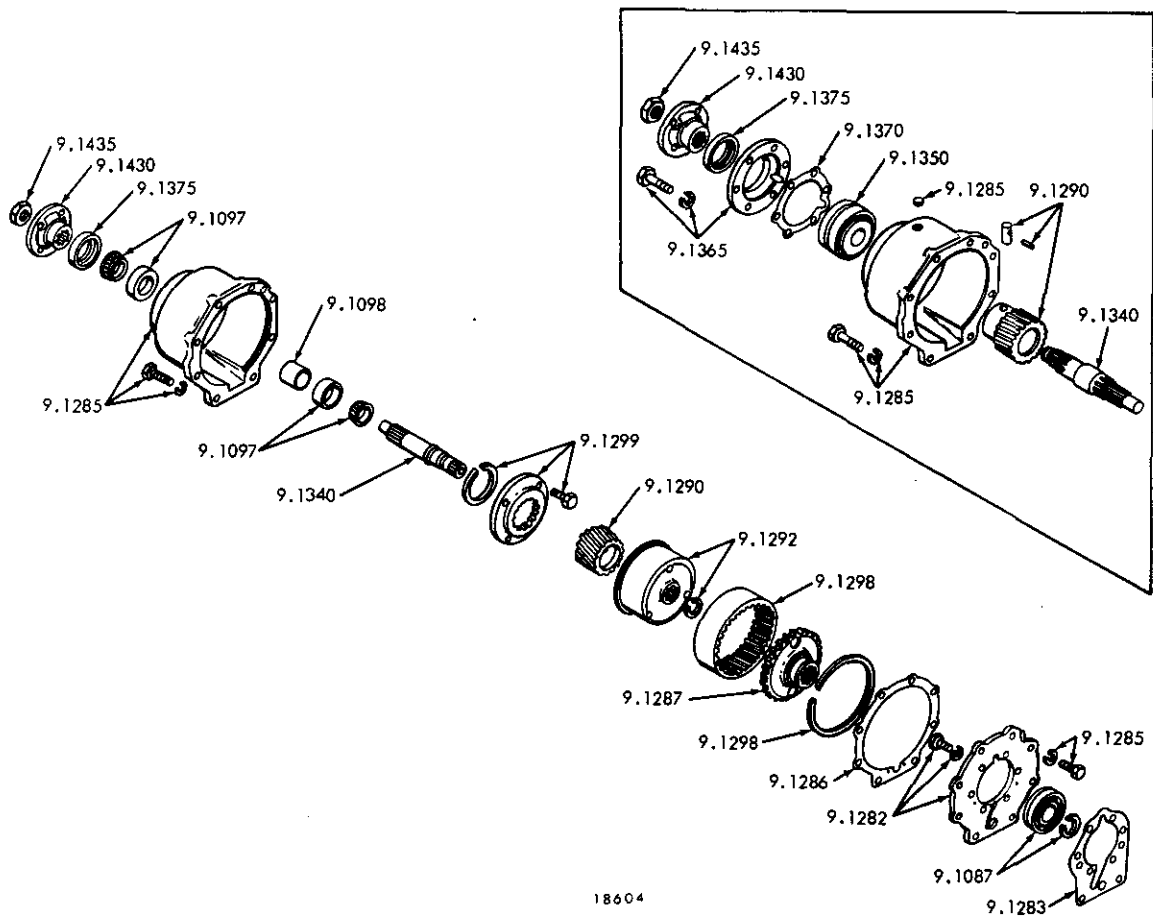


FIG.2B 1.5:1 REDUCTION GEAR (Model 71 and 72)

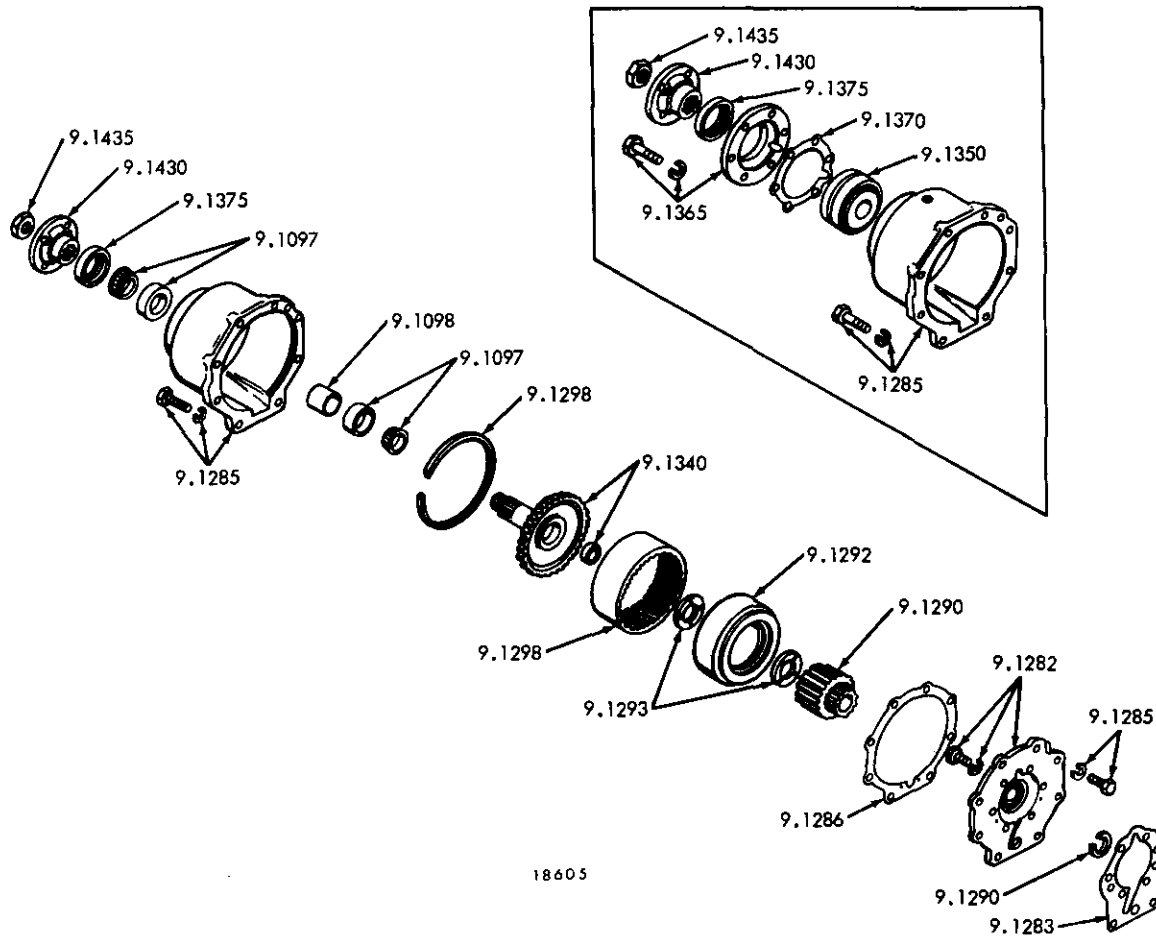


FIG. 2C REDUCTION GEAR (Model 71 and 72)

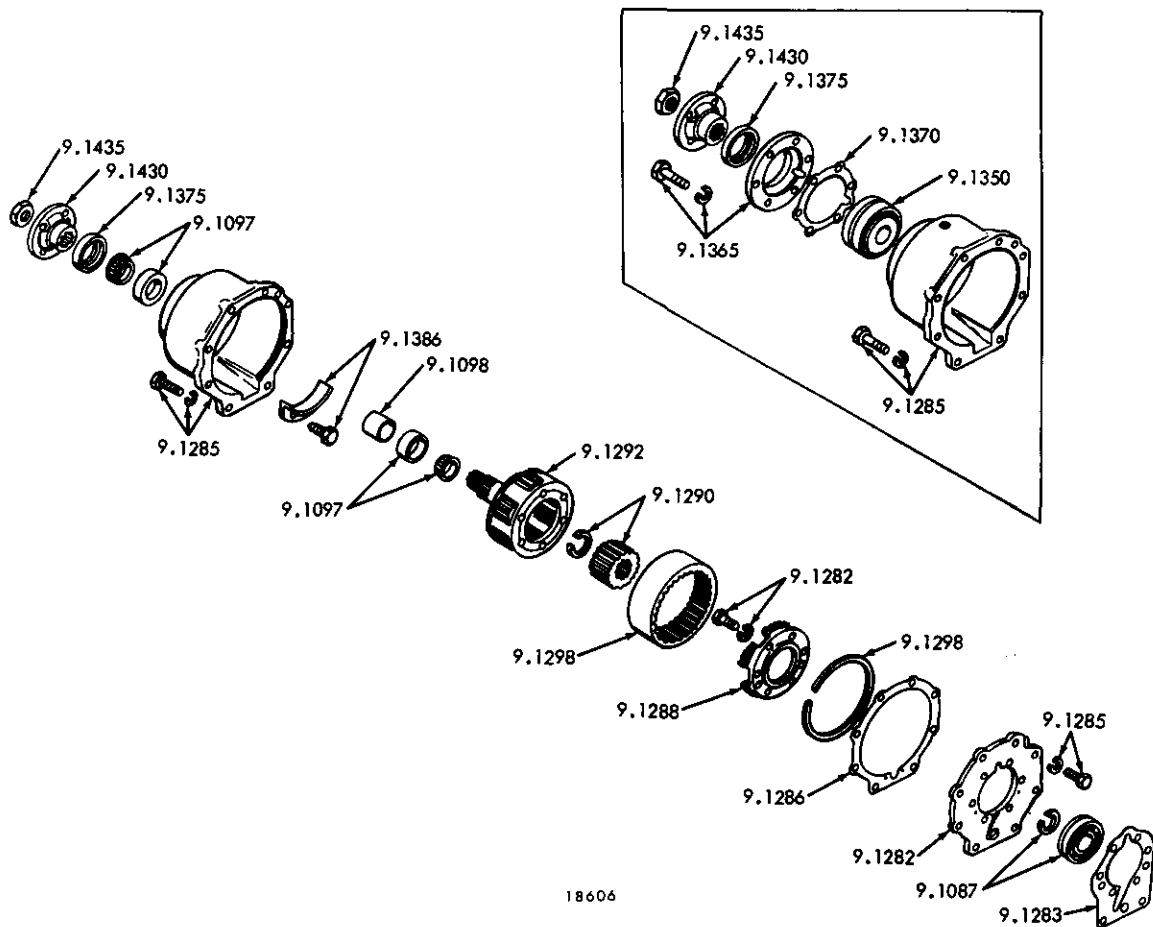


FIG. 2D 2.5:1 AND 3:1 REDUCTION GEAR (Model 71 and 72)

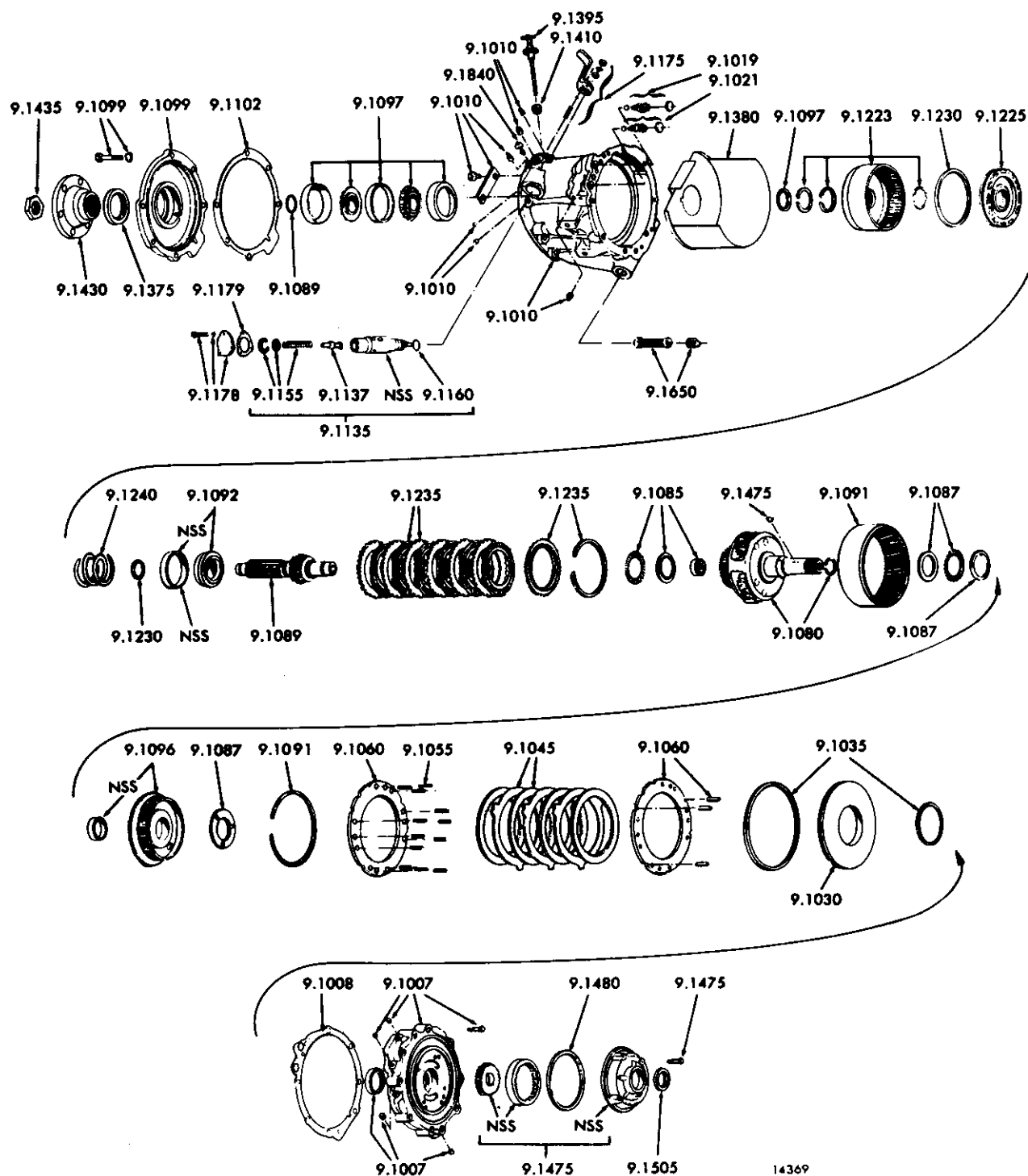


FIG. 2E HYDRAULIC MARINE GEAR - DIRECT DRIVE (Model 73)

Fig. 2E of 9.0000

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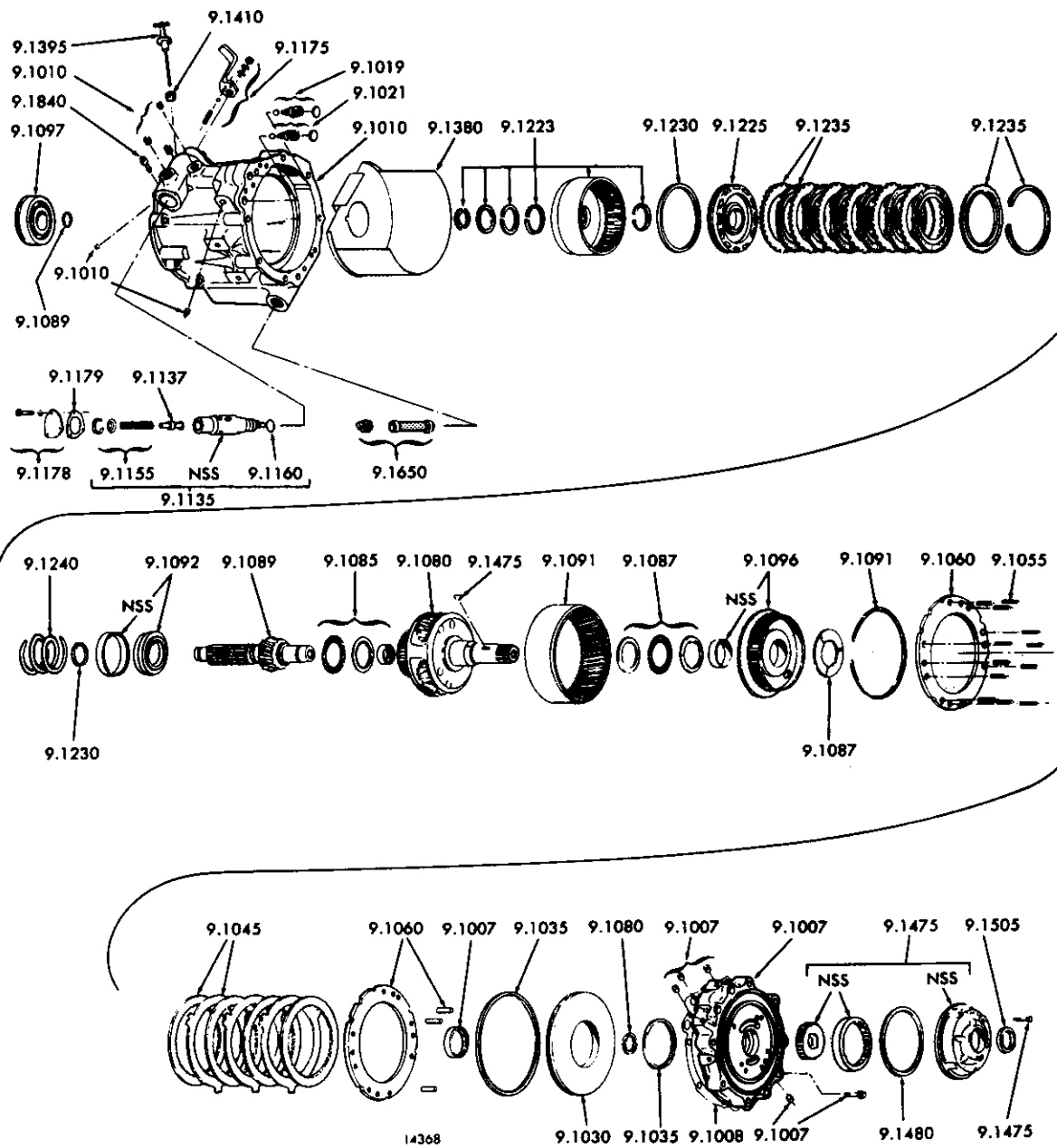


FIG. 2F HYDRAULIC MARINE GEAR -
1.5:1, 2:1 and 3:1 REDUCTION (Model 73)

Fig. 2F of 9.0000

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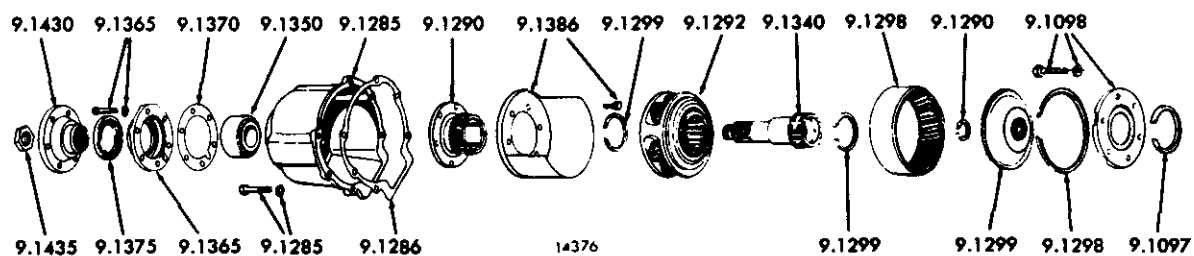


FIG. 2G 1.5:1 REDUCTION GEAR (Model 73)

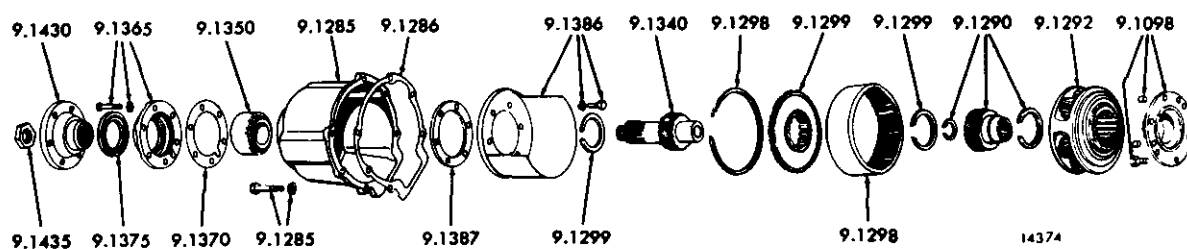


FIG. 2H 2:1 REDUCTION GEAR (Model 73)

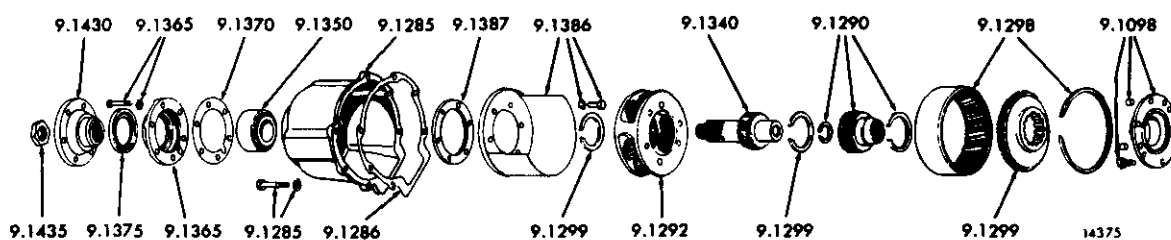


FIG. 2J 3:1 REDUCTION GEAR (Model 73)

Figs. 2G, 2H & 2J of 9.0000

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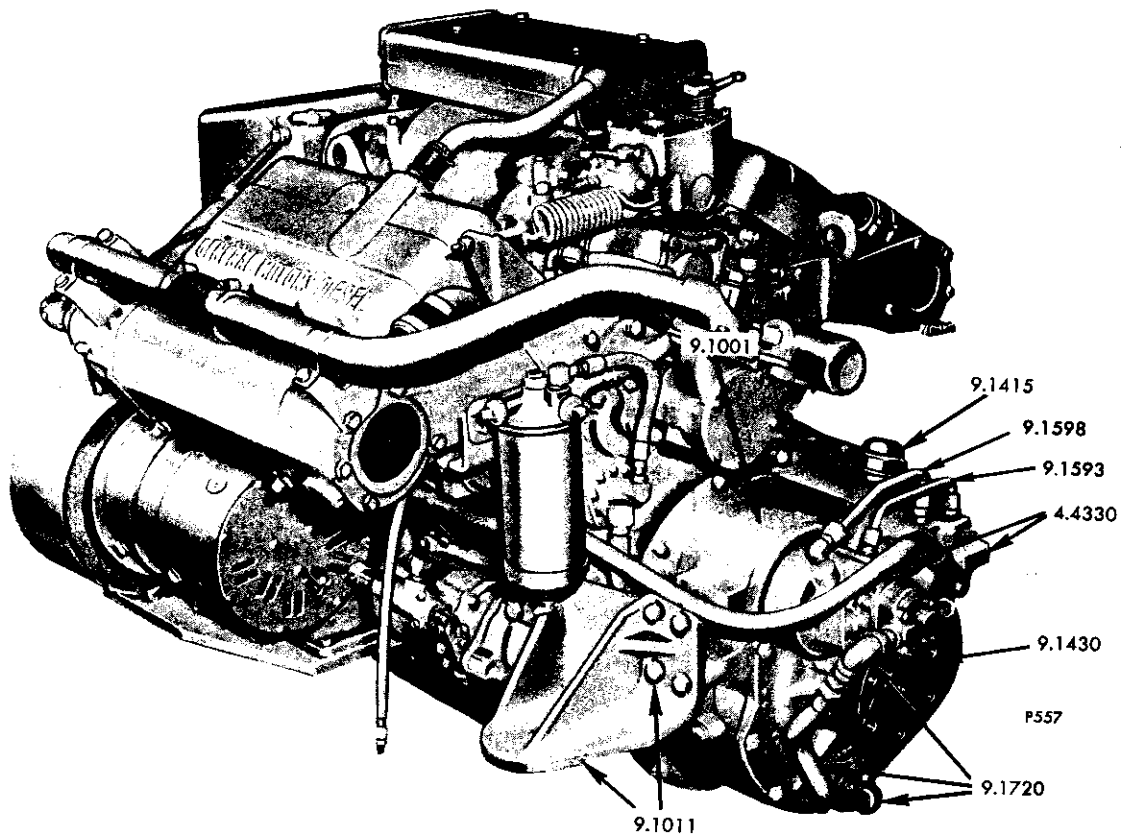


FIG. 3A TYPICAL MARINE GEAR INSTALLATION (Twin Disc Gear)

Fig. 3A of 9.0000

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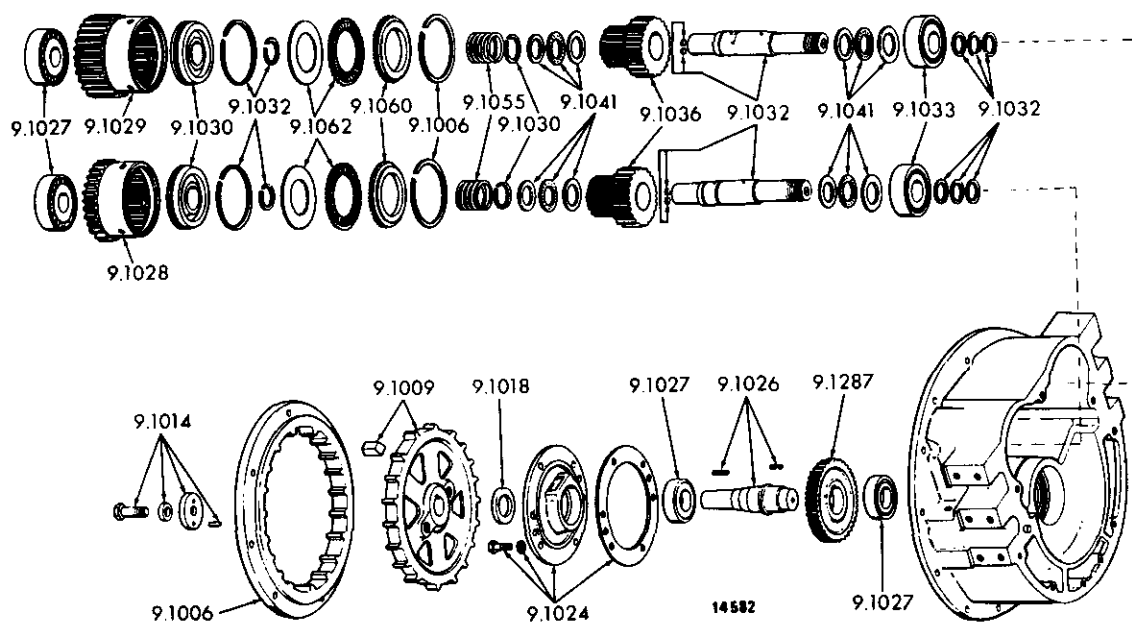


FIG. 4A MARINE GEAR (Input and Clutch - Twin Disc)

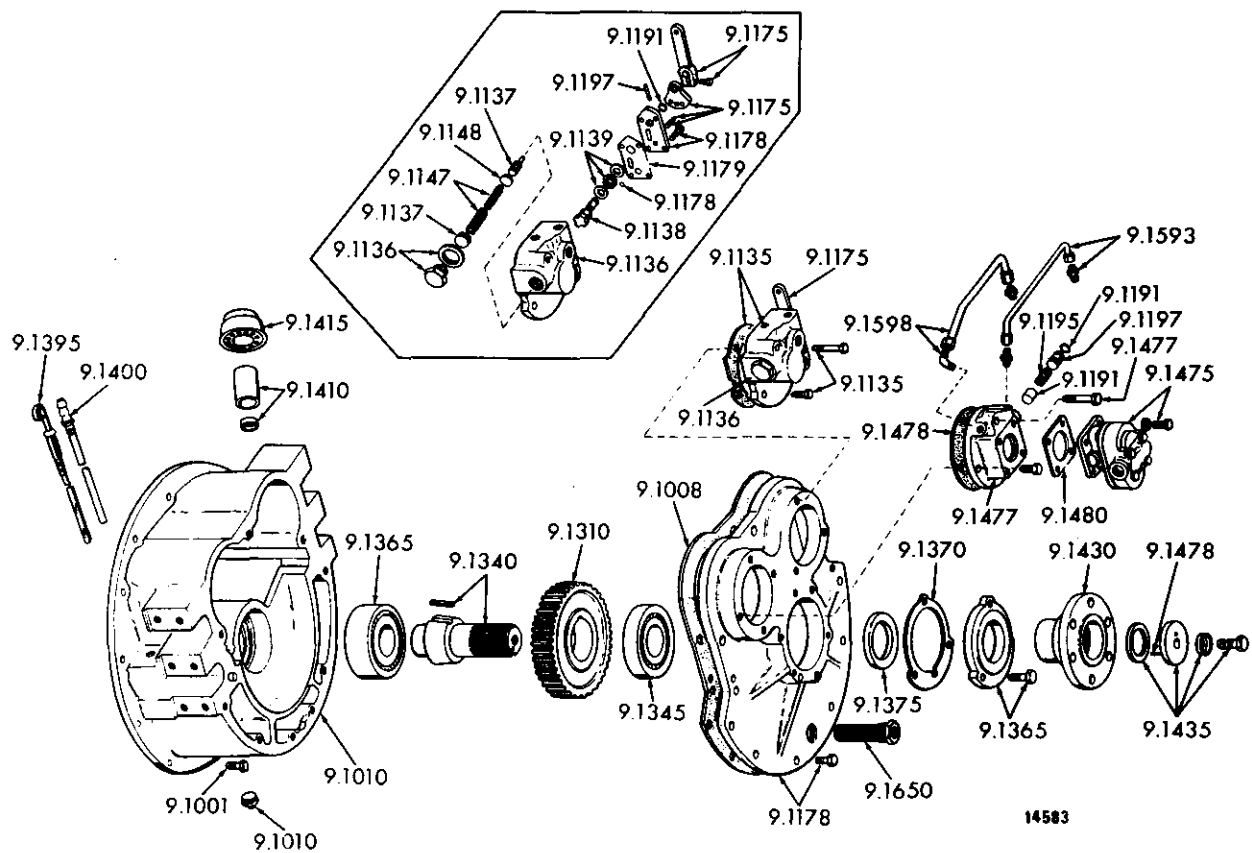


FIG. 4B MARINE GEAR (Output End, Pump and Selector Valve - Twin Disc)

Fig. 4B of 9.0000

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9.1000A HYDRAULIC MARINE GEAR

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	3 2 2	3 2 3	3 2 4	3 2 5	3 2 6	3 2 7	3 2 8	3 2 9	3 3 0	3 3 1	4 9 5	4 9 6
9.1001 - GEAR ASSY., HYDRAULIC MARINE														
REFER TO ASSEMBLY BREAKDOWN AS INDICATED.														
	5122586	# GEAR ASSY., DIRECT, L.H. (PAGE A1) AS1-71A (5106304)	1											
	5122587	# GEAR ASSY., DIRECT, R.H. (PAGE A1) AS1-71R (5106305)		1										
1A	5122588	# GEAR ASSY., 1.5:1, L.H. (PAGE A1) AS2-71R (5106306)			1									
1A	5122589	# GEAR ASSY., 1.5:1, R.H. (PAGE A1) AS2-71AR (5106307)				1								
1A	5122590	# GEAR ASSY., 2:1, L.H. (PAGE A1) AS3-71A (5106308)					1							
1A	5122591	# GEAR ASSY., 2:1, R.H. (PAGE A1) AS3-71AR (5106309)						1						
1A	5122593	# GEAR ASSY., 2.5:1, R.H. (PAGE A1) AS4-71AR (5106311)							1					
1A	5122594	# GEAR ASSY., 2.5:1, L.H. (PAGE A1) AS4-71A (5106310)								1				
1A	5122595	# GEAR ASSY., 3:1, R.H. (PAGE A1) AS5-71AR (5106313)									1			
1A	5122596	# GEAR ASSY., 3:1, L.H. (PAGE 1A) AS5-71A (5106312)										1		
1B	5127847	# GEAR ASSY., DIRECT, L.H. (PAGE D1) AS1-72A (5106314)											1	
1B	5127851	# GEAR ASSY., DIRECT, R.H. (PAGE D1) AS1-72A (5106315)												1
1B	5170507	DECAL, ROTATION INDICATING ARROW	1	1	1	1	1	1	1	1	1	1	1	1
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	6	6	6	6	6	6	6	6	6	6	6	6
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6	6	6
# NOT SERVICED, USE PART NUMBER IN PARENTHESES.														
9.1006 - COUPLING, MARINE GEAR DRIVE														
	5128731	COUPLING	1	1	1	1	1	1	1	1	1	1		
	5126826	COUPLING											1	1
	9409011	BOLT, 5/16"-18X3/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL														
	5196739	+ GASKET KIT (INCLUDES NECESSARY GASKETS AND SNAP RINGS FOR ONE COMPLETE OVERHAUL)	1	1	1	1	1	1	1	1	1	1	1	1
+ NOT SERVICED, USE 5149636 AND 5149638.														

9.1000A HYDRAULIC MARINE GEAR

PART ..FIG .. NUMBER .. NAME AND DESCRIPTION ..			TYPES											
			3 2 2	3 2 3	3 2 4	3 2 5	3 2 6	3 2 7	3 2 8	3 2 9	3 3 0	3 3 1	4 9 5	4 9 6
9.1440 - COUPLING, PROPELLER DRIVE SHAFT														
GEAR ASSEMBLIES (SEE CHART) COME WITH A 3 1/4" B.C. FLANGE; TO USE A COUPLING WITH 4 1/4" BOLT CIRCLE, FLANGE MUST BE CHANGED (SEE 9.1430).														
1B	5122654	COUPLING, 3 1/4" B.C., 1" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122655	COUPLING, 3 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122656	COUPLING, 3 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122657	COUPLING, 3 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5123209	COUPLING, 3 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128342	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128343	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128344	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109351	* COUPLING, 3 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109352	* COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
	5145092	BOLT, 3/8"-24X1.12" (3 1/4" COUPLING) (12.5015)	4	4	4	4	4	4	4	4	4	4	4	4
	5122430	BOLT, 7/16"-20X1.18" (4 1/4" COUPLING)	4	4	4	4	4	4	4	4	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	103026	NUT, 3/8"-24 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
* PARTIALLY MACHINED; MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.														
9.1775 - TUBE, OIL PRESSURE GAGE														
1A	5131604	* HOSE, 1/2" I.D.X15 21/32" L. FLEX. (12.4065)	1	1	1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE 90 DEG. STREET (12.9480)	1	1	1	1	1	1	1	1	1	1	1	1
* UNITS THRU 3D-35664, 4D-36584, 6D-30357, INCLUDE 1-118753 ELBOW.														

9.1000A HYDRAULIC MARINE GEAR

PART		TYPES												
..FIG	NUMBER	NAME AND DESCRIPTION	497	498	499	500	501	502	503	504	516	517	518	519
9.1001 - GEAR ASSY., HYDRAULIC MARINE														
REFER TO ASSEMBLY BREAKDOWN AS INDICATED.														
	5122586	# GEAR ASSY., DIRECT, L.H. (PAGE A1)												
		AS1-71A (5106304)									1			
	5122587	# GEAR ASSY., DIRECT, R.H. (PAGE A1)												
		AS1-71A (5106305)										1		
1A	5122588	# GEAR ASSY., 1.5:1, L.H. (PAGE A1)												
		AS2-71A (5106306)											1	
1A	5122589	# GEAR ASSY., 1.5:1, R.H. (PAGE A1)												
		AS2-71AR (5106307)												1
1B	5127848	# GEAR ASSY., 1.5:1, L.H. (PAGE D1)												
		AS2-72A (5106316)	1											
1B	5127852	# GEAR ASSY., 1.5:1, R.H. (PAGE D1)												
		AS2-72AR (5106317)		1										
1B	5126825	# GEAR ASSY., 2:1, L.H. (PAGE D1)												
		AS3-72A (5106320)			1									
1B	5126824	# GEAR ASSY., 2:1, R.H. (PAGE D1)												
		AS3-72AR (5106321)				1								
1B	5127849	# GEAR ASSY., 2.5:1, L.H. (PAGE D1)												
		AS4-72A (5106322)					1							
1B	5127853	# GEAR ASSY., 2.5:1, R.H. (PAGE D1)												
		AS4-72AR (5106323)						1						
1B	5127850	# GEAR ASSY., 3:1, L.H. (PAGE D1)												
		AS5-72A (5106324)							1					
1B	5127854	# GEAR ASSY., 3:1, R.H. (PAGE D1)												
		AS5-72AR (5106325)								1				
1B	5170507	DECAL, ROTATION INDICATING ARROW	1	1	1	1	1	1	1	1	1	1	1	1
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)			6	6					6	6	6	6
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)					6	6	6	6				
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6	6	6
		# NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
9.1003 - HOUSING, MARINE GEAR DRIVE														
	5128819	& HOUSING ASSY. (INCLUDES PINS)									1	1	1	1
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)									2	2	2	2
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)									4	4	4	4
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)									2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)									4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)									2	2	2	2
		& OBSOLETE.												
9.1004 - FLANGE, MARINE GEAR DRIVE														
	5128825	* FLANGE									1	1	1	1
	5119189	CONE (1.3295)									2	2	2	2
	5180291	RETAINER (WASHER) (1.3290)									1	1	1	1

9.1000A HYDRAULIC MARINE GEAR

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	4 9 7	4 9 8	4 9 9	5 0 0	5 0 1	5 0 2	5 0 3	5 0 4	5 1 6	5 1 7	5 1 8	5 1 9
		9.1004 - FLANGE, MARINE GEAR DRIVE (CONT'D)												
	271630	BOLT, 3/4"-16X1 1/2" (12.9001) * OBSOLETE									1	1	1	1
		9.1006 - COUPLING, MARINE GEAR DRIVE												
	5128731	COUPLING									1	1	1	1
	5126826	COUPLING	1	1	1	1	1	1	1	1	1	1	1	1
	9409011	BOLT, 5/16"-18X3/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
		9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL												
	5196739	+ GASKET KIT (INCLUDES NECESSARY GASKETS AND SNAP RINGS FOR ONE COMPLETE OVERHAUL)	1	1	1	1	1	1	1	1	1	1	1	1
		+ NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.												
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
		GEAR ASSEMBLIES (SEE CHART) COME WITH A 3 1/4" B.C. FLANGE; TO USE A COUPLING WITH 4 1/4" BOLT CIRCLE, FLANGE MUST BE CHANGED (SEE 9.1430).												
1B	5122654	COUPLING, 3 1/4 B.C., 1 BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122655	COUPLING, 3 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122656	COUPLING, 3 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122657	COUPLING, 3 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5123209	COUPLING, 3 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128342	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128343	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128344	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109351	* COUPLING, 3 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109352	* COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
	5145092	BOLT, 3/8"-24X1.12" (3 1/4" COUPLING) (12.5015)	4	4	4	4	4	4	4	4	4	4	4	4

9.1000A HYDRAULIC MARINE GEAR

PART		TYPES											
..FIG ..	NUMBER .. NAME AND DESCRIPTION ..	4 9 7	4 9 8	4 9 9	5 0 0	5 0 1	5 0 2	5 0 3	5 0 4	5 1 6	5 1 7	5 1 8	5 1 9
9.1440 - COUPLING, PROPELLER DRIVE SHAFT (CONT'D)													
5122430	BOLT, 7/16"-20X1.18" (4 1/4" COUPLING)	4	4	4	4	4	4	4	4	4	4	4	4
103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
103026	NUT, 3/8"-24 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
* PARTIALLY MACHINED; MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.													
9.1775 - TUBE, OIL PRESSURE GAGE													
1A 5131604	* HOSE, 1/2" I.D.X15 21/32"L. FLEX. (12.4065)	1	1	1	1	1	1	1	1	1	1	1	1
1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
118753	ELBOW, 1/4" TUBE 90 DEG. STREET (12.9480)	1	1	1	1	1	1	1	1	1	1	1	1
* UNITS THRU 3D-35664, 4D-36584, 6D-30357, INCLUDE 1-118753 ELBOW.													

9.1000A HYDRAULIC MARINE GEAR

PART		TYPES												
..FIG ..	NUMBER	NAME AND DESCRIPTION	5 2 0	5 2 1	5 2 2	5 2 3	5 2 4	5 2 5	5 3 1	5 3 6	5 3 7	5 3 8	5 4 0	5 4 1
9.1001 - GEAR ASSY., HYDRAULIC MARINE														
REFER TO ASSEMBLY BREAKDOWN AS INDICATED.														
1A	5122590	# GEAR ASSY., 2:1, L.H. (PAGE A1)												
		AS3-71A (5106308)	1											
1A	5122591	# GEAR ASSY., 2:1, R.H. (PAGE A1)												
		AS3-71AR (5106309)		1										
1A	5122593	# GEAR ASSY., 2.5:1, R.H. (PAGE A1)												
		AS4-71AR (5106311)			1									
1A	5122594	# GEAR ASSY., 2.5:1, L.H. (PAGE A1)												
		AS4-71A (5106310)				1								
1A	5122595	# GEAR ASSY., 3:1, R.H. (PAGE A1)												
		AS5-71AR (5106313)					1							
1A	5122596	# GEAR ASSY., 3:1, L.H. (PAGE A1)												
		AS5-71A (5106312)						1						
	5129455	# GEAR ASSY., DIRECT, L.H. (PAGE C1)												
		AS1-71BA (5106304)							1			1		
	5129456	# GEAR ASSY., DIRECT, R.H. (PAGE C1)												
		AS1-71BAR (5106305)								1	1			
	5129531	GEAR ASSY., DIRECT, L.H. (PAGE B1)												
		AS1-71C (5106306)											1	
	5129536	# GEAR ASSY., DIRECT, R.H. (PAGE B1)												
		AS1-71CR (5106305)												1
	5170507	DECAL, ROTATION INDICATING ARROW	1	1	1	1	1	1	1	1	1	1	1	1
	5134365	STUD (6.1050)							2	2	2	2	2	2
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	6	6	6	6	6	6						
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)							4	4	4	4	4	4
	456939	NUT, 7/16"-20 (12.9120)							2	2	2	2	2	2
# NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.														
9.1003 - HOUSING, MARINE GEAR DRIVE														
	5128819	* HOUSING ASSY. (INCLUDES PIN)	1	1	1	1	1	1		1		1		
	5129099	HOUSING ASSY. (INCLUDES PIN)											1	1
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)	2	2	2	2	2	2	2	2		2	2	2
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	4	4	4	4	4	4	4	4		4	4	4
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	2	2	2	2	2	2	2	2		2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4	4		4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2	2	2	2	2	2		2	2	2
* OBSOLETE.														
9.1004 - FLANGE, MARINE GEAR DRIVE														
	5128825	* FLANGE	1	1	1	1	1	1		1		1		
	5126794	FLANGE											1	1
	5119189	CONE (1.3295)	2	2	2	2	2	2	2	2		2	2	2

9.1000A HYDRAULIC MARINE GEAR

PART		TYPES												
..FIG ..	NUMBER	NAME AND DESCRIPTION	5 2 0	5 2 1	5 2 2	5 2 3	5 2 4	5 2 5	5 3 1	5 3 6	5 3 7	5 3 8	5 4 0	5 4 1
9.1004 - FLANGE, MARINE GEAR DRIVE (CONT'D)														
5180291	RETAINER (WASHER) (1.3290)		1	1	1	1	1	1		1		1	1	1
271630	BOLT, 3/8"-16X1 1/2" (12.9001)		1	1	1	1	1	1		1		1	1	1
* OBSOLETE.														
9.1006 - COUPLING, MARINE GEAR DRIVE														
5128731	COUPLING		1	1	1	1	1	1	1	1	1	1		
5129524	COUPLING												1	1
9409011	BOLT, 5/16"-18X3/4" (12.9001)		8	8	8	8	8	8	8	8	8	8	8	8
9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL														
5196739	+ GASKET KIT (INCLUDES NECESSARY GASKETS AND SNAP RINGS FOR ONE COMPLETE OVERHAUL)		1	1	1	1	1	1	1	1	1	1	1	1
+ NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.														
9.1440 - COUPLING, PROPELLER DRIVE SHAFT														
GEAR ASSEMBLIES (SEE CHART) COME WITH A 3 1/4" B.C. FLANGE; TO USE A COUPLING WITH 4 1/4" BOLT CIRCLE, FLANGE MUST BE CHANGED (SEE 9.1430).														
1B	5122654	COUPLING, 3 1/4" B.C., 1" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122655	COUPLING, 3 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122656	COUPLING, 3 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122657	COUPLING, 3 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5123209	COUPLING, 3 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128342	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128343	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128344	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109351	* COUPLING, 3 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109352	* COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, PLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
	5145092	BOLT, 3/8"-24X1.12" (3 1/4" B.C.) (12.5015)	4	4	4	4	4	4	4	4	4	4	4	4

9.1000A HYDRAULIC MARINE GEAR

PART			TYPES											
.FIG	NUMBER	NAME AND DESCRIPTION	5 2 0	5 2 1	5 2 2	5 2 3	5 2 4	5 2 5	5 3 1	5 3 6	5 3 7	5 3 8	5 4 0	5 4 1
9.1440 - COUPLING, PROPELLER DRIVE SHAFT (CONT'D)														
	5122430	BOLT, 7/16"-20X1.18" (4 1/4" COUPLING)	4	4	4	4	4	4	4	4	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	103026	NUT, 3/8"-24 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
		* PARTIALLY MACHINED, MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.												
9.1775 - TUBE, OIL PRESSURE GAGE														
1A	5131604	@ HOSE, 1/2" I.D.X15 21/32" L. FLEX. (12.4065)	1	1	1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE - 90 DEG. (12.9480)	1	1	1	1	1	1	1	1	1	1	1	1
		@ UNITS PRIOR TO 3D-35665, 4D-36585, 6D-30358, INCLUDE 1-118753 ELBOW.												

9.1000A HYDRAULIC MARINE GEAR

PART			TYPES											
..FIG ..	NUMBER	NAME AND DESCRIPTION	5 4 2	5 4 3	5 4 4	5 4 5	5 4 6	5 4 7	5 4 8	5 4 9	5 5 0	5 5 1	5 5 2	5 5 3
9.1001 - GEAR ASSY., HYDRAULIC MARINE														
REFER TO ASSEMBLY BREAKDOWN AS INDICATED.														
1A	5129531	# GEAR ASSY., DIRECT, L.H. (PAGE B1) AS1-71C (5106304)									1			
1A	5129536	# GEAR ASSY., DIRECT, R.H. (PAGE B1) AS1-71CR (5106305)										1		
1A	5129532	# GEAR ASSY., 1.5:1 RED., L.H. (PAGE B1) AS2-71C (5106306)	1										1	
1A	5129537	# GEAR ASSY., 1.5:1 RED., R.H. (PAGE B1) AS2-71CR (5106307)		1										1
1A	5129533	# GEAR ASSY., 2:1 RED., L.H. (PAGE B1) AS3-71C (5106308)			1									
1A	5129538	# GEAR ASSY., 2:1 RED., R.H. (PAGE B1) AS3-71CR (5106309)				1								
1A	5129534	# GEAR ASSY., 2.5:1 RED., L.H. (PAGE B1) AS4-71C (5106310)					1							
1A	5129539	# GEAR ASSY., 2.5:1 RED., R.H. (PAGE B1) AS4-71CR (5106311)						1						
1A	5129535	# GEAR ASSY., 3:1 RED., L.H. (PAGE B1) AS5-71C (5106312)							1					
1A	5129540	# GEAR ASSY., 3:1 RED., R.H. (PAGE B1) AS5-71CR (5106313)								1				
	5170507	DECAL, ROTATION INDICATING ARROW	1	1	1	1	1	1	1	1	1	1	1	1
	5134365	STUD (6.1050)									2	2		
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	6	6	6	6	6	6	6	6	4	4	6	6
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6	6	6
	456939	NUT, 7/16"-20 (12.9120)									2	2		
		# NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
9.1003 - HOUSING, MARINE GEAR DRIVE														
	5129099	HOUSING ASSY. (INCLUDES PIN)	1	1	1	1	1	1	1	1				
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)	2	2	2	2	2	2	2	2				
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	4	4	4	4	4	4	4	4				
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	2	2	2	2	2	2	2	2				
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4	4				
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2	2	2	2	2	2				
9.1004 - FLANGE, MARINE GEAR DRIVE														
	5126794	+ FLANGE	1	1	1	1	1	1	1	1				
	5119189	CONE (1.3295)	2	2	2	2	2	2	2	2				
	5180291	RETAINER (WASHER) (1.3290)	1	1	1	1	1	1	1	1				
	271630	BOLT, 3/8"-16X1 1/2" (12.9001)	1	1	1	1	1	1	1	1				
		+ OBSOLETE.												

9.1000A HYDRAULIC MARINE GEAR

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	5 4 2	5 4 3	5 4 4	5 4 5	5 4 6	5 4 7	5 4 8	5 4 9	5 5 0	5 5 1	5 5 2	5 5 3
9.1006 - COUPLING, MARINE GEAR DRIVE														
5129524	COUPLING		1	1	1	1	1	1	1	1	1	1	1	1
9409011	BOLT, 5/16"-18X3/4" (12.9001)		8	8	8	8	8	8	8	8	8	8	8	8
9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL														
5196739	+ GASKET KIT (INCLUDES NECESSARY GASKETS AND SNAP RINGS FOR ONE COMPLETE OVERHAUL)		1	1	1	1	1	1	1	1	1	1	1	1
	+ NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.													
9.1440 - COUPLING, PROPELLER DRIVE SHAFT														
	GEAR ASSEMBLIES (SEE CHART) COME WITH A 3 1/4" B.C. FLANGE; TO USE A COUPLING WITH 4 1/4" BOLT CIRCLE, FLANGE MUST BE CHANGED (SEE 9.1430).													
1B	5122654	COUPLING, 3 1/4" B.C., 1" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122655	COUPLING, 3 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122656	COUPLING, 3 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122657	COUPLING, 3 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5123209	COUPLING, 3 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128342	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128343	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128344	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109351	@ COUPLING, 3 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109352	@ COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
	5145092	BOLT, 3/8"-24X1.12" (3 1/4" B.C. COUPLING)	4	4	4	4	4	4	4	4	4	4	4	4
	5122430	BOLT, 7/16"-20X1.18" (4 1/4" COUPLING)	4	4	4	4	4	4	4	4	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	103026	NUT, 3/8"-24 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
	@ PARTIALLY MACHINED, MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.													

9.1000A HYDRAULIC MARINE GEAR

		TYPES											
PART		5	5	5	5	5	5	5	5	5	5	5	
..FIG ... NUMBER		4	4	4	4	4	4	4	5	5	5	5	
NAME AND DESCRIPTION		2	3	4	5	6	7	8	9	0	1	2	3
9.1775 - TUBE, OIL PRESSURE GAGE													
1A	5131604	* HOSE, 1/2" I.D. X 15 21/32" L. FLEX. (12.4085)											
	1508350	1	1	1	1	1	1	1	1	1	1	1	1
	119932	1	1	1	1	1	1	1	1	1	1	1	1
		FITTING, 1/8" RESTRICTED (7.4074)											
	119932	BUSHING, 3/8" X 1/8" RED. PIPE (12.9570)											
	118753	1	1	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1	1	1
		ELBOW, 1/4" TUBE - 90 DEG. (12.9480)											
		* UNITS PRIOR TO 3D-35665, 4D-36585, 6D-30358, INCLUDE 1-118753 ELBOW.											

9.1000A HYDRAULIC MARINE GEAR

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	5 5 4	5 5 5	5 5 6	5 5 7	5 5 8	5 5 9	5 6 6	5 6 7	5 6 9	5 7 1	5 7 4	5 7 6
9.1001 - GEAR ASSY., HYDRAULIC MARINE														
REFER TO ASSEMBLY BREAKDOWN AS INDICATED.														
1A	5129533	# GEAR ASSY., 2:1 RED., L.H. (PAGE B1)												
		AS3-71C (5106308)	1											
1A	5129538	# GEAR ASSY., 2:1 RED., R.H. (PAGE B1)												
		AS3-71CR (5106309)		1										
1A	5129534	# GEAR ASSY., 2.5:1 RED., L.H. (PAGE B1)												
		AS4-71C (5106310)			1									
1A	5129539	# GEAR ASSY., 2.5:1 RED., R.H. (PAGE B1)												
		AS4-71CR (5106311)				1								
1A	5129535	# GEAR ASSY., 3:1 RED., L.H. (PAGE B1)												
		AS5-71C (5106312)					1							
1A	5129540	# GEAR ASSY., 3:1 RED., R.H. (PAGE B1)												
		AS5-71CR (5106313)						1						
1B	5108252	# GEAR ASSY., 2:1 RED., L.H. (PAGE E1)												
		AS13-72 (5106320)							1				1	
1B	5108257	# GEAR ASSY., 2:1 RED., R.H. (PAGE E1)												
		AS13-72R (5106321)								1				
1B	5108250	# GEAR ASSY., DIRECT, L.H. (PAGE E1)												
		AS11-72 (5106314)									1			
1B	5108255	# GEAR ASSY., DIRECT, R.H. (PAGE E1)												
		AS11-72R (5106315)										1		
1A	5108258	# GEAR ASSY., 2.5:1 RED., R.H. (PAGE E1)												
		AS14-72R (5106323)												1
	5170507	DECAL, ROTATION INDICATING ARROW	1	1	1	1	1	1	1	1	1	1	1	1
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	6	6	6	6	6	6	6	6	6	6	6	6
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)							6	6	6	6	6	6
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6	6	6
		# NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
9.1006 - COUPLING, MARINE GEAR DRIVE														
	5129524	COUPLING	1	1	1	1	1	1						
	5126826	COUPLING							1	1	1	1		
	5128731	COUPLING												
	9409011	BOLT, 5/16"-18X3/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL														
	5196739	+ GASKET KIT (INCLUDES NECESSARY GASKET & SNAP RINGS FOR ONE COMPLETE OVERHAUL)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		+ NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.												

9.1000A HYDRAULIC MARINE GEAR

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	5 5 4	5 5 5	5 5 6	5 5 7	5 5 8	5 5 9	5 6 6	5 6 7	5 6 9	5 7 1	5 7 4	5 7 6
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
		SOME GEAR ASSEMBLIES (SEE CHART) COME WITH A 3 1/4" B.C. FLANGE; TO USE A COUPLING WITH 4 1/4" BOLT CIRCLE, FLANGE MUST BE CHANGED (SEE 9.1430).												
1B	5122654	COUPLING, 3 1/4" B.C., 1" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122655	COUPLING, 3 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122656	COUPLING, 3 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122657	COUPLING, 3 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5123209	COUPLING, 3 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128342	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128343	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128344	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5108402	COUPLING, 4 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5108403	COUPLING, 4 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5108404	COUPLING, 4 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5108273	COUPLING, 4 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109351	* COUPLING, 3 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109350	* COUPLING, 4 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109352	* COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
	5145092	BOLT, 3/8"-24X1.12" (3 1/4" COUPLING) (12.5015)	4	4	4	4	4	4	4	4	4	4	4	4
	5122430	BOLT, 7/16"-20X1.18" (4 1/4" COUPLING)	4	4	4	4	4	4	4	4	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	103026	NUT, 3/8"-24 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
		* PARTIALLY MACHINED, MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.												

9.1000A HYDRAULIC MARINE GEAR

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	5 5 4	5 5 5	5 5 6	5 5 7	5 5 8	5 5 9	5 6 6	5 6 7	5 6 9	5 7 1	5 7 4	5 7 6
9.1775 - TUBE, OIL PRESSURE GAGE														
1A	5131604	* HOSE, 1/2" I.D.X15 21/32"L. FLEX. (12.4065)	1	1	1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE - 90 DEG. (12.9480) * UNITS PRIOR TO 3D-35665, 4D-36585, 6D-30358, INCLUDE 1-118753 ELBOW.	1	1	1	1	1	1	1	1	1	1	1	1

[illegible]

9.1000A HYDRAULIC MARINE GEAR

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	577	578	579	580	581	582	583	584	585	586	587	588
9.1440 - COUPLING, PROPELLER DRIVE SHAFT														
SOME GEAR ASSEMBLIES (SEE CHART) COME WITH A 3 1/4" B.C. FLANGE; TO USE A COUPLING WITH 4 1/4" BOLT CIRCLE, FLANGE MUST BE CHANGED (SEE 9.1430).														
1B	5122654	COUPLING, 3 1/4" B.C., 1" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122655	COUPLING, 3 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122656	COUPLING, 3 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122657	COUPLING, 3 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5123209	COUPLING, 3 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128342	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128343	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128344	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5108402	COUPLING, 4 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5108403	COUPLING, 4 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5108404	COUPLING, 4 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5108273	COUPLING, 4 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109351	* COUPLING, 3 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109350	* COUPLING, 4 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109352	* COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
	5145092	BOLT, 3/8"-24X1.12" (3 1/4" COUPLING) (12.5015)	4	4	4	4	4	4	4	4	4	4	4	4
	5122430	BOLT, 7/16"-20X1.18" (4 1/4" COUPLING)	4	4	4	4	4	4	4	4	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	103026	NUT, 3/8"-24 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
* PARTIALLY MACHINED, MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.														

9.1000A HYDRAULIC MARINE GEAR

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	577	578	579	580	581	582	583	584	585	586	587	588
9.1775 - TUBE, OIL PRESSURE GAGE														
1A	5131604	* HOSE, 1/2" I.D.X15 21/32"L. FLEX. (12.4065)	1	1	1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE - 90 DEG. (12.9480) * UNITS PRIOR TO 3D-35665, 4D-36585, 6D-30358, INCLUDE 1-118753 ELBOW.	1	1	1	1	1	1	1	1	1	1	1	1

9.1000A HYDRAULIC MARINE GEAR

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	5 8 9	5 9 0	5 9 1	5 9 2	5 9 3	5 9 4	5 9 5	5 9 6	5 9 7	5 9 8	5 9 9	6 0 0
9.1001 - GEAR ASSY., HYDRAULIC MARINE														
SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.														
1B	5108254	# GEAR ASSY., 3:1 RED., L.H. (PAGE E1)												
		AS15-72 (5106324)	1											
1B	5108256	# GEAR ASSY., 1.5:1 RED., R.H. (PAGE E1)		1										
		AS12-72R (5106317)												
1B	5108258	# GEAR ASSY., 2.5:1 RED., R.H. (PAGE E1)			1									
		AS14-72R (5106323)												
1B	5108259	# GEAR ASSY., 3:1 RED., R.H. (PAGE E1)				1								
		AS15-72R (5106325)												
	5129545	# GEAR ASSY., DIRECT, L.H. (PAGE F1)					1							
		AS11-72C (5106314)												
1B	5129546	# GEAR ASSY., 1.5:1 RED., L.H. (PAGE F1)						1						
		AS12-72C (5106316)												
1B	5129547	# GEAR ASSY., 2:1 RED., L.H. (PAGE F1)							1					
		AS13-72C (5106320)								1				
1B	5129548	# GEAR ASSY., 2.5:1 RED., L.H. (PAGE F1)									1			
		AS14-72C (5106322)												
1B	5129549	# GEAR ASSY., 3:1 RED., L.H. (PAGE F1)										1		
		AS15-72C (5106324)									1			
	5129550	# GEAR ASSY., DIRECT, R.H. (PAGE F1)											1	
		AS11-72CR (5106315)												
1B	5129551	# GEAR ASSY., 1.5:1 RED., R.H. (PAGE F1)												1
		AS12-72CR (5106317)												
1B	5129552	# GEAR ASSY., 2:1 RED., R.H. (PAGE F1)												
		AS13-72CR (5106321)												
	5170507	DECAL, ROTATION INDICATING ARROW	1	1	1	1	1	1	1	1	1	1	1	1
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)	6	6	6	6	6	6	6	6	6	6	6	6
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6	6	6
		# NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
9.1006 - COUPLING, MARINE GEAR DRIVE														
	5126826	COUPLING	1	1	1	1								
	5129638	COUPLING					1	1	1	1	1	1	1	1
	9409011	BOLT, 5/16"-18X3/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL														
	5196739	% GASKET KIT (INCLUDES NECESSARY GASKETS & SNAP RINGS FOR ONE COMPLETE OVERHAUL)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		% NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.												

9.1000A HYDRAULIC MARINE GEAR

PART			TYPES											
..FIG ..	NUMBER	NAME AND DESCRIPTION	5 8 9	5 9 0	5 9 1	5 9 2	5 9 3	5 9 4	5 9 5	5 9 6	5 9 7	5 9 8	5 9 9	6 0 0
9.1440 - COUPLING, PROPELLER DRIVE SHAFT														
1B	5108402	COUPLING, 4 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5108403	COUPLING, 4 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5108404	COUPLING, 4 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5108273	COUPLING, 4 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128342	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128343	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128344	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109350	* COUPLING, 4 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109352	* COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
	5122430	BOLT, 1.18"L	4	4	4	4	4	4	4	4	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
		* PARTIALLY MACHINED, MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.												
9.1775 - TUBE, OIL PRESSURE GAGE														
1A	5131604	@ HOSE, 1/2" I.D. X 15 21/32" L. FLEX. (12.4065)	1	1	1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	119932	BUSHING, 3/8" X 1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE - 90 DEG. (12.9480)	1	1	1	1	1	1	1	1	1	1	1	1
		@ UNIT THRU 3D-35664, 4D-36584, 6D-30357 INCLUDE 1-118753 ELBOW, TO INSURE INTERCHANGEABILITY.												

9.1000A HYDRAULIC MARINE GEAR

PART ..FIG ... NUMBER		NAME AND DESCRIPTION		TYPES										
				6 0 1	6 0 2	6 1 5	6 2 1	6 2 7	6 3 4	6 3 5	6 3 8	6 4 9	6 5 6	6 5 7
9.1001 - GEAR ASSY., HYDRAULIC MARINE														
SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.														
	5129545	# GEAR ASSY., DIRECT, L.H. (PAGE F1)	AS11-72C (5106314)										1	
1A	5129546	# GEAR ASSY., 1.5:1 RED., L.H. (PAGE F1)	AS12-72C (5106316)									1		
	5129550	# GEAR ASSY., DIRECT, R.H. (PAGE F1)	AS11-72CR (5106315)											1
1A	5129551	# GEAR ASSY., 1.5:1 RED., R.H. (PAGE F1)	AS12-72CR (5106317)							1				
1B	5129553	# GEAR ASSY., 2.5:1 RED., R.H. (PAGE F1)	AS14-72CR (5106323)	1										
1B	5129554	# GEAR ASSY., 3:1 RED., R.H. (PAGE F1)	AS15-72CR (5106325)		1									
1A	5108251	# GEAR ASSY., 1.5:1 RED., L.H. (PAGE E1)	AS12-72 (5106316)			1								
1B	5162730	# GEAR ASSY., 1.9:1 RED., R.H. (PAGE G1)	AS17-72CR (5106319)				1							
1B	5130522	# GEAR ASSY., 1.9:1 RED., L.H. (PAGE C1)	AS17-72C (5106318)					1						
	5108250	# GEAR ASSY., DIRECT, L.H. (PAGE E1)	AS11-72 (5106314)						1					
	5108255	# GEAR ASSY., DIRECT, R.H. (PAGE E1)	AS11-72R (5106315)							1				
	5170507	DECAL, ROTATION INDICATING ARROW		1	1	1	1	1	1	1	1	1	1	1
	5134365	STUD (6.1020)							2	2			2	2
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)							4	4	6	6	4	4
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)		6	6	6								
	103322	LOCKWASHER, 7/16" (12.9200)		6	6	6			6	6	6	6	6	6
	456939	NUT, 7/16"-20 (12.9120)							2	2			2	2
# NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.														
9.1006 - COUPLING, MARINE GEAR DRIVE														
	5129638	COUPLING		1	1		1	1						
	5128731	COUPLING				1			1	1				
	5129524	COUPLING									1	1	1	1
	9409011	BOLT, 5/16"-18X3/4" (12.9001)		8	8	8	8	8	8	8	8	8	8	8
9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL														
	5196739	+ GASKET KIT (INCLUDES NECESSARY GASKETS & SNAP RINGS FOR ONE COMPLETE OVERHAUL)		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
+ NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.														

9.1000A HYDRAULIC MARINE GEAR

PART			TYPES										
FIG	NUMBER	NAME AND DESCRIPTION	6 0 1	6 0 2	6 1 5	6 2 1	6 2 7	6 3 4	6 3 5	6 3 8	6 4 9	6 5 6	6 5 7
9.1440 - COUPLING, PROPELLER DRIVE SHAFT													
1B	5108402	COUPLING, 4 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1
1B	5108403	COUPLING, 4 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1
1B	5108404	COUPLING, 4 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1
1B	5108273	COUPLING, 4 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1
1B	5128342	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1
1B	5128343	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1
1B	5128344	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1
1B	5109350	* COUPLING, 4 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1
	5109352	* COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1
	5122430	BOLT, 1.18"L	4	4	4	4	4	4	4	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4
		* PARTIALLY MACHINED, MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.											
9.1775 - TUBE, OIL PRESSURE GAGE													
1A	5131604	@ HOSE, 1/2" I.D. X 15 21/32" L. FLEX. (12.4065)	1	1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1
	119932	BUSHING, 3/8" X 1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE - 90 DEG. (12.9480) @ UNIT THRU 3D-35664, 4D-36584, 6D-30357 INCLUDE 1-118753 ELBOW, TO INSURE INTERCHANGEABILITY.	1	1	1	1	1	1	1	1	1	1	1