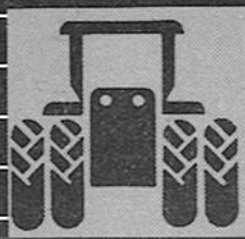
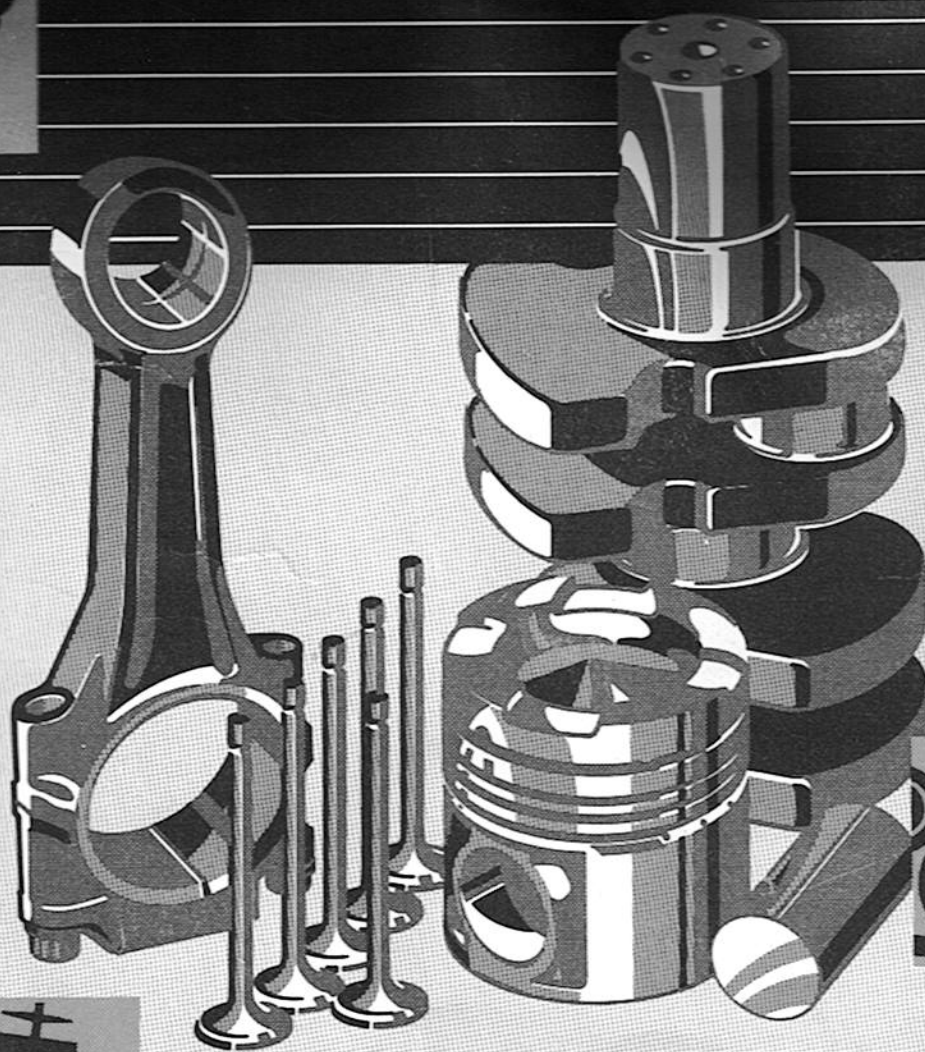
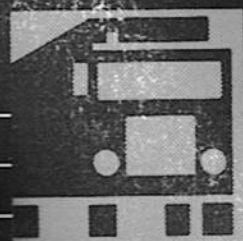




Parts Catalog

KTA19-G4

Generator Drive





Parts Catalog

KTA19-G4

Generator Drive

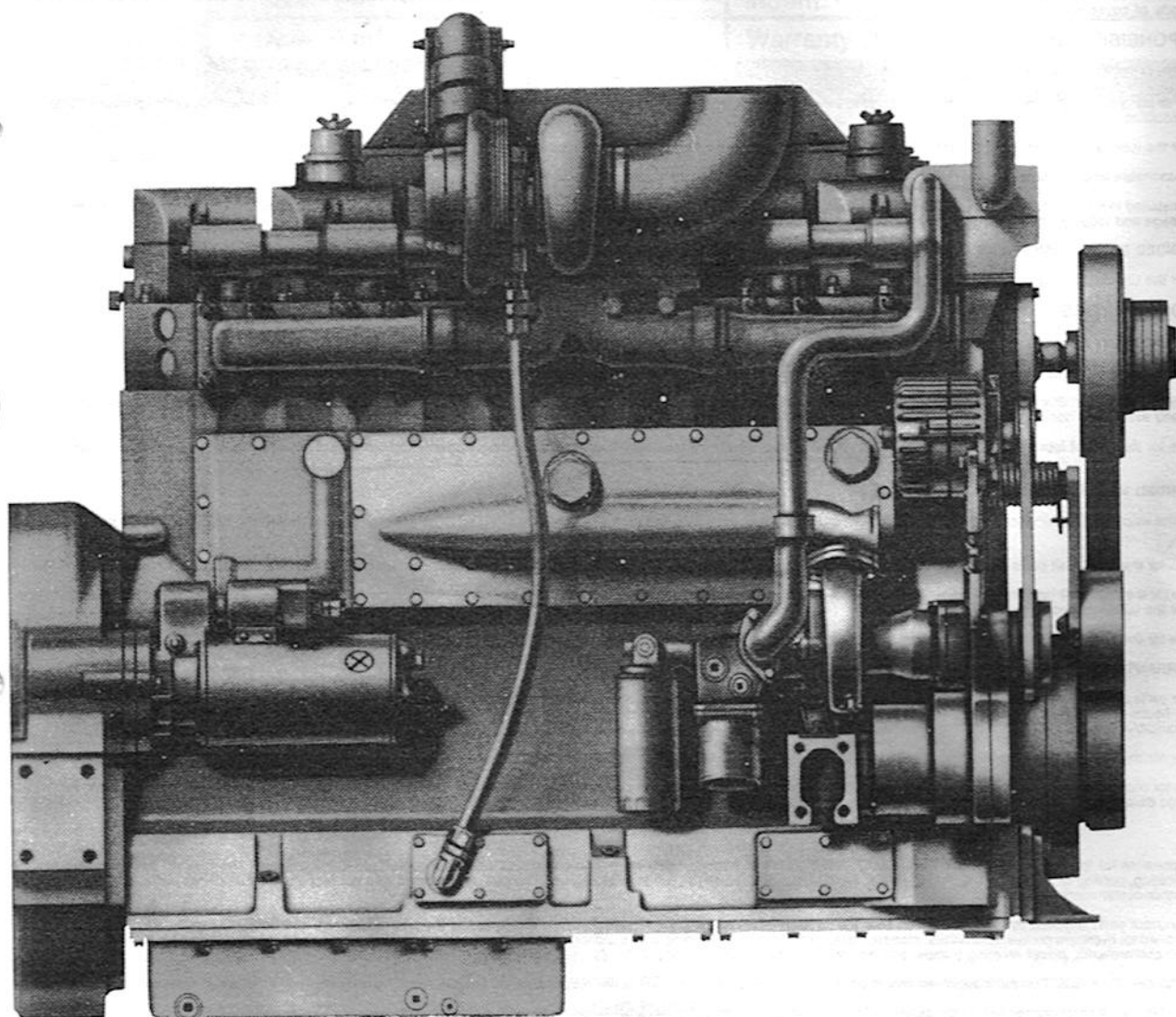
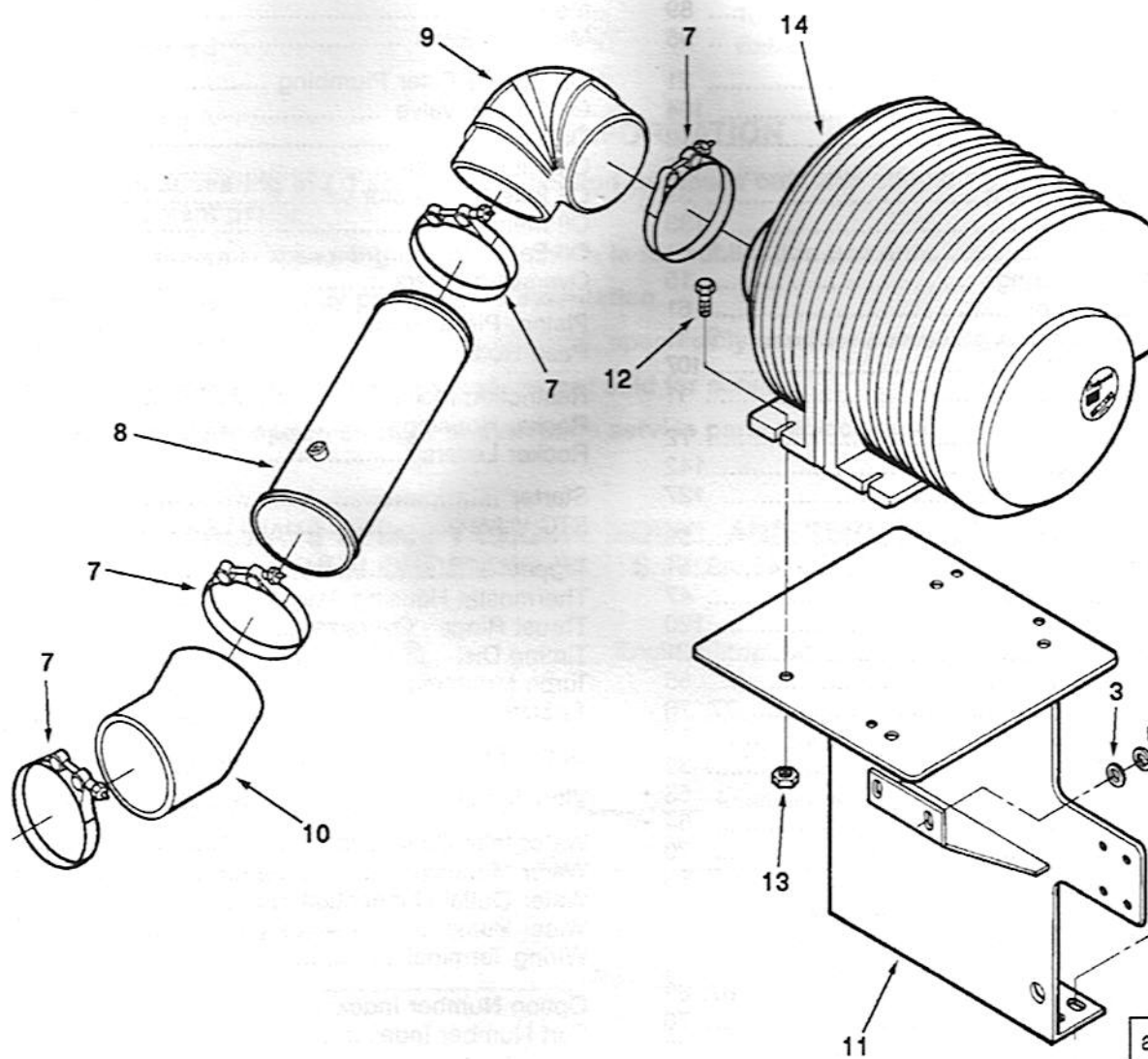
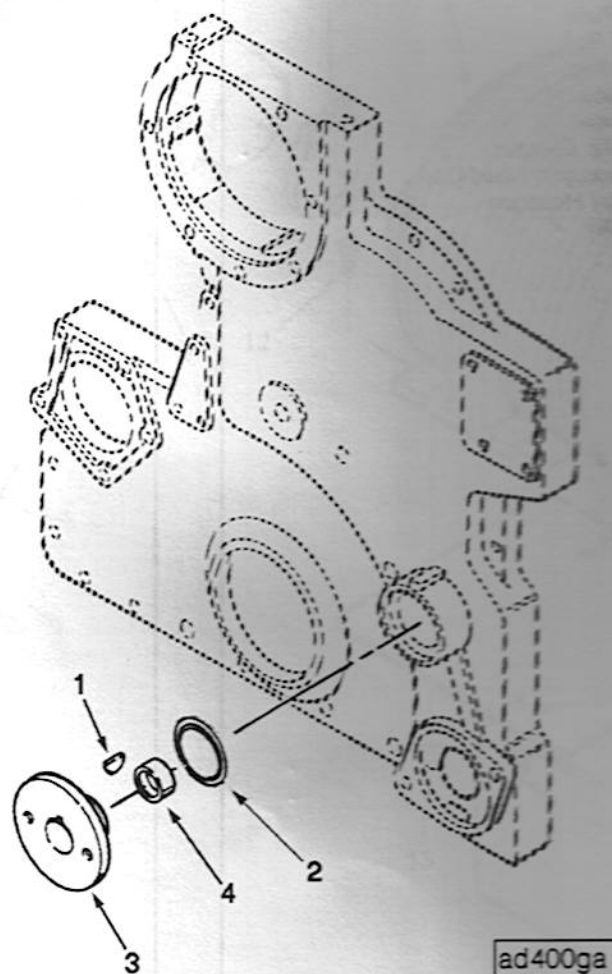


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Ref No.	Part Number	Part Name	Req	Remarks
		AIR CLEANER OPTION AC4039		Normal duty engine mounted air cleaner for use in clean environments. Fleetguard disposable type. Appropriate for indoor and outdoor use. For SAE no. '0' flywheel housing on KTA19 engines.
1	S-109	Screw, Hexagon Head Cap	4	3/8 - 16 x 7/8 inch
2	S-145	Screw, Hexagon Head Cap	2	1/2 - 13 x 1 1/4 inches
3	S-602	Washer, Plain	2	
4	S-604	Washer, Lock	2	
5	S-608	Washer, Lock	4	
6	S-670	Washer, Plain	4	
7	140313	Clamp, T Bolt	4	
8	3000302	Tube, Air Inlet	1	
9	3030772	Hose, Elbow	1	
10	3030782	Hose, Elbow	1	
11	3062425	Bracket, Air Cleaner	1	
12	S-104	Screw, Hexagon Head Cap	4	
13	S-223	Nut, Heavy Hexagon	4	3/8 - 16
14	3315742	Cleaner, Air	1	

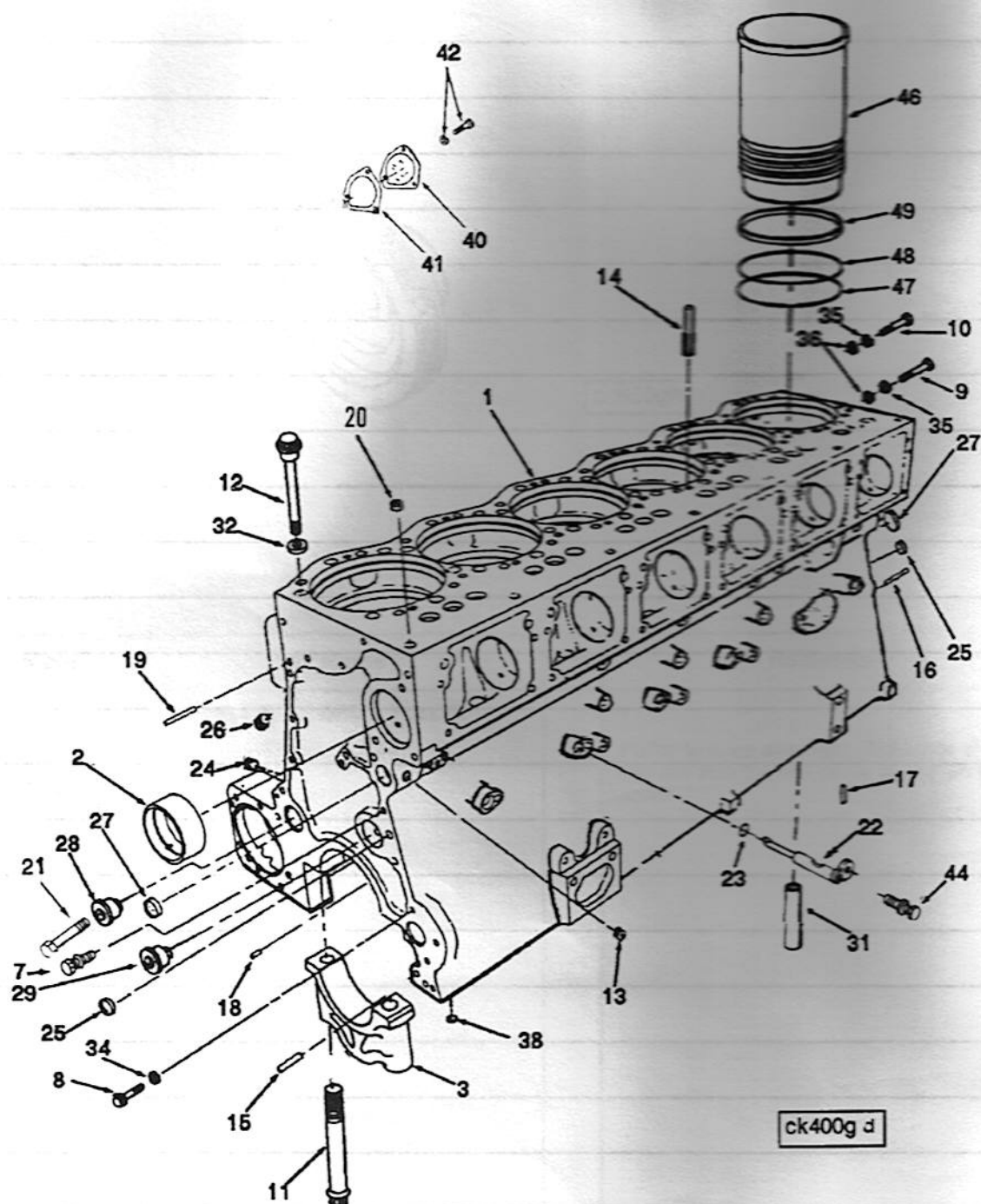


Ref No.	Part Number	Part Name	Req	Remarks
		TIMING DISK		
		OPTION AD4006		Timing disk. Left side of engine.
1	S-316	Key, Plain Woodruff	1	
2	3200287	Seal, Keyway	1	
	3007111	Hub, Timing	1	
3	(3007201)	Hub, Timing	1	
4	190397	Sleeve, Wear	1	

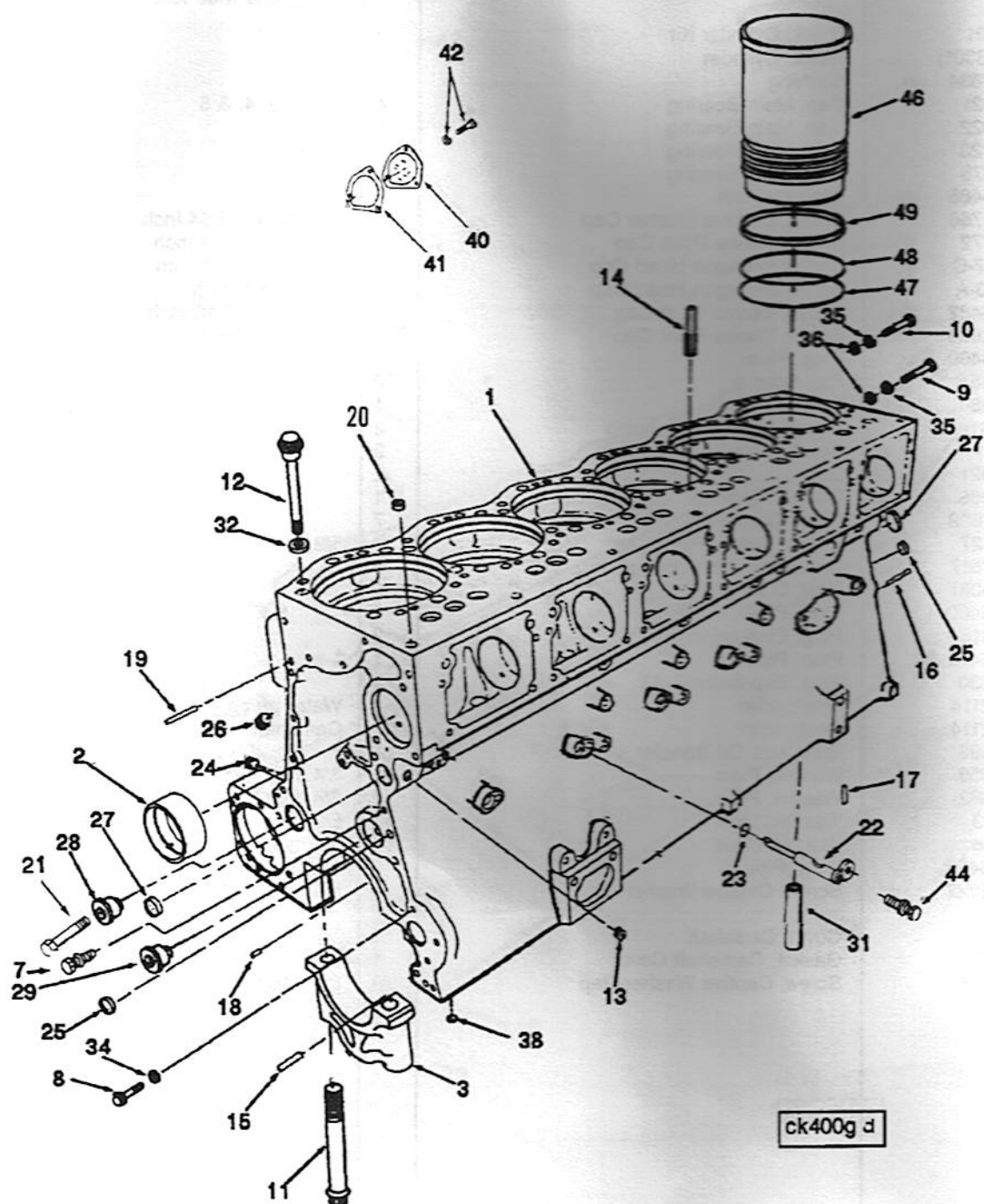


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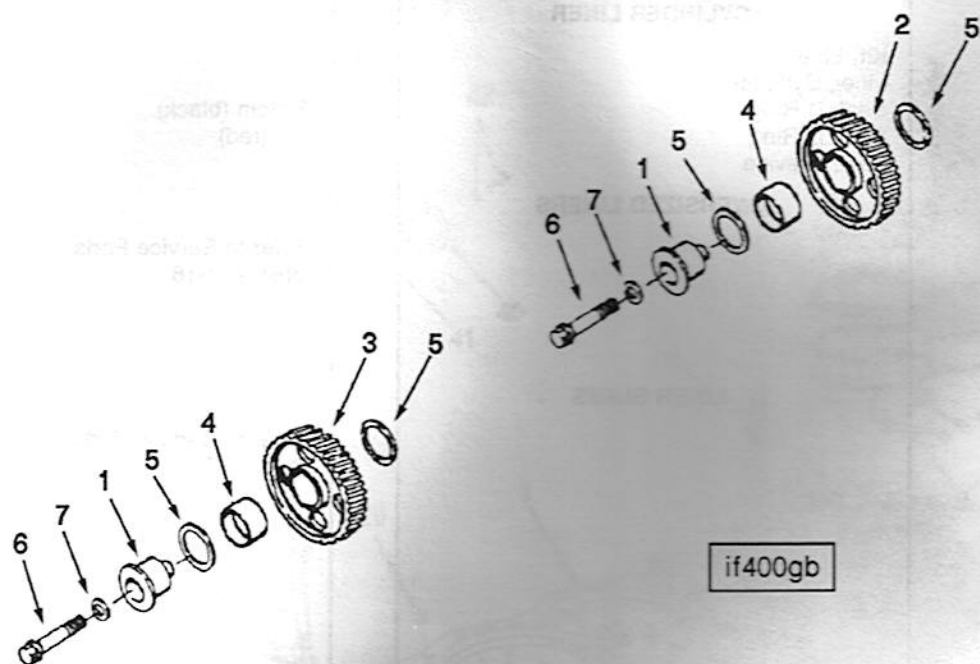
Ref No.	Part Number	Part Name	Req	Remarks
1	3002331	ACCESSORY DRIVE PULLEY OPTION AD4007 Pulley, Alternator	1	Pulley to drive alternator. Right side of engine For use with the one piece aluminum gear cover.



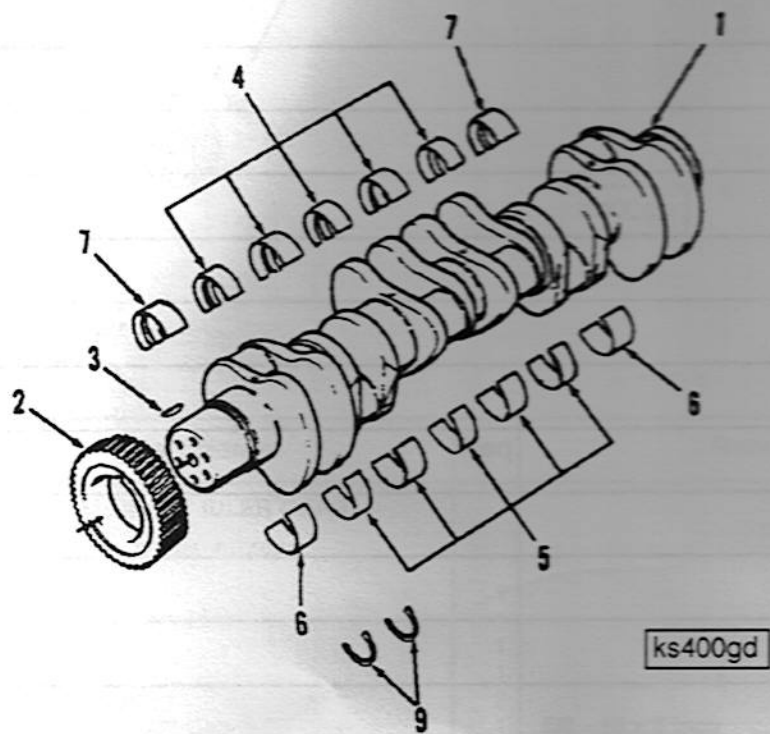
Ref No.	Part Number	Part Name	Req	Remarks
		CYLINDER BLOCK		
		OPTION BP4026		
				Base parts for the KTA-19 engine without rear gear train. Includes Hydro-Mechanical STC timing and wide roller injector lobe followers.
	3811921	Block, Cylinder Kit	1	
1	(3088301)	Block, Cylinder	1	
2	3002834	Bushing	7	
3	205021	Cap, Main Bearing	4	No. 2, 3, 4, & 5
3	205022	Cap, Main Bearing	1	No. 1
3	205023	Cap, Main Bearing	1	No. 6
3	205075	Cap, Main Bearing	1	No. 7
4	3025485	Washer, Plain	14	
7	3014766	Screw, Captive Washer Cap	9	3/8 - 16 x 1 3/64 inch
8	191772	Screw, Twelve Point Cap	2	3/8 - 16 x 1 1/4 inch
9	S-127-C	Screw, Hexagon Head Cap	10	5/8 - 11 x 1 3/4 inch
10	S-103-A	Screw, Hexagon Head Cap	2	5/8 - 11 x 2 inch
11	3025482	Screw, Twelve Point Cap	14	1 - 14 x 7 13/16 inch
12	3032633	Screw, Twelve Point Cap	36	3/4 - 16 x 8 inch
13	3025460	Plug, Pipe	1	1/8 inch
14	68445	Pin, Groove	12	
15	60408-L	Dowel, Pin	1	
16	9226	Dowel, Flywheel Housing	2	
17	67211	Dowel, Rear Main Bearing	2	
18	124921	Dowel	2	
19	205366	Dowel, Diamond	1	
20	3007632	Plug, Expansion	7	
21	207527	Screw, Twelve Point Cap	3	5/8 - 18 x 3 inch
22	3007517	Nozzle, Piston Cooling	6	
23	3015067	Seal, O Ring	6	
24	3025460	Plug, Pipe	1	
25	147416	Plug, Expansion	2	
26	3008470	Plug, Pipe	1	1 inch
27	175830	Plug, Expansion	2	
28	3202114	Shaft, Idler	1	Water pump
29	3202114	Shaft, Idler	1	Camshaft
31	205298	Tube, Lub Oil Transfer	1	
32	205059	Washer, Plain	36	3/4 inch
34	127362	Washer, Plain	2	3/8 inch
35	S-603	Washer, Lock	12	5/8 inch
36	S-658	Washer, Plain	12	5/8 inch
38	3008465	Plug, Pipe	8	1/8 inch
44	3033822	Screw, Captive Washer Cap	6	5/16 - 24 x 3/4 inch
40	207373	Cover, Camshaft	1	
41	3040722	Gasket, Camshaft Cover	1	
42	3014766	Screw, Captive Washer Cap	3	3/8 - 16 x 1 inch



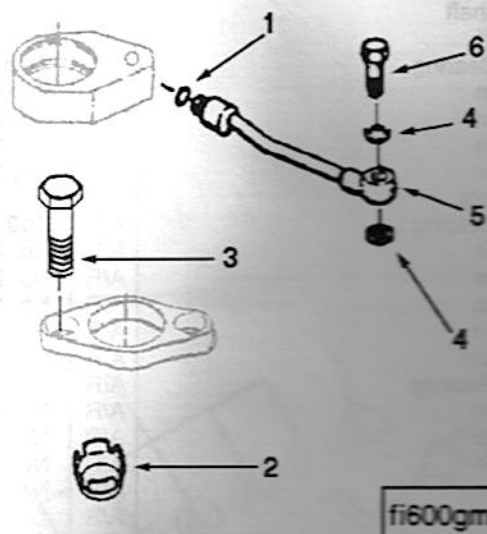
Ref No.	Part Number	Part Name	Req	Remarks
		CYLINDER BLOCK		
		OPTION BP4026		
		CYLINDER LINER		
46	3028434	Kit, Liner	6	
	(3202240)	Liner, Cylinder	1	
47	3014668	Seal, D Ring	1	Bottom (black)
48	3011076	Seal, D Ring	1	Top (red)
49	205115	Seal, Crevice	1	
		OVERSIZED LINERS		
				Refer to Service Parts topic 92t1-18
		LINER SHIMS		
				Refer to Service Parts Topic 92T1-18



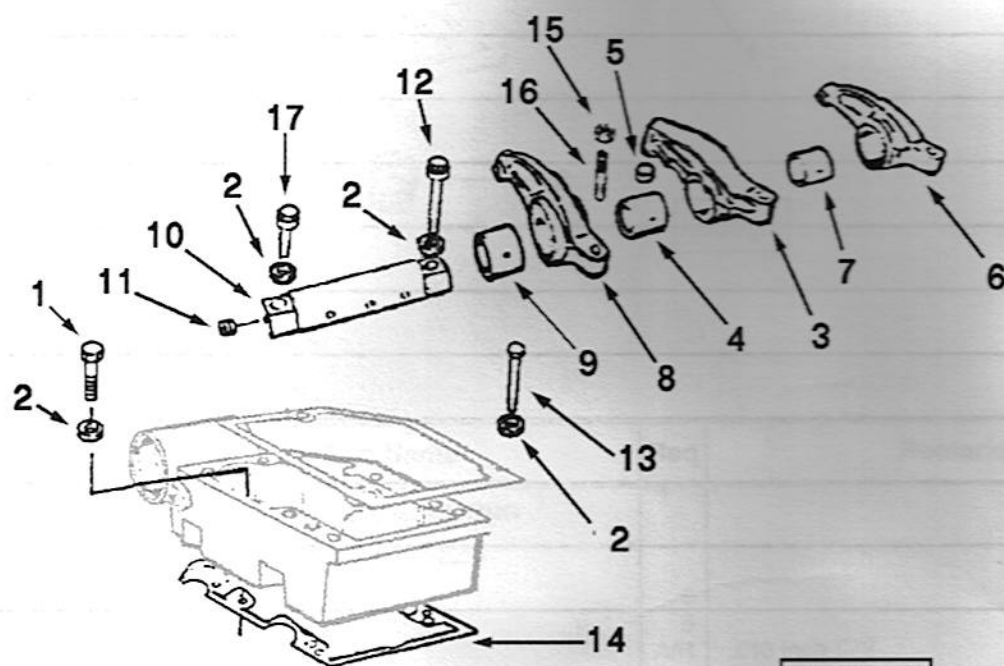
Ref No.	Part Number	Part Name	Req	Remarks
CAMSHAFT IDLER GEAR				
OPTION BP4026				
1	3202114	Shaft, Idler	1	
	3004684	Gear, Bushing Cam Idler	1	
2	(3004599)	Gear, Idler	1	
4	3004686	Bushing	1	
5	130083	Bearing, Thrust	2	
6	207527	Screw, Twelve Point Cap	1	5/8 - 18 x 3 inch
7	3200772	Washer, Plain	1	
WATER PUMP IDLER				
OPTION BP4026				
1	3202114	Shaft, Idler	1	
	3004685	Gear, Bushing Wtr Pump Id	1	
3	(3004680)	Gear, Idler	1	
4	3004686	Bushing	1	
5	130083	Bearing, Thrust	2	
6	207527	Screw, Twelve Point Cap	1	5/8 - 18 x 3 inch
7	3200772	Washer, Plain	1	



Ref No.	Part Number	Part Name	Req	Remarks
		CRANKSHAFT & MAIN BEARINGS		
		OPTION BP4026		
	3005357	Crankshaft	1	
1	3201082	Crankshaft, Engine	1	
2	207259	Gear, Crankshaft	1	
3	206904	Key, Woodruff	1	
	AR12270	Shell, Main Bearing	1	Standard
4	205140	Bearing, Main	5	No. 2, 3, 4, 5, & 6 - Upper
5	205150	Bearing, Main	5	No. 2, 3, 4, 5, & 6 - Lower
6	205160	Bearing, Main	2	No. 1 & 7 - Lower
7	205170	Bearing, Main	2	No. 1 & 7 - Upper
9	205112	Bearing, Thrust	4	
	AR12271	Shell, Main Bearing	A/R	.010 Inch Oversize
4	205141	Bearing, Main	A/R	No. 2, 3, 4, 5, & 6 - Upper
5	205151	Bearing, Main	A/R	No. 2, 3, 4, 5, & 6 - Lower
6	205161	Bearing, Main	A/R	No. 1 & 7 - Lower
7	205171	Bearing, Main	A/R	No. 1 & 7 - Upper
9	205112	Bearing, Thrust	A/R	
	AR12272	Shell, Main Bearing	A/R	.020 Inch Oversize
4	205142	Bearing, Main	A/R	No. 2, 3, 4, 5, & 6 - Upper
5	205152	Bearing, Main	A/R	No. 2, 3, 4, 5, & 6 - Lower
6	205162	Bearing, Main	A/R	No. 1 & 7 - Lower
7	205172	Bearing, Main	A/R	No. 1 & 7 - Upper
9	205112	Bearing, Thrust	A/R	
	AR12273	Shell, Main Bearing	A/R	.030 Inch Oversize
4	205143	Bearing, Main	A/R	No. 2, 3, 4, 5, & 6 - Upper
5	205153	Bearing, Main	A/R	No. 2, 3, 4, 5, & 6 - Lower
6	205163	Bearing, Main	A/R	No. 1 & 7 - Lower
7	205173	Bearing, Main	A/R	No. 1 & 7 - Upper
9	205112	Bearing, Thrust	A/R	
		THRUST RINGS - OVERSIZE		
9	3001196	Bearing, Thrust	A/R	.010 Inch Oversize
9	3001197	Bearing, Thrust	A/R	.020 Inch Oversize

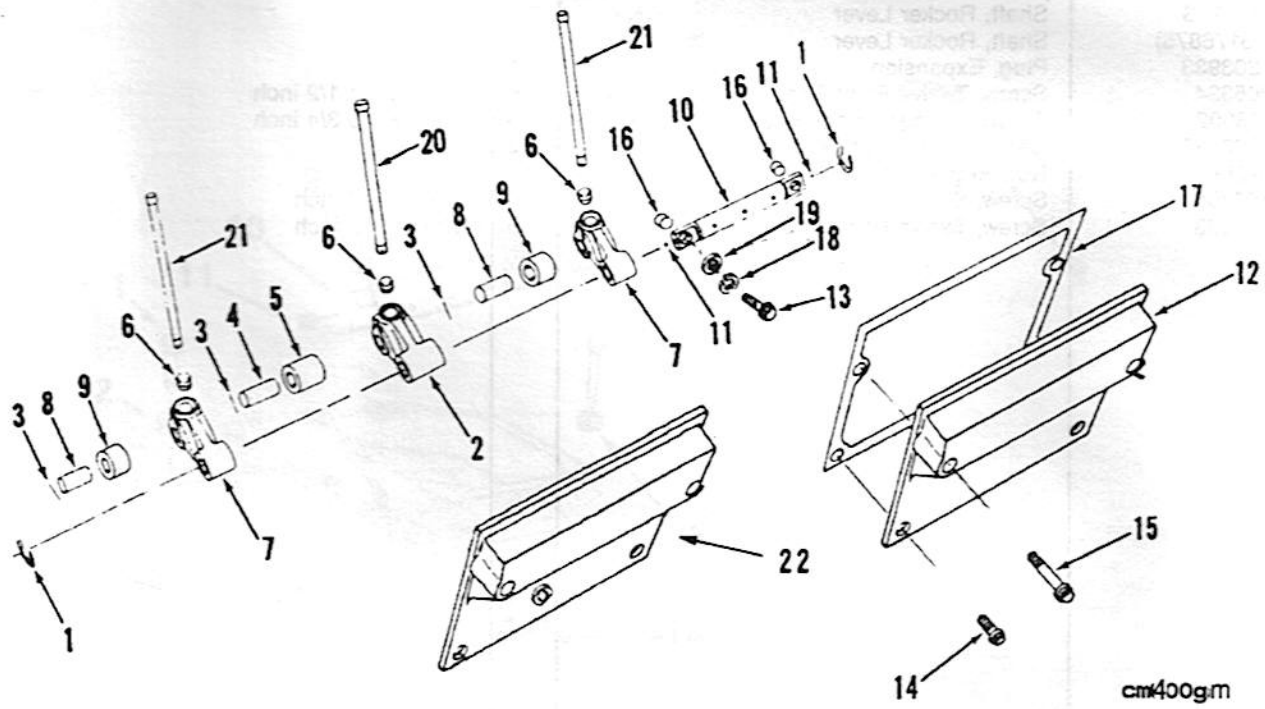


Ref No.	Part Number	Part Name	Req	Remarks
		INJECTOR MOUNTING		
		OPTION BP4026		
1	131026	Seal, O Ring	6	
2	207244	Seal, Injector	6	
	3001658	Seal, Injector	A/R	.010 Inch O/S
	3001659	Seal, Injector	A/R	.020 Inch O/S
	3001660	Seal, Injector	A/R	.030 Inch O/S
3	3070962	Screw, Hexagon Head Cap	12	
4	3023095	Washer, Sealing	12	
5	3627044	Connection, Oil Transfer	6	
6	3179021	Screw, Banjo Connector	6	

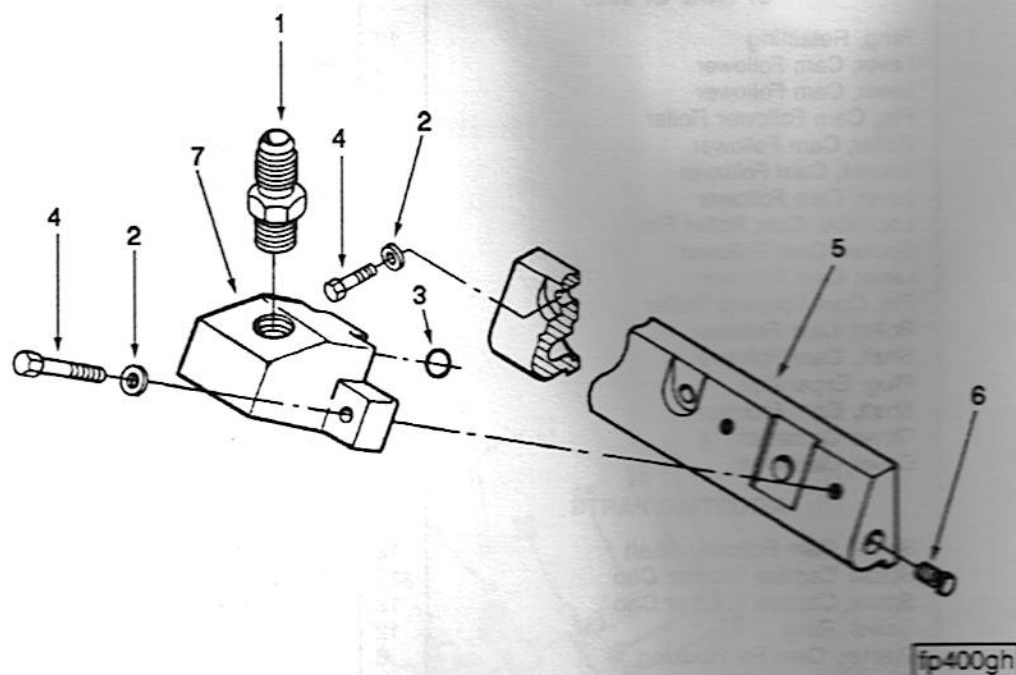


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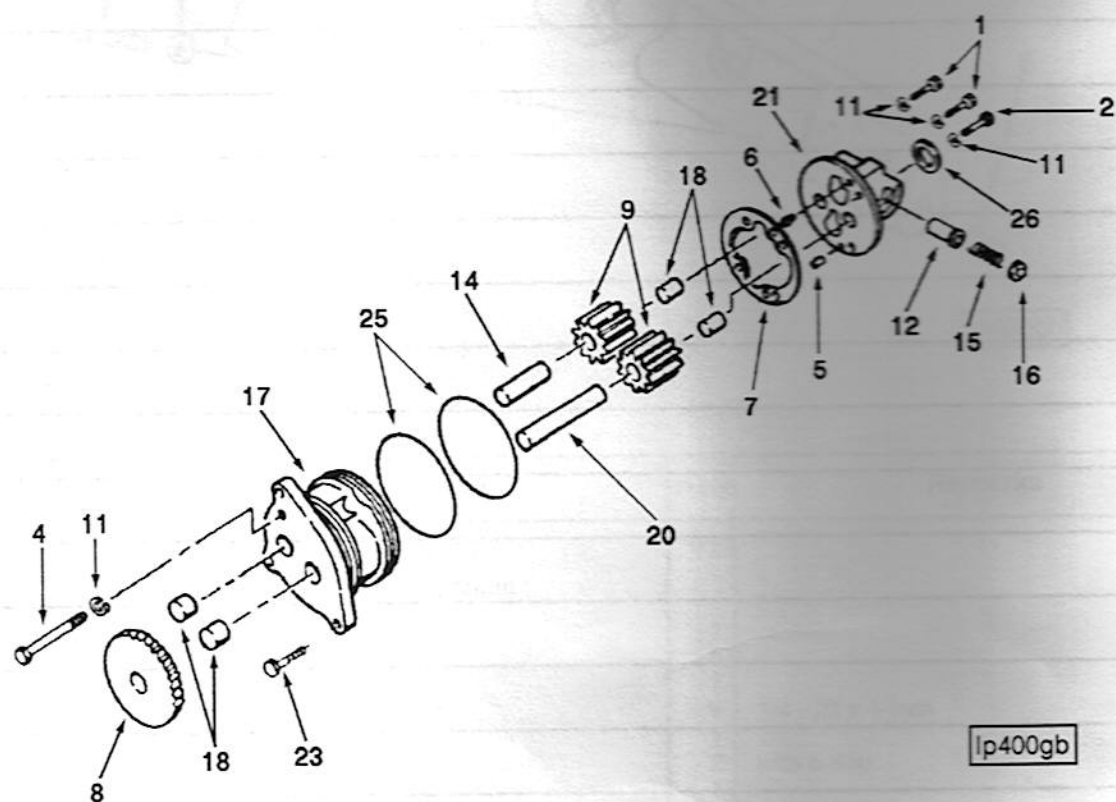
Ref No.	Part Number	Part Name	Req	Remarks
		ROCKER LEVERS		
		OPTION BP4026		
1	S-125	Screw, Hexagon Head Cap	6	1/2 - 13 x 2 inch
2	205128	Washer, Plain	48	
	3053478	Lever, Rocker	6	
3	(3049437)	Lever, Rocker	1	
4	207226	Bushing	1	
5	194037	Socket, Rocker Lever	1	
	3053476	Lever, Rocker	6	
6	(3049438)	Lever, Rocker	1	
7	207344	Bushing	1	
	208084	Rivet	1	
	3053477	Lever, Rocker	6	
8	(3049432)	Lever, Rocker	1	
9	207344	Bushing	1	
	208084	Rivet	1	
	3176773	Shaft, Rocker Lever	6	
10	(3176875)	Shaft, Rocker Lever	1	
11	203933	Plug, Expansion	1	
12	205394	Screw, Twelve Point Cap	6	1/2 - 13 x 4 1/2 inch
13	108602	Screw, Hexagon Head Cap	30	1/2 - 13 x 3 3/4 inch
14	3628330	Gasket, Rkr Lever Housing	6	
15	S-212	Nut, Regular Hexagon	18	
16	168306	Screw, Slotted Set	18	1/2 - 20 x 2 inch
17	205393	Screw, Twelve Point Cap	6	1/2 - 13 x 2 inch



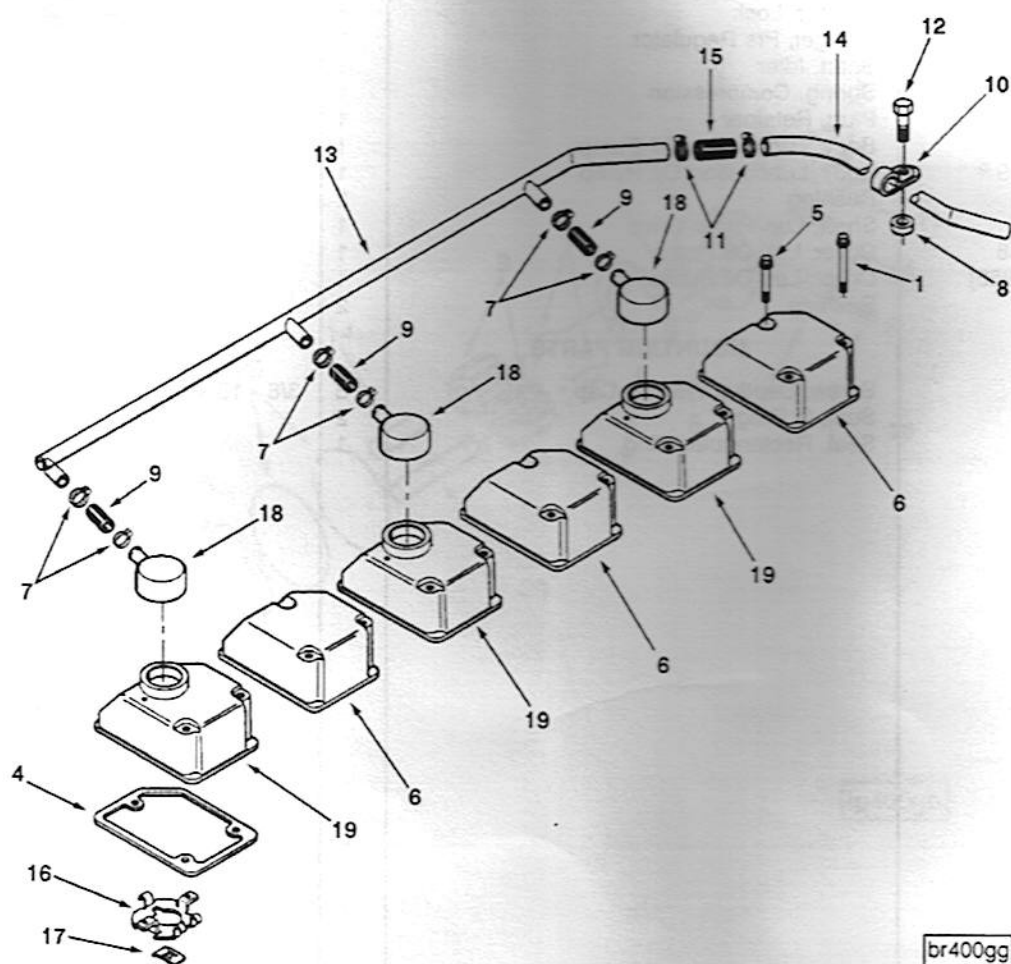
Ref No.	Part Number	Part Name	Req	Remarks
		CAM FOLLOWER OPTION BP4026		
1	205439	Ring, Retaining	12	
	3081413	Lever, Cam Follower	6	Injector
2	(3081411)	Lever, Cam Follower	1	
4	3081412	Pin, Cam Follower Roller	1	
5	3062141	Roller, Cam Follower	1	
6	213559	Socket, Cam Follower	1	
	3039164	Lever, Cam Follower	12	Valve
3	205438	Lockwire, Cam Roller Pin	1	
6	213559	Socket, Cam Follower	1	
7	(205069)	Lever, Cam Follower	1	
8	205071	Pin, Cam Follower Roller	1	
9	3016826	Roller, Cam Follower	1	
10	3078218	Shaft, Cam Follower	6	
	205227	Plug, Expansion	2	
	3077538	Shaft, Cam Follower	1	
12	3628755	Cover, Camshaft	3	Plain
22	3628756	Cover, Camshaft	1	
		MOUNTING PARTS		
13	3002886	Screw, Cam Follower Shaft	12	3/8 - 16 x 1.3 inch, special
14	3040838	Screw, Captive Washer Cap	12	3/8 - 16 x 1 inch
15	3040837	Screw, Captive Washer Cap	12	3/8 - 16 x 2 1/2 inch
16	3002993	Dowel, Ring	12	
17	3040721	Gasket, Cam Fol Housing	6	
18	S-604	Washer, Lock	24	
19	127362	Washer, Plain	36	
		PUSH RODS		
20	3017961	Rod, Push	6	Injector
21	3057139	Rod, Push	12	Valve



Ref No.	Part Number	Part Name	Req	Remarks
		OIL MANIFOLD OPTION BP4026		
1	3627693	Union, Male	1	
2	127018	Washer, Plain	8	
3	3001340	Seal, O Ring	7	
4	3001811	Screw, Twelve Point Cap	8	1/4 - 20 x 1 inch
5	3084620	Manifold, Oil	1	
6	3023217	Plug, Threaded	2	with o-ring
7	3037657	Connection, Oil Supply	1	

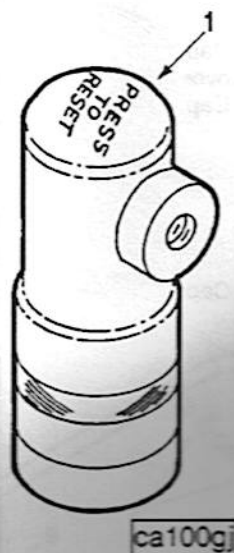


Ref No.	Part Number	Part Name	Req	Remarks
		LUBRICATING OIL PUMP		
		OPTION BP4026		
	3047549	Pump, Lubricating Oil	1	
1	S-126	Screw, Hexagon Head Cap	2	3/8 - 16 x 2 1/2 inch
2	S-141	Screw, Hexagon Head Cap	1	3/8 - 16 x 2 3/4 inch
4	S-199-A	Screw, Hexagon Head Cap	1	3/8 - 16 x 4 inch
5	70760	Dowel, Pin	1	
6	107948	Dowel, Diamond	1	
7	205061	Gasket, Lub Oil Pump	1	
8	207252	Gear, Lubricating Oil Pump	1	
9	3049543	Gear, Lubricating Oil Pump	2	
11	S-604	Washer, Lock	4	
12	205080	Plunger, Prs Regulator	1	
14	205052	Shaft, Idler	1	
15	3062415	Spring, Compression	1	
16	3200934	Plug, Retainer	1	
17	205057	Body, Lubricating Oil Pump	1	
	205049	Body, Lubricating Oil Pump	1	
18	69521	Bushing	2	
20	205065	Shaft, Lub Pump Drive	1	
21	3047548	Cover, Lub Oil Pump	1	
	(3009955)	Cover, Lub Oil Pump	1	
18	69521	Bushing	2	
		MOUNTING PARTS		
23	3010596	Screw, Captive Washer Cap	3	3/8 - 16 x 1 1/4 inch
25	205898	Seal, O Ring	2	
26	207135	Seal, Rectangular Ring	1	

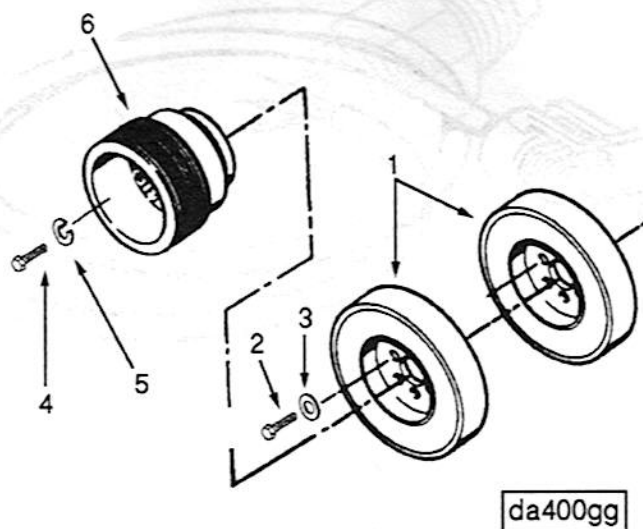


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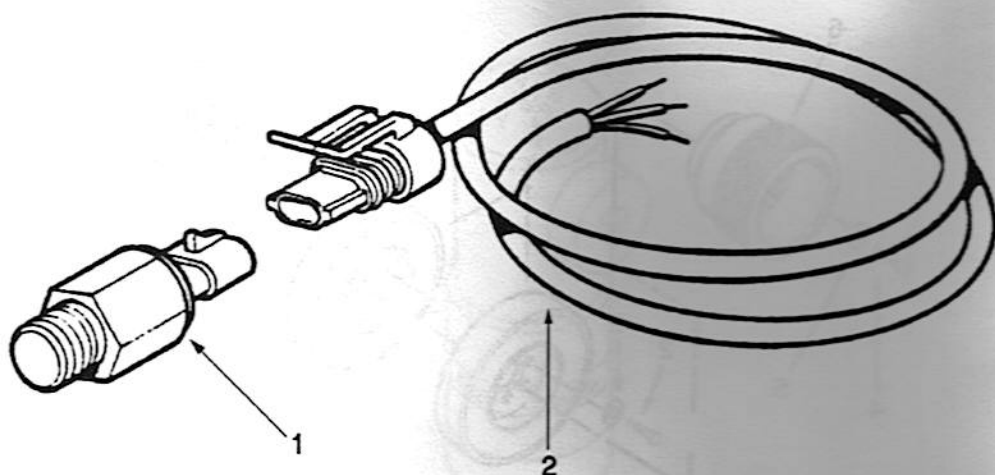
Ref No.	Part Number	Part Name	Req	Remarks
		BREATHER LOCATION OPTION BR4027		Crankcase breathers mounted on #1, #3 and #5 valve covers. Includes tube for venting engine to a point below the pan ledge on right side rear of engine.
1	3065950	Screw, Captive Washer Cap	12	3/8 - 16 x 4 1/2 inch
4	3629140	Gasket, Rocker Lever Cover	6	
5	3044413	Screw, Captive Washer Cap	6	3/8 - 16 x 2 inch
6	3010247	Cover, Valve	3	
7	43828	Clamp, Hose	6	
8	64709	Spacer, Mounting	2	
9	64775	Hose, Plain	3	
10	67949	Clip	2	
11	209773	Clamp, Hose	2	
12	3012475	Screw, Captive Washer Cap	2	
13	3046834	Tube, Breather	1	
14	3046838	Tube, Breather	1	
15	3200316	Hose, Plain	1	
16	219065	Baffle, Breather	3	
17	3000528	Nut, Spring	6	3/16
	3046853	Cover, Rocker Lever	3	
18	3008595	Breather, Crankcase	3	
19	3010396	Cover, Rocker Lever	3	



Ref No.	Part Number	Part Name	Req	Remarks
1	178957	RESTRICTION INDICATOR OPTION CA8007 Indicator Air Restrict	1	Single air cleaner restriction service indicator set at 25 inches of water. Supplied in the kit for use with customer furnished air intake systems.

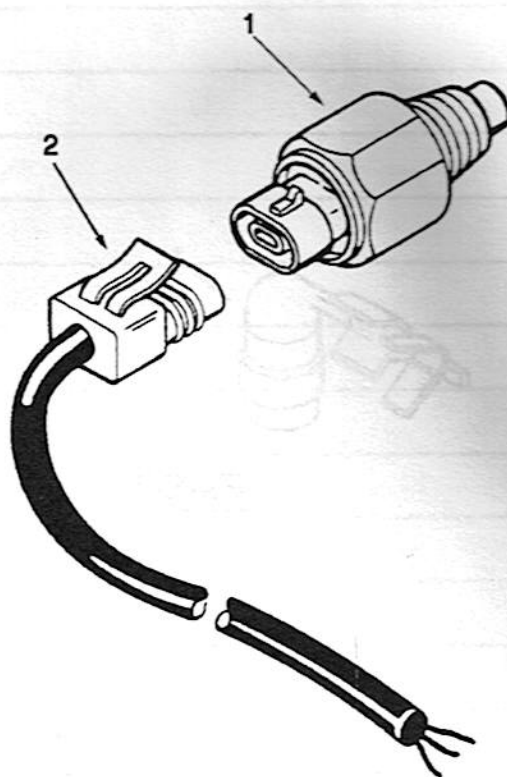


Ref No.	Part Number	Part Name	Req	Remarks
		VIBRATION DAMPER OPTION DA4018		
1	217322	Damper, Vibration	2	Viscous type damper and crank pulley for driving fan with poly-vee belt. Power take off adapter incorporated into crank pulley.
2	206929	Capscrew, Twelve Point	6	
3	205059	Washer, Plain	6	
4	206881	Capscrew, Twelve Point	6	
5	S-608	Washer, Lock	6	
6	3003696	Pulley, Crankshaft	1	



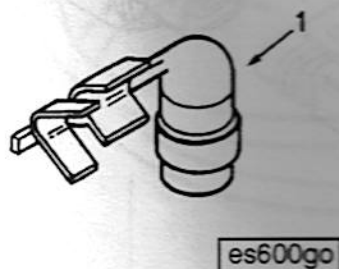
ec400go

Ref No.	Part Number	Part Name	Req	Remarks
		LOW OIL PRESSURE SWITCH OPTION EC8274		
1	3056344	Switch, Pressure	1	Low lub oil pressure switch. Switch shuts engine down on decreasing pressure at PSI (< + or -2PSI) 83 KPA (+ or - 14 KPa) fungus and corrosion resistant. Cannot be used with Cummins supplied engine wiring harness. Supplied mounted.
2	3056356	Harness, Wiring	1	

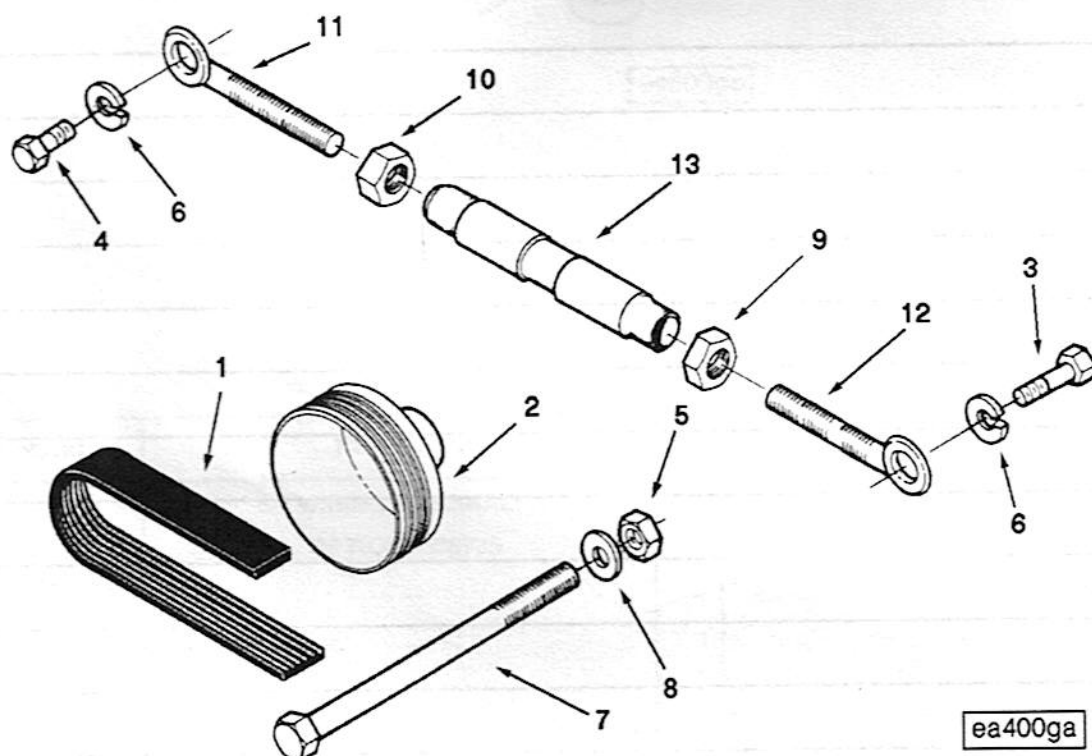


ec400gx

Ref No.	Part Number	Part Name	Req	Remarks
		COOLANT TEMPERATURE SWITCH OPTION EC8276		
1	3056353	Switch, Temperature	1	High coolant temperature switch shuts engine down on increasing temperature at 223 (+ or -3 degrees F) 106 degrees C (+ or -2 degrees C) fungus and corrosion resistant. Cannot be used with Cummins supplied engine wiring harness. Replaces EC8250.
2	3056356	Harness, Wiring	1	

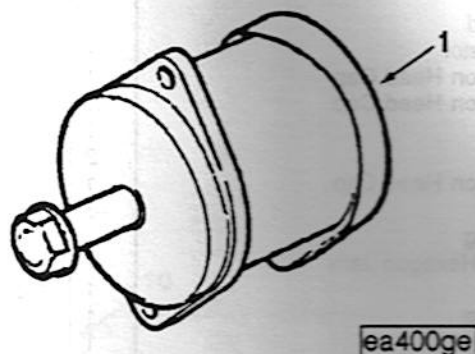


Ref No.	Part Number	Part Name	Req	Remarks
1	3068137	WIRING TERMINAL OPTION EC8735 Harness, Wiring	1	Terminals that mate to EFC actuator. For use with customer supplied wiring only. Not for use with Cummins supplied wiring.

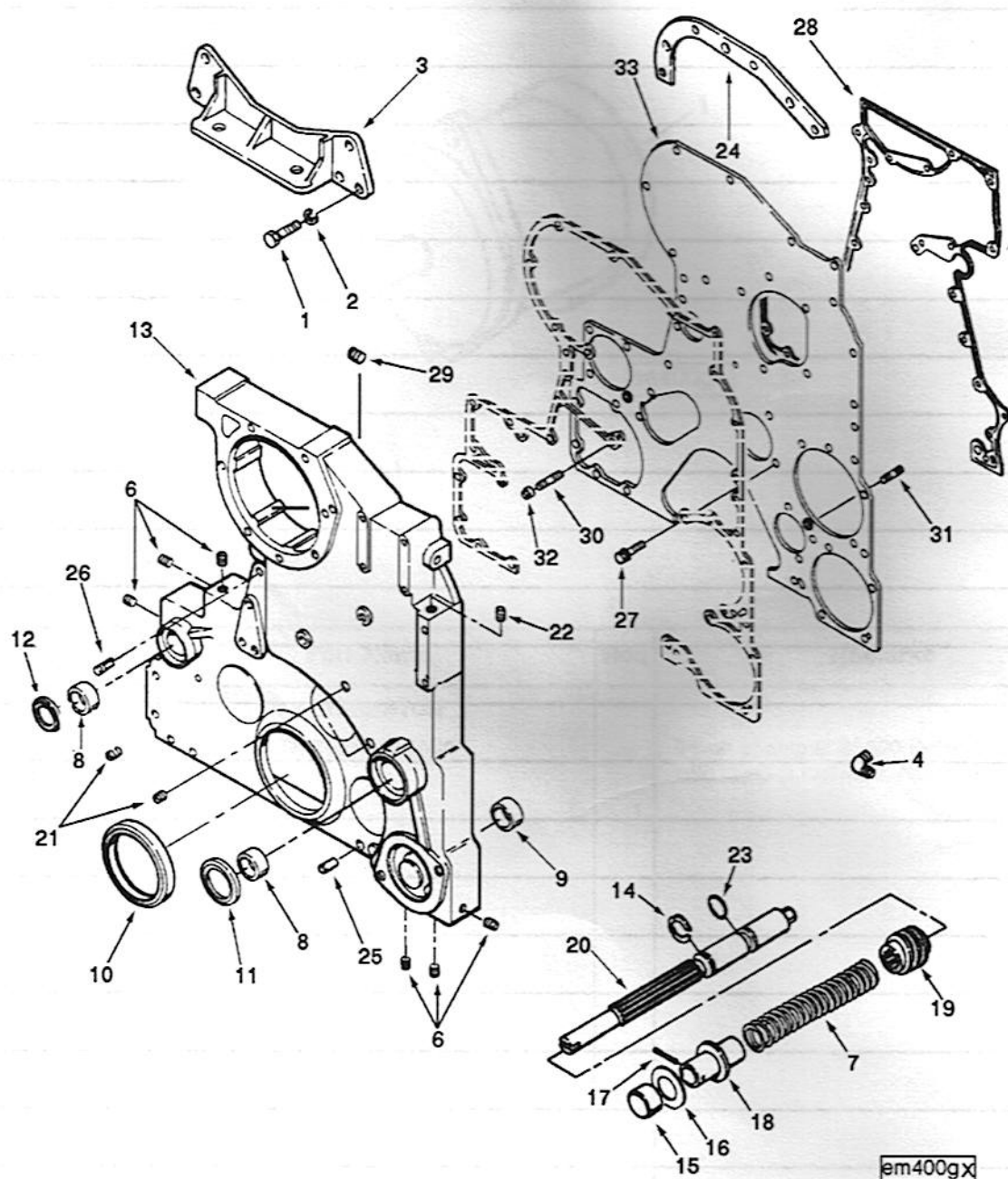


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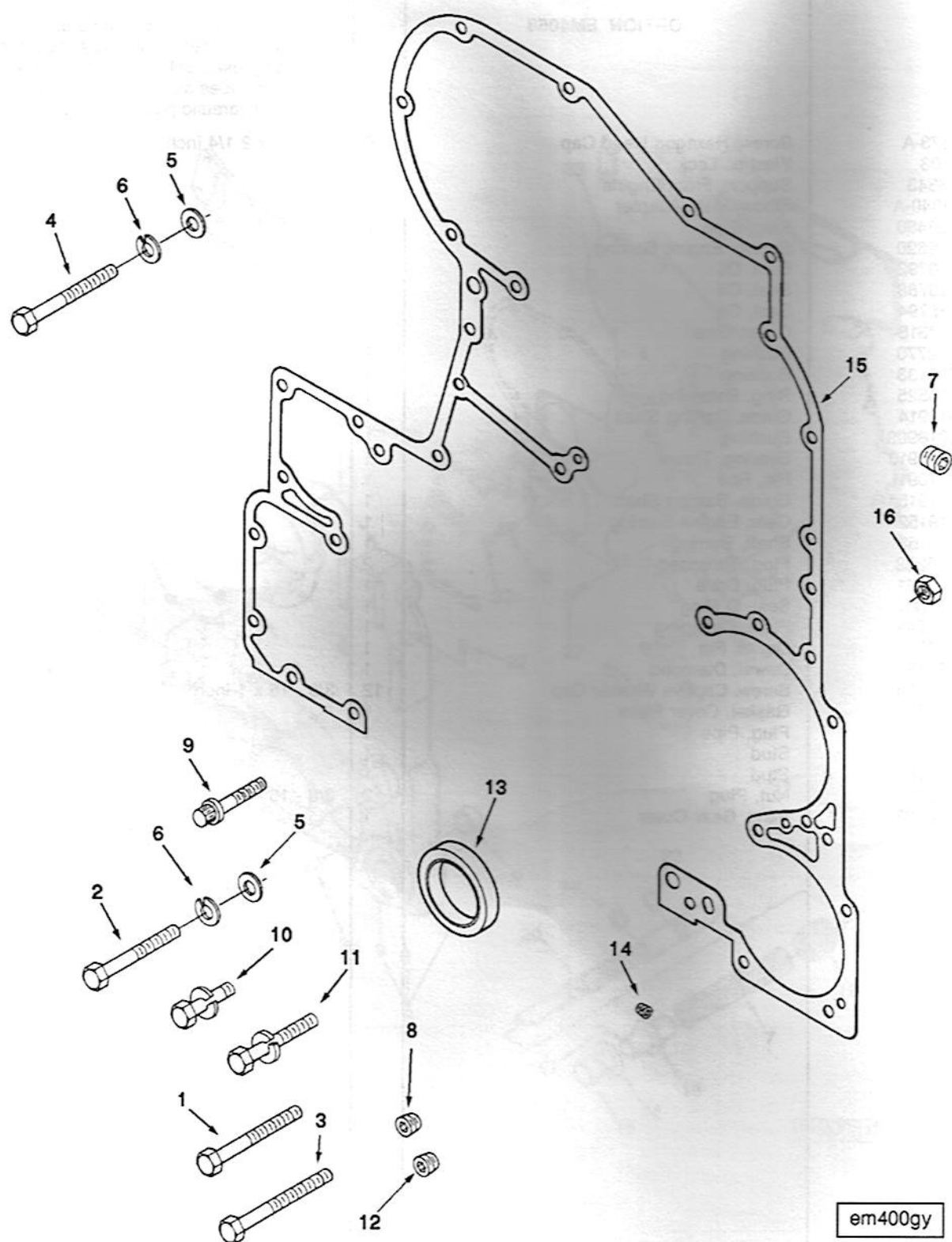
Ref No.	Part Number	Part Name	Req	Remarks
		ALTERNATOR MOUNTING OPTION EE4020		Mounting parts for Delco Remy and Leece Neville model alternators. Mounted in standard location and belt driven at 2.92 times engine speed. For belt driven fan drive arrangement only. Includes link, belt and 5 groove alternator pulley. Alternator mounting bracket is part of fan options.
1	206996	Belt, V Ribbed	1	
2	3002323	Pulley, Alternator	1	
3	S-106	Screw, Hexagon Head Cap	1	1/2 - 13 x 1 3/4 inch
4	S-113	Screw, Hexagon Head Cap	1	1/2 - 13 x 1 1/2 inch
5	70897	Nut, Lock	1	1/2 - 20
6	111445	Washer, Lock	2	
7	158829	Screw, Hexagon Head Cap	1	1/2 - 20 x 6 1/2 inch
8	203310	Washer, Plain	3	
	3201188	Link, Adjusting	1	
9	S-253	Nut, Regular Hexagon Jam	1	1/2 - 20
10	206202	Nut, Jam	1	1/2 - 20
11	3201185	Link, Adjusting	1	
12	3201186	Link, Adjusting	1	
13	3201187	Link, Adjusting	1	



Ref No.	Part Number	Part Name	Req	Remarks
1	3016627	Alternator ALTERNATOR OPTION EE8080	1	24volt 35amp 20SI 300 Delco Remy alte with integral regulator. Negative ground.

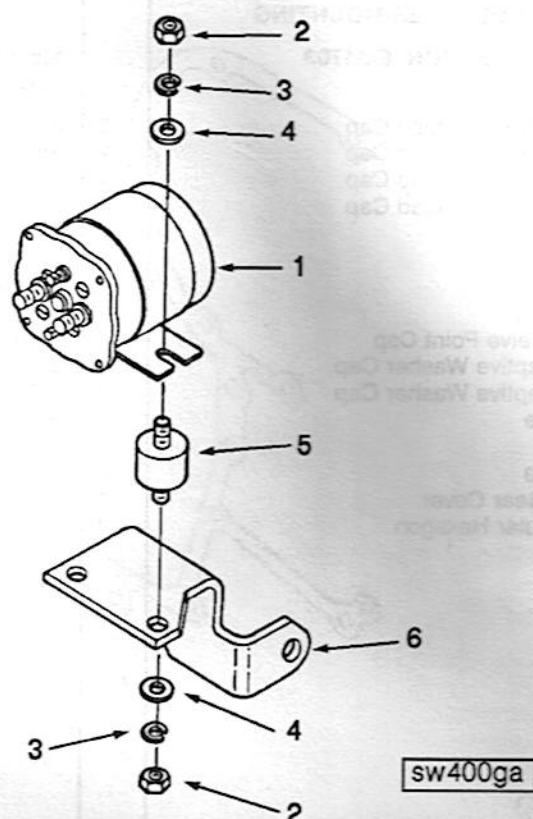


Ref No.	Part Number	Part Name	Req	Remarks
		FRONT ENGINE SUPPORT OPTION EM4058		Two bolt pad type front engine support with 51/64 inch diameter holes to accept the commonly used 3/4 inch diameter Lord mount. Includes aluminum gear cover without front out hydraulic pump drive provisions.
1	S-173-A	Screw, Hexagon Head Cap	6	5/8 - 11 x 2 1/4 inch
2	S-603	Washer, Lock	6	
3	206343	Support, Front Engine	1	
4	S-1040-A	Elbow, Male Adapter	1	
6	3025460	Plug, Pipe	6	
7	3009620	Spring, Engine Barring	1	
10	3016792	Seal, Oil	1	
11	3016788	Seal, Oil	1	
12	3016794	Seal, Oil	1	
13	3017318	Cover, Gear	1	
8	132770	Bushing	2	
9	205133	Bushing	1	
14	3015525	Ring, Retaining	1	
	3018914	Guide, Barring Shaft	1	
15	3018909	Bushing	1	
16	3018910	Bearing, Thrust	1	
17	3018911	Pin, Roll	1	
18	3019154	Guide, Barring Shaft	1	
19	3019152	Gear, Engine Barring	1	
20	3019153	Shaft, Barring	1	
21	3046202	Plug, Threaded	2	
22	3059831	Plug, Drive	1	
23	3201125	Seal, O Ring	1	
24	3200642	Plate, Clamping	1	
25	70645	Dowel, Pin	1	
26	102957	Dowel, Diamond	1	
27	3014766	Screw, Captive Washer Cap	12	3/8 - 16 x 1 inch
28	3037282	Gasket, Cover Plate	1	
29	S-965-E	Plug, Pipe	1	
30	206217	Stud	1	
31	206218	Stud	1	
32	3019961	Nut, Plug	2	3/8 - 16
33	3044523	Plate, Gear Cover	1	

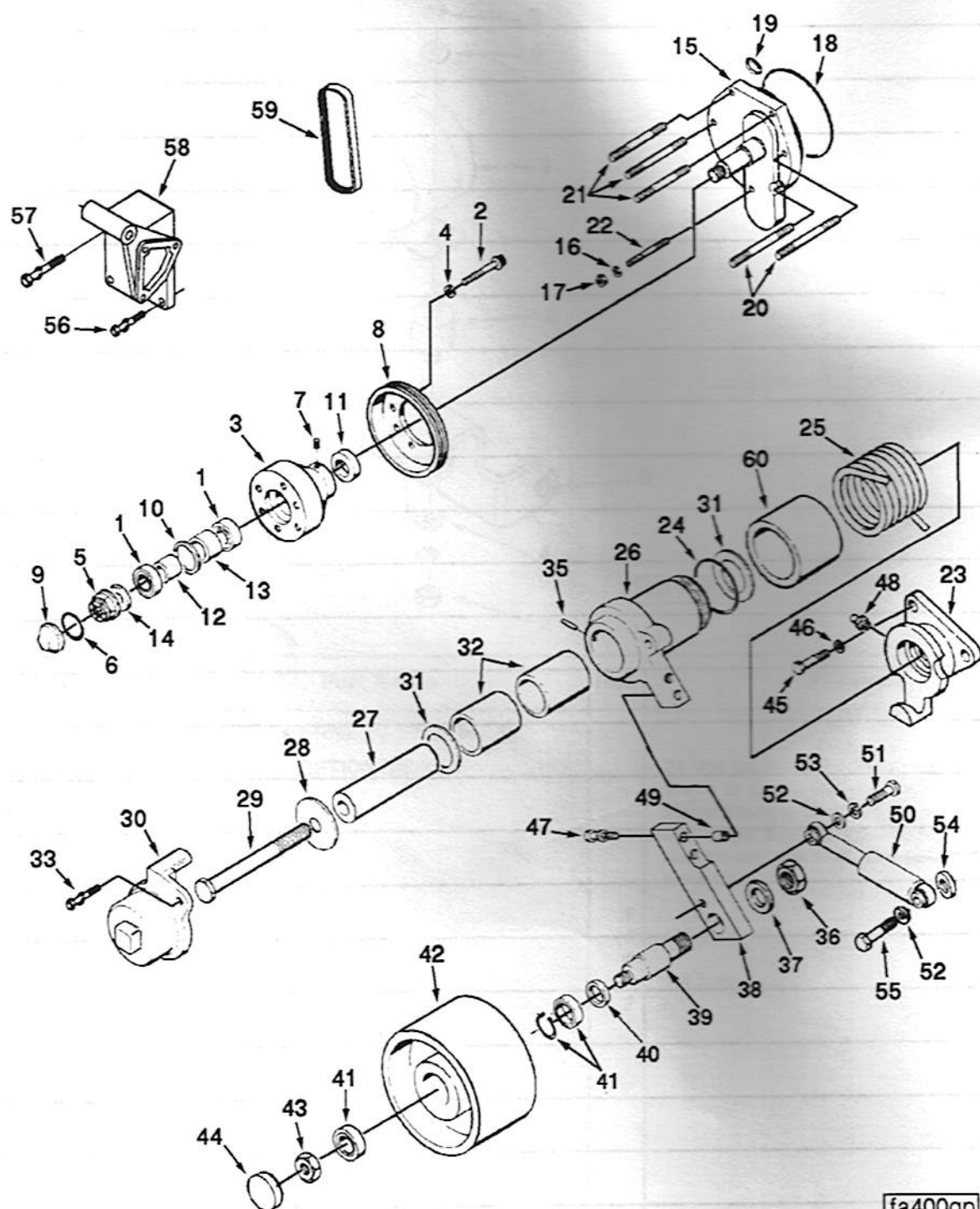


em400gy

Ref No.	Part Number	Part Name	Req	Remarks
		GEAR COVER MOUNTING		
		OPTION EM4703		Mounting for aluminum gear cover without freon compressor.
1	S-105	Screw, Hexagon Head Cap	2	3/8 - 16 x 3.50 inch
2	S-163	Screw, Hexagon Head Cap	2	3/8 - 16 x 3.25 inch
3	S-199-A	Screw, Hexagon Head Cap	4	3/8 - 16 x 4 inch
4	S-199-B	Screw, Hexagon Head Cap	5	3/8 - 16 x 3.75 inch
5	S-602	Washer, Plain	2	
6	S-604	Washer, Lock	13	
7	S-915-A	Plug, Pipe	1	1/2 NPTF
8	67622	Plug, Pipe	1	3/8 NPTF
9	205375	Screw, Twelve Point Cap	1	3/8 - 16 x 2.25 inch
10	3010596	Screw, Captive Washer Cap	3	3/8 - 16 1.25 inch
11	3012476	Screw, Captive Washer Cap	2	3/8 - 16 x 3 inch
12	3013786	Plug, Pipe	1	3/8 NPTF
13	3016788	Seal, Oil	1	
14	3025460	Plug, Pipe	4	
15	3074690	Gasket, Gear Cover	1	
16	3201128	Nut, Regular Hexagon	4	3/8 - 16 thread

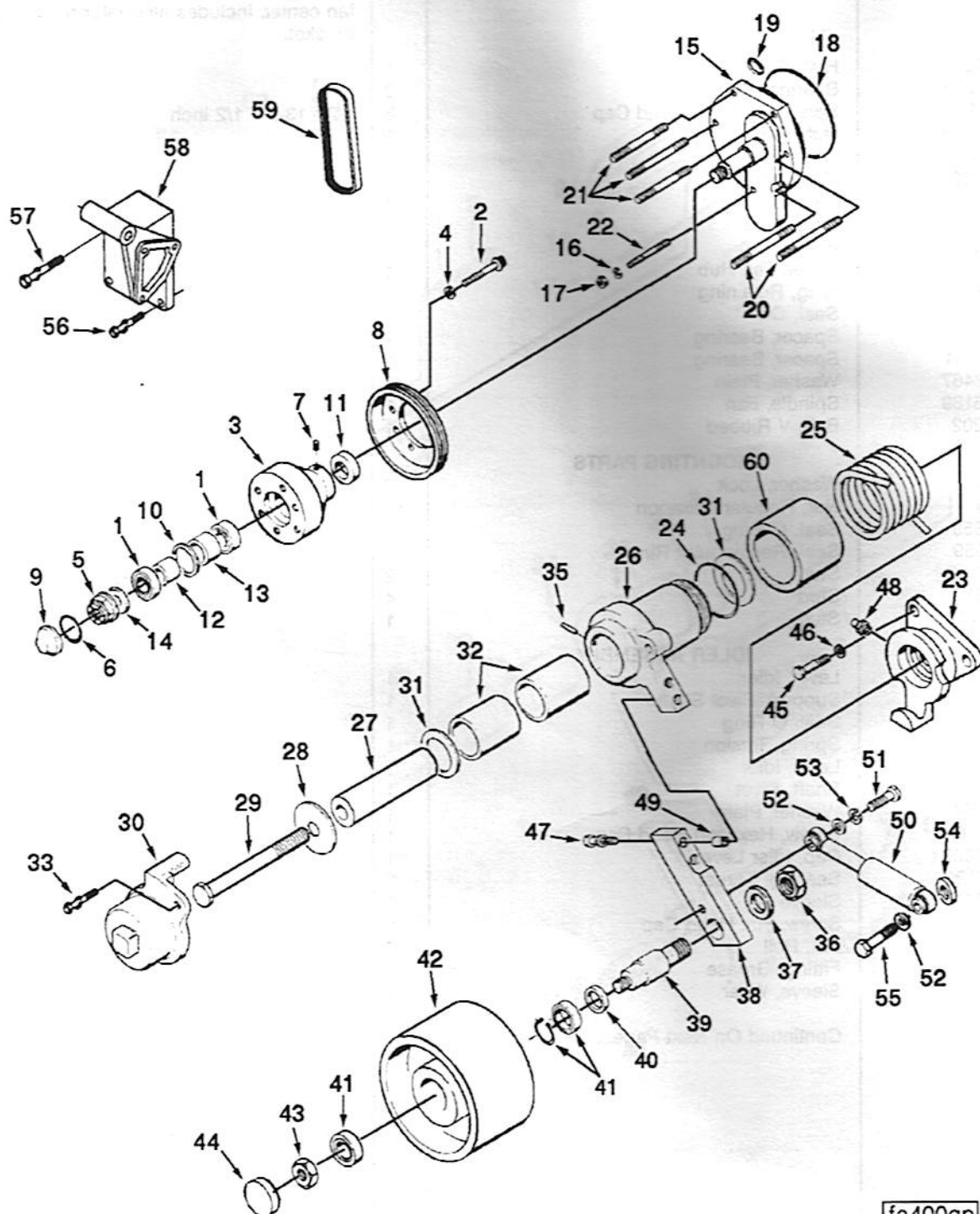


Ref No.	Part Number	Part Name	Req	Remarks
		MAGNETIC SWITCH OPTION ES8029		
1	3050692	Switch, Magnetic	1	24 Volt insulated magnetic switch for use single or dual positive engagement electric starter/ starters. Secured to the starter mounting flange. When engine wiring & electric starters are specified, this option must be selected.
2	S-224	Nut, Heavy Hexagon	4	
3	S-600	Washer, Lock	4	
4	S-631	Washer, Plain	4	
5	204493	Isolator, Vibration	2	
6	3062483	Bracket, Magnetic Switch	1	

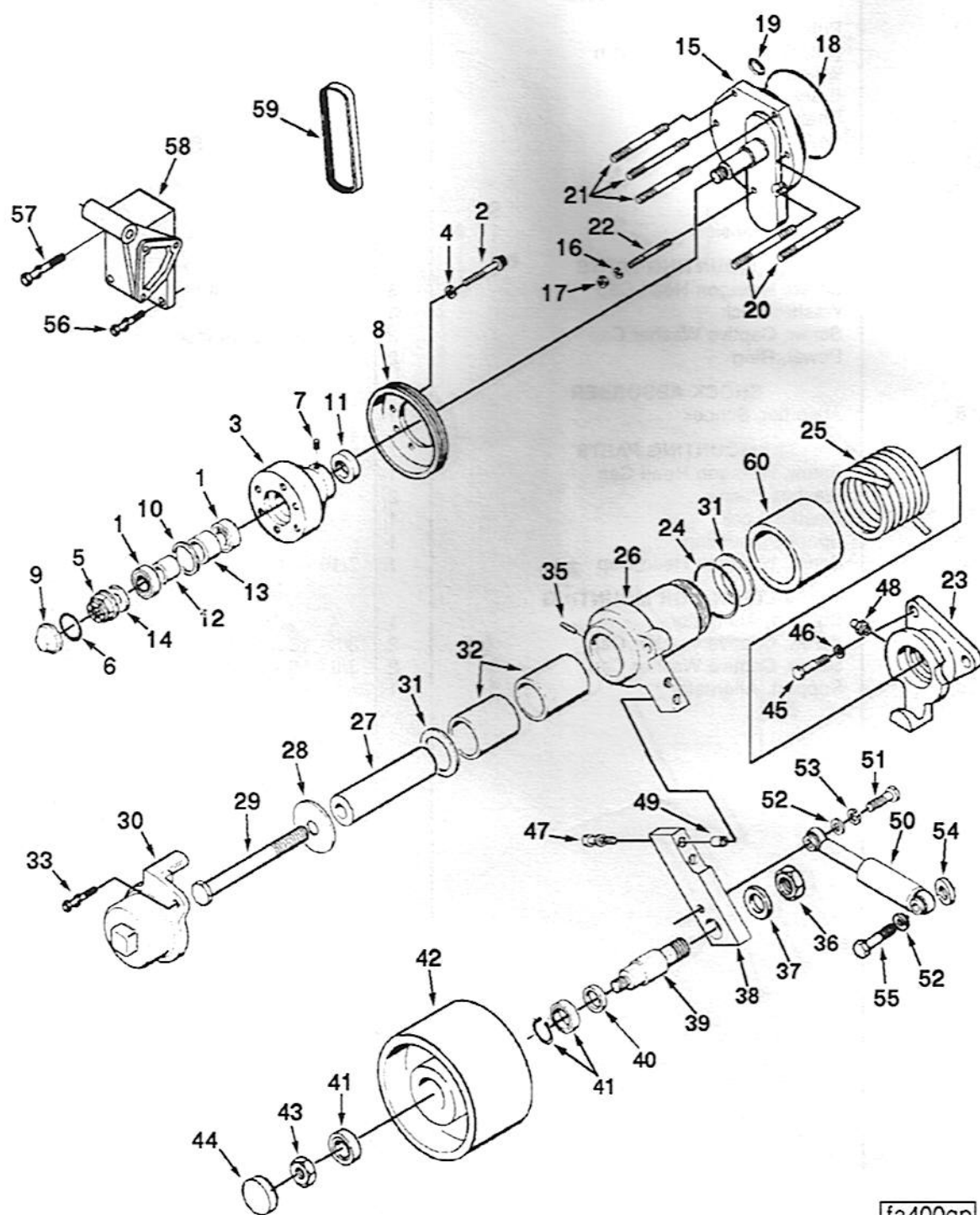


fa400gp

Ref No.	Part Number	Part Name	Req	Remarks
		FAN DRIVE ARRANGEMENT		
		OPTION FA4053		Belt driven .85 to 1 drive ratio with 20.4inch fan center. Includes alternator mounting bracket.
	3002232	Hub, Fan	1	
1	3001281	Bearing, Roller	2	
2	S-113	Screw, Hexagon Head Cap	6	1/2 - 13 x 1 1/2 inch
3	3002183	Hub, Fan	1	
4	111445	Washer, Lock	6	
5	3202206	Nut, Lock	1	
6	145551	Seal, O Ring	1	
7	S-911-B	Plug, Pipe	2	
8	3002220	Pulley, Fan	1	
9	3002193	Cover, Fan Hub	1	
10	3001280	Ring, Retaining	1	
11	3062393	Seal, Oil	1	
12	3002210	Spacer, Bearing	1	
13	3002211	Spacer, Bearing	1	
14	3012467	Washer, Plain	1	
15	3036139	Spindle, Fan	1	
59	3002202	Belt, V Ribbed	1	
		MOUNTING PARTS		
16	S-604	Washer, Lock	7	
17	S-205	Nut, Regular Hexagon	7	3/8 inch
18	3000859	Seal, O Ring	1	
19	3201659	Seal, Rectangular Ring	1	
20	64929	Stud	2	
21	102397	Stud	4	
22	3201117	Stud	1	
		IDLER ASSEMBLY		
	3033957	Lever, Idler	1	
23	3177125	Support, Pivot Shaft	1	
24	145581	Seal, O Ring	1	
25	3019415	Spring, Torsion	1	
26	3177127	Lever, Idler	1	
27	3009475	Shaft, Pivot	1	
28	127454	Washer, Plain	1	
29	3628104	Screw, Hexagon Head Cap	1	
30	3023499	Cap, Idler Lever	1	
31	3177129	Bearing, Thrust	2	
32	3009477	Sleeve	2	
33	3060463	Screw, Flat Head Cap	1	
35	68171	Pin, Roll	2	
48	S-2268	Fitting, Grease	1	
60	3177128	Sleeve, Wear	1	
		Continued On Next Page...		

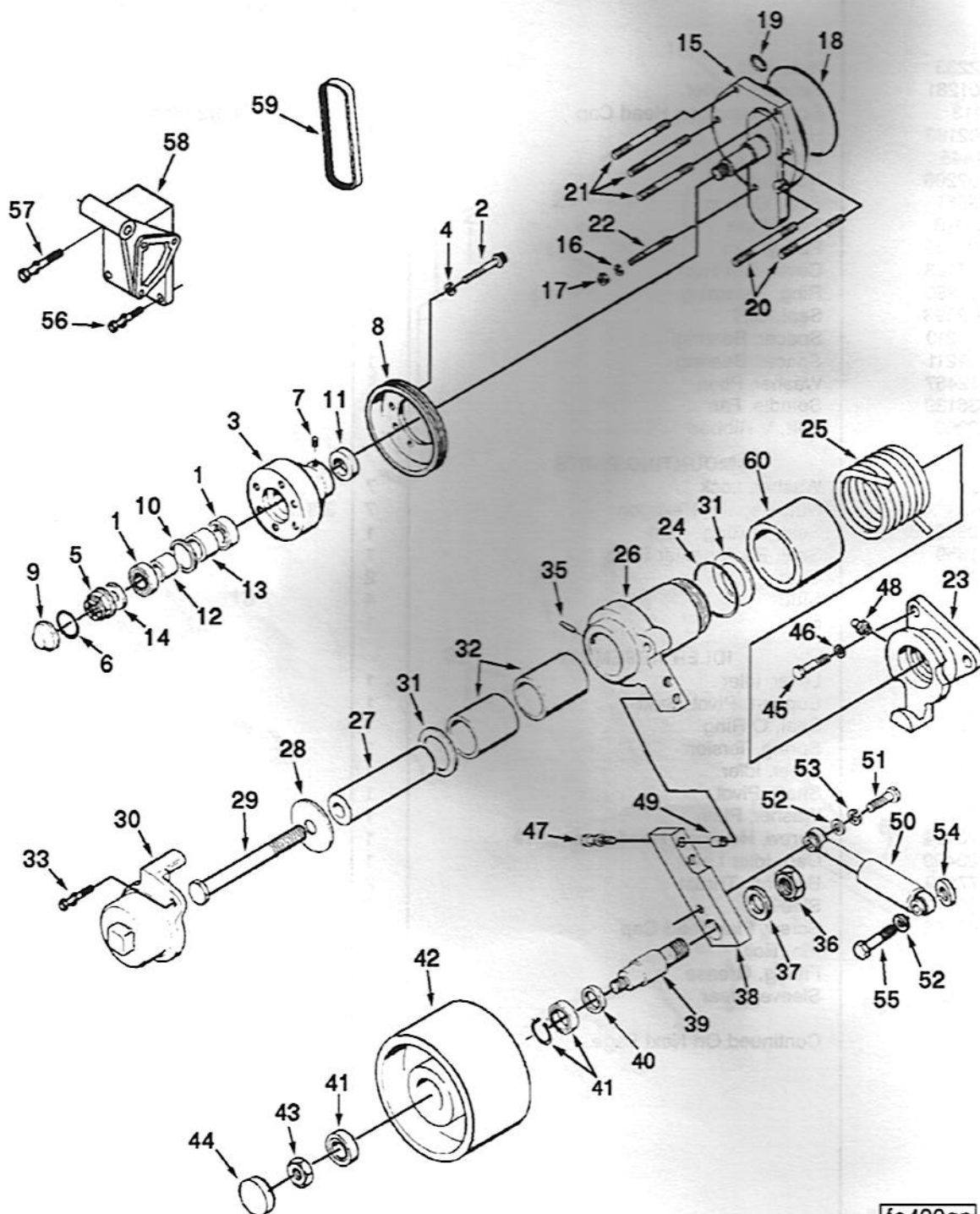


Ref No.	Part Number	Part Name	Req	Remarks
		FAN IDLER		
		OPTION FA4053		
	3009639	Pulley, Idler	1	
36	S-249	Nut, Regular Hexagon Jam	1	
37	S-640	Washer, Plain	1	
38	3042651	Bracket, Idler Pulley	1	
39	3009481	Shaft, Idler	1	
40	3065830	Seal, Oil	1	
41	3003354	Bearing, Roller	1	
42	3201228	Pulley, Idler	1	
43	3004057	Nut, Lock	1	
44	3201206	Plug, Expansion	1	
		MOUNTING PARTS		
45	103009	Screw, Hexagon Head Cap	3	7/16 - 14 x 1 1/4 inch
46	S-610	Washer, Lock	3	
47	3012475	Screw, Captive Washer Cap	2	3/8 - 16 x 2 1/4 inch
49	3002993	Dowel, Ring	2	
		SHOCK ABSORBER		
50	3008018	Absorber, Shock	1	
		MOUNTING PARTS		
51	108708	Screw, Hexagon Head Cap	1	7/16 - 14 x 3 1/4 inch
52	S-622	Washer, Plain	2	
53	S-610	Washer, Lock	1	
54	3200905	Spacer, Mounting	1	
55	3201283	Screw, Hexagon Head Cap	1	7/16 - 14 x 2 3/4 inch
		ALTERNATOR MOUNTING		
	3012628	Support, Alternator	1	
56	3010596	Screw, Captive Washer Cap	2	3/8 - 16 x 1 1/4 inch
57	3010597	Screw, Captive Washer Cap	2	3/8 - 16 x 3 3/4 inch
58	3041859	Support, Alternator	1	



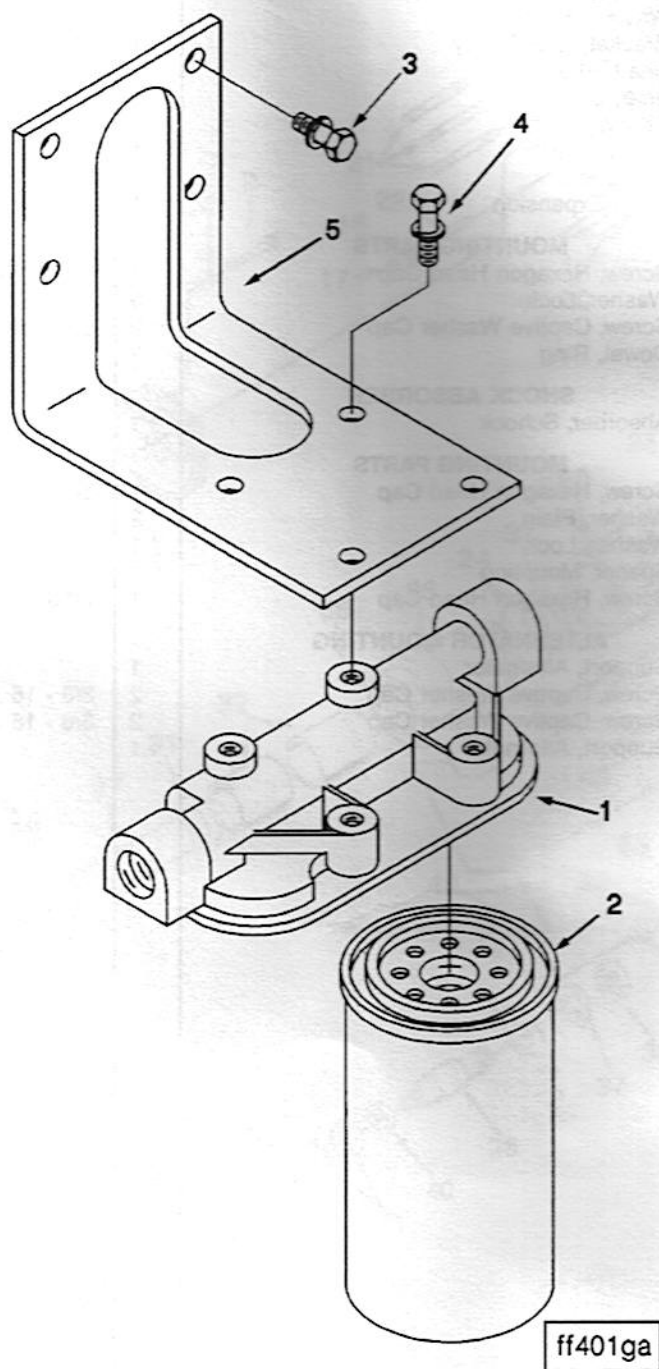
fa400gp

Ref No.	Part Number	Part Name	Req	Remarks
		FAN DRIVE ARRANGEMENT		
		OPTION FA4054		
				Belt driven .70 to 1 drive ratio with 20.4 inch fan center. Includes alternator mounting bracket.
	3002233	Hub, Fan	1	
1	3001281	Bearing, Roller	2	
2	S-113	Screw, Hexagon Head Cap	6	1/2 - 13 x 1 1/2 inch
3	3002183	Hub, Fan	1	
4	111445	Washer, Lock	6	
5	3202206	Nut, Lock	1	
6	145551	Seal, O Ring	1	
7	S-911-B	Plug, Pipe	2	
8	3002222	Pulley, Fan	1	
9	3002193	Cover, Fan Hub	1	
10	3001280	Ring, Retaining	1	
11	3062393	Seal, Oil	1	
12	3002210	Spacer, Bearing	1	
13	3002211	Spacer, Bearing	1	
14	3012467	Washer, Plain	1	
15	3036139	Spindle, Fan	1	
59	3002203	Belt, V Ribbed	1	
		MOUNTING PARTS		
16	S-604	Washer, Lock	7	
17	S-205	Nut, Regular Hexagon	7	3/8 inch
18	3000859	Seal, O Ring	1	
19	3201659	Seal, Rectangular Ring	1	
20	64929	Stud	2	
21	102397	Stud	4	
22	3201117	Stud	1	
		IDLER ASSEMBLY		
	3033957	Lever, Idler	1	
23	3177125	Support, Pivot Shaft	1	
24	145581	Seal, O Ring	1	
25	3019415	Spring, Torsion	1	
26	3177127	Lever, Idler	1	
27	3009475	Shaft, Pivot	1	
28	127454	Washer, Plain	1	
29	3628104	Screw, Hexagon Head Cap	1	
30	3023499	Cap, Idler Lever	1	
31	3177129	Bearing, Thrust	2	
32	3009477	Sleeve	2	
33	3060463	Screw, Flat Head Cap	1	
35	68171	Pin, Roll	2	
48	S-2268	Fitting, Grease	1	
60	3177128	Sleeve, Wear	1	
		Continued On Next Page...		

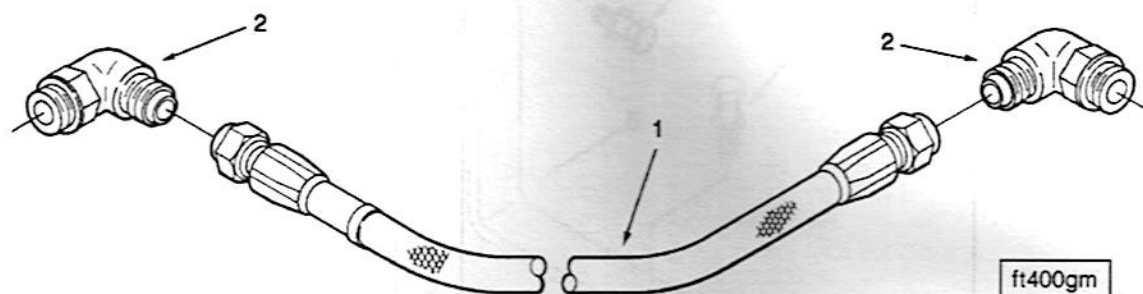


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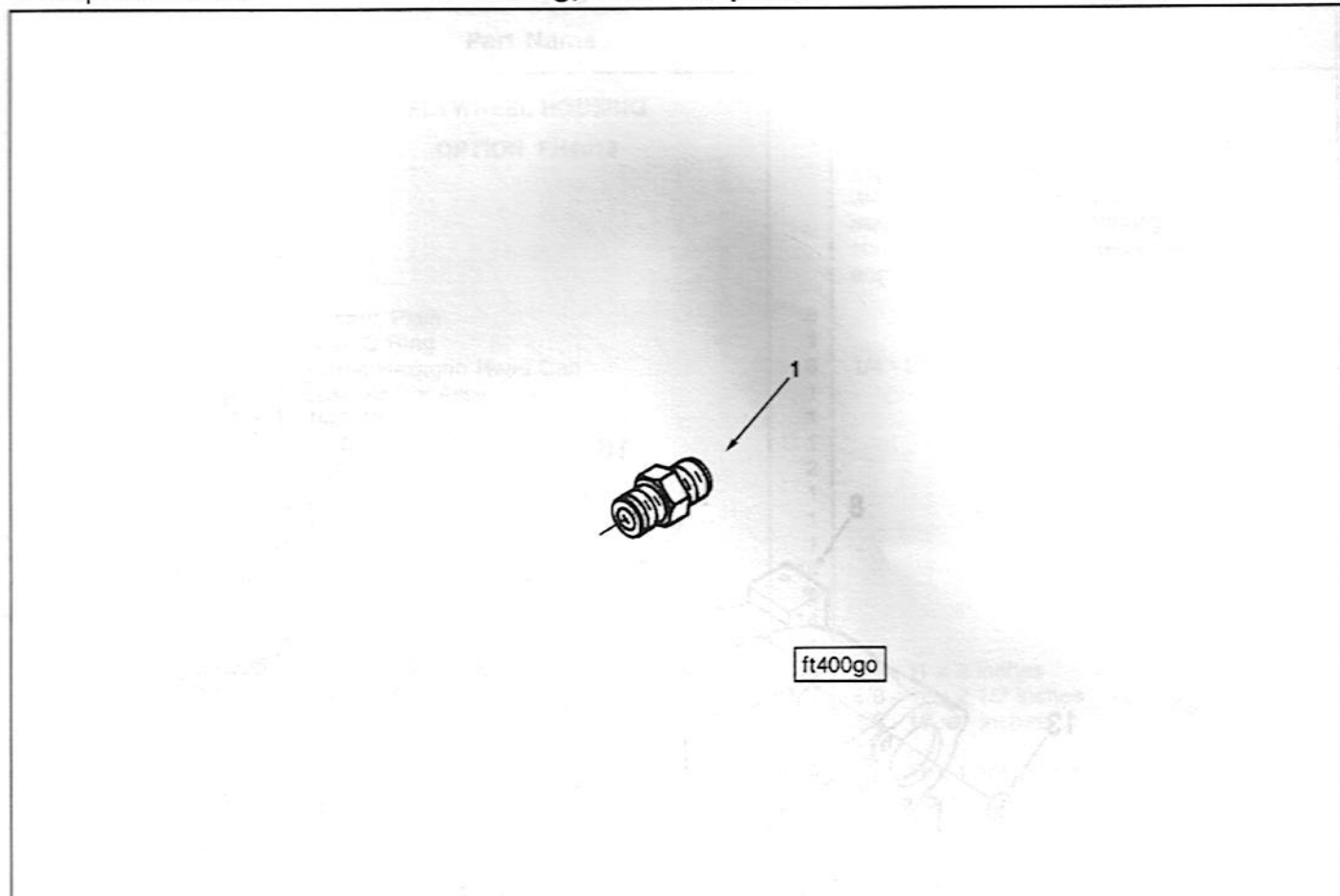
Ref No.	Part Number	Part Name	Req	Remarks
		FAN DRIVE ARRANGEMENT		
		OPTION FA4054		
	3009639	Pulley, Idler	1	
36	S-249	Nut, Regular Hexagon Jam	1	
37	S-640	Washer, Plain	1	
38	3042651	Bracket, Idler Pulley	1	
39	3009481	Shaft, Idler	1	
40	3065830	Seal, Oil	1	
41	3003354	Bearing, Roller	1	
42	3201228	Pulley, Idler	1	
43	3004057	Nut, Lock	1	
44	3201206	Plug, Expansion	1	
		MOUNTING PARTS		
45	103009	Screw, Hexagon Head Cap	3	7/16 - 14 x 1 1/4 inch
46	S-610	Washer, Lock	3	
47	3012475	Screw, Captive Washer Cap	2	3/8 - 16 x 2 1/4 inch
49	3002993	Dowel, Ring	2	
		SHOCK ABSORBER		
50	3008018	Absorber, Schock	1	
		MOUNTING PARTS		
51	108708	Screw, Hexagon Head Cap	1	7/16 - 14 x 3 1/4 inch
52	S-622	Washer, Plain	2	
53	S-610	Washer, Lock	1	
54	3200905	Spacer, Mounting	1	
55	3201283	Screw, Hexagon Head Cap	1	7/16 - 14 x 2 3/4 inch
		ALTERNATOR MOUNTING		
	3012628	Support, Alternator	1	
56	3010596	Screw, Captive Washer Cap	2	3/8 - 16 x 1 1/4 inch
57	3010597	Screw, Captive Washer Cap	2	3/8 - 16 x 3 3/4 inch
58	3041859	Support, Alternator	1	



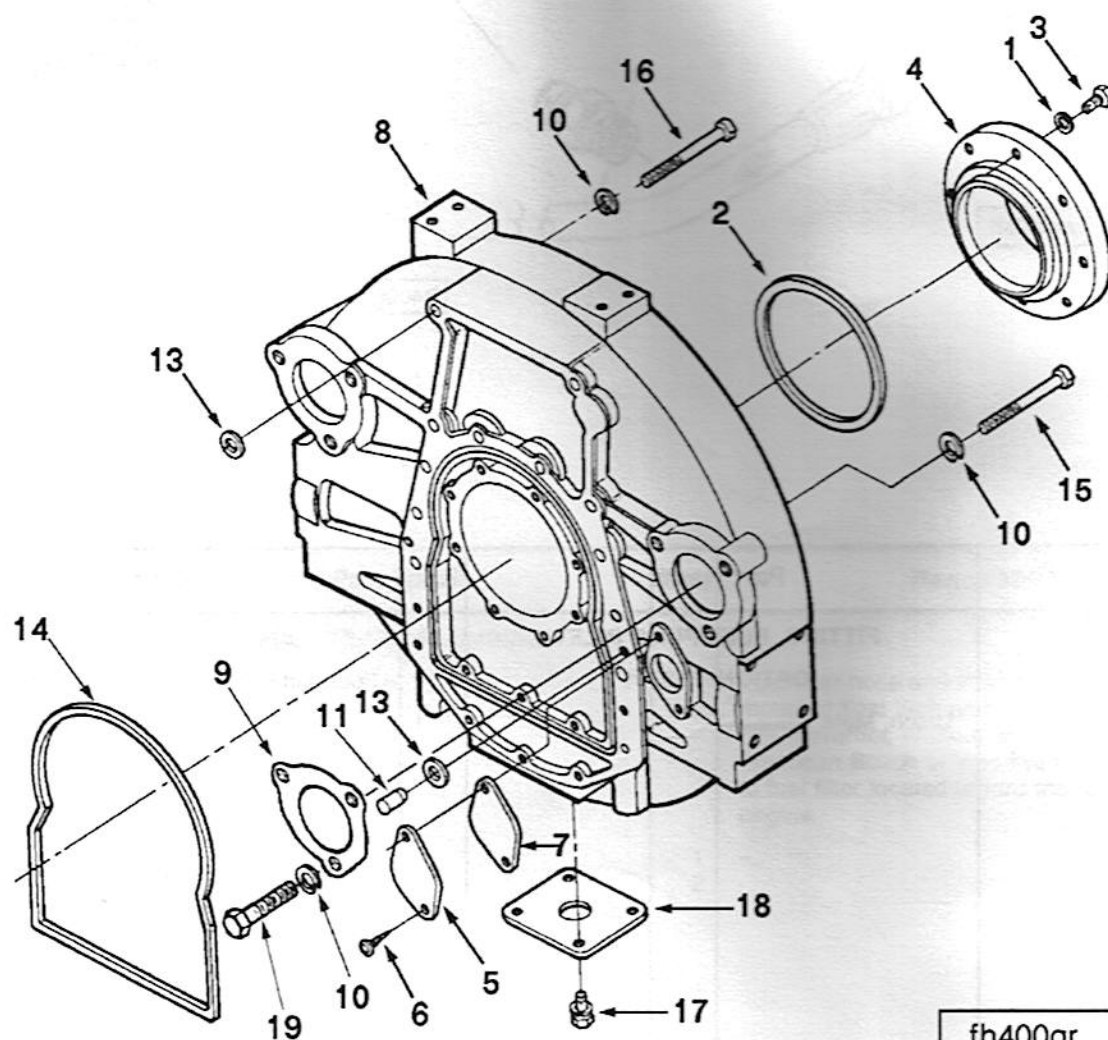
Ref No.	Part Number	Part Name	Req	Remarks
		FUEL FILTER OPTION FF4013		Dual spin-on fuel filters without check valve. Mounted on fuel pump side.
1	212013	Head, Fuel Filter	1	
2	3315847	Filter, Fuel	2	
3	3010595	Screw, Captive Washer Cap	2	3/8 - 16 x 1 inch
4	3010596	Screw, Captive Washer Cap	4	3/8 - 16 x 1 1/4 inch
5	3201394	Bracket, Filter	1	



Ref No.	Part Number	Part Name	Req	Remarks
		FUEL FILTER PLUMBING OPTION FF4705		
1	AK1001600SS	Hose, Flexible	1	Fuel filter hose and fittings. For use with mounted float tank and with or without 1 EFC governor. Without air compressor, American Bosch or Woodward governor to fuel filter located toward the rear of the engine.
2	129859	Elbow, Male Union	2	

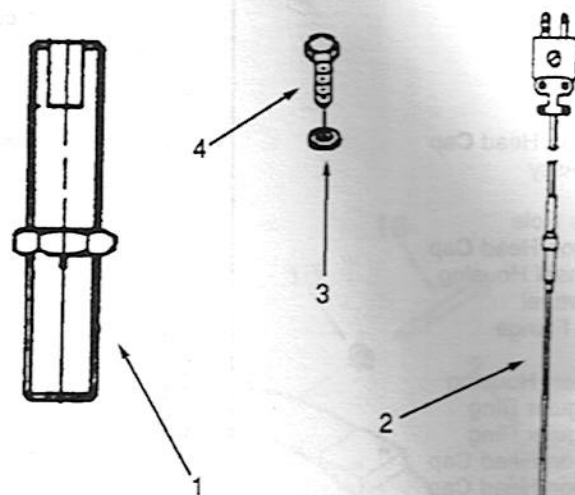


Ref No.	Part Number	Part Name	Req	Remarks
1	203850	FITTING, FUEL PUMP INLET OPTION FF8701 Union, Male	1	Fuel pump inlet fitting, straight type.



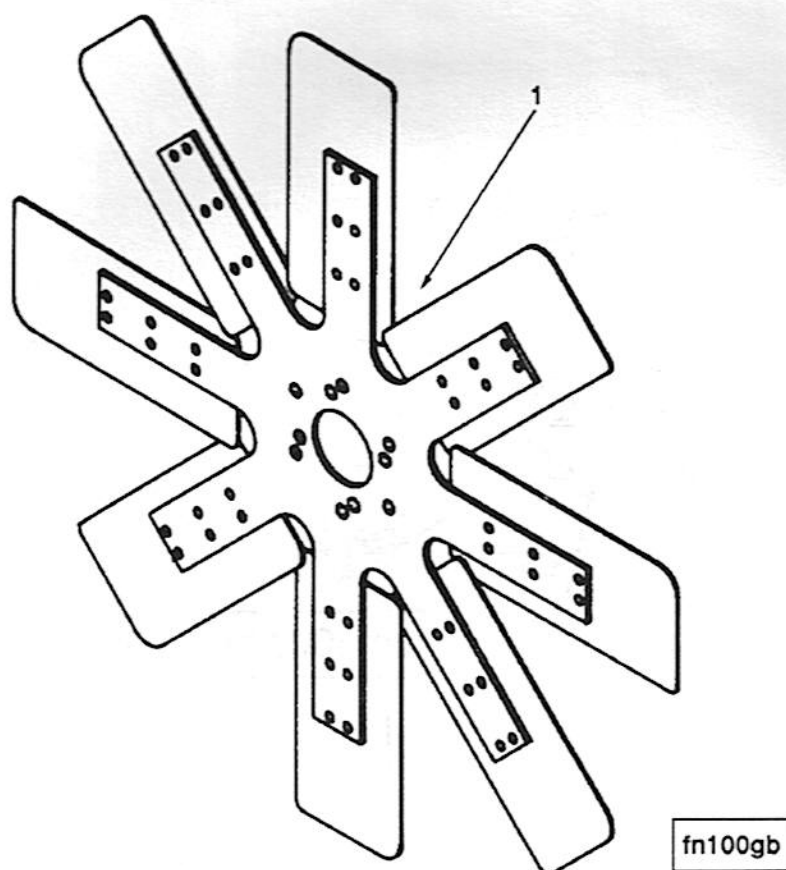
fh400gr

Ref No.	Part Number	Part Name	Req	Remarks
		FLYWHEEL HOUSING		
		OPTION FH4018		
				SAE no. '0' cast iron flywheel housing for dry application. Has provisions for 5/8-18 and 3/4-16 magnetic pick-up and both sides machined for starter mounting. Includes starter hole cover mounted on left side of engine.
1	S-631	Washer, Plain	8	
2	205247	Seal, O Ring	1	
3	205409	Screw, Hexagon Head Cap	8	1/4 - 20 x 5/8 inch
4	3005885	Seal, Rr Crk Assy	1	
	(207724)	Seal, Oil	1	
5	70657	Cover, Access Hole	1	
6	S-118-A	Screw, Hexagon Head Cap	2	
7	3021735	Gasket, Flywheel Housing	1	
8	3036814	Housing, Flywheel	1	
9	62182	Cover Starter Flange	1	
10	S-603	Washer, Lock	18	
11	9226	Dowel, Flywheel Housing	2	
13	172648	Seal, Rectangular Ring	14	
14	205239	Seal, Rectangular Ring	1	
15	S-103-A	Screw, Hexagon Head Cap	10	5/8 - 11 x 2 inches
16	S-144	Screw, Hexagon Head Cap	2	5/8 - 11 x 2 1/2 inches
17	3010595	Screw, Captive Washer Cap	4	3/8 - 16 x 1 inches
18	3201056	Cover, Flywheel Housing	1	
19	S-181	Screw, Hexagon Head Cap	3	5/8 - 11 x 1 1/4 inches

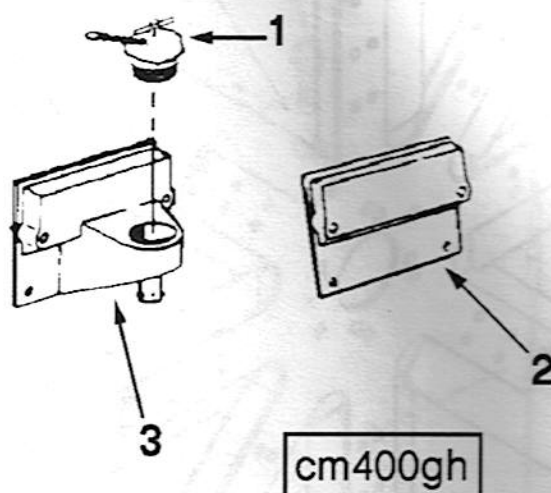


fh400gf

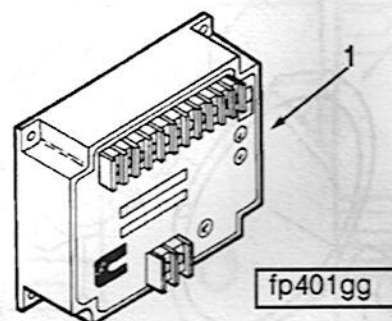
Ref No.	Part Number	Part Name	Req	Remarks
		MAGNETIC PICKUP OPTION FH8718		
1	213272	Pickup, Magnetic	1	5/8-18 UNF magnetic pick-up for use w SAE no. '0', SAE #1, and SAE #2 flywheel housings. Required with Woodward 230 electro-hydraulic governor, American Bosch governor, Cummins EFC governor, tachometers and speed switches. Includes plus the 3/4-16 UNF magnetic pick-up located in the flywheel housing (both wet or dry).
2	213273	Harness, Wiring	1	
3	553856	Gasket, Drain Plug	1	
4	(3201759)	Screw, Hexagon Head Cap	1	
				3/4 - 16 x 1/2 inch



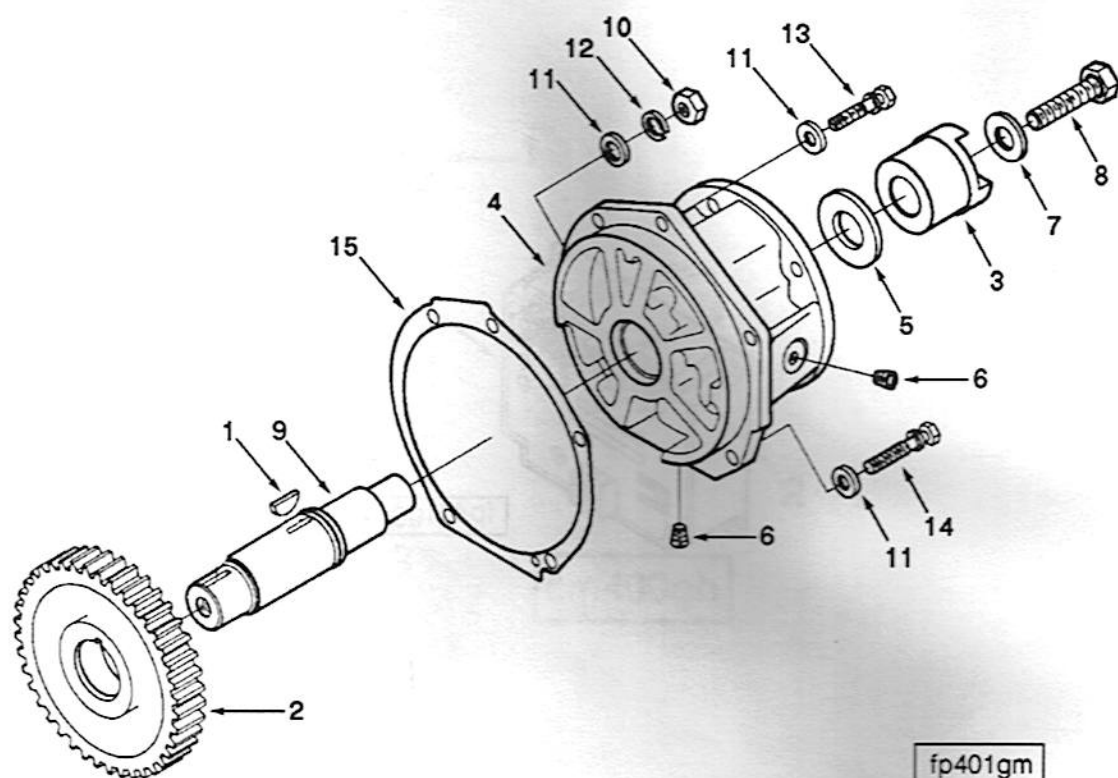
Ref No.	Part Number	Part Name	Req	Remarks
1	212681	FAN OPTION FN4401 Fan, Engine	1	44inch diameter fan, blower type.



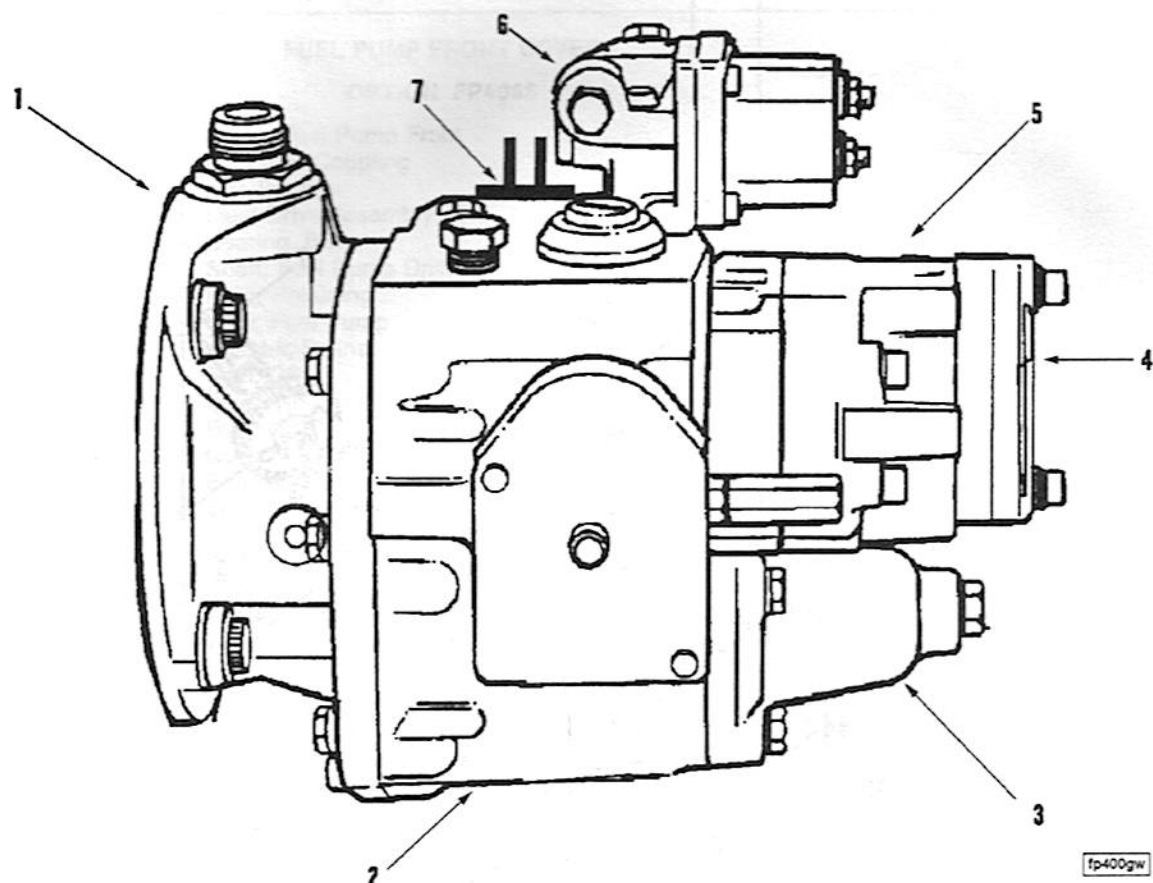
Ref No.	Part Number	Part Name	Req	Remarks
		OIL FILL LOCATION OPTION FO4025		Oil fill located on no. 4 cam follower cover.
1	107981	Cap, Filler	1	
2	3628755	Cover, Camshaft	1	
3	3200414	Bracket, Oil Tube	1	



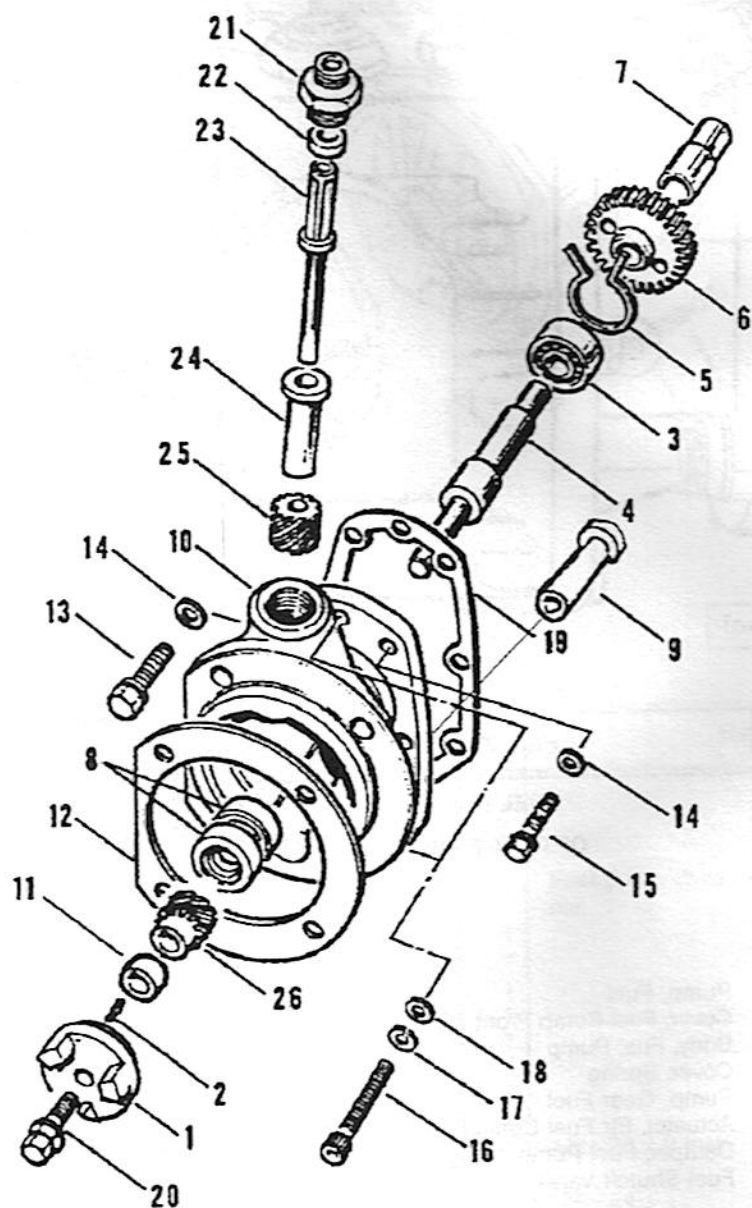
Ref No.	Part Number	Part Name	Req	Remarks
1	3044196	CUMMINS EFC GOVERNOR OPTION FP4106 Control, Governor	1	Cummins EFC governor (24 volt DC normally closed) system. Fuel pump with limiting speed governor. Actuator installed in AFC cavity. Requires an engine mounted magnetic pick-up. Includes a control unit with speed and droop adjustment supplied in kit. Control unit requires a 24 volt negative ground power supply. Without load sensing module. The governor actuator moves to the fully closed position with electrical failure, or shutdown.



Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP DRIVE		
		OPTION FP4815		
				Fuel pump drive for use without air co sor.
1	3016734	Drive Accessory	1	
2	S-316	Key, Plain Woodruff	1	
3	207253	Gear, Accessory Drive	1	
4	3000175	Hub, Jaw Coupling	1	
5	3009512	Support, Accessory Drive	1	
6	3014103	Washer, Plain	1	
7	3025460	Plug, Pipe	2	
8	3045136	Washer, Plain	1	
9	3045137	Screw, Hexagon Head Cap	1	1/2 - 20 x 2 inch
10	3045229	Shaft, Accessory Drive	1	
11	S-205	Nut, Regular Hexagon	1	3/8 - 24
12	S-602	Washer, Plain	5	
13	S-604	Washer, Lock	1	11/16
14	3033038	Screw, Captive Washer Cap	3	3/8 - 16 x 1.61 inch
15	3044413	Screw, Captive Washer Cap	1	3/8 - 16 x 2 inch
	3201693	Gasket, Acc Drive Suppt.	1	

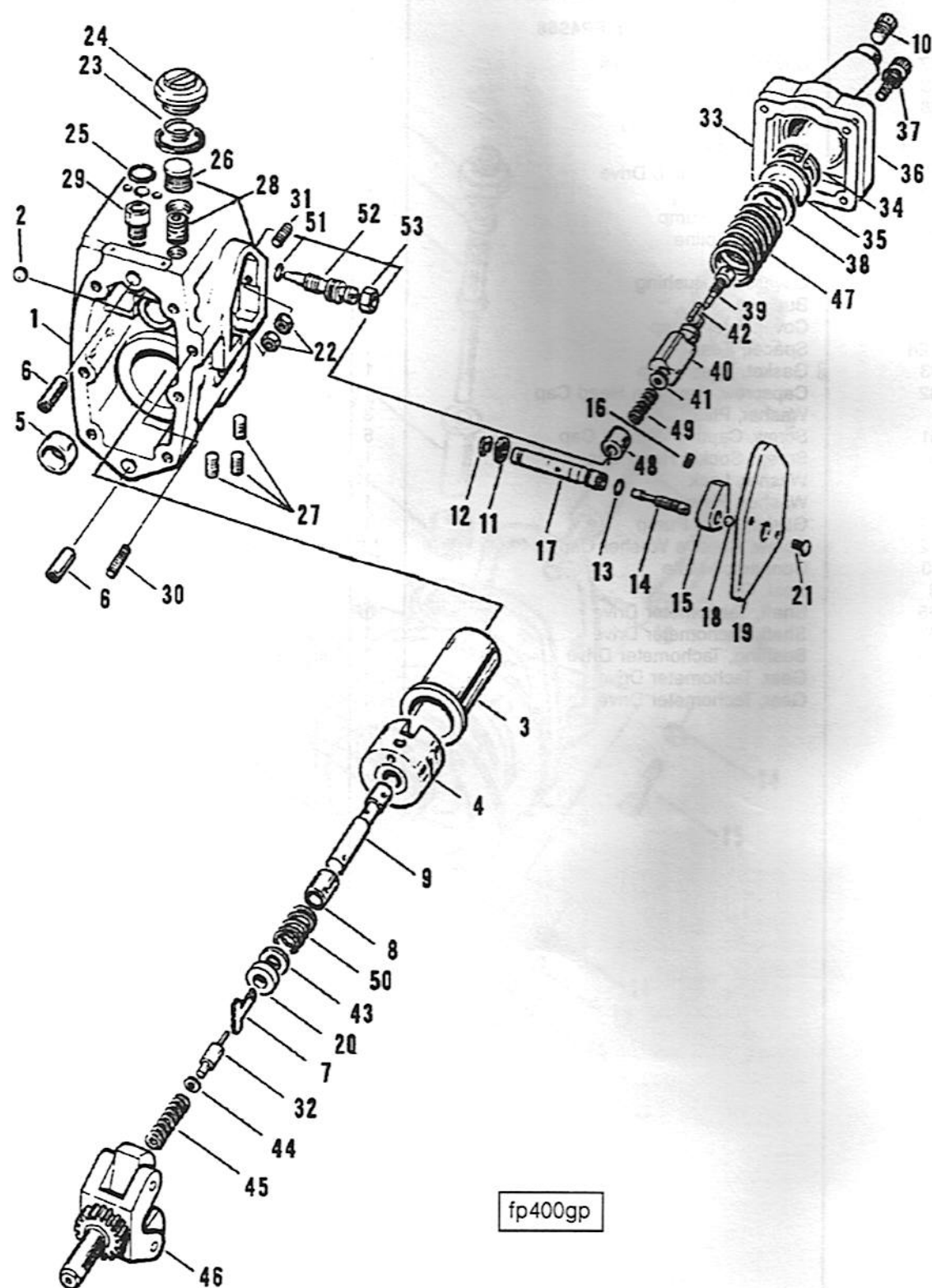


Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP OPTION FP4968		
1	3059658	Pump, Fuel	1	PTG/Non-VS/Non-AFC pump with 3/4" non-cooled, pressurized gear pump. Has tach drive. Low flow actuator. Use with 3032898 hardware kit.
2	3030267	Cover, Fuel Pump Front	1	
3	3059646	Body, Fuel Pump	1	
4	3021977	Cover, Spring	1	
5	3034239	Pump, Gear Fuel	1	
6	3085219	Actuator, Etr Fuel Control	1	
7	AR12110	Damper, Fuel Pump & Mtg	1	
		Fuel Shutoff Valve	1	Reference FV8012

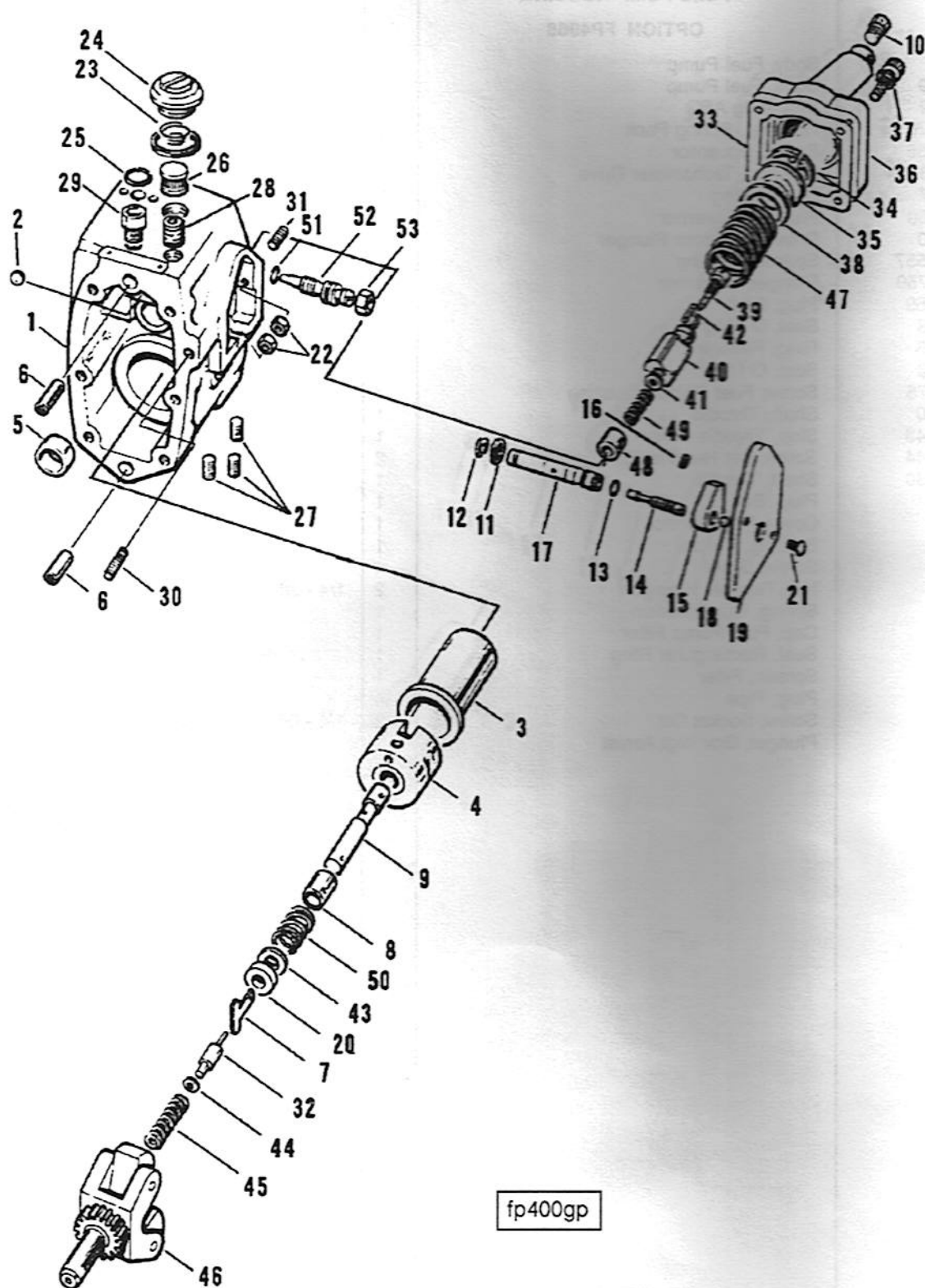


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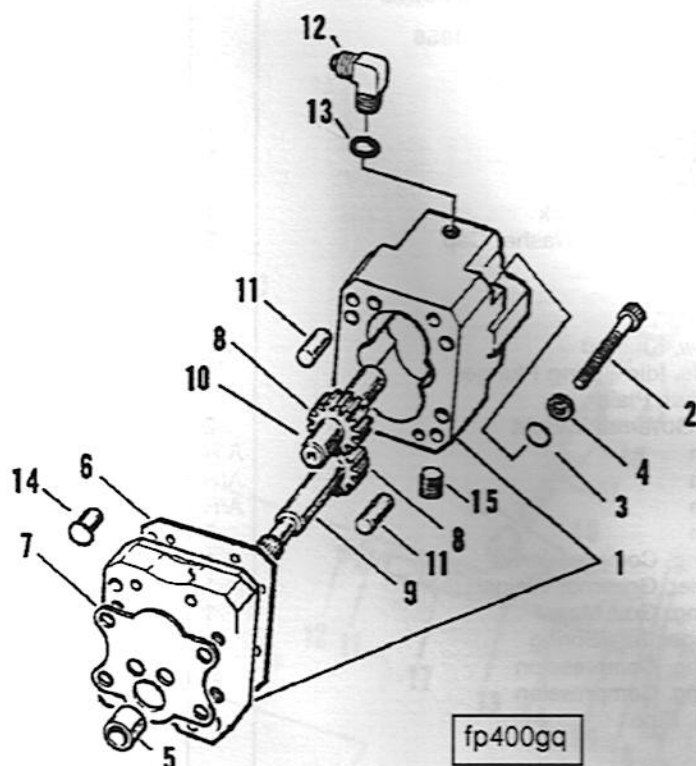
Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP FRONT COVER		
		OPTION FP4968		
	3030267	Cover, Fuel Pump Front	1	
1	212613	Hub, Jaw Coupling	1	
2	212668	Key, Square	1	
	3028372	Main Drive Assembly	1	
3	S-16052	Bearing, Ball	1	
4	212601	Shaft, Fuel Pump Drive	1	
5	212604	Ring, Retaining	1	
6	212605	Gear, Fuel Pump	1	
7	212639	Adapter, Spline	1	
8	3062676	Seal, Oil	2	
	3028368	Cover And Bushing	1	
9	163944	Bushing	1	
10	3063054	Cover, Fuel Pump	1	
11	3004724	Spacer, Seal	1	
12	3069103	Gasket, Fuel Pump	1	
13	3018682	Capscrew, Hexagon Head Cap	1	1/4 - 20 x 1 inch
14	70704	Washer, Plain	3	17/64
15	3017051	Screw, Captive Washer Cap	5	1/4 - 20 x 1 1/8 inch
16	118226	Screw, Socket Head Cap	1	3/16 - 24 x 1 1/4 inch
17	S-607	Washer, Lock	1	Use S-606 with 3032898 hdwr.
18	103089	Washer, Plain	1	
19	3063052	Gasket, Fuel Pump	1	
20	3017052	Screw, Captive Washer Cap	2	1/4 - 20 x 1 1/8 inch
21	3002110	Connector, Male	1	
22	212603	Seal, Oil	1	
	3015665	Shaft, Tachometer Drive	1	
23	212607	Shaft, Tachometer Drive	1	
24	212609	Bushing, Tachometer Drive	1	
25	212610	Gear, Tachometer Drive	1	
26	212602	Gear, Tachometer Drive	1	



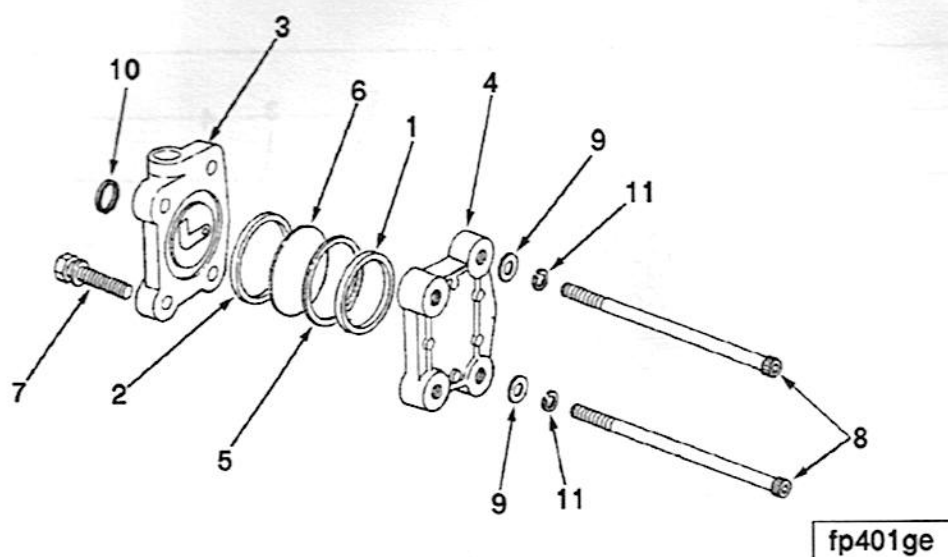
Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP HOUSING		
		OPTION FP4968		
	3059646	Body, Fuel Pump	1	
1	3059619	Body, Fuel Pump	1	
2	214139	Ball, Plug AFC	3	
3	3036970	Housing, Spring Pack	1	
4	3058555	Barrel, Governor	1	
5	100193	Bushing, Tachometer Drive	1	
6	118227	Dowel, Ring	2	
	3040760	Plunger, Governor	1	
7	70690	Driver, Governor Plunger	1	
8	3048557	Spacer, Bearing	1	
9	3040750	Plunger, Governor	1	
10	3025459	Plug, Pipe	3	
11	100478	Seal, O Ring	1	
12	163945	Ring, Retaining	1	
13	213768	Seal, O Ring	1	
14	3006175	Screw, Fuel Pump Adjusting	1	1/4 - 28 x 1.84 inch
	3006430	Shaft, Throttle	1	
15	3006343	Stop, Throttle Lever	1	
16	3006344	Screw, Set Hex Flat S'K'T	2	1/4 - 28 x 3/8 inch
17	3046680	Shaft, Throttle	1	
18	213769	Plug, Ball	1	
19	3000446	Cover, Fuel Control	1	
20	3027633	Bearing, Thrust	1	
21	S-2286	Screw, Drive	4	
22	S-270	Nut, Regular Hexagon	2	1/4 - 28
23	70700	Spring, Compression	1	
24	157088	Cap, Fuel Pump Filter	1	
25	154088	Seal, Rectangular Ring	1	
26	146483	Screen, Filter	1	
27	3025460	Plug, Pipe	4	
30	3046407	Screw, Socket Set	2	1/4 - 28 x 1 1/2 inch
32	144178	Plunger, Gov Wgt Assist	1	



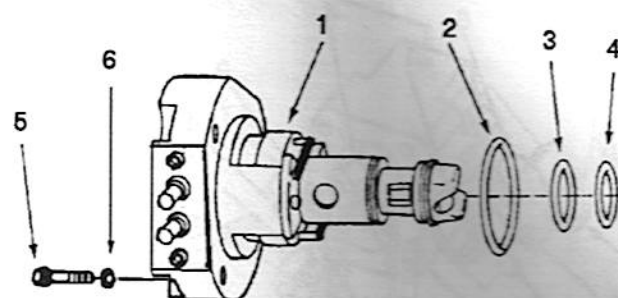
Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP HOUSING		
		OPTION FP4968		
		Continuation of 3059646		
33	70705	Gasket, Flange	1	
34	S-16240	Ring, Retaining	2	
35	70713	Retainer, Spring	1	
36	3065376	Cover, Spring Pack	1	
37	3017051	Screw, Captive Washer Cap	2	1/4 - 20 x 1 1/8 inches
38	70717	Shim	6	
38	70717-A	Shim	1	
38	70717-B	Shim	1	
39	70716	Screw, Knurled	1	3/16 - 28 x 1 1/4 inch
40	3036472	Guide, Idle Spring Plunger	1	
41	70715	Washer, Plain	1	
42	211635	Pin, Governor Weight	2	
43	101841	Shim	A/R	.005 Inch
43	101842	Shim	A/R	.010 Inch
43	101843	Shim	A/R	.020 Inch
44	144179	Shim	7	
45	143854	Spring, Compression	1	
46	3024991	Carrier, Governor Weight	1	
47	3004957	Spring, Gov. Max.	1	
48	141629	Plunger, Idle Spring	1	
49	3032014	Spring, Compression	1	
50	3018767	Spring, Compression	1	
55	112076	Plug, Pipe	1	



Ref No.	Part Number	Part Name	Req	Remarks
		FUEL GEAR PUMP		
		OPTION FP4968		
	3034239	Pump, Gear Fuel		
1	3033731	Assy., Housing & Cover	1	
2	70790	Screw, Socket Head Cap	2	1/4 - 20 x 2 3/4 inch
3	70704	Washer, Plain	2	
4	181466	Washer, Lock	2	
5	3033719	Dowel, Ring	1	
6	110855	Gasket, Fuel Pump	1	
7	3026163	Gasket, Fuel Pump	1	
	3016609	Gear & Shaft	1	
8	119363	Gear, Fuel Pumping	1	
9	100215	Shaft, Fuel Pump Drive	1	
	3019616	Gear & Shaft	1	
8	119363	Gear, Fuel Pumping	1	
10	175864	Shaft, Fuel Pump	1	
11	64816-A	Dowel, Pin	2	
14	3050624	Valve, Pressure Regulator	1	
15	3033742	Plug, Threaded	2	

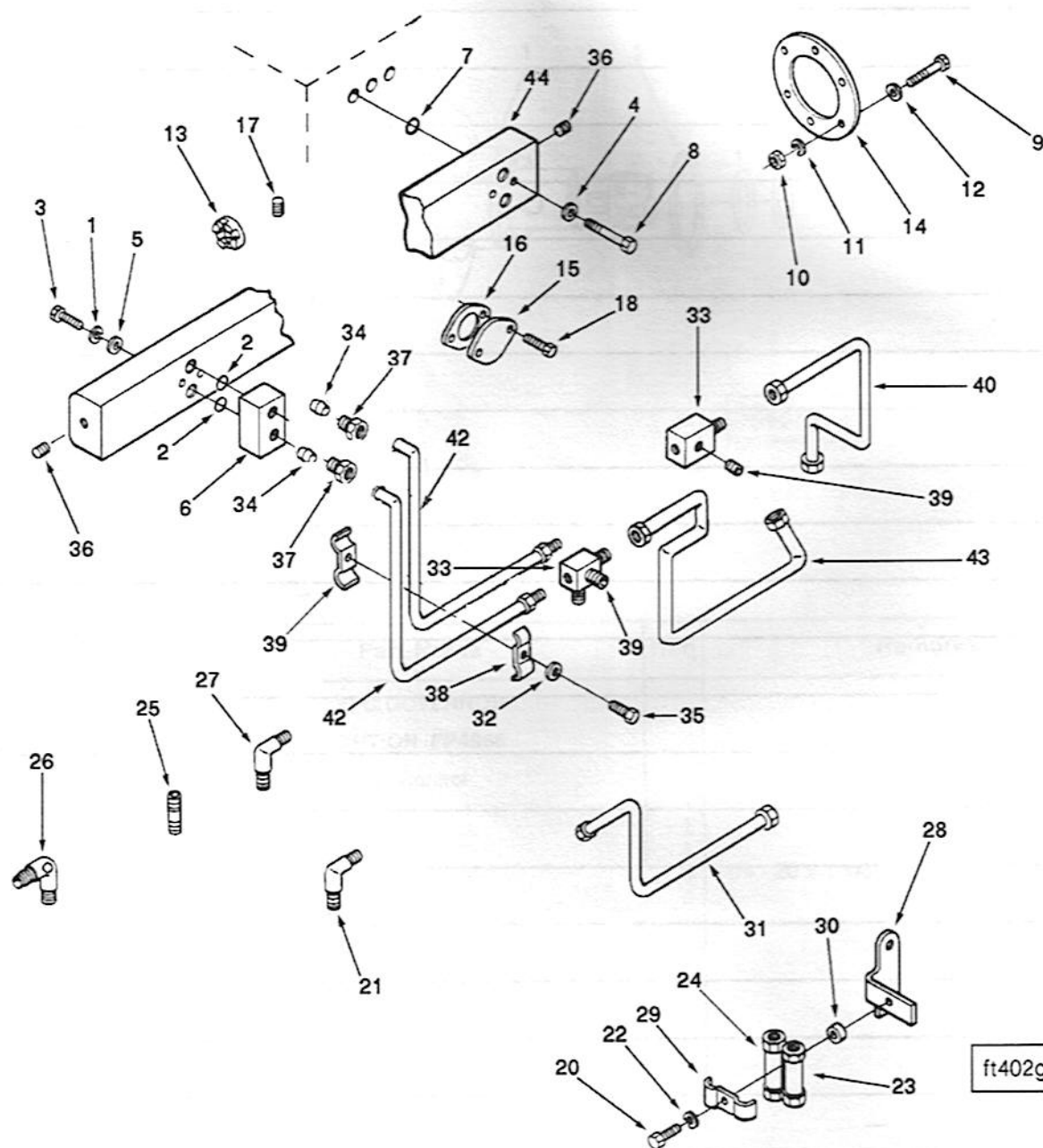


Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP DAMPER		
		OPTION FP4968		
	AR12110	Damper, Fuel Pump & Mtg	1	
	BM76340	Assembly, Fuel Pump Damper	1	
1	100099	Seal, Rectangular Ring	1	
2	139988	Seal, Rectangular Ring	1	
3	153336	Body, Fuel Pump Damper	1	
4	153338	Cover, Fuel Pump Damper	1	
5	160514	Washer, Plain	1	1/4 inch
6	202897	Diaphragm, Damper	1	
7	3017051	Capscrew, Captive Washer	2	1/4 - 20 x 1 1/8 inch
8	S-174-C	Capscrew, Socket Head	2	1/4 - 20 x 3 1/2 inch
9	70704	Washer, Plain	2	1/4 inch
10	151900	Seal, Rectangular Ring	1	
11	181466	Washer, Lock	2	1/4 inch

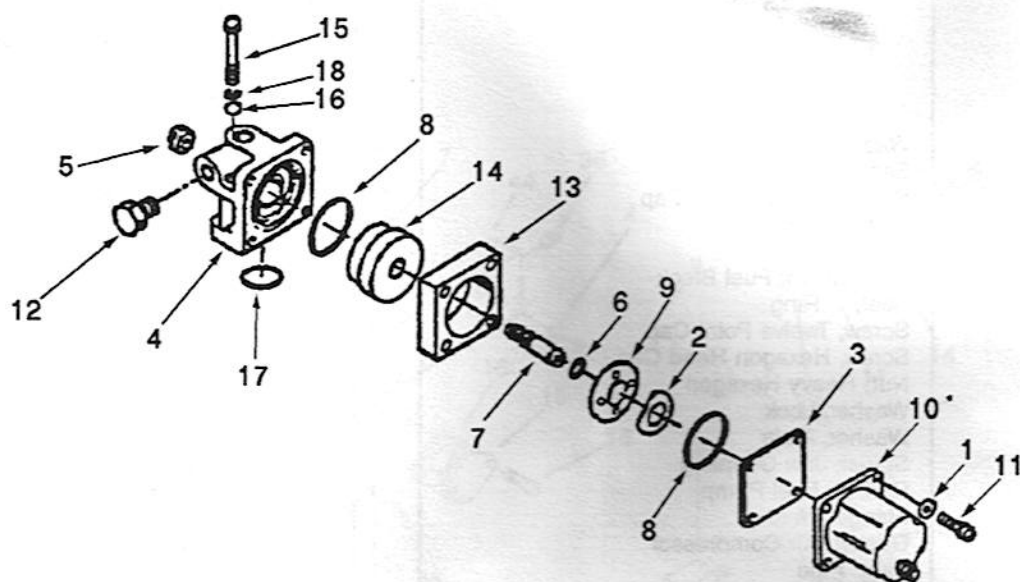


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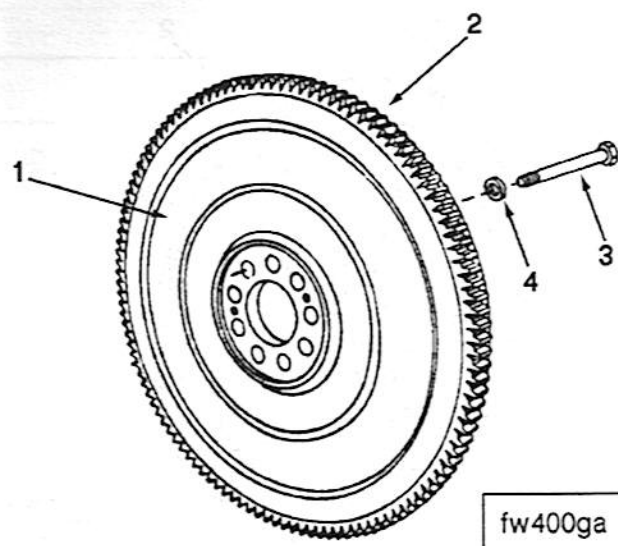
Ref No.	Part Number	Part Name	Req	Remarks
		EFC GOVERNOR		
		OPTION FP4968		
1	3085219	Actuator, ETR Fuel Control	1	
2	3048182	Seal, O Ring	1	
3	3042542	Seal, O Ring	1	
4	3042542	Seal, O Ring	1	
5	3017051	Screw, Captive Washer Cap	3	1/4 - 20 x 1 1/8 inch
6	70704	Washer, Plain	3	



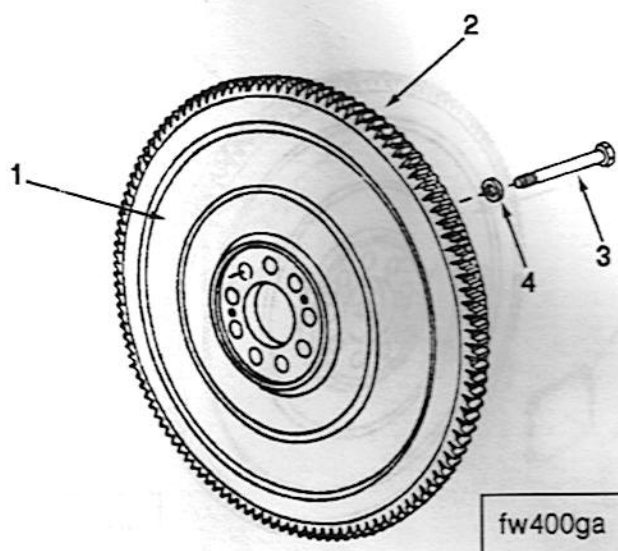
Ref No.	Part Number	Part Name	Req	Remarks
		FUEL TUBING		
		OPTION FT40050		
				Fuel tubing for front fuel block with non AFC/AUTO fuel pump, Cummins electric fuel control and check valves. Without air compressor. May be used with standard or high pressure solenoid valve.
1	S-607	Washer, Lock	2	
2	100478	Seal, O Ring	2	
3	118226	Screw, Socket Head Cap	2	3/16 - 24 x 1 1/4 inch
4	127018	Washer, Plain	12	
5	70620	Washer, Plain	2	
6	207442	Connection, Fuel Block	1	
7	3001340	Seal, O Ring	12	
8	3001811	Screw, Twelve Point Cap	12	1/4 - 20 x 1 inch
9	S-140	Screw, Hexagon Head Cap	4	7/16 - 14 x 1 3/4 inch
10	S-217	Nut, Heavy Hexagon	4	
11	S-610	Washer, Lock	4	
12	69324	Washer, Plain	4	
13	3046200	Spider, Jaw Coupling	1	
14	3069103	Gasket, Fuel Pump	1	
15	207112	Flange, Weld	1	
16	207117	Gasket, Air Compressor	1	
17	3025460	Plug, Pipe	1	
18	3014766	Screw, Captive Washer Cap	2	3/8 - 16 x 1 inch
20	S-156-B	Screw, Hexagon Head Cap	1	
21	181213	Elbow, Plain Adapter	1	
22	70704	Washer, Plain	1	
23	3028324	Valve, Check	1	
24	3028325	Valve, Check	1	
25	3032872	Union, Male	2	
26	3201391	Elbow, Male Union	1	
27	3033024	Elbow, Male Union	1	
28	3200069	Bracket, Check Valve	1	
29	3200070	Brkt Check Vlv	1	
30	3201614	Spacer, Mounting	1	
31	3200103	Tube, Fuel Supply	1	
32	127362	Washer, Plain	2	
33	176288	Tee, Female Adapter	2	
34	3002150	Seal, Ferrule	2	
35	3078053	Screw, Captive Washer Cap	2	
37	3031404	Connector, Tube	2	
38	3200386	Clamp, Tube	2	
39	3200387	Clamp, Tube	2	
40	3200405	Tube, Fuel Supply	1	
42	3201115	Tube, Fuel Supply	2	
43	3201737	Tube, Fuel Drain	1	
44	207441	Manifold, Fuel	1	
36	217631	Plug, Pipe	4	



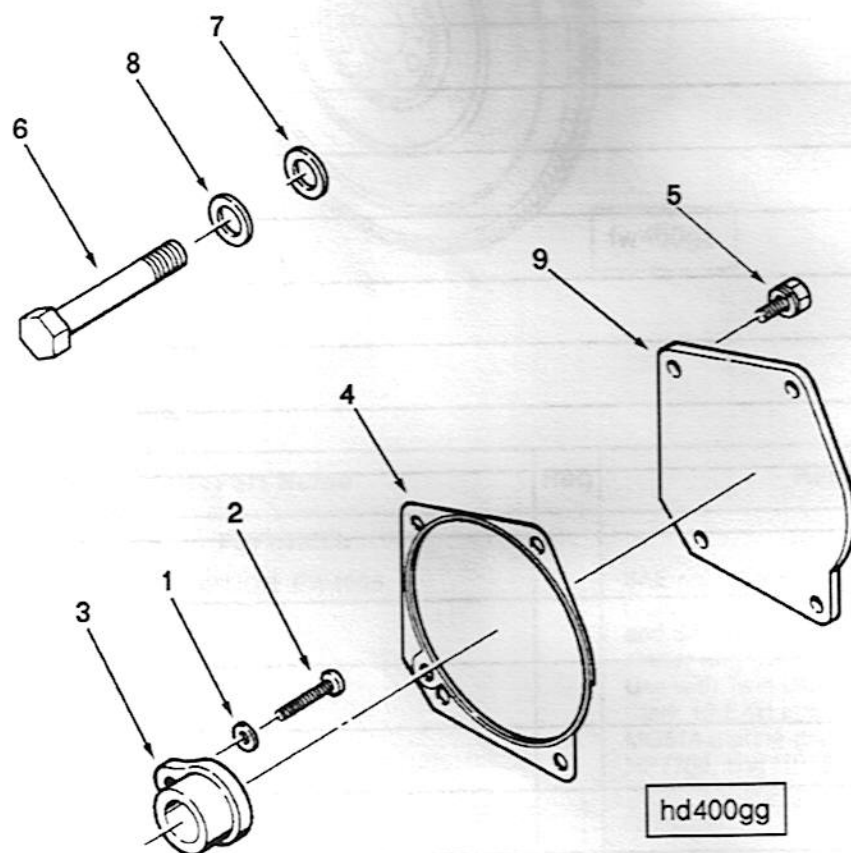
Ref No.	Part Number	Part Name	Req	Remarks
		FUEL SHUTOFF VALVE		
		OPTION FV8012		
				24volt DC rapid restart fuel valve sugg for automatic cranking system.
1	3018453	Valve, Shutoff	1	
2	S-607	Washer, Lock	4	
3	129768	Spring, Valve	1	
4	129839	Shield, Shutoff Valve	1	
5	129886	Body, Shutoff Valve	1	
6	129838	Knob	1	
7	3279794	Seal, O Ring	1	
8	3000266	Shaft, Shutoff Valve	1	
9	129888	Seal, Rectangular Ring	2	
10	196057	Disc, Valve	1	
11	3054609 •	Solenoid	1	
12	3018047	Screw, Fillister Head Cap	4	
13	3025458	Plug, Pipe	1	
14	3034451	Housing, Actuator	1	
15	3034452	Disc, Actuator	1	
16	S-189-C	Screw, Socket Head Cap	2	
17	67684	Washer, Plain	2	
18	154087	Seal, Rectangular Ring	1	
	181466	Washer, Lock	2	



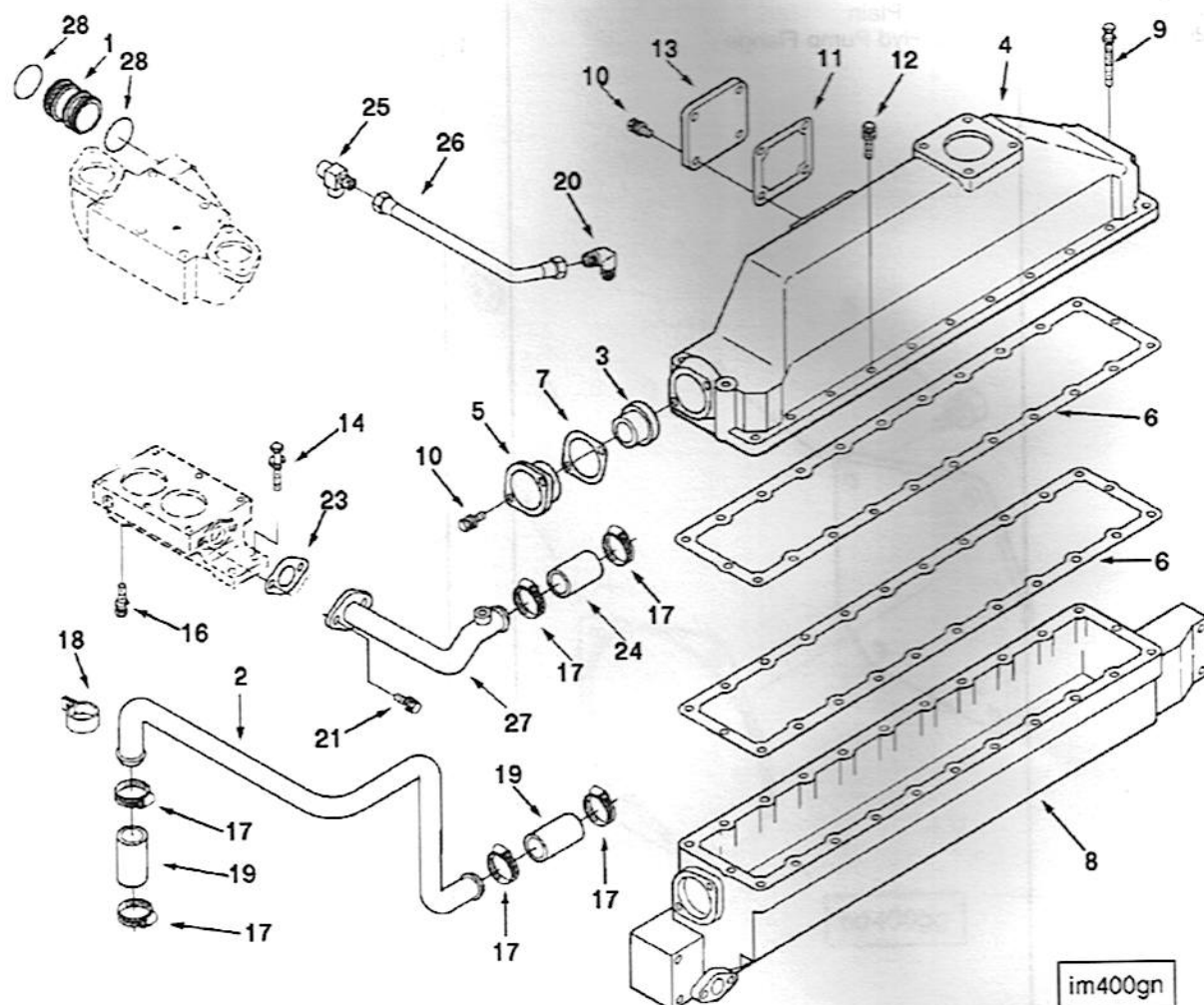
Ref No.	Part Number	Part Name	Req	Remarks
		FLYWHEEL OPTION FW4001		
1	3024103 (3005582)	Flywheel	1	SAE #0 flywheel and ring gear for mounting SAE #18 generator drive disc or over center clutch. Use with Twin Disc MG521 and MG527 gears. Right hand engine starter rotation.
2	5566	Flywheel	1	
3	207386	Gear, Flywheel Ring	1	
4	200861	Screw, Head Locking	9	
		Washer, Plain	9	



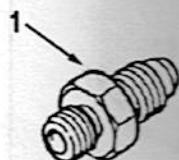
Ref No.	Part Number	Part Name	Req	Remarks
		FLYWHEEL OPTION FW4006		SAE no. '0' flywheel for use with 14 inch (355.60mm) over center clutch adaptation and SAE no. '0' flywheel housing. Include starter ring gear for right hand engine rotation. Use with Twin Disc series 1850 converter, Clark 19 BKH industrial converters, Twin MG514 marine gear and Capitol HP6900 HP7700, and HP28000 marine gears.
1	3024105 (3005581)	Flywheel	1	
2	5566	Flywheel	1	
3	207386	Gear, Flywheel Ring	1	
4	200861	Screw, Head Locking	9	
		Washer, Plain	9	



Ref No.	Part Number	Part Name	Req	Remarks
		COVER PLATE OPTION HD4067		Cover plate for rear of front gear cover when no hydraulic pump drive provision is specified.
1	S-604	Washer, Lock	1	
2	S-103-D	Screw, Hexagon Head Cap	1	3/8 - 16 x 1 1/4 inch
3	3003123	Insert, Pump Drive	1	
4	3007380	Gasket, Hydraulic Pump	1	
5	3012472	Screw, Captive Washer Cap	4	3/8 - 16 x 1 1/2 inch
6	S-123-A	Screw, Hexagon Head Cap	1	5/8 - 18 x 2 inch
7	3017346	Washer, Plain	1	
8	3200772	Washer, Plain	1	
9	3201609	Cover, Hyd Pump Flange	1	

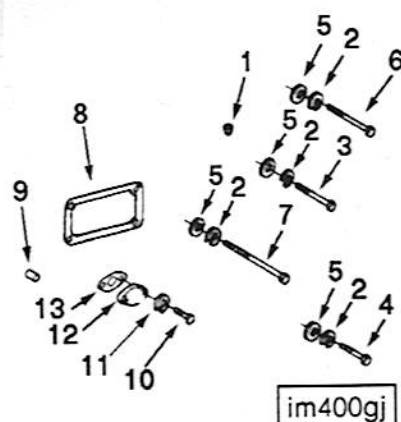


Ref No.	Part Number	Part Name	Req	Remarks
		INTAKE MANIFOLD		
		OPTION IM4006		
				Aftercooled intake manifold. For use on 1 piece gear cover engines.
1	207378	Tube, Water Transfer	1	
2	3002179	Tube, Water Transfer	1	
3	206808	Seal, Grommet	2	
4	3070889	Cover, Aftercooler	1	
5	3001301	Retainer, Seal	2	
6	3001304	Gasket, Aft Housing	2	
7	3001305	Gasket, Connection	2	
8	3069837	Housing, Aftercooler	1	
9	3011829	Screw, Captive Washer Cap	3	3/8 - 16 x 4.94 inch
10	3014766	Screw, Captive Washer Cap	8	3/8 - 16 x 1 inch
11	3032161	Gasket, Connection	1	
12	3042889	Screw, Captive Washer Cap	21	3/8 - 16 x 1.87 inch
13	3200783	Plate, Cover	1	
14	3060567	Screw, Captive Washer Cap	2	3/8 - 16 x 2.75 inch
16	3012472	Screw, Captive Washer Cap	2	3/8 - 16 x 1 1/2 inch
17	209773	Clamp, Hose	6	
18	3010922	Clip	1	
19	3818271	Hose, Plain	2	
20	144372	Elbow, Male Adapter	1	
21	3010595	Screw, Captive Washer Cap	2	3/8 - 16 x 1 inch
23	3010926	Gasket, Flange	1	
24	3017276	Hose, Plain	1	
25	3175687	Tee, Street Pipe	1	
26	3201384	Tube, Vent	1	
27	3201401	Connection, Water Transfer	1	
28	3028291	Seal, O Ring	2	

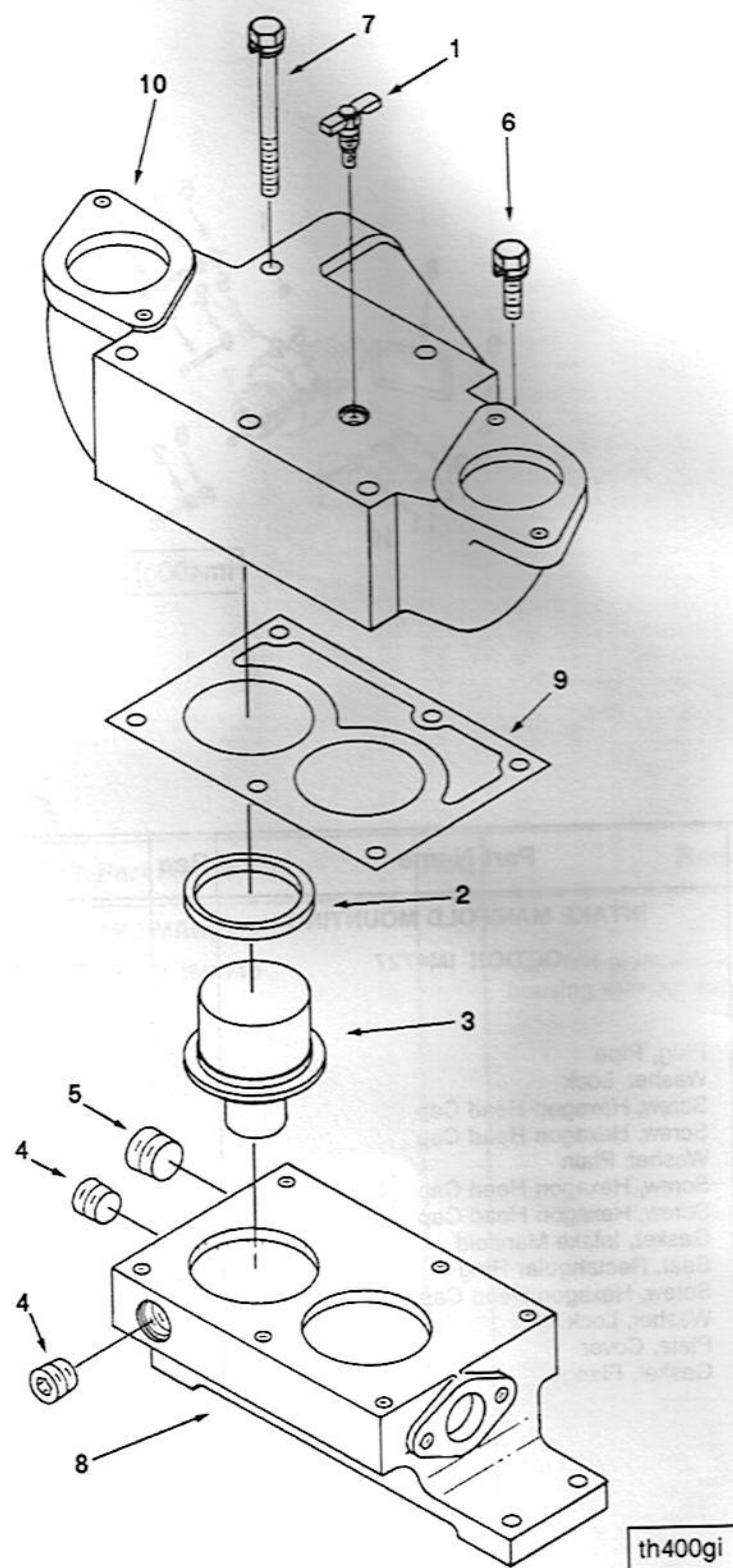


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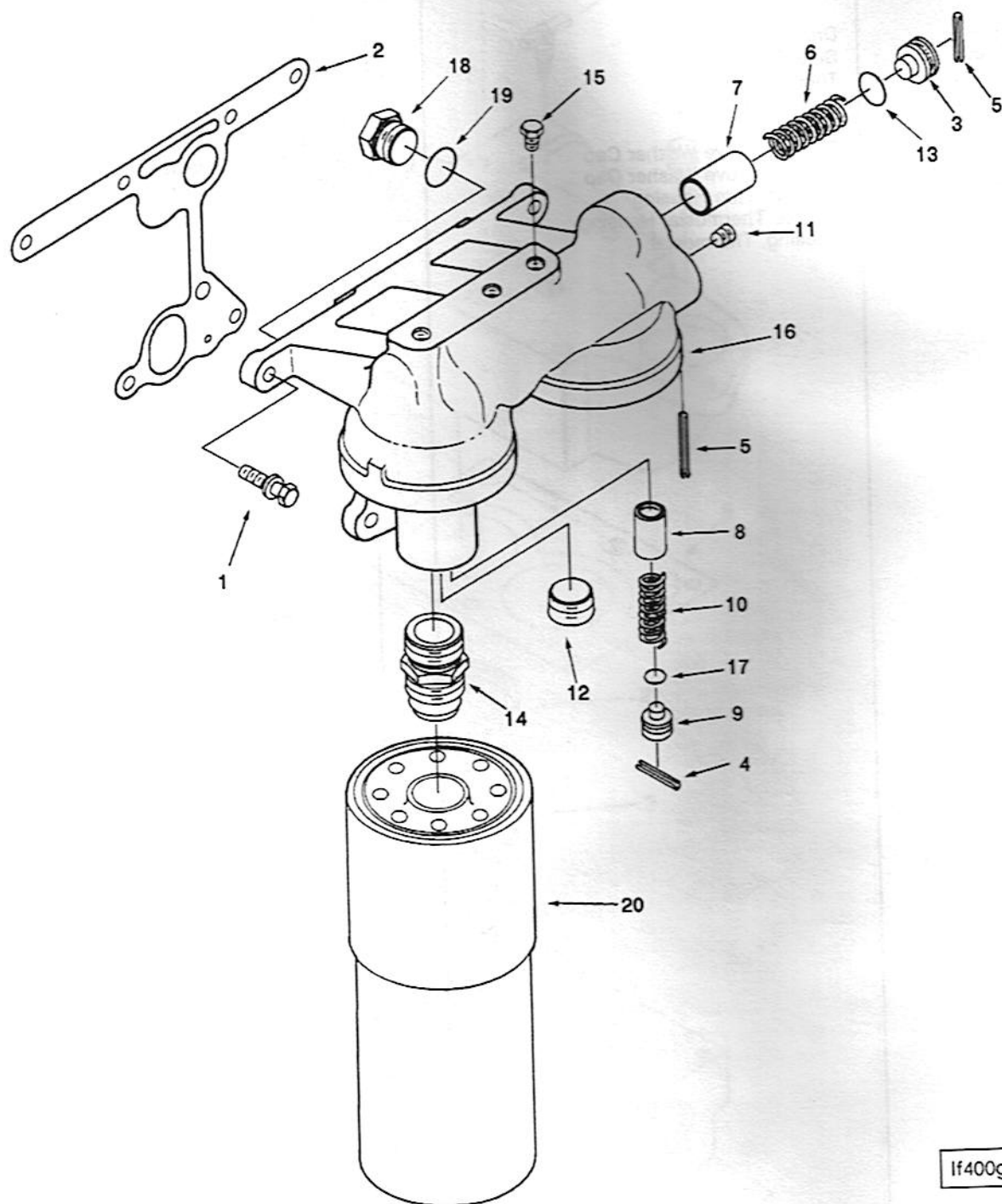
Ref No.	Part Number	Part Name	Req	Remarks
1	143950	INTAKE MANIFOLD OPTION IM4716 Connector, Male	1	Vent line plumbing for KT/ KTA thermos housing with out expansion tank.



Ref No.	Part Number	Part Name	Req	Remarks
		INTAKE MANIFOLD MOUNTING OPTION IM4727		
1	3008466	Plug, Pipe	2	Mounting for aftercooled intake manifold. For use with non AFC fuel pump. Without air compressor inlet plumbing and noise panels.
2	S-604	Washer, Lock	24	
3	103271	Screw, Hexagon Head Cap	12	
4	123204	Screw, Hexagon Head Cap	2	
5	127362	Washer, Plain	24	
6	137868	Screw, Hexagon Head Cap	2	
7	137872	Screw, Hexagon Head Cap	8	
8	206277	Gasket, Intake Manifold	6	
9	3014304	Seal, Rectangular Ring	12	
10	S-103-D	Screw, Hexagon Head Cap	2	
11	S-604	Washer, Lock	2	
12	3011693	Plate, Cover	1	
13	3201388	Gasket, Flange	1	



Ref No.	Part Number	Part Name	Req	Remarks
		THERMOSTAT HOUSING ASSY OPTION IM4738		Thermostat housing assembly for use with aftercooled intake manifold. Includes thermostats.
1	S-962-E	Draincock	1	
2	186780	Seal, Thermostat	2	
3	3076489	Thermostat	2	
4	3008468	Plug, Pipe	3	1/2 NPT.
5	3008469	Plug, Pipe	2	3/4 NPT.
6	3010596	Screw, Captive Washer Cap	1	3/8 - 16 x 1 1/4 inch
7	3010597	Screw, Captive Washer Cap	5	3/8 - 16 x 3 3/4 inch
8	3010916	Support, Thm Housing	1	
9	3010918	Gasket, Thermostat Housing	1	
10	3010933	Housing, Thermostat	1	

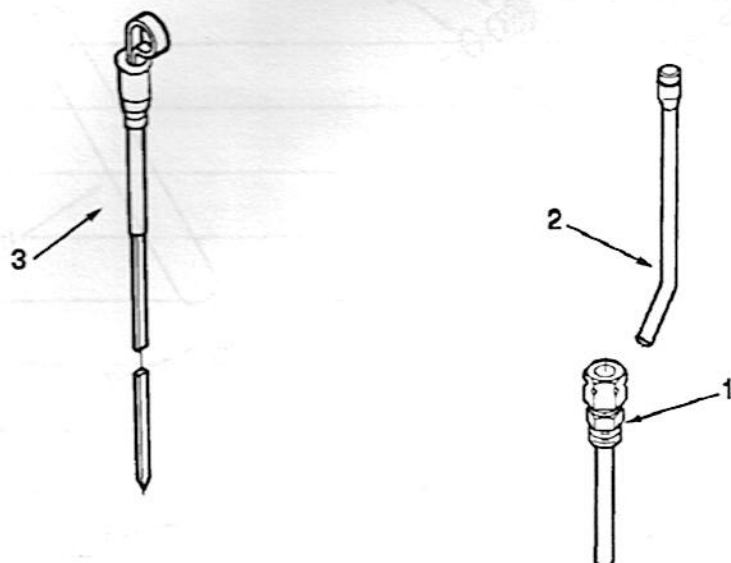


Ref No.	Part Number	Part Name	Req	Remarks
		BY-PASS FILTER		
		OPTION LF4011		
				Dual spin on oil filters mounted high and to the rear of block on fuel pump side.
1	3040838	Screw, Captive Washer Cap	6	3/8 - 16 x 1 1/4 inch
2	3200977	Gasket, Lub Oil Fil Cover	1	
3	69533	Stop, Actuator	1	
4	161737	Pin, Roll	1	
5	205345	Pin, Roll	2	
6	205346	Spring, Compression	1	
7	205347	Plunger, Bypass Valve	1	
8	205348	Plunger, Pst Cooling Valve	1	
9	205350	Plug, Retainer	1	
10	3007170	Spring, Piston Cool Vlv	1	
11	3008466	Plug, Pipe	1	
12	3008470	Plug, Pipe	1	
13	3029820	Seal, O Ring	1	
14	3034578	Adapter, Filter Head	2	
15	3025458	Plug, Pipe	3	
16	3202156	Head, Lub Oil Filter	1	
17	3201125	Seal, O Ring	1	
18	3201583	Plug, Threaded	2	
19	3201585	Seal, O Ring	1	
20	3889381	Element, Lub Oil Filter	2	



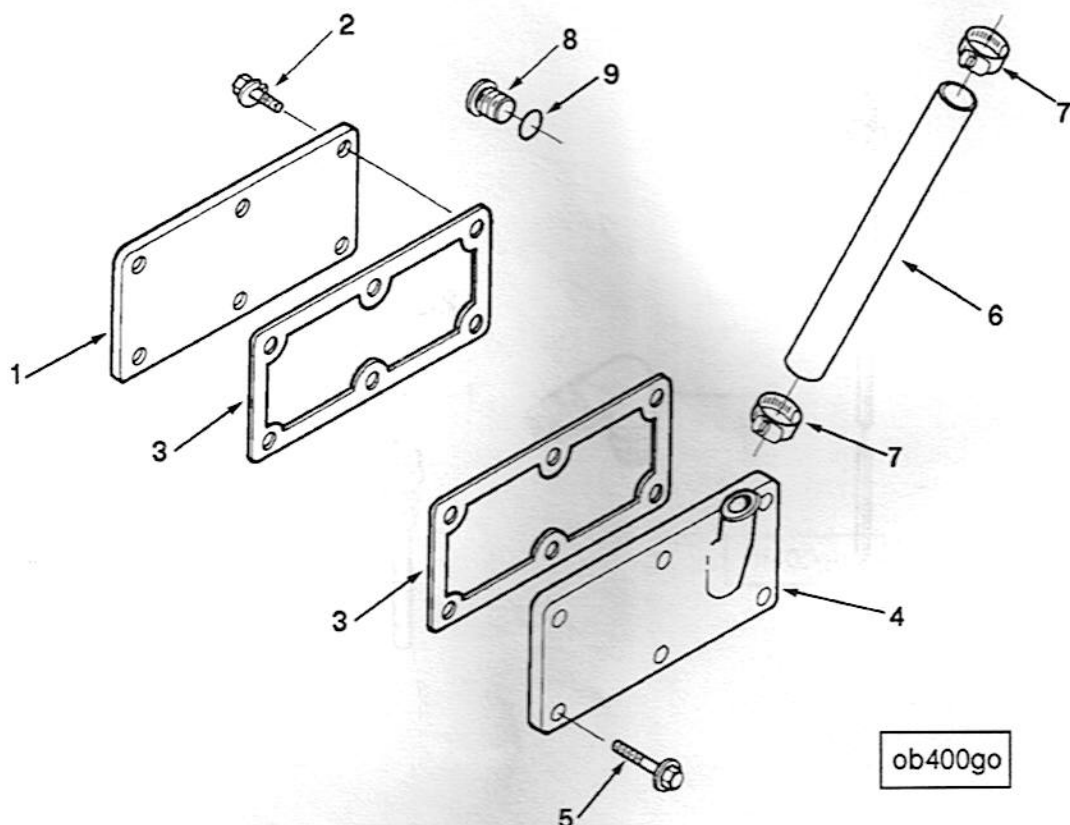
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Ref No.	Part Number	Part Name	Req	Remarks
		OIL FILTER CONNECTOR OPTION LF4702		
1	3086375	Bushing, Reducing Pipe	1	Connector for use with hydraulic variable timing, less oil bypass filter when lub oil f are mounted on the fuel pump side.
2	S-1040-A	Elbow, Male Adapter	1	

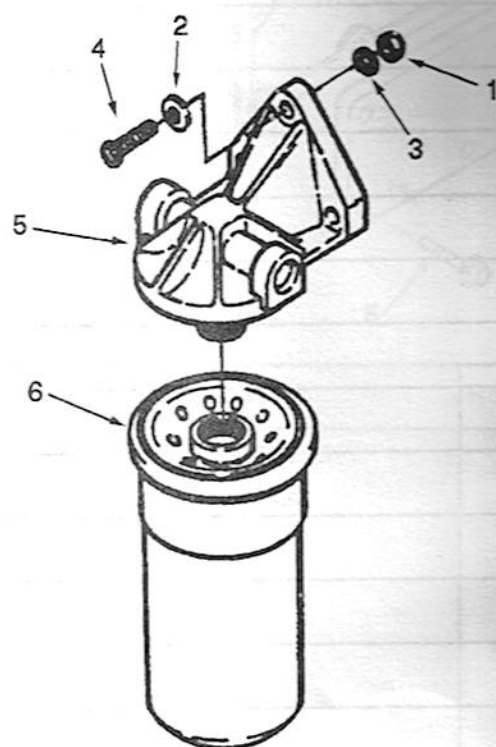


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Ref No.	Part Number	Part Name	Req	Remarks
		GAUGE, OIL LEVEL OPTION LG4031		14.3 inch tube and dipstick combination. Calibrated for 0 degree power angle and 0 degree tilt. Acceptable locations verses oil pans are: (1) Front oil pan adapter boss fuel pump side used with shallow front or shallow center front sump oil pans. (2) Rear oil pan adapter boss fuel pump side used with shallow rear oil pan.
1	3000508	Tube, Oil Gauge	1	
2	3064810	Tube, Oil Gauge	1	
3	216484	Dipstick	1	

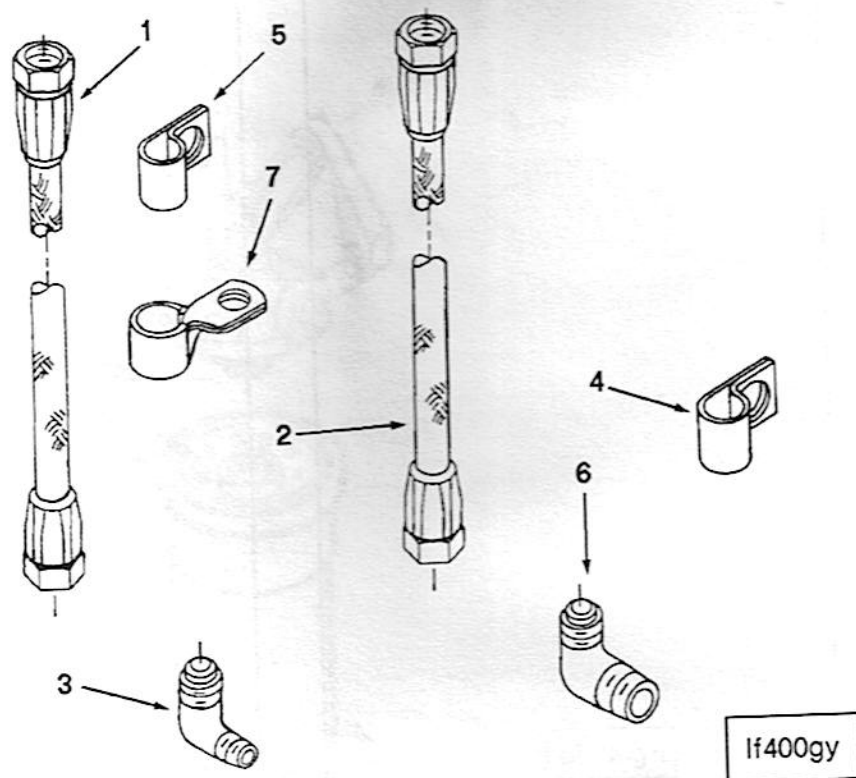


Ref No.	Part Number	Part Name	Req	Remarks
		HAND HOLE COVERS		
		OPTION OB4838		
1	3201060	Cover, Hand Hole	2	Hand hole covers used when the dipstick is located in the front or rear oil pan adapter boss fuel pump side or adapter boss external side with oil fill location on cam follower
2	3010596	Screw, Captive Washer Cap	12	3/8 - 16 x 1 1/4 inch
3	3042586	Gasket, Hand Hole	3	
4	3069847	Cover, Hand Hole	1	
5	3010595	Screw, Captive Washer Cap	6	3/8 - 16 x 1 inch
6	AS1602000NF	Hose	1	
7	43828-A	Clamp, Hose	2	
	3046202	Plug, Threaded	2	
8	(3040810)	Plug, Threaded	1	
9	3046201	Seal, O Ring	1	

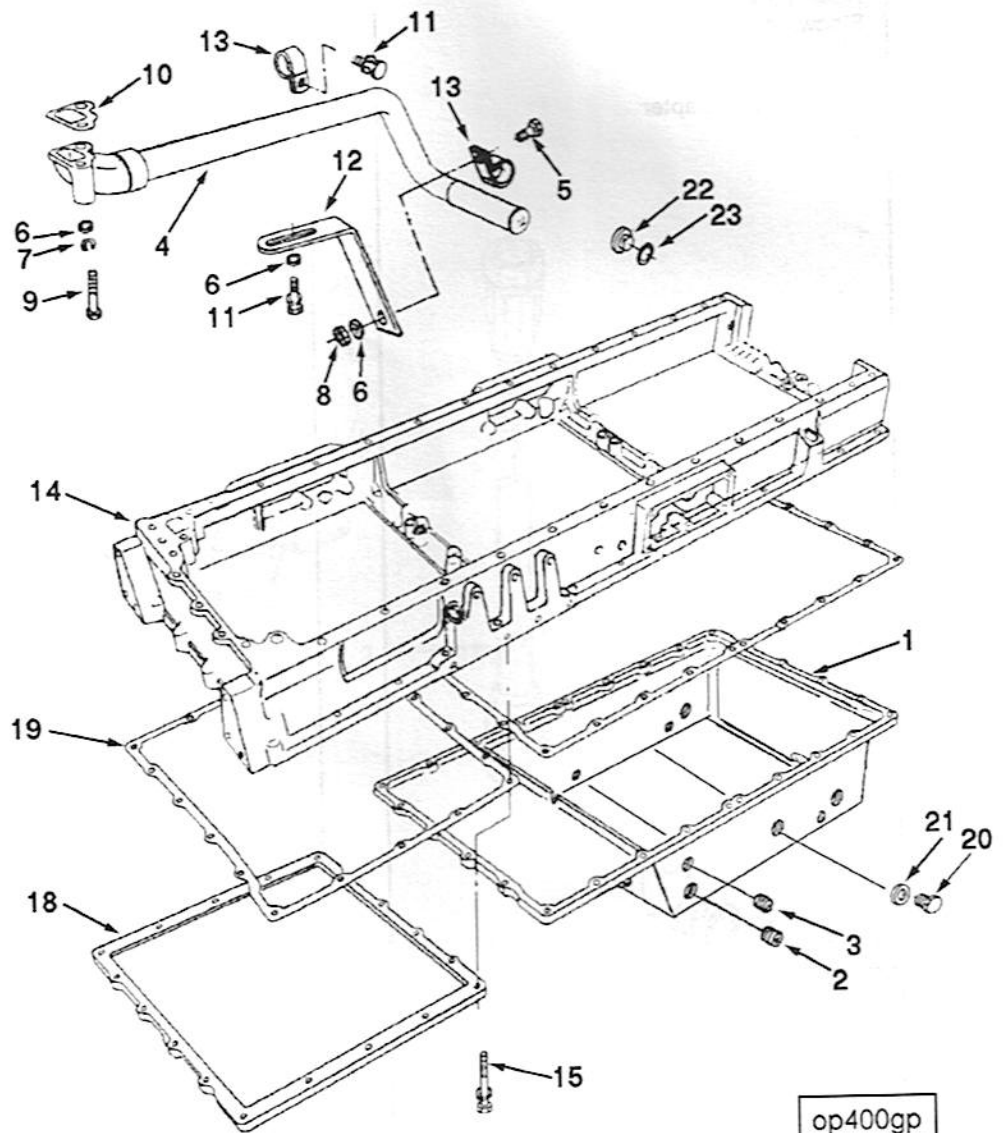


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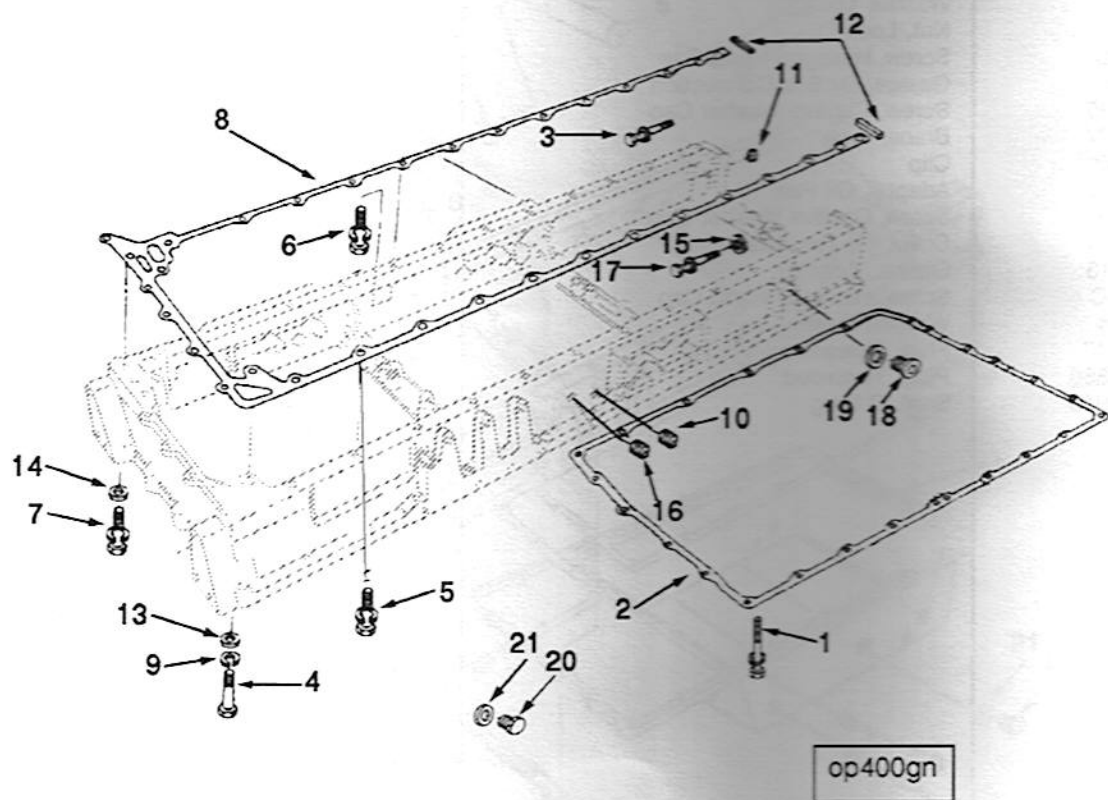
Ref No.	Part Number	Part Name	Req	Remarks
		BYPASS OIL FILTER OPTION OF4008		Spin-on bypass filter mounted on back side (flywheel side) of air cleaner bracket, exhaust side and below air cleaner.
1	S-223	Nut, Heavy Hexagon	3	
2	S-602	Washer, Plain	3	
3	S-604	Washer, Lock	3	
4	108707	Screw, Hexagon Head Cap	3	
5	3304173	Head, Lub Oil Filter	1	
6	3313283	Element, Lub Oil Filter	1	



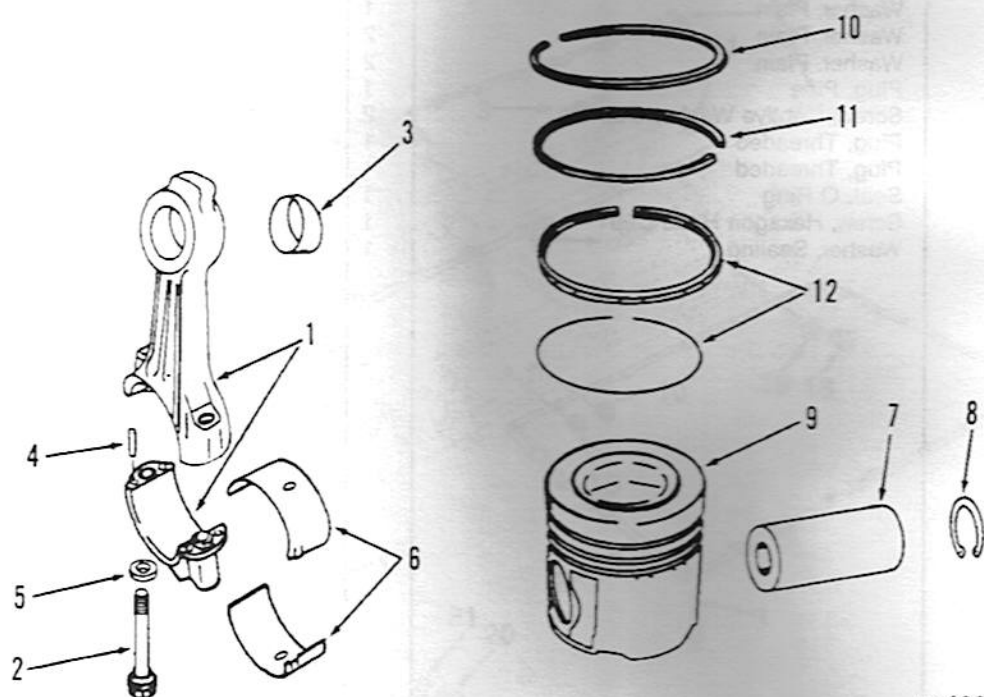
Ref No.	Part Number	Part Name	Req	Remarks
		OIL BYPASS FILTER PLUMBING OPTION OF4711		Plumbing with standard hose for spin-on oil by-pass filter mounted on the back side of the air cleaner bracket on the exhaust side and below the air cleaner, with lube oil filter mounted on the fuel pump side.
1	AK 6036 SS	Hose, Flexible	1	
2	AK 6062 SS	Hose, Flexible	1	
3	68645	Elbow, Male Adapter	2	
4	100269	Clip	1	
5	106221	Clip	2	
6	3629496	Elbow, Male Adapter	1	
7	152767	Clip	1	



Ref No.	Part Number	Part Name	Req	Remarks
		OIL PAN OPTION OP4019		Cast aluminum shallow rear sump oil pan. Includes oil pan adapter. Oil pan has oil drain and by-pass filter return on both sides. Has provisions for mounting of sight glass on fuel pump side of engine. Oil level 10gallons (38liter) high. 8.5gallons (32.3 liter) low. 30 degree angularity.
1	3202152	Pan, Oil	1	
2	3008468	Plug, Pipe	2	
3	3008470	Plug, Pipe	2	
4	3011049	Connection, Oil Suction	1	
5	3010593	Screw, Hexagon Head Cap	1	3/8 - 24 x 1 inch
6	108330	Washer, Plain	4	
7	S-610	Washer, Lock	2	
8	129069	Nut, Lock	1	
9	137890	Screw, Hexagon Head Cap	2	7/16 - 14 x 4 1/2 inch
10	3008403	Gasket, Oil Suc Connection	1	
11	3010595	Screw, Captive Washer Cap	2	3/8 - 16 x 1 inch
12	3065707	Brace, Tube	1	
13	3200706	Clip	2	
14	3202153	Adapter, Oil Pan	1	
15	3040838	Screw, Captive Washer Cap	18	3/8 - 16 x 1 1/4 inch
18	3070780	Cover, Oil Pan Adapter	1	
19	3073213	Gasket, Adapter	1	
20	S-181-C	Screw, Hexagon Head Cap	1	1/2 - 20 x 3/4 inch
21	130914	Washer, Sealing	1	
	3046942	Plug, Threaded	2	
22	3046869	Plug, Threaded	1	
23	3046943	Seal, O Ring	1	

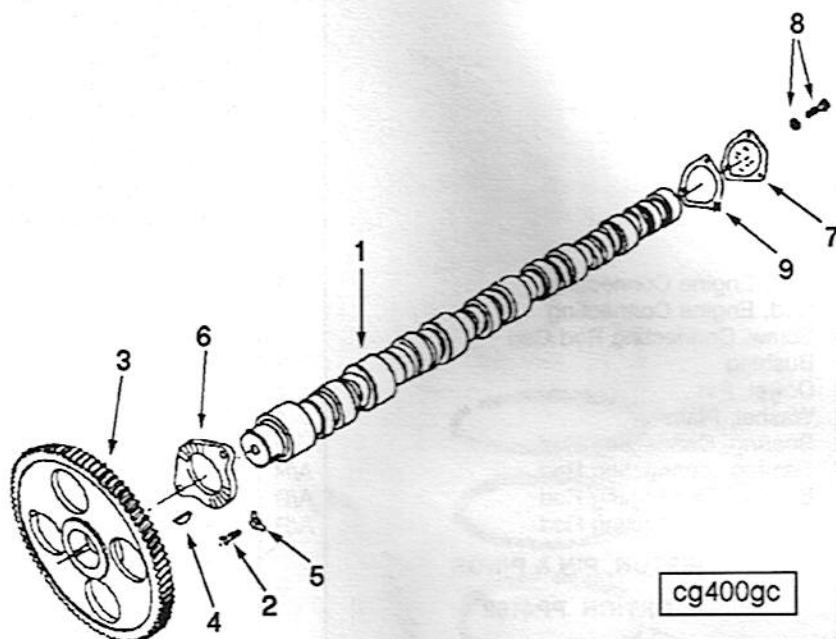


Ref No.	Part Number	Part Name	Req	Remarks
		OIL PAN		
		OPTION OP4716		Oil pan adapter mounting used less rear gear train. Gear cover plate design.
1	3065723	Screw, Captive Washer Cap	27	3/8 - 16 x 1 3/4 inch
2	3042590	Gasket, Oil Pan	1	
3	3035624	Screw, Captive Washer Cap	5	3/8 - 16 x 1 1/2 inch
4	137980	Screw, Hexagon Head Cap	1	9/16 - 12 x 3 1/4 inch
5	3012478	Screw, Captive Washer Cap	2	3/8 - 16 x 3 1/2 inch
6	3033038	Screw, Captive Washer Cap	28	3/8 - 16 x 1 3/4 inch
7	3040837	Screw, Captive Washer Cap	1	3/8 - 16 x 2 1/4 inch
8	3042587	Gasket, Oil Pan Adapter	1	
9	S-609	Washer, Lock	1	
10	3025460	Plug, Pipe	1	
11	153518	Seal, Rectangular Ring	4	
12	3069844	Seal, Rectangular Strip	2	
13	S-689	Washer, Plain	1	
14	127362	Washer, Plain	2	
15	S-622	Washer, Plain	2	
16	3013786	Plug, Pipe	1	
17	3012481	Screw, Captive Washer Cap	2	7/16 - 14 x 1 1/2 inch
	3046202	Plug, Threaded	1	
18	3040810	Plug, Threaded	1	
19	3046201	Seal, O Ring	1	
20	S-181-C	Screw, Hexagon Head Cap	1	
21	130914	Washer, Sealing	1	

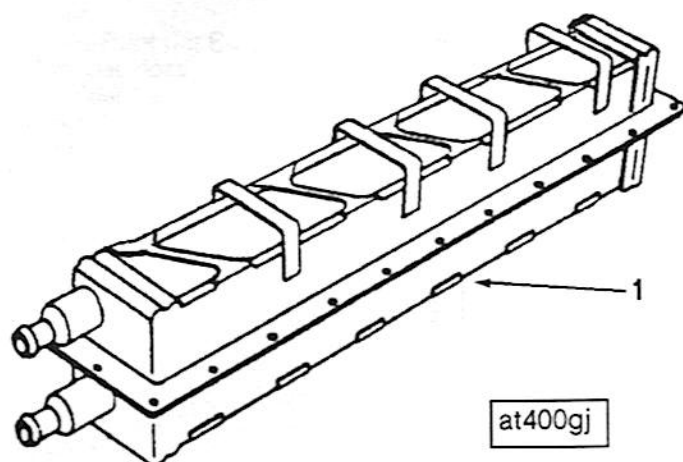


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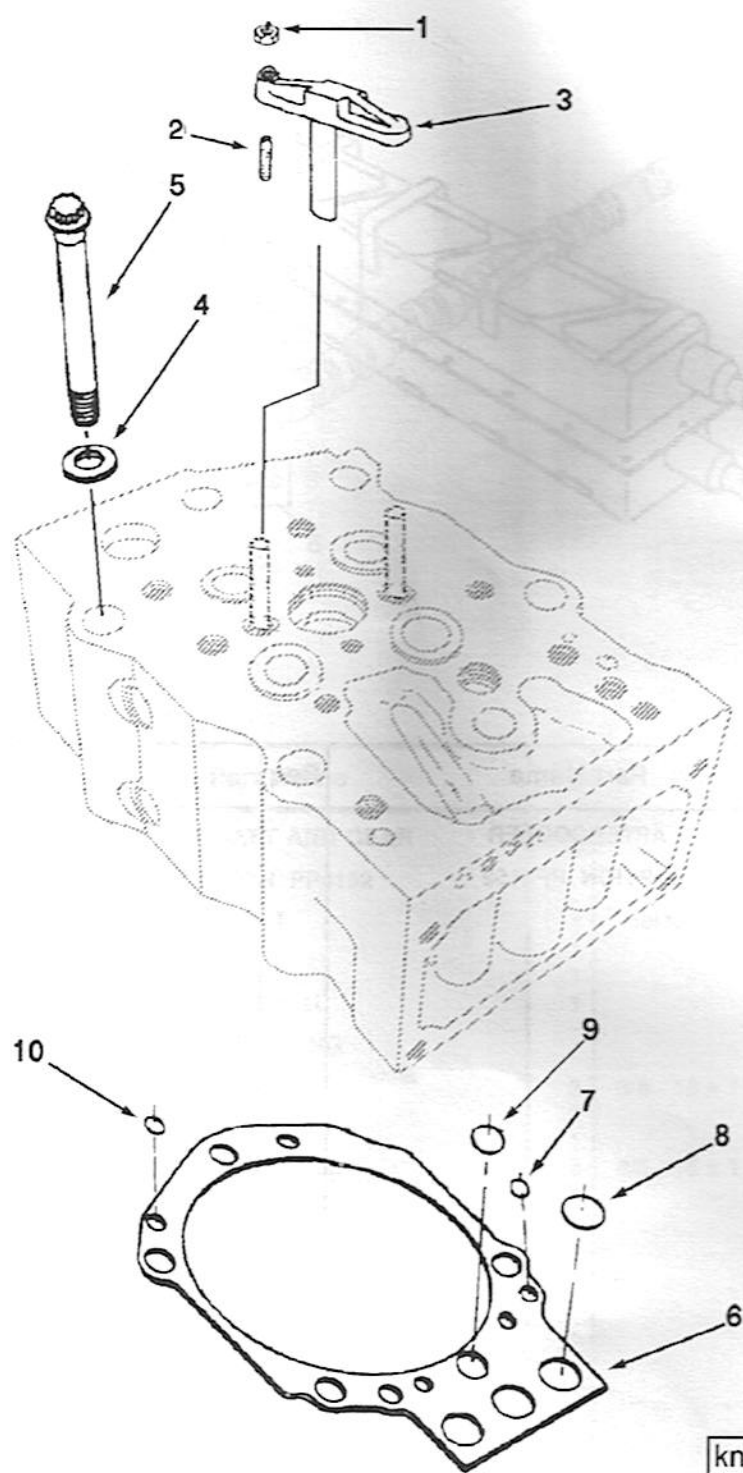
Ref No.	Part Number	Part Name	Req	Remarks
CONNECTING ROD OPTION PP4152				Performance parts for the KTA19-G4 (D193091DX02) rated at 755 HP @ 1800 RPM and 675 HP @ 1500 RPM. Includes hydro-mechanical STC, raw water pump drive capability, premium dual ni-resist pistons, tribaloy valves, tribaloy seats and valve rotators. For standby, prime power and continuous/base load applications. Certified by: non certified timing code IQ AFC: NO ASA: NO exhaust type: dry aftercooler: yes Ref CPL:4153
1	3043911	Rod, Engine Connecting	6	
	(3000791)	Rod, Engine Connecting	1	
2	3013265	Screw, Connecting Rod Cap	2	
3	3043909	Bushing	1	
4	69558	Dowel, Pin	4	
5	205126	Washer, Plain	2	5/8 inch
6	205840	Bearing, Connecting Rod	2	
6	205841	Bearing, Connecting Rod	A/R	.010 Inch oversize
6	205842	Bearing, Connecting Rod	A/R	.020 Inch oversize
6	205843	Bearing, Connecting Rod	A/R	.030 Inch oversize
PISTON, PIN & RINGS OPTION PP4152				
	3803312	Kit, Engine Piston	6	
7	205200	Pin, Piston	1	
8	205269	Ring, Retaining	2	
9	(3070703)	Piston, Engine	1	
	3803472	Set, Piston Ring	6	
10	3070589	Ring, Compression Piston	1	Top
11	3026595	Ring, Compression Piston	1	Intermediate
12	3025451	Ring, Oil Piston	1	



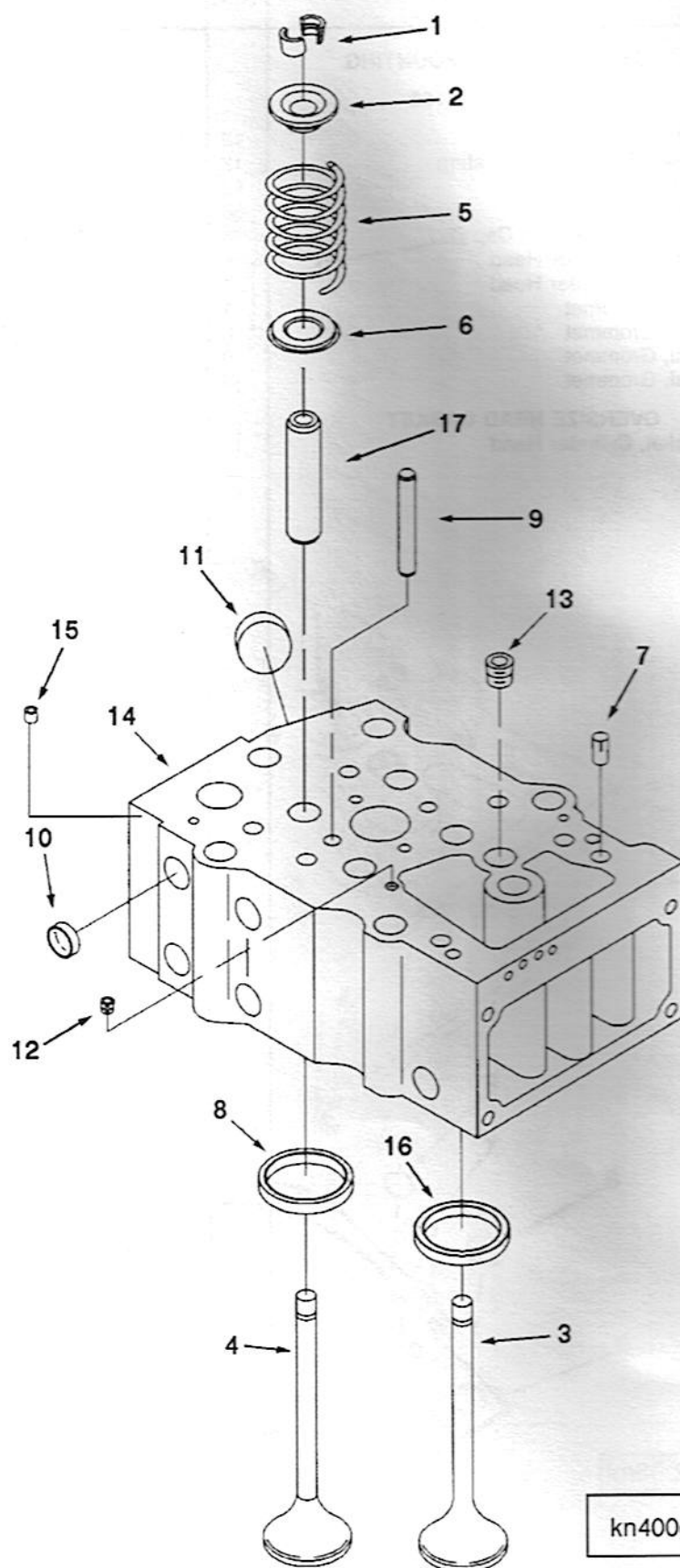
Ref No.	Part Number	Part Name	Req	Remarks
		CAMSHAFT AND GEAR		
		OPTION PP4152		
1	3076767	Camshaft	1	
3	3008970	Gear, Camshaft	1	
4	216294	Key, Offset Woodruff	1	
6	3007971	Bearing, Camshaft Thrust	1	
		MOUNTING		
2	S-112	Screw, Hexagon Head Cap	2	3/8 - 16 x 1 inch
5	68908	Lockplate	2	
7	207373	Cover, Camshaft	1	
8	3014766	Screw, Captive Washer Cap	3	3/8 - 16 x 1 3/64 inch
9	3040722	Gasket, Camshaft Cover	1	



Ref No.	Part Number	Part Name	Req	Remarks
1	3001299	AFTERCOOLER OPTION PP4152 Core, Aftercooler	1	

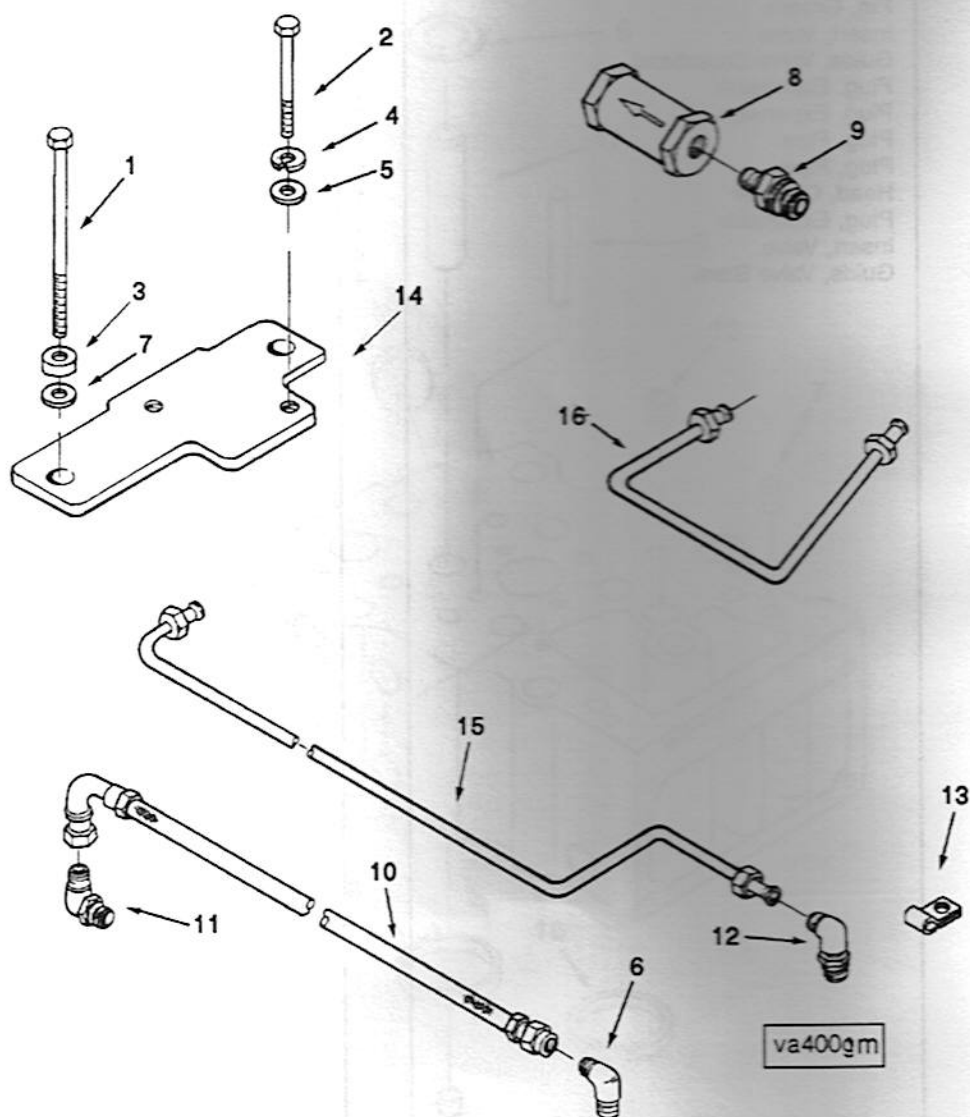


Ref No.	Part Number	Part Name	Req	Remarks
		CYLINDER HEAD MOUNTING		
		OPTION PP4152		
1	203131	Nut, Heavy Hexagon	12	3/8 - 24 UNF
2	3032697	Screw, Crosshead Adjusting	12	
3	3048620	Crosshead, Valve	12	
4	205059	Washer, Plain	36	3/4 inch
5	3032633	Screw, Twelve Point Cap	36	3/4 - 16 X 8 inch
6	3177412	Gasket, Cylinder Head	6	
	(205479)	Gasket, Cylinder Head	1	
7	205852	Seal, Grommet	1	
8	205855	Seal, Grommet	3	
9	205858	Seal, Grommet	6	
10	207448	Seal, Grommet	4	
		OVERSIZE HEAD GASKET		
	3628462	Gasket, Cylinder Head	1	.020 Inch Oversize

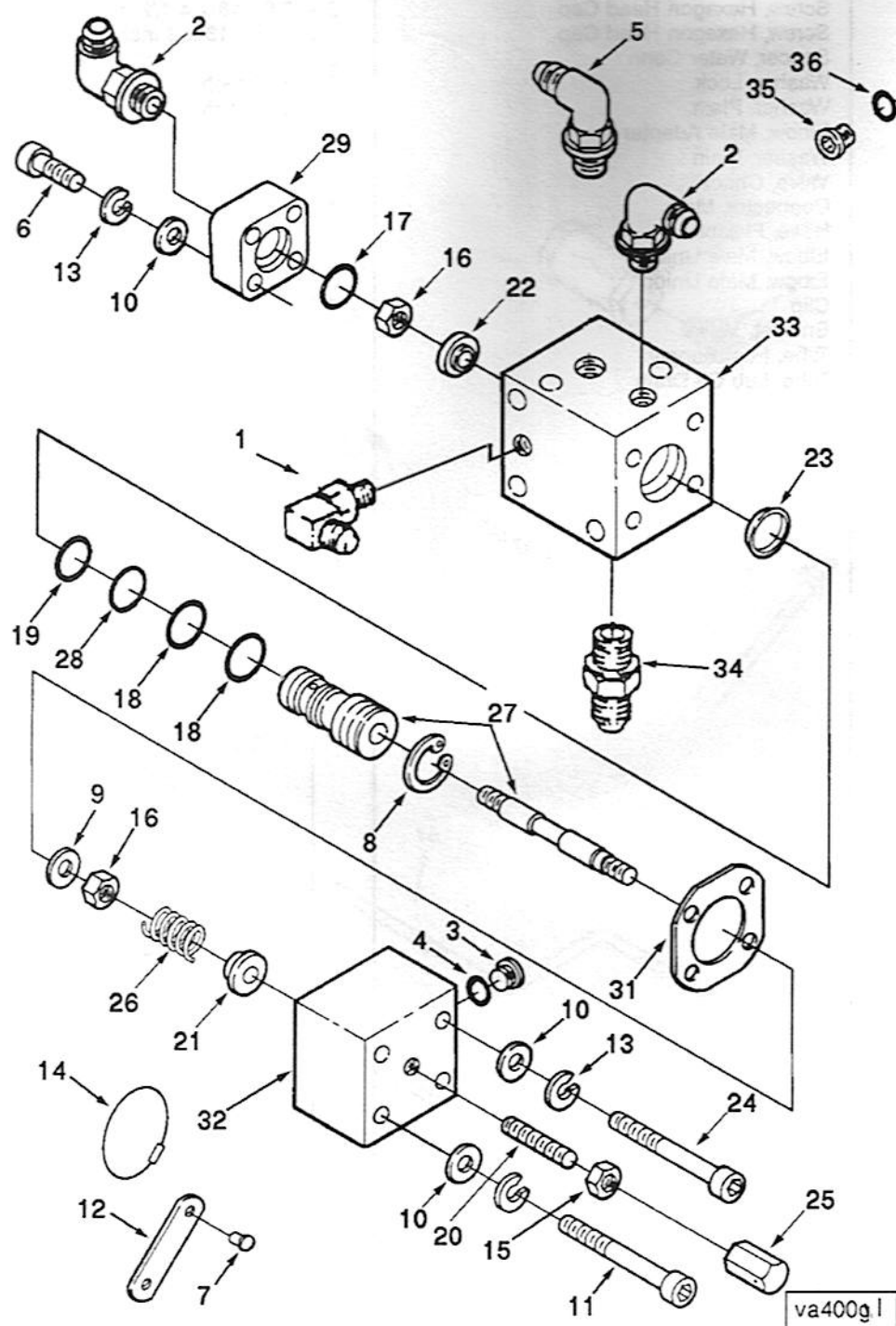


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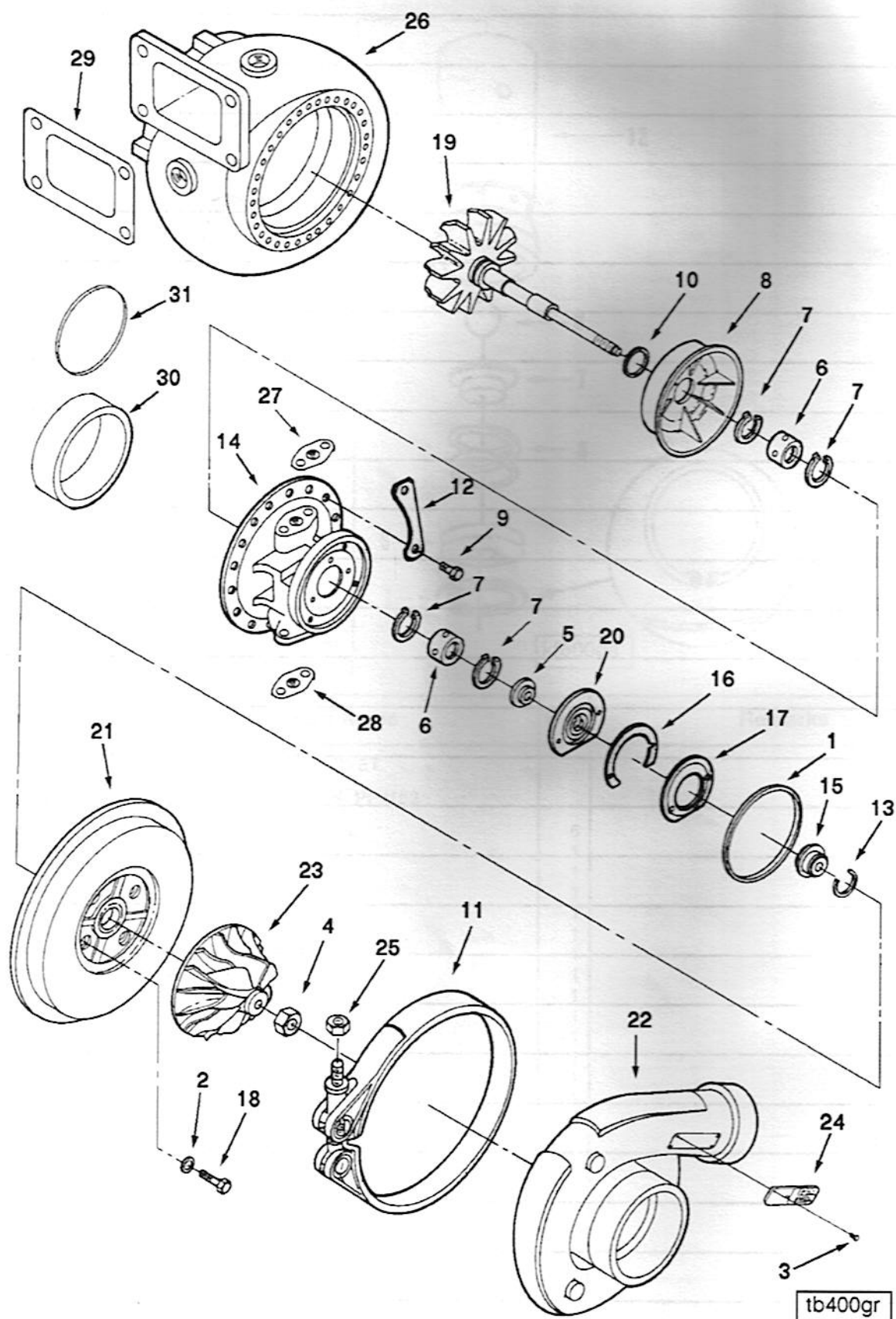
Ref No.	Part Number	Part Name	Req	Remarks
		HEAD, CYLINDER OPTION PP4152		
	3081070	Head, Cylinder	6	
1	205091	Collet, Valve	8	
2	205094	Retainer, Valve Spring	4	
3	3052820	Valve, Intake	2	
4	3088389	Valve, Exhaust	2	
5	3629007	Spring, Valve	4	
6	3081081	Rotator, Valve	4	
7	68445	Pin, Groove	2	
8	205093	Insert, Valve	2	
9	205169	Guide, Valve Crosshead	2	
10	205401	Plug, Expansion	8	
11	206224	Plug, Expansion	2	
12	67622	Plug, Pipe	1	3/8 NPT
13	S-915-A	Plug, Pipe	1	1/2 NPT
14	3081064	Head, Cylinder	1	
15	203933	Plug, Expansion	1	
16	3052819	Insert, Valve	2	
17	3202210	Guide, Valve Stem	4	



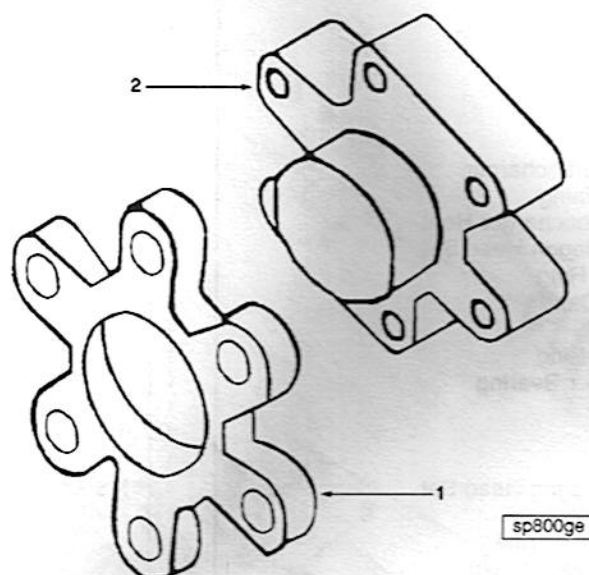
Ref No.	Part Number	Part Name	Req	Remarks
OIL CONTROL VALVE OPTION PP4152				
1	137868	Screw, Hexagon Head Cap	2	3/8 - 16 x 4 1/2 inch
2	S-185-A	Screw, Hexagon Head Cap	2	5/16 - 18 x 3 inch
3	63385	Spacer, Water Conn	2	
4	S-605	Washer, Lock	2	5/16 inch
5	S-626	Washer, Plain	2	5/16 inch
6	68645	Elbow, Male Adapter	1	
7	S-602	Washer, Plain	2	3/8 inch
8	178079	Valve, Check	1	
9	3017115	Connector, Male	1	
10	3035580	Hose, Flexible	2	
11	3037535	Elbow, Male Union	1	
12	3037662	Elbow, Male Union	3	
13	180371	Clip	2	
14	3088375	Bracket, Valve	1	
15	3070947	Tube, Fuel Supply	1	
16	3070949	Tube, Lub Oil Drain	1	



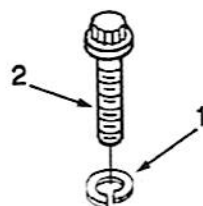
Ref No.	Part Number	Part Name	Req	Remarks
STC VALVE OPTION PP4152				
1	3063023	Valve, Oil Check	1	
2	3037662	Elbow, Male Union	2	
3	3040814	Plug, Threaded	1	7/16 - 20 UNF
4	3036666	Seal, O Ring	1	
5	3037535	Tee, Male Union	1	
	3086455	Valve, Oil Control	1	
6	3075637	Screw, Socket Head Cap	4	
7	S-2286	Screw, Drive	2	
8	S-16240	Ring, Retaining	1	
9	3070186	Washer, Plain	1	1/4 inch
10	70704	Washer, Plain	8	1/4 inch
11	3073999	Screw, Socket Head Cap	3	1/4 - 20 x 2 1/2 inch
12	105375	Nameplate	1	
13	181466	Washer, Lock	8	1/4 inch
14	3003156	Seal, Wire	1	
15	3021639	Nut, Sealing	1	
16	3029301	Nut, Lock	2	1/4 - 28 UNF
17	3034408	Seal, O Ring	1	
18	3042542	Seal, O Ring	2	
19	3045986	Seal, O Ring	1	
20	3046407	Screw, Socket Set	1	1/4 - 28 x 1 1/2 inch
21	3049041	Retainer, Spring	1	
22	3073998	Disc, Valve	1	
23	3054411	Spring, Leaf	1	
24	3075638	Screw, Socket Head Cap	1	1/4 - 20 x 2 1/2 inch
25	3055687	Nut, Control Valve	1	1/4 - 28 UNF
26	3051069	Spring, Compression	1	
27	3060605	Barrel & Plunger	1	
28	3066914	Seal, O Ring	1	
29	3069989	Cover, Oil Control Valve	1	
31	3070108	Gasket, Control Valve Body	1	
32	3070124	Cover, Diaphragm	1	
33	3070167	Body, Oil Control Valve	1	
34	3017115	Connector, Male	1	
	3033742	Plug, Threaded	1	
35	3079584	Plug, Threaded	1	
36	3034412	Seal, O Ring	1	



Ref No.	Part Number	Part Name	Req	Remarks
		TURBOCHARGER		
		OPTION PP4152		
		Kit, Turbocharger	1	
	(3534243)	Turbocharger	1	
1	3502449	Seal, Rectangular Ring	1	
2	3504967	Washer, Plain	4	
3	3519163	Screw, Drive	2	
4	3519535	Nut, Lock	1	M11 x 1.00
5	3519623	Collar, Thrust	1	
6	3519627	Bearing, Turbocharger	2	
7	3519641	Ring, Retaining	4	
8	3519783	Shield, Turbocharger Heat	1	
9	3521225	Screw, Hexagon Head Set	8	M8 x 1.25 x 16
10	3521442	Seal, Split Ring	1	
11	3522631	Clamp, V Band	1	
12	3522904	Lockplate	4	
13	3523412	Seal, Split Ring	1	
14	3523429	Housing, Tur Bearing	1	
15	3523980	Slinger, Oil	1	
16	3524418	Shim	1	
17	3524419	Baffle, Oil	1	
18	3525073	Screw, Hexagon Head Set	4	M8 x 1.25 x 25
19	3521033	Shaft & Wheel	1	
20	3526985	Bearing, Tur Thrust	1	
21	3527348	Diffuser, Turbocharger	1	
22	3527369	Housing, Compressor	1	
23	3533703	Impeller, Tur Compressor	1	
24	3527619	Dataplate	1	
25	3529372	Nut, Regular Hexagon	1	1/4 - 28 UNF
26	3524753	Housing, Turbine	1	
27	201049	Gasket, Connection	1	
28	201048	Gasket, Connection	1	
29	206576	Gasket, Turbocharger	1	
30	3023129	Seal, Dust	1	
31	3023066	Seal, O Ring	2	

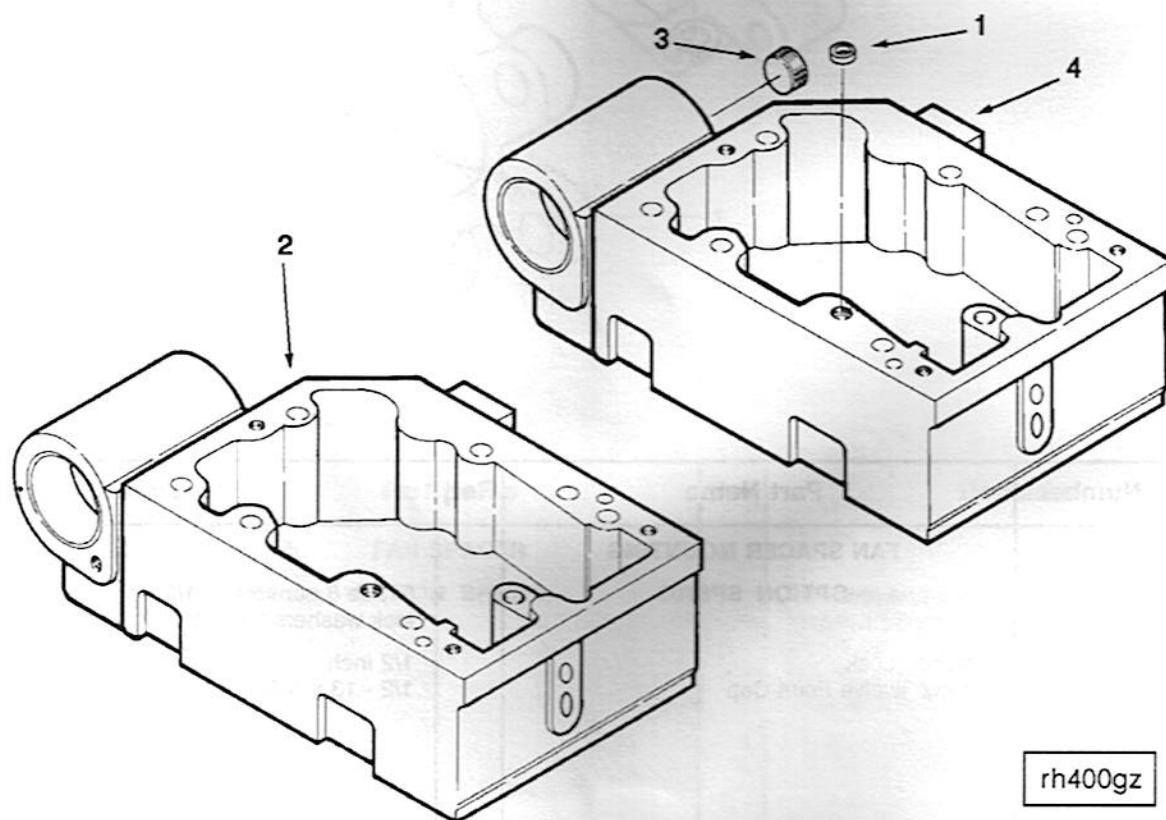


Ref No.	Part Number	Part Name	Req	Remarks
		FAN SPACER OPTION SP8319		
1	42337	Spacer, Fan	1	Fan pilot and spacer providing a total of 2.0 inches ((52mm) of fan spacing. Fits fan hub with 3.18 inch (81mm) bore has 3.0 inch (76mm) fan pilot and six mounting holes on 5.50 inch (140mm) bolt circle.
2	219125	Spacer, Fan	1	

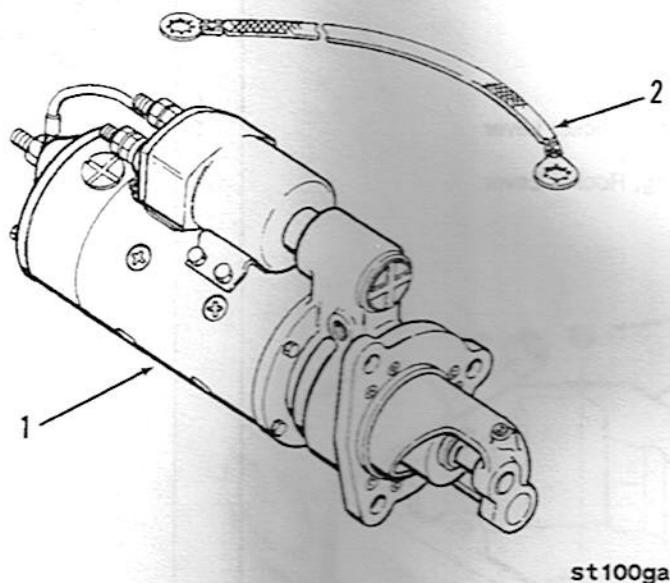


sp100go

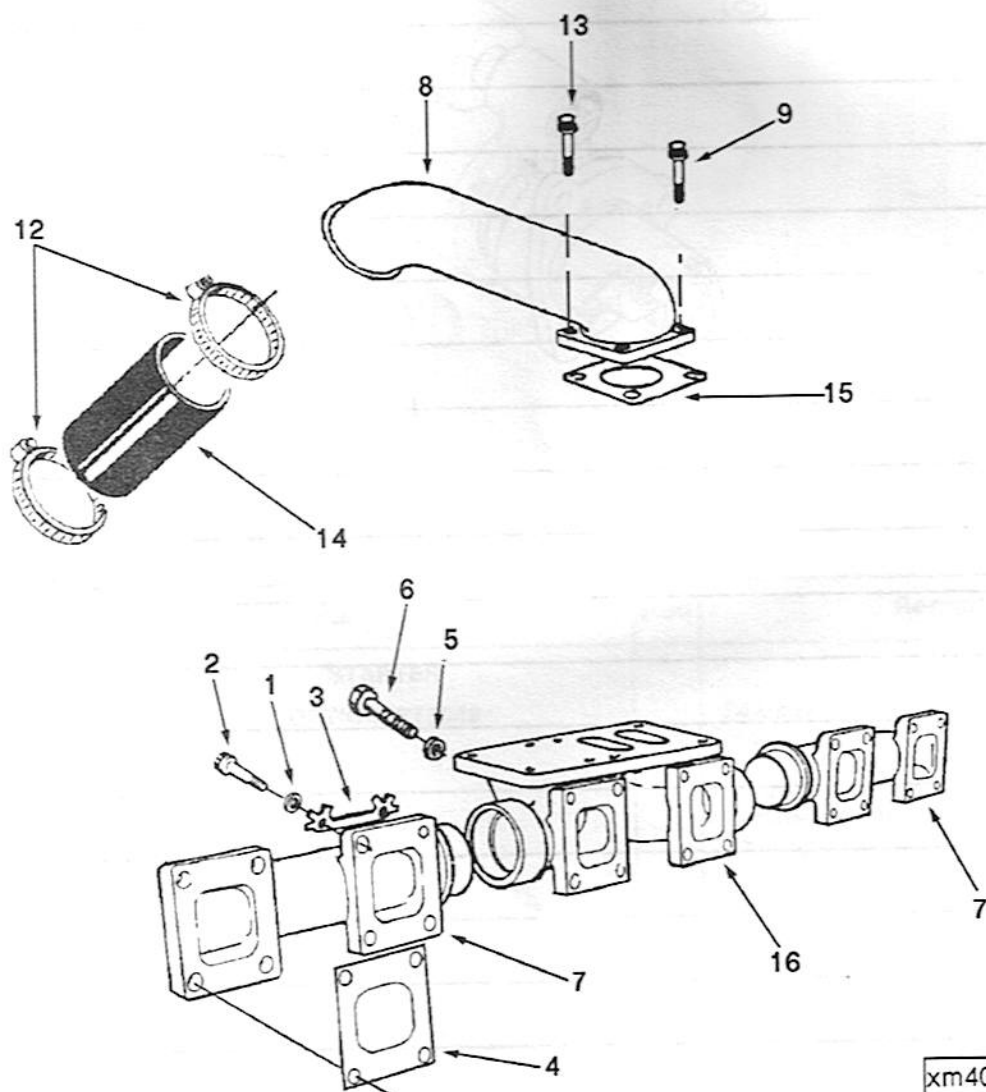
Ref No.	Part Number	Part Name	Req	Remarks
		FAN SPACER MOUNTING OPTION SP8703		
1	S-608	Washer, Lock		Grade 8 capscrews 1/2 - 1 x 4.5 inch, with lock washers for use with steel fan.
2	205357	Screw, Twelve Point Cap		1/2 inch 1/2 - 13 x 3 3/4 inch



Ref No.	Part Number	Part Name	Req	Remarks
		ROCKER HOUSINGS OPTION SS4021		Rocker housings for use with hydraulic variable timing. Includes bosses between rocker housings for lifting of engine. Rear rocker housing is machined for mounting of air cleaner bracket.
1	205129	Dowel, Ring	6	
2	3177713	Housing, Rocker Lever	5	
3	S-995	Plug, Pipe	1	
4	3202198	Housing, Rocker Lever	1	

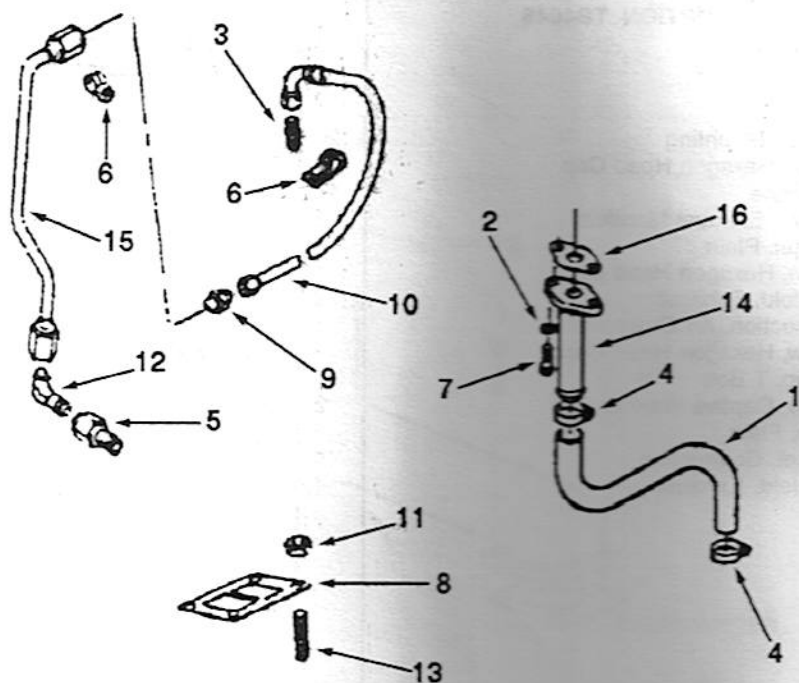


Ref No.	Part Number	Part Name	Req	Remarks
		STARTER OPTION ST8048		
1	3021038	Motor, Starting	1	24volt Delco-Remy (50MT400) starter with ground strap. Insulated, cw rotation, positorque drive and 307.5 degree solenoid position. Mounts on exhaust side of engine. Compatible with D19 aluminum flywheel housings.
2	3018924	Wire, Ground	1	



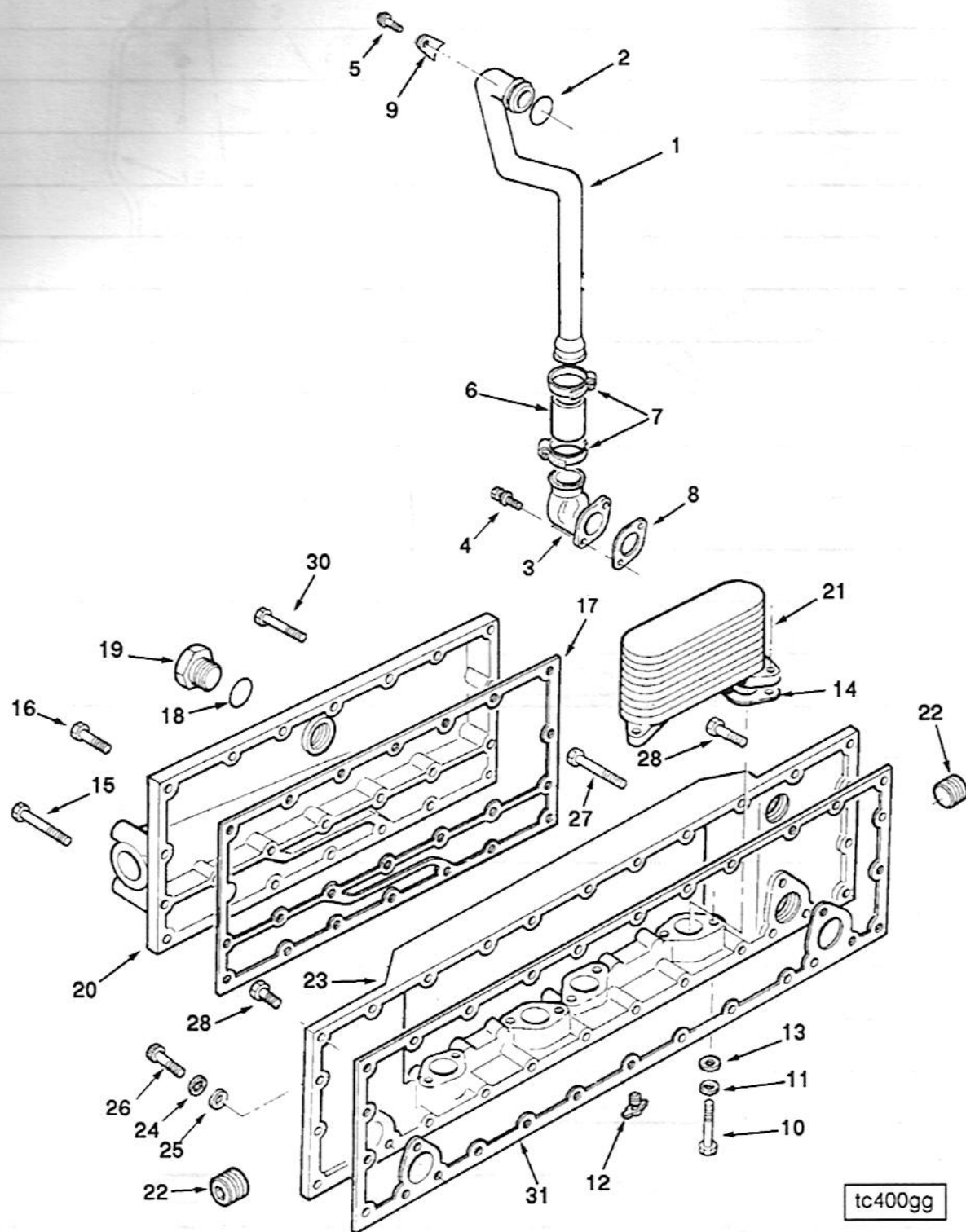
xm400ga

Ref No.	Part Number	Part Name	Req	Remarks
		EXH.MFLD./TURBO MTG. OPTION TB4046		Dry exhaust manifold and air crossover for top mounted turbocharger with front out exhaust. Includes high temperature exhaust manifolds and premium mounting hardware.
1	3046286	Spacer, Mounting	20	
2	3046283	Screw, Hexagon Head Cap	20	7/16 - 14 x 3 inch
3	3088317	Lockplate	12	
4	3043097	Gasket, Exhaust Manifold	6	
5	3035310	Washer, Plain	4	
6	3066497	Screw, Hexagon Head Cap	1	7/16 - 14 x 5 1/2 inch
7	3037824	Manifold, Exhaust	2	
8	3016139	Connection, Air Crossover	1	
9	3040839	Screw, Hexagon Head Cap	2	3/8 - 16 x 4 3/4 inch
12	140315	Clamp, T Bolt	2	
13	3035624	Screw, Captive Washer Cap	2	3/8 - 16 x 1 1/2 inch
14	3016142	Hose, Plain	1	
15	3032161	Gasket, Connection	1	
16	3080980	Manifold, Exhaust	1	



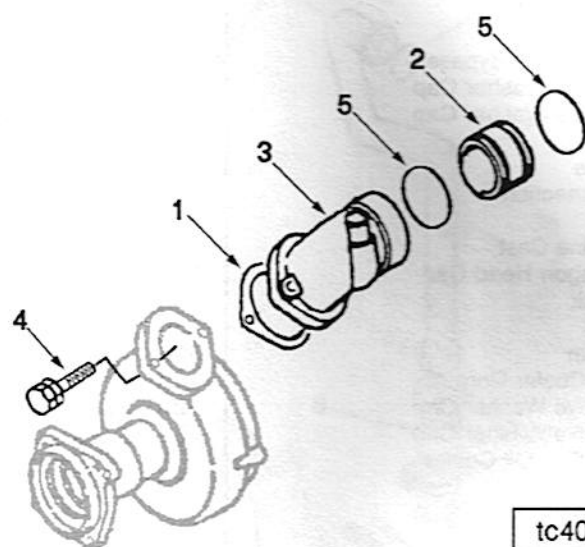
tb400gj

Ref No.	Part Number	Part Name	Req	Remarks
		TURBO MOUNTING OPTION TB4735		
1	AS1602500NF	Hose	1	Mounting and plumbing for top mounted Holset turbocharger with front out exhaust, dry or wet exhaust manifolds and without mounted torque converter cooler on KT or KTA. 3/8 - 16 - 1 1/4 inch
2	S-604	Washer, Lock	2	
3	S-1039-A	Connector, Male	1	
4	43828-A	Clamp, Hose	2	
5	118346	Union, Male	1	
6	3026793	Clip	2	
7	191772	Screw, Twelve Point Cap	2	
8	206576	Gasket, Turbocharger	1	
9	206943	Union, Adapter	1	
10	215195	Hose, Flexible	1	
11	3056158	Nut, Hexagon Flange	4	
12	3003536	Coupling, Elbow Hose	1	
13	3010915	Stud	4	
14	3200178	Tube, Tur Oil Drain	1	
15	3200273	Tube, Tur Oil Supply	1	
16	3202117	Gasket, Connection	1	

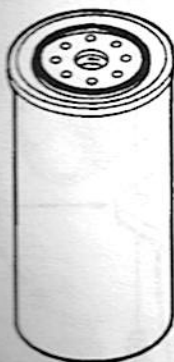


tc400gg

Ref No.	Part Number	Part Name	Req	Remarks
		OIL COOLER OPTION TC4027		Cast iron engine oil cooler without mounted torque converter cooler. For use with engine oil filters mounted on fuel pump side.
1	3011224	Tube, Water Bypass	1	
2	70624	Seal, O Ring	1	
3	3010299	Connection, Water Bypass	1	
4	3010596	Screw, Captive Washer Cap	2	3/8 - 16 x 1 1/4 inch
5	3015283	Screw, Captive Washer Cap	1	5/16 - 18 x 3/4 inch
6	3063240	Hose, Plain	1	
7	3056787	Clamp, Hose	2	
8	3060912	Gasket, Connection	1	
9	3201287	Clip	1	
	3201155	Cooler, Engine Cast	1	
10	S-103-C	Screw, Hexagon Head Cap	8	3/8 - 24 x 3 3/4 inch
11	S-604	Washer, Lock	8	
12	S-923-E	Draincock	1	
13	127362	Washer, Plain	10	
14	206973	Gasket, Oil Cooler Core	4	
15	3012478	Screw, Captive Washer Cap	2	3/8 - 16 x 3 1/2 inch
16	3042889	Screw, Captive Washer Cap	7	3/8 - 16 x 1 5/8 inch
17	3065791	Gasket, Tor Cnv Oil Cooler	1	
18	145540	Seal, O Ring	1	
19	206256	Plug, Threaded	1	
20	3200988	Cover, Lub Oil Cooler	1	
21	3201785	Core, Cooler	2	
22	3202101	Plug, Threaded	2	
23	3202217	Housing, Oil Cooler	1	
24	S-604	Washer, Lock	4	
25	127362	Washer, Plain	4	
26	205275	Screw, Twelve Point Cap	4	3/8 - 16 x 1 3/4 inch
27	3033038	Screw, Captive Washer Cap	2	3/8 - 16 x 1 5/8 inch
28	3040838	Screw, Captive Washer Cap	10	3/8 - 16 x 1 1/4 inch
30	3042890	Screw, Captive Washer Cap	14	3/8 - 16 x 4 inch
31	3065790	Gasket, Lub Oil Clr Hsg	1	

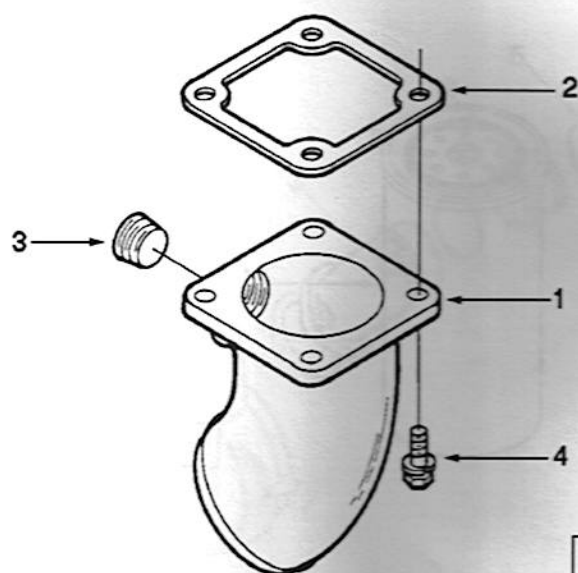


Ref No.	Part Number	Part Name	Req	Remarks
		OIL COOLER OPTION TC4702		
1	AR45710	Connection, Water Outlet	1	Water pump to lub oil cooler standard connection. For KTA engines.
2	205289	Gasket, Wtr Trf Connection	1	
3	206998	Tube, Water Transfer	1	
4	3002192	Connection, Water Outlet	1	
5	3010596	Screw, Captive Washer Cap	2	
	3028291	Seal, O Ring	2	3/8 - 16 x 1 1/4 inch

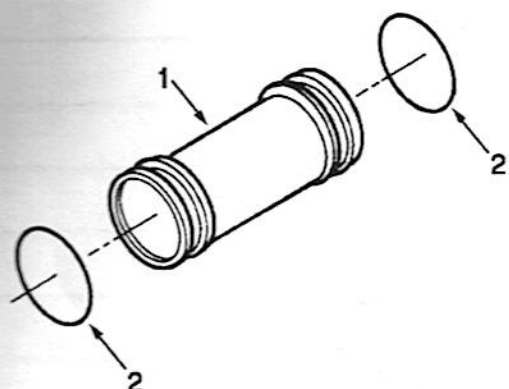


wf400ga

Ref No.	Part Number	Part Name	Req	Remarks
		CORROSION RESISTOR OPTION WF4008		
1	3318319 3868312	Resistor, Corrosion Additive, At Coolant	1 1	DC4 corrosion resistor with replaceable spin-on cartridge plus one 20 unit container of DC4 inhibitor supplied in kit. Sized for coolant system capacity of 34.4 - 64.5 gal. (130-244 liter). For radiator or remote cooling systems. Fleetguard WF2076

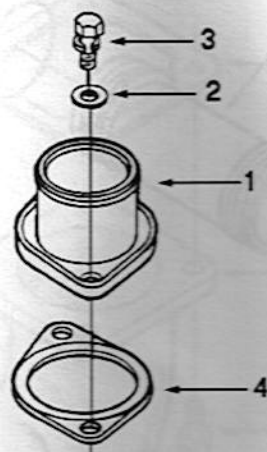


Ref No.	Part Number	Part Name	Req	Remarks
		WATER INLET CONNECTION OPTION WI4004		
1	3001351	Connection, Water Inlet	1	3.5 inch water inlet connection pointing away from engine at 51 degrees. For use with radiator or remote cooling.
2	205288	Gasket, Wtr Trf Connection	1	
3	3008470	Plug, Pipe	1	
4	3010596	Screw, Captive Washer Cap	4	
				3/8 - 16 x 1 1/4 inch



wm400gh

Ref No.	Part Number	Part Name	Req	Remarks
		WATER MANIFOLD OPTION WM4003		
1	207233	Tube, Water Transfer	5	Water transfer tubes for dry exhaust gear cover plate design.
2	3028291	Seal, O Ring	10	



wo400ga

Ref No.	Part Number	Part Name	Req	Remarks
		WATER OUTLET CONNECTION OPTION WO4002		
1	3061003	Connection, Water Outlet	2	Dual 2.5 inch water outlet connections pointing up. Does not include heat shields. For use with KT/KTA engines only.
2	S-602	Washer, Plain	4	
3	3012470	Screw, Captive Washer Cap	4	
4	3060912	Gasket, Connection	2	