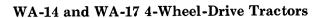


## JOHN DEERE Parts Catalog

## **WA-14 AND WA-17 TRACTORS**





## **SPECIFICATIONS**

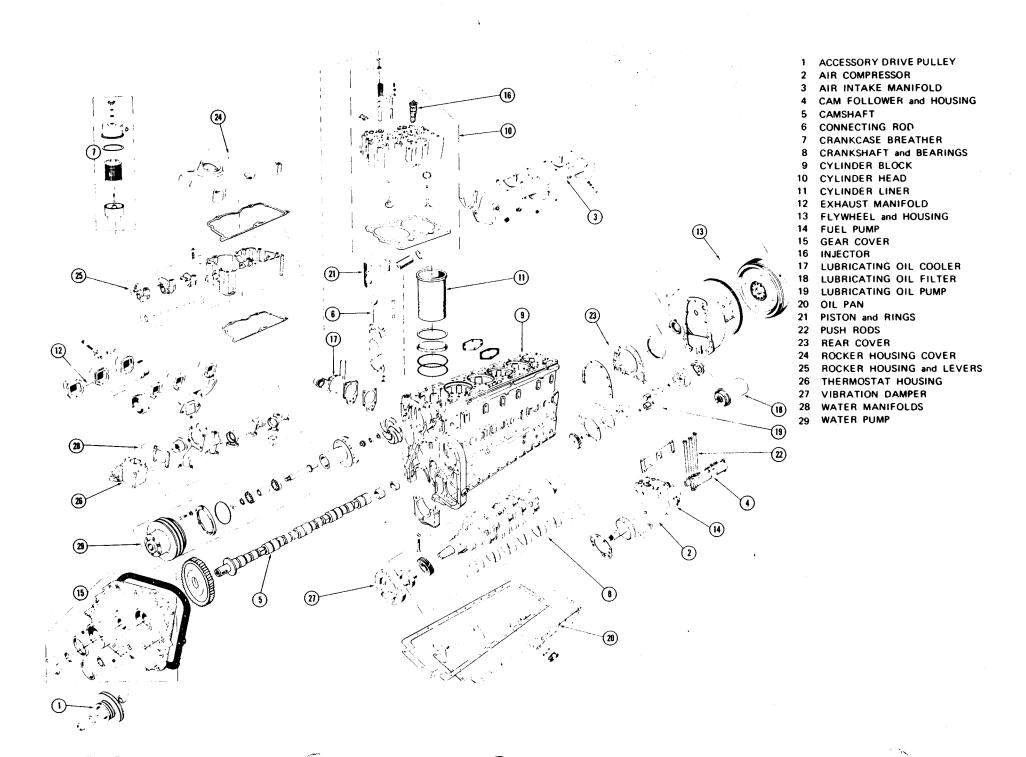
 $(Specifications\ and\ design\ subject\ to\ change\ without\ notice)$ 

PerformanceMaximum horsepower at 2,100 engine rpm (factory observed) Flywheel—WA-14: 225; WA-17: 280	Electric system 24-volt starting, 12-volt lights and accessories, two 12-volt batteries in series, charged by alternator.						
EngineCummins 6-cylinder, variable-speed, valve-in-	DrawbarSwinging type with clevis.						
head, 4-cycle Diesel Model—WA-14: N855C; WA-17: NT855C Bore and stroke—5-1/2 x 6 inches	Axles4-wheel planetary reductions in wheel hubs. Extra-heavy-duty axle is available for WA-17.						
Compression ratio—14.9 to 1 Governed speed, loaded—2,100 rpm Operating speed range—1,500 to 2,100 rpm Displacement—855 cu. in.	TiresWA-14: 18.4 x 34, 8-ply, R-1 duals 18.4 x 34, 8-ply, R-3 duals 23.1 x 30, 10-ply, R-1 singles 23.1 x 30, 10-ply, R-3 singles						
Lubrication system—Full-flow, full-pressure system, mi-	23.1 x 30, 8-ply, R-1 duals						
cronic paper element Cooling system—100-gpm pressure system with thermo- static heat control Air cleaner—Dry type with restriction indicator	23.1 x 30, 8-ply, R-3 or R-2-O duals WA-17: 28.5 x 26, 10-ply, R-1 singles 28.5 x 26, 10-ply, R-3 singles 23.1 x 30, 8-ply, R-1 duals						
Capacities (U.S. Measures):	23.1 x 30, 8-ply, R-3 or R-2-O duals						
Fuel tank—120 gallons Cooling system without heater—12-1/2 gallons Hydraulic system—52 gallons Steering reservoir—40 gallons	Ground speeds, mph (1,500 to 2,100 engine rpm):  1st 1.37 - 1.92  2nd 1.75 - 2.45  3rd 2.71 - 3.10						
<b>Transmission</b> Sliding-gear type with twin countershafts. 10 speeds forward, 2 reverse, air-assist range selector.	4th 2.80 - 3.92 5th 3.42 - 4.84 6th 4.43 - 6.22						
ClutchFoot-operated, spring-loaded, two 14-inch dry disks.	7th 5.61 - 7.88 8th 7.13 - 10.00 9th 8.90 - 12.50						
HydraulicsOpen-center system. Choice of 15-gpm engine-driven pump and dual remote control or 35-gpm power take-off-driven pump with either dual or triple remote control. Couplers, cylinders and hoses are not in-	10th 11.00 - 15.50 Rev. 1 1.78 Rev. 2 5.68						
cluded.	Dimensions WA-14 WA-17						
SteeringFull power with two double-acting hydraulic cylinders and 30-gpm hydraulic pump.	Height without cab						
Brakes4-wheel air brakes and parking brakes.	Length, over-all       21 ft. 5 in.       21 ft. 5 in.         Wheelbase       11 ft. 4 in.       11 ft. 8 in.         Clearance       1 ft. 7 in.       1 ft. 6 in.						

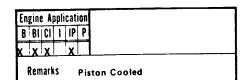
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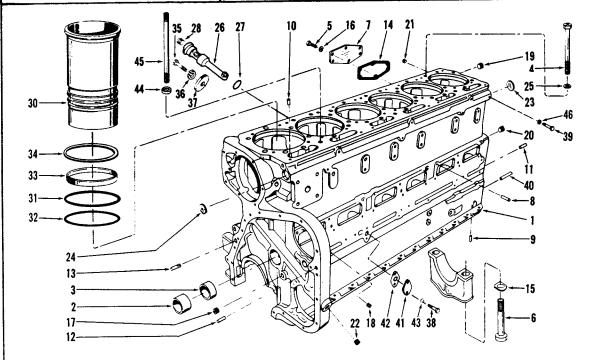
Air Cleaner	Fuel Pump Da
Air Compressor	Fuel Pump
Air Connections	Fuel Tubing
Alternator	Gasket Sets
Aneroid Control	Gear Cover
Bendix – Westinghouse Air Compressor	Generator
	Glow Plug
Camshaft	Hand Priming
Camshaft Bushing	Injector .
Cam Follower	Instrument Pa
Cam Follower Housing	Intake Manifo
Compression Release	Lubricating O
Connecting Ros	Lubricating C
Corrosion Resistor	Lubricating C
Cover Plate	Lubricating C
Crankcase Breather	ū
Crankshaft	Lubricating C
Cylinder Block	Main Bearing
Cylinder Head	Oil Pan
Cylinder Liner	Pistons
Dipstick	Piston Rings
Drive Pulley	Push Rods
Exhaust Manifold	Radiator .
	Rear Cover
Fan	Rocker Lever
Fan Bracket	Rocker Lever
Fan Guard	Shutdown Va
Fan Hub	Starting Moto
Flywheel Housing	Thermostat a
Flywheel Housing Support	Turbocharger
Flywheel and Ring Gear	•
Front Engine Support	Vibration Da
Fuel Filter	Voltage Regu
Fuel Gear Pump	Water Connec
Fuel Pump Drive	Water Pump

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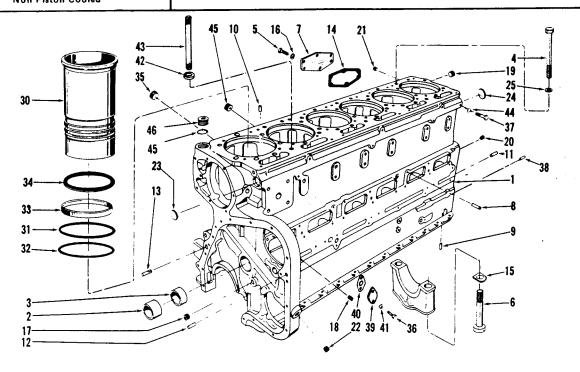


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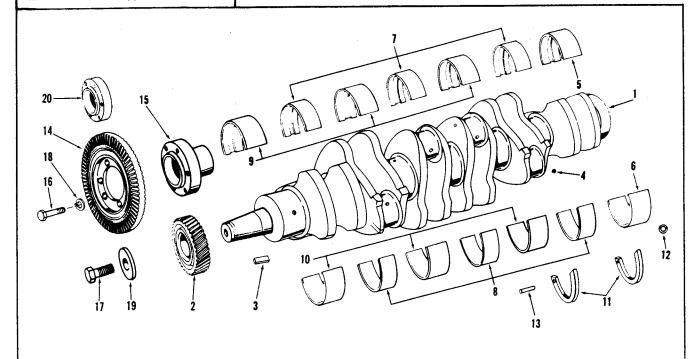


Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
AR-02162 BM-17153 100670 157870 177734 S-114 105953 132019 68585 67294 67211 68445 9226 60408 70653 70089-1 9427 S-600 S-908 S-911-B S-966-E 69901 S-915-A S-719 S-716 69699	CYLINDER BLOCK  Block, cylinder (180905) Bushing, assembly, camshaft Bushing Bushing Capscrew, cylinder head Capscrew, water header cover Capscrew, main bearing cap Cover, water header Dowel, cam follower housing to block Dowel, main bearing Dowel, main bearing Dowel, main bearing cap to block Dowel, main bearing cap to block Dowel, fix wheel housing Dowel, fear cover Dowel, gear cover (Diamond) Gasket, water header cover Lockplate Lockwasner, water header cover Plug, pipe (1/8") Plug, pipe (1/8") Plug, pipe (1/4") Plug, pipe (1/4") Plug, pipe (1/4") Plug, pipe (1/2") Plug, expansion Plug, expansion Washer, cylinder head	1 1 6 36 12 14 2 6 2 14 12 6 4 8 5 3 5 1 1 36	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	S-2286 S-679 143938 143939 143946	Nozzle, piston cooling assembly Capscrew (5/16-24 x 3/4") Nozzle "O" ring Plug, pipe (1/8") Lockwasher (5/16") Washer  MOUNTING PARTS  Capscrew (3/8-24 x 1") Capscrew (3/8-24 x 5/8") Dowel, rear cover plate Flange, oil pan Gasket, suction flange Lockwasher (3/8") Liner, cylinder Nameplate "O" ring Pipe, lubricating oil Ring, packing Ring, packing Seal, crevice Screw, nameplate Washer (25/64")  Shim, liner (.007") Shim, liner (.009") Shim, liner (.020") Shim, liner (.031") Shim, liner (.062")	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	39 40 41 42 43 30 44 45 31 32 33 46 34 34 34 34 34



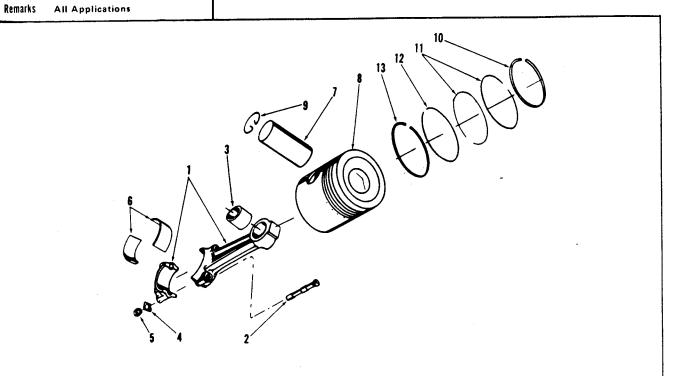
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	CYLINDER BLOCK				MOUNTING PARTS		
AR-02160 BM-27253 100670 157870 177734 S-118-A S-114 105953 132019 68585 67211 68445 9226 60408 70653 70089-1 9427 S-600 199067 S-908 S-995 S-911-B S-966-E S-901 S-962 69901 S-910-B S-915-A S-719 S-716 69699	Block, cylinder (180904) Bushing assembly, camshaft Bushing Bushing Capscrew, cylinder head Capscrew (1/4-20 x 5/8") Capscrew, water header cover Capscrew, main bearing cap Cover, water header Dowel, cam follower housing to block Dowel, main bearing cap to block Dowel, head to block Dowel, flywheel housing Dowel, gear cover Dowel, gear cover (Diamond) Gasket, water header cover Lockplate Lockwasher, water header cover Plug, pipe Plug, pipe (3/8") Plug, pipe (1/8") Plug, pipe (1/8") Plug, pipe (1/8") Plug, pipe (1/4") Plug, pipe (1/2") Plug, expansion Plug, expansion Washer, cylinder	1 1 1 6 36 12 14 2 6 2 1 1 2 14 1 2 1 1 1 1 1 1 2 1 1 1 1 1	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 45 18 19 35 20 21 22 23 24 25	S-129 S-190-C 67294 132648 67963 S-604 183050 159380 156545 68910 69304 133029 183048 183049 183056 S-2286 S-679  143938 143939 143946 143947 143948 143949	Capscrew (3/8-24 x 1") Capscrew (3/8-24 x 5/8") Dowel, thrust ring Flange, oil pan Gasket, suction flange Lockwasher (3/8") Liner, cylinder Nameplate "O" ring "O" ring Plug, water by-pass Pipe, lubricating oil Ring, packing Ring, packing Seal, crevice Screw, nameplate Washer (25/64")  Shim, liner (.007") Shim, liner (.009") Shim, liner (.020") Shim, liner (.031") Shim, liner (.062")	2 1 2 1 1 2 6 1 3 1 1 3 6 6 6 6 6 1 RRA/RRA/RA/RA/RA/RA/RA/RA/RA/RA/RA/RA/RA	36 37 38 39 40 41 30 42 45 46 43 31 32 33 44 34 34 34 34

Engine Ap	plicatio	on	
B BI CI	1 19 1	P	
XXX	X		



Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	CRANKSHAFT				VIBRATION DAMPER		
	All Applications				Piston Cooled—B, BI, IP Applications Non Piston Cooled—B, BI, CI	•	
AR-06062	Crankshaft assembly	1	,		Applications		
196410	Crankshaft	1	1 2	1.45700	Domest vibration	1	14
142804	Gear, crankshaft	1	3	145789 175183	Damper, vibration	1	15
9300-1	Key, gear	6	4	S-163-B	Flange, crankshaft Capscrew (1/2-20 x 1-1/8")	6	16
S-911-B BM-28978 *	Plug, pipe (1/8") Set, main bearing	1	"	S-608	Lockwasher (1/2")	6	18
44387	Shell, main bearing			3-000	LOCKWasilei (1/2 /	U	10
44367	(No. 7, upper)	1	5		Piston Cooled-CI Applications		
44388	Shell, main bearing	,			riston cooled—Ci Applications		
44300	(No. 7, lower)	1	6		Same as above except:		
44385	Shell, main bearing				Same as above except.		
44303	(No. 2, 4 and 6, upper)	3	7	69952	Capscrew (1/2-20 x 2")	6	16
44386	Shell, main bearing		1	154918	Spacer, vibration damper	1	20
+-500	(No. 2, 4 and 6, lower)	3	8	101010	opacer, visiation damper		
44383	Shell, main bearing						
1000	(No. 1, 3 and 5, upper)	3	9				1
44384	Shell, main bearing						
	(No. 1, 3 and 5, lower)	3	10			ĺ	
157.280	Ring, thrust	4	11				
60575	Dowel, ring	7	12				
67294	Dowel, thrust ring	2	13				}
*	Main bearings may be purchased					<b>!</b> 	
	in .010", .020", and .040"						
	undersize.						
	MOUNTING PARTS						
140410	Capscrew (3/4-16 x 1-3/4")	1	17				
140411	Retainer	i	19			1	
		-					ĺ
							ĺ

Eng	gine	A	pli	cat	ion
8	BI	CI	1	IP	P
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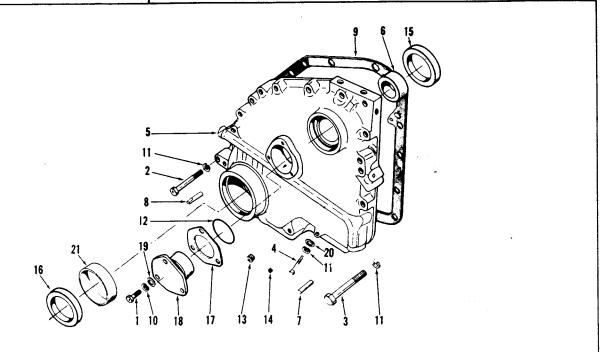


Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	CONNECTING ROD				RINGS	:	
BM-52474 9195-3 187420 112611 69936 139620 *	Connecting rod assembly (121579) Bolt, connecting rod Bushing, piston pin Lockplate Nut Shell, connecting rod bearing	6 12 6 12 12 12	1 2 3 4 5 6	122560	Ring set, piston (standard) Ring, compression Ring, compression Ring, compression Ring, compression	6 6 12 6 6	10 11 12 13
AR-03530 191970	PISTON  Piston assembly Pin, piston	6 6	7				
147540 61908	Piston Ring, snap	6 6					:
*	Connecting rod bearing shells may be purchased in .010", .020", .030" and .040" oversize.						
Note:	Piston and Piston Rings in .020", .030" and .040" oversize are available by special order only.						and the same state of the same
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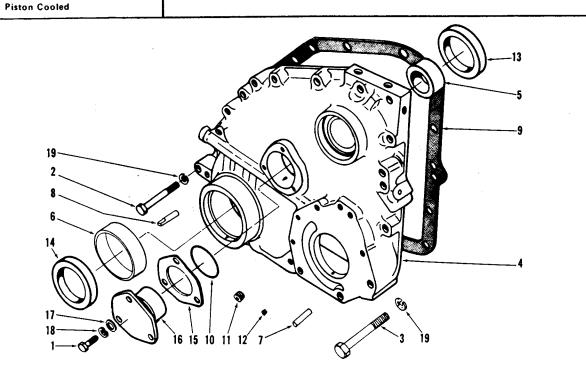
Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
REAR COVER				CAMSHAFT		
All Applications				Piston Cooled B, BI, CI, IP Applications		
Cover, rear Capscrew (3/8-24 x 7/8") Capscrew (3/8-24 x 1-1/2") Gasket (.005") Lockwasher (3/8") Seal, rear oil	1 6 2 A/R 8 1	1 2 3 5 6 7	143450 156226 69550 S-911-B 9235-1	Camshaft Gear, camshaft Key, gear Plug, pipe (1/8'') Washer, thrust	1 1 1 2	8 9 10 11 12
				Non Piston Cooled B, BI, CI Applications		
				Same as above except:		
			129860 109072 68193	Camshaft Gear, camshaft Plug, pipe (1/8'')	1 1 1	9
• :						
· ·						
	REAR COVER  All Applications  Cover, rear Capscrew (3/8-24 × 7/8") Capscrew (3/8-24 × 1-1/2") Gasket (.005") Lockwasher (3/8")	Part Name         Req.           REAR COVER         Image: Cover of the control of the co	Part Name         Req.         No.           REAR COVER         Image: Cover of the content of	Part Name         Req.         No.         Number           REAR COVER         Image: Cover of the content of the co	REAR COVER	Part Name         Req.         No.         Number         Part Name         Req.           REAR COVER         Image: Composition of the part Name         CAMSHAFT         Image: Camshaft of the part Name         CAMSHAFT           All Applications         Image: Composition of the part Name         Piston Cooled B, BI, CI, IP Applications         Image: Camshaft of the part Name         Image: Camshaf

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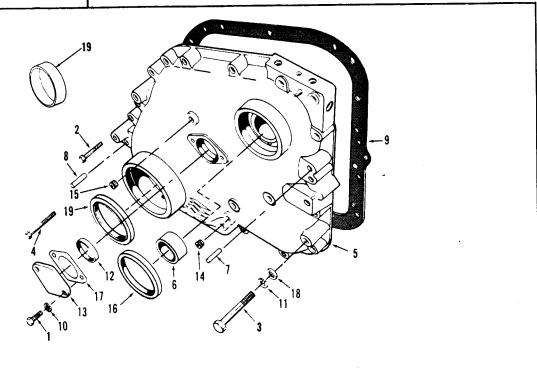
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
S-112	GEAR CASE COVER  Capscrew (3/8-16 x 1")	3	1				
S-119-C S-196-A 100915 AR-00393 68226-1 132770 60408 70653 134276 S-604 S-610 65260 S-908 69901 149488 176927 185573 65259-A 65259-B 65259-C 150002	Capscrew (7/16-20 x 3-1/4") Capscrew (7/16-20 x 2-3/4") Capscrew (7/16-20 x 2") Cover, gear case (174320) Bushing, trunnion Bushing Dowel Dowel Dowel Casket, gear cover Lockwasher (3/8") Lockwasher (7/16") Packing Plug, pipe (3/8") Plug, pipe (1/8") Seal, crankshaft oil Shim, insert Shim Shim Support	1 3 13 1 1 1 1 1 3 17 1 3 17 1 1 1 1 1 1	11 12 13 14 15 16 17 17 17				
S-602 S-622	Washer, plain (13/32") Washer, plain (15/32")	3 17	19				The second of th

B	BI	CI	1	ΙP	P			
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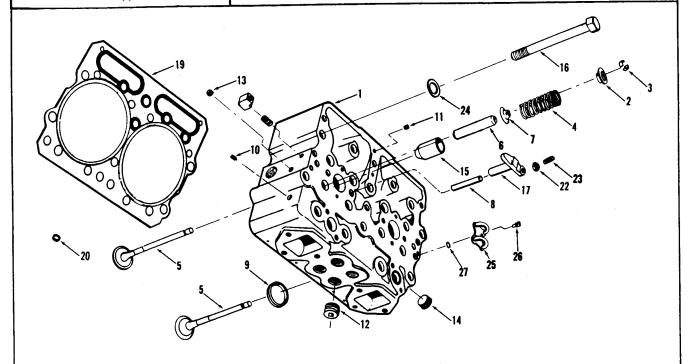
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	GEAR CASE COVER						
S-112 S-131-C 100915 BM-79818 68226-1 132770 60408 70653 134276 S-604 S-610 65260 S-908 69901 149488 176927 185573 68259-A 65259-B 65259-C 150002 S-602	Capscrew (3/8-16 x 1") Capscrew (7/16-20 x 2-1/2") Capscrew (7/16-20 x 2") Cover, gear case (161199) Bushing, trunnion Bushing Dowel Dowel Gasket, gear cover Lockwasher (3/8") Lockwasher (7/16") Packing Plug, pipe (3/8") Plug, pipe (1/8") Seal, oil Seal, crankshaft oil Shim (.010") Shim (.005") Shim (.002") Support, crankshaft Washer, plain (13/32")	35 12 1 1 1 1 1 3 17 1 3 2 1 1 1 1 A/R A/R A/R 3	1 2 3 4 6 5 7 8 9 8 9 18 10 11 12 13 14 15 15 16 17				

n	gine	À	pli	cat	noi			
В	BI	CI	١	ΙP	P			
X	χ	X						 
1	Ren	iark	S		Νo	n Piston (	ooled	

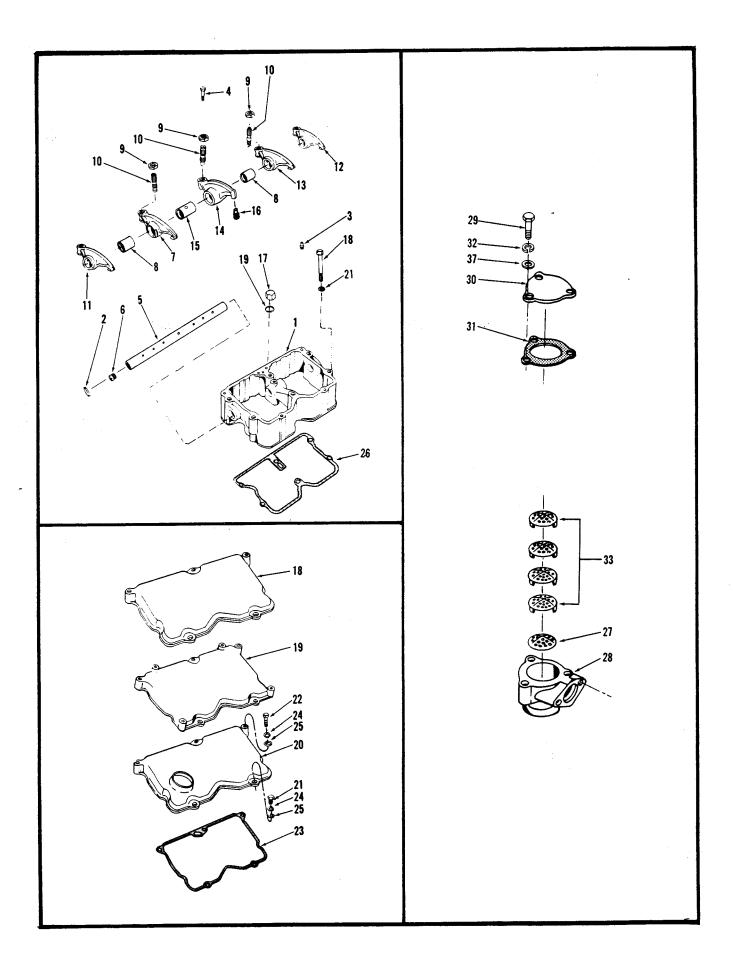


Part	No.	Ref.	Part	Part Name	No.	Ref.
Number Part Name	Req.	No.	Number		Req.	No.
		No.  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 19 17 17 17 17		Part Name		

Eng	gine	: A	ppli	cat	on
8	BI	CI	T	IP	P
X	X	X		X	



Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	Part Name  CYLINDER HEAD  Piston Cooled B, BI, CI, IP Applications  Head, cylinder (135541) Guide, valve spring Half-collet, valve Spring, valve Valve, intake and exhaust Head, cylinder, assembly (135541) less valves) Guide, valve stem Guide, valve stem Guide, valve spring Guide, crasshead valve Insert, valve seat Plug, fuse Plug, pipe (1/16") Plug, pipe (1/8") Plug, pipe (1/8") Plug, pipe (3/4") Sleeve, infector	1			Part Name  MOUNTING PARTS  All Applications  Capscrew, head to block (11/16-16 x 6-3/8") Crosshead, valve Gasket, cylinder head (129978) Grommet, water Nut (3/8") Screw, crosshead adjusting Washer, cylinder head  Crossover, fuel assembly Capscrew, springtite "O" ring		16 17 19 20 22 23 24 25 26
BM-65356 135957	Piston Cooled—B Applications (2100 R.P.M.) Non Piston Cooled— B, BI, CI Applications  Same as acove except:  Head, cylinder (135541) Valve, intake	3 12	1 5				

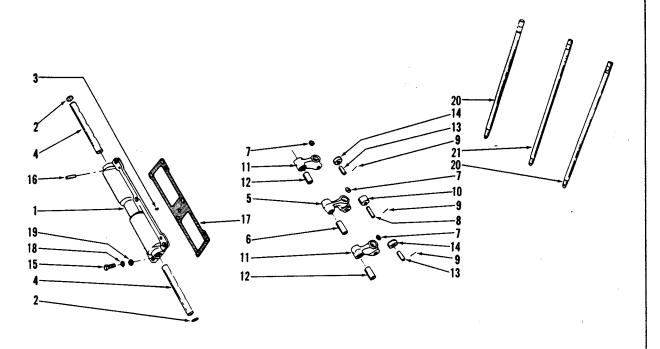


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В	BI	CI	ı	IP	P
X	X	X		X	

Remarks

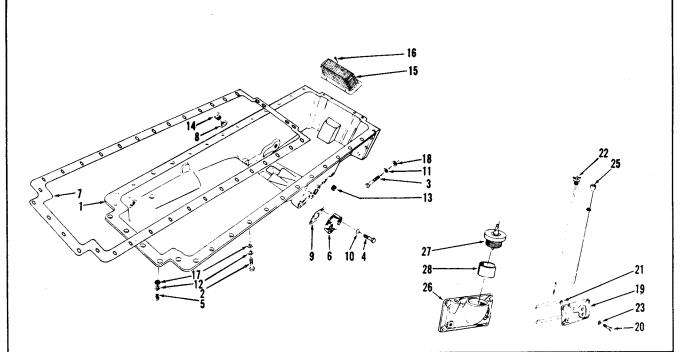
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	POCKER LEVERS				BREATHER		
AR-03315 AR-03312 194525 175830 62229 168319 BM-68740 161825 BM-95148 BM-95143 140330 S-212 168306 AR-02308 AR-02308 AR-02307 169353 136956 S-212 168306 BM-95149 BM-95142 140330 S-212 168306 BM-95159 BM-95159 BM-95158 140330 S-212 168306 BM-95159 BM-95159 BM-95159 BM-95159 BM-95159 S-212 168306	All Applications  Housing rocker lever assembly Housing, rocker lever Housing Plug, expansion Plug vent Screw, rocker lever (140297) Plug, shaft Lever, valve Lever and bushing (168804) Bushing Nut, adjusting Screw, adjusting Lever, injector Lever and bushing (190253) Bushing Socket, injector Nut Screw, adjusting Lever, valve Lever and bushing (168802) Bushing Nut Screw, adjusting Lever, valve Lever and bushing (168805) Bushing Nut Screw, adjusting Lever, valve Lever and bushing (168805) Bushing Nut Screw, adjusting Lever, valve Lever and bushing (168803) Bushing Nut Screw, adjusting Lever, valve Lever and bushing (168803) Bushing Nut Screw, adjusting Lever, valve Lever and bushing (168803) Bushing Nut Screw, adjusting Lever, valve Lever and bushing (168803) Bushing Nut Screw, adjusting Piston Cooled B, BI, CI Applications Non Piston Cooled	333633363333333333333333333333333333333	1 2 3 4 5 6 12 8 9 10 14 15 16 9 10 13 8 9 10 13 8 9	250729 105021 122133 S-167-A 122136 122135 S-600 105019 S-115 S-181-B 69911-A S-604 S-605 109489 127415 114307 S-114 S-129 S-205 120919 70704	Breather, crankcase, assembly Baffle Body Capscrew, cover to body Cover Gasket Lockwasher (1/4") Screen Capscrew (5/16"-18 x 7/8") Capscrew (3/8"-16 x 1/2") Clamp, tube Lockwasher (5/16") Support, tube Tube, breather vent  IP Application Same as piston cooled B application except:  Bracket, tube clip Capscrew (1/4"-20 x 3/4") Capscrew (3/8"-24 x 1") Nut (3/8"-24) Tube, breather vent Washer, plain (1/4")	1 1 1 3 1 1 3 4 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	30 31 32 33 34 35
176914 170226 107981 120516 150858 S-137 S-112 S-118-A 149628 149768 150326 150327 149651 187589 S-600 S-604 S-608 151127 S-602 158208 193213	Bracket, lifting Bracket, lifting Cap. oil filler (less chain) Caps, oil filler (with chain) Capscrew, bracket Capscrew, housing Capscrew, cover (3/8"-16 x 2") Capscrew, cover (3/8"-16 x 1") Capscrew, heat shield (1/4"-20 x 5/8") Cover (center) (less heat shield) Cover (center) (with heat shield) Cover (front) Cover (rear) Gasket, cover Gasket, housing to head Lockwasher, heat shield (1/4") Lockwasher (3/8") Lockwasher (1/2") Shield, heat Washer, plain (13/32") Washer, housing to head Gasket	1 1 1 1 8 1 2 9 6 6 4 1 1 1 1 3 3 3 4 4 1 1 5 8 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21 22 18 19 20 23 26 24 25				

gine Applicatio	n	
BI CI I IP	7	
x x x	24	



Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	CAM FOLLOWERS				All Applications		
	Piston Cooled B, BI, CI, IP Applications			S-129	MOUNTING PARTS  Capscrew (3/8-24 x 1")	18	15
BM-67009 138808 175831 69736 42443 BM-37621	Housing, cam follower, assembly Housing, cam follower Plug, expansion Screw, shaft Shaft, cam follower Cam follower, injector	3 3 6 6 6 6 6	1 2 3 4	9228 68585 120819 9266-A	Dowel, housing to block Gasket (.026") Gasket Lockwasher (3/8") Washer, plain (13/32")	2 6 A/R A/R 18	16 17 17 18
BM-37496 118377	Cam follower and bushing (108169) Bushing	6 6	5 6		PUSH TUBES		.0
107738 68512 118939 7348-2	Insert, cam follower Pin, roller Pin, roll Boller	6 6 6	7 8 9 10	BM-47778 BM-47779	Tube assembly, intake and exhaust Tube assembly, injector	12 6	
BM-37634 BM-37633	Cam follower, intake and exhaust Cam follower and bushing (120543)	12	11		NOTE: Engines using Compression Release		
118378 107738	Bushing Insert, cam follower	12 12 12 12	12 7	ADD:			
68513 118939 9260-1	Pin, roller Pin, roll Roller	12 12 12	13 9 14		Tube, push	6	
	Non Piston Cooled B, BI, CI Applications			BM-47778	Tube, push	6	
	Same as Piston Cooled application	except:					
BM-37625 44035	Housing, cam follower, assembly Housing, cam follower	3					

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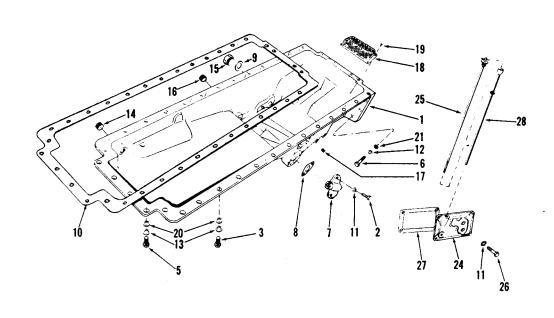


Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	OIL PAN				DIPSTICK BRACKET		
	B Application				B, B1 Applications		
132514 70349 105574 108707 185804 187059 5083 67946 67963 HS1602206MS HS1602946MS S-604 S-605 S-610 S-915-A 110907 20622 S-1354 S-602 S-622 S-622 S-626	Pan, oil Capscrew, pan to block (7/16-20 x 1-3/8") Capscrew pan to rear cover (5/16-24 x 2-1/4") Capscrew (3/8-16 x 1-1/2") Capscrew, pan to gear cover Flange, oil suction Gasket, oil pan Gasket, drain plug Gasket Hose, lubricating oil Lockwasher (3/8") Lockwasher (5/16") Lockwasher (7/16") Plug, pipe (1/2") Plug, drain Screen, lubricating oil plate Screw, plate to screen Washer, plain (13/32") Washer, plain (15:32")	1 28 4 4 4 2 1 1 1 2 1 1 4 5 34 2 1 2 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 2 3 4 4 5 6 6 7 3 9 10 11 12 13 14 4 15 16 17 18	131998 S-112 65274 101368 S-604 S-915-A 101814	Bracket, dipstick Capscrew (3/8-16 x 1") Gasket Gauge, dipstick Lockwasher (3/8") Plug, pipe (1/2") Tube, dipstick  IP Application Same as above except: Bracket, oil filler Cap, oil filler Tube, oil filler	1 4 1 1 4 A/R 1	19 20 21 22 23 25
132515	BI, IP Applications  Same as above except:  Pan, oil	1					

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В	BI	CI	1	IP	P
X	X				

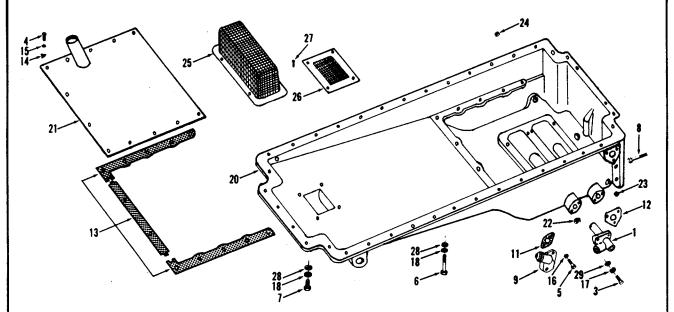
Non Piston Cooled

Remarks



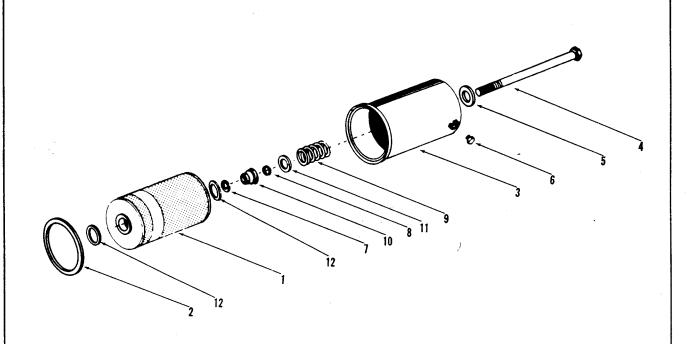
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
152411 S-120 70349 185804 105574 179688 5083 157551 67946 HS1602506MS S-604 S-6010 S-605 S-995 110907 S-915-A S-908 20622 S-1354 S-602 S-602 S-622 S-622 S-626	B Applications  Pan, oil Capscrew (3/8-16 x 1-3/4") Capscrew (7/16-10 x 1-3/8"), pan to blcok Capscrew (7/16-14 x 1-3/8") Capscrew (5/16-24 x 2-1/4"), pan to rear cover Flange, oil suction Gasket, oil pan Gasket, suction flange Gasket, drain plug Hose, lubricating oil Lockwasher (3/8") Lockwasher (5/16") Plug, pipe (3/4") Plug, pipe (3/4") Plug, pipe (3/8") Screen, suction plate Screw Washer, plain (13/32") Washer, plain (11/32") BI Application Same as above except: Pan. oil	1 2 28 4 1 1 1 1 2 34 1 1 1 4 2 34 4 1	1 2 3 5 6 7 10 8 9 11 13 12 14 15 16 17 18 19 20 21	131998 158649 S-112 65274 S-604 S-915-A 101814	B Application  Bracket, dipstick Dipstick Capscrew (3/8-16 x 1") Gasket Lockwasher (3/8") Plug, pipe (1/2") Tube, dipstick  BI Application  Same as above except: Dipstick	1 1 4 1 A/R 1	28

	В	BI	CI	1	IP	P			
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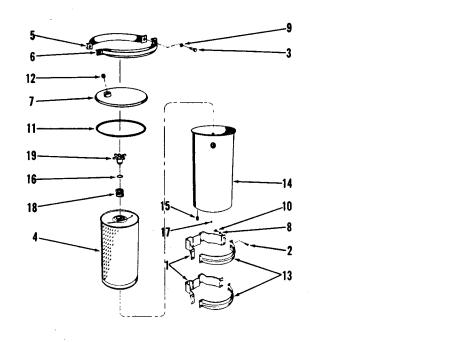
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	OIL PAN				DIPSTICK		:
	Piston Cooled				Piston Cooled, Non Piston Cooled	Ì	
139745 129569 S-102 S-118-A S-137 70349 185804 105574 108707 187059 5083 67963 110453 121379 68908-A S-600 S-604 S-605 S-610 121378 S-962 S-924 S-995	Pan, oil Aerator, oil pan Capscrew (5-1/16"-18 x 1") Capscrew (1/4-20 x 5/8") Capscrew, flange Capscrew, flange Capscrew (7/16-20 x 1-3/8"), pan to block Capscrew (7/16-14 x 1-3/8"), pan to gear cover Capscrew (5/16-24 x 2-1/4"), pan to rear cover Capscrew (3/8-16 x 1-1/2") Flange, lubricating oil Gasket bil pan Gasket, lubricating oil flange Gasket, baffle plate Lockplate, capscrew Lockwasher (1/4") Lockwasher (3/8") Lockwasher (5/16") Pluckwasher (7/16") Plug, pipe (1") Plug, pipe (1") Plug, pipe (1/2") Plug, pipe (3/4")	1 1 3 12 4 28 4 4 2 2 1 1 1 1 1 2 4 7 34 1 1 1 2 1 2 1 2 1 1 1 2 1 2 1 1 1 2 1 2 1 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 5 6 7 8 9 11 12 13 14 15 16 17 18 21 22 32 44	67944 S-915-B 67950 S-987 HS1603146MS HS1602406MS HS1602906MS S-600 S-939-B S-251 S-1315	Bracket, dipstick Capscrew (3/8-16 x 1") Gasket Gauge, dipstick Lockwasher (3/8") Plug, pipe (1/2") Tube, dipstick  LUBRICATING OIL HOSE  Piston Cooled  Adapter, hose Bushing Clamp, hose Clip, hose Elbow Hose Hose Lockwasher (1/4") Nipple Nut Screw	1 4 4 1 1 4 A/R 1 1 4 2 4 4 1 1 2 2 4 2 2 2	
20622 110454 S-1354	Screen, lubricating oil plate Screen, zil pan Screw	2 1 12	26	:	Non Piston Cooled  Same as above except:		
S-602 S-622 S-626	Washer, plain (13/32'') Washer, plain (15/32'') Washer, plain (11/32'')	34 4	28	108709 113151	Capscrew (3/8-16 x 1/2'') Capscrew (7/16-20 x 1-1/2'') Clamp, hose	1 1	
	Non Piston Cooled			HS1602506MS HS1603406MS	Hose		1
121377	Same as above except: Pan, oil	1		S-604 68038	Lockwasher (3/8'') Support, hose		

B	BI	CI	1	IP	P	•
X	X	X	_	X		



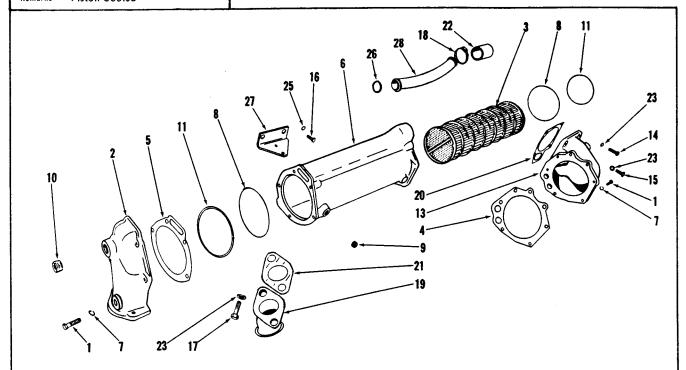
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
BM-94090 LF-516 153514 153528 165286 153516 153517 8265 69901 S-16245 153518 153519 153521 153520	Piston Cooled B, BI, CI, IP Application Non-Piston Cooled CI Applications  Filter, lubricating oil, assembly Cartridge (paper) Seal, cartridge Seal, shell to filter head Shell and bolt Shell (153513) Bolt Gasket, copper Plug, pipe (1/8") Ring, snap Seal, bolt Spring, cartridge Support, cartridge Washer, bolt	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 12 2 3 4 5 6 7 8 9 10 11	AR-01058 LF-516 153514 173368 179599 179600 8265 S-901 S-16245 153518 173313 173176 153521 153520 NOTE	B, BI Applications Non Piston Cooled  Filter, lubricating oil, assembly Cartridge (paper) Seal, cartridge Seal, shell to filter head Shell and bolt Bolt Gasket, copper Plug, drain Ring, snap Seal, bolt Shell Spring, cartridge Support, cartridge Washer, bolt  For remote mounted lubricating oil filter see page 51.	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 12 2 4 5 6 7 8 3 9 10 11

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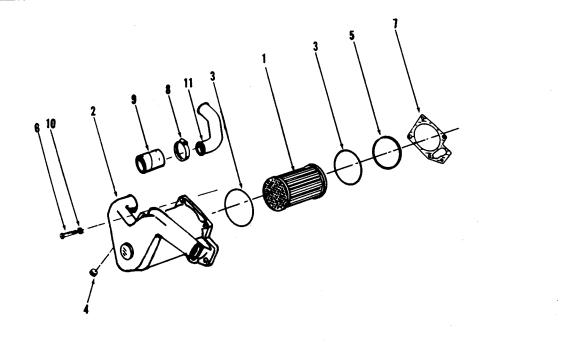
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	BY-PASS FILTER						
150700	Piston Cooled - Non Piston Cooled Filter, lubricating oil	1				! * *	:
159706 145664 70188 70223 LF-750 150038 150039 159667 70189 70194 70299 164159 S-908 145665 252057	Bracket, mounting Capscrew, bracket Capscrew, coupling half Cartridge Coupling half with nuts Coupling half, cover Cover Lockwasher, bracket Lockwasher, coupling half Nut, bracket """ ring cover Plug, cover Strap, mounting Shell, filter	28 21 11 18 22 8 11 12 21 1	1 2 3 4 5 6 7 8 9 10 11 12 13 14				
157152 S-908 252138 116029 131911 150037 252055	Decal, filter Plug, drain Support, upper "O" ring, support Orifice, plug Spring, hold down Support, upper	1 1 1 1 1	15 16 17 18 19				
	*.						

ngine Applica	tion	
B BI CI I II	P	
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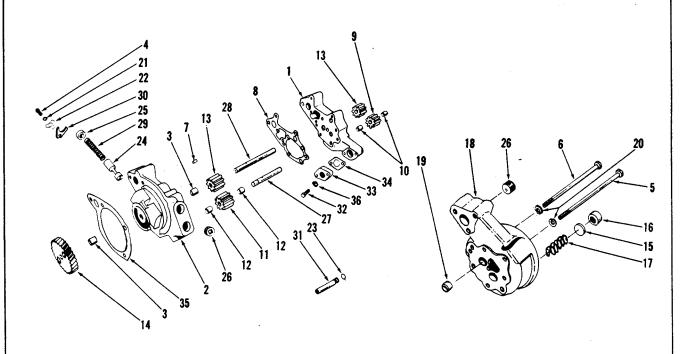
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	Part Name  LUBRICATING OIL COOLER  B, BI, CI, IP Applications  Cooler assembly, lubricating oil Capscrew, cover and support to housing (3/8"-16 x 1 1/4")  Cover, oil cooler  Element, cooler  Gasket, support to housing  Gasket, cover to housing  Housing, cooler				Part Name  MOUNTING PARTS  Capscrew, support to block (3/8"-16 x 1 1/4") Capscrew (3/8"-16 x 3 1/4") Capscrew (5/16"-18 x 7/8") Capscrew (1/2"-13 x 1 1/4") Capscrew, connection to cover (3/8"-16 x 1") Clamp, hose Connection, water inlet Elbow	,	14 15 16 17 18 19
S-604 S-908 S-995 187777 63322 180565	Lockwasher (3/8") Plug, pipe (3/8") Plug, pipe (3/4") Ring, sealing Spacer Support, lubricating oil cooler	12 2 3 2 1 1	7 9 10	68645 121779 9221 63495 S-604 S-605 S-608 43463-A 142631 146311	Gasket, cooler support to block Gasket, water connection Hose, water by-pass Lockwasher (3/8") Lockwasher (5/16") Lockwasher (1/2") "O" ring, water by-pass tube Support Tube, water by-pass	1 1 1 7 2 2 2 1 1 1 1 1 1	20 21 22 23 25 26 27

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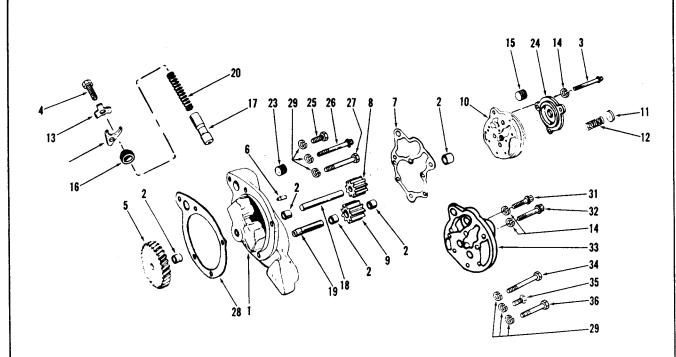
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	LUBRICATING OIL COOLER						
AR-00875 110848 183753 148293 S-910-B 110827	Cooler assembly, lubricating oil Element, cooler Housing "O" ring Plug, pipe (1/4") Retainer, "O" ring	1 1 1 2 1	1 2 3 4 5				
S-103-D	MOUNTING PARTS  Capscrew (3/8"-16 x 1 1/4")	5	6				
43828-B 121779 63495 S-604 21133	Clamp, hose Gasket Hose Lockwasher (3/8") Pipe, water by-pass	1 2 5 1	8 7 9 10 11				

<b>Engine Application</b>										
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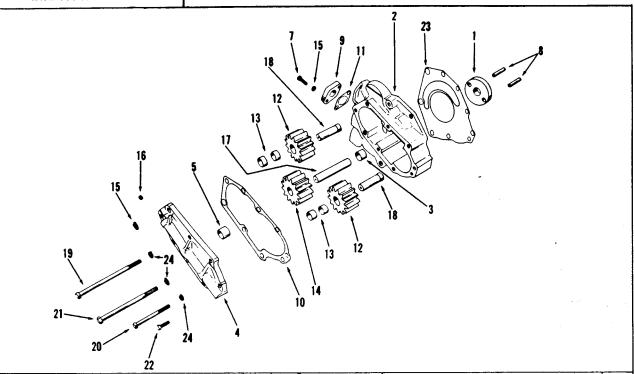
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	LUBRICATING OIL PUMP	     					
	Piston Cooled B, BI, CI, IP Applications						
BM-94088 151917 BM-66816 68586 S-109 S-130-A S-169-A S-199-A	Pump, oil, assembly Body, inner Body and bushing (164163) Bushing Capscrew (3/8"-16 x 7/8") Capscrew (3/8"-16 x 5 1/4") Capscrew (3/8"-16 x 4 1/2") Capscrew (3/8"-16 x 4")	1 1 1 2 1 3 2 1	1 2 3 4 5 6	164164 68274 126304 134736 185696	Shaft, drive spring, by-pass valve Yoke, retaining "O" ring Tube, piston-cooling oil  Non Piston Cooled C1 Applications	1 1 1 1 1	,
S-196-A 101662 69519 151911 BM-20443 68586 BM-63818 68586	Capscrew (7/16"-20 x 2 3/4") Capscrew (5/16"-18 x 4 1/2") Dowel Gasket, housing Gear and bushing (68589) Bushing Gear and bushing (133827) Bushing	1 2 2 2 1 2 1 2	7 8 9 10 11 12	BM-94082 BM-66076	Same as above except:  Pump, oil assembly Body and bushing (164162)  All Applications	1	2
68586 68588 133855 BM-94081 153525 153526 251152 BM-94080 68586 S-604 S-605 109319 127558 134596 S-995 S-908 133848	Gear, impeller drive Gear, main drive Head, filter Disc, by-pass Seat, by-pass Spring Head, filter (169651) Bushing Lockwasher (3/8") Lockwasher (5/16") Lockplate Plunger, regulator Plug, by-pass valve Plug, pipe (3/4") Plug, pipe (3/8") Shaft, idler	2 1 1 1 6 2 1 1 1 2 1 1 1	13 14 15 16 17 18 19 20 21 22 24 25 26	S-101-A 69960 169657 S-103-D 134284 134285 121907 S-604 S-610	MOUNTING PARTS  Capscrew (7/16"-20 x 1") Capscrew, hex head Capscrew, hex head Capscrew (3/8"-16 x 1 1/4") Flange, scavenger pump Gasket, flange to body Gasket, pump to block Lockwasher (3/8") Lockwasher (7/16")	2 1 1 2 1 1 1 1 2 5	32 33 34 35

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-	en	ark	s		No	n Piston Cooled



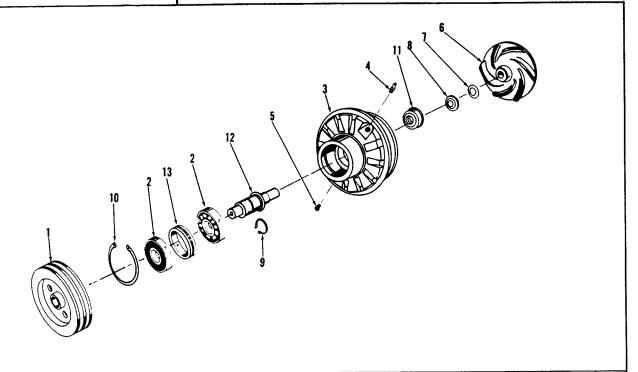
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
AR-01059 AR-01017 68586 191772 S-109 BM-20443 68586 69519 173161 68588 125988 AR-01018 68586 153525 251152 109319 S-604 173163 S-908 S-915 134596 127558 126284 126289	LUBRICATING OIL PUMP [Standard Horizontal]  Pump, lubricating oil Body and bushing (173160) Bushing Caoscrew Caoscrew 3 8-16 x &/8") Gear, idler 63589) Bushing Dowel Gasket Gear, drive Gear, main prive Head, filter 173162) Bushing Disc. by-bass Spring, by-bass Lockplate Lockwasher (3/8") Plate Plug, pipe 3/8") Plug, pipe 3/8") Plug, py-pass valve Plunger Shaft, drive Shaft, idler	1 1 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 4 5 2 6 7 8 9 1 0 2 1 1 2 1 3 1 4 2 4 1 5 2 3 6 1 7 1 8 1 9	OMIT:  AR-01059 182609 AR-01018 153525 251152 173163  182616 ADD:  AR-02457 S-172-B 189699 AR-01556	LUBRICATING OIL PUMP  Same as Standard Horizontal Model except:  Pump, lubricating oil Capscrew Head, filter (173162) Disc. by-pass Spring, by-pass Plate  MOUNTING PARTS  Capscrew  Pump, lubricating oil Capscrew (3/8-16 x 1-1/8") Capscrew (3/8-16 x 2") Cover and bushing (188860)		3 10 11 12 24 25 31 32 33
68274 126304 S-101-A S-127-A	Spring, by-class valve Yoke  MOUNTING PARTS  Capscrew (** 16-20 x 1'') Capscrew (** 16-20-3'')	1 1 3	20 21 25 26	69406 S-101-A S-127 Note:	Capscrew (7/16-20 x 4") Capscrew (7/16-20 x 1") Capscrew (7/16-20 x 3")  For remote-mounted filter arrangement, see page 51.	1	35 36 36
S-183-A 121907 S-610	Capscrew (7 16-20 x 2-1/2") Gasket, pump to black Lockwasher 7/16 ()	1 1 5	27 28 29				

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	Pen	nark	•		Die	 <u> </u>	ole	4			



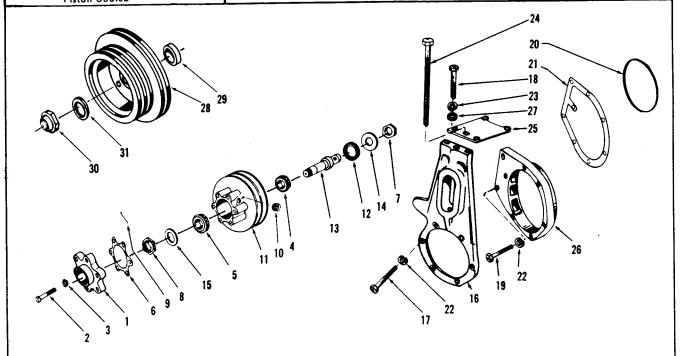
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
BM-66130	SCAVENGER PUMP Pump, double scavenger	1		134963	MOUNTING PARTS  Capscrew, pump to gear cover	1	
139267 BM-64811 133835 BM-66128 113126 S-103-D 7613 144706 134284 133844 134285 BM-64809 113126 133837 S-604 S-911-B 133836 133839	Adapter Body and bushing (133834) Bushing, shaft Cover and bushing (133843) Bushing, shaft Capscrew, flange Dowel, drive adapter Flange, scavenger pump drive Flange, suction Gasket, cover to body Gasket, flange Gear and bushing, idler (133841) Bushing, shaft Gear, impeller drive Lockwasher (3/8"0, cover to body Plug, pipe (1/8") Shaft, drive Shaft, idler	1 1 1 1 7 2 1 2 2 4 1 1 1 2 2	1 2 3 4 5 7 8 9 10 11 12 13 14 15 16 17 18	120688 S-163 S-120 S-172-B 133831 S-604 S-610	Capscrew, pump to gear cover Casket, pump to gear cover Lockwasher (3/8"), pump to gear cover Lockwasher (7/16")	23111153	19 20 21 22 23 24

gine Applicat	ion	
BI CI I IP	P	
x x x		
Remarks	All Applications	

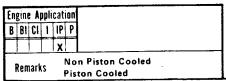


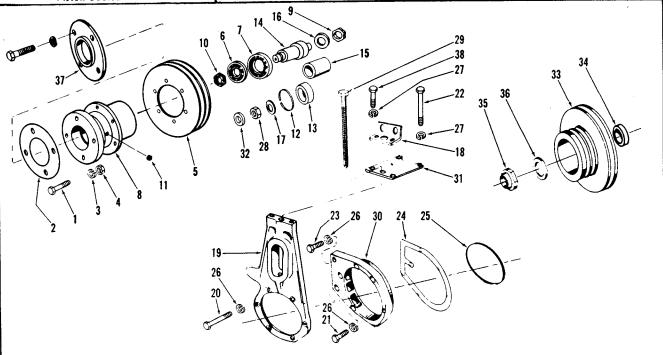
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	WATER PUMP and PULLEY						
AR-04284 154966 AR-04283 115519 196845 BM-71656 143913 185616 135079 191175 S-2268 112302 S-16255 170895 199410 196844	Pump, water Pulley Pump, water (less pulley) Bearing, ball Body, water pump Impeller (122295) Film, bending Filter, dust Seat, ceramic Fitting, relief Fitting, grease Ring, snap Ring, snap Seal, water pump Shaft, water pump Spacer	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1367 854901123				

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1	Ren	nark	S			n Piston Cooled	



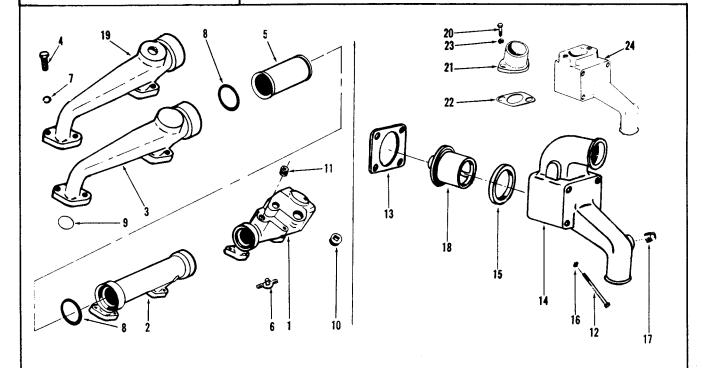
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	FAN HUB				FAN BRACKET		
BM-72946 147209 S-137 S-604 BM-72337 143116 116759 143108 67532 146650 S-510 S-911-B 146656 106276 146649 67526 146651	Fan hub, assembly Spacer, fan pilot Capscrew (3/8"-16 x 2") Lockwasher (3/8") Fan hub, assembly (less spacer) Bearing, ball Bearing, ball Gasket, spacer to hub Nut, Marsden Nut, huglock Pin, cotter Plug, pipe (1/8") Pulley Seal, oil Shaft Washer, clamping Washer, cone-clamping	1 1 6 6 1 1 1 1 1 1 1 2 1 1 1 2 1	1 23 4 5 6 7 8 9 10 11 12 13 14 15	132150 105831 S-145 S-165 130240 130226 S-604 S-608 66912-1A 131622 130227 S-670 AR-5065 190397 191517	Bracket, fan Capscrew, bracket to support Capscrew, bracket support (1/2"-13 x 1 1/4") Capscrew, water pump support (3/8"-24 x 1 1/2") Gasket, pump to support Gasket, support to block Lockwasher (3/8") Lockwasher (1/2") Screw, adjusting Support, fan bracket Support, water pump Washer, plain (17/32")  ACCESSORY DRIVE PULLEY Pulley, drive (190399) Sleeve, pulley Nut, pulley	1 6 2 2 1 1 1 8 2 2 1 1 1 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1	18 19 20 21 22 23 24 25 26 27 28 29
134809 200328	BELTS  Belt, "V" fan drive Belt, "V"	2 1		194380	Washer, plain	1	31





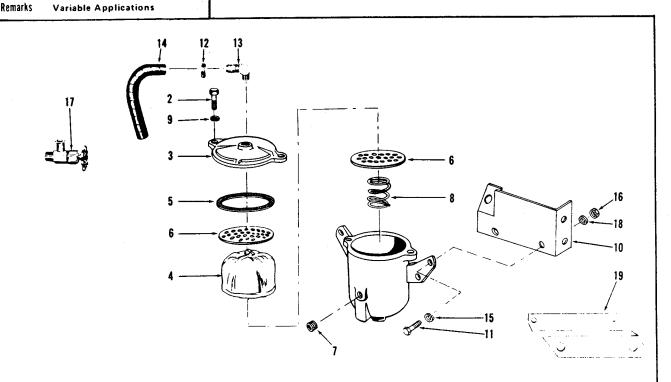
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
-	FAN HUB				FAN BRACKET		
BM-72981 108707 67547 S-604 S-223 20536 BM-72969 S-16004-A S-16093 162163 67532 142176 S-911-B 162127 162128 42377 67550 67546 67551	Hub, fan Capscrew (3 3"-16 x 1-1/2") Gasket Lockwasher 3/8") Nut Pulley, fan Hub, fan (less oulley) Bearing, bail Bearing, bail Hub, fan Nut, Marsden Nut, Marsden Nut, huglock Plug, pipe (1 8") Ring, retaining Seal, oil Shaft, fan nuc Spacer, bearing Washer, clamp Washer, clamp	1 6 6 1 1 1 1 1 1 2 1 1 1 1	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	70173 132150 105831 S-165 S-176 106549 S-145 130226 130240 S-604 S-608 S-206 66912-1A 130227 131622 S-670	Bracket, radiator support Bracket, fan Capscrew, bracket to support Capscrew (3/8"-24 × 1-1/2") Capscrew (1/2"-13 × 5") Capscrew (3/8"-24 × 1-3/4") Capscrew (1/2"-13 × 1-1/4") Gasket Gasket Lockwasher (3/8") Lockwasher (1/2") Nut (5/8") Screw, adjusting Support, water pump Support, water pump Support, fan bracket Washer, plain (17/32")  ACCESSORY DRIVE PULLEY Pulley, drive (190399)	1 1 6 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21 22 23 38 24 25 26 27 28 29 30 31 32
178611 200328 42378 S-125 S-608	Belt, "V" Belt, "V" Pilot, fan Capscrew (1 2"-13 x 2") Lockwasher 1/2"	2 1 1 4 4 4	37 38 39	AR-05065 190397 191517 194380	Sleeve, wear Nut, pulley Washer, plain	1	34

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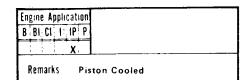


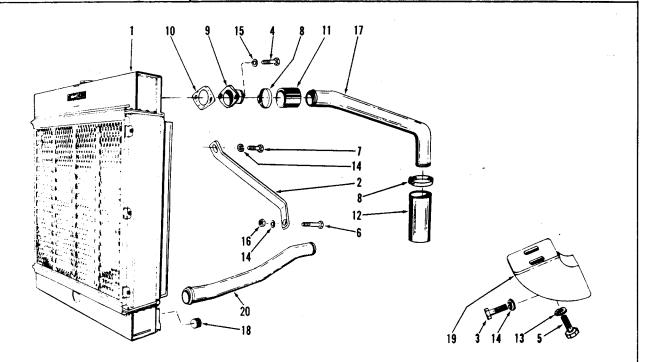
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	WATER MANIFOLD  All Applications				IP Applications  Same as all other applications		
130117 130118	Less Inter-Cooler  Manifold, water (front) Manifold, water (center)	1 1	1 2	OMIT: BM-90637	except:  Housing, thermostat (161380)	1	14
130119 S-103-D S-962-E 130394 S-604	Manifold, water (rear) Capscrew (3/8"-16 x 1 1/4") Cock, drain Coupling, manifold Lockwasher (3/8")	1 12 1 2 12	3 4 6 5 7	ADD: BM-73207	Housing, thermostat (146106)	1	24
70624 S-915-A S-995 148203	"O" ring, coupling Plug, pipe (1/2") Plug, pipe (3/4") Ring, sealing	4 1 1 6	8 11 10 9	S-112	IP Applications  Capscrew (3/8"-16 × 1")	2	20
1,0200	B1, C1 With Inter-Cooler  Same as above except:			68270 9221 S-604	Connection, water Gasket, connection Lockwasher (3/8'')	2 1 1 2	21 22
133342	Manifold (rear) THERMOSTAT HOUSING	1	19				
	All Applications except IP						
S-199-B 70441 BM-90637 186780 S-604 S-908 135675	Capscrew (3/8"-16 x 3 3/4") Gasket, housing Housing, thermostat (161380) Seal, housing Lockwasher (3/8") Plug, pipe (3/8") Thermostat (170 deg. to 185 deg.)	4 1 1 1 4 1	12 13 14 15 16 17 18				

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В	BI	CI	Ī	IP	P						
X	X	X		X							
-	en	ark	s		Vai	iable	Αŗ	plic	atio	ns	



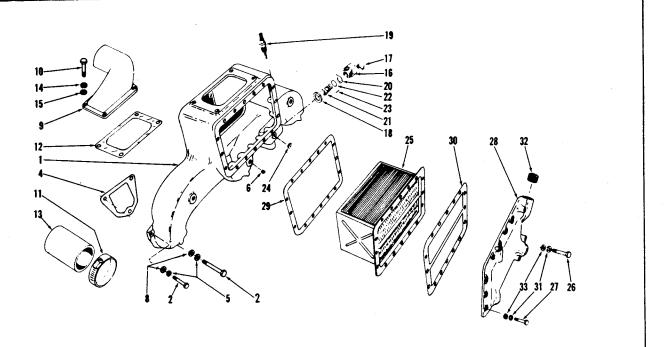
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	CORROSION RESISTOR				MOUNTING PARTS	And special state of the state of	
132716	All Applications Resistor, corrosion	1			IP Application Piston Cooled		:
132717 70223 132718 132732	Body Capscrew, cover to body Cover Element WF 1001	1 2 1 1	1 2 3 4 5	143831 S-102 S-145 179904 179903	Bracket, corrosion resistor Capscrew (5/16-18 x 1'') Capscrew (1/2-13 x 1-1/4'') Clamp, hose Connector	22.1	19 12 13
132730 132719 139090 132731 70233	Gasket, cover to body Plate Plug, pipe Spring Washer	2 2 1 2	6 7 8 9	179903 135970 70470 179907 179911	Decal Elbow Hose Hose		, ,
70200	MOUNTING PARTS  B, BI, CI Applications			S-605 S-608 S-983 S-221	Lockwasher (5/16") Lockwasher (1/2") Bushing Nut (5/16")	001.010	
162971	Piston Cooled  Bracket, corrosion resistor			179901	Valve, shut-off  MOUNTING PARTS	-	17
S-112 S-119 S-199-A	mounting Capscrew (3/8-16 x 1") Capscrew (5/16-18 x 1-1/4") Capscrew (3/8-16 x 4")	1 2 2 2	10 11		B, BI Applications Non Piston Cooled		
69911-A 179904 179903 135970	Clamp, hose Clamp, hose Connector Decal	2 4 2 1	12 13	S-983 S-145 179904 179902	Bushing, pipe Capscrew (1/2-13 x 1-1/4") Clamp, hose Connector	1 2 4	13
179921 179924 S-604 S-605	Hose Hose Lockwasher (3/8") Lockwasher (5/16")	1 1 2 2	15	179903 135970 179910 179914	Connector Decal Hose Hose Lockwasher (1/2")	1 1 1 1 1 2	1
S-223 S-234 60724 179901 S-626	Nut (3/8") Nut (5/16") Spacer Valve, shut-off Washer, plain (11/32")	2 2 2 2 2	16 17 18	S-608 179901 S-670	Valve, shut-off Washer, plain (17/32")	2 2 2	17





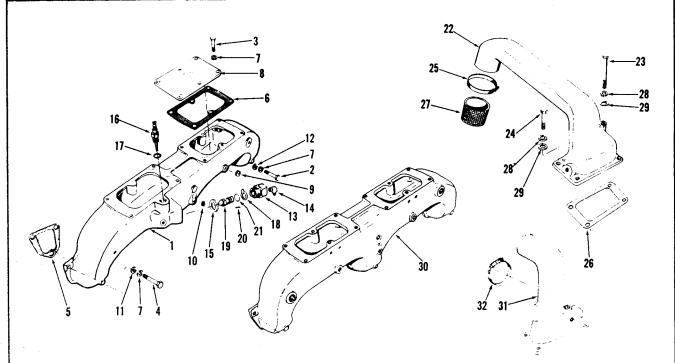
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	RADIATOR				2100 RPM IP Applications	į	
	2300 RPM IP Applications				Same as 2300 RPM except:	į	
184369	Pádiator	1	1	21084	Radiator	1	
	MOUNTING PARTS				FAN GUARD		
116935 43584-A S-125 S-172-B S-127-C S-145 S-169 43828-A 43828-A 43828-A 43828-A 120437 9221 67185 HS0502200SS 61554 S-602 S-608 S-604 186958 S-932-B S-208-A 102228 S-995 S-3097 43585	Adapter, hose Brace, radiator Capscrew (1 27/413 x 27) Capscrew (3 87/418 x 1 1 1/87) Capscrew (3 87/418 x 1 1 1/87) Capscrew (3 27/413 x 1 1 1/47) Capscrew (4 27/413 x 1 1/147) Capscrew (4 27/413 x 1/17) Clamb Clamb Clamb Connection radiator butlet Elbow, clice Elbow, pice Gasket, connection Hose, water Hose Hose Hose Lockwasher (5/87) Lockwasher (1/27) Lockwasher (3/87) Nameplate Cummins emblem Nipple, pice Nut, brace (1/27) Pipe, water cutlet Plug, pipe (3/47) Screw, Nameplate Support, radiator	1 2 8 4 4 4 2 2 4 4 1 2 4 1 1 2 1 1 2 2 1 1 2 2 2 2	2 3 4 5 6 7 8 9 10 1 12 13 14 15 16 17 18 19	S-114 43725 S-600 S-631	All Applications  Capscrew (1/4"-20 x 3 4" Guard, fan Ebokwasher (1,4")  Washer, plain (9/32")	3 - 3 3	

gine Application	
BI CI I IP P	
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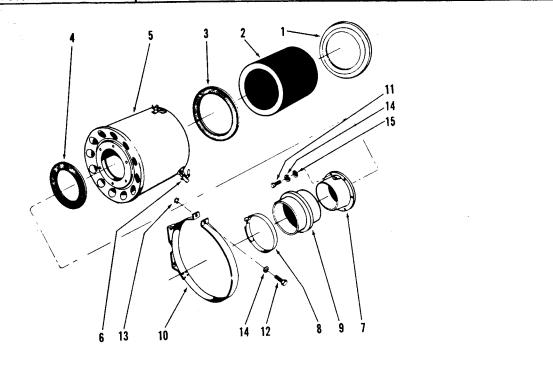
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
167195	AIR INTAKE MANIFOLD  Manifold, air intake  MOUNTING PARTS	1	1	43468 68606	Pin, groove Plug, pipe (1/8'')	1	23 . 24
S-103-D 130653 S-604 S-911-B S-962 S-602	Capscrew (3/8"-16 x 1 1/4") Gasket, manifold to block Lockwasher (3/8") Plug, pipe (1/8") Plug, pipe (1") Washer, plain (13/32") CONNECTION Connection	9 3 9 1 1 9	2 4 5 6 8	184145 S-104 108707 171673 125547 125548 S-604 S-995 S-602	Assembly, core and header Capscrew (3/8"-16 x 2 1/4") Capscrew (3/8"-16 x 1 1/2") Cover Gasket, intercooler to manifold Gasket, cover to intercooler Lockwasher (3/8") Plug, pipe (3/4") Washer, plain (13/32")	1 6 10 1 16 2 16	25 26 27 28 29 30 32 32 33
S-174-B 199058 199568 116224 S-602 S-602 125880 68139 67946 68812 118273 68178-1 69215 68061-A	Capscrew (3/8"-16 x 1 3/8") Clamp, "T" bolt Gasket Hose Lockwasher (3/8") Washer, plain (13/32") GLOW PLUG Adapter, nozzle Elbow Gasket Glow plug Gasket, glow plug Lockplate Nozzle "O" ring	1 1 1 1 1 1 1 1	10 11 12 13 14 15 16 17 18 19 20 21 22	68041 107460 S-923-E 68111 110048 S-987 HS1202200SS HS1201400SS S-939-B 62279	Adapter, hose Clamp, hose Cock, drain Elbow Elbow Elbow Hose Hose Nipple, close Spacer	2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

<b>Engine Application</b>									
В	81	CI	1	ΙP	P				
X	X	X		X					



Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
141895	AIR INTAKE MANIFOLD  B, BI, CI Applications Piston Cooled and Non Piston Cooled  Manifold, air intake  MOUNTING PARTS	1	7	68812 118273 68178-1 69215 68061-A 43468 68606	Glow plug Gasket, giow plug Lockplate, nozzle Nozzle "O" ring Pin, groove Plug, pipe (1/8")	1 1 1 1 1	16 17 18 19 20 21
S-103-D S-112 108707 130653 149819 S-604 144257 S-962 S-910-B S-915-A S-602 63842	Capscrew (3/8-16 x 1-1/4") Capscrew (3/8-16 x 1") Capscrew (3/8-16 x 1-1/2") Gasket, manifold to block Gasket, plate Lockwasher (3/8") Plate, manifold cover Plug, pipe (1") Plug, pipe (1/4") Plug, pipe (1/2") Washer, plain (13/32")	6 6 3 3 1 15 1 1 3 2 6 3	2 3 4 5 6 7 8 9 10 11 12	142248 S-102-1 S-126 108707 199058	CONNECTION  B, BI, C1 Applications Piston Cooled and Non Piston Cooled  Connection, manifold to turbocharger  MOUNTING PARTS  Capscrew (3/8-16 × 3'') Capscrew (3/8-16 × 2-1/2'') Capscrew (3/8-16 × 1-1/2'') Clamp, hose	1 1 3 2	
141761 125880 68139 67946	IP Application - Piston Cooled  Same above except:  Manifold, air intake  GLOW PLUG  All Applications  Adapter, nozzle Elbow, hose Gasket, copper	1 1 1 1	30 13 14 15	199568 116224 S-604 S-602 133266 140331 S-911-B	Gasket, connection to manifold Hose, connection to turbocharger Lockwasher (3/8") Washer, plain (13/32")  IP Application - Piston Cooled  Same as above except:  Crossover Clamp, hose Plug, pipe (1/8")	1 1 4 4 1 2 2	26 27 28 29 31 32

En	gini	: A	ppli	cat	on		
Ī	BI	CI	1	IP	P		
,	X						
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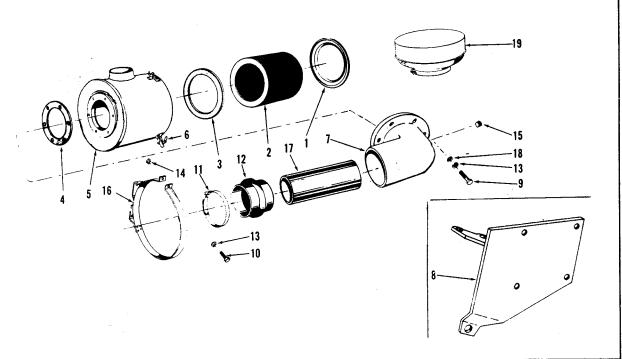
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	AIR CLEANER						
106833 107135 AF-253 107136 107137 107134 122121	Assembly, air cleaner (12" diameter) Cover, shell Element Gasket, element Gasket, flange Shell, air cleaner Spring, clip	1 1 1 1 3	1 2 3 4 5 6				
	MOUNTING PARTS						
106126 125741 103808 105916 S-115 S-111 S-221 S-602 S-626	Adapter Clamp, hose Hose, flexible Strap Capscrew (5/16"-18 x 7/8") Capscrew (5/16"-18 x 1 1 /2") Nut (5/16") Lockwasher (5/16") Washer, plain (11/32")	1 4 2 2 6 2 2 8 6	7 8 9 10 11 12 13 14 15				

Engine Application

B BI CI I IPP

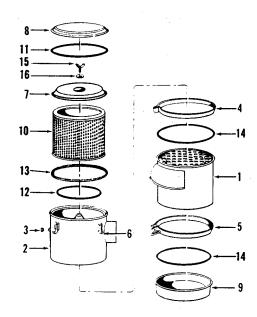
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Remarks Piston Cooled

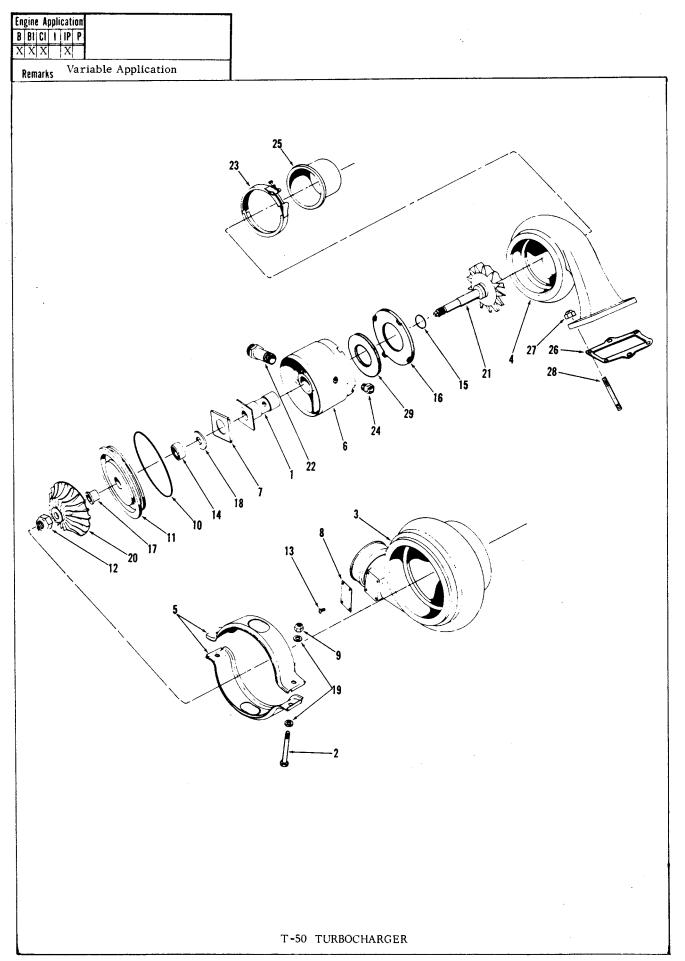


Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	AIR CLEANER						
106832 107135 AF-253 107163 107137 107139 122121	Assembly, air cleaner Cover Element Gasket, element Gasket, flange Shell Spring MOUNTING PARTS	1 1 1 1 1 3	1 2 3 4 5 6				
105402 146818 S-117 S-186-A S-115 S-111 105386 103808 S-604 S-603 S-605 S-223 S-221 S-910-B 105916 113978 S-626 S-658	Adacter Bracket Capscrew (3/8"-16 x 3/4") Capscrew (5/8"-18 x 1 1/4") Capscrew (5/16"-18 x 7/8") Capscrew (5/16"-18 x 1 1/2") Clamb, hose Hose Lockwasher (3/8") Lockwasher (5/8") Lockwasher (5/16") Nut (3/8") Nut (5/16") Plug, pipe (1/4") Strap Tube, air cleaner to turbocharger Washer, plain (11/32") Washer (5/8")	1 1 4 1 6 2 4 1 2 4 1 8 4 2 1 2 1 6 1 1 6 1 1 1 1 1 1 1 1 1 1 1 1	7 8 9 10 11 19 12 13 14 15 16				

Engine	Appli	catio	n	
B BI	CI I	IP I	P	
1	X		1	



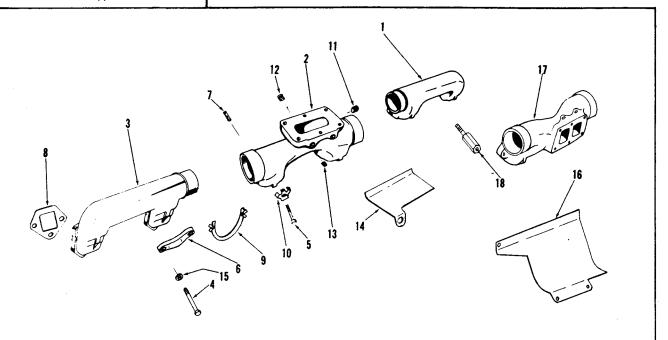
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	AIR CLEANER						
	Non Piston Cooled						
151608	Assembly, air clenaer (14'' diameter)	1		151691 133774	Gasket, element Gasket, body and cup	1 2	13 14
151800 151 <b>7</b> 88 150 <b>76</b> 8	Body, lower Body, upper Cap, restriction	1 1 1	1 2 3		Same as above except:		
150769 150771	Clamp, body Clamp, cup	1	4 5	151611	Assembly, air cleaner (16" diameter)	:	1
150 <b>7</b> 67 150 <b>75</b> 7	Clip, cover Cover, inner	1 1	6 7 8	151803 151790	Body, lower Body, upper	:	2
133757 150772 150785	Cover, assembly Cup, assembly Element	1	9 10		MOUNTING PARTS		
150747 150758	Gasket, cover Gasket, inner cover	1	11	105741	Non Piston Cooled  Clamp, "T" bolt		
150766 133763	Gasket, element Gasket, body and cup	2	13 14 15	125741 152026 103808	Clamp, "T" bolt Hose	•	
-152792 -152793	Screvv Washer	1	16	151614 197220	Reducer, rubber Strap	2	
	Piston Cooled				Piston Cooled		
151610	Assembly, air cleaner (16" diameter)	1	2		Same as above except:		
151789 151692 151695	Body, upper Clamp, body Clamp, cup	1	2 4 5	197221	Strap	-	
150788 133767	Cover, inner Cover, assembly	1 1	7 8				:
151696 151688	Cup, assembly Element	1	9 10 11				
151687 151697	Gasket, cover Gasket, inner cover	1	12			!	



En	gine	A	ppli	çat	ion
В	BI	CI	1	IP	P
X	X	X		X	

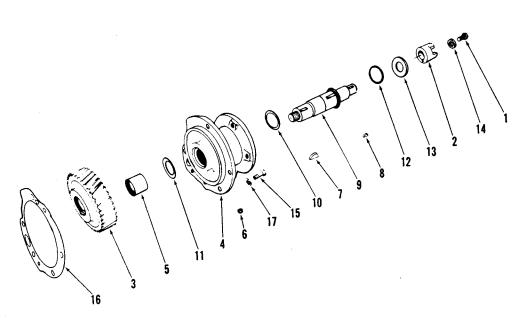
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	Ng. Req.	Re No
	T-50 TURBOCHARGER						
	2100 RPM engine		:				
AR-01182	Turbocharger assembly (186911)	1		111670	Support	1	:
156420	Bearing	1	1	185667	Tube	1	
194010	Capscrew	2	2	196346	Tube (12/22/1)	1	
183543	Casing, compressor	1	3	S-602 S-604	Washer (13/32'') Washer (3/8'')	2 2	
183636 156416	Casing, turbine Clamp, V cand	2	5	S-626	Washer (11/32'')	1	
170981	Housing, cearing	1	6	HS1600706MC	Hose	1	
170510	Insert, bearing	1	7	HS0604600ST	Hose	1	
128936	Nameplate	1	8			Į.	
167299	Nut, V cand clamp	2	3		-		
151856	"O" ring	1	10	:	Top mount turbocharger - with inter-cooler		
199415 194459	'O' ring Packing, felted fiber	1 1	29	:	With Inter-cooler	İ	
169 <b>4</b> 95	Plate, oil seal	İ	11		Same as turbocharger - less	İ	
S-222-A	Nut	1	12		inter-cooler except:		
S-2267	Screw, nameplate	4	13	121349	Support	1	
198816	Sea!	1	1.41	HS1600706`.'S	Hose	1	
195840	Seal, ring	1	15	H\$060430CST	Hase	1	
171570	Shield, heat	1 1	15 17		Side mount turbocharger		
169491 169493	Sleeve Washer, torust	1 1	18		Side 1.56 in turbocharger		
S-631	Washer, Wisand clamp	4	19	196932	Adapter, hose	İ	
185764	Wheel, impeller	1	20	S-1039	Adapter, flexible hose	1	
BM-92123	Wheel and shaft	1	21	181987	Adapter, hose	1	. 1
		ļ		114307	Bracket, tube clip	1	
	Same as 2100 RPM engine except:	1		S-107 69793	Capscrew (5/16"-18 x 3/4") Capscrew		
	2300 RPV engine	i		68425	Clip, hose	1 1	1
	2300 hr v engine			196206	Clip, tube	1	į
AR-01183	Turbocharger	1		S-1008-A	Connector, tubing	1	. 2
183637	Casing, turcine	1	4	69319	Elbow	1	÷
185811	Casing, compressor	1	3	68645	Elbow	1 1	
163335	Wheel, impeller	1	20	196207 114753	Fitting, union bolt Gasket, turbocharger to		
	MOUNTING BARTS		1	114755	exhaust manifold	1	4
	MOUNTING PARTS		!	S-602	Lockwasher	1	•
	Top mount turbocharger - less inter-	cooler		107440	Nut, lock	ô	2
				S-205	Nut	1	
197733	Adapter, nicple	1		107709	Stud	6	2
142429	Adapter, elsow			196348	Tube	1 ອີ	
181986	Adapter, nicole	1 1	22	S-626 S-602	Washer (11/32'') Washer (13/32'')	1	
S-107 S-181-B	Capscrew 5/16"-18 x 3/4") Capscrew			S-604	Washer (3-8")	1 ;	
69793	Capscrev	2		HS0602200ST	Hose	1	
186917	Clamp, V pand	1	23	HS1601306MS	Hose	1	•
69375	Clip, hose	1					
8425	Clip, hose	2	1		Side mount turbocharger		
196206	Clip, tube	1 !	2.1	NOTE	; When engine is equipped with		i
S-1008-A 190351	Connector, tubing Connection	1 1	24 25	NOTE	large oil cooler (IP applications),		
S-935	Coupling, sipe	1	23		same as above except:		İ
S-987	Elbow	li					1
S-1064	Elbow	1		S-969	Nipple	1	
196207	Fitting, union bolt	1		110100001010	(Omit S-1039-A Adapter)		
114753	Gasket, turbocharger to		1 00	HS1600946MS	Hose Hose	1	-
107440	exhaust manifold Nut, lock	1	26	HS0602200ST	HUSC	'	
107440 S-205	Nut Nut	6 2	21	1			
5-205 S-946	Nipple	1	į.	l			į
S-939	Nipple	1			i	1	i
107709	Stud, exhaust manifold	6	28				
113961							

<b>Engine Application</b>										
В	BI	CI	1	ĮΡ	P					
X	X	X		X						

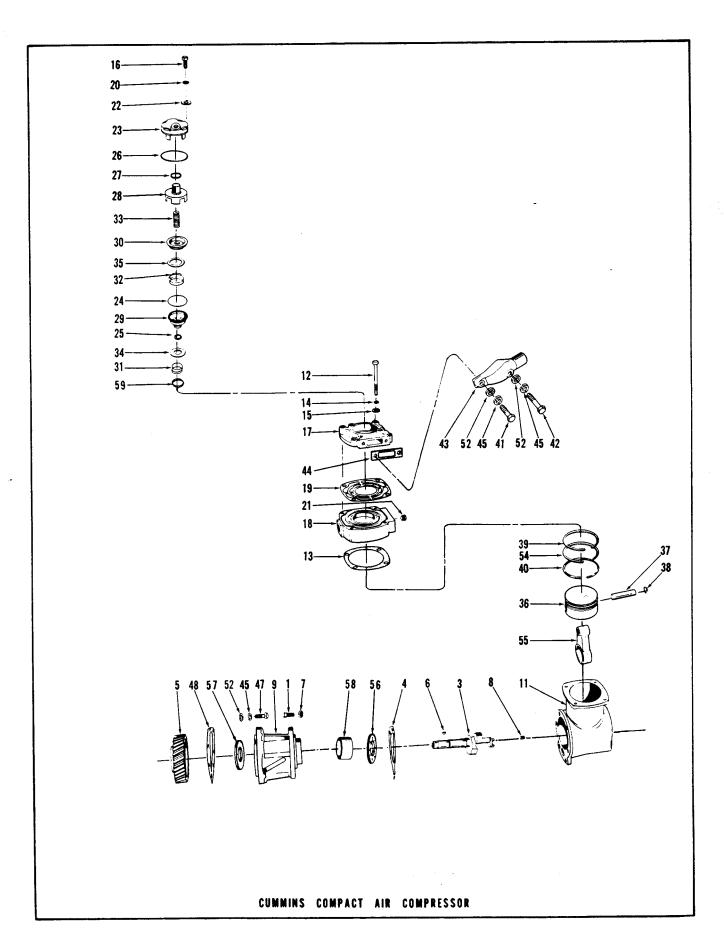


Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	EXHAUST MANIFOLD				EXHAUST MANIFOLD		
151478 150990 151489	BI, IP Applications-Top Mounted Turbocharger - Piston Cooled  Manifold, exhaust (front) Manifold, exhaust (center) Manifold, exhaust (rear)  CI Applications - Top Mounted Turbocharger With Air Inter-Cooler	1 1 1	1 2 3	151478 122111 151489	B, BI Applications - Piston Cooled B, BI, CI Applications - Non Piston Cooled Side Mounted Turbocharger  Vanifold, front Vanifold, center Manifold, rear  CI Applications - Side Mounted Turbocharger - Piston Cooled	1 1 1	1 17 3
129118 141853 139119	Manifold, exhaust (front) Manifold, exhaust (center) Manifold, exhaust (rear)  MOUNTING PARTS	1 1 1	1 2 3	139118 139117 139119	Less Air Inter-Cooler  Vanifold, front Vanifold, center Vanifold, rear	1 1	17
S-155 200919 105199 142234 116982 114638 S-908 S-910-B S-911-B 163022 109594 114200	Capscrew Clamp Dowel Gasket, manifold Lockplate Lockplate Plug, pipe (3/8") Plug, pipe (1/4") Plug, pipe (1/8") Shield, hose Washer Washer	12 2 6 6 4 1 2 2 2 1 8	4 6 7 8 9 10 11 12 13 14 15	S-117 200908 110266 S-155 200919 105199 142234 S-604 116932 114638 S-908 S-910-B S-911-B 142249 163022 113293 109594	Capscrew (3/8-16 × 3/4") Capscrew Capscrew Capscrew Clamp Dowel Gasket Lockwasher Lockplate Lockplate Plug, pipe (3/8") Plug, pipe (1/4") Plug, pipe (1/8") Snield heat Snield hose Spacer capscrew Washer	3 4 4 4 6 2 6 6 6 4 4 3 3 2 2 2 1 1 1 1 2	4 6 7 8 9 11 13

Engine Application										
В	BI	CI	1	ΙP	P					
Г	X	X		X						



Part Number	Part Name		Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
BM-94785 129510 158826 142689 BM-53987 116391 S-911-B 69550 S-316 170658 181236 116388 116389 116390 170664	FUEL PUMP DRIVE  B1, C1 and IP Applications  With Piston Cooling  Drive, fuel pump, assembly Capscrew (3/8"-16 x 1")  Coupling Gear, accessor, drive Housing (121936)  Bushing Plug, pipe (1 8")  Key, Woodruff  Key Shaft, accessor, drive Seal, drive purey Washer, thrust Washer, thrust Washer, clamping Washer, plain	1 1 1 1 1 1 2 1 1 1 1 1 1	1 2 3 4 5 6 7 8 9 10 11 12 13 14	BN1-94777 121933 142689	BI, CI Applications  Less Piston Cooling  Same as piston cooled except:  Drive, fuel pump, assembly Gear, accessory drive Gear, accessory drive (omit)	1	3
S-101-A 121937 S-610	Capscrew (7/16"-20 x 1") Gasket, housing to block Lockwasher (7/16") Used when Engine not equipped with a Cummins Air Compressor	5 1 5,	15 16 17				



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X		1			1		

Remarks Piston Cooled

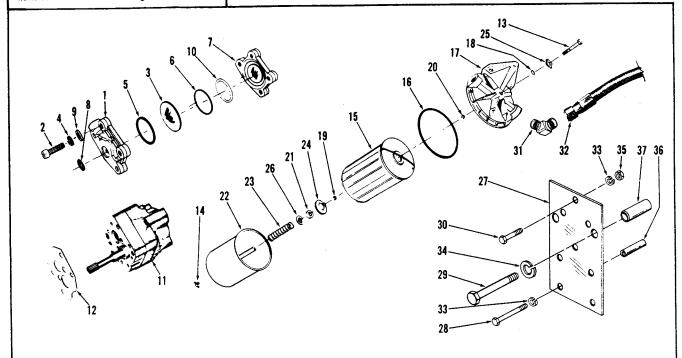
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref No.
	CUMMINS COMPACT				MOUNTING PARTS		
AR-03982	AIR COMPRESSOR  Compressor, air	1		S-105-A	Capscrew	5	
188040	Bearing, thrust	1	56	103009	Capscrew	4	
188042 188044	Bearing, thrust (.002 oversize) Bearing, thrust (.004 oversize)	A/R A/R		156089 103005	Gasket, support to block Gasket, governor	1	
130080	Bearing, thrust	1	57	S-610	Lockwasher (7/16")	9	
130081	Bearing, thrust (.001 oversize)	A/R		181236	Seal, accessory drive pulley		
130082 130083	Bearing, thrust (.002 oversize) Bearing, thrust (.003 oversize)	A/R A/R		S-622	Keyway Washer, plain (15/32'')	1 4	5
108707	Capscrew (3/8"-16 x 1-1/2")	2	47	BM-75526	Bushing, and tube	1	7
S-103-D	Capscrev. (3/8"-16 x 1-1/4")	4	1	S-111	Capscrew (5/16"-18 x 1-1/2")	1	
176060 176027	Crankshaft, compressor Gasket, support	1	3	S-147-B 43828-A	Capscrew (5/16"-18 x 2-1/2") Clamp, hose	1 4	1 4
121933	Gear, accessory drive	i	5	183169	Connection, air inlet	1	4
69550	Key, crankshaft	1	6	S-1002-A	Connector, flexible tube	2 2	1
S-604 S-965-E	<ul><li>Lockwasher (3/8")</li><li>Plug, pipe (1/16")</li></ul>	6	7 8	S-1005-A 61554	Elbow, flexible fitting	2	!
S-905-E AR-01569	Support, compressor (188039)	1	9	61554 S-605	Hose Lockwasher (5/16′′)	2 2	1 2
188050	Bushing	2	58	178272	Tube, compressor inlet	1	
S-602 AR-03977	Washer, plain (13/32") Crankcase and head	4	!	152539	Tube, straight	1	
176028	Crankcase and head Crankcase		11	182589 182586	Tube, compressor Tube, compressor	1	
S-155-A	Capscre 4 (5/16"-18 x 2-3/4")	4	12	S-626	Nasher (11/32")	2	. 3
154018	Gasket, head	1	13	162426	Coupling, spider	1	
S-605 S-626	Lockwasher (5/16") Washer, plain (11/32")	4	14				i
160047	Nameplate, compressor	1	:				1
136403	Nameplate serial number	1	•				
S-2267 AR-03926	Screw, nameplate Head assembly	6	į		i.	Ì	:
S-115	Capscrew (5/16"-18 x 7/8")	2	16				
153964	Cover	1	17	Ī			
179122 154966	Head Gasket, cover to head	1	18	i			1
S-605	Lockwasher (5/16'')	2	1 20		:		1
S-915-A	Plug, pipe (1/2")	1	21	1			1
109557 183429	Washer, plain (11/32)	2	59				:
AR-04154	Plate, wear Valve assembly		59			ļ	i
153966	Body, unloader valve	1	23				
191037	Cap, unloader	1	28				1
128086 128085	"O" ring, exhaust valve "O" ring, intake valve		24 25				
128087	"O" ring, unloader valve	i	26		1		1
127936	Seal	1	27				
144714 145028	Seat, exhaust valve Seat, intake valve	1	29			İ	
128080	Spring, exhaust valve		31				
190334	Spring, intake valve	1	32				
150631	Spring, unloader valve	1	33			-	
127940 144948	Valve, exhaust Valve, intake		34			1	
BM-77410	Piston assembly	i					
165430	Piston	1	36	·			
119810 119859	Pin, piston Ring, snap	1 2	37				
AR-04130	Ring set, piston	1	1 30	1			
194810	Ring, compression (top)	1	39				
187350 180810	Ring, compression Ring, oil control	1	54			}	
176023	Rod, connecting	1	55			1	
		1		1			
			:			1	
			i				
		-	:			- 1	

En	gine	A S	pli	cat	on			_	
В	BI	CI	١	1P	P				
(								-	
I	ns?	ark	S		В	Application	1 S		

Part Number	Part Name	No. Ref. Part Req. No. Number Part Name				No. Req.	Ref. No.
performance ar Distributor or [ rebuild and cali	PT FUEL SYSTEM  Inins PT Fuel Pump is calibrated to obtained fuel economy for your engine. Your Dealer has the special tools required for ibration. Caution: Do not disturb the fuel throttle screw settings, as serious damand.	r Cumr r comp iel pres	nins dete sure	BM-97502 177764	GEAR PUMP  Gear pump 3/4" (R.H.) Gasket  FUEL FILTER  Dual Element	1 1	11 12
Only PT Fo	uel System parts which can be replace on are listed here, Your Cummins Distr lific part number of your complete PT	ibutor	will	BM-76976 126516 FF-105 251406 135601	Assembly, fuel filter Bolt, center Cartridge Seal, cartridge Head, filter Single Element	1 2 2 2 1	13 14 15 16
BM-76340 153336 171545 139834 181466 139988 100099 153338 151900 70704 160514	FUEL PUMP DAMPER  Damper, fuel pump Body, damper Capscrew Diaphragm Lockwasher "O" ring "O" ring Plate Seal, damper to gear pump Washer, plain (1/4") Washer, nylon	1 1 2 1 1 1 1 2 1 1 1 2 1 1	3 4 5 6 7 8		Assembly, fuel filter Cartridge Gasket, cover Head, filter	1 1 1 1	14 15

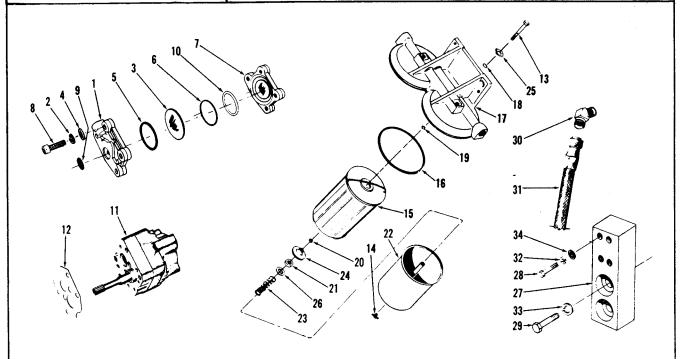
En	gine	A S	ppli	plication				
В	81	CI		ΙP	P			
	X	X		X				

Remarks 2100 RPM Engine



Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	PT FUEL SYSTEM				FUEL FILTER		
performance a Distributor or rebuild and cal settings or the engine may res Only PT F pump calibrati	mins PT Fuel Pump is calibrated to obtain fuel economy for your engine. You Dealer has the special tools required flibration. Caution: Do not disturb the futhrottle screw settings, as serious damult.  Fuel System parts which can be replained and listed here. Your Cummins Discific part number of cour complete PT	ur Cumpor communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication of communication	mins plete ssure your hout will	151940 121960 S-962-E 190707 FF-108 151881 251128 134736 135169 251131 151884 251091 151885 151920 251081 S-658 159749 S-116-A S-197-B S-103-D 129859 HS1002100SS S-604 S-609 70168	BI, CI, IP Applications  Filter, fuel, assembly Capscrew, head to shell Cock, drain Decal, fuel filter Element Gasket, head to shell Head, filter "O" ring, capscrew Ring, grip, capscrew Ring, grip, post Seal, pilot Shell and post Spring, filter Support, filter element Washer, capscrew Washer (5/8]")  MOUNTING PARTS  IP Application  Bracket, filter mounting Capscrew (3/8-24 x 3-1/2") Capscrew (9/16-18 x 3-1/2") Capscrew (3/8-16 x 1-1/4") Connector, elbow Hose Lockwasher (9/16") Nut, huglock Spacer	1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 3 2 1 5 2 3 2 1	13 14 15 16 16 17 18 19 20 21 22 23 24 25 26 28 29 30 31 32 4 30 31 32

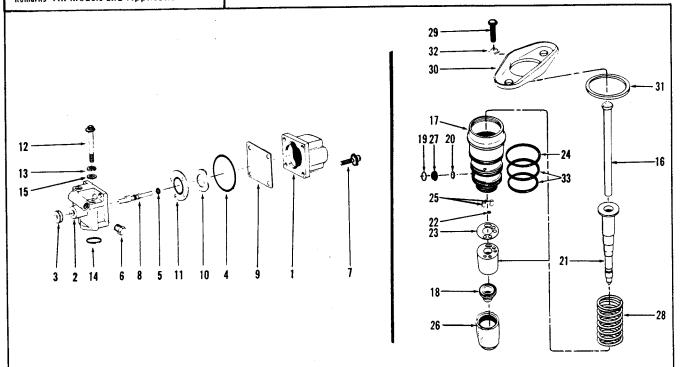
En	gin	: Ap	pli	cat	ion			
8	BI	CI	1	IP	P			
-	X	X		X				
1	Ren	ark	,		2300	RPM	Fnaine	



Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	PT FUEL SYSTEM				IP Application		
performance a Distributor or rebuild and ca	I mins PT Fuel Pump is calibrated to obta ind fuel economy for your engine. You Dealer has the special tools required fo libration. Caution: Do not disturb the fu throttle screw settings, as serious dama	r Cumn r comp iel press	nins lete sure	BM-97504 177764	Gear Pump (1" R.H.) Gasket FUEL FILTER	1 1	11 12
engine may res  Only PT F  pump calibrati	sult. Fuel System parts which can be replace ion are listed here. Your Cummins Distr cific part number of your complete PT	ed with	out will	BM-91119 121960 S-962-E 190707 FF-108 151881 167821	Assembly, fuel filter Capscrew, head to shell Cock, drain Decal, filter Element Gasket, head to shell Head, filter	1 2 2 2 2 2 2	13 14 15 16
	FUEL PUMP DAMPER BI, CI, IP Applications			134736 135169 251131 151884	"O" ring, capscrew Ring, grip, capscrew Ring, grip, post Seal, pilot		
BM-76340 153336 171545 139834 181466 139988	Damper, fuel pump Body, damper Capscrew Diaphragm Lockwasher ''O'' ring	1 1 4 1 4	1 2 3 4 5	251091 151885 151920 251081 S-658	Seal, priod Shell and post Spring, filter Support, filter element Washer, capscrew Washer, plain (5/8")	2 2 2 2 2 2 2 2 2	22 23 24 25 26
100099 153338 151900 70704	"O" ring Plate Seal, damper to gear pump Washer	1 1 1 4	6 7 8 9		Filter Mounting CI Application		
160514	Washer, nylon  GEAR PUMP  B1, C1 Applications	1	10	164197 S-103-D S-109-A 129859 HS1002240SS	Bracket Capscrew (3/8-16 x 1-1/4") Capscrew (9/16-18 x 1-1, 2") Connector, elbow Hose	2 4 4 2 1	
BM-93590 177764	Gear Pump, 1" (R.H.) Gasket	1	11 12	S-604 S-609 S-602	Lockwasher (3/8'') Lockwasher (9/16'') Washer, plain (13/32'')	4 4	32 33 34

Eng	gine	e Ar	opli	cati	ion
В	BI	CI		IP	P
X	X	X	Γ	X	

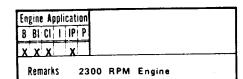
Remarks All Models and Applications

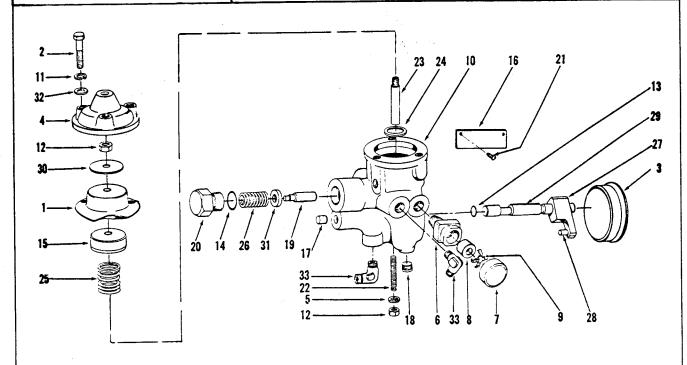


Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	SHUTDOWN VALVE				INJECTOR PT (TYPE D)		
BM-65725 134074 129826 129838 190876 129888 70295 187556 196037 129839 129768 129827 171546 181466 154087 67684	Shutdown valve assembly Coil assembly Housing, valve Knob, override "O" ring "O" ring Plug, pipe Sem, fillister head Shaft, override Shield, fuel Spring Valve Capscrew Lockwasher Ring, sealing Washer, plain	1 1 1 1 1 1 1 1 1 1 2 2 1 1 2	1 2 3 5 4 6 7 8 9 10 11 12 13 14 15	AR-40039 191916 AR-40051 185139 191741 174299 173086 BM-40061 167157 185146 101754 193736 165296 185138 174298 166009 131430 191218 67251 180626  Note	Injector assembly Link, injector Injector (less link) Adapter, injector Cup, injector Clip, filter screen Gasket, orifice Barrel and plunger Ball check Gasket, injector "O" ring, adapter "O" ring, adapter Pin, roll Retainer, cup Screen, filter Spring, injector Capscrew, clamp Clamp, injector Spacer Washer, injector clamp  You can use (3) 193726 "O" rings on a PT (Type D) injector.	66666666666666666666666	16 17 18 19 20 21 22 23 24 33 25 26 27 28 29 30 31 32

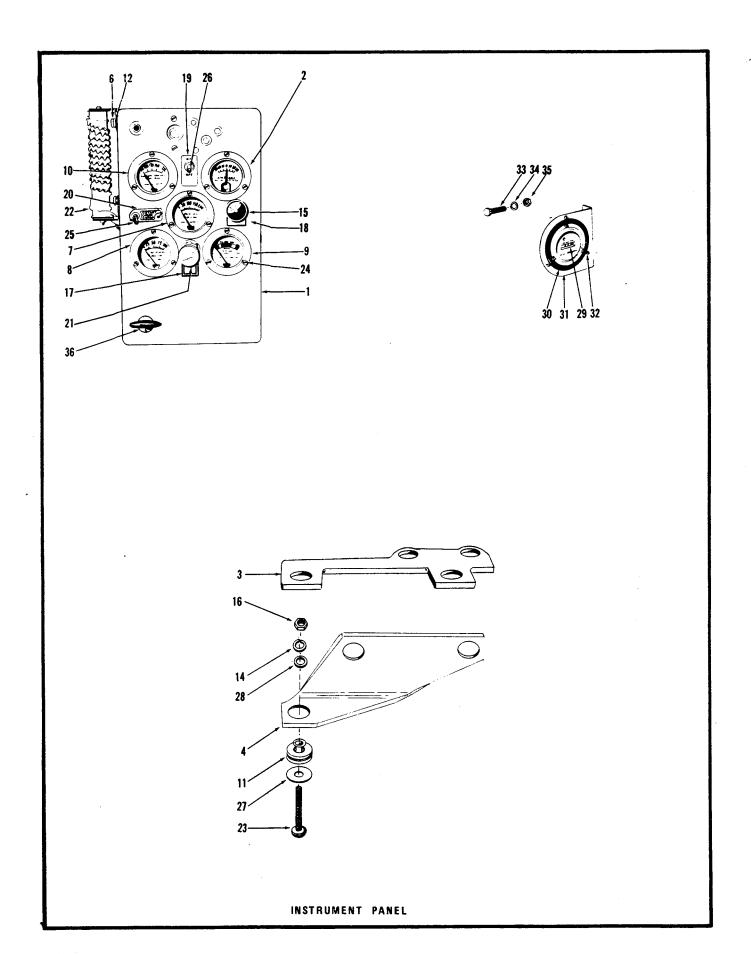
Remarks

Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	FUEL TUBING						
	2300 RPM Engines						
	B Application						; }
187317 147100 S-118-A 180371 180372 S-1048-A S-1027 S-1047-A	Adapter Assembly fuel crossover Capscrew (1/4-20 x 5/8") Clip, tube Clip, tube Connector, tube Coupling Elbow	1 2 1 2 1 1 1 1		144733 183381 S-631	Tube, fuel supply Tube, fuel by-pass Washer, plain  B Applications  Same as B1 and C1 applications except:	1 1 1	
116473 116936 183913 193762 181213 HSC400860MS	Elbow Elbow Elbow Elbow Hose	1 1 2 1 1 1	:	144735 183382 144733 183381	Tube, fuel supply Tube, fuel by-pass Tube, fuel supply (omit) Tube, fuel by-pass (omit)	1	
S-600 195613 131026	Lock washer Nipple: cice "O" ring	1 1 8			2100 RPM Engines (Non-Piston Cooled)		
144733 183382 163170 144733	Plug, cibe Plug, cibe Plug, cibe Springt te, fidilister nead Tube, fuel supply Tube, fuel oy-pass  BI, CI Applications  Same as B application except:  Tube, fuel supply Tube, fuel supply Tube, fuel supply -omit) Tube, fuel by-pass (omit)  IP Application  Same as B application except:  Tube, fuel supply Tube, fuel supply tobe, fuel supply Tube, fuel supply Tube, fuel supply Tube, fuel supply Tube, fuel supply Tube, fuel supply (omit)	11 1 1 1		70777 147 100 S-1048-A 180371 180372 S-1027 181213 193762 S-1047-A HS0400860MS 195613 131026 S-965-E S-911-B 70772 144735 183282	Adapter Assembly, fuel crossover Connector, tube Clip, tube Coupling Elbow Elbow Elbow	1 2 1 1 1 1 1 4 1 1 1 2 1 1 1	
	2100 RPM Engines (Piston Cooling)		:		Same as Biapplication except		
	BI, CI Applications			193381 163382	Tuce, fuel by-pass Tuce, fuel by-pass (cmit)	1	
187317 147100 S-118-A S-1048-A S-1047 180372 180271 193762 181213 S-1047 100502 131026 HS0400860MS S-600 S-965-E S-911-B 70772	Adapter Assembly fuel crossover Capscrew - 1/4-20 x 5/8") Connector, tube Coupling Clip, tube Clip, tube Elbow Elbow Elbow TO'' ring Hose Lockwasher (1/4") Plug, pipe Plug, pipe Springtite fillister head	1 2 1 1 1 1 1 2 1 1 1 8 1 1 4 1 1 2					





Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	ANEROID CONTROL  B, BI, CI, IP Applications				MOUNTING PARTS  B Application	1	
BM-70161-AL 114739 S-1218 114773 114947 70815 BM-55534 125026 125027 118020 124996 140357 S-600 108074 114791 154087 114755	Control, aneroid Bellows Capscrew, cover to housing Cover, control Cover, bellows Dyna-seal, adjusting screw Filter, air Body, filter Cap, filter Element Spring, filter Housing, control Lockhasher, cover to housing Nuticellows actuating shaft "Oring, clunger "Oring, spring retainer Piston, bellows Plate, name	110111111101	-10410 078000-104100	143950 S-109-A S-122-C 108707 68139 116936 144372 142429 HS0501200SS HS0501600SS HS0400940MS S-604 S-609 113304 63385 68252	Adapter Capscrew (9/16-18 x 1-1/2") Capscrew (9/16-18 x 7/8") Capscrew (3/8-16 x 1-1/2") Elbow, hose Elbow, hose Elbow, begree Hose, control Hose, control Hose, control Lockwasher (3-8") Lockwasher (9-16") Plate, control mounting Scacer, water connection Spacer, exhaust manifold shield	101010101	: - 33 :
114765 S-911-B 140414 114764 125111 S-2267 109919 115033 114921 115085 120073 BM-69381 115034 114940 140358 114754 114754	Plug, olunger Plug, olunger Plug, oipe Plunger, pressure Retainer, spring Rivet Screw, nameplate Screw, adjusting Shaft, bellows actuating Shim, spring Spring, bellows Spring, pressure valve Valve, lever and pin Lever Pin Valve Washer, bellows retainer Washer, pressurizing valve Washer, cover to housing	A 1 1 1 1 1 1 3	17 18 19 20 21 223 24 25 26 27 28 29 30 31 32	143950 S-109-A S-112 S-198-A 68139 116936 144372 HS0501200SS HS0501600SS HS040100MS S-604 S-609 118304 64370		1 1 1	



En	gine	: A	ppli	cat	ion	
В	BI	CI	١	IP	P	
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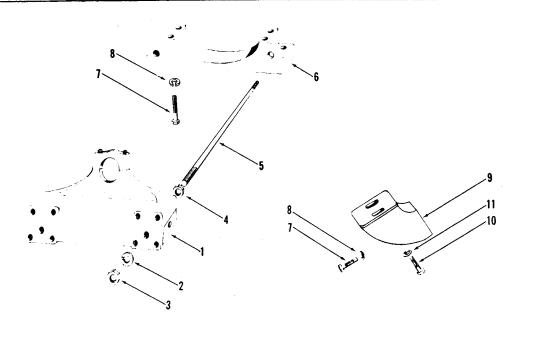
Remarks Piston Cooled

NSTRUMENT PANEL   1   1   1   103240	Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
1		INSTRUMENT PANEL						-
	66741 111881 153928 175617 157349 103237 S-112-A S-116-A S-188-C S-186-A 180372 S-1003-1 S-1059 68139 S-1047-A S-1004-1 66735 66733 44118 41627-R HS0404800MS HS0401600MS 102486 103088 S-603 S-600 S-604 S-607 115007 S-205 S-224 S-259 103241 157159 157160 157158 174450 118367 100046 68813 S-1319	Ammeter Block, terminal Bracket, mounting Bracket, mounting Bracket, resistor mounting Capscrew, bracket 1'2-20 x 1") Capscrew (3/8-24 x 3-1/2") Capscrew, resistor 1'4-20 x 1/2") Capscrew (5/8-18 x 1-1/4") Cip Connector, tubing Coupling, tubing Erbow, hose Elbow, tube Elbow, tube Elbow, tubing Cauge, fuel pressure Cauge, bubilitating bil pressure Cauge, vater temperature Cauge, water temperature Cauge, water temperature Cauge, water temperature Cauge, water temperature Cauge, water temperature Cauge, water temperature Cauge, water temperature Cauge, water temperature Cauge, water temperature Cauge, water temperature Cauge, water temperature Cauge, water temperature Cauge, water temperature Cauge, water temperature Cauge, water temperature Cauge, water temperature Cauge, water temperature Cauge, water temperature Cauge, wibration Cackwasher, vibration Cackwasher Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration isolator Cackwasher, vibration iso	1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 3 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 3 4 6 7 8 9 10 11 12 14 15 16 17 18 19 20 21 22	S-1167 127814 65434-B 118403 111670 102057 66501 104215 S-930-E 66654 103089 102484 S-603-A S-631 113310 68880 44153 S-159-A S-600 S-636 S-270 70310 43588-D 70619 S-190-C S-188-C 70467 S-600 S-604 S-224 70208 69276 111670 S-631	Screw, plate Screw, flat-head Spacer Spacer Support Switch, starting Switch Switch, toggle Tee, pipe Tube, primer Washer, safety, isolator Washer, vibration isolator Washer, plain  HOURMETER  Hourmeter Adapter, hourmeter drive Bracket, mounting Capscrew (1/4-128 × 3/4") Lockwasher (1/4") Lockwasher (5/32") Nut (1/4-28") Screw  THROTTLE CONTROL  Control assembly, throttle Block, wire clamp Capscrew (3/8-24 × 5/8") Capscrew (1/4-20 × 1/2") Clip Lockwasher (1/4") Lockwasher (3/8") Nut (1/4") Screw Spring Support		2 2 2 23 33 3 3 3 3 3 3 3 3 3 3 3 3 3 3

Eng	gini	e Ap	الور	cat	ion
В	BI	CI	1	ΙP	P
X	X	X		X	

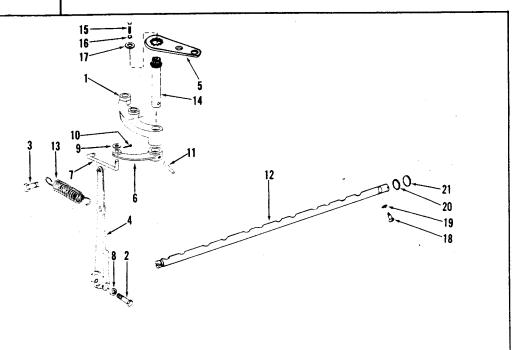
Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref No.
	ELECTRICAL EQUIPMENT				STARTER		
Electrical e	 equipment is not manufactured b	 by the Cumr	l nins		B, B1, C1 Applications		
Engine Compar may be obtai Company, at A Cleveland, Ohio	ny, Inc. Complete service for electored from the manufacturers: Anderson, Indiana, the Leece-Nevo; or from their service stations. A may be obtained from the manufa	trical equipm the Delco-Ri ille Company ddress of nea	nent emy /, at	185820 S-103-A 153581 S-603	Motor, starting (12 volt) Capscrew (5/8-11 x 2") Capscrew (5/8-11 x 2") Lockwasher (5/8")	1 2 1 3	
					MISCELLANEOUS		
designed to ad	ring gears and flywheel hous apt the Cummins Diesel to hund	reds of diffe	oeen rent		B, BI, CI Applications		
rinstallations. For this reason, these assemblies are not list.  Your Cummins Distributor will record flywheel, housing and ring gear part numbers in the front of this call.				102846 146458 184666 173241	Switch, ignition Switch, magneto Regulator, voltage (14 volt) Sticker, engine identification	1 1 1	i I
				,	GENERATOR		
	GASKET SETS		:		IP Application		
BM-68570 BM-68569 BM-77915 BM-68356	Engine gasket set (piston cooled) Engine gasket set (non-piston cooled) Cylinder head gasket set Fuel pump gasket set	1 1 1		124468 42568 121924 121925 178567 108707 S-155 S-112 106549 140193 S-604 S-610 S-606 139497 S-1319 S-602	Generator (24 volt) Baffle fan Bracket, front Bracket, rear Belt, generator Capscrew (3/8-16 x 1-1/2") Capscrew (7/16-14 x 1-1/2") Capscrew (3/8-16 x 1") Capscrew (3/8-24 x 1-3/4") Link, adjusting Lockwasher (3/8") Lockwasher (7/16") Lockwasher (7/32") Pulley, generator Screw, fillister head Washer, plain (13/32")	1 1 1 1 4 2 1 1 1 1 6 2 4 4 1 4 3	The same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the s
	1		1		STARTER		
	ALTERNATOR  B, B1, C1 Applications			185822 S-103-A 153581 S-604	Motor, starting (24 volt) Capscrew (5/8-11 x 2") Capscrew (5/8-11 x 2") Lockwasher (5/8")	1 2 1 3	i
183751 183 <b>7</b> 52	Alternator (14 volt) Bracket, alternator	1			VOLTAGE REGULATOR		
178626 134809 178436 S-112 S-153 S-103-D S-119-C 183754 S-604 S-610 S-217 S-223 183755 70057 70057-A S-602	Belt, "V" Belt, "V" Belt, "V" Belt Capscrew (3/8-16 x 1") Capscrew (7/16-14 x 5") Capscrew (3/8-16 x 1-1/4") Capscrew (7/16-20 x 3-1/4") Link, adjusting Lockwasher (3/8") Lockwasher (7/16") Nut (7/16") Nut (3/8") Pulley, alternator Shim, adjusting Shim, adjusting Washer, plain (13/32")	2 1 1 1 1 1 2 1 1 1 1 1		110713 111436 S-600 111923 S-224	Regulator, voltage (24 volt) Bracket Lockwasher (1/2") Mount, flexible Nut (1/4")	1 1 6 3 6	

ngine Application	n
B BI CI I IP P	2]
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Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	FRONT ENGINE SUPPORT					•	
BM-25423 S-612 S-218 S-213 43586	Support, front Lockwasher Nut, tie rod Nut, jam Rod, tie	1 4 8 4 2	12345				
	FLYWHEEL HOUSING SUPPORT						
21082 S-125 S-608	Support, fluoneel housing Capscrev. 1 2-13 x 2") Lockwasner 1/2")	1 4 4	(O T (O)				
	RADIATOR SUPPORT	-					
43584-A 70173 43585 S-145 S-125 S-169 S-127-C S-603 S-608 S-200	Brace, radiator Bracket, radiator Support, radiator Capscrev. 1 2-13 x 1-1/4") Capscrev. 1 2-13 x 2") Capscrev. 2 2-13 x 1") Capscrev. 3 9-11 x 1-3/4") Lockwasher (5/8") Lockwasher (1/2") Nut	1 1 2 2 8 2 4 4 12 2	10 11 8				

Engine Application
B BI CI I IP P
Remarks Optional

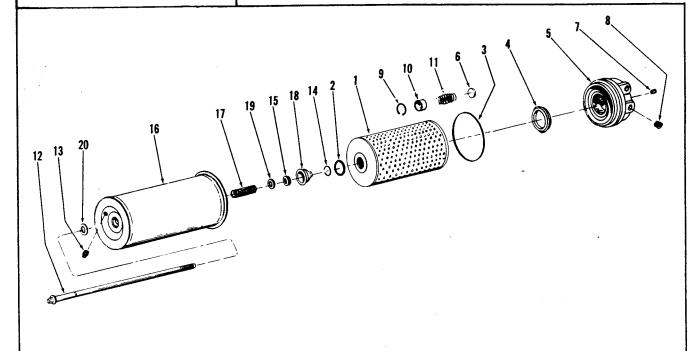


Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	COMPRESSION RELEASE						
41768 108707 S-108 S-118-A 43693 191241 66979 66980 S-604 S-605 S-600 43696 S-719 S-505 177018 189737 9237 139289 191229 S-631 S-679 62392	Bracket, compression relief Capscrew (3-8-16 x 1-1/2") Capscrew (5-16-24 x 5/8") Capscrew (1/4-20 UNC-2B) Lever, compression relief Lever, compression relief Lever Link, compression Lockwasher (3/8") Lockwasher (5/16") Lockwasher (1/4") "O" ring Plug, expansion Pin, taper Pin, groove Shaft, compression relief Screw, relief shaft lock Spring, compression relief Shaft, compression Washer, clain (9/32") Washer, (25/64") Washer, plain NOTE: Engines using Compression Release	1 2 1 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1	1 2 3 15 4 5 6 7 8 22 16 20 21 10 11 12 18 13 14 9 19				Management of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the con
ADD:							į
BM-47777	Tube, push	6					
OMIT						:	
BM-47778	Tube, push	6				i	

Eng	gin	. A	ppli	cat	ion
В	BI	CI	Ī	IP	P

Remarks Optional

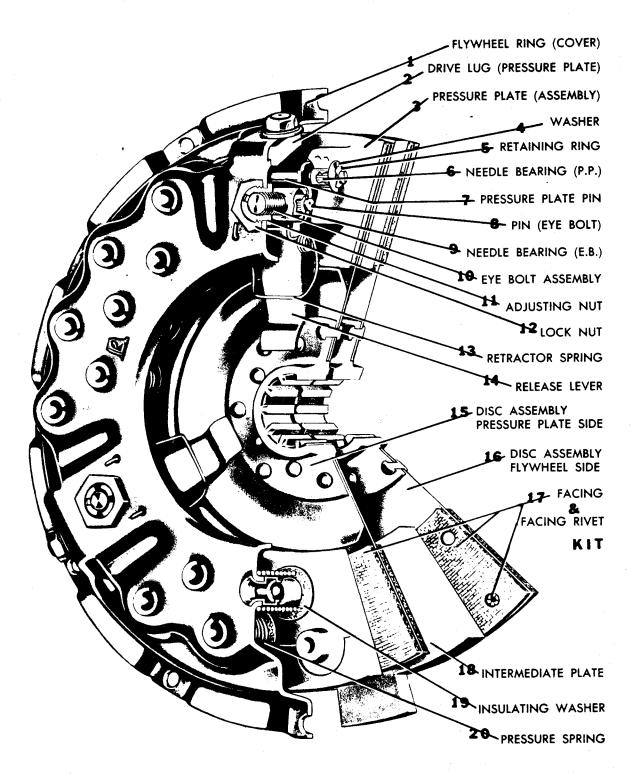
BENDIX-WESTINGHOUSE   AIR COMPRESSOR	
103702	
BM-53986 Drive, fuel pumpland compressor 1 102975 Coupting 1 121933 Gear 1 69550 Key 2 S-316 Key 2 S-316 Key 1 1 81236 Seal 1 181236 Seal 1 116388 Washer thrust 1 116388 Washer thrust A/R 116389 Washer thrust A/R 116390 Washer thrust A/R 116391 Bushing 1 103009 Capscrev 7/16-14 x 1-1/4") 2 S-100-A Capscrev 9/16-18 x 1-1/4") 1 S-155 Capscrev 7/16-14 x 1-1/2") 4 S-102-A Connector, flexible tube 3 102975 Coupling 1 103369 Coupling, splined 1 S-1095 Elrow, flexible fitting 2 S-1005-A Elbow, flexible fitting 1 103005 Gasket, compressor to drive 1	
102975         Coupling         1           121933         Gear         1           69550         Key         2           S-316         Key         1           S-207-A         Ebeknut         1           181236         Seal         1           121940         Shaft         1           116388         Washer thrust         A/B           116390         Washer thrust         A/B           116391         Bushing         1           103009         Capscrew 7/16-14 x 1-1/4")         2           S-100-A         Capscrew 7/16-14 x 1-1/2")         4           S-1002-A         Connector, flexible tube         3           102975         Coupling         1           S-1095         Elbow, flexible fitting         2           8-1005-A         Elbow, flexible fitting         1           103005         Gasket, compressor to drive         1	
121937   Gasket, drive to block	



Part Number	Part Name	No. Req.	Ref. No.	Part Number	Part Name	No. Req.	Ref. No.
	LUBRICATING OIL FILTER (Remote Mounted)						
252916 LF-516 153514 173368 252917 252990 177066 177058 153525 S-911-B S-908 254028 179063 167165 181592 173177 S-901 S-16245 153518 173313 173176 153521 153520 8265	Filter, lubricating oil Element (paper) Seal, element Gasket, shell to head Head, filter Head and adapter Adapter Head Disc, by-pass Plug, pipe Plug, pipe Ring, snap Seat, by-pass Spring, by-pass Shell and bolt Bolt Plug, pipe Ring, snap Seal, bolt Shell Spring Support Washer, bolt seal Washer, copper	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20				



CLUTCH PRESSURE PLATE ASSY. (Less discs Items 15 & 16)





2 of 2 2 1 4 2 8 3

Rel: 12-20-68

CLUTCH PRESSURE PLATE ASSY. (Does Not Incl. Items 15, 16, 17)

ITEM	FWD NO.	DESCRIPTION	QTY.
1	214445	Flywheel Ring (Cover)	1
2	214446	Drive Lug (Press. plate)	3
3	201556	Pressure Plate (Assembly)	1
4	202223	Washer	9
5	202224	Retaining Ring	3
6	214447	Needle Bearing	6
7	201641	Pressure Plate Pin	3
8	214448	Pin (Eye Bolt)	3
9	214449	Needle Bearing	3
10	214450	Eye Bolt Assembly	3
11	214451	Adjusting Nut	3
12	202207	Lock Nut	3
13	201560	Retractor Spring	3
14	214452	Release Lever	3
15	214285	Disc Assembly (Press. Plate side)	1
16	214284	Disc Assembly (Flywheel Side)	1
17	202225	Facing & Rivet Kit -per disc	1
18	201561	Intermediate Plate	1
19	202222	Insulating Washer	18
20	201559	Pressure Spring	18



517247-213134

WD-204

Rel: 5/23/67

## TRANSMISSION FULLER RTOF-910

NOTE: SERVICE PARTS ON TRANSMISSION #212885 ARE SAME
AS #517247-213134

ALL "O" RINGS AND THE SURFACES THAT OPERATE AGAINST THEM ARE TO BE LUBRICATED WITH DOW-CORNING 200, 50,000 CENTISTOKES LUBE

#### END PLAY TOLERANCE

REVERSE GEAR - ITEM 39, Page 14; .005-.038

lst, 2nd, 3rd & 4th .006-.012

SELECT CORRECT THICKNESS OF WASHER, (ITEM 22, PAGE 13 &

14) TO OBTAIN THE ABOVE TOLERANCE

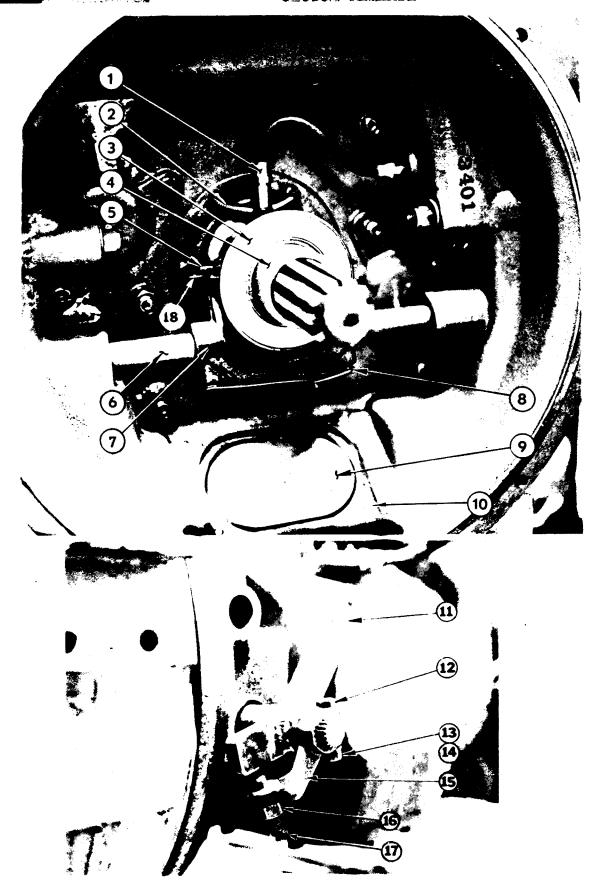
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WD-204

Rel: 5/23/67

RTOF-910 TRANSMISSION CHUTCH RELEASE



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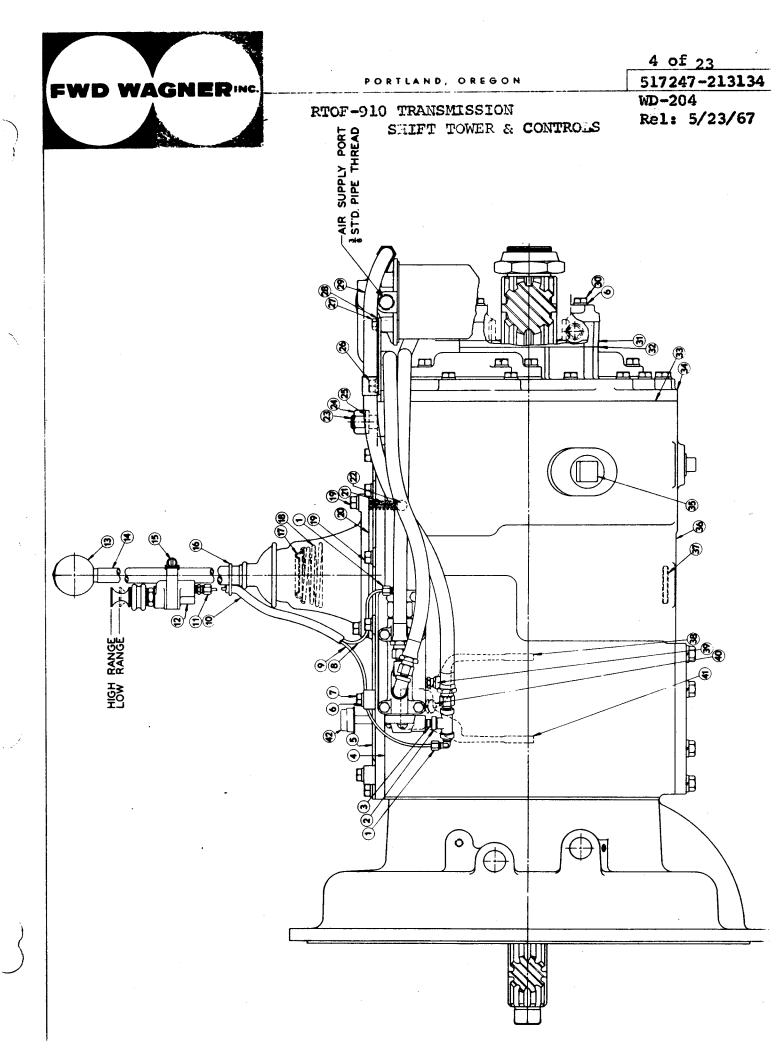
517247-213134

WD-204

Rel: 5/23/67

## RTOF-910 TRANSMISSION CLUTCH RELEASE

ITEM	FWD NO.	DESCRIPTION	QTY.
1	202772	Hose Assembly	1
2	202420	Spring	2
3	200444	Throw-Out Bearing	1
4	213537	Front Bearing Cover	1
5	213583	Throw-out Bearing Carrier	1
6	213584	Shaft-Pedal	1
7	213585	Throw-out Yoke	1
8	207187	Throw-out Yoke Capscrew	2
9	202388	Cover Plate	1
·10	Purch Loc	al Capscrew	
11	516863	Arm	1
12	207178	Capscrew	1
13	202309	Nut 3/8" NF	1
14	202320	Lockwasher 3/8"	1
15	202400	Adjusting Lever	1
16	202359	Nut 1/2" NC	1
17	202351	Adjusting Screw	1
18	208988	Spring	2





## 517247-213134

WD-204

Rel: 5/23/67

# RTOF-910 TRANSMISSION SHIFT TOWER & CONTROLS

			QTY.
ITEM	FWD NO.	DESCRIPTION	QIT.
1	213447	Connector	2
2	213448	Tee - Bottom Front Pipe	1
3	213449	Nipple - Bottom Front	1
4	213450	Gasket - Shift Bar Housing	1
5	213451	Housing & Plug - Shifting Bar	1
6	202320	Lockwasher - 3/8; Plain	6
7	202345	Capscrew $3/8-16 \times 1-3/4 \text{ Hx-H} d\lambda$ .	2
8	213452	Tubing-1/8" I.D. Nylaflow; Black	1
9	213453	Tubing-1/8" I.D. Nylaflow; White	1
±0	213454	Sheathing (For Tubing)	1
11	213455	Connector	2
12	213456	Master Valve Assembly	1
13	202385	Ball - Gear Shift Lever	1
14	517725	Lever - Gear Shift	1
15	213457	Clamp - Master Valve Mtg.	1
16	213458	Clamp "O" Ring, Tubing	2
17	202407	Washer - Gear Shift Lever	1
18	202406	Spring - Gear Shift Lever	1
19	202356	Capscrew 3/8-16 x 1-1/4 Hx. Hd.	12
20	202392	Gasket - Gear Shift Lever Hsg.	1
21	202409	Spring - Pos Finder, 4th & Dir	1
22	202368	Ball - 1/2 Steel	1
23	21 2450	Stud - Ton Rear Sun	2

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517247-213134

WD-204

Rel: 5/23/67

# RTOF-910 TRANSMISSION SHIFT TOWER & CONTROLS

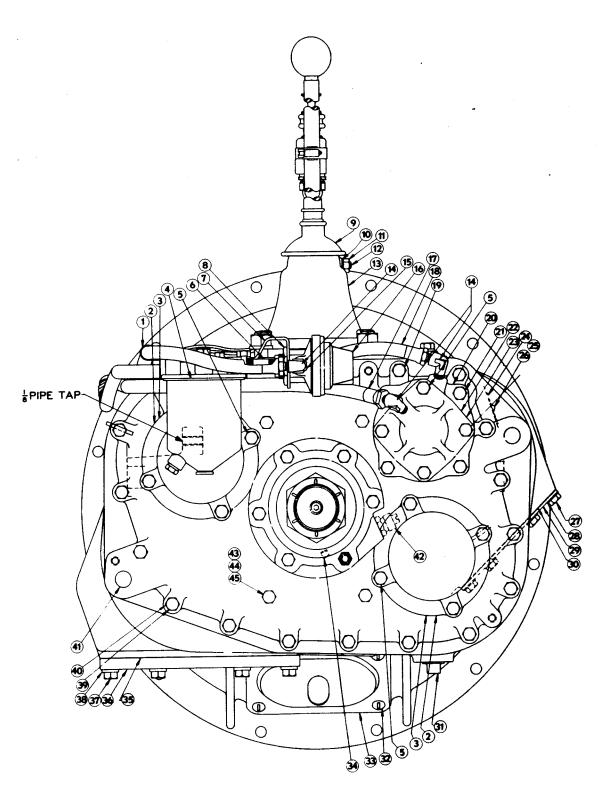
ITEM	FWD NO.	DESCRIPTION	QTY.
24	202312	Nut 5/8-18 N.FPlain	1
25	202324	Lockwasher 5/8-Plain	1
26	210049	Capscrew 3/8-16 x 3/4 Hx.Hd.	1
27	207172	Capscrew 1/4-20x1/2 Hx. Hd.	2
28		Washer 1/4 Plain	2
29	213460	Assembly; Flex Hose-27"	1
30		Capscrew 3/8-16 x 2-3/4 Hx.Hd.	1
31	213461	Cover-Aux. Rear Brg.& Spd.Mtr.Hsg.	1
32	213462	Gasket; Housing Rear Brg.& Spd Mtr.Hsg.	1
33	213463	Gasket-Rear Plate & Trans.Case	1
34	21 34 64	Rear Plate & Cover-Trans. Case	]
35	202365	Plug - Pipe; 1/4 Sq.	1
36	213465	Case - Transmission	1
37	213466	Disc - Magnetic	3
38	213467	Shift Yoke - 2nd & 3rd	1
39	210182	Valve - Bottom	1
40	202411	Lock Screw - Shift Yoke	5
41	213468	Shift Yoke - 4th & 5th	1
42	213469	Breather	1
		NOT ILLUSTRATED	
43	202672	Stud	4
44	202324	Washer 5/8"	4
45	202312	Nut 5/8"-18 N.F.	4

REAR VIEW



RTOF-910 TRANSMISSION

517247-213134 WD-204 Rel: 5/23/67



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WD-204

Rel: 5/23/67
\* Rev: 5/31/68

## RTOF- 910 TRANSMISSION REAR VIEW

			1 0-11
ITEM	FWD NO.	DESCRIPTION	QTY.
1	200162	Clamp-Hose	1
- 2	213541	Cover-Aux.Ctrshaft-Rear Brg.	2
3	213542	Gasket-Aux.Ctrshaft Rear Brg. Cover	2
*4	205525	Oil Filter	1
5	202356	Capscrew $3/8$ "-16 x $1-\frac{1}{4}$ Hx.Hd.	8
*6	213544	Nipple - Oil Flt.	1
*7	213545	Bracket - Oil Flt.	1
8	213546	Nut - Reg. Valve	1
9	210821	Boot-Gear Shift Lever	1 -
10		Lockwasher 5/16" Plain	1
11		Nut 5/16"-24 Elastic Stop	1
12	213547	Pin-Pivot; Ctr. Control	1.
13	213548	Housing - Gear Shift Lever	1
14	200160	Elbow - Street	1
15	202566	Bushing - Reducing	1
16	213549	Valve - Reg.	1
17	213460	Assembly - Flexhose 27"	1
18	213550	Assembly - Flexhose 29"	1
19		Capscrew 1/2-13 x 1-1/2 Hx. H.	4
20	213551	Gasket-Aux. Shift Cyl.	1.
21	207183	Capscrew 3/8-16 x 1-1/4 Hx Hd.	2
22	213552	Gasket - Aux. Shift Cyl. Cover	1
23	213553	Cover - Aux. Shift Cyl.	1



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WD-204

Rel: 5/23/67

## RTOF-910 TRANSMISSION REAR VIEW

ITEM	FWD NO.	DESCRIPTION	QTY.
24	213554	Name Plate	1
25	213555	Name Plate Screw	2
26	202367	Screw No. 7 x 5/16-Z-Type S Tap	2
27	210049	Capscrew 3/8-16 x 3/4 Hx.Hd.	2
28	202321	Lockwasher - 3/8"	1
29	210048	Cover - PTO opening	1
30	202393	Gasket - PTO cover-small	1
31		Plug - Pipe; 3/4 Sq.	1
32	202340	Capscrew 5/16-18 x 1/2 Rd. Hd.	4
. 33	213556	Cover - Clutch Housing	1
34	213557	Bushing	1
35	213558	Gasket - PTO; Large Cover	1
36	213559	Cover - PTO, Large	1
37		Capscrew 7/16-14 x 1-1/4 Hx. H.D.	8
38		Lockwasher-7/16; Plain	8
39	202320	Lockwasher 3/8; Plain	6
40	202345	Capscrew 3/8-16 x 1-3/4 Hx.H d.	15
41	213560	Pin - Rear Plate Dowel	2
42	202403	Plug	1
43	202312	Nut 5/8"-18 N.F. Plain	4
44	202672	Stud	4
45	202324	Washer 5/8"	4
1	1		1

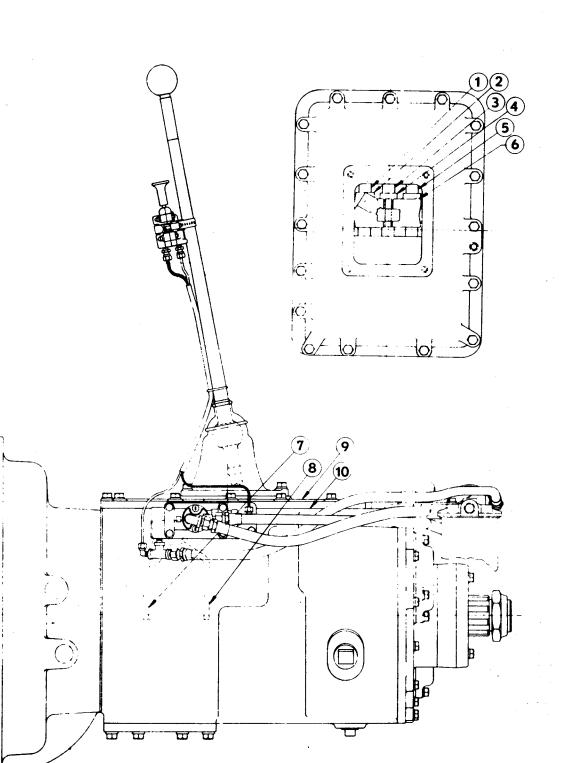
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517247**-213134** 

WD-204

RTOF-910 TRANSMISSION
FILTER, PLUMBING & SHIFT
FORKS



MODEL RTF-910 & RTOF-910



517247-213134

WD-204

Rel: 5/23/67

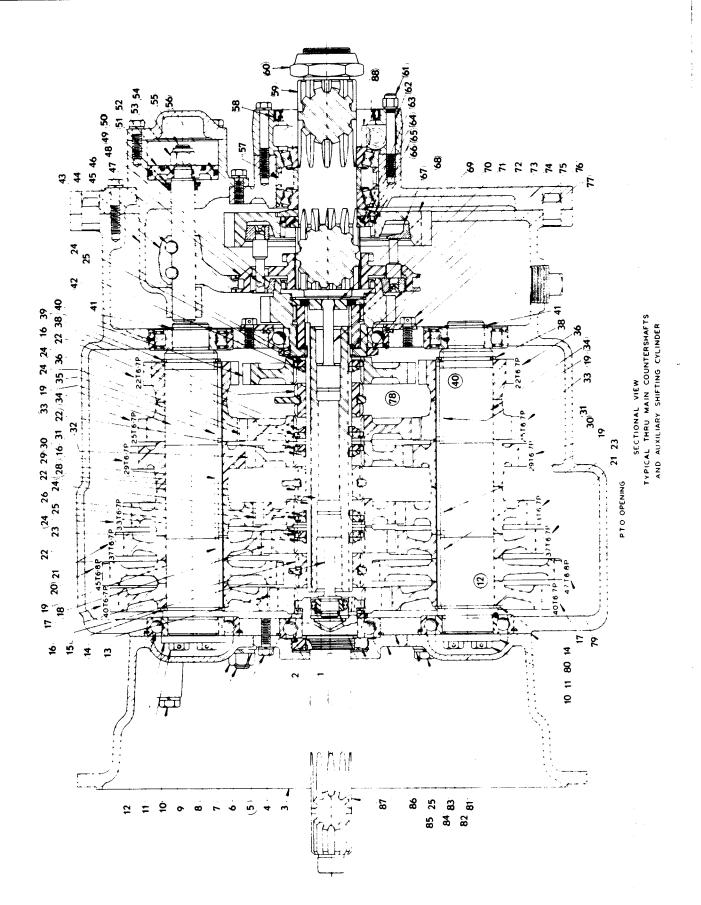
## RTOF-910 TRANSMISSION FILTER, PLUMBING & SHIFT FORKS

ITEM	FWD NO.	DESCRIPTION	QTY.
1	213571	Yoke Bar - 1st & Rev.	1
2	213572	Yoke - 1st & Rev.	1
3	213573	Yoke Bar 2nd & 3rd	1
4	213574	Shift Block 2nd & 3rd	1
5	213575	Yoke Bar 4th & 5th	1
6	213576	Shift Block - 4th & 5th	1
7	213468	Shift Yoke 4th & 5th	1
8	213467	Shift Yoke 2nd & 3rd	1
9	213451	Housing - Shift Bar	1
10	213450	Gasket - Shift Bar Housing	1
1			
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	1		

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RTOF-910 TRANSMISSION SECTION (VIEW

ND-204 Rol: 5/23/07





517247-213134

WD-204

Rel: 5/23/67

## RTOF-910 TRANSMISSION SECTION VIEW

	ITEM	FWD NO.	DESCRIPTION	QTY.	
	1	213470	Roller Bearing	1	
	2	213471	Ball Bearing	1	
	3	213472	Clutch Housing & Bushing	1	
	4	213473	Spacer	1	
	5	. 02356	Capscrew 3/8-16 x 1-1/4 Hex HD.	2	
	6	202324	Lockwasher 5/8" Plain	8	
	7	21.3474	Stud	6	
	8	202312	Nut 5/8-18 NF Plain	8	
	9		Capscrew 1/2-13 x 3-1/2 Hex Hd.	2	
	10	200057	Capscrew 1/2-20xl Hex. Hd.	4	4
	11	02475	Retainer	2	
	12	213475	Ball Bearing	2	
	13	2134/6	Gear (Drive)	1	
	14	213477	Washer	1	*
	15	N S.S.	Qu'll See Item 29		
	16	213478	Clutch	3	
-	17	213479	Gear	2	
	18	213480	Gear (M-Shaft-O.D.)	1	
	19	213481	Key	4	
1	20	213482	Gear (Center Shaft PTO)	1	
	21	213483	Gear	2	
		SEI	ECT FROM FELLOWING TO OBTAIN CORRECT CLEARANCE		
	22(a)	213484	Washer248250 Thick	1	•

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517247-213134

WD - 204

Rel: 5/23/67

## RTOF-910 TRANSMISSION SECTION VIEW

ITEM	FWD NO.	DESCRIPTION	QTY.
22(b)	213485	Washer253255 Thick	1
(c) (e) (d) (f) 23	213486 213698 213487 213699 213488	Washer268270 Thick Washer258260 Thick Washer273275 Thick Washer263265 Thick Gear	1 1 1 2
24	213489	Spacer (M-Shaft	5
25	213490	Snap Ring	6
26	213491	Gear (M-Shaft 3rd)	1
22	213484	Washer	1
28	213492	Key	1
29	213493	Mainshaft Assembly	1
30	213494	Key	2
31	213495	Gear	2
32	213496	Gear (M.Shaft 2nd)	1
33	213497	Countershaft	2
34	213498	Countershaft	2
35	213499	Gear (M-Shaft 1st)	1
36	213500	Gear	2
38	202423	Snap Ring	2
39	213501	Gear (M-Shaft-Reverse)	1.
40	213502	Roller Bearing	2
41	213503	Snap Ring	2
42	213484	Washer	

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517247-213134

WD-204

Rel: 5/23/67

# RTOF-910 TRANSMISSION SECTION VIEW

ITEM	FWD NO.	DESCRIPTION	QTY.
43	?1350 <b>4</b>	Cylinder	1
!		Yoke	1
14	213505	•	
45		Capscrew 1/2-20x2 Hx.Hd.	2
46	213506	Clutch	1
47	<b>2135</b> 0 °	Spring	3
48	213508	Assembly	1
49	213509	"O" Ring	1
50	21351	Snap Ring	1
51	213511	Fiston	1
52	213512	"O" Ring	1
7.3		Nut 5/8-18	1
54	213513	i Ring	1
55	213514	Yoke Bar	1.
56	213515	"O" Ring	1
57	213517	Roller Bearing	1
58	213124	Oil Seal	1
59	213516	Mainshaft - Aux.	1
60	213522	Nut	1
61		Nut 3/4-24 NF	1
62	213518	Stud	
63	213519	Washer	
64	213520	Washer	
65	213521	Washer	



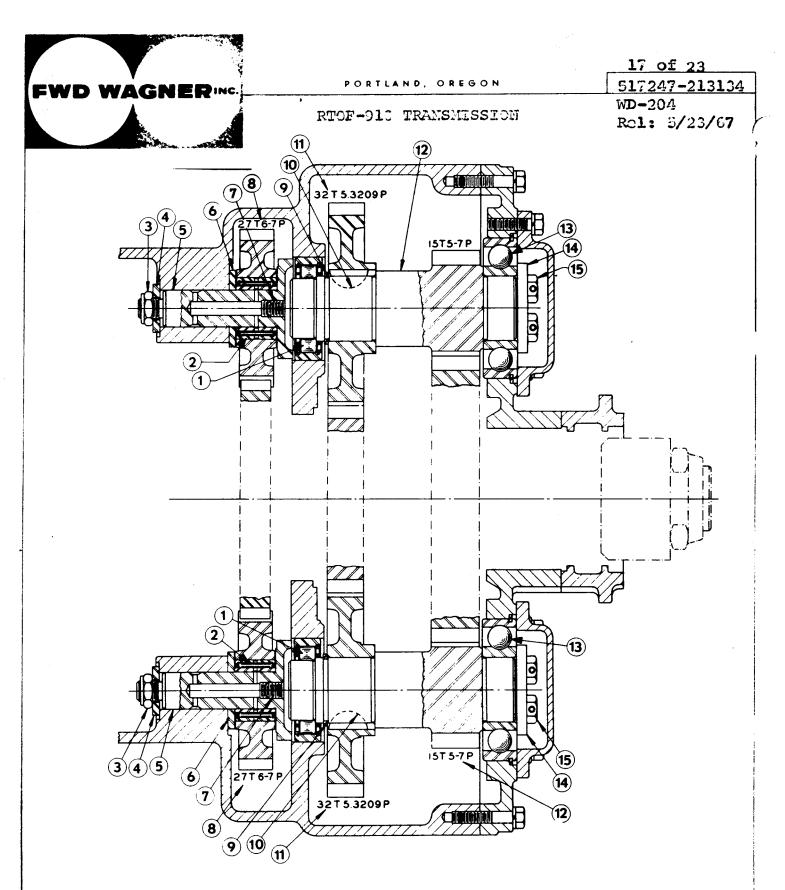
## 517247-213134

WD-204

Rel: 5/23/67

# RTOF-910 TRANSMISSION SECTION VIEW

			077
ITEM	FWD NO.	DESCRIPTION	QTY.
<b>6</b> 6	<b>2135</b> 23	Snap Ring	1
67	213524	Assembly	1
68	<b>213</b> 525	Gear	1
69	<b>2135</b> 26	Support	1
70	213527	Snap Ring	1
71	213528	Coupling	1
72	N.S.S	Quill See Item 29	
73	213529	Gear - Aux. Drive	1
74	213530	Snap Ring	2
75	213531	Nut	1
76		Capscrew 3/8-16xl Hex Hd.	6
77	213532	Retainer	1
78	213533	Ball Bearing	
79	213534	Gear	
80	213535	Gasket (Hsg)	1
81	202353	Capscrew 1/2-13 x 1-1/2 Hex. Hd.	2
82	202322	Lockwasher - 1/2 Plain	4
83	213536	Gasket	1
84	213537	Cover - Front Bearing	1
85	202539	Nut; Drive Gear Bearing	1
86	213538	Snap Ring - M.Shaft, Front Quill	1
87	213539	Shaft: Drive	1
88	213540	Spacer	1



SECTIONAL VIEW
TYPICAL THRU IDLER GEAR SHAFTS
AND AUXILIARY COUNTERSHAFTS



517247-213134

WD-204

Rel: .5/23/67

# RTOF-910 TRANSMISSION SECTION VLEW THRU IDLER GEAR & AUXILIARY COUNTERSHAFTS

ITEM	FWD NO.	DESCRIPTION	QTY.
1	202435	Roller Bearing	2
2	213561	Bearing	2
3		Nut 5/8" 18N.F. Els Stop	2
4	213562	Plate	2
5	213563	Shaft	2
6	213564	Washer	2
7	213565	Plug	2
8	213566	Gear	2
9	213567	Snap Ring	2 .
10	210033	Key No. 1210 3/8 x 1-1/4"	2
11	213568	Gear	2
12	213569	Countershaft	2
13	213570	Ball Bearing	2
14	202475	Retainer	2
15	200057	Capscrew 1/2" 20 xl Hx. Hd.	4
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		<b>1</b>	1

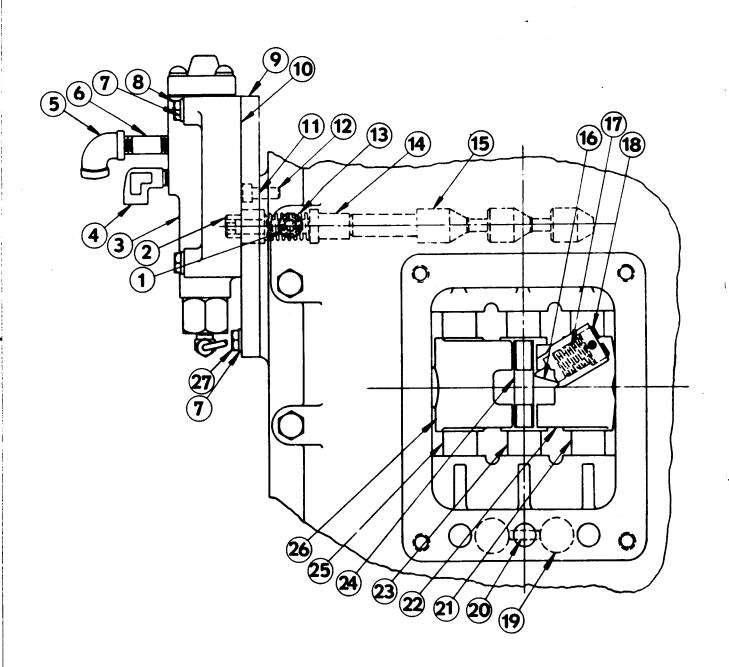
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Rel: 5/23/67



RTOF-910 TRANSMISSION



PLAN VIEW SHOWING SLAVE VALVE AND ACTUATING PARTS



517247-213134

WD-204

Rel: 5/23/67

# RTOF-910 TRANSMISSION PLAN VIEW - SLAVE VALVE & ACTUATING PARTS

ITEM	FWD NO.	DESCRIPTION	ATY
1	213469	Breather	QTY.
2	213577	Sleeve	1
3	213578	Valve Assembly - Range Shift	1
4	200160	Elbow - Street	2
5	202413	Elbow	1
6	210183	Nipple - Pipe	1
7	202316	Lockwasher 1/4" Plain	6
8	200154	Capscrew 1/4"-20x 1-3/4 Hx Hd.	4
9	213579	Plate	1
10	202728	Gasket	,
11	213580	Gasket	1.
12		Capscrew 1/4"-20 x 5/8 Soc. Hd.	2
13	202463	Spring	1
14	213581	Pin	1
<b>1</b> 5	213582	Shaft	1
16	202653	Plunger	1
17	202463	Spring	1
18	202546	Plug	1
19	202369	Ball - 3/4"; Steel	2
20	202386	Pin	1
21	213571	Yoke Bar 1st & Rev.	
22	213572	Shift Yoke lst & Rev.	1
23	213573	Yoke Bar 2nd & 3rd	1



517247-213134

WD-204

Rel: 5/23/67

# RTOF-910 TRANSMISSION PLAN VIEW - SLAVE VALVE & ACTUATING PARTS

		<b>P</b> .	٠
ITEM	FWD NO.	DESCRIPTION	QTY.
24	213574	Shift Block 2nd & 3rd	1
25	213575	Yoke Bar 4th & 5th	1
26	213576	Shift Block 4th & 5th	1
27		Capscrew 1/4" -20 x 7/8 Hx. Hd.	2
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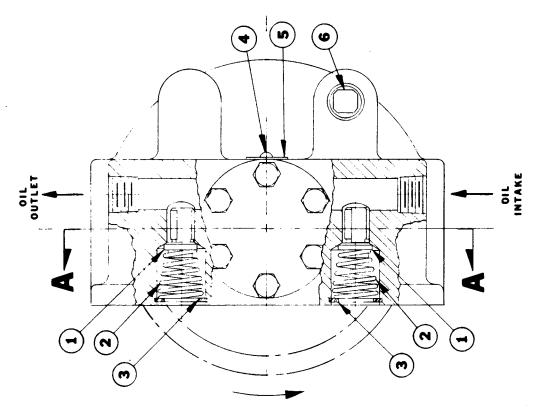
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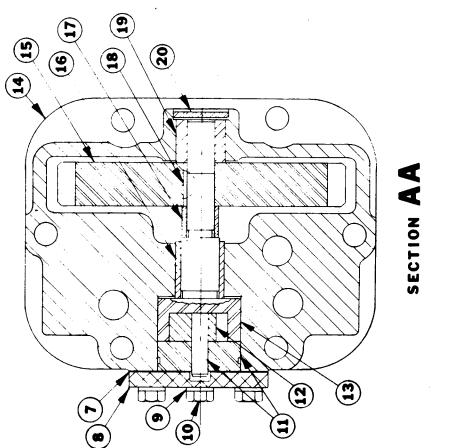
517247-213134

WD-204

Rel: 5/23

RTOF-910 TRANSMISSION OLD PUMP ASSEMBLY







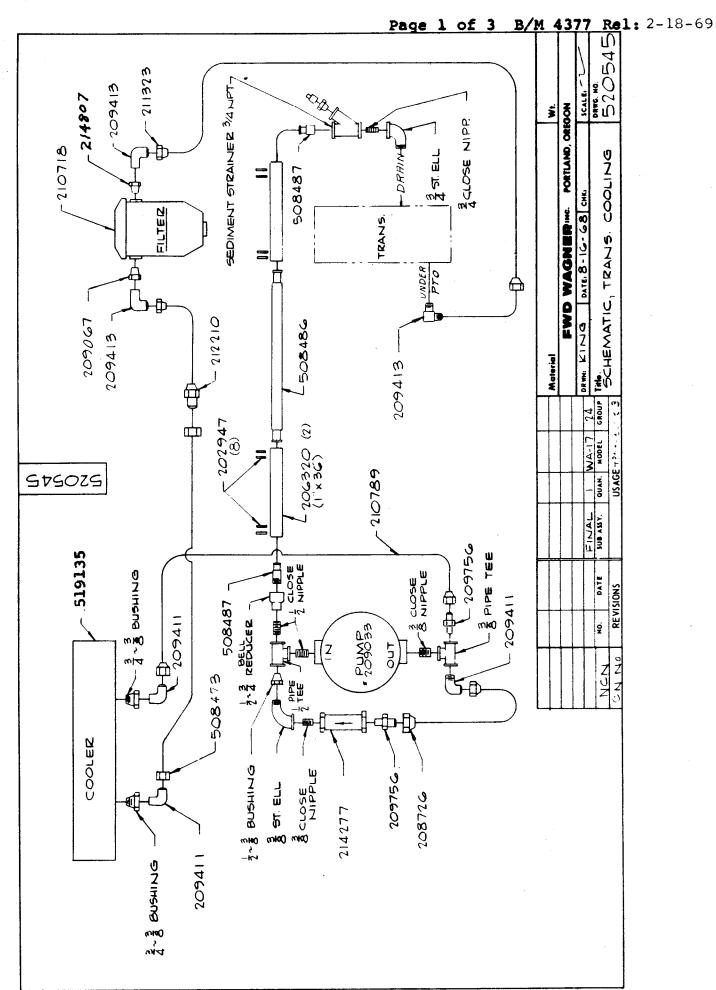
517247-213134

WD-204

Rel: 5/23/67

## RTOF-910 TRANSMISSION OIL PUMP ASSEMBLY

ITEM	FWD NO.	DESCRIPTION	QTY.
	213613	Pump Assembly	1
1	209027	Valve .	2
2	209025	Spring	2
3	209026	Ring	2
4		Screw	2
5		Name Plate	1
6	202363	Pipe Plug 7/8"	1
7	209021	Gasket	1
8	213614	Head	1
٠,	202316	Lockwasher 1/4"	6
10	202336	Capscrew 1/4-20 x 3/4" Hex	6
11	209022	Pivot Pin Assembly	
12	209020	Gear	1
13	209019	Rotor	1
14	209028	Housing	1
15	213615	Gear	1
16	209017	Bushing	1
17	209016	Spacer	1
18	209015	Woodruff Key	1
19	209014	Bushing	1
	202468	Plug - Expansion	1
	i ! i		





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B/M 4377

Rel: 2-18-69

# ENGINE AND TRANSMISSION (NH-220 RTOF-910 TRANS. COOLER)

FWD NO.	DESCRIPTION	QTY.
519135	Cooler Assembly - Trans.	1
519145	Cover - Trans. Cooler	1
519146	Gasket - Cover	1
214018	Core - Cooler	1
214019	Gasket - Core	2
214020	Nut - Core	2
204389	Seal Washer	11
207563	Seal Washer	2
	Capscrew 3/8-16 NC x 3/4" LgStainless Steel	11
	Capscrew 1/2-20 NC x 5-3/4" Lg. Gr. 5	2
210718	Filter	1
	Sediment Strainer	1
508486	Pipe - Suction	1
508487	Adapter	2
209033	Pump	1
214277	Check Valve	1
202947	Hose Clamp	8
206320	Hose l" I.D. x 1-1/2" O.D.	2
209756	Adapter	2
209413	Adapter	3
209411	Adapter	3
214807	Adapter	2
	519135 519145 519146 214018 214019 214020 204389 207563 210718 508486 508487 209033 214277 20947 206320 209756 209413 209411	Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Sign



3 of 3 5 2 0 5 4 5

B/M 4377

Rel: 2-18-69

# ENGINE AND TRANSMISSION (NH-220 RTOF-910 TRANS. COOLER)

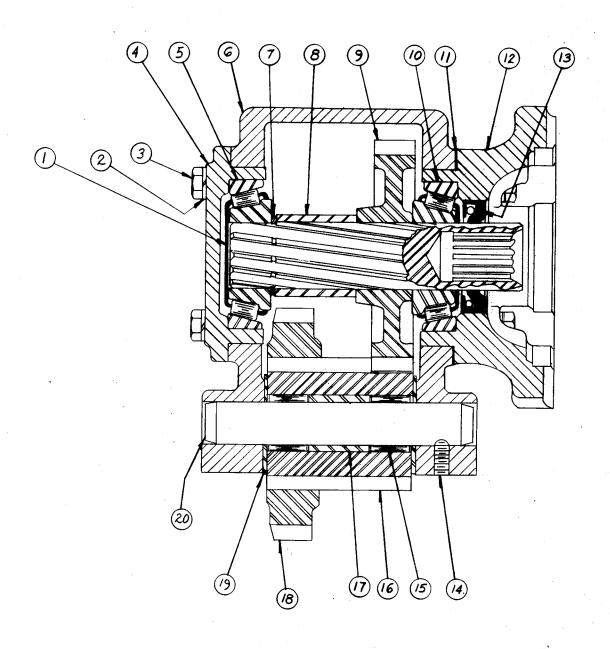
ITEM	FWD NO.	DESCRIPTION	QTY
	211323	Hose Assembly	1
	212210	Hose Assembly	1
	210789	Hose Assembly	1
	208726	Hose Assembly	1
	508473	Tube Assembly	1
		Bushing 3/4-3/8 NPT	2
		Bushing 1/2-3/8 NPT	1
•		Close Nipple 1/2 NPT	2
		Close Nipple 3/8 NPT	2
		Close Nipple 3/4 NPT	1
		Bell Reducer 1/2-3/4 NPT	1
		Pipe Tee 1/2 NPT	1
		Pipe Tee 3/8 NPT	1
		Street Ell 3/4 NPT	1
		Street Ell 3/8 NPT	1
	510406	Mtg. Plate	1
	509145	Gusset	2



Page 1 of 4

2 1 4 5 0 9

HYA-22L-C3-113 Rel: 2-10-69

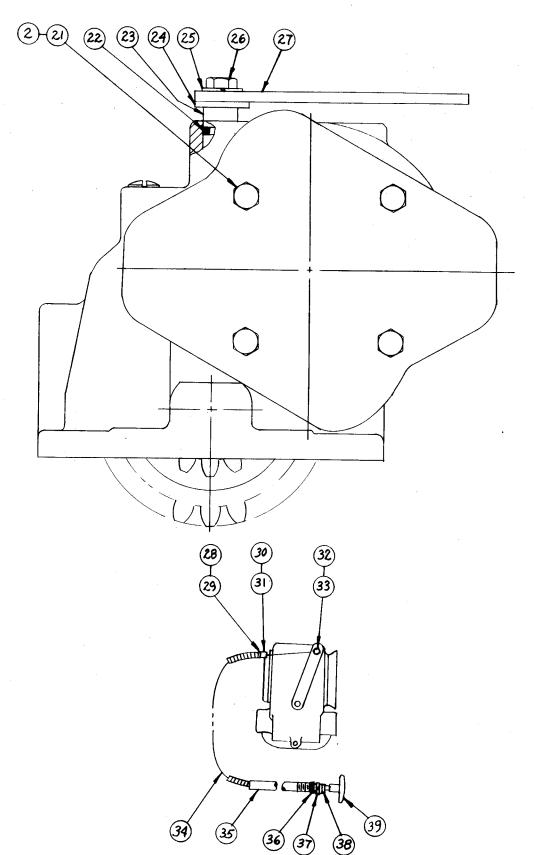




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214509

HYA-22L-C3-113 Rel: 2-10-69





3 of 4

HYA	-2	2Ļ	- <b>C</b> 3	_	1	1	3
Rel	:	2-	10-	6	9		

ITEM	FWD NO.	DESCRIPTION	QTY
1	208626	Drive Shaft	1
2	5/16"	Lockwasher	3
3	5/16-18×1"	Capscrew	3
4	208627	End Cap	1
5	208628	Bearing Assy.	1
6	208629	Housing	1
7	208630	Lock Ring	1
8	208631	Spacer	1
9	208632	Driven Gear	1
10	208633	Bearing Assembly	1
11	208634	Gasket (.010" Thick)	A.R
	208635	Gasket (.020" Thick)	
12	214745	Pump Adapter Flange	1
13	208637	Seal	1
14		4 x 20 x 3" Set Screw Socket Head	1
15	208638	Needle Brg. Roller (23 per set)	2
16	208639	Driving Gear	1
17	208640	Spacer	1
18	208641	Sliding Gear	1
19	208642	Thrust Washer	1
20	208643	Idler Shaft	1
21		5/16-18 x 1½" Capscrew	4

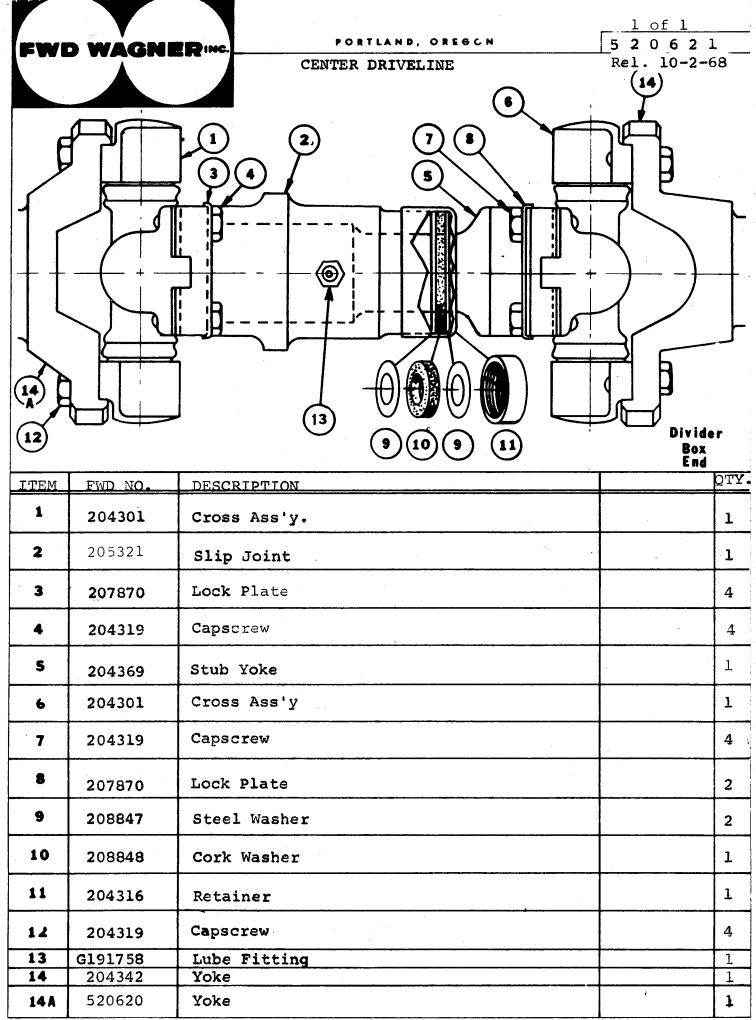


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HYA-22L-C3-113

**Rel: 2-10-69** 

<u></u>	Γ		
ITEM	FWD NO.	DESCRIPTION	QTY.
22	208644	"O" Ring	1
23	208645	Post & Arm Assy.	1
24	208646	Washer	1
25	5/16"	Lockwasher	1
26	5/16-24 x	5/8" Capscrew	1
27	208647	Lever	1
28	208648	Cotter Pin	1
29	208649	Eye Bolt	1
30	5/16-18 x	1-1/8" Capscrew	1
31	208650	Wire Control Bracket	1
32	1/4-20 x	1/2 Set Screw	1
33	208651	Swivel Pin	1
34	208652	Control Wire & Rod Assy.	1
35	208653	Control Tube & Casing Assy.	1
36	208654	Jam Nut	1
37	208655	Lockwasher	1
38	208656	Packing Nut	1
39	208657	Knob	1
	214746	Mounting Kit - NOT ILLUSTRATED	1
	214387	Adapter Plate-PTO to Trans NOT ILLUSTRATED	1
t i	522196	Shim - PTO to Pump - NOT ILLUSTRATED	



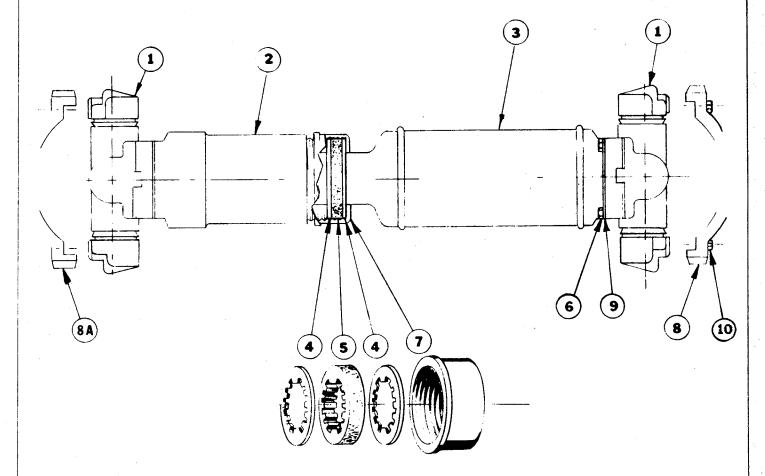


1 of 1

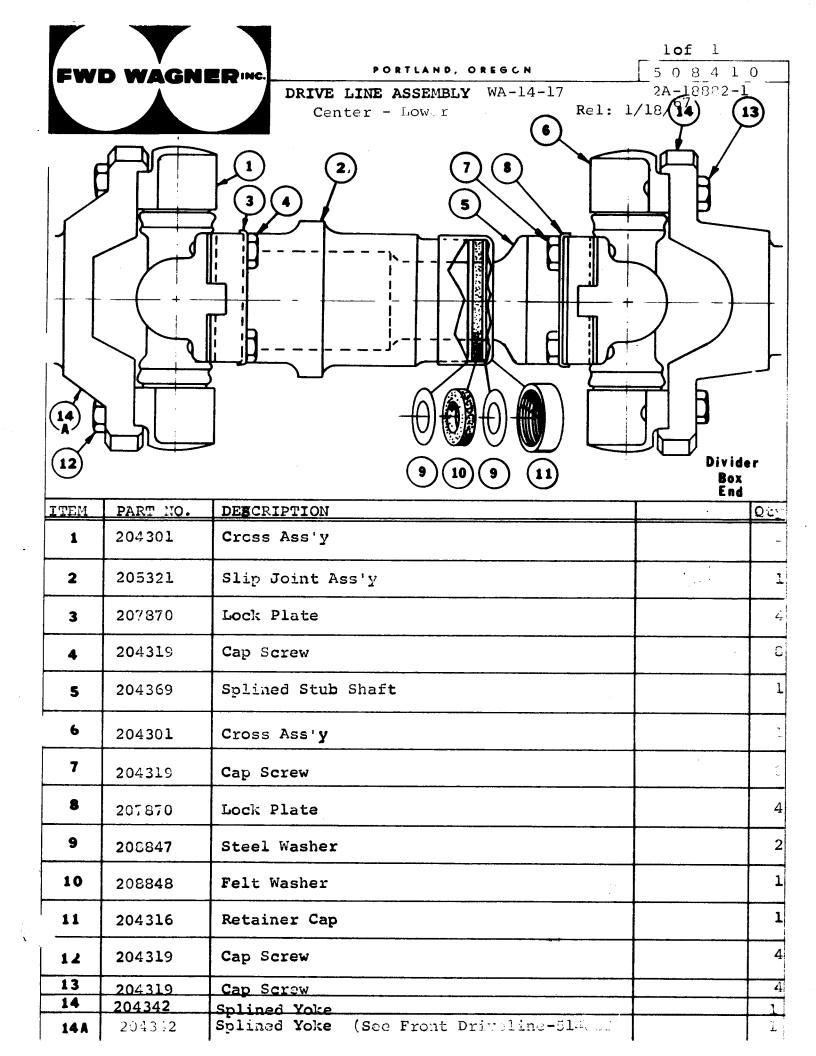
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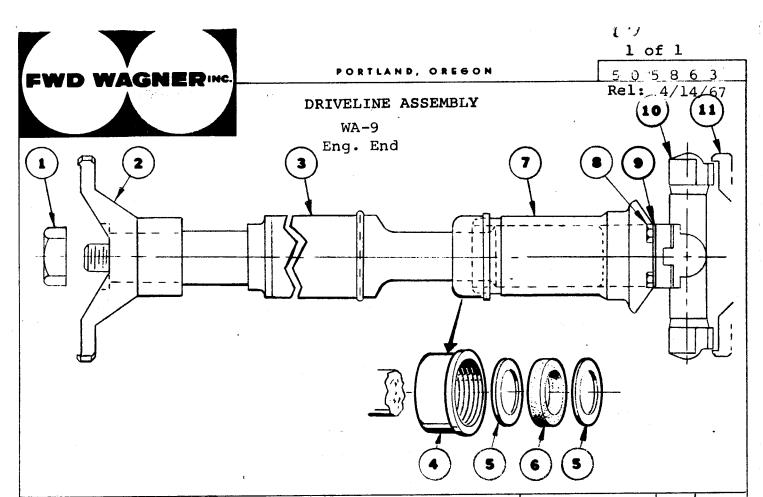
2A-15924-1 Rel: 1/18/67

DRIVEDINE ASSEMBLY
WA-14-17



ITEM	FWD 200.	DESCRIPTION	QTY
1	2043 1	Cross Assembly	2.
2	2042	Slam Ya.	ì.
3	70.421	Probabler Shaft	1
4	20000	Stael Washer	2
5	208843	F. l Was': r	11_
6	204319	Capscrow	4
7	20431.	R. aiaer Cap	1
8	206"1-	Solined Yoke - Divider Bex	1
8 A		S. Axla Diff. Group	<del> </del>
9	20 870	ock Plate	4
10	204319	Cin Sorow <sup>a</sup>	4

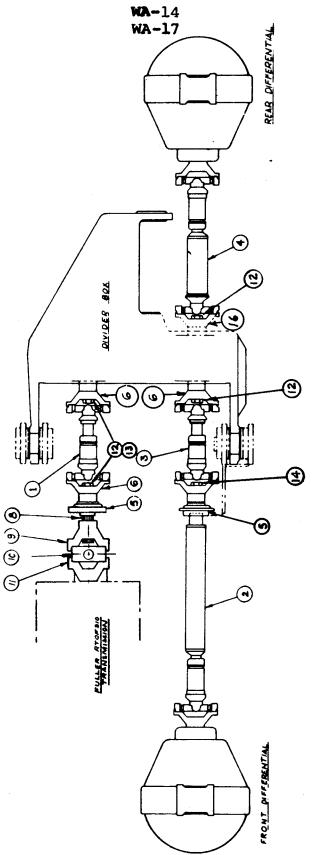




nin's	FWD NO.	DESCRIPTION	QTY
:	204247	Nut	1
		Fitting Yoke	
	၁၀၁၀၀4	Propellor Shaft	1
	204316	Retainer Cap	1
	.∂083 <b>4</b> 7	Steel Washer	2
	ab8 <b>848</b>	Felt Washer	1
	20/4277	Slip Yoke	1
	204319	Cap Screw	
	207370	Lock Plate	4
10 ·	204301	Cross Assembly	1
11		See Axle Assembly	
FORM.NW	<u> </u>		 <del></del>

B/M 4366 Rel. 10-1-68

DRIVE LINES



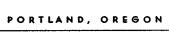


Page 2 of 2 B/M 4366

Rel: 10-1-68

# DRIVELINES WA-14 WA-17

		WA-17	
ITEM	FWD NO.	DESCRIPTION	QTY.
1	520621	Driveline Assembly - Center Upper	1
2	505863	Driveline Assembly - Engine End	1
3	508410	Driveline Assembly - Center Lower	1
4	508420	Driveline Assembly - Draw Bar End	1
5	506786	Bearing Assembly - Upper Center	1
5	520928	Bearing Assembly - Lower Center	1
6		Yoke (See Divider Box)	
8	516118	Driveline Shaft	1
9	204346	Yoke	1
10	204302	Journal Bearing Cross	1
11	213117	Yoke	1
12	500598	Washer	4
13	504068	Nut	4
14	204247	Nut	1
16		Yoke (See Divider Box)	
		NOTE: SEE ATTACHED SHEETS FOR DETAILS ON ABOVE DRIVELINES	
1			
1			
1			1



P.B. 400-69 Rel: 3/31/69

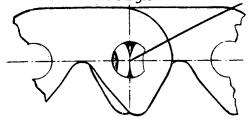
PARTS BULLETIN: 400-69

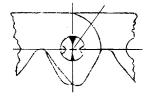
SUBJECT: DIVIDER BOX CHAIN, (NEW DESIGN).

TO: ALL DEALERS.

ATTENTION: PARTS MANAGERS.

The manufacturer of the subject chain, has changed the design of the rocker pins and the opening in the links where the rocker pins are inserted. The following illustrations show the old and new design.





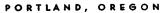
NEW DESIGN

OLD DESIGN

As you can see from the above illustration, the change consists of elimination of the key projection that was used in the old design. The important information to you, is that first, the manufacturer advises that the new design pins and half-links cannot be used to repair the old design chain, and second, the manufacturer also advises that the old design is not available for service parts replacement. This means that when our present inventory of the old design half-link and pins are sold, it will be necessary to buy a complete new chain for service replacement.

The above applies to both the one inch pitch chain that is being used in current production and has been for several years, and the three quarter inch pitch that was used previously in four inch, five inch and six inch width. As the old design and the new design chains are interchangeable as complete chain assemblies, there will be no part number change on the three quarter inch pitch chains. To repeat, we will supply the old design as long as our inventory lasts, and will supply the new design when it becomes necessary. If an order is recieved for a half-link assembly after our old design stock is sold out, you will be advised that it will be necessary to order a complete chain.

Because the manufacturer advises that the old design and the new design cannot be inter-mixed, we have assigned a new part number to the divider box, and to the new design one inch pitch chain. The new divider box number is, #522516, and the new design chain,



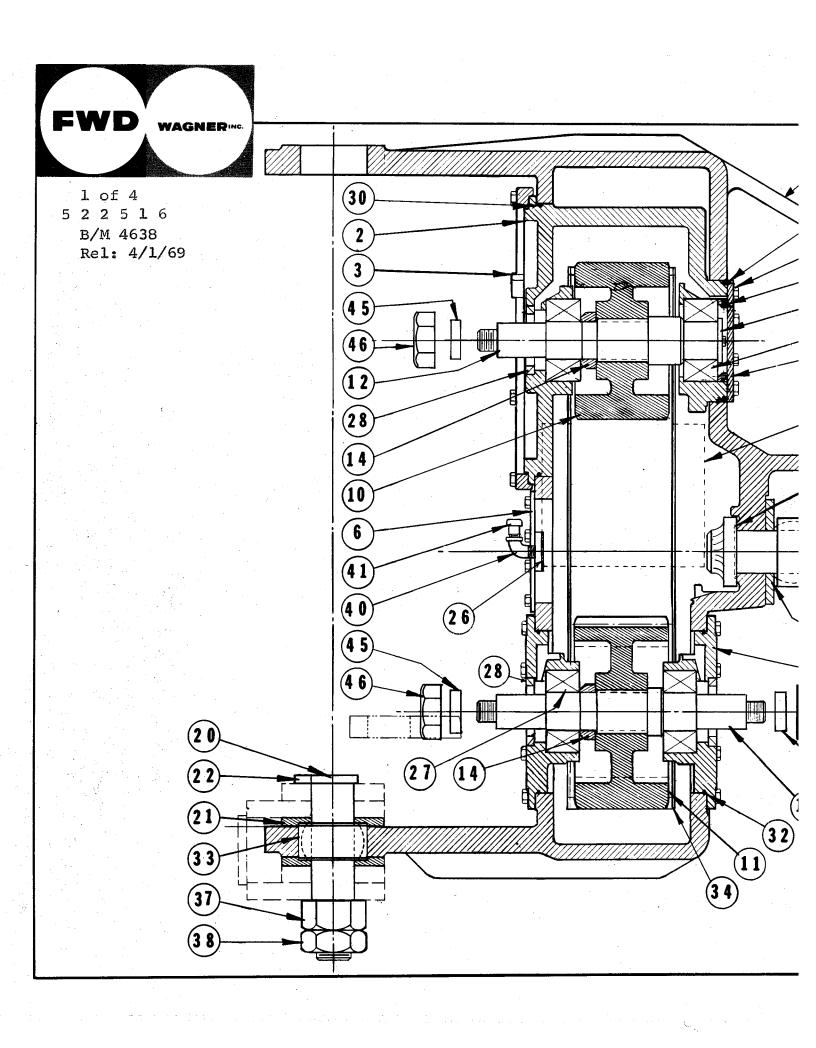


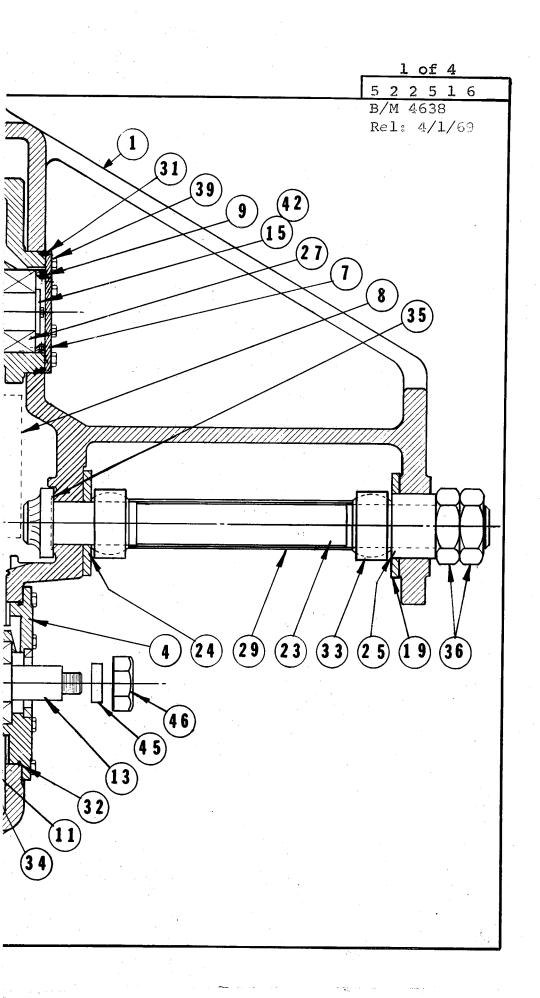
P.B.400-69

Rel: 3/31/69

one inch pitch by six inch width, is #214910. The new divider box number will be indicated on the master check sheet for the units that will recieve them.

FWD WAGNER





2 of 4 5 2 2 5 1 6

B/M 4638 Rel; 4-1-69

DIVIDER BOX - WA-14-17

ITEM	FWD NO.	DESCRIPTION	QTY.
1	503509	Case	1
2	502337	Cage - Input	1
3	500470	Lock Ring - Chain Adj.	1
4	511029	Cover Plate - Output	2
5	517601	Arm - Steering (Weld On Replacement Not Illust.)	2
6	520288	Inspection Plate - Front	1
7	500468	Inspection Plate - Input	1
8	500469	Inspection Plate - Side	1
9	511026	Spacer - Brg.	1
10	502673	Sprocket - 28 T	1
11	502672	Sprocket - 35 T	1
12	511027	Shaft - Input	1
13	511028	Shaft - Output	1
14	511025	Spacer - Shaft	2
15	502341	Keeper - Brg.	1.
19	511092	Thrust Washer (Order to obtain correct clearance) <u>Thickness</u> (See Div. Box Overhaul  Instructions)	
19A	511093	Thrust Washer .507503	
19B	511094	Thrust Washer .517513	
19C	511095	Thrust Washer .527523	
<b>1</b> 9D	511096	Thrust Washer .537 - 533	
19E	511097	Thrust Washer .547543	
<b>1</b> 9F	511098	Thrust Washer .557553	

3 of 4 5 2 2 5 1 6 Re1; 4/1/69

B/M 4638

## DIVIDER BOX - WA-14-17

ITEM	FWD NO.	DESCRIPTION	QTY.
20	500441	Hinge Pin	2
21	500442	Thrust Washer -Hinge	4
22	500243	Lock - Pin	2
23	501006	Swivel Pin Ass'y.	1
24	511039	Thrust Washer - Swivel (Front)	1
25	500481	Spacer - Swivel	1
26	503502	Baffle-Breather	1
27	211207	Bearing	4
28	204396	Seal - $(2\frac{15}{16}")$	3
29	511041	Spacer - Swivel Bearing	1
30	203505	"O" Ring	1
31	203485	"O" Ring	1
32	203561	"O" Ring	2
33	204503	Bearing	4
34	214910	Chain 1"P, HY-VO, 74 LKS, 6" wide	1
35	203521	"O" Ring	1
36		Nut - HEX JAM 2 1/2 12 THD	
37		Nut - HEX - 2" - 12 THD	2
38		Nut - HEX JAM - 2" - 12 THD	2
39	204389	Washer	6
40		Street Ell - 3/8"	1
41	200268	Breather Cap S-W 313650 (3/8 NPT)	1
<u> </u>			<u> </u>



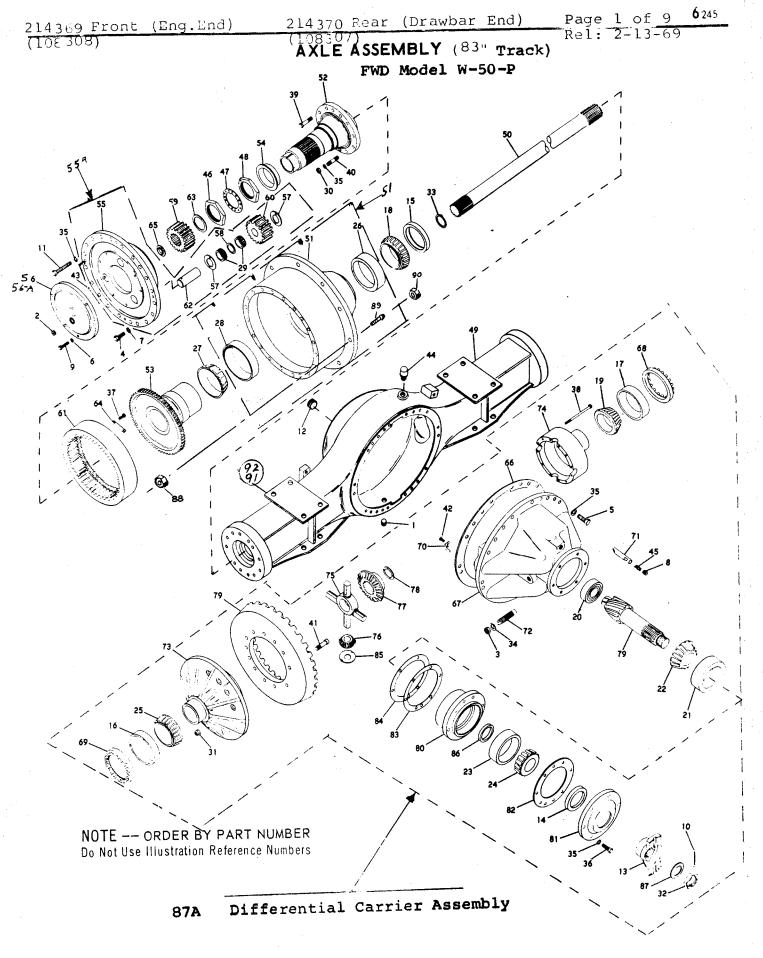
4 of 4

5 2 2 5 1 6 B/M 4638

Rel: 4/1/68

## DIVIDER BOX - WA-14-17

L			
ITEM	FWD NO.	DESCRIPTION	QTY.
42	504173	Lock Plate	1
43	201319	Plug - Magnetic - (Not Shown)	1
44	214911	Half-Link Ass'y. (For Chain Adj.)	
45	500598	Washer	1
46	504068	Nut	1
	214912	Rocker Pin Set	AR





PORTLAND, OREGON Eng. End

D.B. End

2 1 4 3 6 9 2 1 4 3 7 0

AXLE ASSEMBLY (83" TRACK)
Engine End - 108308

Rel: 2-13-69

Drawbar End - 108308

ITEM	FWD NO.	DESCRIPTION	QTY.
1	201319	Plug, l¼" Pipe	1
2		Plug, l" Pipe	4
3		Nut, 1-1/8 Jam	1
4		Capscrew, 5/8-18 x 3/4	8
5	<u>.</u>	Capscrew, 5/8-18 x 1/75	22
6		Lockwasher, 7/16	8
7		Lockwasher, 5/8	14
8		Plug, 3/4" Pipe	1
9		Capscrew, 7/16-20 x 1.25	12
10		Pin, Cotter	1
11		Bolt, 5/8-18 x 250	40
12	213350	Plug l" Magnetic	1
13	213352	Yoke	1
14	213353	Seal, Oil	1
15	213354	Seal, Oil	2
16	206398	Cup, bearing	1
17	207831	Cup, bearing	1
<b>.1</b> 8	213355	Cone, bearing	2
19	213356	Cone, bearing	1
20	213357	Bearing, pinion	1
21	201130	Cup, bearing	1
22	213375	Cone, bearing	1
23	213376	Cup, bearing	1



PORTLAND, OREGON Eng. End 2 1 4 3 6 9

D.B. End 2 1 4 3 7 0

AXLE ASSEMBLY (83" TRACK)

Rel: 2-13-69

3 of 9

ITEM	FWD NO.	DESCRIPTION	QTY.
24	213377	Cone, bearing	1
25	204592	Cone, bearing	1
26	213378	Cup, bearing	2
27	206519	Cone, bearing	2
28	213379	Cup, bearing	2
29	213380	Roller, bearing	12
30	213790	Nut, 5/8-18 NF	24
31		Nut, 5/8-18	12
32		Nut, 1-3/4-12 UN	1
33	213869	Ring, retaining	2
34		Lockwasher	1
35	200762	Lockwasher 5/8	24
36		Capscrew, 5/8-11 x 1.75	6
37		Capscrew 7/16-20 x 1	16
38		Capscrew 5/8-18 x 5	8
39	214169	Capscrew 5/8-18 x 4.50	8
40	213789	Stud, 5/8 NF x 3.50	16
41		Capscrew, 5/8-18 x 1.75	12
42		Capscrew, 3/8-16 NC x .62	2
43	213382	Ball, detent	6
44	213383	Vent, air	1
45	213384	Spring	1
46	213878	Locknut, inner	2



Eng. End 2 1 4 3 6 9

AXLE ASSEMBLY (83" TRACK)

D.B. End 2 1 4 3 7 0 \*Rev: 3/31/69

ITEM	FWD NO.	DESCRIPTION	QTY.
47	213385	Spacer, locknut	2
48	213879	Locknut, outer	2
49	213386	Housing	1
50	213870	Shaft, axle	2
	213885	Hub & Cup Ass'y.	
5 <b>1</b>	213388	Hub, wheel	2
5 <b>1</b> A	213753	Oil Slinger (dust shield)	
*5 <b>1</b> B	214917	Hub to Drum Bolts	
51C	213750	Hub to Drum Washers	
52	213389	Skein Axle	2
53	213390	Hub, Ring Gear (3.882:1)	2
54	213391	Bushing	2
55	213392	Spider, planetary	2
55A	213884	Planetary Assembly	2
56	213393	Cover, planetary	2
56A	213794	Gasket	
57	213394	Washer, thrust	12
58	213395	Spacer, bearing	6
59	213398	Gear, Sun (3.882:1)	6
60	213397	Gear, Planet (3.882:1)	2
61	213396	Gear, ring (3.882:1)	2
62	213399	Pin, planet, gear	6
63	213400	Ring, thrust	2



PORTLAND, OREGON Eng. End

2 1 4 3 6 9

D.B. End 2 1 4 3 7 0

AXLE ASSEMBLY (83" TRACK)

Rel: 2-13-69

5 of 9

ITEM	FWD NO.	DESCRIPTION	QTY.
64	213401	Retainer, ring gear	8
65	213402	Button, thrust	2
66	213403	Gasket, carrier	1
67	213404	Carrier and Cap Assy.	1
:	214595	Capscrew 7/8 NF x 4.88	4
68	213405	Locknut, R.H.	1
69	213406	Locknut, L.H.	1
70	213407	Lock, bearing adj.	2
71	213408	Scoop, oil	1
72	213409	Plug, back-up	1
7 3	2134.0	Case, flanged diff.	1
74	213411	Case, plain diff.	1
74a	213887	Diff Body Sub Assy.	
74b	213173	No Spin Unit (optional-NOT SHOWN)	
75	213412	Spider, diff.	1
76	213413	Gear, pinion	4
77	213414	Gear, side	2
78	213415	Washer, thrust	2
79	213416**	Ring & Pinion set, rear (Blade or Drawbar End) SEE NOTE ON PAGE 6 BEFORE ORDERING	1
	213417**	Ring & Pinion set, front (Engine End) SEE NOTE ON PAGE 6 BEFORE ORDERING	1
80	213418	Housing, pinion bearing	1
81	213419	Cover, pinion bearing	1



PORTLAND, ORESON Eng. End

D.B. End

2 1 4 3 6 9 2 1 4 3 7 0

AXLE ASSEMBLY (83" TRACK)

Rel: 2-13-69

TEM	FWD NO.	DESCRIPTION	QTY.
82	213420	Gasket, bearing cover	1
83	213421	Shim, bearing cover	4
84	213422	Shim, bearing cover	4
85	213423	Washer, thrust	4
86	214596	Spacer, pinion bearing	1
	214597	Bushing, Taperlock - NOT ILLUSTRATED	1
87	213425	Washer, flat	1
87a	213426**	Carrier Assembly, rear (Blade or Drawbar End)	1
87a	213427**	Carrier Assembly, front (Engine End)	1
88	207559	Nut	20
89	207558	Stud	20
90	204133	Nut	20
91	-	Bolt-Axle to Pad-1" NF x 10½" Lg. Gr. 8	24
92		Nut-High - 1" NF Fibrelock	24
		**NOTE: BE SURE TO CHECK UNIT MASTER CHECK SHEET, AXLE SECTION, FOR AXLE ASSEMBLY NUMBER LISTED FOR LOCATION (ENGINE END OR DRAWBAR (BLADE END) BEFORE ORDERING THIS ITEM.	



7 of 9
PORTLAND, OREGON Eng. End 2 1 4 3 6 9

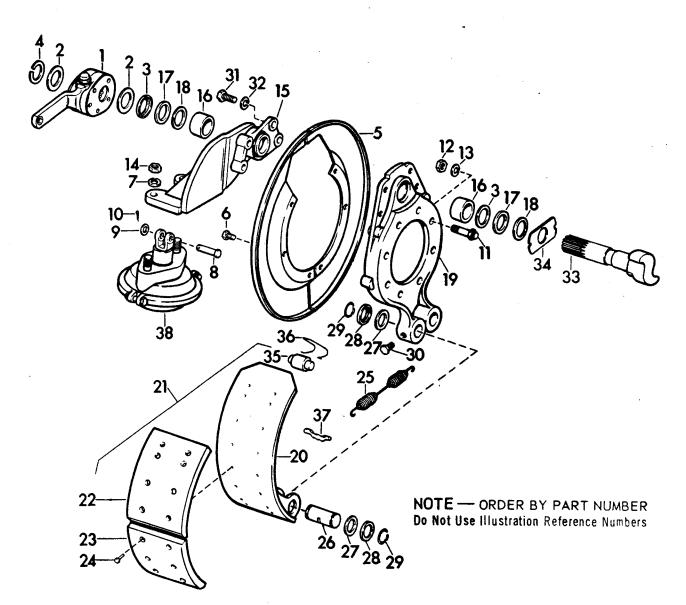
D.B. End 2 1 4 3 7 0

AXLE ASSEMBLY (BRAKE GROUP)

(or Blade) Rel: 2-13-69

8 125

#### **BRAKE ASSEMBLY**





Enq. End

8 of 9 2 1 4 3 6 9

D.B. End 2 1 4 3 7 0

AXLE ASSEMBLY (BRAKE GROUP) (20 X 7)

Rel: 2-13-69

			QTY.
ITEM	FWD NO.	DESCRIPTION  Clask Addustor	2
1	214598	Slack Adjuster	
2	214599	Washer	4
3	214600	Quad Ring	2
4	214601	Snap Ring	2
5	214602	Dust Shield R.H.	2
	214603	Dust Shield L.H.	2
6	214604	Capscrew	8
		Capscrew Lockwasher	8
7		Lockwasher	4
8-13	NOT USED		
14	214605	Capscrew	4
15	214606	Bracket - Camshaft	2
16	214607	Bushing - Camshaft & Spider	4
17	214608	Washer	3
18	214609	Snapring	4
19	518270	Spider	2
20	NOT USED		
21	214610	Shoe Assembly	4
22	214611	Lining	8
23	NOT USED		
24	214612	Capscrew - Flathead	64
	214613	Lockwasher 3/8 AH	64
		Nut 3/8" - 24	64



9 of 9 Eng. End 2 1 4 3 6 9

D.B. End 2 1 4 3 7 0

Rel: 2-13-69

## AXLE ASSEMBLY BRAKE GROUP (20 X 7)

ITEM	FWD NO.	DESCRIPTION	QTY.
25	201243	Spring - Return	2
26	207773	Pin - Anchor	4
27-29	NOT USED	• •	
30	201070	Set Screw	4
33	214614	Camshaft R.H.	1
	214615	Camshaft L.H.	1
34	NOT USED		
35	214616	Roller - Cam	4
33	214617	Roller - Pin	4
26	214618	Roll Pin	4
36		Pin - Spring Return	
37	N.S.S.	Brake Drum - NOT ILLUSTRATED	2
_	214635	Air Chamber - NOT ILLUSTRATED	. 2
38	201064	Air Chamber - NOI Indolkatub	



2 of 9 Eng. End 2 1 4 4 6 5 PORTLAND, OREGON

D.B. End 2 1 4 4 6 6

AXLE ASSEMBLY (98" TRACK) Rel: 2-13-69

Engine End - 108326 Drawbar End - 108327

		W-50-P	
ITEM	FWD NO.	DESCRIPTION	QTY.
1		Plug, 1-1/4" Pipe	1
2		Plug, l" Pipe	4
3		Nut, 1-1/8 Jam	1
4		Capscrew, 5/8-18 x 3/4	8
5		Capscrew, 5/8-18 x 1/75	22
6		Lockwasher, 7/16	12
7		Lockwasher, 5/8	8
8		Plug, 3/4" Pipe	1
9		Capscrew, 7/16 20 x 1.25	12
10		Pin, cotter	1
11		Bolt, 5/8-18 x 250	40
12	213350	Plug, l" Magnetic	1
13	213352	Yoke	1
14	213353	Seal, Oil	1
15	213354	Seal, Oil	2
16	206398	Cup, bearing	i
17	207831	Cup, bearing	1.
18	213355	Cone, bearing	2
19	213356	Cone, bearing	1
20	213357	Bearing, pinion	1
21	201130	Cup, bearing	1
22	213375	Cone, bearing	1
		1	



3 of 9 Eng.End 2 1 4 4 6 5

D.B. End 2 1 4 4 6 6

AXLE ASSEMBLY (98" TRACK)

Rel: 2-13-69

Engine End - 108326 Drawbar End - 108327

W-50-P

		W-50-P	QTY.
ITEM	FWD NO.	DESCRIPTION	1
23	213376	Cup, bearing	
24	213377	Cone, bearing	1
25	204592	Cone, bearing	1
26	213378	Cup, bearing	2
27	206519	Cone, bearing	2
28	213379	Cup, bearing	2
29	213380	Roller, bearing	12
30		Nut, 5/8-18 NF	24
31		Nut, 5/8-18	12
32		Nut, 1-3/4-12 UN	1
33	213869	Ring, retaining	2
34		Lockwasher	1
35	200762	Washer	68
36		Capscrew, 5/8-11 x 1.75	6
37		Capscrew, 7/16-29 x 1	16
38		Capscrew, 5/8-18 x 5	8
39	214619	Capscrew, 5/8-18 x 4.50	8
40		Stud, 5/8 NF x 3.50	16
41		Capscrew, 5/8-18 x 1.75	12
42		Capscrew, 3/8-16 NC x .62	2
43	213382	Ball, detent	6
44	213383	Vent, air	1
45	213384	Spring	1



4 of 9 Eng. End 2 1 4 4 6 5

D.B. End 2 1 4 4 6 6

AXLE ASSEMBLY (98" TRACK) Rel: 2-13-69 Engine End - 108326

Drawbar End - 108327

W-50-P

	W-50-P			
ITEM	FWD NO.	DESCRIPTION	QTY.	
46	213878	Locknut, inner	2	
47	213385	Spacer, locknut	2	
48	213879	Locknut, outer	2	
49	213757	Housing	1	
50	213756	Shaft, axle	2	
51	213388	Hub, wheel	2	
52	213389	Skein, axle	2	
53	213390	Hub, ring gear (3.882:1)	2	
54	213391	Bushing	2	
55	213392	Spider, planetary	2	
56	213393	Cover, planetary	2	
56a	213794	Cover, gasket	2	
57	213394	Washer, thrust	12	
58	213395	Spacer, bearing	6	
59	213397	Gear, sun	6	
60	213398	Gear, planet	2	
61	213396	Gear, ring (3.882:1)	2	
62	213399	Pin, planet, gear	6	
63	213400	Ring, thrust	2	
64	213401	Retainer, ring gear	8	
65	213402	Button, thrust	2	
66	213403	Gasket, carrier	1	
67	213404	Carrier and Cap Assy.	1_1_	



PORTLAND, OREGON Eng. End

2 1 4 4 6 5 D.B. End 2 1 4 4 6 6

Rel: 2-13-69

AXLE ASSEMBLY (98" TRACK)

Engine End - 108326 Drawbar End - 108327

W-50-P

W-50-P			
ITEM	FWD NO.	DESCRIPTION	QTY.
	214595	Capscrew	4
68	213405	Locknut, R.H.	1
69	213406	Locknut, L.H.	1
70	213407	Lock, bearing adj.	2
71	213408	Scoop, oil	1
72	213409	Plug, back-up	1
73	213410	Case, Flanged diff.	1
74	213411	Case, plain Diff.	1
75	213412	Spider, diff.	1
76	213413	Gear, Pinion	4
77	213414	Gear, side	2
78	213415	Washer, thrust	2
79	213416**	Ring & Pinion Set, Rear (Blade or Drawbar End) SEE NOTE ON PAGE 6 BEFORE ORDERING	1
	213417**	Ring & Pinion Set, Front (Engine End) SEE NOTE ON PAGE 6 BEFORE ORDERING	1
80	213418	Housing, pinion bearing	1
81	213419	Cover, pinion bearing	1
82	213420	Gasket, bearing cover	1
83	213421	Shim, bearing cover	4
84	213422	Shim, bearing cover	4
85	213423	Washer, thrust	4
86	214596	Spacer, pinion bearing	1



PORTLAND, OREGON Eng. End

D.B. End 2 1 4 4 6 6

AXLE ASSEMBLY (98" TRACK)

Rel: 2-13-69

Engine End - 108326 Drawbar End - 108327

Drawbar End - 108327 W-50-P			
ITEM	FWD NO.	DESCRIPTION	QTY
87	213425	Washer, flat	1
	214597	Bushing-Taperlock - NOT ILLUSTRATED	1
87a	213426	Carrier Assembly, Rear (Blade or Drawbar End)	1
87a	213427	Carrier Assembly, Front (Engine End)	1
88	207559	Nut - Wheel	2
89	207558	Stud - Wheel	2
90	204133	Nut - Stud	2
		Bolt - Axle to Pad 1-14 x 10½ Lg. Gr. 8	2
		Nut - High - Fibrelock 1" NF	2
		OR BLADE END) BEFORE ORDERING THIS ITEM.	



7 of 9
portland, oregon Eng. End 2 1 4 4 6 5

D.B. End 2 1 4 4 6 6

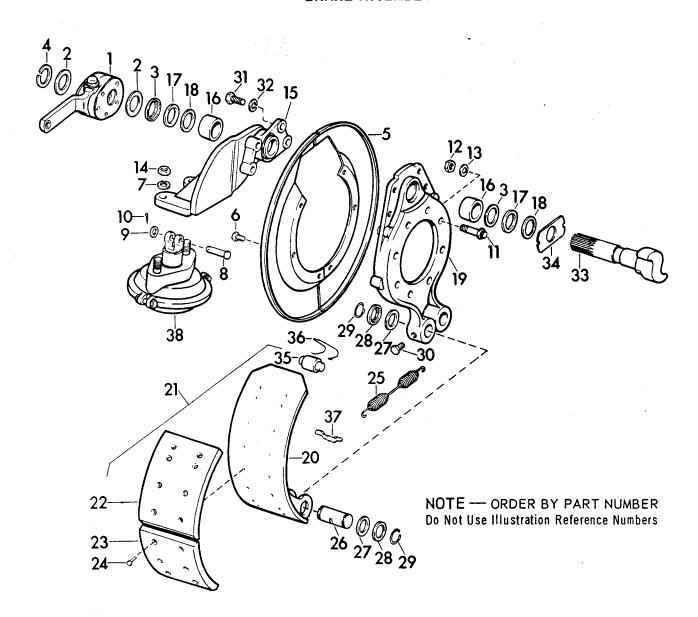
AXLE ASSEMBLY (BRAKE GROUP)

(or Blade)

Rel: 2-13-69

8 125

### **BRAKE ASSEMBLY**



Eng. End 2 1 4 4 6 5

D.B. End 2 1 4 4 6 6

## AXLE ASSEMBLY BRAKE GROUP (20 X 7)

Rel: 2-13-69

8 of 9

ITEM	FWD NO.	DESCRIPTION	QTY.
1	214598	Slack Adjuster	2
			4
2	214599	Washer	2
3	214600	Quad Ring	
4	214601	Snap Ring	2
5	214602	Dust Shield, R.H.	2
	214603	Dust Shield, L.H.	2
6	214604	Capscrew	8
		Capscrew Lockwasher	8
7		Lockwasher	4
8-13	NOT USED		
14	214605	Capscrew	4
15	214606	Bracket - Camshaft	2
16	214607	Bushing - Camshaft & Spider	4
17	214608	Washer	3
18	214609	Snapring	4
19	518270	Spider	2
20	NOT USED		
21	214610	Shoe Assembly	4
22	214611	Lining	8
23	NOT USED		
24	214612	Capscrew - Flathead	64
	214613	Lockwasher 3/8 AH	64
1			1

Eng. End

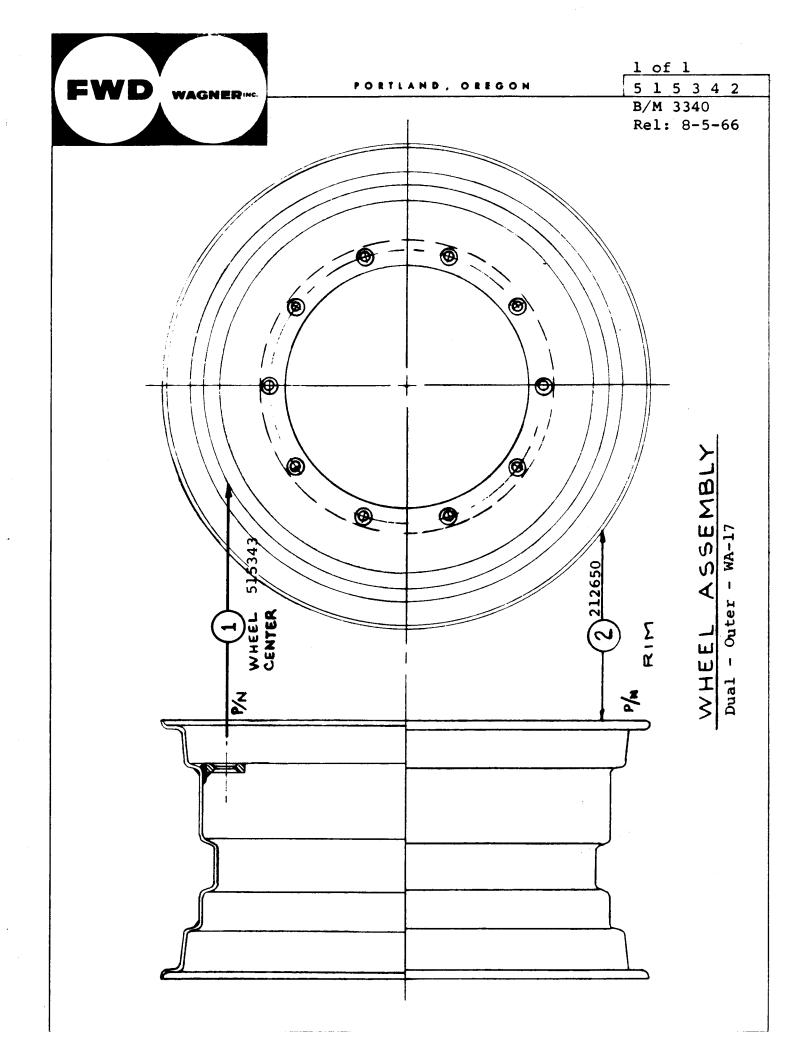
2 1 4 4 6 5

9 of 9

D.B. End 2 1 4 4 6 6

AXLE ASSEMBLY BRAKE GROUP (20 X 7) Rel: 2-13-69

	(20 12 1)			
ITEM	FWD NO.	DESCRIPTION	QTY	
		Nut - 3/8" - 24	64	
25	201243	Spring - Return	2	
26	207773	Pin - Anchor	4	
27-29	NOT USED			
30	201070	Setscrew	4	
33	214620	Camshaft - R.H.	1	
	214621	Camshaft - L.H.	1	
34	NOT USED			
35	214616	Roller - Cam	4	
	214617	Roller - Pin	4	
36	214618	Roll Pin	4	
37	N.S.S.	Pin - Spring Return		
	214635	Brake Drum - NOT ILLUSTRATED	2	
38	201064	Air Chamber - NOT ILLUSTRACTED	2	
			1	



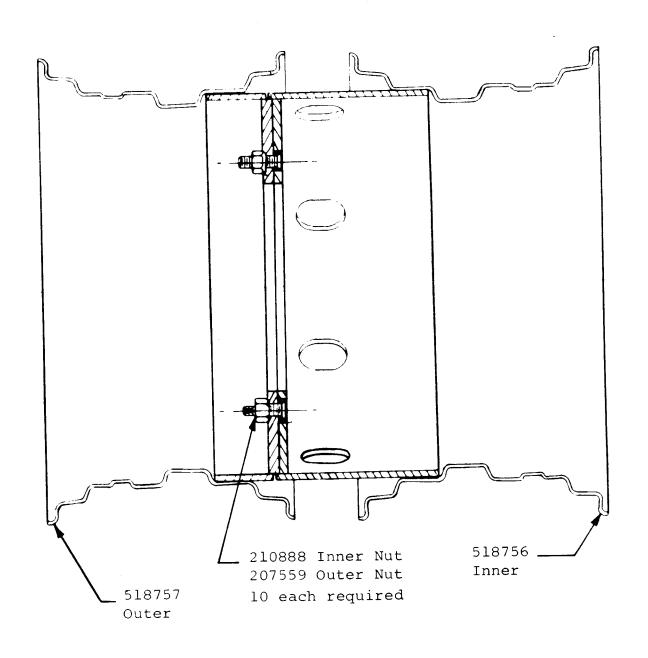


<u>l of l</u> 518756-578757

B/M 4172

DUAL WHEELS
for 23.1 - 30 Tires
98" Track Axle

Rel:2-20-69



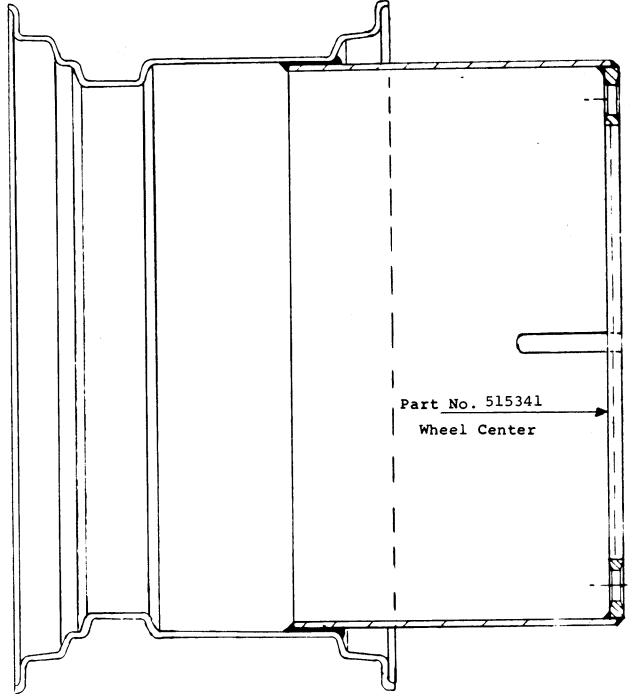


1 of 1

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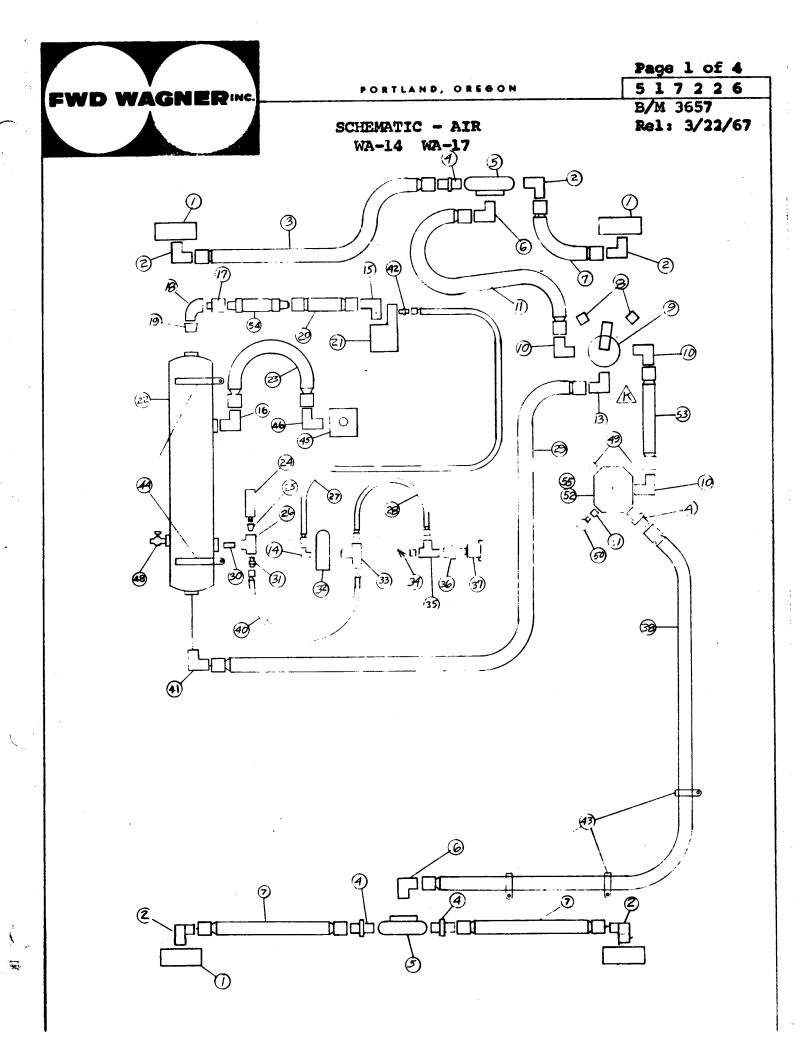
B/M 3340 Rel: 8-5-66





210888 Inner Cap Nut 207559 Outer Cap Nut 12 12

NOTE: WHEEL CENTER ONLY SERVICED AS REPLACEMENT PART - OTHERWISE ORDER COMPLETE ASSEMBLY.





2 of 4

B/M 3657 Rel: 3-22-67

## PLUMBING - AIR Models WA-14 WA-17

	FWA NO	DESCRIPTION	QTY.
ITEM 1	<b>FWD NO.</b> 517226	Schematic - Air Plumbing	1
		Adapter	5
2	209396	•	1
3	209667	Hose Assembly	4
4	209304	Adapter	
5	207900	Quick Release	2
6	209397	Adapter	2
7	209922	Hose Assembly	3
8	209917	Plug	2
9	212557	Treadle Valve	1
10	209798	Adapter	3
11	209923	Hose Assembly	1
13	209399	Adapter	1
14	209317	Adapter	1
15	209414	Adapter	1
1 16	209920	Adapter	1
17	207917	Check Valve	1
18		Street Ell ½" Pipe	1
19		Bushing 3/4 x ½ Pipe	1
20	209711	Hose Assy.	1
22	207904	Tank	1
23	209924	Hose Assy.	1
24	207901	Safety Valve	1
25		Bushing 3/8 x 1/4 Pipe	1



3 of 4 5 1 7 2 2 6

B/M 3657 Rel: 3-22-67

## PLUMBING - AIR Models WA-14 WA-17

17244	FWD NO.	DESCRIPTION	QTY.
1TEM 26	PWD NO.	DESCRIPTION  Tee 3/8" Pipe	1
27	209926	Hose Assembly	1
28	209927	Hose Assembly	1
29	209928	Hose Assembly	1
30		Close Nipple 3/8" Pipe	1
31	209391	Adapter	1
32	208930	Governor	1
33	209953	Tee	1
35	209952	Tee	1
36		Bell Reducer	1
38	209929	Hose Assembly	1
40	209930	Hose Assembly	1
41	210738	E1bow	1
42	209390	Adapter	1
43	209579	Clamp	15
44	207905	Tank Strap	2
46	209394	Adapter	1
48	207903	Drain Cock	1
51		Bushing 1/4 x 1/8 Pipe	7.
52	211949	Micro Brake Lock	1
53	209932	Hose Assembly	1
54	209931	Hose Assembly	1
55	515002	Bracket - Brake Valve	1



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B/M 3657

Rel: 3-22-69

## PLUMBING - AIR Model WA-14 WA-17

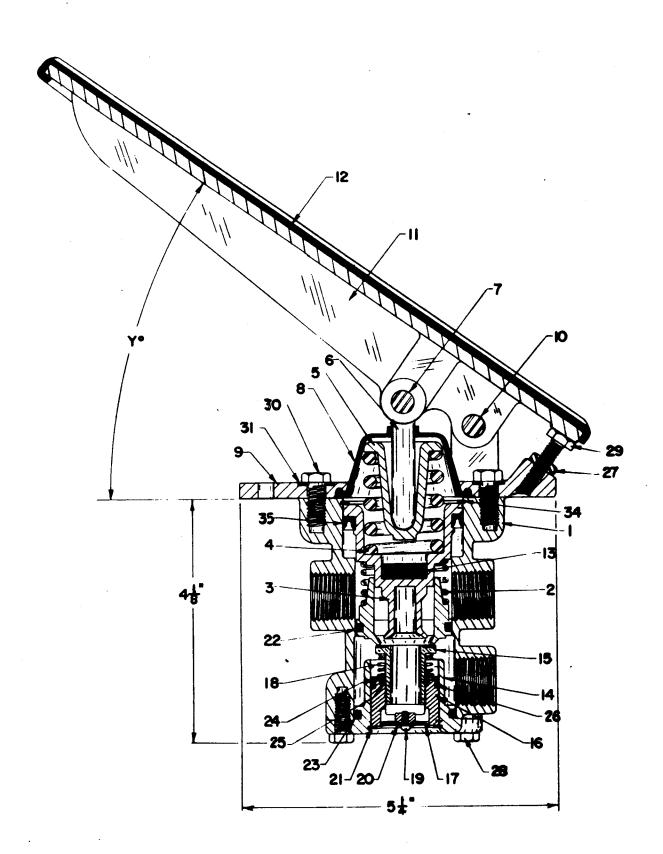
TEM	FWD NO.	DESCRIPTION	QTY.
	503252	Mounting Plate- Quick Release Valve Not Shown	1
	504991	Clamp - Hose Not Shown	2
	209698	Hose Clamp	1
	209696	Hose Clamp	2
	209702	Hose Clamp	2
		Weld Stud - $\frac{1}{4}$ - 20 NC x 3/4" Lg.	18
		Lockwasher - ¼"	18
		Flatwasher - ½"	18
		Nut - Hex 1/4 - 20 NC	18
		Weld Stud - 3/8 - 16 NC x 3/4" Lg.	6
		Lockwasher - 3/8"	6
		Flatwasher - 3/8"	2
		Flatwasher - 7/16"	4
			ļ

212557

WM-326-A REL: 6-7-66

## TREADLE APPLICATION VALVE AIR BRAKES

FWD WAGNERING





2 1 2 5 5 7

WM-326-A

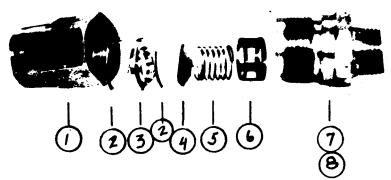
**REL:** 6-10-66

# TREADLE APPLICATION VALVE AIR BRAKES

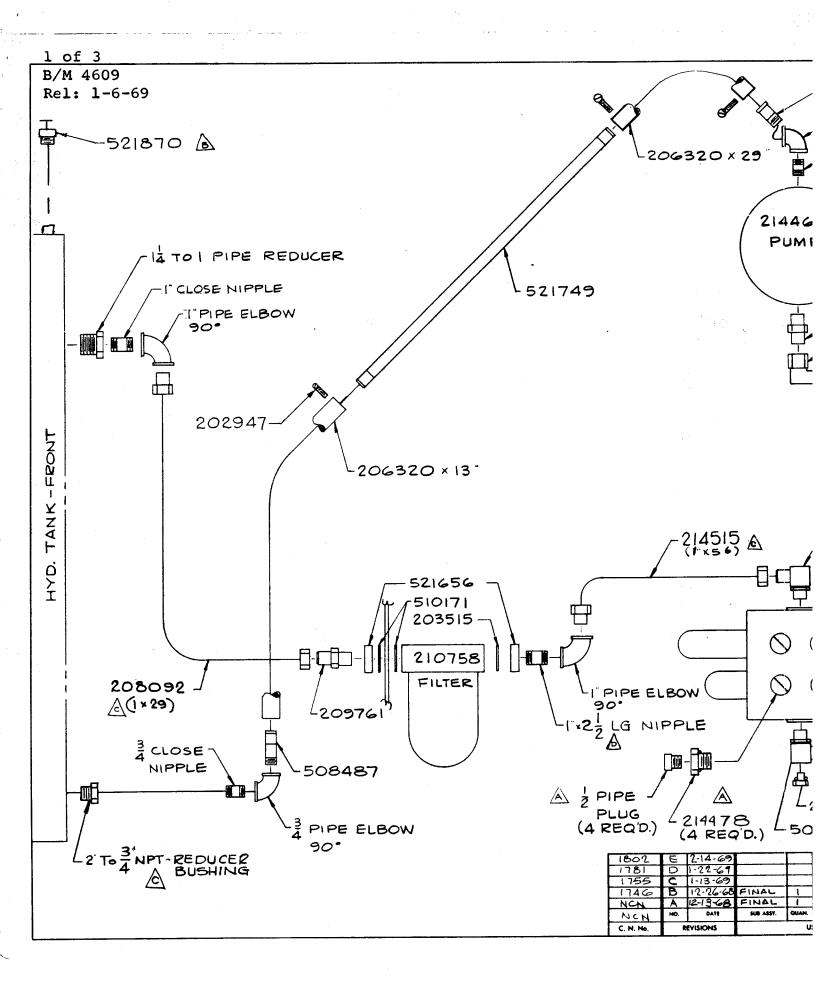
TEM	FWD NO.	DESCRIPTION	QTY
	212601	REPAIR KIT (Contains Items Marked*)	
	212602	REPAIR KIT (Contains Items Marked xx)	
*8		DUST BOOT	1
13		SPRING CUP STOP	1
*15	xx	EXHAUST SEAT TUBE ASSEMBLY	1
*16	xx	EXHAUST SEAT TUBE GUIDE	1
*17	xx	EXHAUST CHECK	1
*18	xx	SPRING	1
*22	xx	"O" RING	1
<u>^</u> 23	xx	"O" RING	1
*24	xx	SEAT RETAINER RING	1
*25	xx	"O" RING	1
*26	xx	"O" RING	1
		NOTE: For Parts Not Contained In Repair Kits Order By Illust. No.	
1.6			
<u>ن</u>			

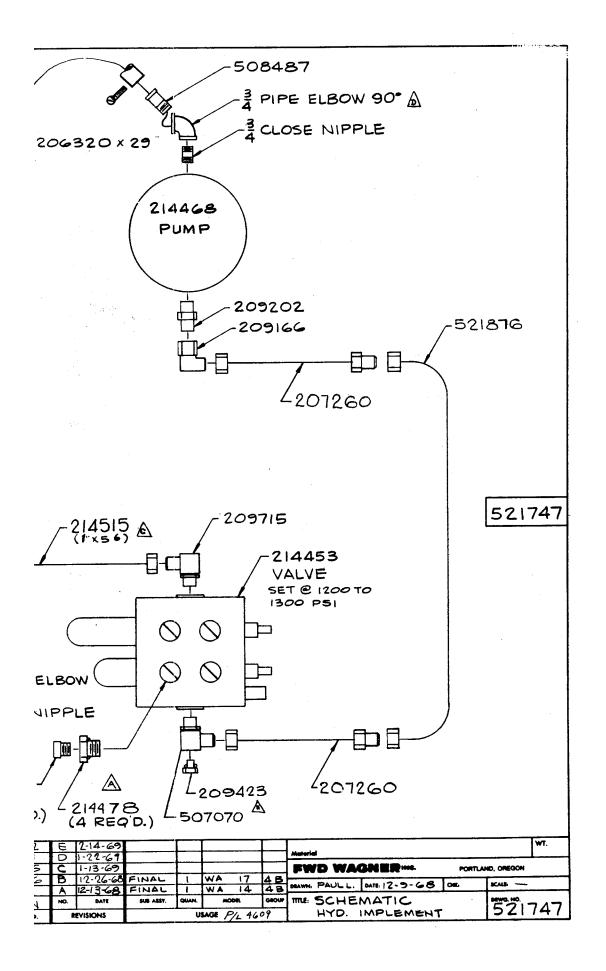


CHECK VALVE - AIR



1		_		
ITEM	PART NO.	DESCRIPTION	*	QTY.
1.	206324	BODY		1
2.	206328	WASHER		2
3.	206329	VALVE SEAT		1
4.	206334	DISC-VALVE		1
5.	206333	SPRING		1
6.	206332	VALVE STOP BUSHING		1
7.	206330	SCREW CAP ASS'Y.	•	1
8.	206331	SCREW CAP		1





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B/M 4609

Rel: 1-6-69

## HYDRAULIC IMPLEMENTS WA-14 WA-17

ITEM	FWD NO.	DESCRIPTION	QTY.
	208092	Hose Assembly	1
	214515	Hose Assembly	1
	207260	Hose Assembly	2
	206320	Hose - Suction 13" Lg.	1
	206320	Hose - Suction 29" Lg.	1
	209423	Plug - "O" Ring	1
	209166	Adapter	1
	209202	Adapter	1
	507070	Adapter	1
	209715	Adapter	1
	209761	Adapter	1
	214478	Adapter	4
	203515	"O" Ring	1
	210758	Filter	1
	214453	Valve	1
	214468	Pump	1
	508487	Pipe Fitting	2
	510171	Gasket	2
	521656	Flange Fitting - Rework	2
	521749	Pipe - Pump Section	1
	521876	Tube Assy.	1
		Close Nipple 3/4 NPT	2



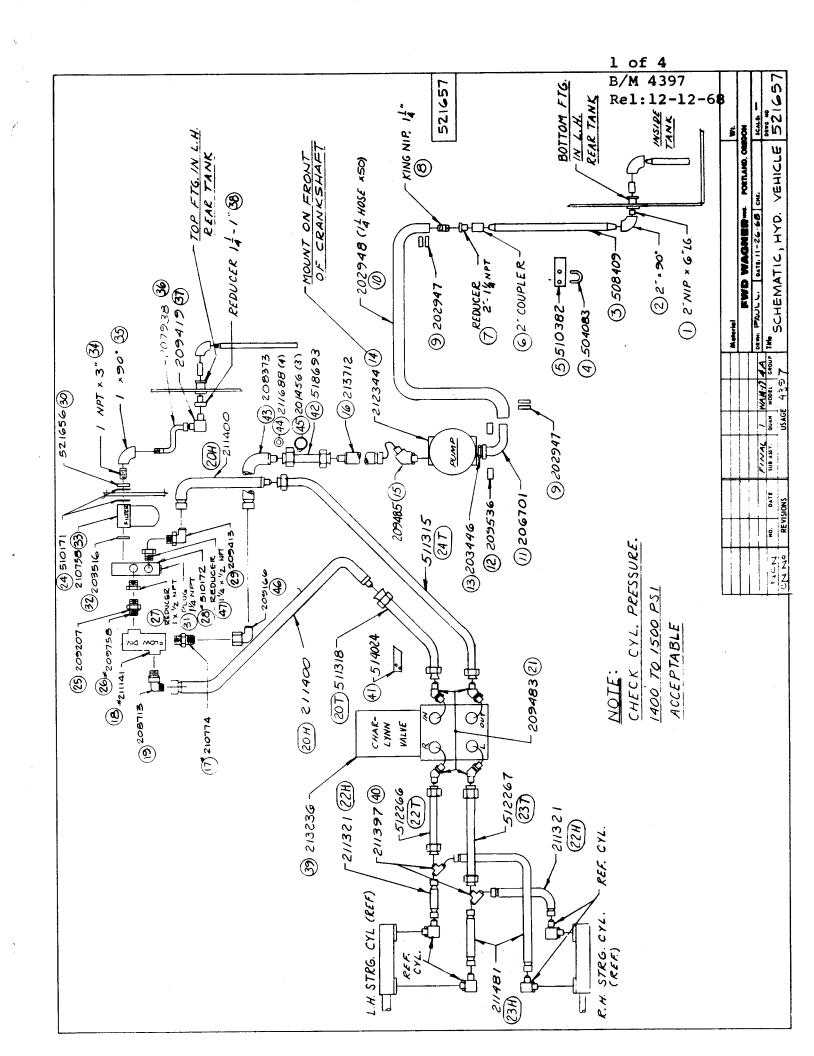
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B/M 4609 Rel: 1-6-69

## HYDRAULIC IMPLEMENTS

WA-14 WA-17

ITEM	FWD NO.	DESCRIPTION	QTY
		Pipe Ell 90° - 3/4 NPT	2
		Pipe Ell - 90 <sup>0</sup> l" NPT	2
·		Close Nipple 1" NPT	1
		Reducer 1 - 1/4 to 1" NPT	1
		Plug 1/2 NPT	4
		1" x 2 - 1/2" Lg. Nipple	1
	501070		1
	521870	Dipstick Assembly	-





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B/M 4397

Rel: 12-12-68

## SCHEMATIC HYDRAULIC - PLUMBING WA-14 WA-17

ITEM	FWD NO.	DESCRIPTION	QTY.
1		Nipple - 2" NPT x 6" Lg.	1
2		Elbow - 2" NPT x 90°	1
3	508409	Pipe	1
4	504083	U-Bolt	1
5	510382	Plate	1
6		Coupling - 2" NPT	1
7		Reducer - 2" x 1-1/4" NPT	1
8		King Nipple - 1-1/4" NPT	1
9	202947	Hose Clamp	4
10	202948	Hose - 50" Lg.	1
11	206701	Adapter	1
12	2095364	Flange	2
13	203446	"O" Ring	1
14	212344	Pump	1
15	209485	Adapter	1
16	213712	Hose Assembly	1
17	210774	Adapter	1
18	211141	Flow Control Valve	1
19	208713	Adapter	1
20H	211400	Hose Assembly	2
20Т	511318	Tube Assembly	1
21	209483	Adapter	4
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SCHEMATIC
HYDRAULIC - PLUMBING
WA-14 WA-17

B/M 4397 Rel: 12-12-68

ITEM	FWD NO.	DESCRIPTION	QTY.
22H	211321	Hose Assembly	2
22T	512266	Tube Assembly .	1
23H	211481	Hose Assembly	2
23T	512267	Tube Assembly	1
24	510171	Gasket	2
24T	511315	Tube Assembly	1
25	209207	"O" Ring	1
26	209758	Adapter	1
27		Reducer l" - 1/2" NPT	1
28	510172	Adapter - Oil Filter	1
<b>2</b> 9	209413	Adapter	1
. 30	521656	Flg. Plate	1
31		Pipe Plug - 1-1/4" NPT	1
32	203516	"O" Ring	1
33	210758	Filter	1
34		Nipple 1" NPT x 3" Lg.	1
35		Elbow - 90° 1" NPT	1
36	207938	Hose Assembly	1
37	209419	Adapter	1
38		Reducer 1-1/4" NPT - 1" NPT	1
39	213236	Valve	1
40	211397	Tee	2
ı	T.	I and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	1



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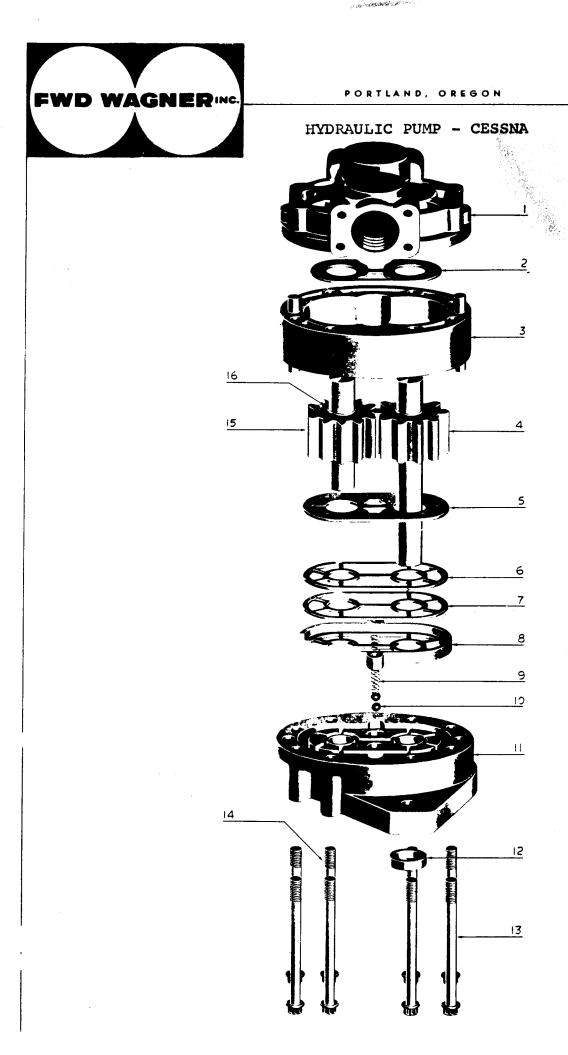
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B/M 4397

Rel: 12-12-68

## SCHEMATIC HYDRAULIC - PLUMBING WA-14 WA-17

ITEM	FWD NO.	DESCRIPTION	QTY.
41	514024	Bracket	1
42	518693	Tube Assembly	1
43	208373	Hose Assembly	1
44	211688	Grommet	4
45	201456	Clamp	3
46	209166	Adapter	1
47		Reducer - 1-1/4 x 1/2"	1
			4
	,		



Page 1 of 2 2 1 2 3 4 4 L-20112 IBCC

(CCW)

Rel: 5-18-66

2 of 2

2 1 2 3 4 4

L-20112 IBCC (CCW)

Rel: 5-18-66

#### HYDRAULIC PUMP - CESSNA

		HYDRAULIC PUMP - CESSNA	
ITEM	FWD NO.	DESCRIPTION	QTY.
1*	206862	Back Plate Ass'y	1
2	206863	Thrust Plate	1
3	∠06864	Body & Dowel Ass'y	1
4*	<b>212</b> 559	Drive Gear & Shaft Ass'y (Keyed)	1
5	206866	Diaphragm	1
6	206867	Nylatron Gasket	1
7.7	206868	Protector Gasket	1
8	206869	Moulded "V" Seal	1
9	206870	Spring	2
10	206871	Steel Ball	2
11*	206872	Front Plate Ass'y	1
12	206873	Shaft Seal	1
13	206874	Tie Bolt	4
14	20687,5	Tie Bolt	4
.5 <b>*</b>	206876	Idler Gear Assly	1
16		Snap Ring (Incl. wittems 4 & 15 - Not Sold Segarately)	1
		* SOLD AS ASSEMBLY ONLY	

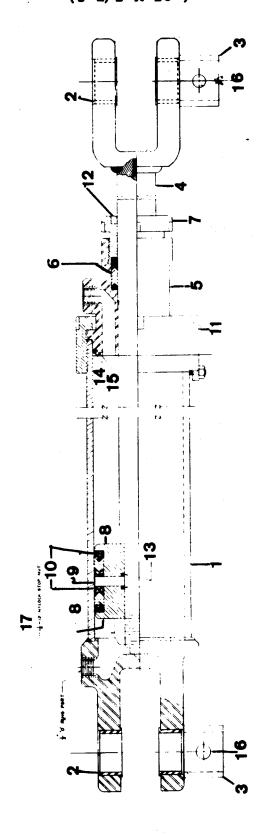
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**5 1 2** 2 3 1

B/M **2**898

STEERING CYLINDER  $(3-1/2 \times 20")$ 

Rel: 9-30-65



2 of 2

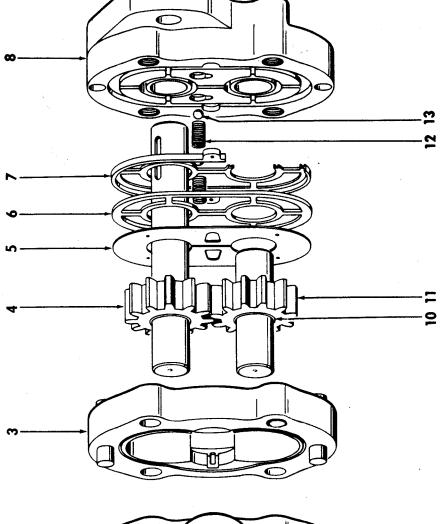
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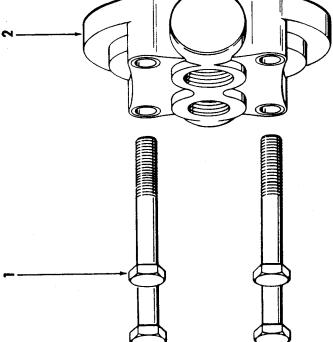
B/M 2898 Rel: 9-30-65

## STEERING CYLINDER (3-1/2 x 20")

ITEM	FWD NO.	DESCRIPTION	QTY.
1	512230	Barrel & Base Ass'y	1
2	505350	Bushing	4
3	502086	Collar	2
4	512256	Stem & Eye Ass'y	1
5	505518	Packing Gland	1
6	505519	Stem Packing	1
7	505520	Packing - Nut	1
8	505521	Piston	2
9	505522	Piston Spacer	1
10	505523	Piston Packing	2
11	505524	Head - Retainer Ring	1
12	206313	Wiper - Scraper	1
13	203440	"O" Ring	4
14	203527	"O" Ring - Packing Gland	1
5	206308	Back-Up Ring	1
16	508277	Pin-Stem & Anchor Ends	2
17		Nut-Piston-1-1/8-12-Nylock-Stop	1
		Set Screw-1/4" (Not Illustrated)	1
	:	Bushing-Reg.Mach,-1-1/2 x 10 Gauge (Not illustrated)	4
		Lube Fitting-1/8 PTF x 11/16" Lg. " " " " " "	1
	204501	Bearing (Not Illustrated)	2
	209488	Adapter (Not Illustrated)	2

2 0 9 0 3 3 N-20208-IADC Rel: 6-22-66 CCW





POLT - MYDRATEIC "II" SERIES

2 of 2

2 0 9 0 3 3

N-20208=IADC Rel: 6-22-66

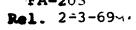
## PUMP - HYDRAULIC "H" SERIES

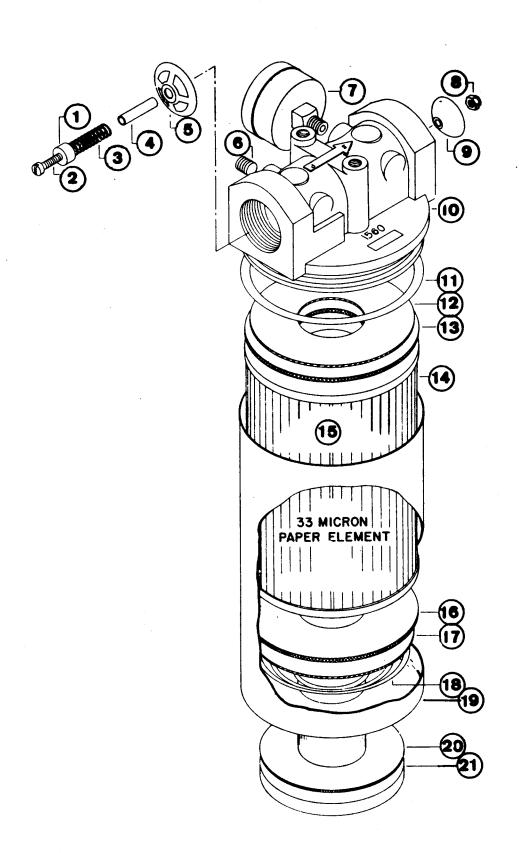
ITEM	FWD NO.	DESCRIPTION	QTY.
1	212638	Cap Screw	4
. 2	212639	Back Plate Ass'y	1
3	212640	Body Ass'y	1
4	212641	Drive Gear Ass'y	1
5	212642	Diaphragm (Wear Plate)	1
6	212643	Backup Gasket	1
7	212644	Diaphragm Seal	1
8	212645	Front Plate Asszy	1
9	212646	Shaft Seal	1
10		Snap Ring N.S.S. (Include with 4 & 11)	1
11	212647	Idler Gear Assty	1
12	208889	Springs	2
13	208912	Steel Balls	2
· 			
1			

210758

FA-203

## FILTER - HYDRAULIC OIL







2 of 2

210758

R-FA-203

Rel: 11-25-64

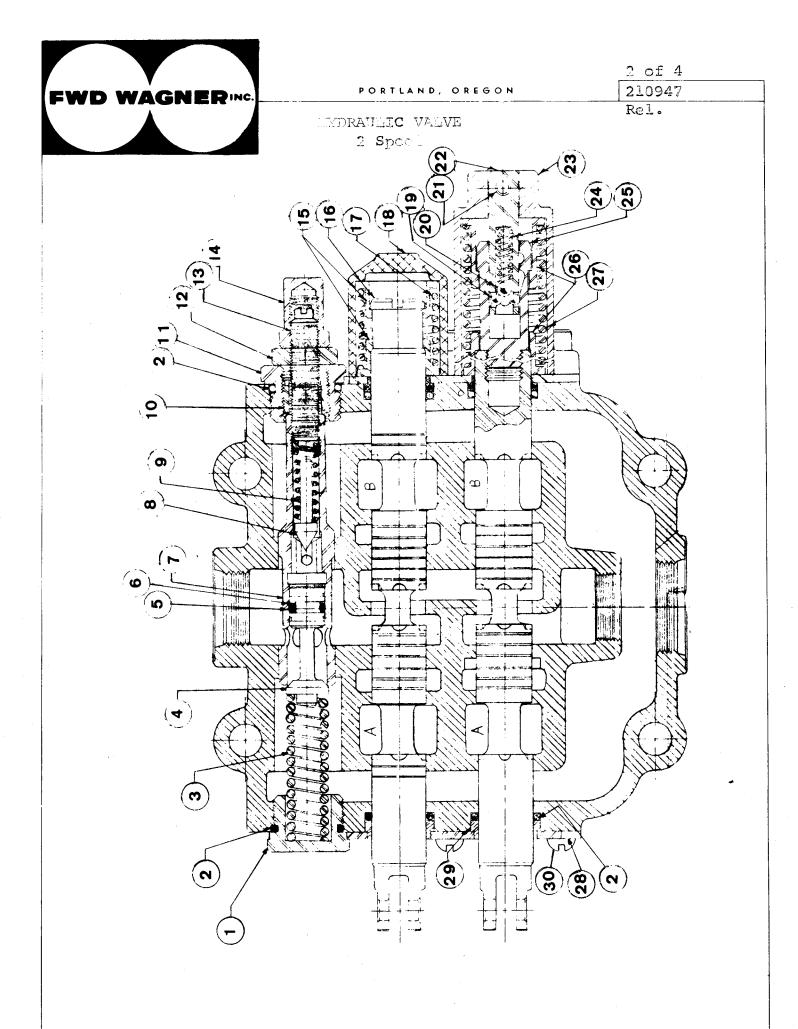
## FILTER - HYDRAULIC OIL

ITEM	FWD NO.	DESCRIPTION	QTY.
1	210154	Cap	1
2	210153	Screw	1
3	210155	Spring	1
4	210156	Spacer	1
5	210157	Guide	1
6	1/8"	Plug	1
7	Not Used	Indicator	1
8	210158	Locknut	1
9	210159	Valve-Bypass	1
10	210765	Head	1
11	210161	Seal	1
12-17	210162	Back-Up Washer	2
13-16	210163	Gasket	2
14-15	210117	Element	1
18	210164	Spring	1
19	210165	Housing	1
20	210166	Gasket	1
21	210167	Center Post	1
			and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t



## HYDRAULIC VALVE 2 SPOOL

ITEM	FWD NO.	DESCRIPTION	QTY
		This illustration and Parts List covers a 2-spool	
		unit with parts quantities for same. Valves with	
		more spools use same parts in corresponding quant-	
		ity increases.	
;		NOTE: Valve body and spool assemblies are not	
		available as service parts.	
		The following are part numbers for valves with	
		additional spools:	
	210948	3 spool valve	
	210949	4 spool valve	
•	210950	5 spool valve	
	211003	6 spool valve	
:			
	j.		





3 of 4

2 1 0 9 4 7

Rel: 3-31-65

# HYDRAULIC VALVE 2 Spool

ITEM	FWD NO.	DESCRIPTION	QTY.
1	211107	Plug - Relief Valve	1
2	211108	"O" Ring	6
3	211109	Spring	1
4	211110	Poppet	1
5	211111	"O" Ring	1
6	211112	Back-Up Ring	1
7	211113	Sleeve	1
8	206975	Poppet	1
9	211114	Spring	1
ر. ا	2111 <b>1</b> ′5	Adj. Nut	1
11	211116	plug - R.V. Pilot	1.
12	211117	Nut	1
13	211118	Adj. Screw	1
14	206974	Castle Nut	1
15	211119	Spring Guide	2
16	211120	Cap Screw	1
17	211121	Spring	1
18	211122	Cap	1
19	211123	Ball	2
20	211124	Ball	1
]. 	211125	Roll Pin	1

4 of 4 2 1 0 9 4 7

Rel: 3-31-65

## HYDRAULIC VALVE 2 Spool

ITEM	FWD NO.	DESCRIPTION	QTY.
22	211126	Detent. Pin	1
23	211127	Cap - Plunger	1
			1
24	211128	Spring	
25	211130	Spring Guide	1
27	211131	Spring	1
28	211132	Seal Plate	4
29	211133	Wiper Ring	2
30		RD. HD. Cap Screw - Use local supply	
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L	<u> </u>	1	

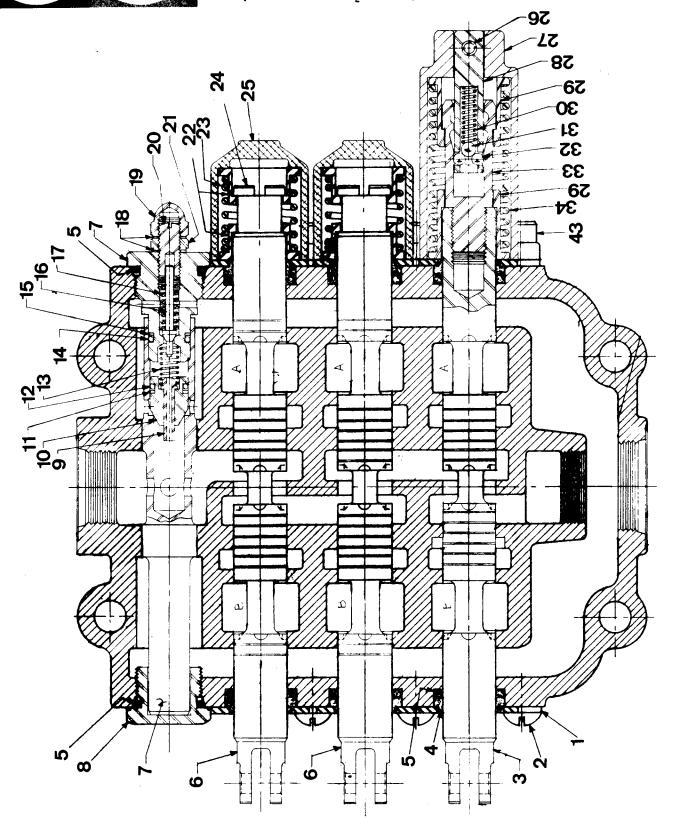
Page 1 of 4

210943

**3203-**48

Rel. 1-5-66

VALVE - HYDRAULIC (Husco - 2 Spool w/l Float)



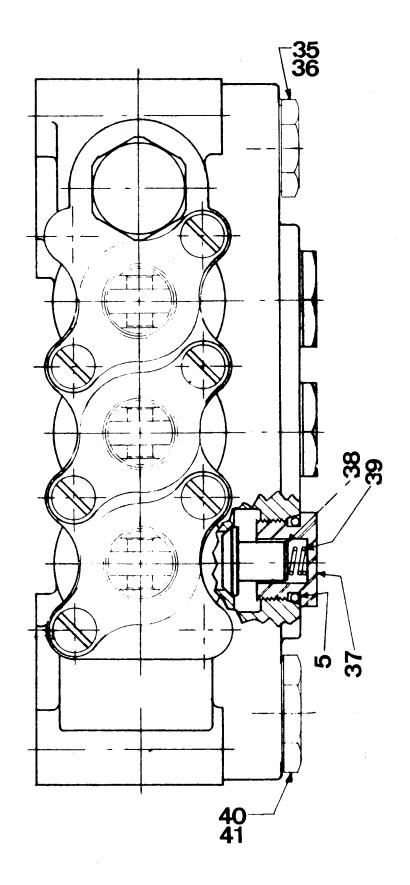


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3203-48

Rel. 1-5-66

VALVE - HYDRAULIC
(Husco - 2 Spool w/l Float)





Page 3 of 4 2 1 0 9 4 8

3203-48 Rel. 1-5-66

# VALVE - HYDRAULIC (Husco - 2 Spool w/l Float)

ITEM	FWD NO.	DESCRIPTION	QTY.
1	211132	Seal Plate	6
2	211452	Round Head Machine Screw	6
3	N.S.S.	Plunger	1
4	211133	Wiper	6
5	211108	"O" Ring	11
6	N.S.S.	Plunger	2
7	211712	Sleeve	1
8	211107	Plug	1
9	211713	Piston	1
10	211714	Poppet	1
11	211715	Back-up Ring	1
12	211716	"O" Ring	1
13	211717	Spring	1
14	206986	"O" Ring	1
1.5	211718	Back-up Ring	1
16	211719	Poppet	1.
17	211720	Spring	1
18	211723	Washer	2
19	211724	Acorn Nut	1,
20	211721	Adjusting Screw	1
,			
21	211725	Nut '	1
22	211119	Spring Seat	4
FORM-N	<u> </u>		<u></u>

Page 4 of 4 2 1 0 9 4 8

3203-48 Rel. 1-5-66

## VALVE - HYDRAULIC

(Husco - 2 Spool w/l Float)

ITEM	FWD NO.	DESCRIPTION	QTY.
23	211121	Spring	2
24	211120	Capscrew	2
25	211122	Cap - Plunger	2
26	211125	Roll Pin	1
27	211127	Cap - Plunger	1
28	21126	Detent Pin	1
29	211130	Spring Seat	2
30	211128	Spring Detent	1
31	211124	Ball	1
32	211123	Ball	3
33	211129	Plunger End	1
34	211131	Spring Float Plunger	1.
35	211726	Plug	1.
36	211727	"O" Ring	1
37	211728	Plug	3
38	211729	Poppet	3
39	206979	Spring	3
40	211730	Plug	1.
41.	211731	"O" Ring	1
42	N.S.S.	Valve Housing	1
43	211451	Capscrew	6
		NOTE: Body and Plunger (Spool), items 3, 6 and 42 not sold separate	

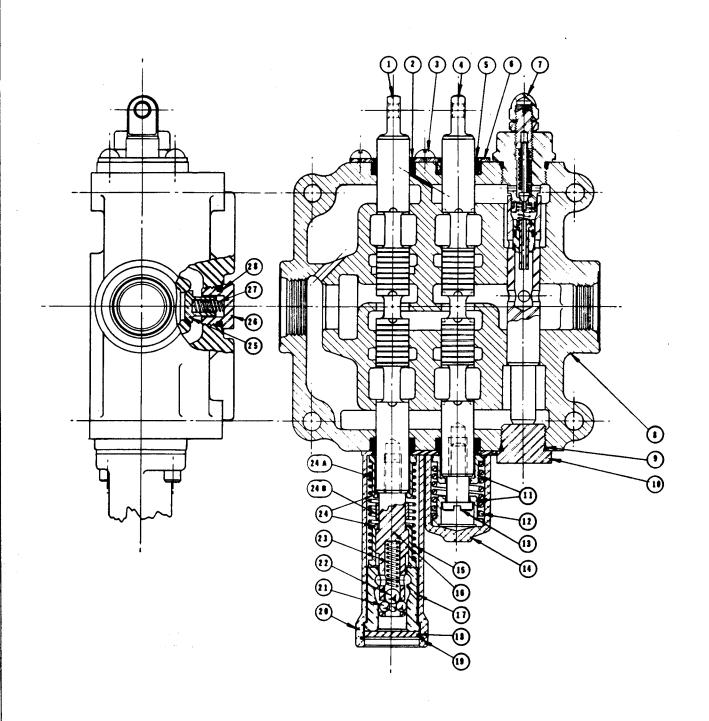


1 of 3

2 1 4 4 5 3

3302-66

VALVE - IMPLEMENT WA-14-17 Rel: 1-31-69





2 of 3 2 1 4 4 5 3

3302-66

VALVE-IMPLEMENT WA-14-17 Rel: 1-31-69

N .	S.S. NOT S	SERVICED SEPERATELY	
ITEM	FWD NO.	DESCRIPTION	QTY.
1	N.S.S.	Spool - Float	
2	214034	"O" Ring	4
3	214038	Rd. Head Machine Screw	4
4	N.S.S.	Spool - Double Acting	4
5	214033	Seal	4
6	214035	Seal Plate	4
7	214032	Relief Valve Sub-Assy.	1
8	N.S.S.	Body	
9	211727	"O" Ring	1
10	211726	Plug - R.V.	1
11	214031	Spring Seat	2
12	214030	Spring	1
13	214029	Spec. Capscrew	1
14	214028	Cap - Lunger	1
15	214623	Spring - Detent Plunger	1
* 16	214626 214506	Pin - Detent 2-13/16 Long Beyond Spool Pin - Detent 3-1/4 Long Beyond Spool	1
17	214625	Sleeve - Detent	1
18	214626	Plug - Detent	1
19	214627	Snap Ring - Detent	1
20	214628	Cap - Detent	1
21	214629	Ball - Detent	4
- 22	214630	Ball - Detent	1



3 of 3 2 1 4 4 5 3

3302-66

Rel: 1-31-69

### VALVE-IMPLEMENT WA-14-17

ITEM	FWD NO.	DESCRIPTION	QT'
23	214631	Spring - Detent	נ
*24	214632	Spring Seat - Detent 31/32 Long	:
24A	214031	Spring Seat - Detent 11/16 Long	:
24B	214505	Spacer Use w/short spring seat on float spool	
25	214041	Poppet - Check Valve	
26	214039	Plug - Check Valve	
27	214040	Spring - Check Valve	
28	206980	"O" Ring - Check Valve	
29	214042	Socket Hd. Capscrew (Not Illustrated)	



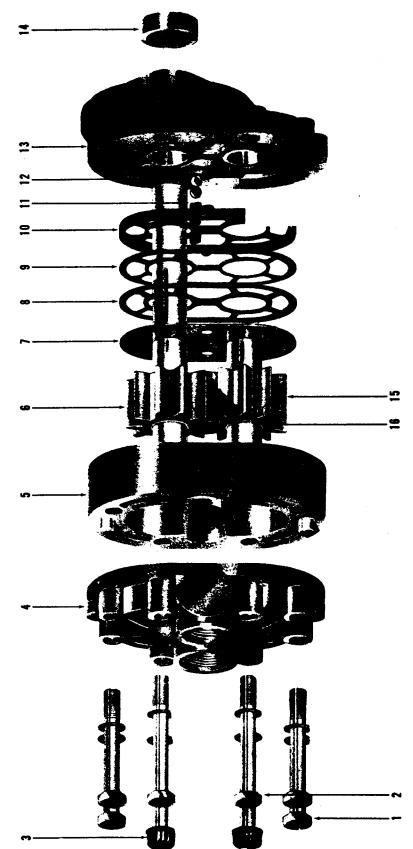
1 of 2

2 1 4 4 6 8

B-15512-1MC

Rel: 1-16-69

PUMP - HYDRAULIC





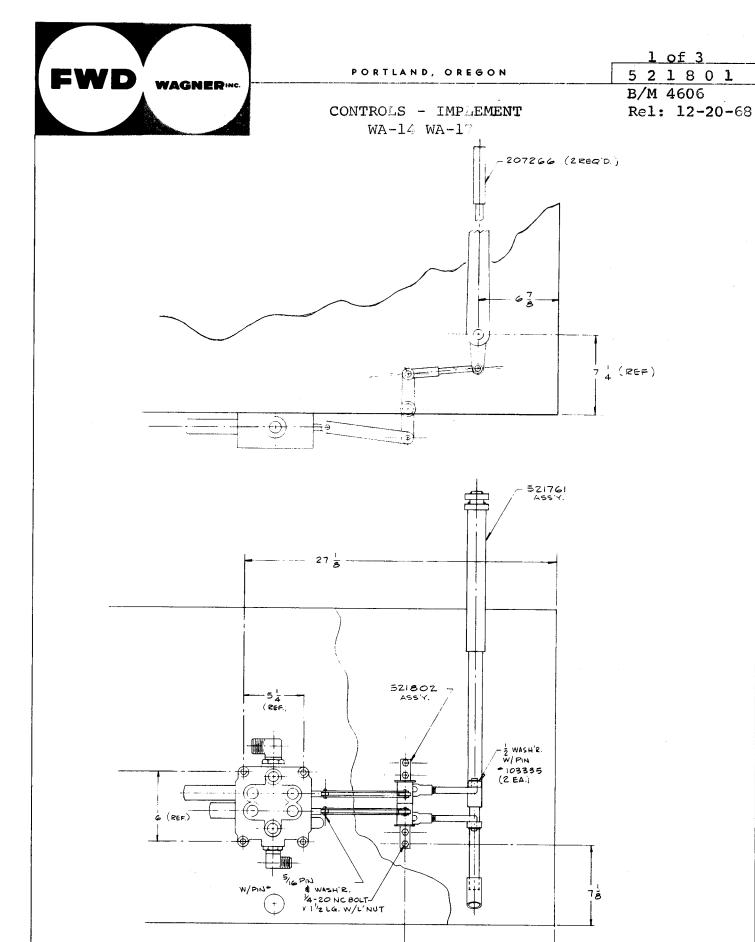
2 of 2 2 1 4 4 6 8

B-15512-1MC

Rel: 1-16-69

### PUMP - HYDRAULIC

ITEM	FWD NO.	DESCRIPTION	QTY.
1	214502	Tie Bolt	4
2	210908	Tie Bolt	2
3	214324	Tie Bolt	2
4	214325	Back Plate Assembly	1
5	208890	Body	. 1
6	208896	Drive Gear Assembly	1
*7	208892	Diaphram	1
*8	208893	Phenolic Gasket	1
<b>*</b> 9	208895	Protector Gasket	1
*10	208891	Moulded V Seal	1
*11	208889	Spring	2
*12	208912	Steel Ball	2
13	214327	Front Plate Assy.	1
*14	208897	Shaft Seal	1
15	208894	Idler Gear Assembly	1
	214503	Major Seal Repair Kit (Includes all parts marked *)	1



-13-



2 of 3 5 2 1 8 0 1

## CONTROLS - IMPLEMENT WA-14 WA-17

B/M 4606 Rel: 12-20-68

ITEM	FWD NO.	DESCRIPTION	QTY.
IIEM			•
	521801	Control Installation - 2 Spool	1
	521761	Handle Column Assy 2 Spool	1
	502408	Shaft Assy Column	-1
	502409	Shaft - Column	1
	502376	Handle - Shaft	1
	521762	Tube Assy Outer	1
	521763	Tube - Outer	1
	503273	Handle - Outer	1
	502680	Bushing - Bronze - 7/8 x l x l	2
	503304	Support Assy Column - 2 Spool	1
	503305	Tube - Support - 2 Spool	1
	503284	Bracket - Support	1
	503277	Bushing - Bronze - 1-1/4 x 1-3/8 x 1	. 2
	502386	Arm - Shaft	1
	503285	Arm - Outer	1
	509198	Pipe - Imp Handle	2
	207266	Handle Grip	: 2
	503287	Tail Bearing Assy. Column	1
	503288	Tube - Tail Bearing	1
	502680	Bushing - Bronze - 7/8 x 1 x 1	1
,	521802	Linkage Assembly	1
	510703	Shaft - Linkage	1



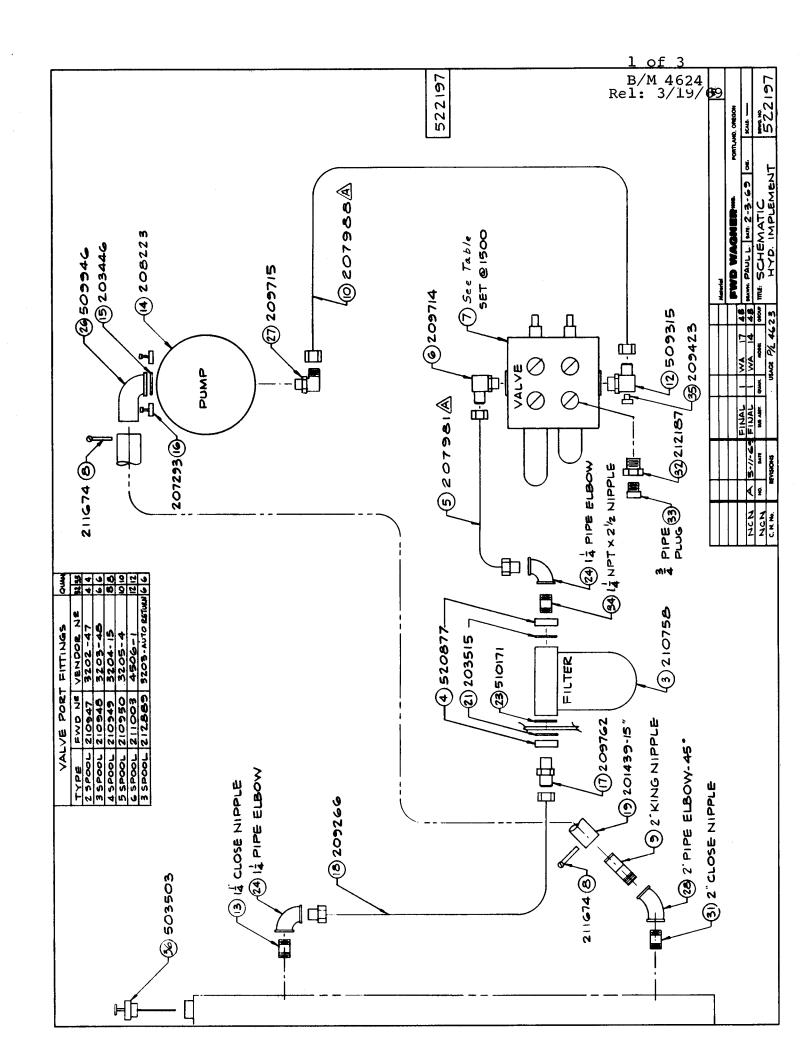
3 of 3 5 2 1 8 0 1

B/M 4606

Rel: 12-20-68

## CONTROLS - IMPLEMENT WA-14 WA-17

ITEM	FWD NO.	DESCRIPTION	QTY.
		Bushing - Machine - Reg. 7/8 x 12 Ga.	2
	G104787	Clevis Pin - 1/2 SAE	2
	G104039	Clevis - 1/2 SAE Light	2
		Cotter Pin - 7/64 x 5/8	6
	521495	Link - Valve Control	4
	503205	Rod	1
:	G103495	Clevis Pin - 5/16	4
		Washer - Plain - 1/2"	2
	521803	Bell Crank Assy.	2
	521805	Arm - Short	2
	521804	Arm - Long	2
	510673	Pipe - Bell Crank	2
	G271287	Lube Fitting - 1/4-28	2
	504294	Bushing Bronze - 7/8 x 1 x 1/2	4



2 of 3

5 2 2 1 9 7

B/M 4624 Rev: 3/27/69

# PLUMBING HYDRAULIC IMPLEMENT WA-14 WA-17

ITEM	FWD NO.	DESCRIPTION	QTY.
	522197	Schematic Hydraulic Implement	1
3	210758	Filter - Hyd.	1
4	520887	Flange	2
5	207981	Hose Ass'y.	1
6	209714	Elbow	1
7	210948	Valve - Implement	1
8	211674	Hose Clamp	2
9		King Nipple - 2" NPT	1
. 10	207988	Hose Ass'y.	1
12	509315	Elbow	1.
13		Close Nipple - 1 1/4 NPT	1
14	208233	Pump - Implement	1
15	203446	"O" Ring	1
16	207239	Flange	1
- 17	209762	Adapter	- <b>1</b>
18	209266	Hose Ass'y.	1
19	201439	Hose Suction - 15" Lg.	1
21	203515	"O" Ring	2
23	510171	Gasket	1'
		Elbow - 1 1/4 NPT	2
26	509946	Adapter	1
	509948	Extension	1. 1
27	209715	Elbow	/ <b>1</b>

3 of 3

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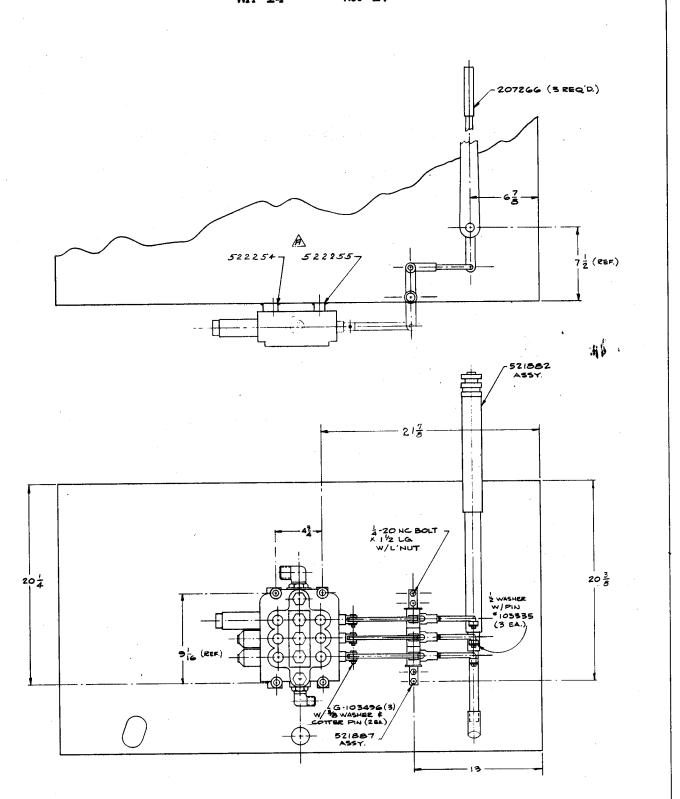
B/M 4624 Rev: 3/27/69

## PLUMBING HYDRAULIC IMPLEMENT WA-14 WA-17

ITEM	FWD NO.	DESCRIPTION	QTY.
28		Elbow - 45° - NPT	1
31		Close Nipple - 2" NPT	1
32	212187	Adapter	2
33		Plug - 3/4 NPT	2
34		Nipple - 1 1/4 NPT x 2 1/2	
35	209423	"O" Ring Plug	1
36	503503	Dip Stick Ass'y.	1
	208202	Filler Cap	1
	503504	Dip Stick	1
	·		

B/M 4622 Rel: 3/27/69

CONTROLS - IMPLEMENT (3 Spool - Husco) WA-14 WA-17





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B/M 4622 Rel: 3/27/69

CONTROLS - IMPLEMENT
(3 Spool - Husco)
WA-14 WA-17

ITEM	FWD NO.	DESCRIPTION	QTY.
	522199	Control Installation - 3 Spool	1
	521822	Handle Column Ass;y 3 Spool	1
	502408	Shaft Ass'y Column	1.
	521883	Tube Ass'y Inner	1
	502680	Bushing - Bronze 7/8 x 1 x 1	2
	521885	Tube Ass'y Outer	1
	503277	Bushing - Bronze 1-1/4 x 1-3/8 x 1	2
	503297	Support Ass'y Column - 3 Spool	1
	503281	Bushing Bronze - 1-5/8 x 1-3/4 x 1	2
	502427	Arm Shaft	1
	503285	Arm - Inner	:1
	503286	Arm - Outer	1
,	509198	Pipe - Imp. Handle	2
	503287	Tail Bearing Ass'y Column	1
	502680	Bushing Bronze 7/8 x l x l	1
	521887	Linkage - Ass'y.	1.
		Mach. Bushing - Reg. 7/8" x 12 Ga.	2
	521888	Bell Crank Ass'y.	1
	G271287	Grease Fitting - 1/4-28	1
	504294	Bushing Bronze $7/8 \times 1 \times 1/2$ "	2
	522195	Bell Crank Ass'y.	2
	G271287	Lube Fitting - 1/4 - 28	.2
	*		



3 of 3

5 2 2 1 9 9

B/M 4622

Rel: 3/27/69

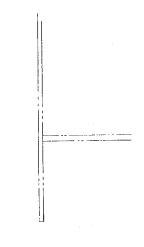
# CONTROLS - IMPLEMENT (3 Spool Husco) WA-14 WA-17

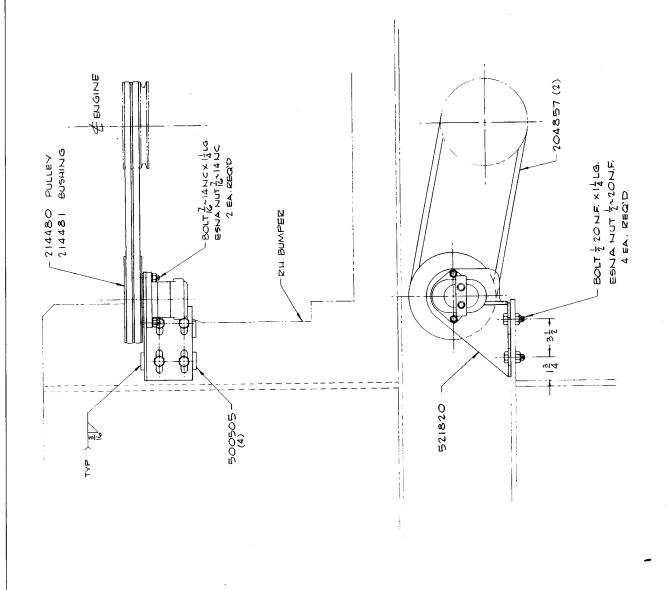
	WA-14 WA-17			
ITEM	FWD NO.	DESCRIPTION	QTY.	
	504294	Bushing Bronze 7/8 x 1 x 1/2	4	
	503205	Rod - Control	3	
	G104039	Clevis - 1/2 SAE Light	3	
	G103498	Clevis Pin - 1/2 SAE Hard	3	
	G9421090	Clevis Pin 3/8 - Hard	3	
	521889	Link - Valve Control	3	
	207266	Handle Grip	3	
	G271291	Lube Fitting - 1/4 28	5	

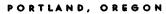
1 of 2

5 2 2 5 1 8 Rel: 4/3/69

PTO IMPLEMENT (15 Gal Pump)







FWD WAGNERING

5 2 2 5 1 8 Rel: 4/3/69 B/M 4608

(15 Gal. Pump)

PTO	IMPL	EMENT
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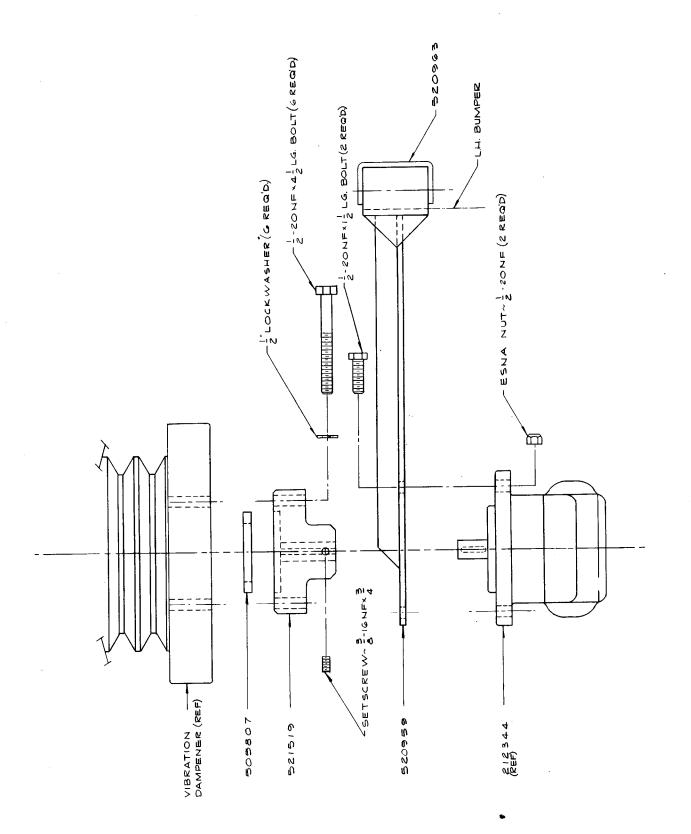
ITEM	FWD NO.	DESCRIPTION	QTY.
	522518	Installation	1
	521820	Bracket	1
	204857	V-Belt	2
	214480	Pulley - 2A6.0-QD	1
	214481	Bushing - Hub - 3/16 Keyway	1
	500505	Key Guide	4
		Bolt 3/8" - 24 x 1 1/4"	4
		Nut 3/8" Fibre Lock	4
		Washer 3/8"	8
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		<b>₹</b>	
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B/M 4605

Rel: 4/4/69

PTO STEERING PUMP WA-14 WA-17



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5 2 2 5 1 9

B/M 4605 Rel: 4/4/69

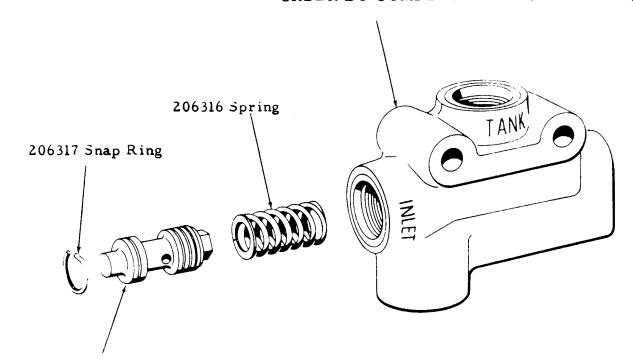
## PTO STEERING PUMP WA-14 WA-17

WA-14 WA-17			
ITEM	FWD NO.	DESCRIPTION	QT
	5225 <b>1</b> 9	P.T.O. Installation	
	520959	Arm Ass'y Pump Torque	1
	520963	Pad - Torque Arm	1
	521519	Adapter - Pulley to Pump	1
		Bolt - 1/2-20 x 1-1/2	2
		Bolt - 1/2-20 x 2-3/4	2
		Bolt - 1/2-20 x 7	2
		Nut - 1/2-20 Fiber Lock	6
		Set - Screw 3/8-16 x 3/4	1
	505807	Ring - Pilot	1
		``.	
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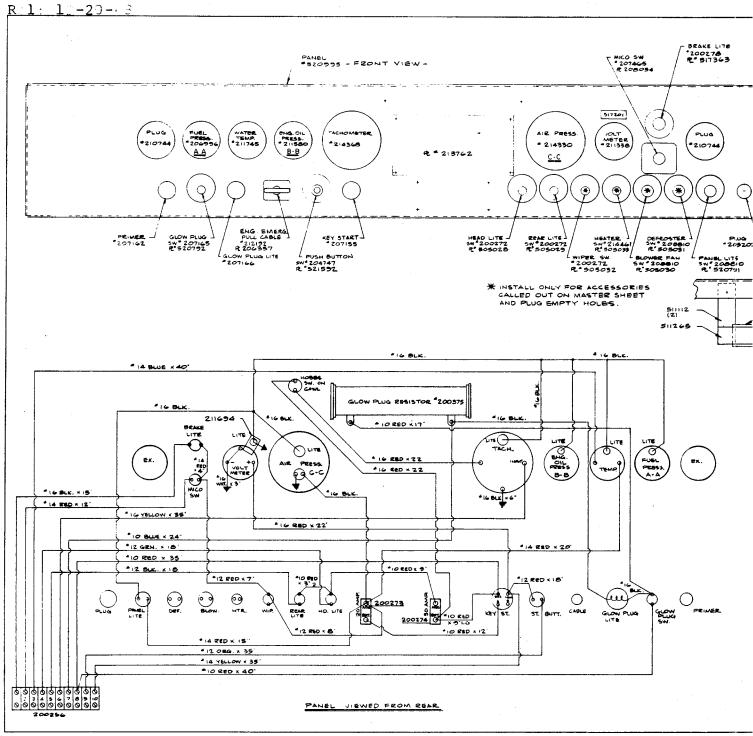


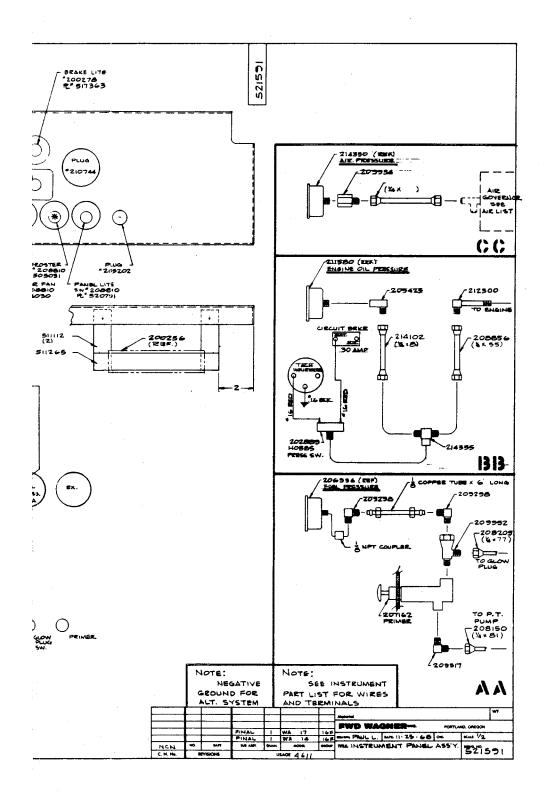
#### FLOW CONTROL VALVE

# BODY NOT SOLD SEPARATELY. ORDER BY COMPLETE ASS'Y. NUMBER CALLED



Control Valve Sub-Ass'y.





2 of 5 5 2 1 5 9 1

B/M 4611

Rel: 12-20-68

## INSTRUMENT PANEL ASSEMBLY WA-14 WA-17

ITEM	FWD NO.	DESCRIPTION	QTY
	520995	Instrument Panel	1
	517363	Name Plate - Brake Light	1
	206357	Name Plate - Eng. Emergency Pull to Stop	1
	208054	Name Plate - Mico Switch	1
	521592	Name Plate - Start	1
	505028	Name Plate - Head Light	1
	505029	Name Plate - Rear Light	1
	517201	Decal - Voltmeter	1
	517363	Name Plate - Emergency Brake Light	1
	520792	Name Plate - Glow Plug	1
	520791	Name Plate - Panel Light	1
	214368	Tachometer/Hourmeter	1
	204747	Start Switch	1
	207155	Switch - Ignition	1
	214330	Gauge - Air Pressure W/Low Air Light	1
	211745	Gauge - Engine Water Temp.	1
	214336	Sender - Engine Temp.	1
	211580	Gauge - Engine Oil Pressure	l
	206996	Gauge - Fuel Oil Pressure	1
	211338	Voltmeter	l
	207162	Primer - Engine	1
	207166	Light - Glow Plug Indicator	1



3 of 5 5 2 1 5 9 1

B/M 4611

Rel: 12-20-68

## INSTRUMENT PANEL ASSEMBLY WA-14 WA-17

EM	FWD NO.	DESCRIPTION	QT
	200278	Light - Red Indicating	1
	207465	Mico Switch	1
	211694	Light - Instrument	1
	207165	Switch - Glow Plug	1
	200272	Switch - Toggle	2
	208810	Switch	1
	200274	Circuit Breaker - 30A	1
	200273	Circuit Breaker - 20A	2
	200375	Resistor - Glow Plug	1
	200256	Junction Block	1
	202889	Switch - Pressure	1
	214335	Adapter - Hobbs Switch	1
	212300	Adapter - Oil in Engine	1
	209425	Adapter - Oil on Gauge - Engine	1
	209934	Adapter - Air on Gauge	1
	209317	Adapter - Fuel Pump	1
	209952	Adapter - Fuel	2
	209298	Adapter - Fuel	2
		Pipe Coupler - 1/8 NPT	1
		Copper Tube - 1/8 x 6 Lg.	1
	214102	Hose Assy Eng. Oil	1
	208856	Hose Assy Eng. Oil	1



4 of 5 5 2 1 5 9 1

B/M 4611

Rel: 12-20-68

## INSTRUMENT PANEL ASSEMBLY WA-14 WA-17

TEM	FWD NO.	DESCRIPTION	QTY
	212192	Pull Control Cable - Eng. Stop	1
		Hose Assembly - Air	1
	208150	Hose Assembly - PT Fuel	1
	208209	Hose Assembly - GP Fuel	1
	205202	Plug - Inst. Panel	1
	210744	Plug - Inst. Panel 2"	2
	511265	Mtg. Plate - J-Block	1
	511112	Mtg. Bracket - J-Block	2
		Wire - Red - #14 x 12" Lg.	1
		Wire - Blue - #14 x 40" Lg.	1
		Wire - Black - #16 x 15" Lg.	1
		Wire - Red - #10 x 35" Lg.	1
		Wire - Red - #12 x 7" Lg.	1
		Wire - Orange - #12 x 35" Lg.	1
		Wire - Red - #10 x 40" Lg.	1
		Wire - Green - #12 x 18" Lg.	1
		Wire - Black - #12 x 18" Lg.	1
		Wire - Yellow - #16 x 35" Lg.	1
		Wire - Red - #14 x 15" Lg.	1
		Wire - White - #16 x 3" Lg.	1
	200248	Terminal	28
	200247	Terminal	12



5 of 5 5 2 1 5 9 1

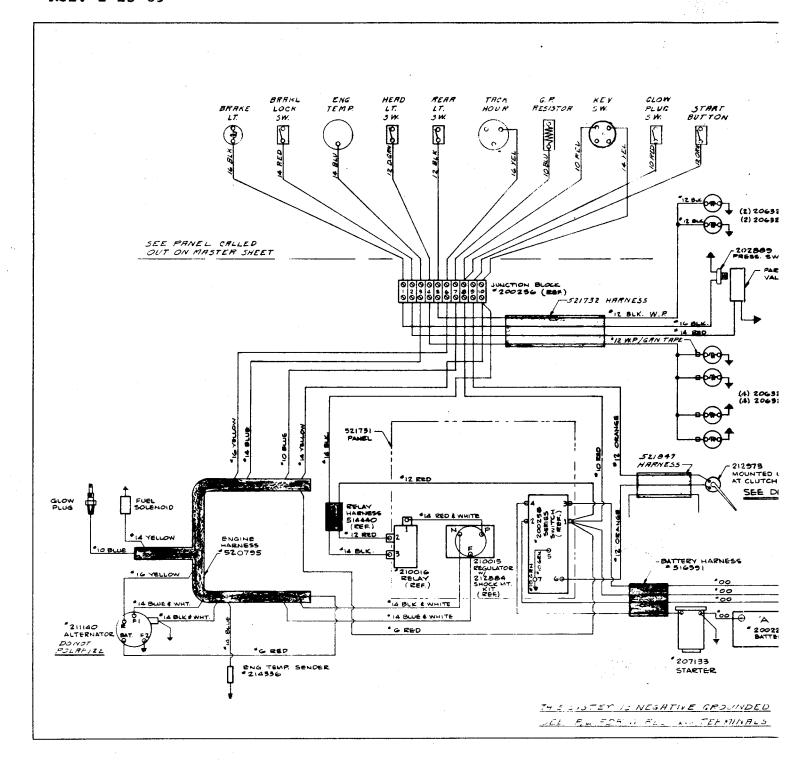
B/M 4611

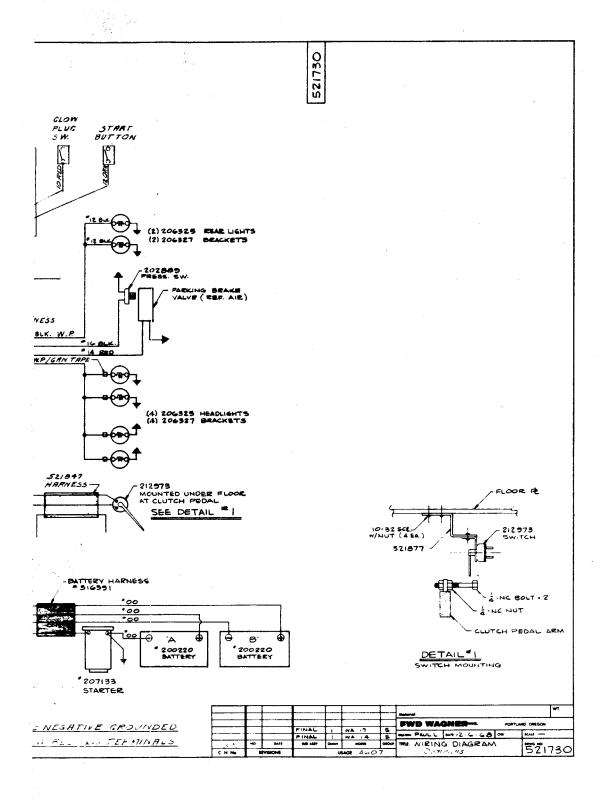
Rel: 12-20-68

## INSTRUMENT PANEL ASSEMBLY WA-14 WA-17

ITEM	FWD NO.	DESCRIPTION	QT
		Wire - Blue - #10 x 24" Lg.	1
		Wire - Yellow - #14 x 35" Lg.	1
		Wire - Red - #14 x 4" Lg.	1
		Wire - Red - #16 x 22" Lg.	3
		Wire - Red - #10 x 9" Lg.	2
		Wire - Red - #10 x 3" Lg.	1
		Wire - Red - #12 x 8" Lg.	1
		Wire - Red - #10 x 12" Lg.	1
		Wire - Red - #12 x 18" Lg.	1
		Wire - Black - #16 x 6" Lg.	2
		Wire - Red - #10 x 17" Lg.	1
		Wire - Red - #14 x 20" Lg.	1
		Wire - Black - #16 x 20" Lg.	1
		Wire - Black - #16 x 30" Lg.	1
1			

l of 2 B/M 4607 Rel: 1-15-69







2 of 2 5 2 1 7 3 0

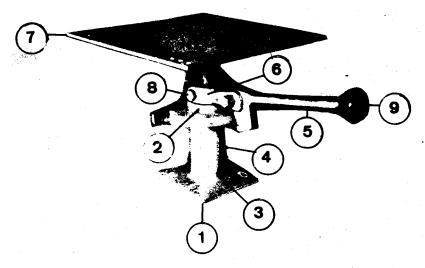
B/M 4607 Rel: 1-15-69

# WIRING DIAGRAM WA-14 WA-17

ITEM	FWD NO.	DESCRIPTION	QTY.
	200220	Battery	2
	206325	Light - Sealed Beam	6
	206327	Bracket - Light	6
	207133	Starter D/R 1113771	1
	211140	Alternator D/R 1117756	1
	202889	Switch - Park Light	1
	521731	Mounting Plate Assy.	1
	200258	Series Parallel Switch D/R 1119844	1
	210015	Voltage Regulator D/R 9000590	1
	210016	Relay D/R 1116895	1
	212884	Shock-Mount Kit - Regulator D/R 1919066	1
	514410	Harness Assembly - Relay	1
	520795	Harness Assembly - Engine	1
	521877	Bracket - Fail Safe Start	1
	212973	Switch	1
		Bolt - 1/4 NC x 2" Lg.	1
		Nut - 1/4 NC	3
		Screw 10-32 x 3/4" Lg.	4
	516591	Harness Assembly - Battery	1
	521847	Failsafe Start & Heater Harness	1
	521732	Chassis Harness Assembly	1



SWIVEL ASS'Y - SEAT



ITEM NO.	PART NO.	DESCRIPTION	Qty.
1	5 <b>21</b> 532	Base Ass'y (incl. items 2, 3 & 4)	1
2	200238	Bearing (Not illust.)	1
3	.503370	Bushing " "	7
4	1/8"	Dube Fitting	1.
5	503373	Latch & Handle Ass'y	1
6	503332	Collar Ass'y	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
7	52 <b>1819</b>	Post & Plate Ass'y	
8		Bolt, 3/8" - 20 x 3'2"	
9	200246	Knob	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-



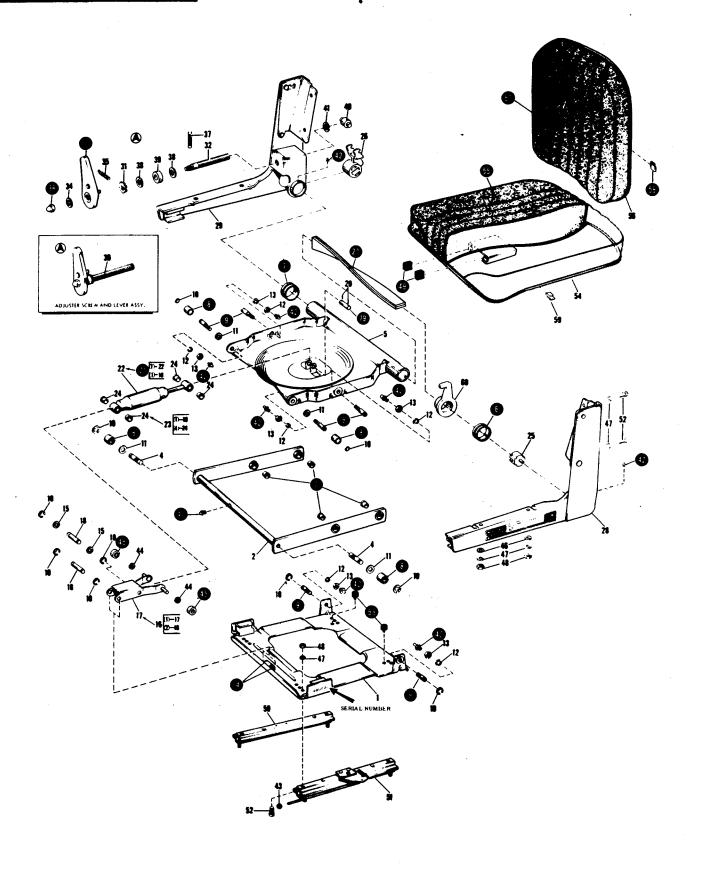
Page 1 of 2

2 1 4 4 2

**2**6657**-1** 

Rel: 12-17-68

# SEAT ASSEMBLY BOSTROM





Page 2 of 2 2 1 4 4 2 8

26657-1

Rel: 12-17-68

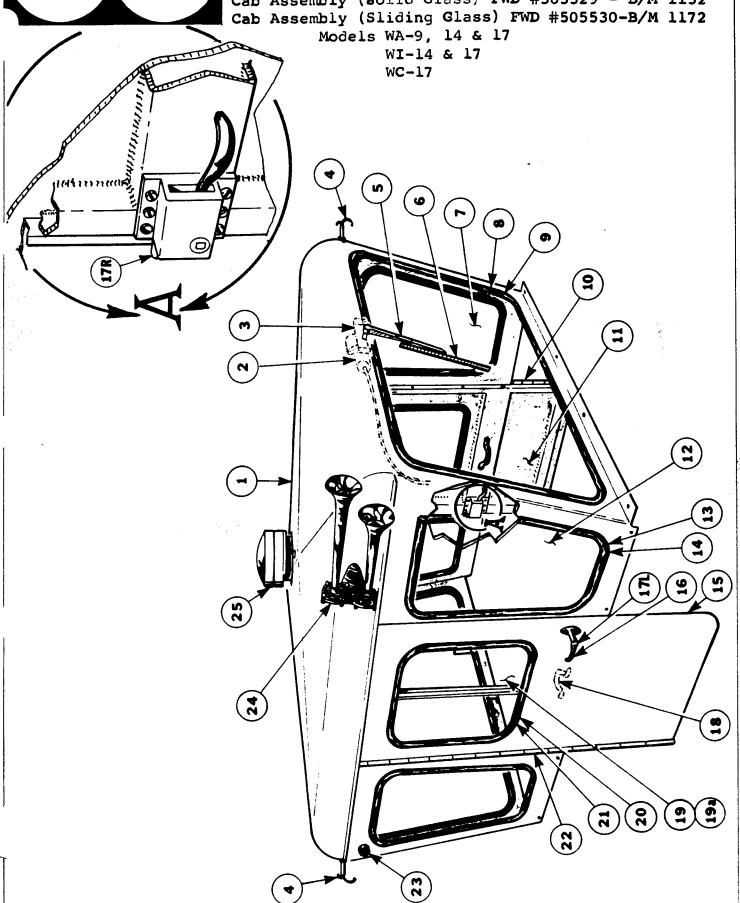
### SEAT ASSEMBLY BOSTROM

ITEM	FWD NO.	DESCRIPTION	QTY
		FOLLOWING ITEMS ONLY SERVICED FOR REPAIRS	
3	214484	Bearing	4
6	214485	L.H. Housing Bearing	1
7	214486	R.H. Housing Bearing	1
21	214487	Shock Absorber Kit	1
24	214488	Bearing	1
55	214489	Seat Gover Kit	1
57	214490	Back Cover Kit	1
		FOLLOWING NOT ILLUSTRATED	
	509340	Arm Rest - R.H. (Not incl. w/Seat Assembly)	1
	509341	Arm Rest - L.H. (Not incl. w/Seat Assembly)	1
		NOTE: For complete Seat Assembly w/Arm Rests order #521416	
			-
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1			

FWD WAGNERING

Rel: 7-11-66

Cab Assembly (Solid Glass) FWD #505529 - B/M 1152



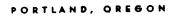


Rel: 7-11-66

CAB ASSEMBLY (Solid Glass) FWD #505529 - B/M 1152 CAB ASSEMBLY (Sliding Glass) FWD #505530 - B/M 1172 Models WA-9. 14 & 17

WI-14 & 17 - WC-17

WI-14 & 17 - WC-17			
ITEM	FWD NO.	DESCRIPTION	QTY.
1	502598	Cab Assembly	1
		(Less Doors, Glass and Hardware)	1
2	211155	Motor-Wiper, Electric	1
3	5112 <b>4</b> 9	Bracket-Wiper Mounting	1
4	203089	Latch,	2
5	202228	Arm - Wiper	1
6	202229	Blade-Wiper	1
7	502590	Windwhield Glass (Solid)	2
7	503591	Windshield Glass (Sliding)	2
8	200326	Windshield Moulding-Retainer (136" Long)	2
9	203037	Windshield Moulding-Innerlock (136" Long	2
10	502586	Hinge-Door, Short (R.H.)	1
11	502600	Door Ass'y-(Less glass & Moulding) R.H.	1
12	502588	Glass-Cab Sides	4
13	200326	Moulding-Retainer-Cab Side-67" Long	4
14	203037	Moulding-Innerlock-Cab Side-67" Lg.	4
15	502599	Door Ass'y-L.H. (Less Glass & Moulding)	1
16	203155	Handle- Door	2
17L	203154	Lock-Door - L.H.	1
17R	203052	Lock-Door - R.H.	l
18	203150	Bar-Sash Lift	2
19	502589	Glass-Cab Door (Solid)	2





Rel: 7-11-66

CAB ASSEMBLY (Solid Glass) FWD #505529 B/M 1152 CAB ASSEMBLY (Sliding Glass) FWD #505530 B/M 1172 Models WA-9, 14 & 17

		WI-14 & 17 - WC-17	
ITEM	FWD NO.	DESCRIPTION	QTY.
19A	503590	Glass-Cab Door (L.HSliding)	1
19A	503861	Glass-Cab Door (R.HSliding)	1
20	200326	Moulding-Retainer=Cab Door-74" Lg.	2
21	203037	Moulding-Innerlock-Cab Door-74" Lg.	2
22	502583	Hinge-Door-Long (L.H.)	1
23	200325	Bumper=Rubber (Door)	2
		Optional Equipment	
24	207906	Horn Ass'y	1
25	203236	Blower Fan-Cooler	1
		Not Illustrated	
	511382	Cab Harness	1
1.1 M	511418	Harness-Panel to Cab	1
		Optional Equipment - Not illustrated	
	203238	Spot Lights	
	204785	Dome Light .	1
<b>,</b>	204796	Cigar Lighter	1
	203278	Rear View Mirror	
	203234	Defroster Fan	1
	203235	Heater	1
1			
1			

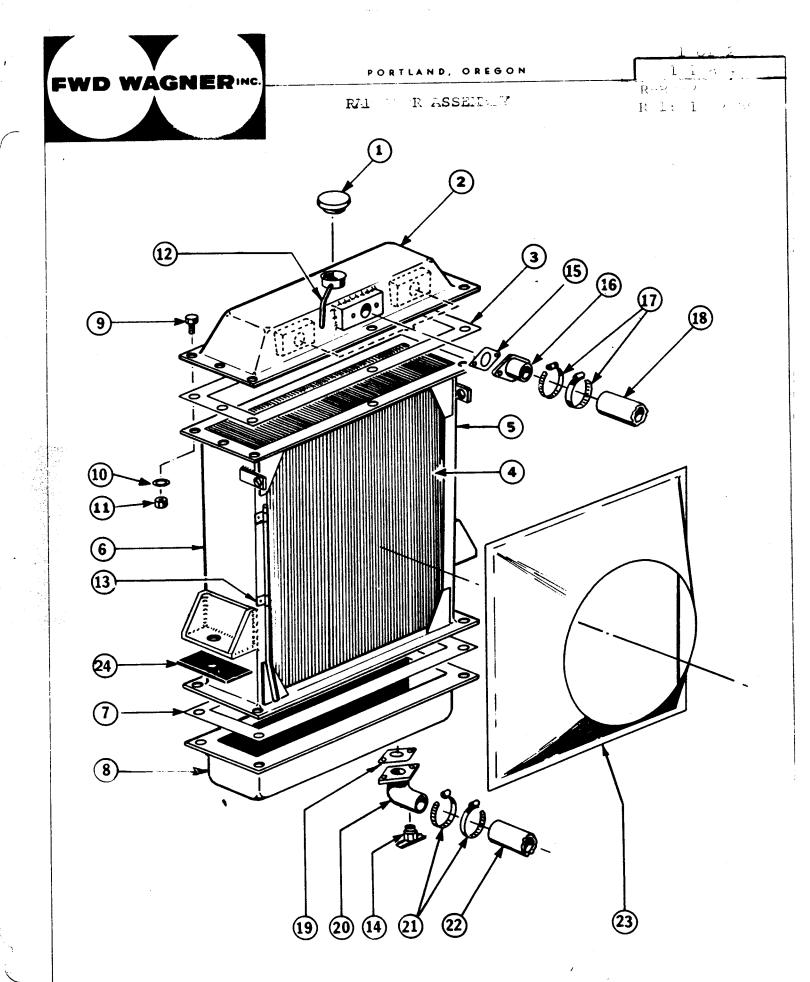




B/M 4625 Rel: 4/3/69

# AIR CONDITIONER WA-14 WA-17

LEW	FWD NO.	DESCRIPTION		1.9
	214511	Mtg. Kit & Clutch	Frig #91-03909	
			With 1 75T Belt	
	214641	Cab Unit	Frig #91-11558	-
	214642	Hose Kit	Frig #91-06791	
			<u>-</u>	
	214643	Compressor	Frig #60-00585	
		•		
		NOTE: FOR PARTS & SERVI	CE ON ABOVE,	
		SEE YOUR NEAREST	CUMMINS ENGINE DISTRIBUTOR	-
	•			
				1
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				1
				1
			•	
	1			





### RADIATOR ASSEMBLY

2 1 1 8 4 4

R-8232

Rel: 12/2/66

TEM	FWD NO.	DESCRIPTION	QT
TEM.	211844	Radiator Assembly (Include Items 1 thru 14)	
1	202874	Fill Cap	1
2	213032	Tank-Top	1
3	213034	Gasket	3
4	213031	Core Assembly	1
5	213035	Side Plate - R.H.	1
6	213036	Side Plate - L.H.	1
7	213034	Gasket	3
8	213033	Tank - Bottom	]
9		Bolt - 5/16" N.C. x l" Hex Hd	I
10		Lockwasher 5/16"	7
11		Nut - 5/16" N.C.	I
12		Overflow Tube	ן ו
13		Overflow Tube Clip (Incl. w/Item 6)	
14	203056	Drain Cock	] ]
		NOTE: SEE ATTACHED B/M's FOR ALL OTHER ITEMS	



B/M 4399

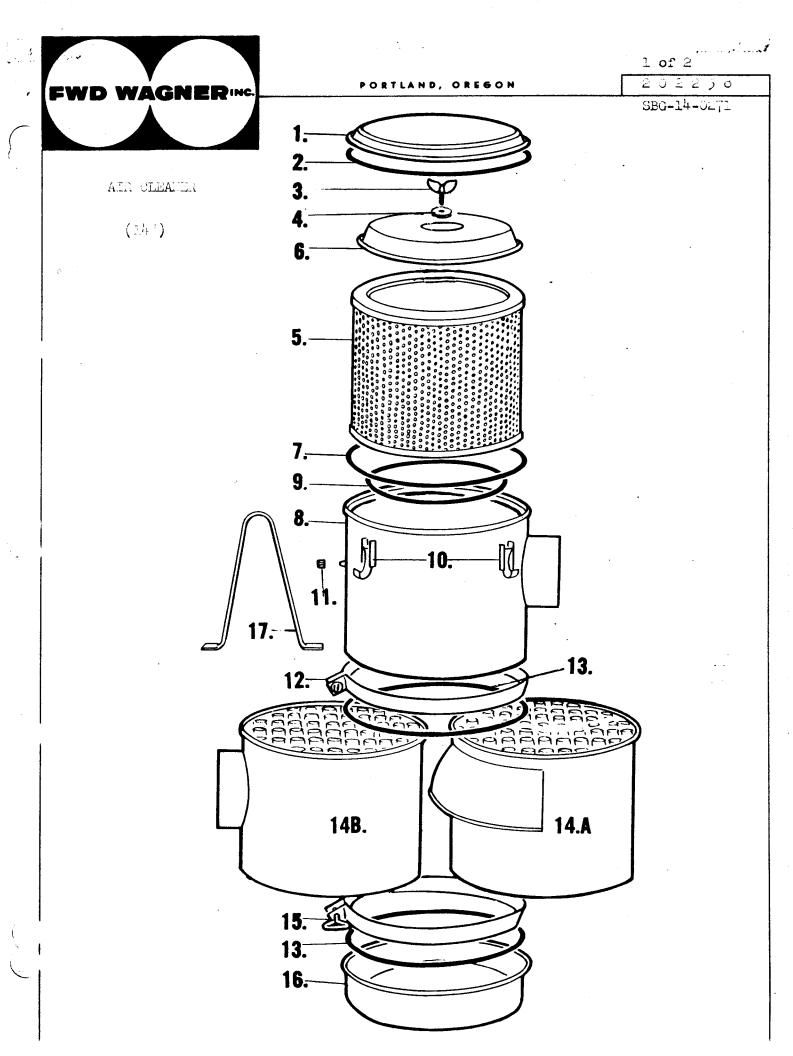
RADIATOR SHROUD

Rel: 1-20-69

&

# ATTACHING PARTS Model WA-17 - for 211844 Radiator

ITEM	FWD NO.	DESCRIPTION	QTY.
15	506669	Gasket - Top Connection	1
16	508069	Connection - Top	2
17	200302	Clamp - Hose	4
18	200298	Hose - Top - 2-3/4 x 32" Long	2
19	506669	Gasket - Bottom Connection	2
20	519134	Cooler - Trans. Oil	1
21	200302	Clamp - Hose	8
22	200299	Hose - Bottom 2½ x 19" Long & 1 Pc. 5" Lg.	2
23	521824	Shroud Assembly	1
24	505697	Radiator Shock Pad	2
		FOLLOWING ITEMS NOT ILLUSTRATED	
		Grill Assembly - NOT USED	
	521821	Screen Assembly	1
	521520	Hood Assembly	1
	209127	Clamp - Hood Hold-down	4
	517041	Brace - Radiator	2
	200301	Hood Cushion Tape - 7/16 x 1 x 36" Long	1
	521583	Hood Support Assembly	2
	517033	Bearing - Hood Shaft	2
	207262	Bushing - Hood Shaft	2



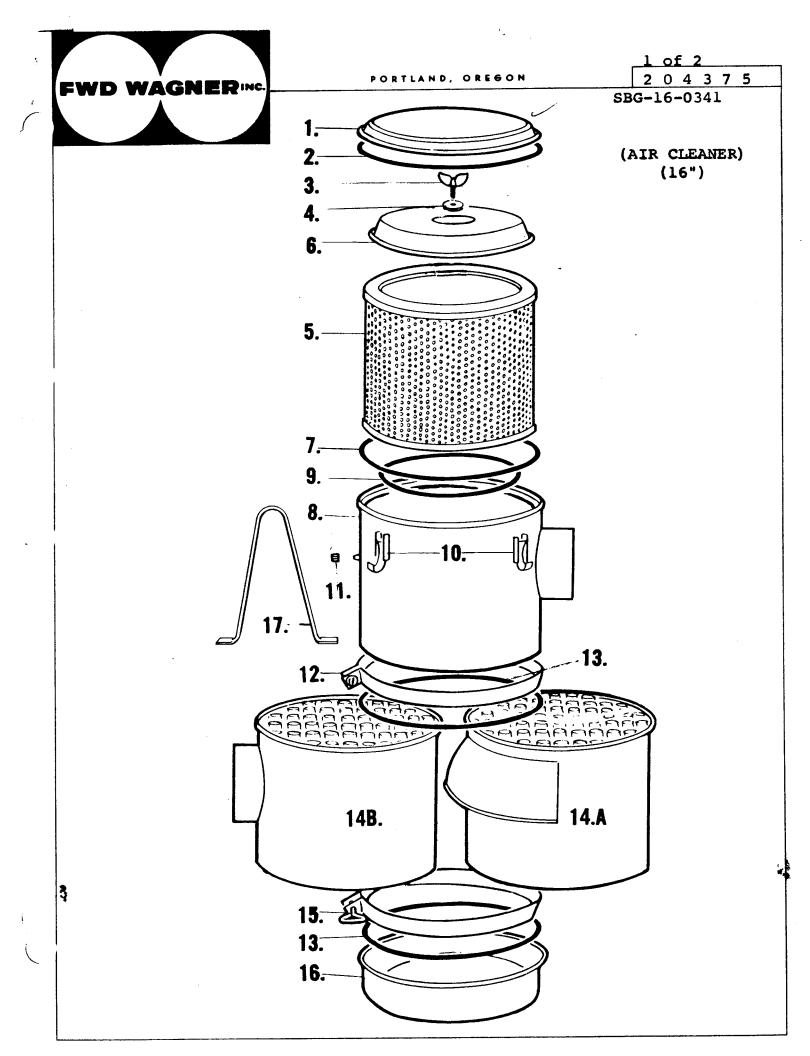




2 0 2 2 5 8 SBG-14-0271

### AIR CLEANER 14"

ITEM	FWD NO.	DESCRIPTION	QTY.
1	207889	Cover Ass'y	1
2	205239	Cover Gasket S	1
3	205240	Thumb Screw	L
4	205268	Gasket Washer S	1
5	202942	Element Ass'y S	1
6	205718	Inner Cover	1
7	202943	Inner Cover Gasket S	1
8	207890	Upper Body Ass'y	1
9	202944	Element Gasket S	1
10	205244	Over Center Cover Clips	3
11	202945	Restriction Cap	1
12	207891	Body Clamp Ass'y	1
13	202946	Body & Cup Gasket S	2
14	207892	Lower Body Ass'y	1
<b>1</b> 5	207893	Cup Clamp Ass'y	1
16	207894	Cup Ass'y	1
17	NOT USED	Element Guide	
18	208136	Service Gauge (Not Illustrated)	1
		NOTE: Parts marked with letter "S" are recommended Dealer and Fleet Operators stock items.  For other parts order by Item Number	

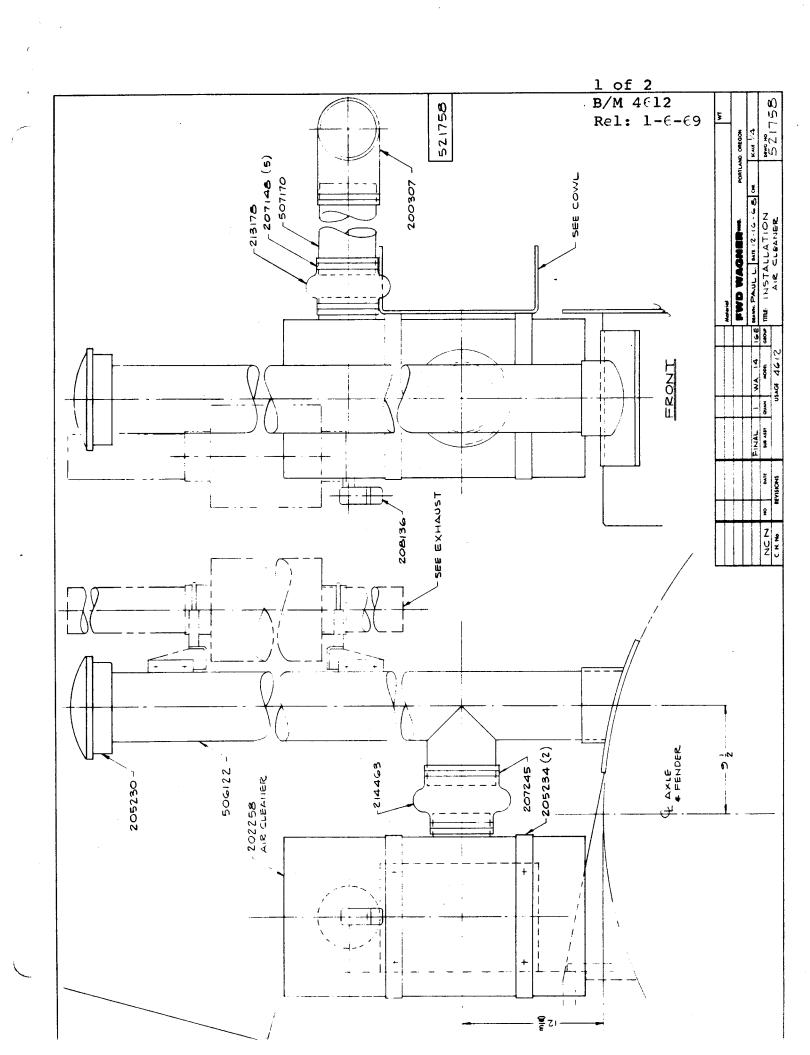


2 of 2 2 0 4 3 7 5

SBG-16-0341

# AIR CLEANER - 16"

ITEM	FWD NO.	DESCRIPTION	QTY
1	207895	Cover Assembly	1
2	205257	Cover Gasket	1
3	205240	Thumb Screw	1
4	205268	Gasket Washer	1
5	205710	Element Assembly	1
6	205711	Inner Cover	1
7	205712	Inner Cover Gasket	1
8	207896	Upper Body Assy.	1
9	205 248	Element Gasket	1
10	205244	Over Center Cover Clips	3
11	202945	Restriction Cap	1
12	207897	Body Clamp Assembly	1
13	205245	Body & Cup Gasket	2
14	207898	Lower Body Assembly	1
15	207899	Cup Clamp Assembly	1
16	207926	Cup Assembly	1
17	Not Used	Element Guide	
18	201544	Service Gauge	1
	:		





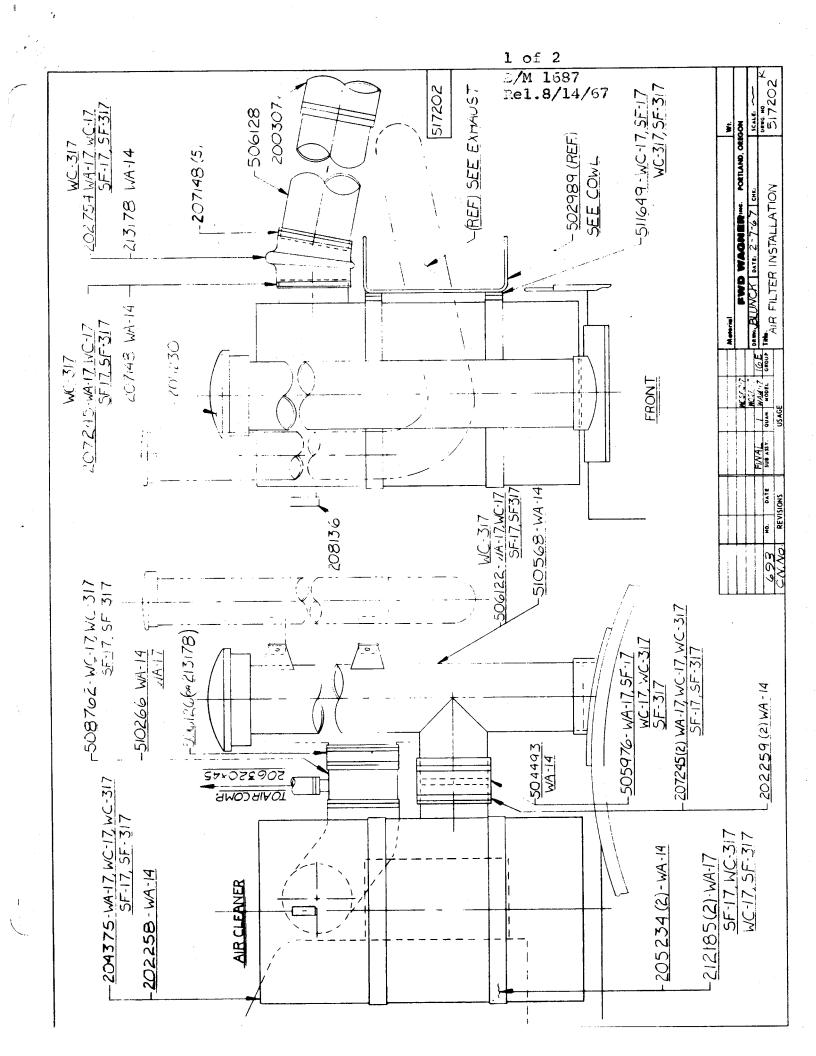
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B/M 4612

Rel: 1-6-69

# AIR CLEANER INSTALLATION WA-14, WA-17

ITEM	FWD NO.	DESCRIPTION	QTY.
IIEM	202258	Air Filter - 14"	1
	205234	Filter Mtg. Bands	2
	205230	Air Inlet Hood	1
	208136	Filter Gauge	1
	214463	Reducer 6 x 5	1
	506122	Pipe Assy Air Cleaner Inlet	1
	507170	Pipe - Filter to Engine	1
	200307	Elbow - Rubber 90°	1
	207148	Hose Clamp 6"	5
	207245	Hose Clamp 6½"	1
	213178	Connector - Rubber	1
	200286	Filter - Lube Oil	1
	:		





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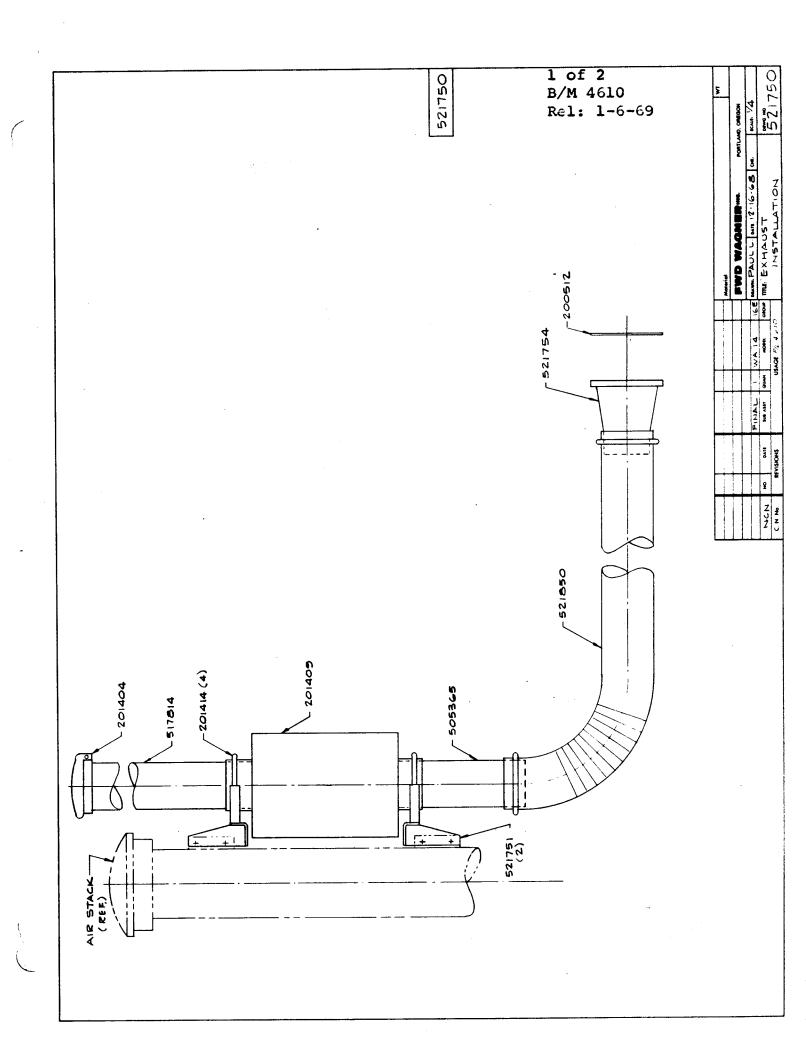
B/M 1687 Rel: 8/14/6°

INSTALLATION - AIR CLEANER

Model - WC-17

SE-17

SF-17			
TEM	FWD NO.	DESCRIPTION	QT
	204375	Air Filter	1
	212185	Filter Mtg. Bands	2
	205330	Air Inlet Hood - 6"	1
	208136	Filter Gauge	l
	511649	Spacer - Filter Bracket	2
	506122	Pipe Assy Air Cleaner Inlet	1
	508762	Tube Assy Air Intake to Comp.	1
	202754	Pipe Reducer - 6 x 5½ Rubber	1
	200307	Filtow - Rubber - 90°	1
	506128	Pipe - Filter to Eng.	] 1
	207148	Hose Clamp - 6"	
	207245	Hose Clamp - 6½	
	206320	Hose - 45" Lg.	]
	505976	Connector - Rubber _ 6 I. D. x 4 Lg.	] 1
	506126	Connector - Rubber - 5½ I.D. x 4 Lg.	!





2 of 2

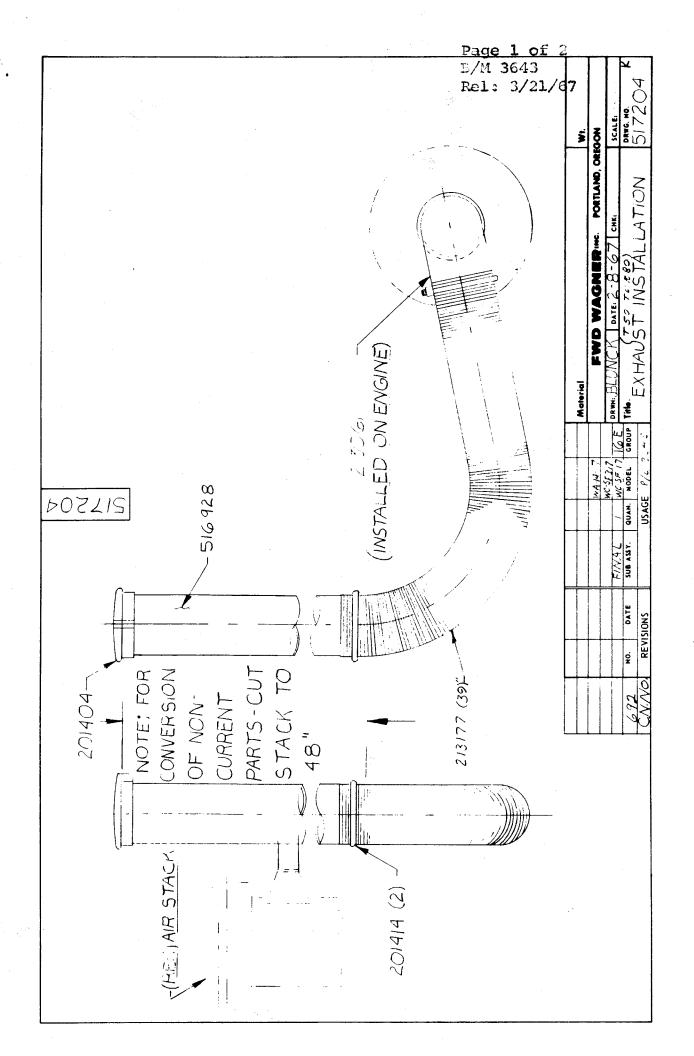
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B/M 4610

Rel: 1-6-69

## MUFFLER - INSTALLATION WA-14

TEM	FWD NO.	DESCRIPTION	QT
	521751	Bracket - Assy Muffler	2
	521754	Adapter - Manifold to Pipe	1
	517814	Pipe - Upper	1
	505365	Pipe - Lower	1
	201409	Muffler	1
	201404	Rain Cap	1
	201414	Clamp - 4"	4
	200512	Gasket	1
	521850	Flex Exhaust Tubing 4" ID	1



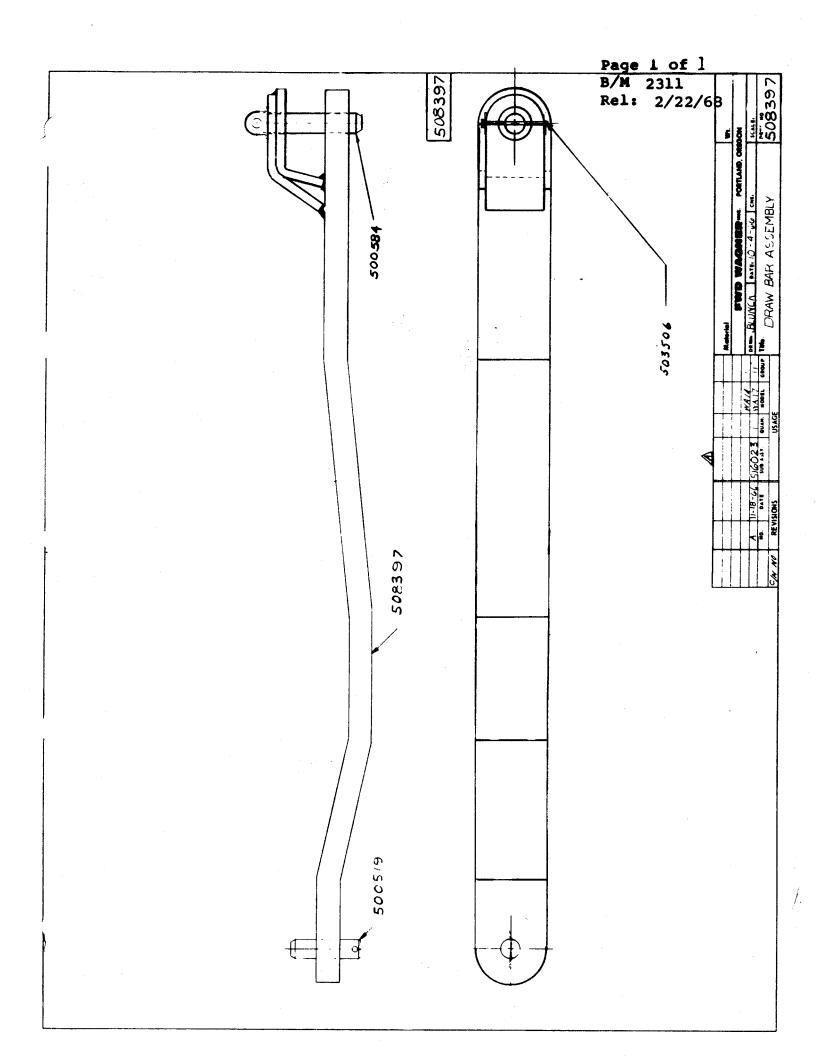


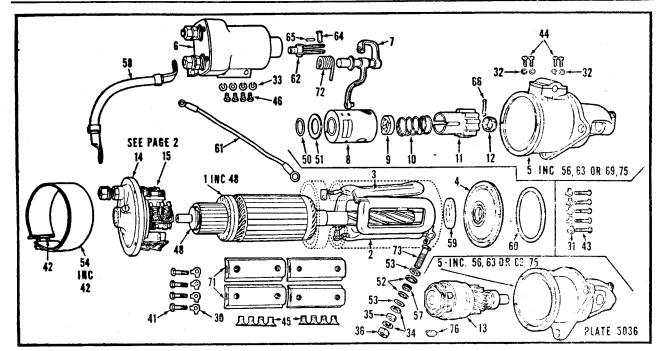
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B/M 3643 Rel: 3/21/67

# MUFFLER (For Flex Pipe) Model WC-17, WC-317 WA-14

		SF-17 SF-317 WA-17		
ITEM	FWD NO.	DESCRIPTION		QTY.
	517204	Exhaust Installation	+ V.	!
	516928	Exhaust Stack Assembly	•	1
	213177	Flex Exhaust Tubing - 4" I.D. x 39" Lg.		1
	201404	Rain Cap		1
	201414	Clamp		2
	213061	Elbow		1.
				!
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Illustrations are of Typical Parts only. For parts not illustrated or in columns see Minor Parts Section.

Model No.	Arma- ture	(a) Field Coil — L.H.	(a) Field Coil R.H.	‡Plate ————————————————————————————————————	Housing Drive 5	Switch •	Lever Shift	Sleeve Shift	Cuide Pinion	Spring Meshina	Pinion	Collar Stop	Drive Assem
1113761 1113762 1113763 1113765 1113766	1937S47 " " "	1937117 1938859	1937121 1938860	1941437 1937113 1941437	"					•••••		<b></b>	•1937675 •1941433 •1937089 •1937675 •1941433
1113767 1113768 1113769 1113770 1113771	1937071 " " 1937847 1937071	1937117	1937121	1909603 1909496 " 1937113 1909496	1932549 1923287								*1938010 * " *1937089 *1938010
1113772 1113773 1113774 1113775 1113776	1918052 1936455 1918052 1937071	1937117 1937612 1937117	1937121 1937612 1937121	l .	1936449 1941612 194185)	F1119805	1914253						†1940077 †1932031 †1932545 †1932605 •1938040
1113777 1113778 1113779 1113780 1113781	1921117 1911168 1921110 4 1911168	0 1937117 " "	0 1937121 2	1909496 1937113 1909496 1909603 1937113	1885535 1909579 1878404	□1119804 □1119803 □ " □1119939 □1119803	u u	1907636 1906082 " "		1000080	1922761 1928085 1928985 194485	1916224 1872650 1916228	1
1113782 1113783 1113784 1113785 1113787	1918052 " " 1937847	" 4 1937117 ♣	1937121	1918048 " 1937113	1943337	□ " □1119804 □1119803	"				••		†1932031 † " † " •1939124
1113788 1113789	1937071 1885624	1937117	1937121	1909603		□1119804	1864012	1906082	1906081	1906080	1928-985	(87265)	*1938010

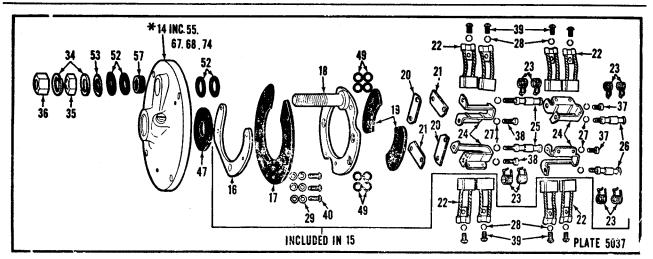
<sup>&</sup>lt;sup>o</sup>For Parts see Switch—Group 101-A.

<sup>\*</sup>Service by complete replacement.

1937875 is Lower—L.H. 1937876 is Upper—L.H.
1937877 is Lower—R.H. 1937875 is Upper—R.H.

<sup>\*</sup>For parts see Motor Drive-Group 9.

<sup>•</sup>Lower Lever is 1930652—Upper is 1936458, †For parts see Motor Drive—Group 7, \$1938948 is lower—L.H. 1938949 is upper—L.H. \$1938950 is lower—R.H. 1938947 is upper—R.H.



Illustrations are of Typical Parts only. For parts not illustrated or in columns see Minor Parts Section.

Model No.	*Frame C.E.	Plate  Assem. Less Brushes	Plate Support	Insulator Brush Plate 17	Plate & Stud	Insulator Brush Holder	Plate Space Ins. Holder	Plate Space Ord. Holder	Brush (8 Req.)	Spring — Brush	Holder Brush	Screw Ins. Holder	Screw Grd. Holder
1113761 1113762 1113763 1113765 1113766	1909514	1909527	1874847	1909523	1907467	1874846	1874848	1874851	1906909 " "	1861785	1909521	1861786 " " "	1861787 " "
1113767 1113768 1113769 1113770 1113771	п п п	u u u	и и и	и и и	u u u	и и и	и и и	# # #	u u u	n n	u u u	n n n	и и и
1113772 1113773 1113774 1113775 1113776	" 1936468 1909514 "	и и и	и и и	и и и и	и и и	u u u	и и и	u u u	u u u	  	и и и	и и и и	" " "
1113777 1113778 1113779 1113780 1113781	и и и	и и и	и и и	и и н	и и и	и и и	и и и	и и и и	и и и и	. u 	u u u	и и и и	и и и
1113782 1113783 1113784 1113785 1113787		u u u	и и и	u u u	и . и 	и п п	и и и и	и и и	и и и и	п п п	n n n	u u u	и и -
1113788 1113789	u	<i>u</i>	u	ű	u	u	u u	. "	u	u	u	u u	u

<sup>\*</sup>Includes Brake Washer (47)

### MINOR PARTS SECTION

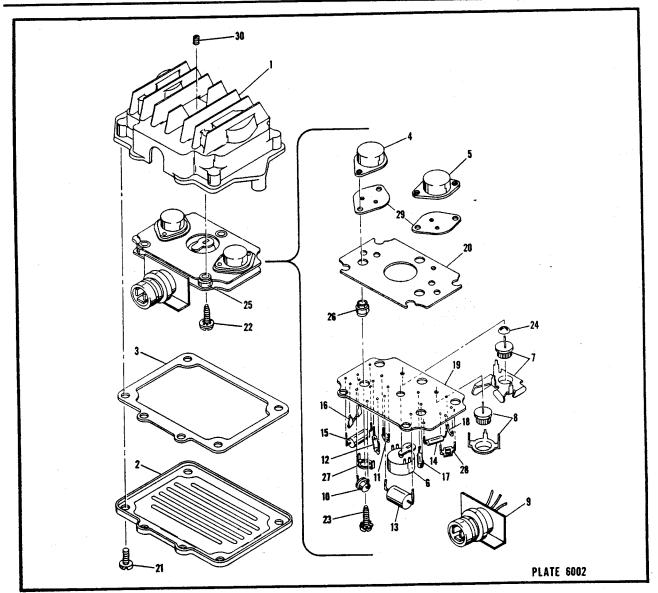
Illus. No.	Name	Part No.	Used on Models
27 28 29 30 31 31 32 	LOCK WASHERS Lock Washer—Brush Holder Screw Lock Washer—Brush Lead Screw Lock Washer—Brush Plate Assem. Attach. Scerw Lock Washer—C.E. Frame Screw Lock Washer—Drive Housing Screw Lock Washer—Drive Housing Screw Lock Washer—Drive Housing Screw Lock Washer—Drive Housing Screw Lock Washer—Drive Housing Screw Lock Washer—Drive Housing Screw Lock Washer—Trive Housing Cover Screw Lock Washer—Field Coil Ground Screw Lock Washer—Terminal Stud	131098  1900310  121637	All All All 1113761-2-6-7-8; 71-3-6-7-8-9; 80-7-8-9 1113765: 72-4-5; 81-2-3-4-5 1113775; 80-1-2-9 1113775 All
35 36	NUTS   Nut—Terminal Stud (5/6 thk.)   Nut—Terminal Stud (7/6 thk.)	120238 120378	All All
37 38 39 40 41 42 43 43 44 44 45	SCREWS Screw—Brush Holder—Ground Screw—Brush Holder—Insulated Screw—Brush Lead Attaching Screw—C.E. Frame Attaching Screw—Cover Band Screw—Orive Housing Attaching (1/4-28x13/8) Screw—Drive Housing Attaching Screw—Drive Housing Cover Attaching Screw—Drive Housing Cover Attaching Screw—Drive Housing Cover Attaching Screw—Field Coil Ground Screw—Pole Shoe Screw—Switch Attaching	1912728 121749 132760 1867877 132926 1874496 1867877 1874857 437326 132259 431942	All All All All All All All All All All
47 48 49 — 50	WASHERS Washer—Brake—C.E. (Fiber) Washer—Brake Shoe Washer—Ins. (Bushing) Brush Holder Screw Washer—Felt—C.E. Washer—Plain—Brush Plate Assem. Screw Washer—Space—Between Armature & Center Bearing Washer—Space—Between Center Bearing & Shift Sleeve Washer—Space—Between Center Bearing & Shift Sleeve or Drive Washer—Space—Between Center Bearing and Drive	1858490 1856819 1861788 1935255 810794 1911645 1906089	1113777-8-9; 80-1-2-9 1113777-8-9; 80-1-2-9 All 1113773 All 1113772-4-5; 83-4-5 1113777-8-9; 80-1-2-9 1113767-8-9; 71-6; 87
51 52 	Washer—Space—Between Center Bearing and Drive Washer—Space—Cupped—Between Center Bearing and Shift Sleeve Washer—Space—D.E. Washer—Space—D.E. Washer—Ins. (7, 0.D.) Terminal Stud Washer—Ins. (1" 0.D.) Terminal Stud Washer—Insulator (2, 0.D.) Terminal Stud Washer—Insulator (2, 0.D.) Terminal Stud Washer—Plain—Ground Screw Washer—Plain—Terminal Stud Washer—Thrust—C.E.	1936638 1906090 1907495 1881771 1861791 1922457 1903058 32898 811912	1113761-2-3-5-6; 70; 87 1113777-8-9; 80-1-2-9 1.12765-7-8-9; 71-6; 87-8 1113761-2-3-6; 70 All All 1113762-5-6; 72-7; 84-7-9 1113775 All 1113761-2-3-5-6-7-8-9; 70-1-2-3-4-5-6; 83-4-5-7-8
54 55 56 56 56 56 56 56 56	MISCELLANEOUS BAND—Cover BUSHING—C.E. BUSHING—D.E. BUSHING—D.E. BUSHING—D.E. BUSHING—D.E. BUSHING—D.E. BUSHING—D.E. BUSHING—D.E. BUSHING—Center Bearing BUSHING—Center Bearing BUSHING—Center Bearing BUSHING—Center Bearing	38273 1938754 1856826 1996382 1926140 1904083 1942995 1913550 1877962 1921660 1916389	All All 1115777-8-9; 89-1-2 1115789 1113767-8-9; 71 1115772-3; 83 113776; 87 1113761-2-3-5-6; 70-4-5; 85 1113763-7-8-9; 70-1-6-8-9; 81-2-7-9 111572-4-5; 83-4-5 1115773

# **Delco-Remy**SERVICE PARTS CATALOG

### MINOR PARTS SECTION

Illus. No.	Name	Part No.	Used on Models
	MISCELLANEOUS—(Continued)	4044400	4440
	BUSHING—Center Bearing	1916438	1113769   1113761-2-5-6
	BUSHING—Center BearingBUSHING—Ins. Terminal Stud	1941439	All
57	BUSHING—Ins. Terminal Stud BUSHING—Ins. Terminal Stud	1937116	All except 1113775
58	CABLE	1909848	1113772-3-4-5-7-8-9; 80-1-2-3-4-5-9
	CLIP_Terminal Stud	1937665	All except 1113775
	CLIP—(Retainer Ring)—Lever Shaft	9415234	1113773
59	COLLAR-Between Armature & Center Bearing	1010059	1110565 0 0 51 6 5 0 90 5 0
	(11-0.D.) COLLAR—Space—Between Armature & Center Bear.	1919853	1113767-8-9; 71-6-7-9; <b>80-7-9</b> 11113773
	CUP—Felt Retainer—C.E.	1935256	1113773
60	GASKET—Center Bearing	1914867	1113761-2-5-6-9; 71-3-7-9
60	GASKET—Center Bearing	1910353	1113768
_	GASKET—D.E. Cover Plate Attaching	114659	1113777-9
	GASKET-Shift Lever Spring	1909531	1113777-9
	INSULATOR—Field Coil	1013534	1113763-5-6; 72   All Except 1113733-5-6; 72
61	INSULATOR—Field Coil Triangle LEAD—Switch To C.E. Terminal	1908675	1113772-3-4-9; 80-2-3-4-5-9
61	LEAD—Switch To C.E. Terminal	1910134	1113777-9; 80-9
62	LINK (& Screw)—Assembly	1909576	1113777-8; 81
62	I INK (& Screw)—Assembly	191/6/2	1113772-4-5; 83-4-5
62	I INV (& Scraw)_Assembly	1930401	1113773
62	LINK (& Screw)—Assembly OIL CUP—Center Bearing	1881381	1113778; 81-2
	OIL CUP—Center BearingOIL CUP—D.E	1935402	1113776   1113776
_	PIN—Attach Lever Link and Lever	1930648	1113773
_	DIN_Dowel_Shift Lever Shaft	455776	1113772-4-5; 83-4-5
64	PIN—Shift Lever	1857826	1113777-8-9; 80-1-2-9
64	PIN_Shift Lever	1914258	1113772-4-5; 83-4-5
_	PIN—Spring Retainer	1917678	1113772-3-4-5; 83-4-5
<u></u>	PIN—Cotter—Attach Lever Link and Lever PIN—Cotter—Shift Lever	112726	1113773-5 11113772-4-7-8-9; 80-1-2-3-4-5-9
65 66	PIN—Cotter—Shirt LeverPIN—Cotter—Pinion Stop	454490	1113778; 81-2-9
66	PIN_Cotter	137204	1113777-9; 80
	PLATE—Wick Retainer—In Center Bearing	1921662	1113761-2-3-5-6; 78; 81-2
67	PLUG—Expansion—C.E.	103893	All except 1113773
68	PLUG-Pipe-C.E.	125947 273913	All
	PLUG—Pipe—In Center Bearing PLUG—Pipe—In Center Bearing (% Pipe Thrd.)		1113773   1113767-8-9; 71-7-9; 80-7-9
69	PI IIC Pine In Drive Housing	125947	All except 1113776
	RETAINER—Felt—In Center Bearing	1916386	1113772-4-5; 83-4-5
	1 RETAINER—Plunger Spring	1311011	1113772-3-4-5; 83-4-5
	RING-Snan-Wick Retainer	1936649	1113761-2-3-5-6; 70-8; 81-2-7
_	SEAL—Lever Shaft (15 I.D.)	1914373	1113773   1113773
70	SEAL—Lever Shaft (43/4 I.D.)  SEAL—Oil—In Center Bearing	1909498	1113761-2-5-6; 71-7-9
- 10	SEAL—Oil—In Center Bearing	1918047	1113773
	SHAFT—Shift Lever	1914257	1113772-4-5; 83-4-5
71	SHOE-Pole (View notched end face down-Longer		
	lip on right)	1934477	All
	SHOE-Pole (View notched end face down-Longer	1934478	All
79	lip on left)SPRING—Shift Lever		1113777-8-9; 81-2-9
72	SPRING—Shift LeverSPRING—Plunger Return	1917676	1113772-3-4-5; 83-4-5
73	STUD—Field Terminal	1937115	All except 1113775
	STUD—Terminal—C.E.	•	
74	WICK-Oil-C.E	1909560	All
75	WICK—Oil—D.E.	1909654	All except 1113776; 82
75	WICK-Oil-D.E. WICK-Oil-D.E.	1909560 802696	1113782   1113776
_	WICK—Oil—In Center Bearing		1113767-8-9; 71-7-9; 80-7-9
_	WICK-Oil-In Center Bearing	1921663	1113761-2-3-5-6; 70-8; 81-2-7
_	WICK—Oil—In Center Bearing	1916387	1113772-4-5; 83-4-5
	WICK—Oil—In Center Bearing	1936465	1113773
_	WICK-Oil-In Center Bearing	1919851	1113776
		1	

<sup>\*</sup>Terminal Stud C. E. not sold separately.

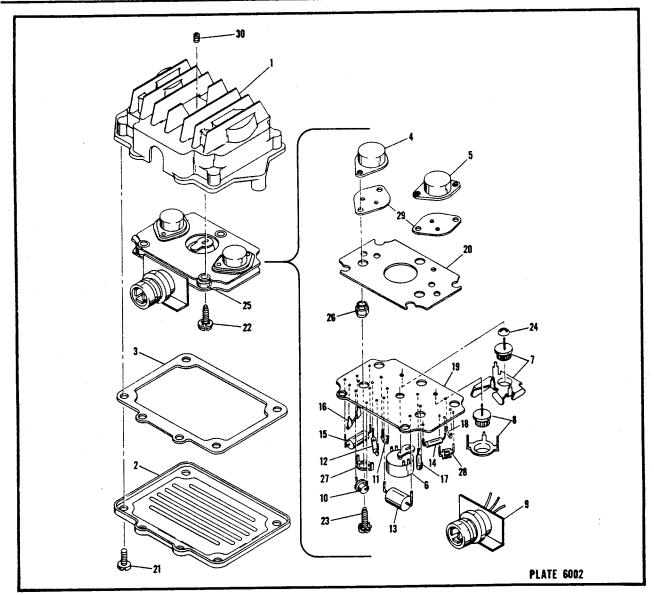


Illustrations are of Typical Parts only. For parts not illustrated or in columns see Minor Parts Section.

Model No.  9000590	Housing  1 1961571  " "	Plate Base Cover 2 1961574 " "	Gasket 3 1962035 4 4	Driver 4 1961479 " "	Transistor Power  5 1961480 1962323 " "	Potentiometer  6  1961562 1962364  ""	Heat Sink Back Bias 7 1962585 " "	Field Discharge 8 1961952 "		1956486
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# Delco-Remy

SERVICE PARTS CATALOG

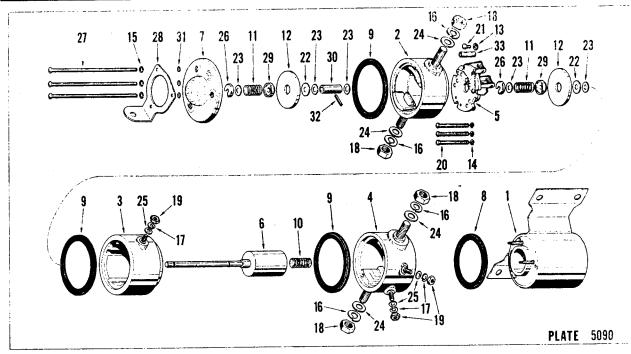


Illustrations are of Typical Parts only. For parts not illustrated or in columns see Minor Parts Section.

]	Model No.	Diode Zener	Capacitor	Capacitor	Resistor	Resistor	Resistor	Resistor	Lead 18	Circuit Printed	Plate Heat Dissipating
900059 900059 900059	1	1956197	1961559 1962674 "	1961560	1961553 1962362 1962398 1962402	1961554 1962363 1962399 1962403	1961556	1963143	1961561	1961550	1961568

#### RESISTOR CHART

	1022010101	V	
PART No. 1961553		1962398	VALUE IN OHMS
1961554	50	1962399	300
1961556	30		220 325
1962362 1962363	185	1963143	62



Illustrations are of Typical Parts only. For Parts not illustrated or in columns see Minor Parts Section.

Model No.	Case & Coil	Cap Assem. Cover End	Cap Assein. Center	Cap Assem. Coil End	Contact Plate Assem.	Plunger	Cover — End	Gasket Cap & Coil Case	Gasket — Cap	Spring — Plunger	Spring — Contact	Disc Contact
	1	2	3	4	5	6	7	8	9	10	11	12
1119844 1119845	1949721	1949730 1949733		1949731	1949673 1949715			1904966	1904967	1947577	1948867	1907617

# MINOR PARTS SECTION

	WIII OR I MICE	0201	
Illus. No.	Name	Part No.	Used on Models
13 14 15 16 17	LOCK WASHERS  Lock Washer—Contact Terminal Screw  Lock Washer—Contact Assem. Attaching Screw  Lock Washer—Thru Bolt  Lock Washer—3 <sub>8</sub> -16 Terminals  Lock Washer—#19-32 Terminals	131182 120381	1119844-5 1119844-5 111:844 1119844-5 1119844-5
18 19	NUTS   Mat = -3, -16 Terminals   Nut = = 10-32 Terminals	134566 120614	1119844-5 1119844-5
20 21	SCREWS Screw—Contact Assembly Attaching Screw—Contact Terminal	1949656 435814	1119844-5 1119844-5
22 23 24 25 26	WASHERS  Washer—Insul.—Contact Disc  Washer—Plain—Contact Disc Spring Spacer  Washer—Plain—38-16 Terminals  Washer—Plain—: 10-32 Terminals  Washer—Slotted—Contact Disc Spring Retaining	812622 813767	1119844-5 1119844-5 1119844-5 1119844-5 1119844-5
27 27 28 29 30 31 32 	MISCELLANEOUS BOLT—Thru BOLT—Thru BRACKET—Cover End BUSHING—Contact Disc Spring Retaining COLLAR—Spacing—Contact Disc "O" RING—Thru Bolt Seal PIN—Contact Disc Space Collar Attaching RING—Snap—Contact Disc SPACER—Contact Assembly Attach, Screw	1949674 1949717 1915669 1954619 1918621 455478 1915411	1119844 1119845 1319844 1119844-5 1111-844 1119844-5 1119844 111:845 1119844

SERVICE PARTS CATALOG

### MINOR PARTS SECTION

llus. No.	Name	Part No.	Used on Models
_	LOCK WASHERS Lockwasher—Terminal Screw	9421423	1119513-16
12 12 18 14 15	SCREWS Screw—Adjusting Screw—Adjusting Screw—Contact Support Attaching Screw—Cover Attaching Screw—Terminal Screw—Terminal	1944590 1958148 1943854 1943386 454669 1914800	1119500-2-5-8 1119506-7; 11-12-13-14-15-16-18 1119500-2-5-8 All - 1119515-16 1119500-2-5-8
_	MISCELLANEOUS Shock Bracket Package	1962629 1966808	1119513-16-17 1119519