

AL 240 - LIFT ARM HYDRAULICS

Ref. No.	Part No.	Description	Qty.
1	059075	CLAMP/HOSE .38 X .41 HOLE DOUBLE	1
2	079098	PLATE/TOP SIZE 2 TWIN FLAT	1
5	175798	CYL/HYD/LIFT (see Page 53 for details)	2
6	175799	CYL/HYD/TILT (see Page 54 for details)	1
7	176353	ST MC15-MBSPP06-L **	5
8	176354	ST MC15-MBSPP08-L **	6
9	176355	ST MC12-MBSPP06-L **	6
10	176356	ST MC12-MBSPP08-L **	4
11	176358	ST MC10-MBSPP06-L **	3
12	176364	90 FCS10-MC10-L **	2
13	176365	90 FCS12-MC12-L **	5
14	176366	90 FCS15-MC15-L **	3
15	176376	ST MC22-MBSPP12-L **	1
16	176480	COUPLER/MALE MC15	1
17	176481	COUPLER/FEMALE MC15	1
18	176511	PLUG HH MBSPP04 **	2
19	176526	TEE RUN MC12-MC12-FCS12-L **	2
20	176530	ST MC10-MBSPP04-L **	3
21	176653	CS FLH M10-1.5X25 C8.8ZY SP DIN1665	1
22	176778	ST FCS15-MC10-L **	1
23	184101	VALVE/SOL SV10-24 10T (see Page 52 for details)	2
25	201085	HOSE/MP 6 X 660MM *	1
26	201086	HOSE/MP 6 X 483MM *	1
27	203819	FITTING/GREASE M6 X 1/90°	2
31	270305	HOSE/MP 8 X 546MM *	2
32	270396	CLAMP/TUBE 15MM-10MM TWIN	4
33	270834	TUBE/HYDRAULIC	2
34	271083	COVER/DUST MALE 08	1
35	271084	COVER/DUST FEMALE 08	1
36	271159	LOOMING/GUARD (0.656 FT)	1
37	271391	HOSE/MP 5 X 762MM *	1
38	271754	90 MC15-MABSPP08-L **	1
39	272473	HOSE/MP 5 X 618MM *	1
40	272667	BLOCK CUSTOM	3
41	50301818	BLOCK (later block style, one OS tube opening and Ref. No. 95 foam on tube)	4
	272683	BLOCK (earlier block style, all tube openings are tube size and no foam tube wrap)	4
42	273263	TUBE	1
43	273264	TUBE	1
44	273265	TUBE	1
45	273266	TUBE	1
46	273267	TUBE	1
47	273268	TUBE	1
48	273270	ST MC12-MORB10-L **	4
49	273273	TUBE	1
50	273275	TUBE	1
51	273276	TUBE	1
52	273510	HOSE/MP 6 X 1841MM *	1
53	273513	HOSE/MP 6 X 1333MM *	1

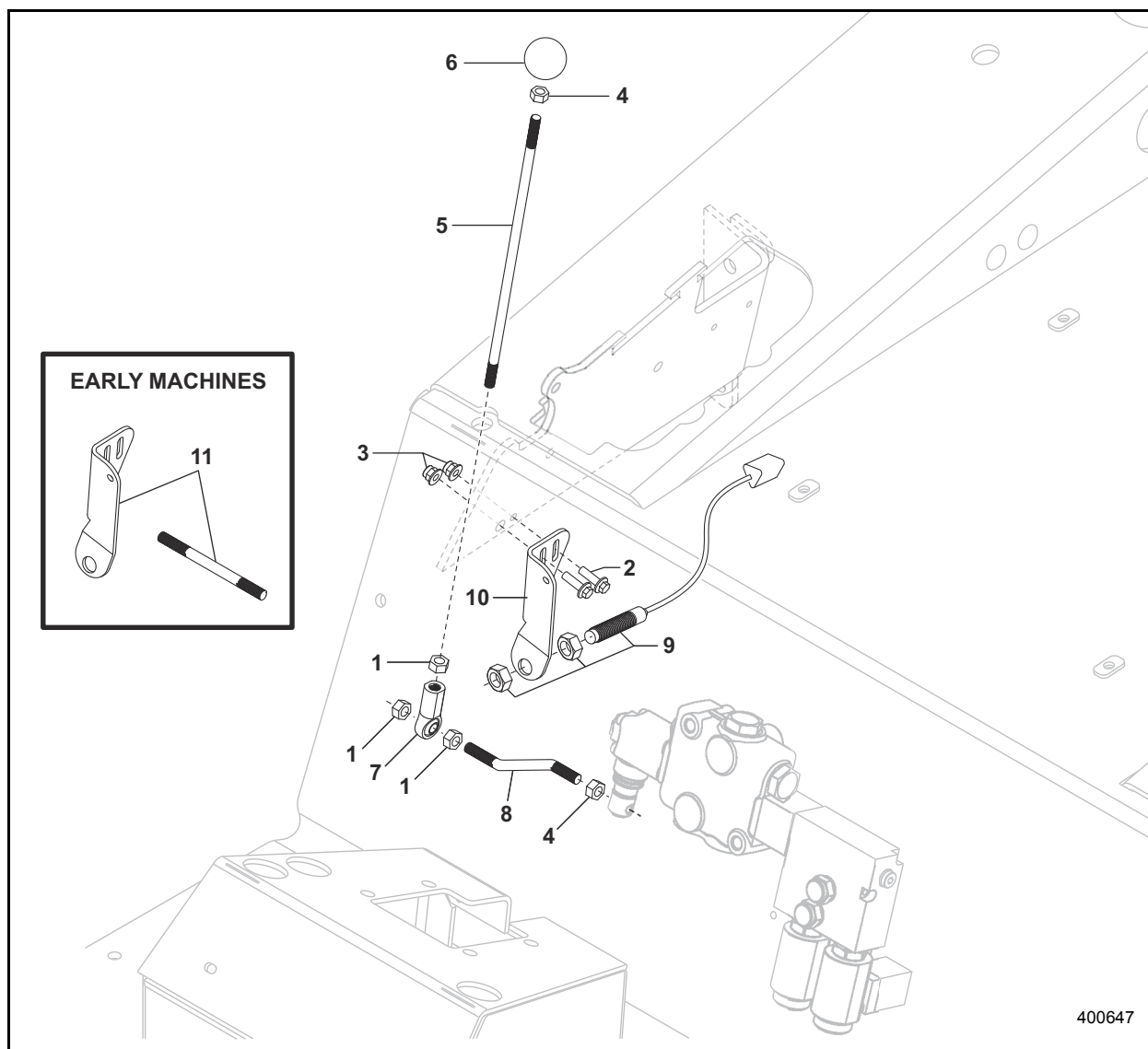
Ref. No.	Part No.	Description	Qty.
54	273515	HOSE/MP 6 X 1168MM *	2
55	273516	HOSE/MP 8 X 1118MM	2
56	273533	Valve/Control (see Page 50 for details)	1
57	273534	Valve/Auxiliary (see Page 51 for details)	1
58	273563	VALVE/POWER-A-TACH (see Page 52 for details)	1
59	273697	ST FCS22-MC10-L **	1
60	274134	SHAFT/JOYSTICK	1
61	274162	MANIFOLD/RETURN	1
62	274206	HOSE/MP 8 X 406MM *	1
63	274207	HOSE/MP 8 X 394MM *	1
64	274208	HOSE/MP 8 X 406MM * (SN 21292 and Before)	1
65	274209	BRACKET/RETURN MANIFOLD	1
66	274328	TUBE/HYDRAULIC	1
67	274439	HANDLE/JOYSTICK	1
68	274444	HOSE/MP 5 X 457MM *	1
69	274853	TEE BR MC15-MC15-MABSPP08-L **	1
70	274857	GUARD/POLY HOSE .75 X 12IN (used on Ref. Nos. 62, 63, 64, 76, 77)	5
71	274864	CLAMP/TUBE 22MM TWIN	1
72	274865	GUARD/POLY HOSE .75 X 24IN (used on Ref. No. 75)	1
73	274867	VALVE/SOLENOID/2P3W (see Page 52 for details)	1
74	274885	HOSE/MP 5 X 229MM *	1
75	274891	HOSE/MP 12 X 775MM *	1
76	274892	HOSE/MP 5 X 545MM *	1
77	275889	HOSE/MP 8 X 380MM *	2
78	613052	FITTING/GREASE M6X1	4
79	651450	HN M12-1.75 C10 ZY DIN934	1
80	651695	CS FL M8-1.25X25 C8.8 ZY DIN1662	2
81	651705	LN INST FL M6-1.00 C8 ZY DIN6926	7
82	651706	LN INST FL M8-1.25 C8 ZY DIN6926	13
83	651707	LN INST FL M10-1.50 C8 ZY DIN6926	3
84	651711	LN FL CTR M8-1.25 C8 ZY DIN6927	2
85	651727	CB M8-1.25X60 C8.8 ZY DIN603	2
86	651752	CS M6-1.00X100 C8.8 ZY DIN931	2
87	651802	CB M6-1.00X45 C4.6 ZY DIN603	2
88	656002	CS M8-1.25X35 C8.8 ZY DIN931	2
89	656004	CS M8-1.25X55 C8.8 ZY DIN931	5
90	656093	CS M8-1.25X16 C8.8 ZY DIN931	2
91	656117	CS M10-1.5X75 C8.8 ZY DIN931	2
92	656154	CS M8-1.25X45 C8.8 ZY DIN931	3
93	656172	CS M6-1X45 C8.8 ZY DIN931	3
94	656178	CS M8-1.25X120 C8.8 ZY DIN931	3
95	50301732	FOAM/0.25 X 2IN (used with blocks 50301818 on tube from steering valve to main supply valve)	2

* See Page 91 for hose/o-ring information

** See Page 90 for o-ring/seal/description information.

AL 240 - LIFT ARM

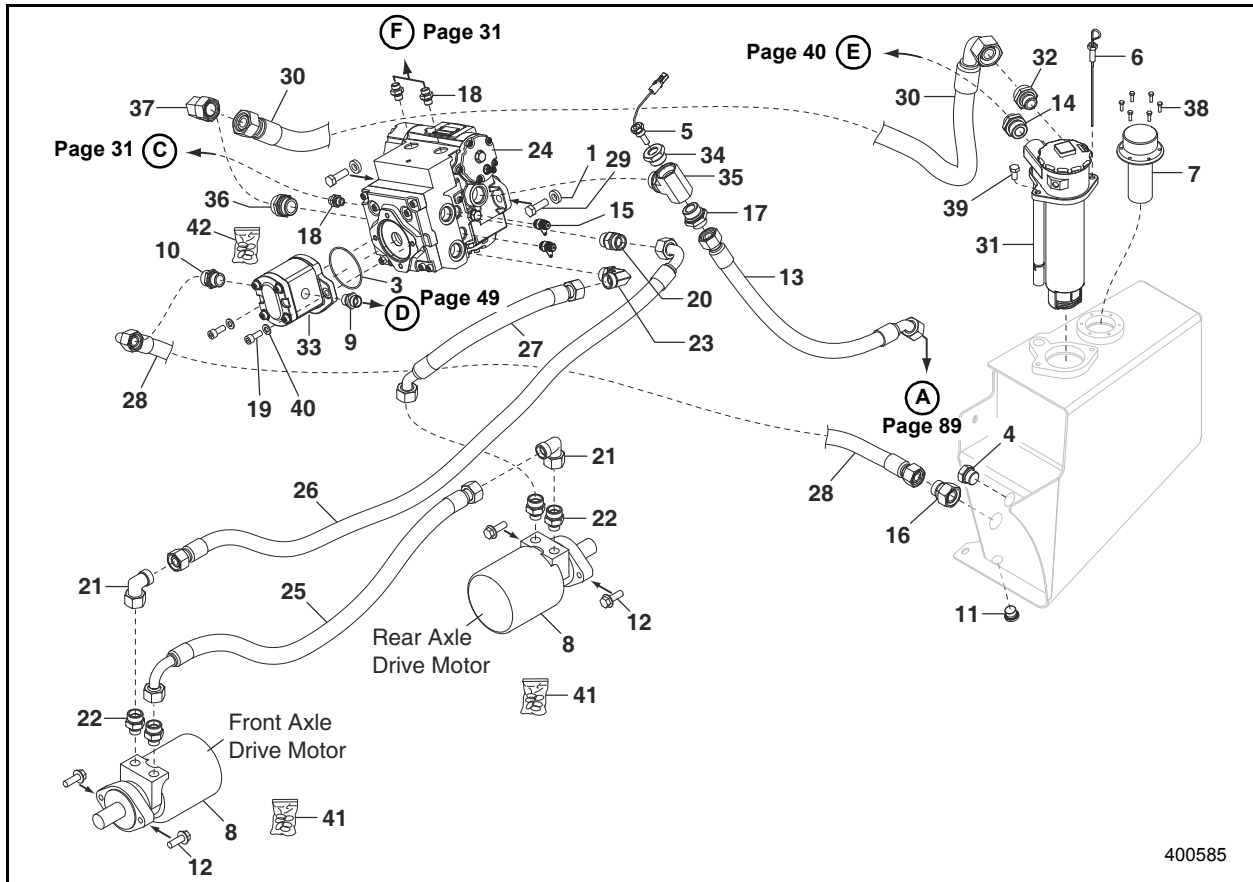
AUX. HYDRAULICS PRESSURE RELIEF CONTROL (SN 21293 AND UP)



Ref.

No.	Part No.	Description	Qty.
1	50657017	HN M8-1.25 C8 ZY LH DIN934	3
2	651693	CS FL M6-1.00X20 C8.8 ZY DIN1662	2
3	651705	LN INST FL M6-1.00 C8 ZY DIN6926	2
4	656048	HN M8-1.25 C8 ZY DIN934	2
5	50301119	ROD/LINKAGE	1
6	50301120	BALL KNOB	1
7	50301121	ROD END/BALL JOINT	1
8	50301281	ROD/THREADED/OFFSET	1
9	50301214	FERROUS PROX SWITCH/M12 (includes jam nuts)	1
10	50302173	BRACKET/SENSOR	1
11	50302175	KIT/ROD LINKAGE UPDATE KIT	1

AL 240 - HYDRAULICS HYDRAULIC DRIVE AND TANK



400585

Ref. No.	Part No.	Description	Qty.
1	093362	FW 17/32	2
3	129933	O-RING 152 N70	1
4	131529	PLUG MORB08 **	1
5	132049	TEMPERATURE SWITCH (hydraulic oil, 230 F)	1
6	175921	BOLT/DIPSTICK	1
7	175922	BREATHER	1
8	176320	MOTOR/DRIVE 280CC	2
9	176354	ST MC15-MBSP08-L **	1
10	176376	ST MC22-MBSP12-L **	1
11	50302142	PLUG HH MORB08 MAGNETIC ** (SN 21349 and Up)	1
	176510	HPM MBSP12 (DRAIN PLUG) ** (SN 21244 - 21348)	1
12	50301496	SHCS M12-1.75X35 C10.9 OCG SP DN912	4
13	50300545	HOSE/MP 12 X 710MM *	1
14	176885	ST MC22-MBSP16-L **	1
15	193562	TEST PORT-9/16-18 UNF	2
16	270075	ST FCS28-MC22-L **	1
17	270414	ST MC22-MORB16-L **	1
18	270416	ST MC10-MORB06-L **	3
19	50300104	SHCS HS 3/8X1 C8RIE SP ***	2
20	272669	ST MC20-MORB12-S **	1
21	272694	90 FCS20-MC20-S **	2
22	50300068	ST MC20-MBSP08-S **	4
23	272867	90 MC20-MAORB12-S **	1

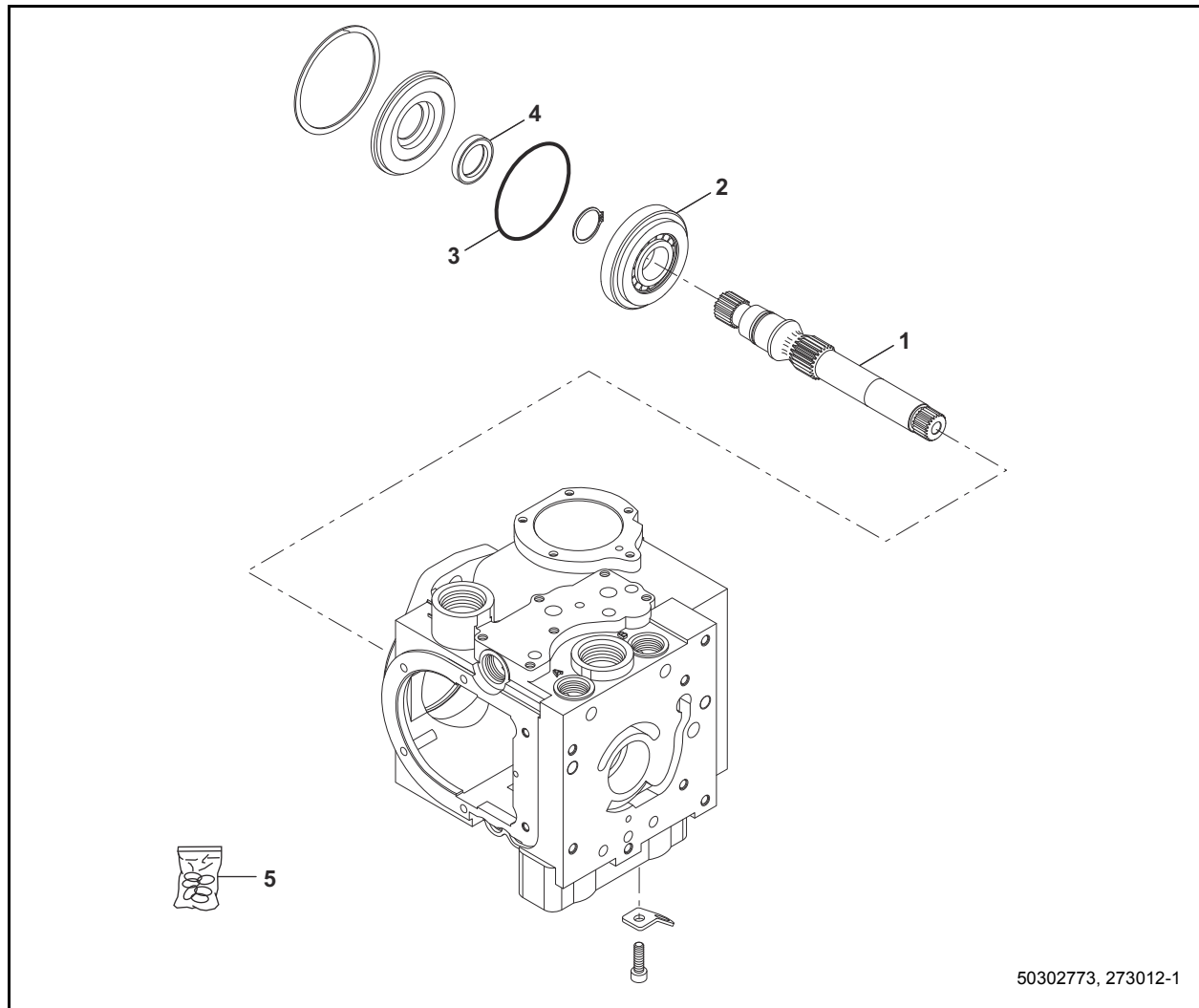
Ref. No.	Part No.	Description	Qty.
24	50302773	PUMP/AXIAL PISTON (see Page 44-Page 48 for details)	1
25	273198	HOSE/HP 12 X 940MM *	1
26	273199	HOSE/HP 12 X 1354MM *	1
27	273200	HOSE/HP 12 X 460MM *	1
28	273698	HOSE/LP 12 X 1067MM *	1
29	50301001	CS 1/2X1-1/2 C8OCG SP	2
30	274901	HOSE/LP 16 X 1308MM *	1
31	274912	FILTER/RETURN (see Page 3 for details)	1
32	275238	ST MC28-MBSP12-L *	1
33	50301180	PUMP/GEAR 16CC (current production pump - use for service, all SNs)	1
34	50300010	ST MORB16-FORB08 **	1
35	50300013	TEE BR FORB16-FORB16-MAORB16 **	1
36	50300025	ST MC28-MORB16-L **	1
37	50300026	90 FCS28-MC28-L	1
38	651521	CS M5-0.8X16 C8.8 ZY DIN931	6
39	656006	CS M10-1.5X20 C8.8 ZY DIN931	1
40	656133	FW M10 ZY DIN125	2
41	202668	KIT/SEAL (For one drive motor)	AR
42	50280538	SEAL KIT/REXROTH PUMP (for 50301180 gear pump)	1
	243064	KIT/SEAL/EATON (for early gear pump, marked Eaton on end cap)	1

* See Page 91 for hose/o-ring information.

** See Page 90 for o-ring/seal/description information.

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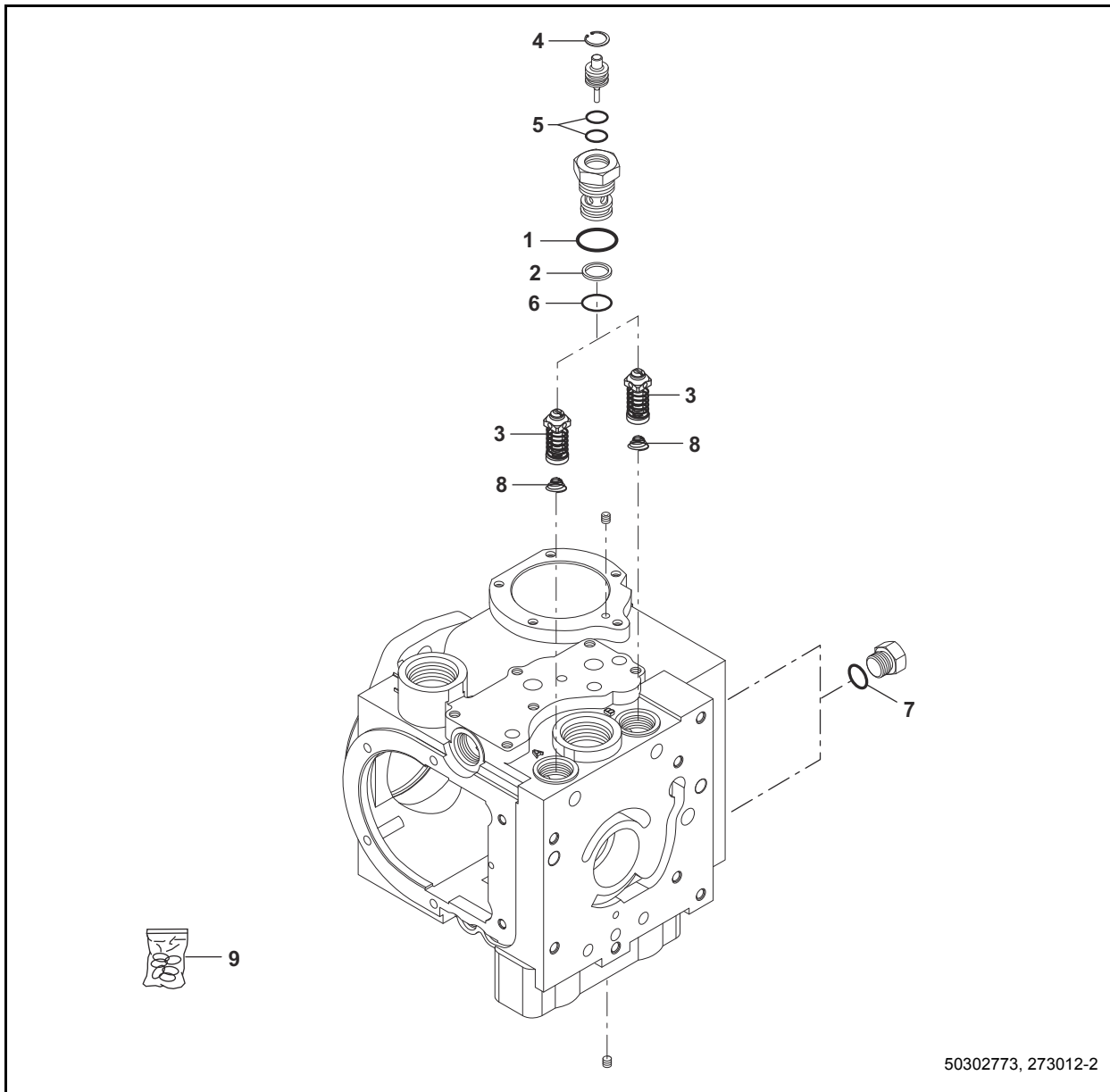
AXIAL PISTON PUMP - MAIN SHAFT



Ref.	No.	Part No.	Description	Qty.
	1	50280243	SHAFT	1
	2	50280244	ROLLER BEARING	1
	3	50280245	O-RING	1
	4	50280246	LIP SEAL	1
	5	50280242	OVERHAUL SEAL KIT (all O-rings and gaskets for pump)	1

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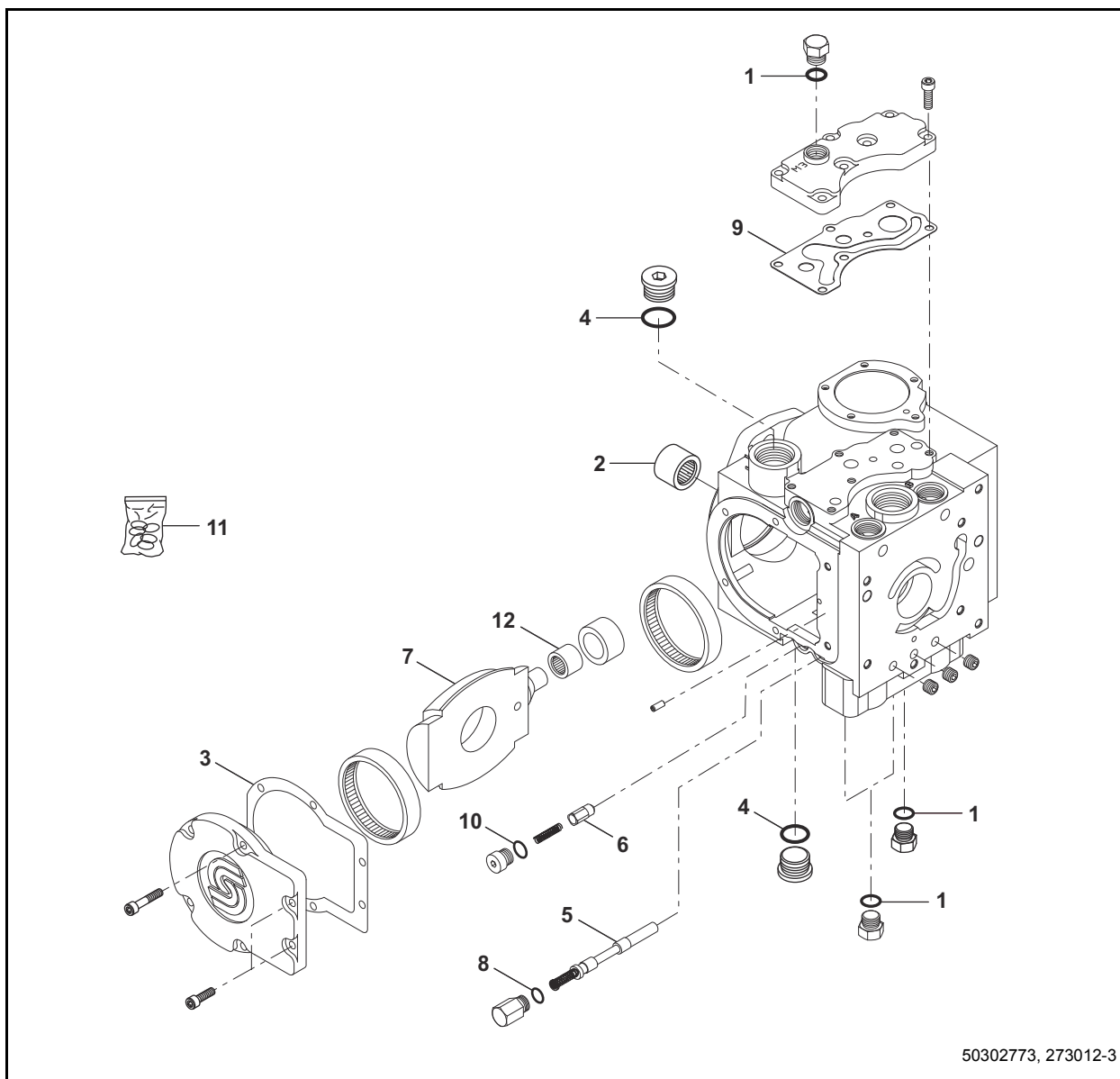
AXIAL PISTON PUMP - BYPASS VALVES



Ref.	Part No.	Description	Qty.
1	602423	O-RING	2
2	602424	RING/BACK UP	2
3	50286705	SCR VALVE 4061 PSI	2
4	50280229	RETAINING RING	2
5	50280230	O-RING	4
6	50280231	O-RING	2
7	204464	O-RING	1
8	380-32431	SPRING	2
9	50280242	OVERHAUL SEAL KIT (all o-rings and gaskets for pump)	1

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AXIAL PISTON PUMP - SWASHPLATE

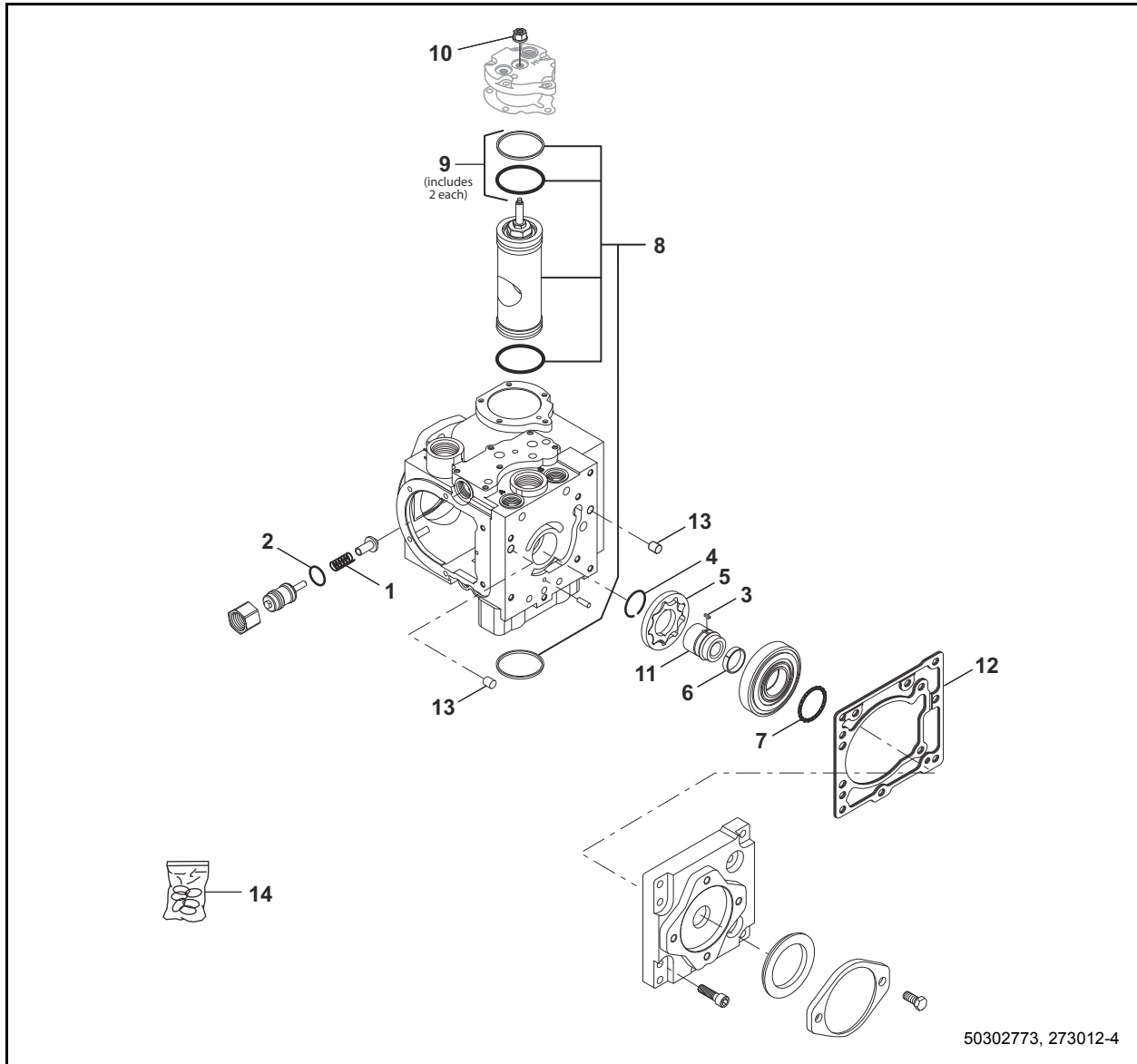


Ref. No.	Part No.	Description	Qty.
1	204464	O-RING	3
2	520133	BEARING/NEEDLE	1
3	50280219	SIDE COVER GASKET	1
4	50280222	O-RING	2
5	50280234	SPOOL ASSEMBLY	1
6	50280235	POPPET	1
7	50280239	SWASHPLATE	1
8	204464	O-RING	1
9	50280248	GASKET	1

Ref. No.	Part No.	Description	Qty.
10	602084	O-RING	1
11	50280242	OVERHAUL SEAL KIT (all o-rings and gaskets for pump)	1
12		BEARING/NEEDLE (not available for service - dimensions 13/16" ID x 1-1/4" OD x 3/4" L)	1

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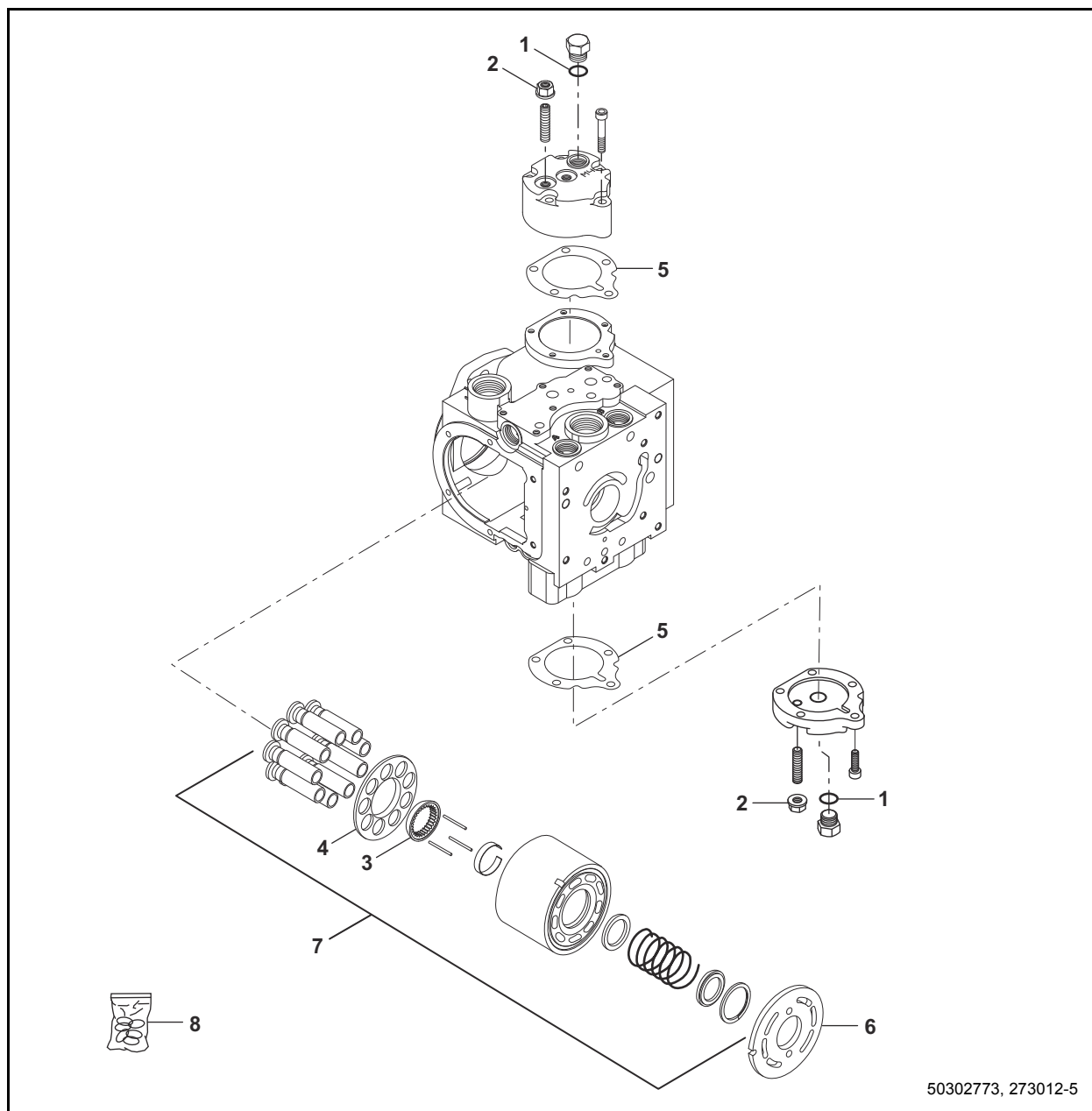
AXIAL PISTON PUMP - SERVO VALVE AND CHARGE PUMP



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	190581	SPRING/COMPRESSION	1	10	50280238	NUT	1
2	602423	O-RING	1	11	50280240	COUPLING	1
3	50280223	KEY	1	12	50280241	CHARGE PUMP GASKET	1
4	50280224	RETAINING RING	1	13	220-32346	PIN, STRAIGHT	2
5	50280225	GEAR ROTOR ASSEMBLY	1	14	50280242	OVERHAUL SEAL KIT (all o-rings and gaskets for pump)	1
6	50280226	BEARING	1				
7	50280227	O-RING	1				
8	50280236	SERVO PISTON KIT	1				
9	50280237	SERVO PISTON RING KIT	1				

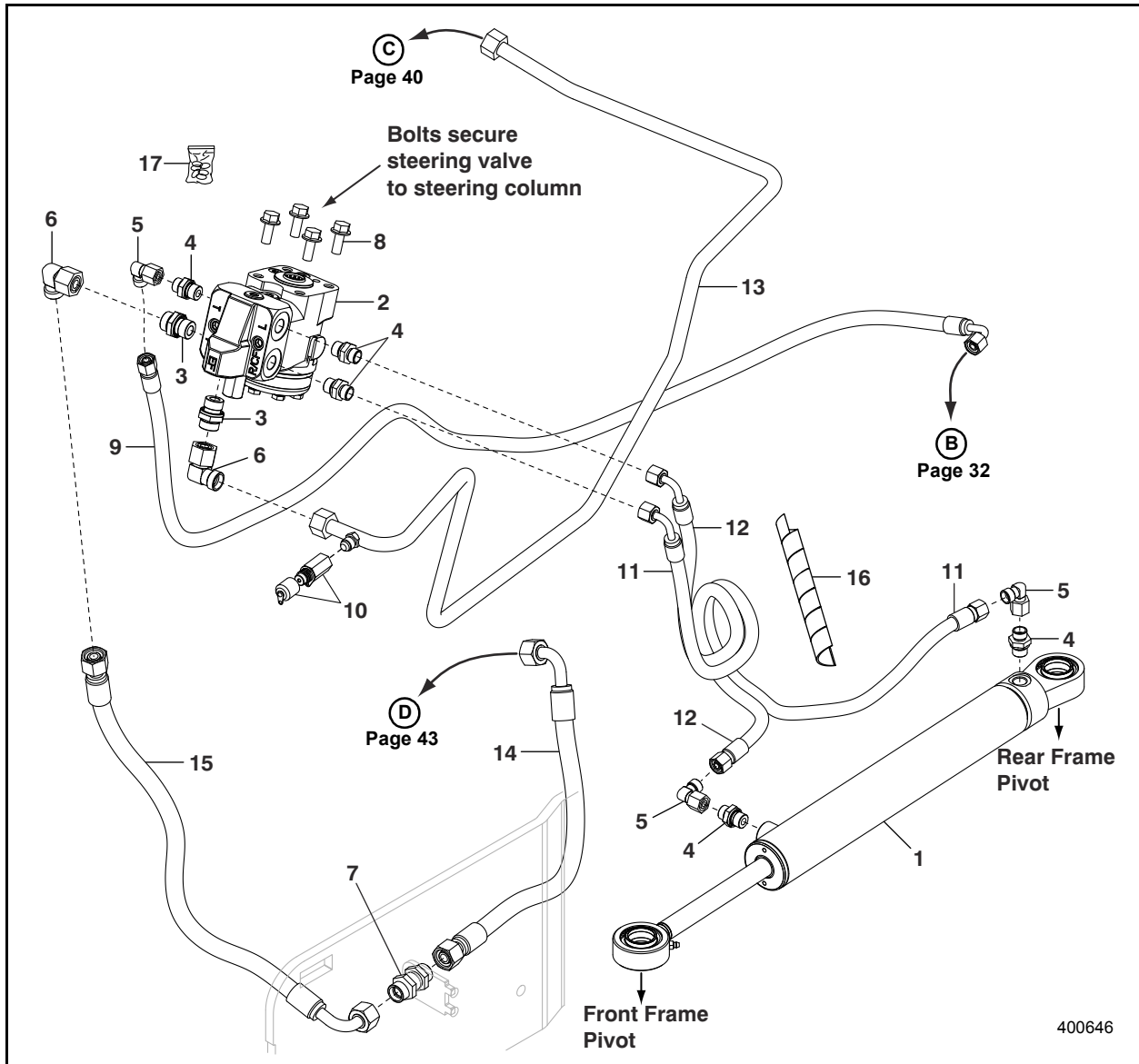
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AXIAL PISTON PUMP - ROTATING GROUP



Ref.	No.	Part No.	Description	Qty.
1	204464	O-RING		2
2	230010	SEAL NUT		2
3	50280220	SLIPPER RETAINER GUIDE		1
4	50280221	SLIPPER RETAINER		1
5	50280232	SERVO COVER GASKET		2
6	50280233	VALVE PLATE RT		1
7	50280250	CYLINDER BLOCK KIT		1
8	50280242	OVERHAUL SEAL KIT (all o-rings and gaskets for pump)		1

AL 240 - HYDRAULICS POWER STEERING



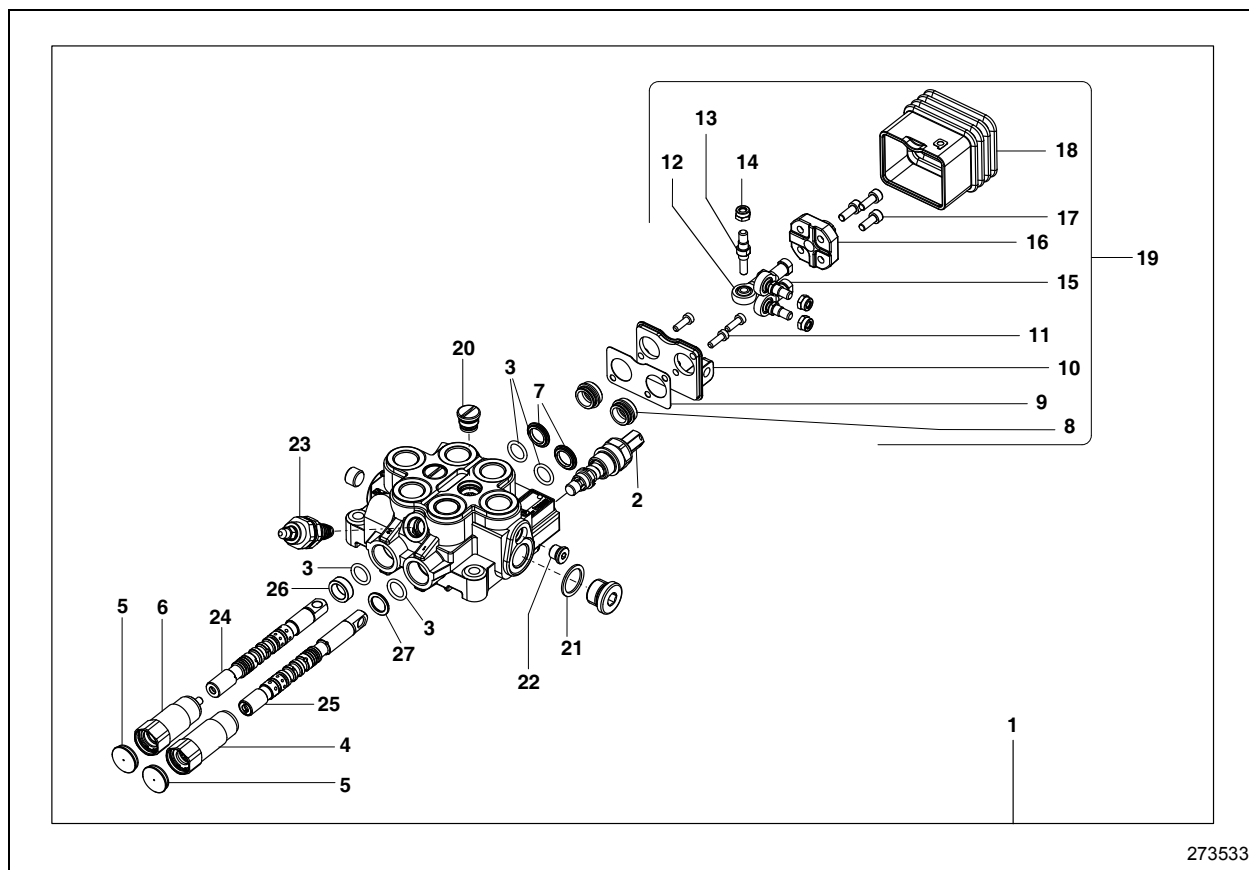
Ref. No.	Part No.	Description	Qty.
1	175800	CYL/HYD/STEERING (see Page 55 for details)	1
2	175919	VALVE/STEERING	1
3	176354	ST MC15-MBSPP08-L **	2
4	176358	ST MC10-MBSPP06-L **	5
5	176364	90 FCS10-MC10-L **	3
6	176366	90 FCS15-MC15-L **	2
7	176502	ST BLKHD MC15-MC15-L	1
8	176653	CS FLH M10-1.5X25 C8.8ZY SP DIN1665	4
9	176740	HOSE/MP 5 X 1727MM **	1
10	193169	TESTPORT	1
11	201081	HOSE/MP 5 X 1219MM **	1

Ref. No.	Part No.	Description	Qty.
12	270371	HOSE/MP 5 X 1041MM **	1
13	273274	TUBE	1
14	50300419	HOSE/MP 8 X 483MM *	1
15	50300420	HOSE/MP 8 X 762MM *	1
16	50300468	GUARD/POLY HOSE(1.500FT) (used with Ref. Nos. 11, 12)	1
17	202671	KIT/SEAL (steering valve)	1

* See Page 91 for hose/o-ring information.

** See Page 90 for o-ring/seal/description information.

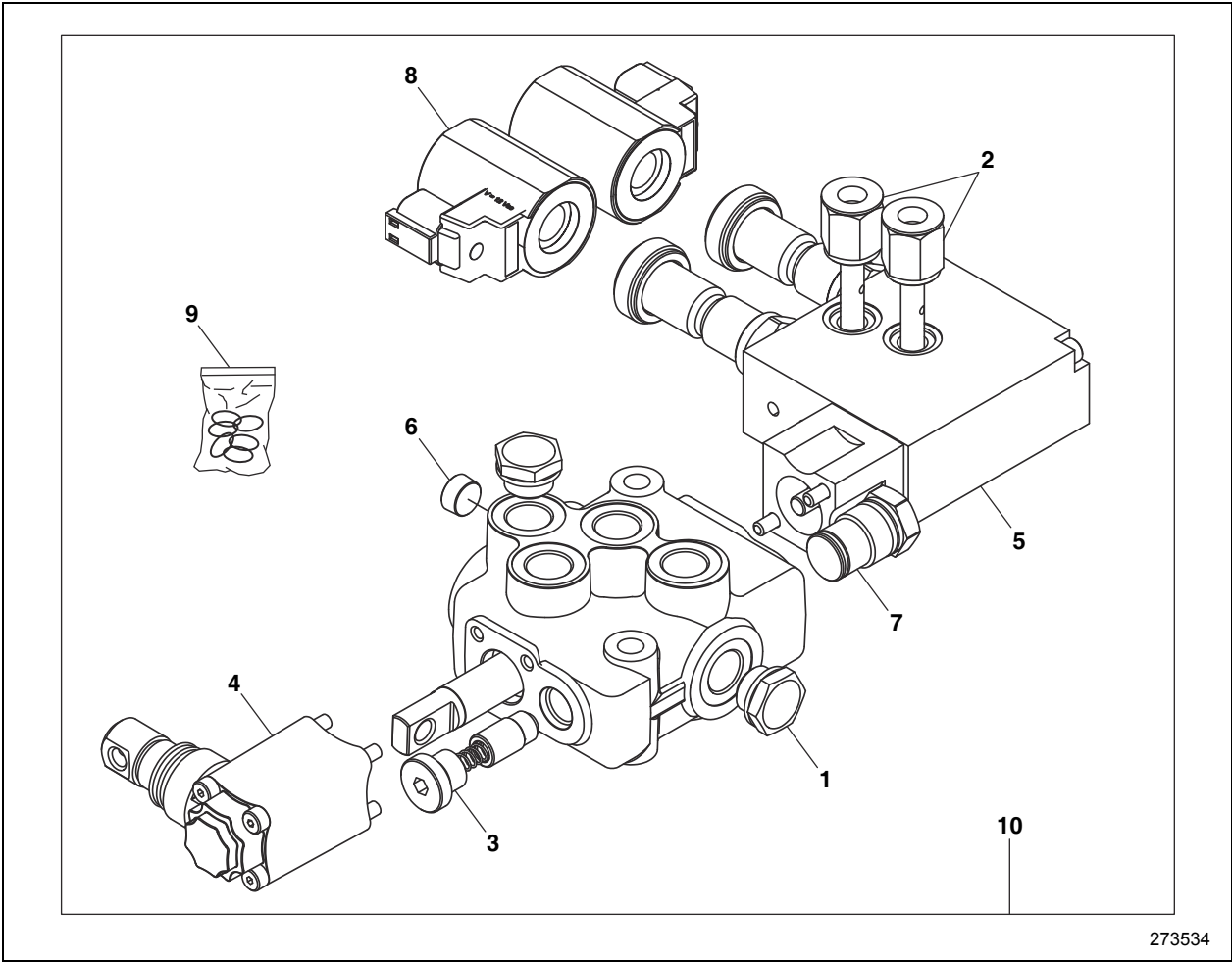
AL 240 - HYDRAULICS CONTROL VALVE



273533

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	273533	VALVE	1	16	230083	ROCKER JOINT *	1
2	230074	RELIEF VALVE	1	17	230084	SCREW *	3
3	230075	O-RING	4	18	230085	RUBBER BOOT *	1
4	202574	POSITIONER/HDS11	1	19	230086	JOYSTICK ASSY	1
5	203816	POSITIONER PLUG	2	20	203815	CHECK VALVE	2
6	202573	POSITIONER/HDM10	1	21	230044	SEALING WASHER	1
7	230076	SPACER	2	22	203814	PLUG 7/16-20UNF	1
8	230077	SPACER *	2	23	202575	VALVE/PORT RELIEF	1
9	230078	SEAL *	1	24	230271	SPOOL	1
10	230079	LEVER SUPPORT *	1	25	230272	SPOOL	1
11	230080	SCREW *	3	26	230273	SPACER	1
12	202577	PIVOT *	1	27	230274	SPACER	1
13	230081	PIN *	1	* Included in Ref. No. 19 Joystick Assy.			
14	230082	NUT *	3				
15	202578	JOINT/ROCKER *	2				

AL 240 - HYDRAULICS
AUXILIARY VALVE

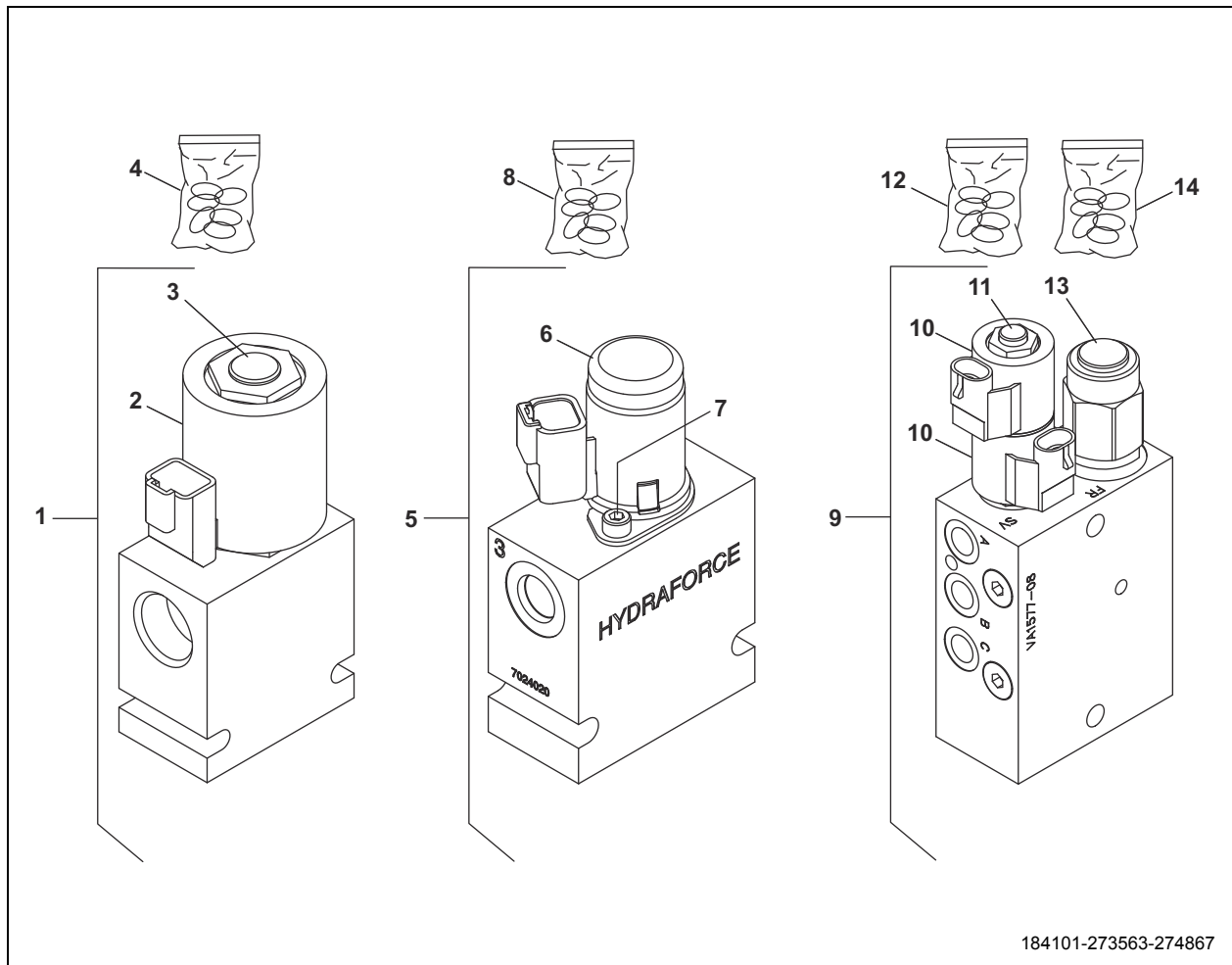


Ref. No.	Part No.	Description	Qty.
1	230020	PLUG KIT	2
2	230021	TIE ROD KIT	1
3	230022	LOAD CHECK KIT	1
4	230023	PROTECTED LEVER KIT	1
5	230024	PROPORTIONAL CONTROL	1
6	230025	CONICAL PLUG	1

Ref. No.	Part No.	Description	Qty.
7	230026	RELIEF VALVE PLUG	1
8	230027	COIL	2
9	230028	SEAL KIT	1
10	273534	VALVE/AUXILIARY	1

AL 240 - HYDRAULICS

SOLENOID VALVES, POWER-A-TACH VALVE

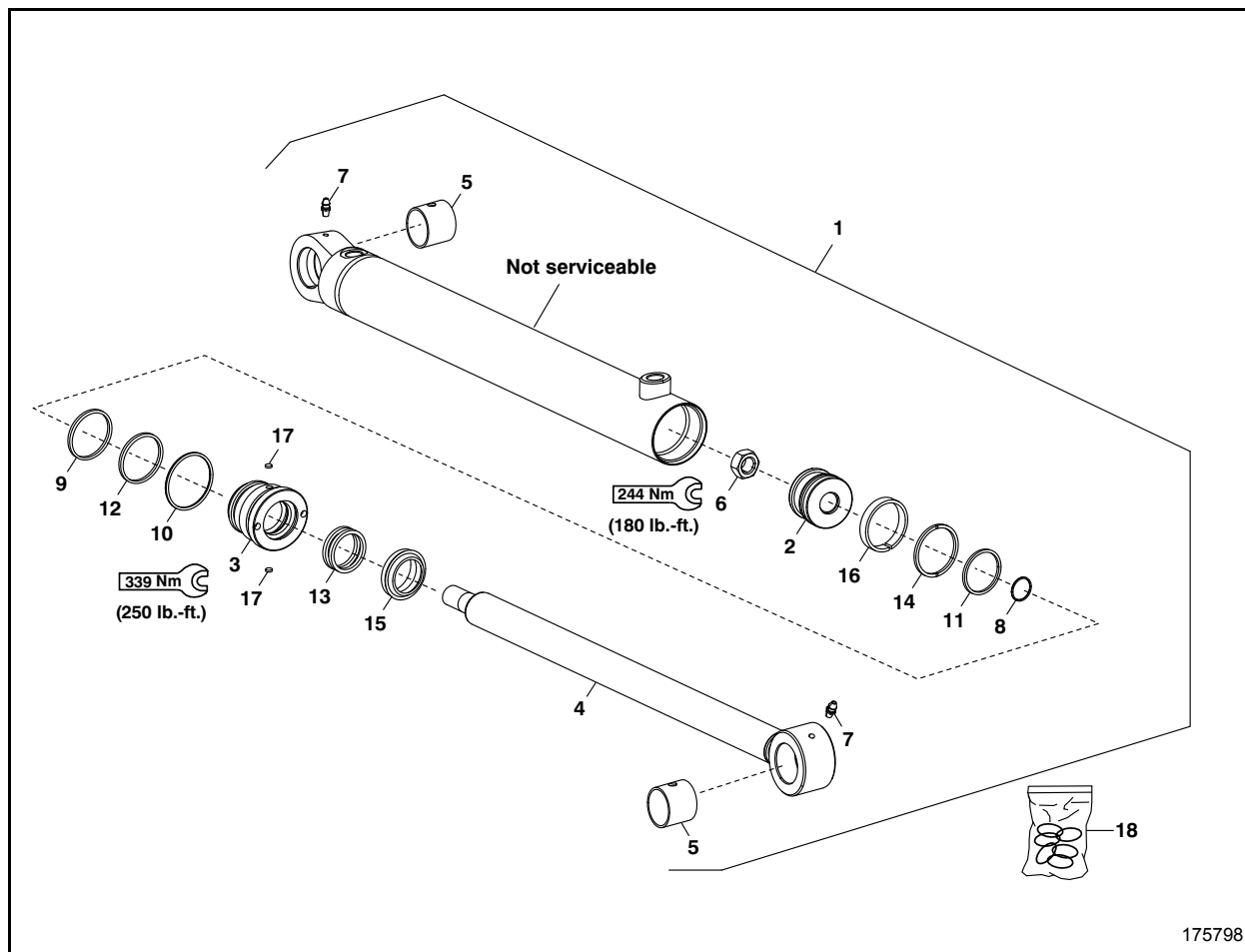


Ref. No.	Part No.	Description	Qty.
1	184101	VALVE/SOL SV10-24 10T	1
2	184105	COIL	1
3	122840	CARTRIDGE/SOLENOID VALVE SV10-24-0-	1
4	121897	SAFETY SOLENOID VALVE SEAL KIT	1
5	274867	VALVE/SOLENOID/2P3W	1
6	244655	SOL VALVE W/SCREEN	1
7	240197	SHCS/M5X0.8X10MM	1
8	240202	KIT/SEAL/SV98-T39	1
9	273563	VALVE/POWER-A-TACH	1
10	50280194	COIL/12VDC	2

Ref. No.	Part No.	Description	Qty.
11	50280403	VALVE/SPOOL/3P4W	1
12	50280195	SEAL KIT/SPOOL VALVE	1
13	50280404	REGULATOR/PRIORITY FLOW	1
14	50280405	SEAL KIT/SPOOL VALVE	1

AL 240 - HYDRAULIC CYLINDERS

LIFT CYLINDER



Ref. No.	Part No.	Description	Qty.
1	175798	LIFT CYLINDER COMPLETE (Includes Ref. Nos. 2-17)	1
2	270457	PISTON	1
3	270458	HEAD GLAND	1
4	270459	ROD WELDMENT	1
5	270460	PRELUBRICATED BUSHING	2
6	080319	NUT LOCK .75-16 **	1
7	613052	FITTING/GREASE M6X1	2
8		O-RING *	1
9		O-RING *	1
10		O-RING *	1

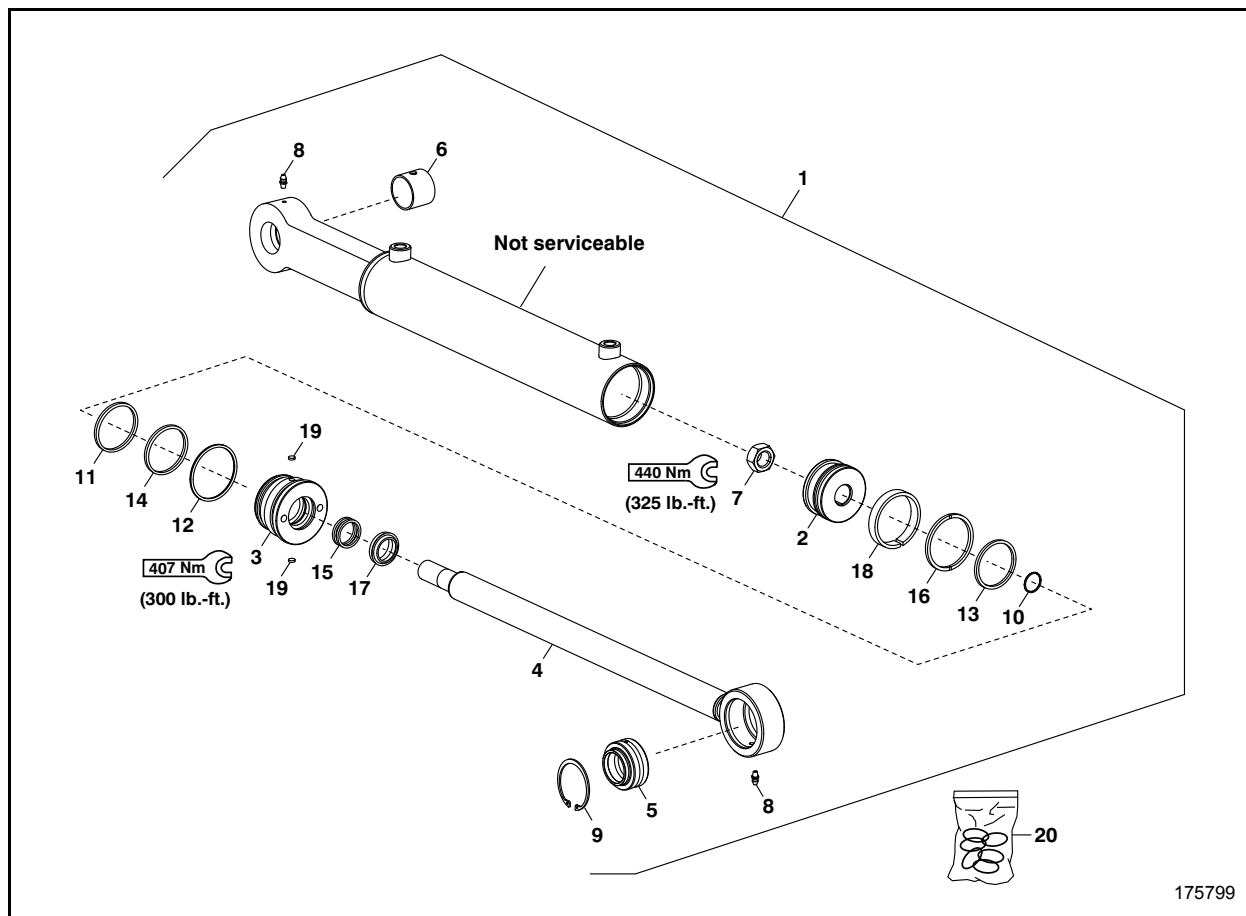
Ref. No.	Part No.	Description	Qty.
11		SQUARE RING *	1
12		BACKUP RING *	1
13		Z-SEAL *	1
14		SQUARE SECT. TFE PISTON SEAL *	1
15		HD ROD WIPER, SEALED OD *	1
16		WEARBAND *	1
17		LOCKING INSERT *	2
18	270461	KIT/SEAL (Includes Ref. Nos. 8-17)	1

* Parts not serviced separately.

** Requires Loctite® 271 or equivalent.

AL 240 - HYDRAULIC CYLINDERS

TILT CYLINDER



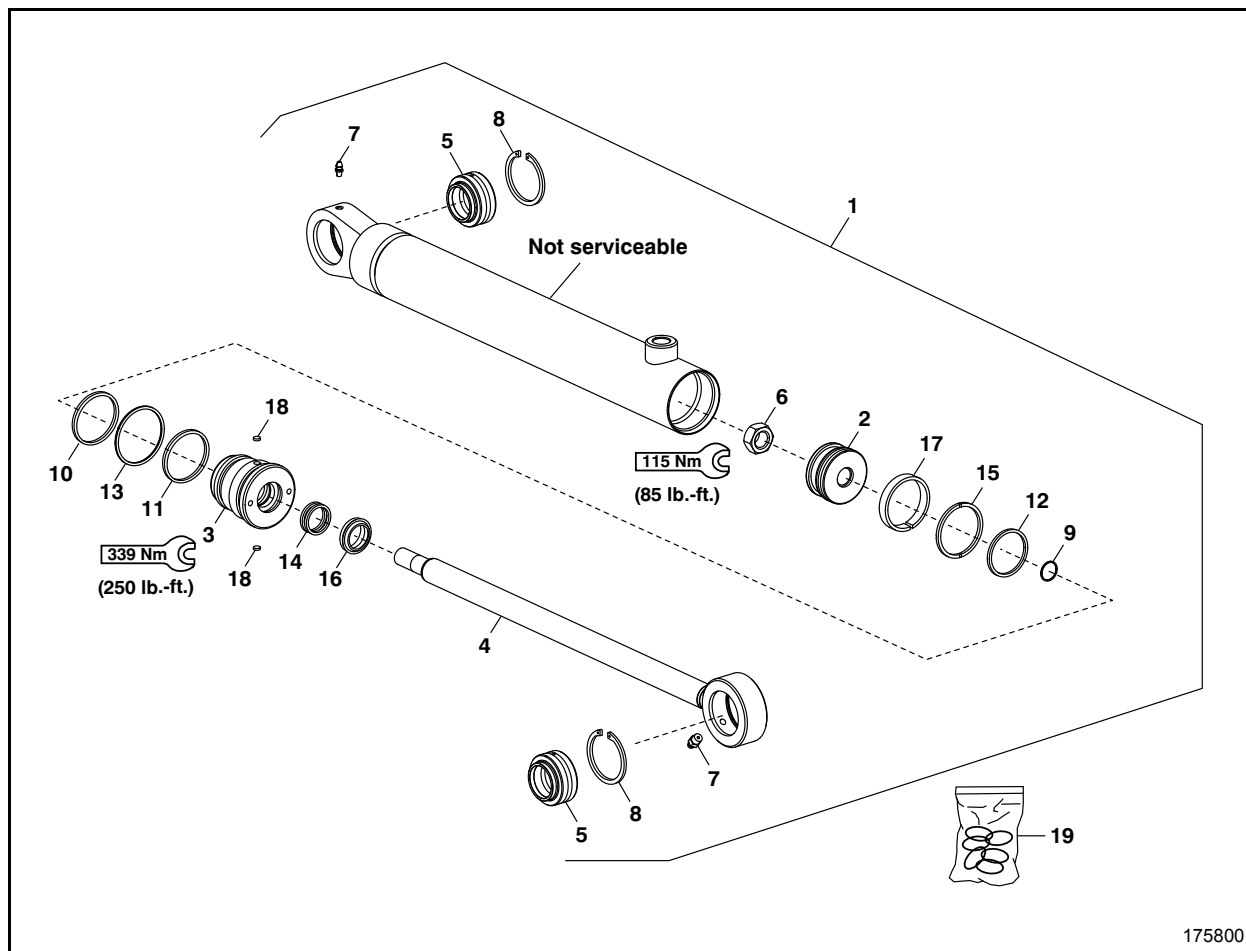
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	175799	TILT CYLINDER COMPLETE (Includes Ref. Nos. 2-19)	1	13		SQUARE RING *	1
2	270575	PISTON	1	14		BACKUP RING *	1
3	270576	HEAD GLAND	1	15		Z-SEAL *	1
4	270577	ROD WELDMENT	1	16		SQUARE SECT. TFE PISTON SEAL *	1
5	270453	40MM SPHERICAL BEARING	2	17		HD ROD WIPER, SEALED OD *	1
6	270454	PRELUBRICATED BUSHING	2	18		WEARBAND *	1
7	080313	NUT LOCK 1.00-14 **	1	19		LOCKING INSERT *	2
8	613052	FITTING/GREASE M6X1	2	20	270578	KIT/SEAL (Includes Ref. Nos. 10-19)	1
9	270455	INT. SNAP RING 2.44 BORE	1				
10		O-RING *	1				
11		O-RING *	1				
12		O-RING *	1				

* Parts not serviced separately.

** Requires Loctite® 271 or equivalent.

AL 240 - HYDRAULIC CYLINDERS

STEERING CYLINDER



Ref. No.	Part No.	Description	Qty.
1	175800	CYL/HYD/STEERING COMPLETE (includes Ref. Nos. 1-18)	1
2	270423	PISTON	2
3	270424	HEAD GLAND	1
4	270425	ROD WELDMENT	1
5	270426	SPHERICAL BEARING	1
6	270427	LOCKNUT/5/8-18 UNF **	1
7	613052	FITTING/GREASE M6X1	2
8	270429	RING/INT SNAP 1.88	1
9		O-RING *	1
10		O-RING *	1
11		O-RING *	1

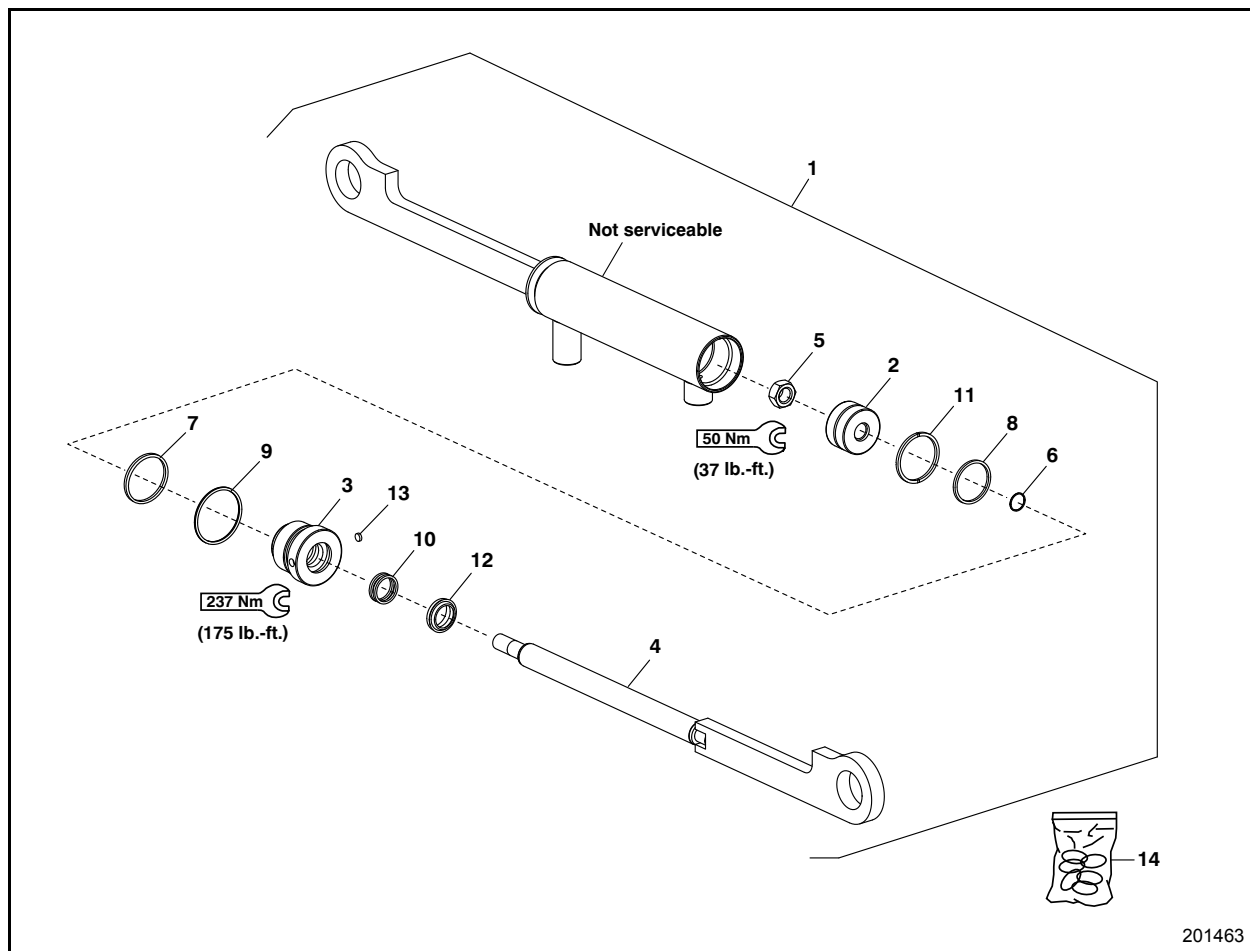
Ref. No.	Part No.	Description	Qty.
12		SQUARE RING *	1
13		BACKUP RING *	1
14		Z-SEAL *	1
15		SQUARE SECT. TFE PISTON SEAL *	1
16		HD ROD WIPER, SEALED OD *	1
17		WEARBAND *	1
18		LOCKING INSERT *	2
19	270430	KIT/SEAL (includes Ref. Nos. 9-18)	1

* Parts not serviced separately.

** Requires Loctite® 271 or equivalent.

AL 240 - HYDRAULIC CYLINDERS

POWER-A-TACH CYLINDER



201463

Ref. No.	Part No.	Description	Qty.
1	201463	CYL/HYD POWER-A-TACH (includes Ref. Nos. 2-13)	1
2	202664	PISTON	1
3	202665	HEAD GLAND	1
4	202666	ROD WELDMENT	1
5	202667	LOCKNUT 1/2-20 UNF **	1
6		O-RING *	1
7		O-RING *	1
8		SQUARE RING *	1
9		BACKUP RING, DYNAMIC *	1

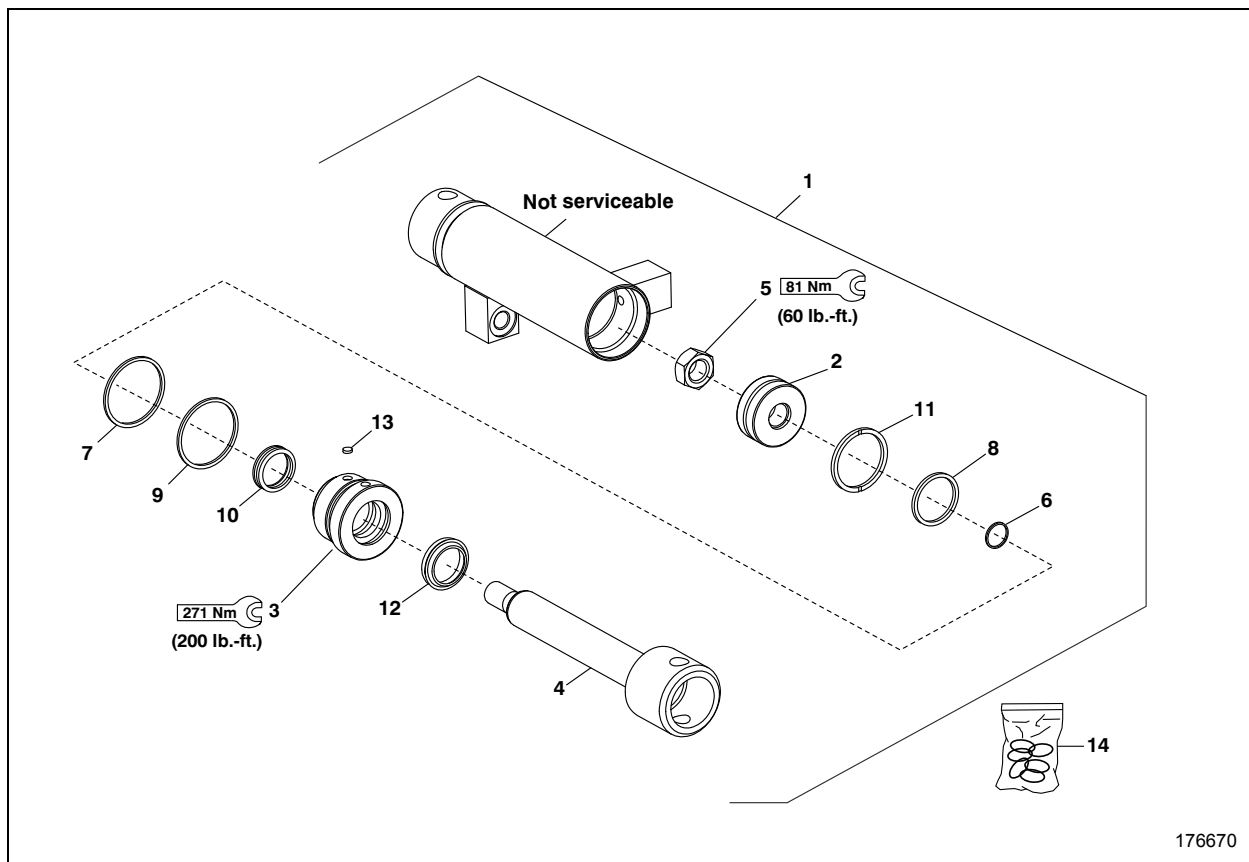
Ref. No.	Part No.	Description	Qty.
10		DEEP Z-SEAL *	1
11		SQUARE SECT. TFE PISTON SEAL *	1
12		HD ROD WIPER, SEALED OD *	1
13		LOCKING INSERT *	2
14	271021	KIT/SEAL (includes Ref. Nos. 6-13)	1

* Parts not serviced separately.

** Requires Loctite® 271 or equivalent.

AL 240 - HYDRAULIC CYLINDERS

4-POINT QUICK-A-TACH CYLINDER



Ref. No.	Part No.	Description	Qty.
1	176670	CYLINDER (includes Ref. Nos. 2-13)	1
2	203869	PISTON	1
3	203870	HEAD GLAND	1
4	203871	ROD WELDMENT	1
5	270427	LOCKNUT 5/8-18 UNF **	1
6		O-RING *	1
7		O-RING *	1
8		SQUARE RING *	1
9		BACKUP RING, DYNAMIC *	1

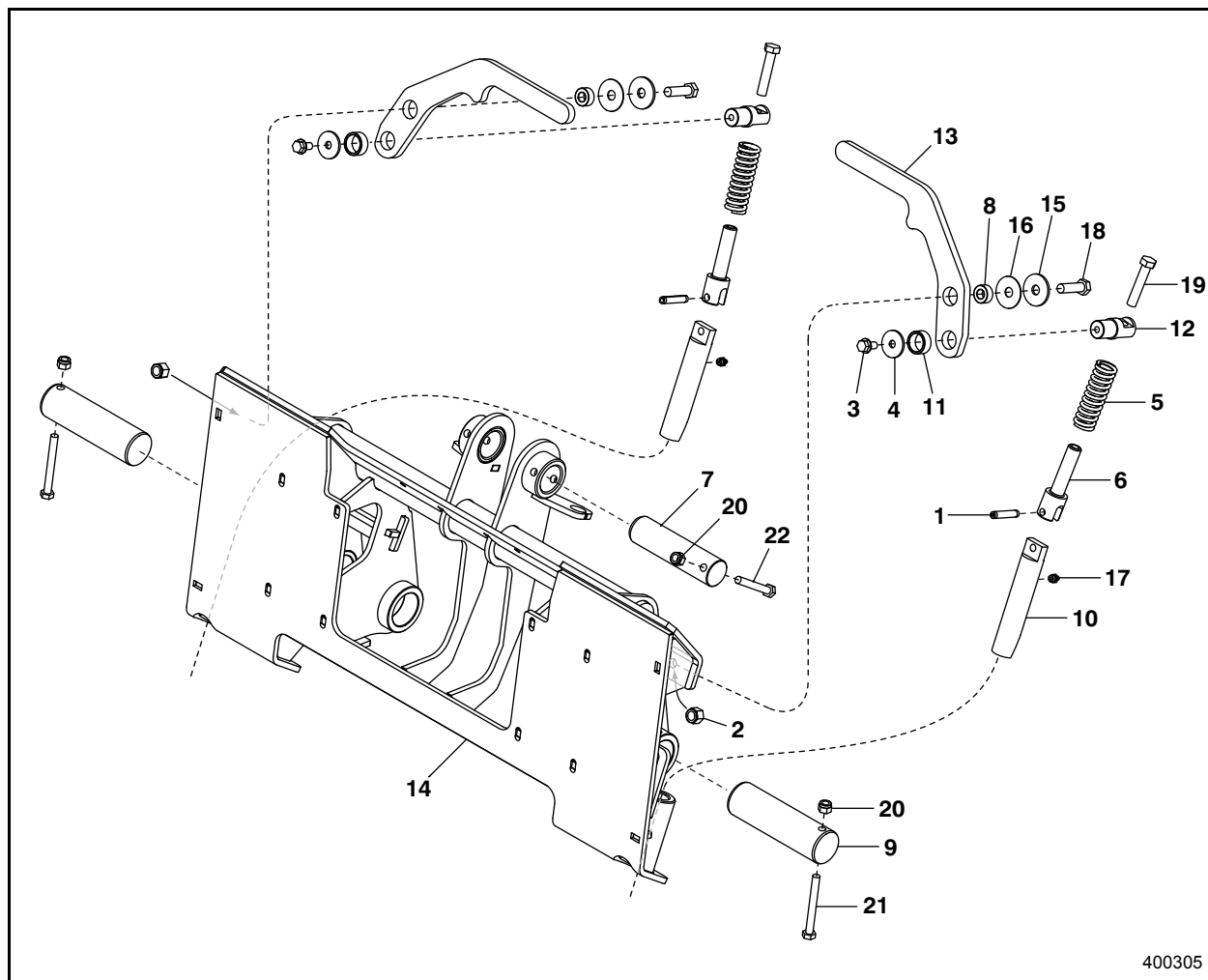
Ref. No.	Part No.	Description	Qty.
10		DEEP Z-SEAL *	1
11		SQUARE SECT. TFE PISTON SEAL *	1
12		HD ROD WIPER, SEALED OD *	1
13		LOCKING INSERT *	1
14	271986	KIT/SEAL (Includes Ref. Nos. 6-13)	1

* Parts not serviced separately.

** Requires Loctite® 271 or equivalent.

AL 240 - ATTACHMENTS

ALL-TACH

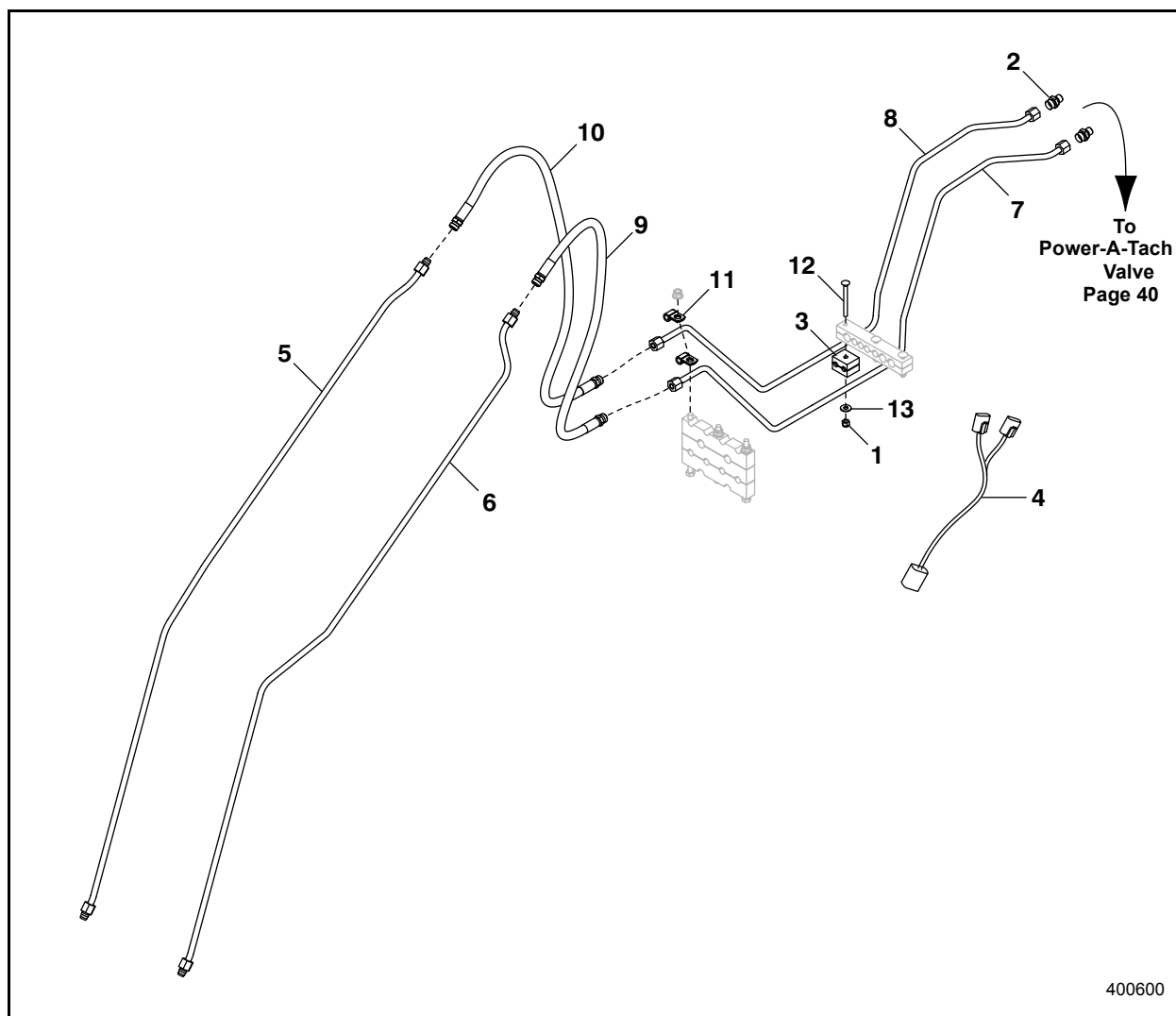


400305

Ref. No.	Part No.	Description	Qty.
1	062756	PIN/SPRING 3/8X2	2
2	068034	HLN INST 1/2 CZY	2
3	076588	CS FL LOCK 3/8X3/4 C5ZY	2
4	080926	FW 13/32 ZY	2
5	123554	SPRING, COMPRESSION	2
6	134594	ADAPTOR/ROD	2
7	175980	PIN/PIVOT	1
8	176187	BUSHING	2
9	176666	PIN/PIVOT 50MM	2
10	183575	PIN/LATCH	2
11	201397	SPACER	2
12	201473	ADAPTOR/PUSH ROD	2

Ref. No.	Part No.	Description	Qty.
13	201474	LEVER/BUCKET PIN	2
14	273019	WDMT/NARROW ATTACH BRKT	1
15	400-30803	FW 17/32 ZY	2
16	400-32252	WASHER, CUPPED SPRING	2
17	613021	FITTING/GREASE M10X1	2
18	650569	CS 1/2X1-3/4 C5ZY	2
19	651239	CS 1/2X2-1/2 C8ZY	2
20	651448	LN INS M10-1.5 C8 ZY DIN6924	3
21	656015	CS M10-1.5X90 C8.8 ZY DIN931	2
22	656117	CS M10-1.5X75 C8.8 ZY DIN931	1

AL 240 - ATTACHMENTS ATTACHMENT HYDRAULICS



Ref. No.	Part No.	Description	Qty.
1	071401	HLN INST 1/4 CZY	1
2	176530	ST MC10-MBSPP04-L **	2
3	194309	CLAMP/TUBE .38 TWIN	1
4	201479	HARNESS/HYD POWER-A-TACH	1
5	270832	TUBE/HYDRAULIC	1
6	270833	TUBE/HYDRAULIC	1
7	273944	TUBE	1
8	273945	TUBE	1
9	274155	HOSE/MP 5 X 1016MM	1

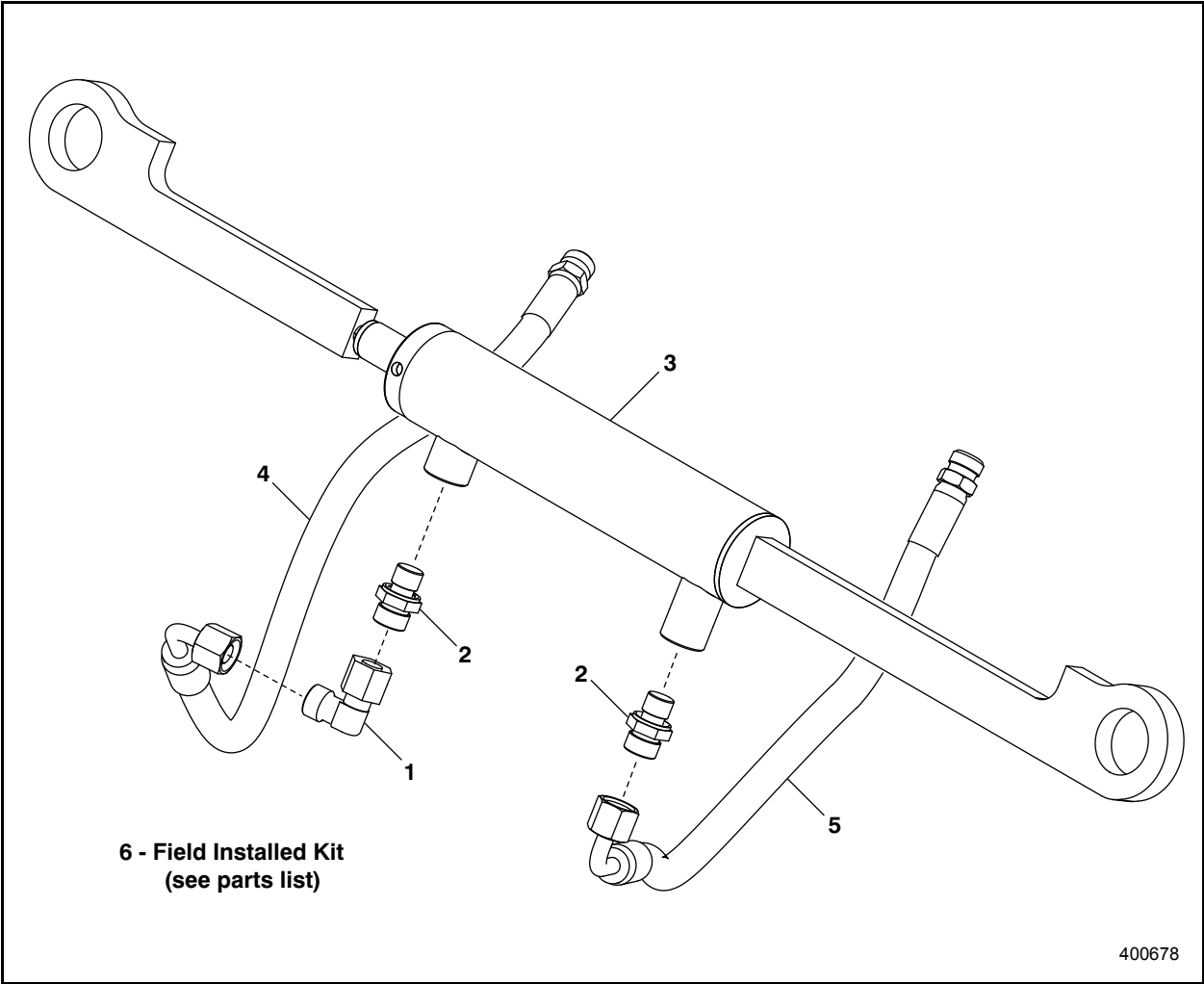
Ref. No.	Part No.	Description	Qty.
10	274156	HOSE/MP 5 X 978MM	1
11	420-19671	CLAMP/HOSE .38 X .41 HOLE	2
12	651095	CB 1/4X2-3/4 C2ZY	1
13	654002	FW 1/4 AWZY	1

* See Page 91 for hose/o-ring information.

** See Page 90 for o-ring/seal/description information.

AL 240 - ATTACHMENTS

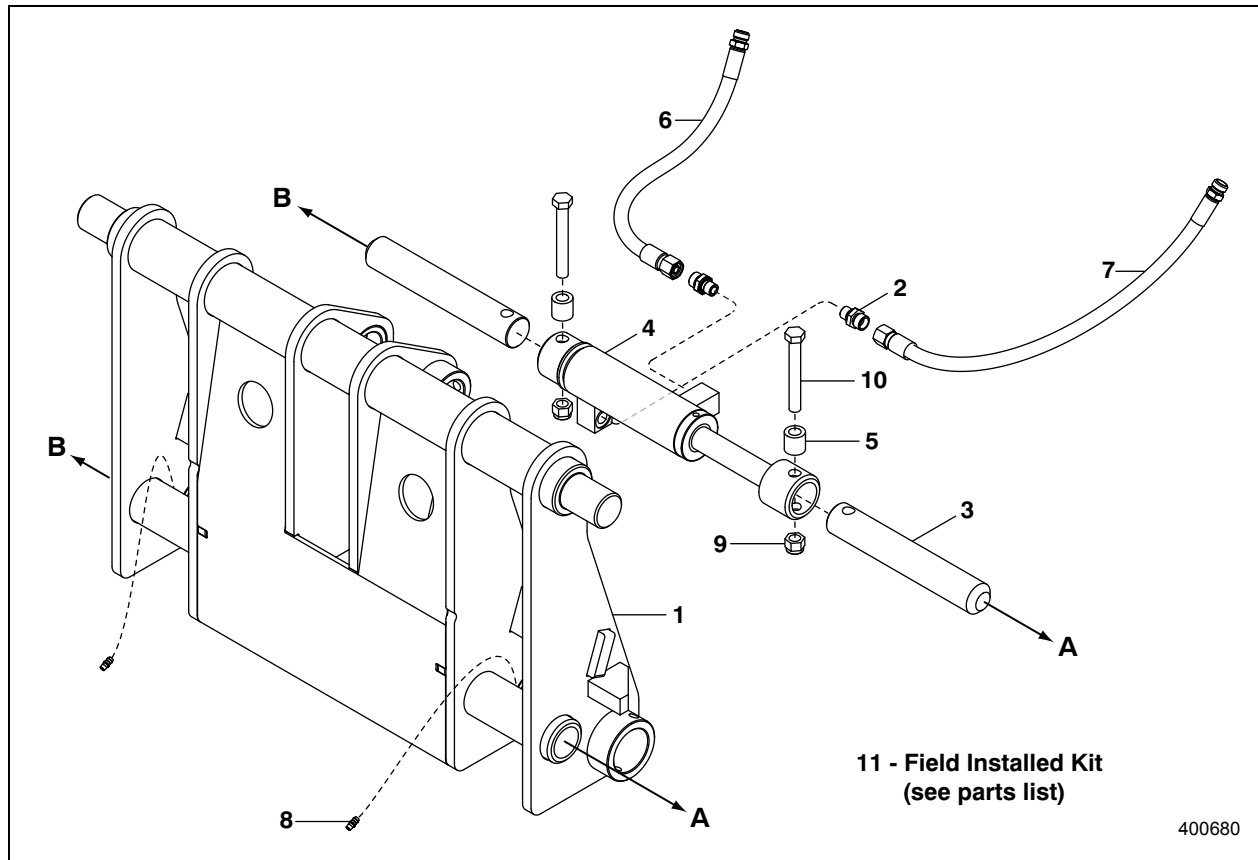
POWER-A-TACH



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	176364	90 FCS10-MC10-L **	1	6	809673	KIT/POWER-A-TACH CYL (includes all parts on page)	1
2	176530	ST MC10-MBSPP04-L **	2	* See Page 91 for hose/o-ring information. ** See Page 90 for o-ring/seal/description information.			
3	201463	CYL/HYD QUICK ATTACH (See Page 56 for details)	1				
4	271882	HOSE/MP 5 X 400MM *	1				
5	271885	HOSE/MP 5 X 420MM *	1				

AL 240 - ATTACHMENTS

4-PT QUICK-A-TACH



Ref. No.	Part No.	Description	Qty.
1	176403	WDMT/4-PT QUICK-A-TACH	1
2	176530	ST MC10-MBSPP04-L **	2
3	176667	PIN	2
4	176670	CYLINDER (See Page 57 for details)	1
5	176671	SPACER	2
6	271994	HOSE/MP 5 X 375MM *	2
7	271995	HOSE/MP 5 X 450MM *	2
8	613052	FITTING/GREASE M6X1	2

Ref. No.	Part No.	Description	Qty.
9	651449	LN INST M12-1.75 C8 ZY DIN6924	2
10	656022	CS M12-1.75X90 C8.8 ZY DIN931	2
11	809676	KIT/4 PT HYD QUICK-A-TACH (includes all parts on page)	1

* See Page 91 for hose/o-ring information.

** See Page 90 for o-ring/seal/description information.

GENERAL INFORMATION

Decal location information is provided to assist in the proper selection and application of new decals, in the event the original decals become damaged or the machine is repainted. Refer to the listing for the illustration reference number, part number, description and quantity of each decal. Refer to the appropriate illustrations for replacement locations.

To ensure proper selection of the correct replacement decals, compare all of the various closeup location drawings to your machine before starting to refinish the unit. Then circle each decal shown (applicable to your machine) while checking off its part number in the listing.

NOTE: *Refer to the SAFETY chapter of the Operator's Manual for specific information provided on the various safety decals.*

NEW DECAL APPLICATION

If there is a decal on a part that is to be replaced, be sure that the decal is applied to the replacement part. Surfaces **MUST** be free from dirt, dust, grease and other foreign material before applying the new decal. To apply, remove the smaller portion of the decal backing paper and apply this part of the exposed adhesive backing to the clean surface while maintaining proper position and alignment. Peel the other portion of the backing paper off slowly while applying hand pressure to smooth out the decal surface.

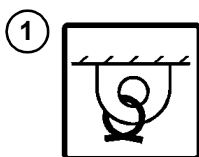
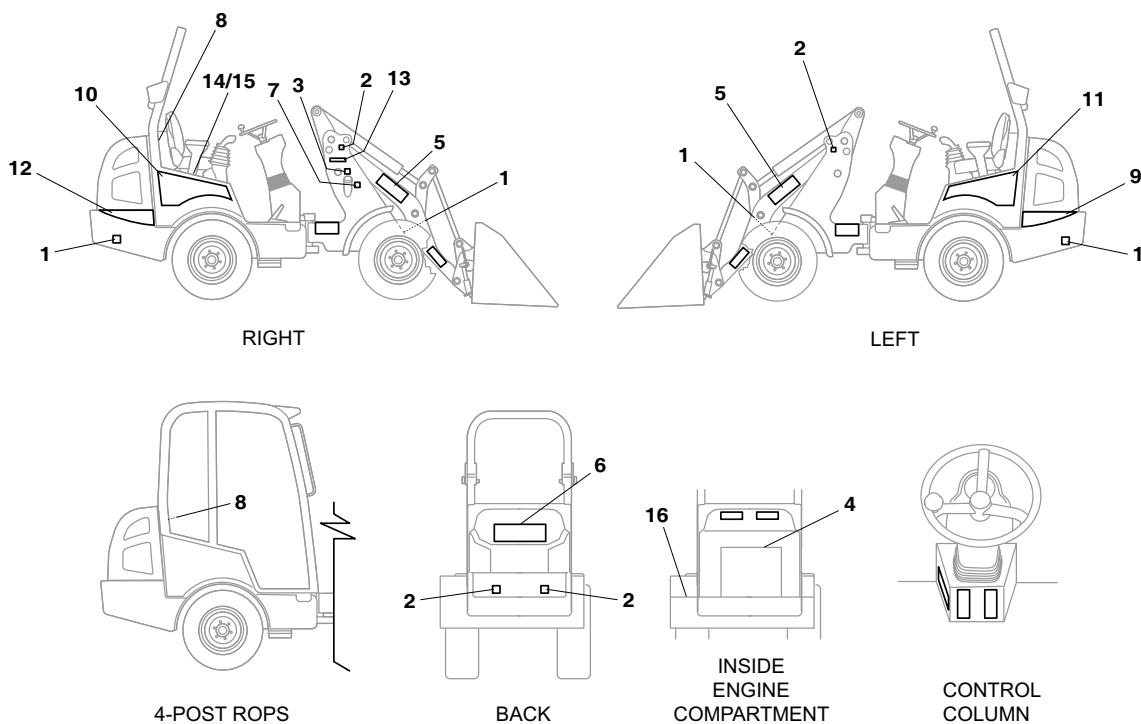


CAUTION

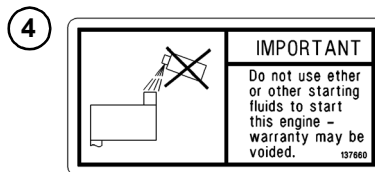
ALWAYS follow safety precautions on decals. Replace decals if they are damaged, or if the unit is repainted. If repainting, **BE SURE** all applicable decals are affixed to the unit.

AL 240 - DECALS

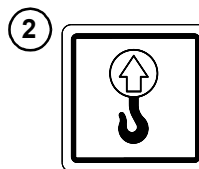
COMMON DECALS



① Located near the tie-down points at the front/rear of the machine



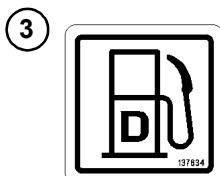
④ Located on top of the radiator



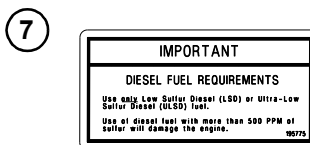
② Located near the lift points at each side of the front frame and the rear of the machine



⑤
⑥ Located on the lift arms (5) and the engine cover (6)



③ Located next to the fuel tank filler neck



⑦ Located next to the fuel tank filler neck

AL 240 - DECALS

COMMON DECALS

8



Located inside the ROPS/FOPS

13



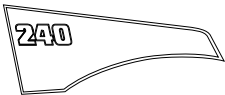
Located on the top right surface of the front frame on the serial plate

9



Located below the engine cover at the left side of the machine

10

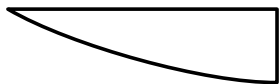
Located on the right platform surface

11



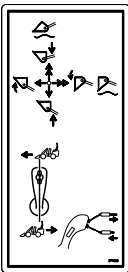

Located on the left platform surface

12



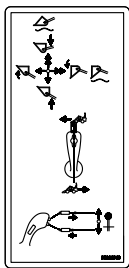
Located below the engine cover at the right side of the machine

14

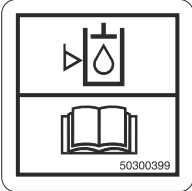


Located behind the joystick

15



16



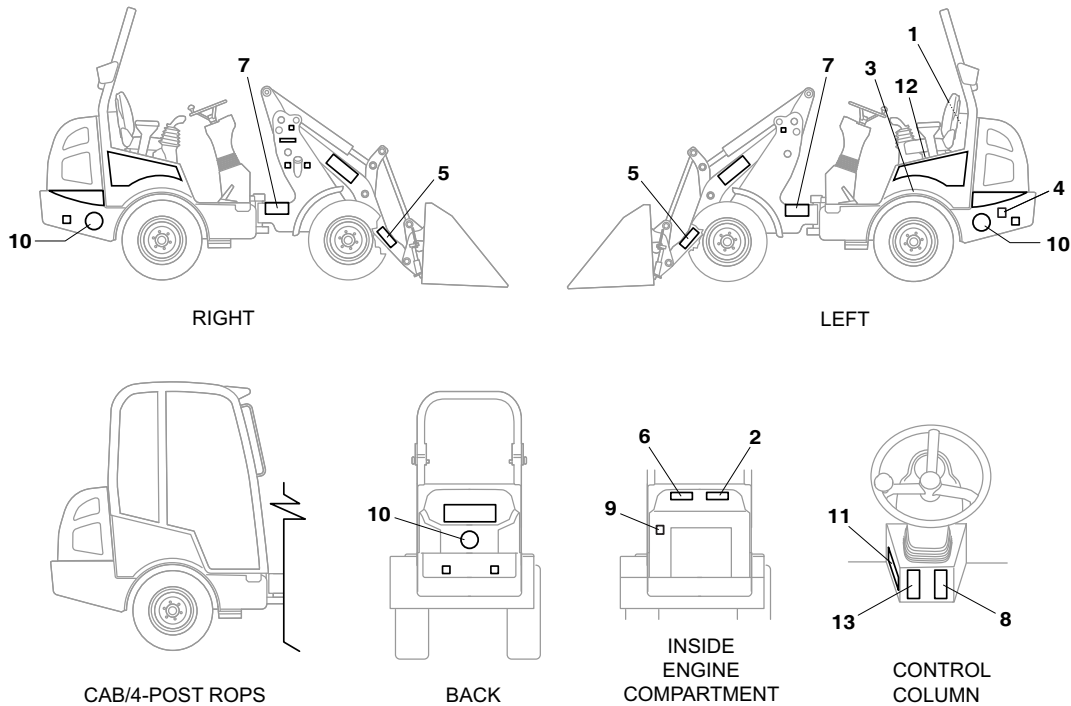
Located next to the hydraulic fluid reservoir filler neck

Ref. No.	Part No.	Description	Qty.
1	104945	DECAL/TIE DOWN	4
2	104946	DECAL/ LIFT POINT	4
3	137634	DECAL/DIESEL FUEL	1
4	137660	DECAL, ETHER	1
5	50303615	DECAL/GEHL 3.69 X 15.92 (SN 21349 and Up)	2
	183963	DECAL/GEHL 3.75 X 15.92 (SN 21244 - 21348)	2
6	50303900	DECAL/GEHL 4.73 X 20.42 (SN 21349 and Up)	1
	184306	DECAL/GEHL 4.75 X 20.16 (SN 21244 - 21348)	1
7	195775	DECAL/FUEL/SULFUR	1
8	201078	DECAL/WARNING	1
9	201394	DECAL/TRIANGLE LH	1

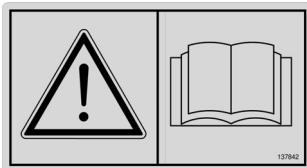
Ref. No.	Part No.	Description	Qty.
10	50303909	DECAL/MODEL AL240 RH (SN 21349 and Up)	1
	201537	DECAL/MODEL AL240 RH (SN 21244 - 21348)	1
11	50303908	DECAL/MODEL AL240 LH (SN 21349 and Up)	1
	201538	DECAL/MODEL AL240 LH (SN 21244 - 21348)	1
12	270018	DECAL/TRIANGLE RH	1
13	270087	DECAL/AL240 GEHL	1
14	274258	DECAL/JOYSTICK (SN 21292 and Before)	1
15	50301543	DECAL/JOYSTICK (SN 21293 and Up)	1
16	50300399	DECAL/HYDRAULIC FILL	1

AL 240 - DECALS

ISO-STYLE DECALS



①



Located behind the operator's seat on the document box

④



Located on the chassis near left rear wheel

②



Located on the firewall inside the engine compartment

⑤



Located on the lift arm

③



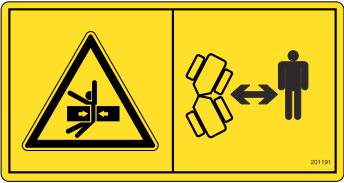
Located under the platform on the left rear wheel well

⑥



Located on the firewall inside the engine compartment

7



Located at each side of the front frame by the articulating steering joint

11



Located on the steering column left surface

8



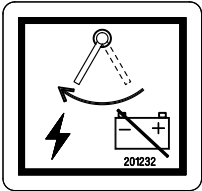
Located on the steering column rear surface

12



Located on operator's platform beneath park brake lever (2-Post ROPS only)

9



Located inside the engine compartment at the left side

13



Located on the steering column rear surface

10



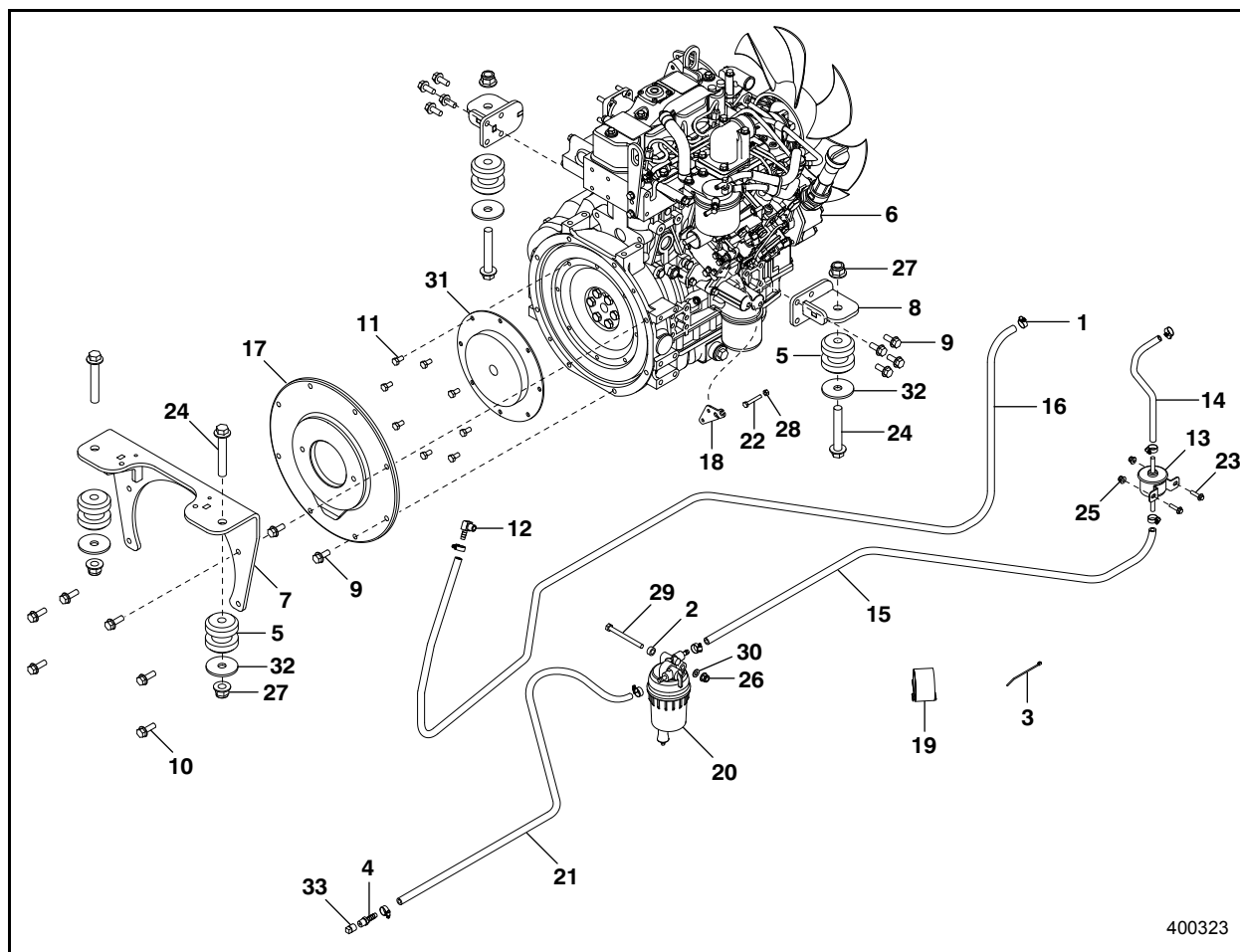
Located at the right and left rear of the chassis and the engine hood

400665

Ref. No.	Part No.	Description	Qty.
1	137842	DECAL/WARNING,MANUAL	1
2	137846	DECAL/DANGER HOT SURFACE	1
3	184711	DECAL/WARNING ROPS EU	1
4	189823	DECAL/SOUND 101	1
5	201163	DECAL/ATTACHMENT BRACKET	2
6	201190	DECAL/WARNING GENERAL EU	1
7	201191	DECAL/CRUSHING WARNING	2
8	201220	DECAL/WARNING GENERAL EU	1
9	201232	DECAL/BAT DISCONNECT	1
10	270114	DECAL/MAX SPEED (Road Homologation Only)	

Ref. No.	Part No.	Description	Qty.
11	273901	DECAL/WARNING GENERAL	1
12	274028	DECAL/FOPS EU	1
13	274564	DECAL/SAFETY SHUTDOWN EU	1

AL 240 - ENGINE ENGINE ASSEMBLY

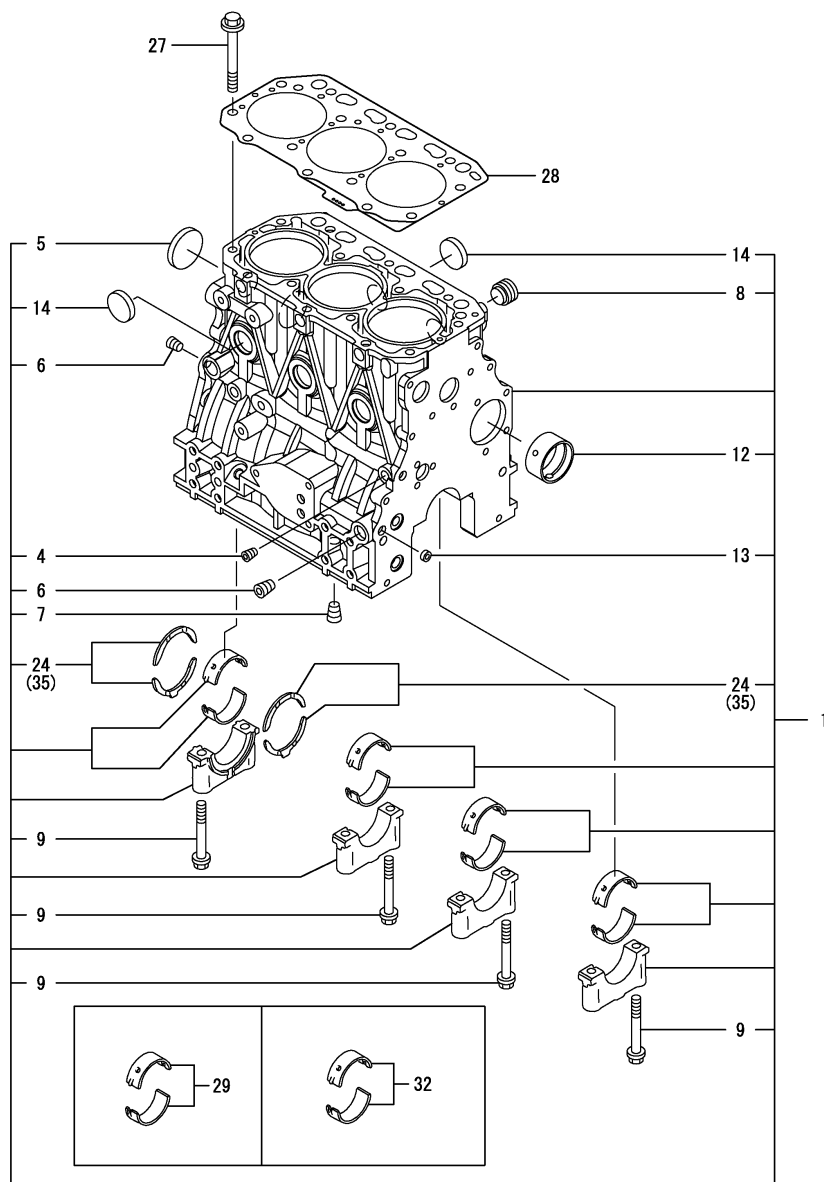


400323

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	062023	CLAMP/HOSE #05 M	8	19	271090	STRAP/BUNDLE/HOSE	1
2	091716	SPACER	1	20	188492	SEPARATOR ASSY (see Page 85 for part detail)	1
3	130208	TIE/CABLE .09 X 3.75 BLACK	6	21	271184	FUEL LINE PUMP-TANK	1
4	133074	ST HB05-MP04 BRASS	1	22	651662	CS M6-1.00X40 C8.8 ZY DIN931	1
5	137063	ISOLATOR -11 RED-WHITE	4	23	651694	CS FL M6-1.00X25 C8.8 ZY DIN1662	2
6	175989	ENGINE ASSEMBLY 3TNV88	1	24	651703	CS FL M16-2.00X100 C8.8 ZY DIN1662	4
7	176076	WDMT/FRONT MOTOR MOUNT	1	25	651705	LN INST FL M6-1.00 C8 ZY DIN6926	2
8	176203	WDMT/REAR ENGINE MOUNT	2	26	651706	LN INST FL M8-1.25 C8 ZY DIN6926	1
9	176653	CS FLH M10-1.5X25 C8.8ZY SP DIN1665*	10	27	651709	LN INST FL M16-2.00 C8 ZY DIN6926	4
10	201181	CS M10-1.50X30 C8.8ZY SP DIN931*	6	28	656047	HN M6-1 C8 ZY DIN934	1
11	176658	CS M8-1.25X16 C8.8ZY SP DIN931*	8	29	656089	CS M8-1.25X90 C8.8 ZY DIN931	1
12	186080	90 HB05-MP04 BRASS	1	30	656111	FW M8 ZY DIN125	1
13	186308	PUMP ASSY FUEL FEED	1	31	250-32577	DRIVE PLATE, FLEXIBLE	1
14	201040	FUEL LINE PUMP-ENGINE	1	32	400-21568	WASHER (PLATED)	4
15	201046	FUEL LINE PUMP-SEPARATOR	1	33	L72019	PLUG/PIPE .25	1
16	201049	FUEL LINE RETURN	1				
17	273190	PLATE/PUMP MOUNT (to Hydraulic Drive)	1				
18	201110	THROTTLE CABLE BRACKET	1				

* Re-use of bolts requires Loctite® 262 or equivalent.

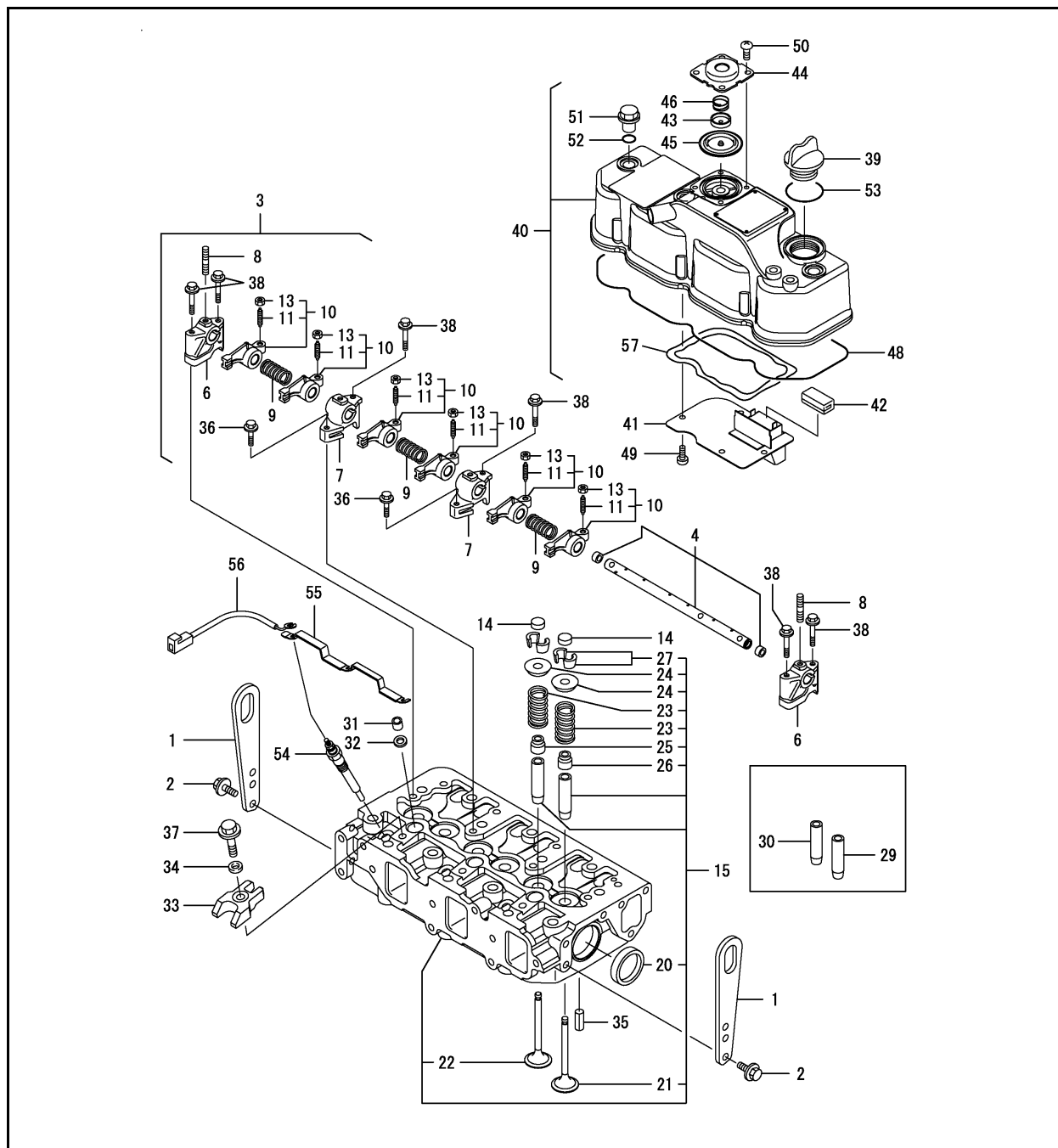
AL 240 - ENGINE CYLINDER BLOCK



Ref. No.	Part No.	Description	Qty.
1	188762	BLOCK ASSY/CYLINDER	1
4	425-34723	PLUG PT 1/8	1
5	425-36240	PLUG	1
6	425-34721	PLUG PT 1/4	2
7	425-34721	PLUG PT 1/4	1
8	425-34722	PLUG	1
9	425-34730	BOLT	8
12	425-34732	BUSHING/CAMSHAFT	1
13	425-34725	PLUG 12	2

Ref. No.	Part No.	Description	Qty.
14	425-34726	PLUG30	6
24	425-34731	THRUST BEARING	2
27	425-34638	BOLT/CYLINDER HEAD	14
28	425-36241	GASKET	1
29	425-35931	MAIN BEARING SET	4
32	425-34734	MAIN BEARING SET (US=0.25)	4
35	425-34735	THRUST BEARING (OS=0.25)	1

AL 240 - ENGINE CYLINDER HEAD AND COVER



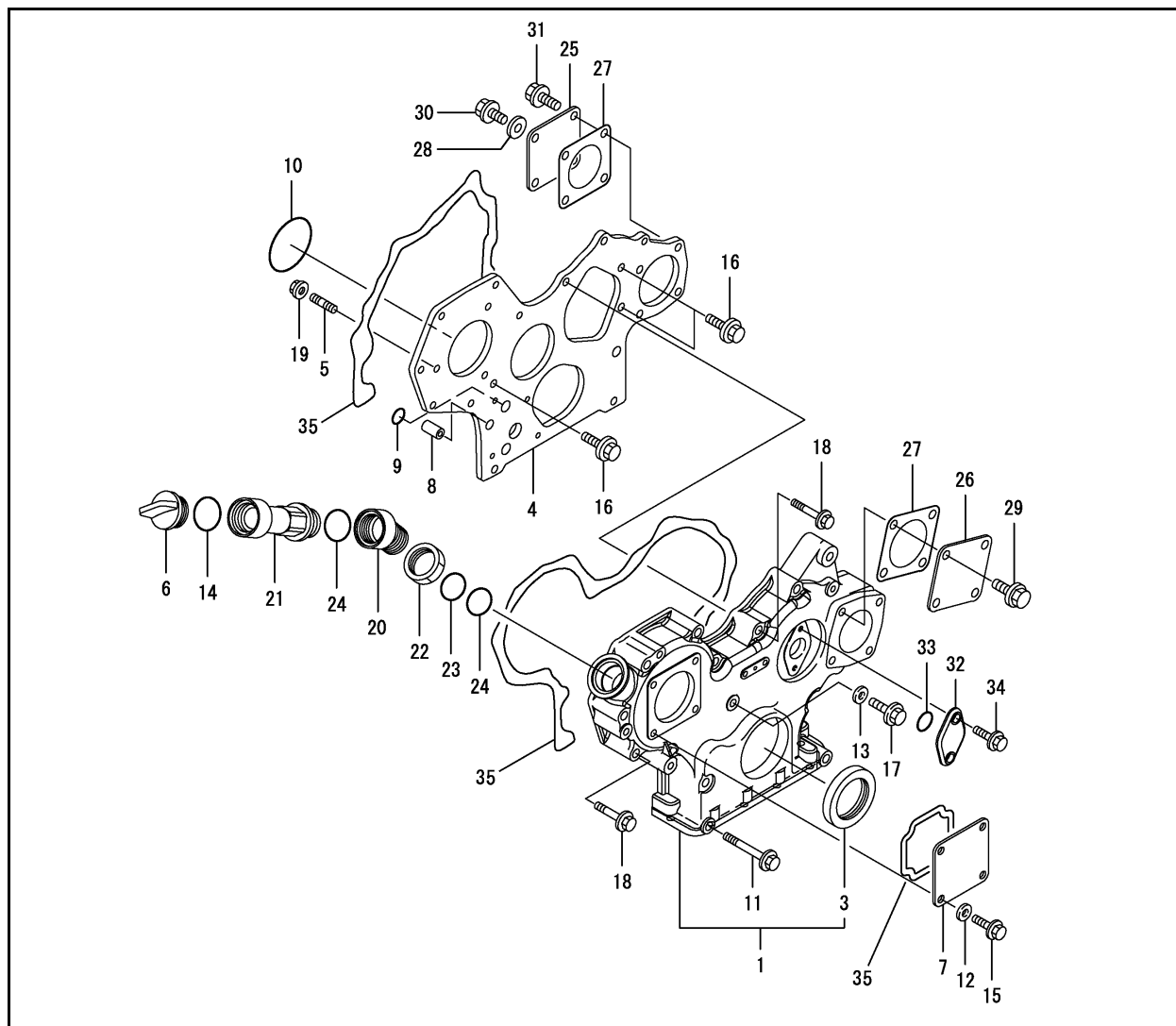
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	188679	LIFT BRACKET	2	11	188596	SCREW/VALVE	6
2	425-34733	BOLT M8 X 16 PLATED	4	13	425-34791	NUT M8 X P-1.0	6
3	188540	SHAFT ASSY/ROCKER	1	14	425-34782	CAP, VALVE	6
4	188541	SHAFT/ROCKER ARM	1	15	270950	HEAD/CYLINDER ASSY	1
6	188470	SUPPORT/ROCKER ARM	2	20	425-34779	PLUG 40	2
7	188471	SUPPORT/ROCKER ARM	2	21	188559	VALVE/INTAKE	3
8	188472	STUD	3	22	425-34639	VALVE/EXHAUST	3
9	188597	SPRING	3	23	425-34643	SPRING, VALVE	6
10	188544	ARM ASSY/ROCKER	6	24	425-34644	RETAINER, SPRING	6

AL 240 - ENGINE CYLINDER HEAD AND COVER

Ref. No.	Part No.	Description	Qty.
25	188507	SEAL/VALVE STEM	3
26	425-34645	SEAL/VALVE STEM	3
27	425-34646	COTTER 8	6
29	425-34642	GUIDE, SUCTION VALVE	3
30	425-34641	GUIDE, EXHAUST VALVE	3
31	186337	PROTECTOR NOZZLE	3
32	425-34796	SEAL	3
33	188545	RETAINER/NOZZLE	3
34	188502	WASHER	3
35	425-34783	SPRING PIN 6 X 12	2
36	425-34765	BOLT M8 X 25 PLATED	2
37	425-34761	BOLT M8 X 35 PLATED	3
38	425-34766	BOLT M8 X 50 PLATED	6
39	425-34740	CAP, LUB.-OIL SUPPLY	1
40	188543	COVER ASSY/HEAD	1
41	188539	PLATE/BAFFLE	1
42	425-34769	BAFFLE	1
43	188465	PLATE/DIAPHRAGM	1
44	188466	COVER/DIAPHRAGM	1
45	188467	DIAPHRAGM	1

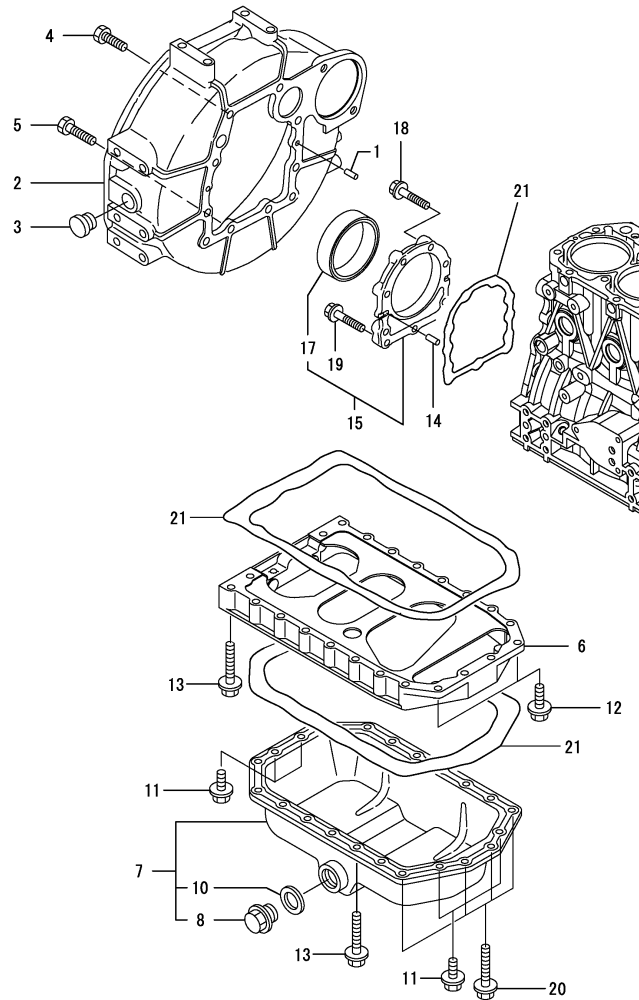
Ref. No.	Part No.	Description	Qty.
46	188469	SPRING/DIAPHRAGM	1
48	188542	GASKET/COVER	1
49	186598	SCREW 5X10 TAPPING	4
50	186598	SCREW 5X10 TAPPING	4
51	425-34775	KNOB	3
52	425-34776	O-RING 1A P-12.0	3
53	425-34745	O-RING 1A P-32.0	1
54	270951	PLUG/GLOW	3
55	270952	CONNECTOR/GLOW PLUG	1
56	270953	HARNESS/GLOW PLUG	1
57	138154	LIQUID GASKET	AR

AL 240 - ENGINE GEAR HOUSING



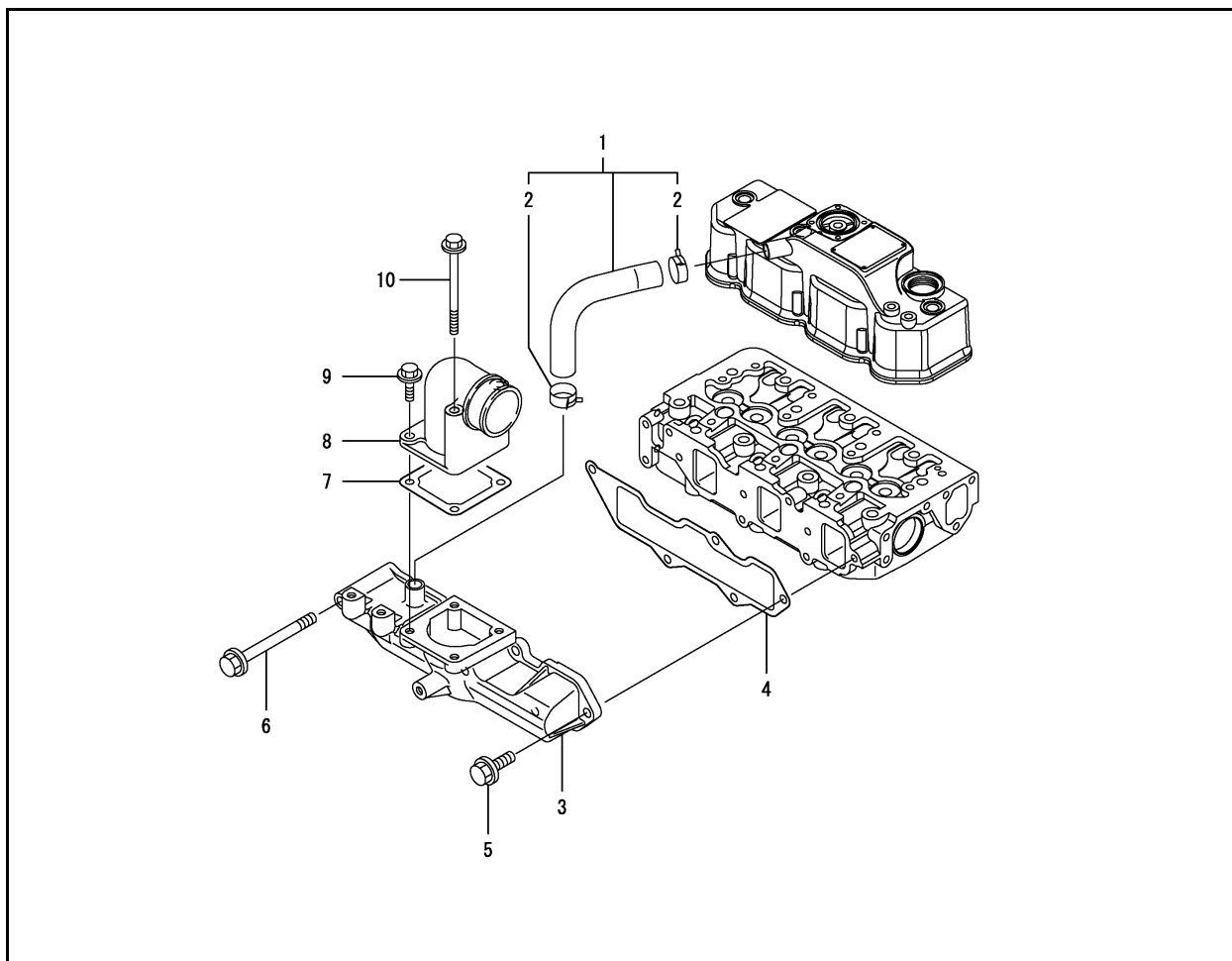
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	270945	CASE/GEAR ASSY	1	20	185643	ADAPTER	1
3	270946	SEAL/OIL	1	21	137949	PIPE	1
4	270947	FLANGE/GEAR CASE	1	22	185644	NUT	1
5	270948	STUD/M8X25	3	23	185645	O-RING	1
6	425-34740	CAP, LUB.-OIL SUPPLY	1	24	425-34745	O-RING 1A P-32.0	2
7	425-34741	COVER	1	25	425-34741	COVER	1
8	425-34743	KNOCK, PIPE	2	26	425-34741	COVER	1
9	188452	O-RING P16	2	27	425-34742	GASKET	2
10	425-34681	O-RING/GEAR HOUSING	1	28	425-34750	WASHER 8/SEAL	1
11	188537	BOLT/M8X85	3	29	425-34729	BOLT M8 X 12 PLATED	4
12	425-34750	WASHER 8/SEAL	4	30	425-34729	BOLT M8 X 12 PLATED	1
13	425-34750	WASHER 8/SEAL	1	31	425-34746	BOLT M8 X 20 PLATED	3
14	425-34745	O-RING 1A P-32.0	1	32	270949	COVER/BLIND	1
15	425-34733	BOLT M8 X 16 PLATED	4	33	425-34763	O-RING 1A S-24.0	1
16	425-34733	BOLT M8 X 16 PLATED	3	34	425-35164	BOLT M6 X 16 PLATED	2
17	425-34760	BOLT M8 X 30 PLATED	1	35	138154	LIQUID GASKET	AR
18	425-34748	BOLT M8 X 55 PLATED	10				
19	138140	NUT	3				

AL 240 - ENGINE FLYWHEEL HOUSING/OIL PAN



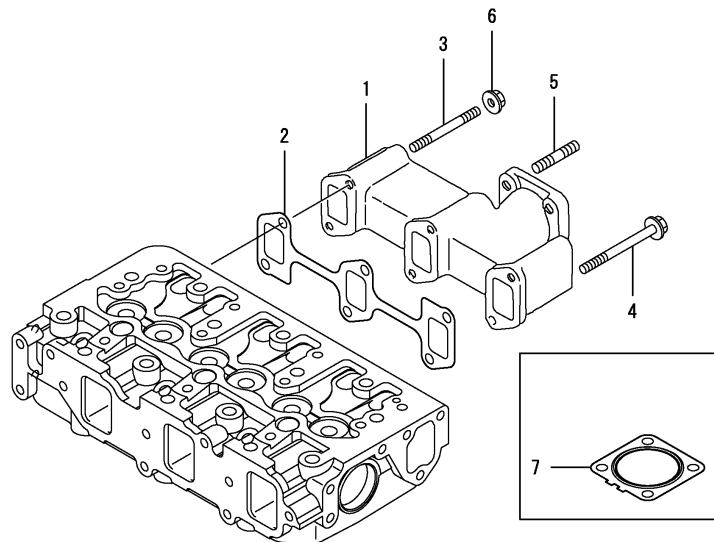
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	188573	PARALLEL PIN 8X16	2	12	425-34765	BOLT M8 X 25 PLATED	2
2	425-34754	HOUSING/FLYWHEEL	1	13	425-34747	BOLT M8 X 45 PLATED	16
3	425-34756	CAP/FILLER	1	14	188573	PARALLEL PIN 8X16	2
4	188749	BOLT/M10X25	6	15	425-34757	CASE/OIL SEAL	1
5	188750	BOLT/M10X30	4	17	425-34759	SEAL/OIL	1
6	425-35429	SPACER/OIL PAN	1	18	188640	BOLT M8X30/COLLARHEAD	6
7	425-36256	OIL PAN ASSY, LUB OIL	1	19	425-34761	BOLT M8 X 35 PLATED	3
8	425-36121	SCREW	1	20	425-34766	BOLT M8 X 50 PLATED	4
10	138113	SEAL WASHER	1	21	138154	LIQUID GASKET	AR
11	425-34733	BOLT M8 X 16 PLATED	4				

AL 240 - ENGINE INTAKE MANIFOLD



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	188558	PIPE/BREATHER	1	7	425-34649	GASKET/AIR HEATER	1
2	188632	CLAMP24	2	8	270954	BEND	1
3	188561	MANIFOLD/INTAKE	1	9	425-34746	BOLT M8 X 20 PLATED	2
4	188535	GASKET/INTAKE MANIFOLD	1	10	425-34800	BOLT M8 X 80 PLATED	2
5	425-34746	BOLT M8 X 20 PLATED	4				
6	425-34800	BOLT M8 X 80 PLATED	1				

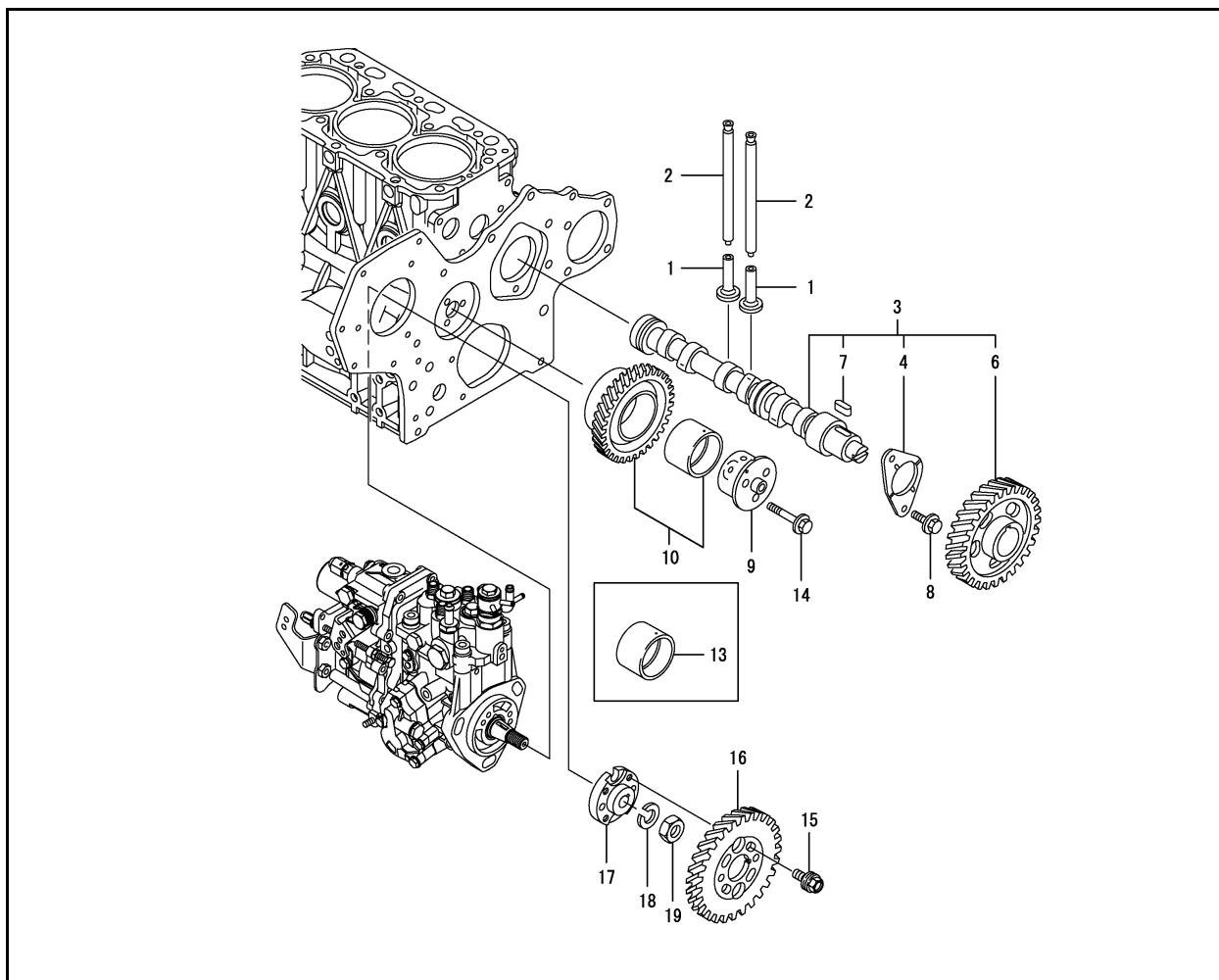
AL 240 - ENGINE EXHAUST MANIFOLD



Ref. No.	Part No.	Description	Qty.
1	425-35436	MANIFOLD/EXHAUST	1
2	425-34828	GASKET/EXHAUST MANIFOLD	1
3	138474	STUD BOLT M 8X80	2
4	186375	BOLT 8X80	4

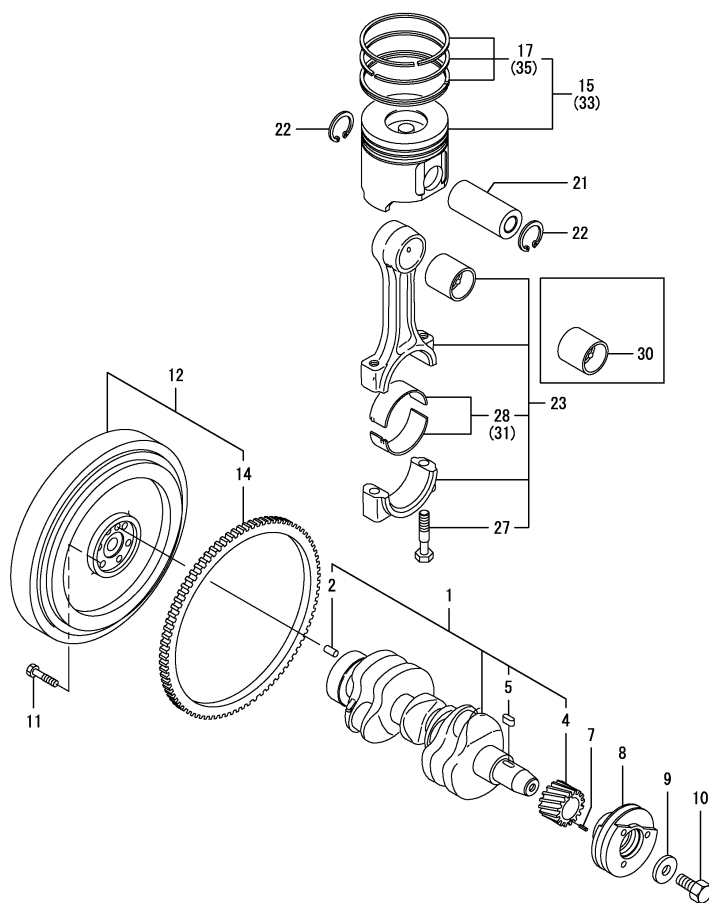
Ref. No.	Part No.	Description	Qty.
5	425-36249	BOLT M8 X 22	4
6	138140	NUT	2
7	188546	GASKET/SILENCER	1

AL 240 - ENGINE CAMSHAFT



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	425-34808	TAPPET	6	13	270958	BUSH/IDLE GEAR	1
2	188603	ROD/PUSH	6	14	425-34805	BOLT/M8X40 PLATED	3
3	425-36252	CAMSHAFT ASSEMBLY	1	15	425-36187	BOLT	4
4	425-34656	BEARING THRUST	1	16	188479	GEAR/PUMP	1
6	425-34807	GEAR, CAMSHAFT	1	17	188692	FLANGE	1
7	425-34810	KEY 7X14	1	18	188712	SPRING/WASHER14	1
8	188736	BOLT/M8X14 PLATED	2	19	188755	NUT/LOCKM14 PLATED	1
9	270956	SHAFT/IDLE GEAR	1				
10	270957	GEAR/IDLE ASSY	1				

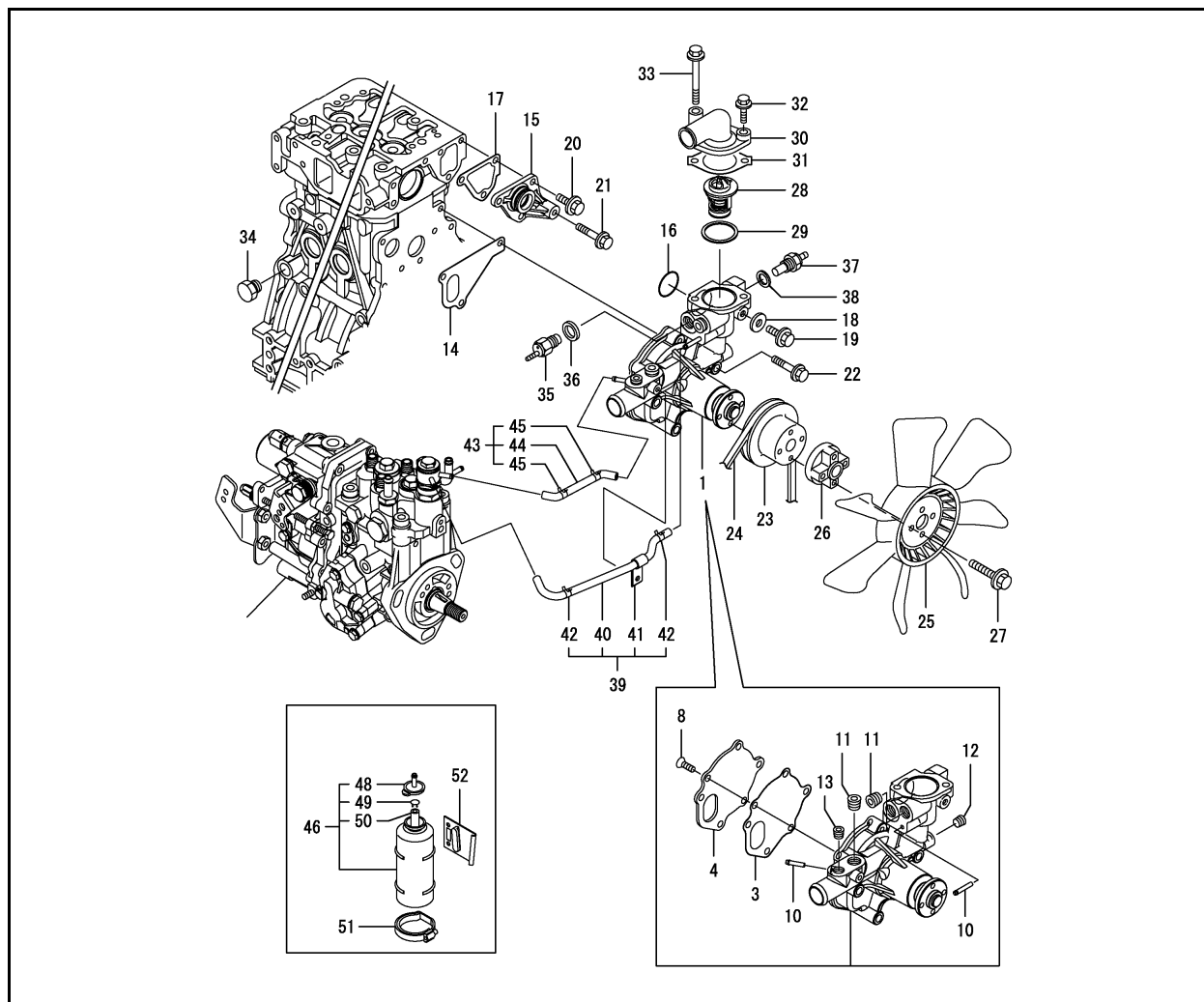
AL 240 - ENGINE CRANKSHAFT/PISTON



Ref. No.	Part No.	Description	Qty.
1	270959	CRANKSHAFT ASSY	1
2	188573	PARALLEL PIN 8X16	1
4	270960	GEAR/CRANKSHAFT	1
5	425-34810	KEY 7X14	1
7	138117	PIN/SPRING	1
8	188548	V-PULLEY/CRANKSHAFT	1
9	425-34817	WASHER	1
10	425-34818	BOLT	1
11	425-34693	BOLT, FLYWHEEL MOUNT	6
12	425-35448	FYLWHEEL W/RING GEAR	1
14	425-34694	RING GEAR	1
15	188562	PISTON ASSY	3

Ref. No.	Part No.	Description	Qty.
17	188563	RINGSET/PISTON	3
21	425-35936	PIN, PISTON	3
22	425-35937	CIRCLIP, 26	6
23	425-34698	CONNECTING ROD ASSEMBLY	3
27	425-34659	BOLT/ROD	6
28	425-34660	CRANKPIN/METAL	3
30	425-34699	BUSHING, PISTON PIN	3
31	425-34822	BEARING PIN 0.25	3
33	188564	PISTON W/RING (OS=0.25)	3
35	188565	RING SET (OS=0.25)	3

AL 240 - ENGINE COOLING SYSTEM

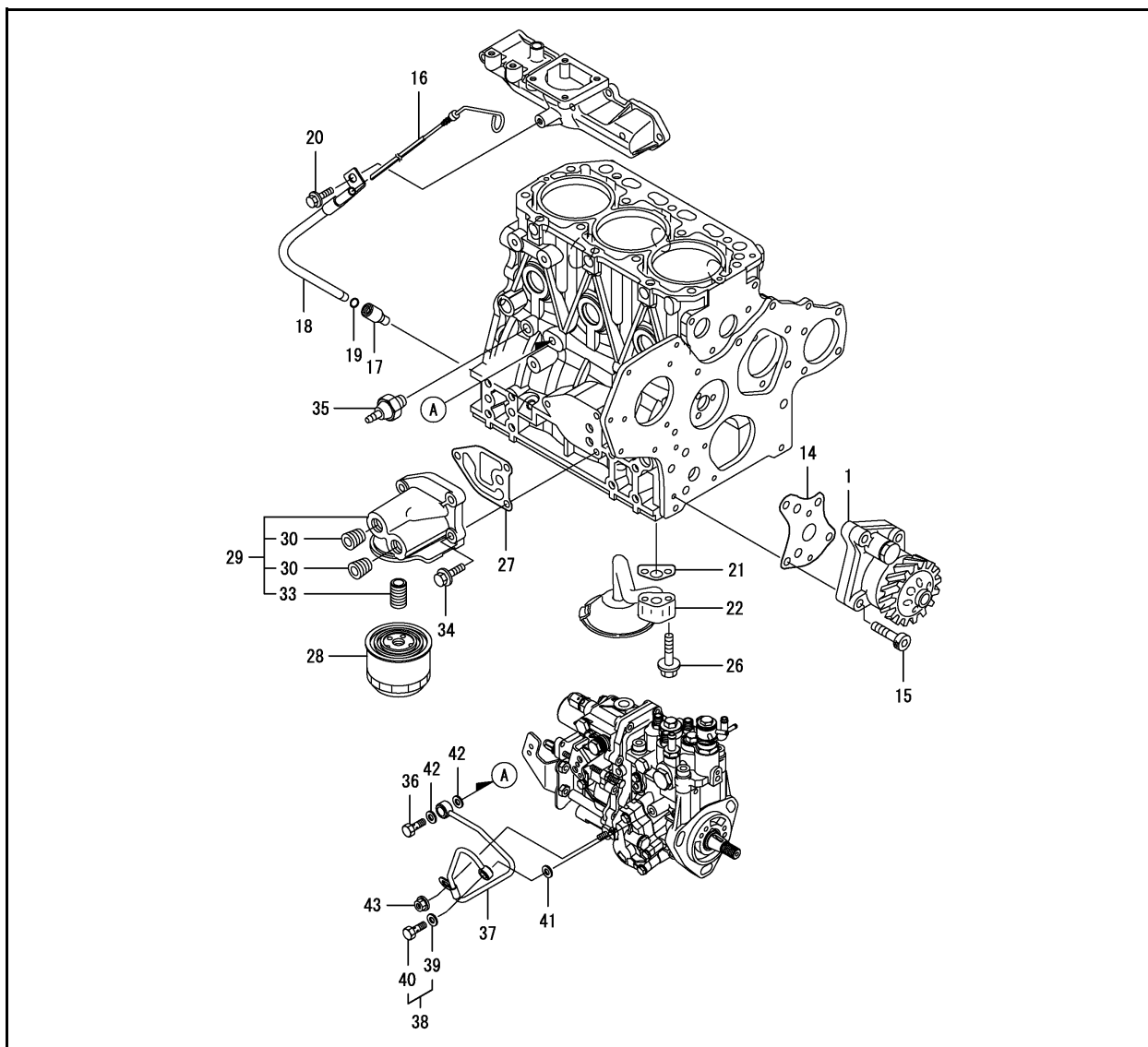


Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	188549	PUMP ASSY/WATER	1	24	270967	V-BELT A36.5	1
3	188578	GASKET/NON-ASB	1	25	270968	FAN/COOLING	1
4	188579	PLATE	1	26	197778	SPACER/FAN	1
8	188512	SCREW	3	27	425-34998	BOLT	4
10	188488	JOINT	2	28	425-34661	THERMOSTAT	1
11	188686	PLUG/DRAIN	2	29	425-34705	GASKET/LOWER	1
12	425-36239	PLUG	1	30	176155	COVER/THERMOSTAT	1
13	186602	PLUG 1/4	1	31	425-34704	GASKET/UPPER	1
14	425-36263	GASKET	1	32	425-34765	BOLT M8 X 25 PLATED	1
15	188550	JOINT	1	33	425-34930	BOLT M8 X 65 PLATED	1
16	425-36262	O-RING	1	34	270970	PLUG/DRAIN	1
17	425-34849	GASKET, CASE	1	35	425-34683	SENSOR/THERMOSTAT 110° C	1
18	425-34727	PACKING 8	1	36	160427	SEAL	1
19	425-34729	BOLT M8 X 12 PLATED	1	37	138076	THERMOMETER	1
20	425-34733	BOLT M8 X 16 PLATED	3	38	425-34707	PACKING 16	1
21	425-34747	BOLT M8 X 45 PLATED	1	39	188551	PIPE ASSY/AMP2	1
22	425-34838	BOLT M8 X 60 PLATED	3	40	188553	PIPE ASSY/AMP2	1
23	425-36261	V-PULLEY	1	41	186339	CLAMP CW-T	1

AL 240 - ENGINE COOLING SYSTEM

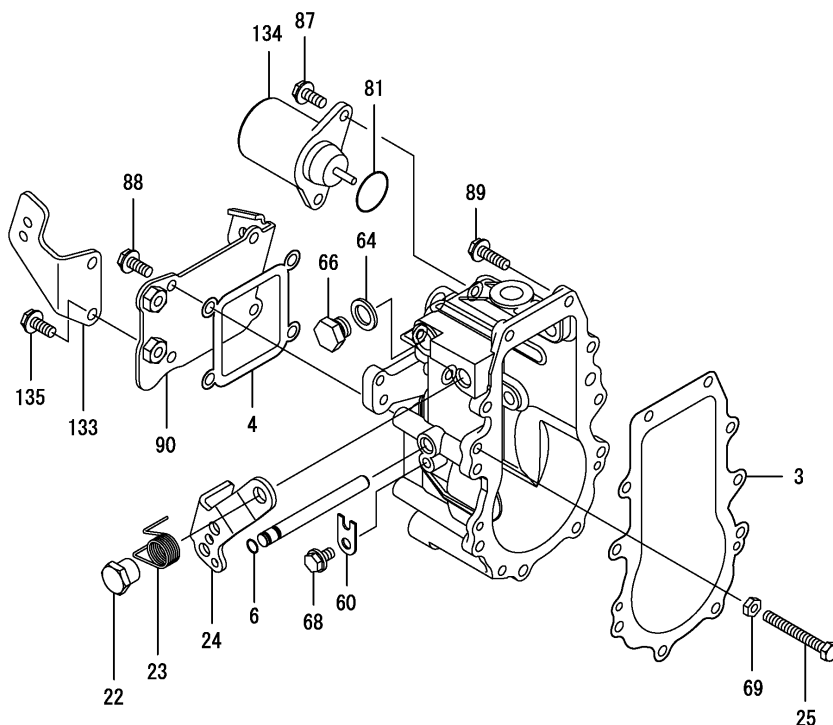
Ref.	No.	Part No.	Description	Qty.
42	186464		CLAMP 9	2
43	188552		PIPE ASSY/BMP2	1
44	188554		PIPE/WATER BMP2	1
45	186464		CLAMP 9	2
46	425-36233		WATER BOTTLE	1
48	188526		CAP	1
49	186461		CLAMP	1
50	188720		PIPE 7X230	1
51	425-36235		BAND	1
52	425-36152		BRACKET/SUB-TANK	1

AL 240 - ENGINE LUBRICATION



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	425-36257	PUMP ASSY	1	33	270966	STUD	1
14	425-34701	GASKET/OIL PUMP	1	34	425-34765	BOLT M8 X 25 PLATED	3
15	425-34823	BOLT M6 X 25	4	35	425-34684	SWITCH/OIL PRESSURE	1
16	188668	DIPSTICK/LUB OIL	1	36	425-34835	BOLT, PIPE JOINT	1
17	425-34825	GUIDE DIPSTICK	1	37	188487	PIPE ASSY/LUB OIL	1
18	188485	GUIDE/DIPSTICK	1	38	186468	BOLT ASSY JOINT	1
19	425-34827	O-RING 1A P-10A	1	39	425-34750	WASHER 8/SEAL	1
20	425-34733	BOLT M8 X 16 PLATED	1	40	186600	JOINT BOLT 3	1
21	425-35425	GASKET/EXHAUST MANIFOLD	1	41	425-34750	WASHER 8/SEAL	1
22	425-34829	PIPE, OIL INLET	1	42	425-35958	SEAL WASHER 10S	2
26	425-34761	BOLT M8 X 35 PLATED	2	43	425-34781	NUT M6	1
27	270963	GASKET, (NON-ASB.)	1				
28	195568	CARTRIDGE/FILTER/ENGINE OIL	1				
29	270964	BRACKET/CMP FILTER	1				
30	270965	PLUG NPT1/2	2				

AL 240 - ENGINE GOVERNOR

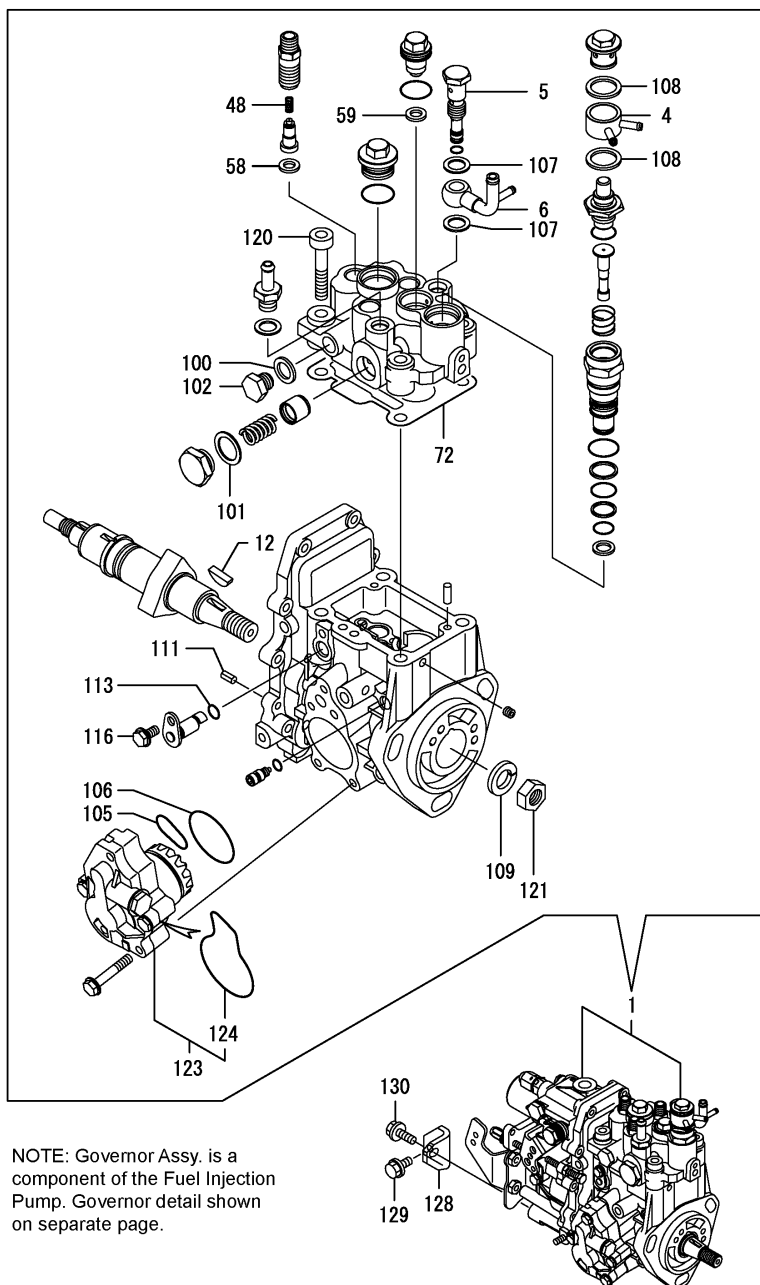


NOTE: Governor Assy. is a component of the Fuel Injection Pump, shown on a separate page.

Ref. No.	Part No.	Description	Qty.
3	192280	PACKING/CASE	1
4	192281	PACKING	1
6	425-34678	O-RING	1
22	192283	NUT	1
23	192284	SPRING	1
24	192285	LEVER/REGULATOR	1
25	425-34981	BOLT, IDLE LIMIT	1
60	425-35352	RETAINER, SHAFT	1
64	270972	WASHER/SEAL 12 (BOLT)	1
66	425-35174	PLUG 22	1
68	425-35263	BOLT M6 X 10 PLATED	1

Ref. No.	Part No.	Description	Qty.
69	425-34984	LOCK NUT M6 PLATED	1
81	270973	O-RING	1
87	425-35962	BOLT M6 X 14	2
88	425-35962	BOLT M6 X 14	4
89	188732	BOLT M6 X 20 PLATED	10
90	176149	COVER/CASE	1
133	176150	BRKT/CABLE SPPT	1
134	425-35925	SOLENOID STOP	1
135	425-35962	BOLT M6 X 14	2

AL 240 - ENGINE FUEL INJECTION PUMP



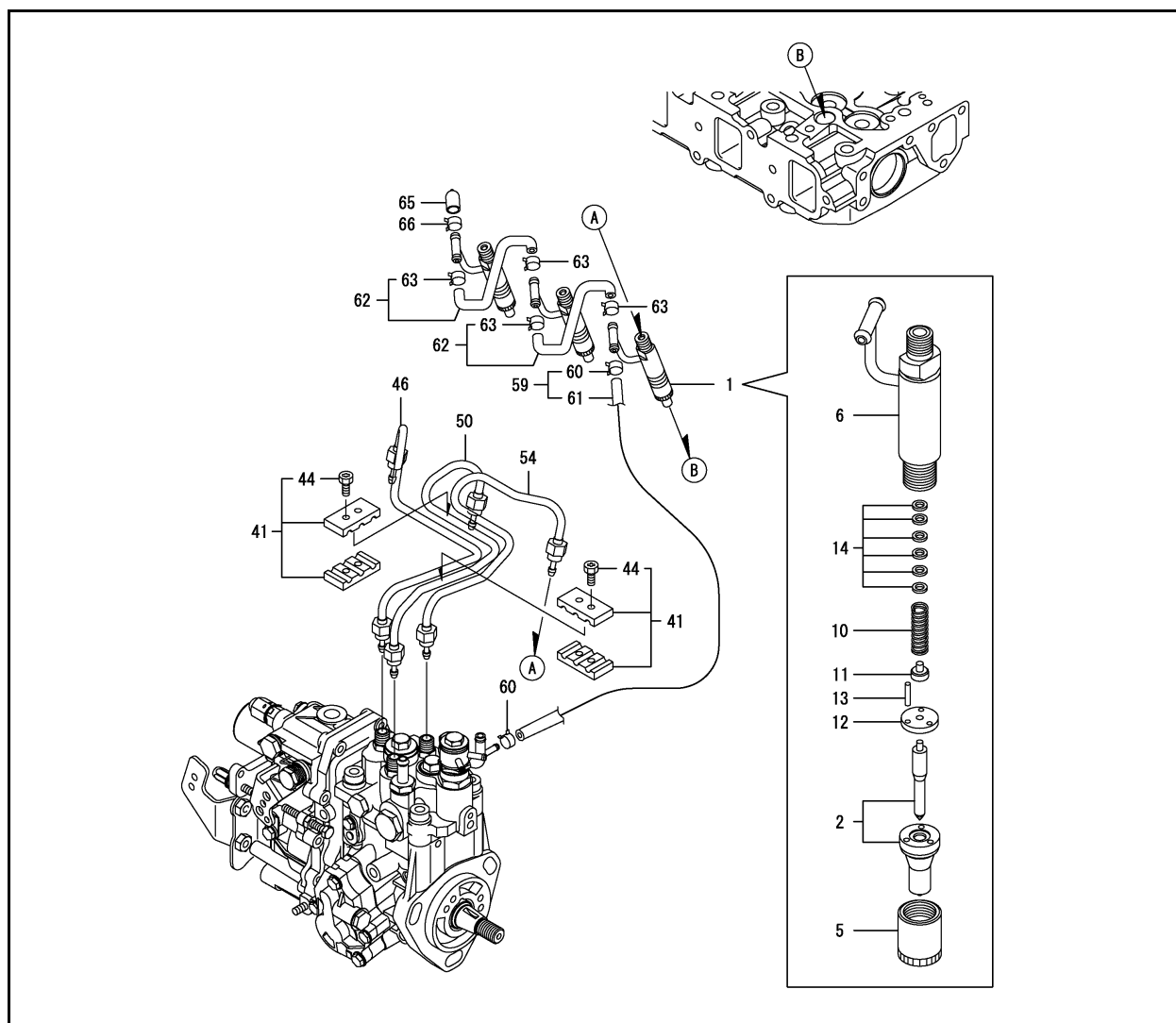
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	230095	PUMP/INJECTION ASSY (engine SN A8455 and later)	1	12	192293	KEY/WOODRUFF 4M X 16 MM	1
	270971	PUMP/INJECTION ASSY (engine SN A8454 and before)	1	48	186678	SPRING	3
4	192291	JOINT/COOLING WATER	1	58	198129	PK (BARREL PLUG)	3
5	192292	JOINT	1	59	198129	PK (BARREL PLUG)	1
6	192290	JOINT	1	72	186675	PACKING HEAD	1
				100	425-35959	SEAL WASHER 12S	1
				101	192294	WASHER/SEAL 18	1

AL 240 - ENGINE FUEL INJECTION PUMP

Ref. No.	Part No.	Description	Qty.
102	425-35174	PLUG 22	1
105	192297	O-RING	1
106	192299	O-RING 4E S42	1
107	425-35959	SEAL WASHER 12S	2
108	192294	WASHER/SEAL 18	2
109	188712	SPRING/WASHER14	1
111	425-34892	SPRING PIN 5 X 10	2
113	186607	O-RING 1A P-7.0	1
116	425-35263	BOLT M6 X 10 PLATED	1

Ref. No.	Part No.	Description	Qty.
121	188755	NUT/LOCKM14PLATED	1
123	192295	PUMP ASSY/FEED	1
124	192296	O-RING (FEED PUMP INNER)	1
128	188490	BRACKETPUMP	1
129	425-34733	BOLT M8 X 16 PLATED	1
130	425-34746	BOLT M8 X 20 PLATED	1

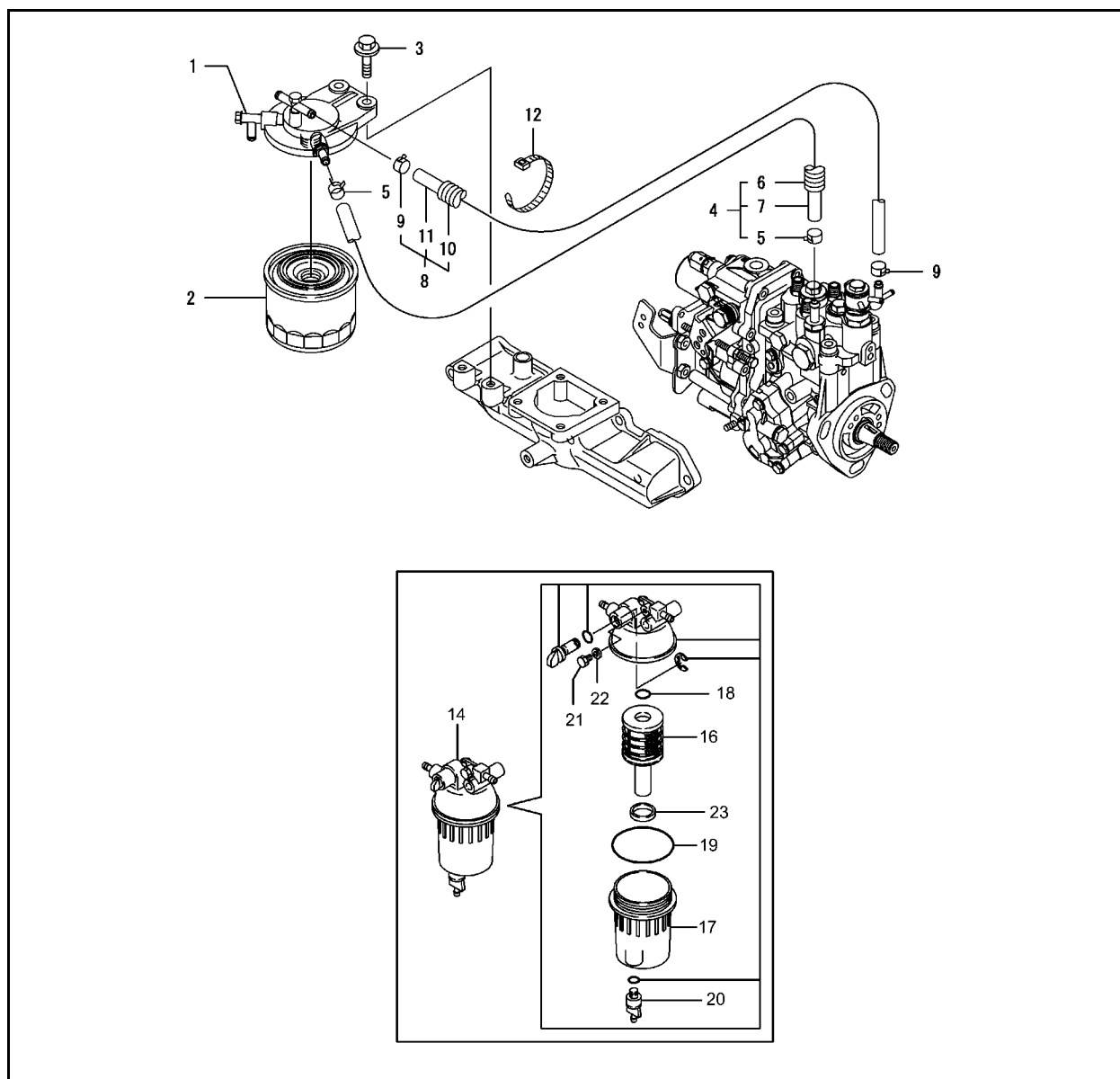
AL 240 - ENGINE FUEL INJECTION VALVE



Ref. No.	Part No.	Description	Qty.
1	230096	INJECTOR/FUEL (engine SN A8455 and up)	3
	270974	INJECTOR/FUEL (engine SN A8454 and before)	3
2	230097	NOZZLE ASSY (engine SN A8455 and up)	3
	270975	NOZZLE ASSY (engine SN A8454 and before)	3
5	425-34903	NUT	3
6	188491	HOLDER ASSY/NOZZLE	3
10	425-34666	SPRING, NOZZLE	3
11	425-34905	RETAINER, SPRING	3
12	425-34906	PLATE, STOP	3
13	188447	PIN	6
14	198134	SHIM PACK	3
41	425-35452	RETAINER, INJECTOR PIPE	2

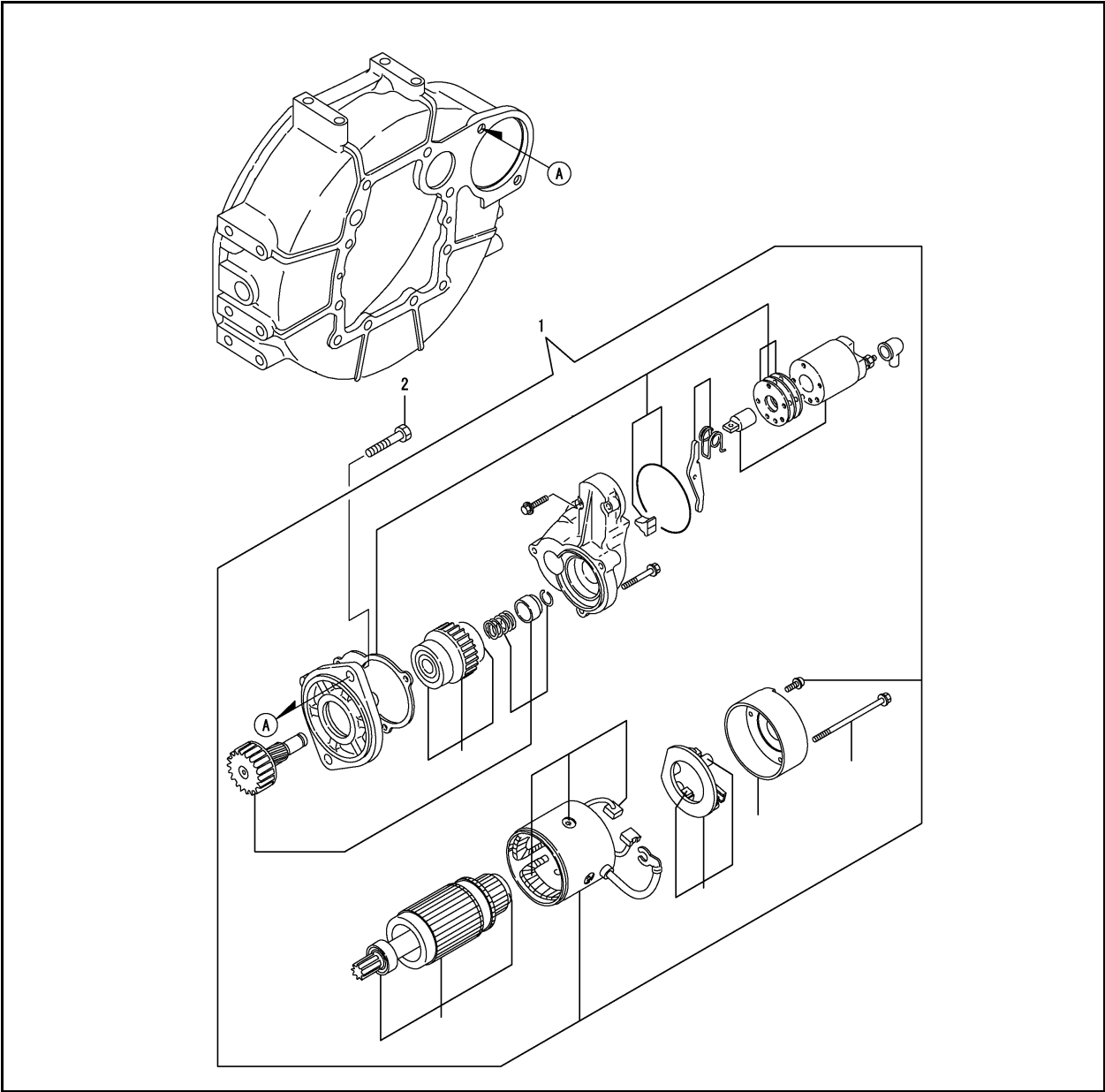
Ref. No.	Part No.	Description	Qty.
44	186473	BOLT M4X14 HEX.SCKT.	4
46	188555	PIPE ASSY/INJECTION	1
50	188556	PIPE ASSY/INJECTION	1
54	188557	PIPE ASSY/INJECTION	1
59	188493	PIPE ASSY/RETURN	1
60	186464	CLAMP 9	2
61	188494	PIPE/FUEL RETURN	1
62	186481	PIPE FUEL RETURN	2
63	186464	CLAMP 9	4
65	188451	CAP	1
66	188517	CLAMP10	1

AL 240 - ENGINE FUEL LINE



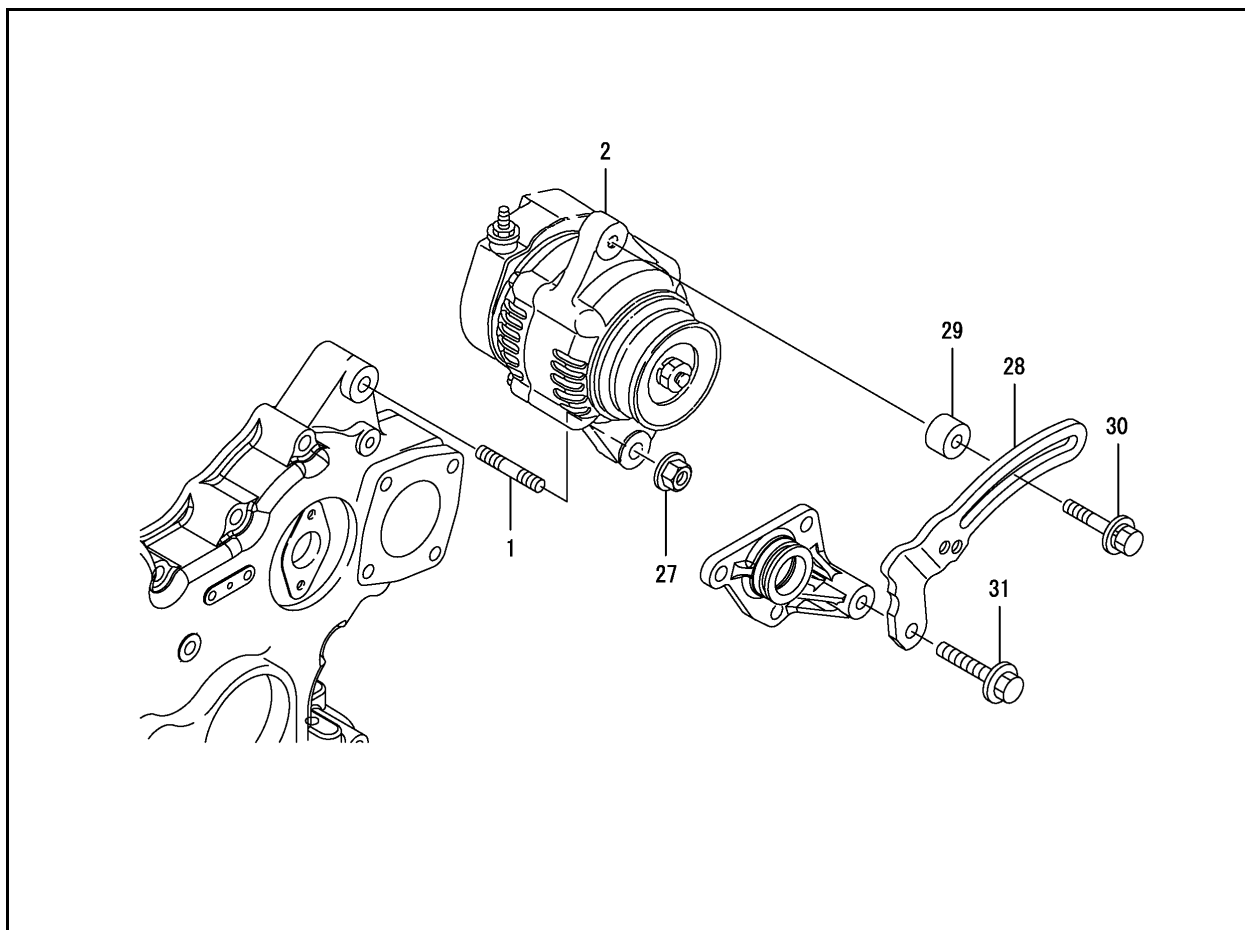
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	186467	BRACKET FILTER	1	14	188492	SEPARATOR ASSY	1
2	270979	FILTER/FUEL OIL	1	16	203822	FILTER ELEMENT	1
3	425-34760	BOLT M8 X 30 PLATED	2	17	203821	CUP	1
4	188570	PIPE/FUEL	1	18	425-34744	O-RING 1A P-16.0	1
5	425-34916	CLAMP 12	2	19	203827	O-RING	1
6	188571	PROTECTOR/PIPE15	1	20	203823	DRAIN PLUG	1
7	188572	PIPE/FUEL OIL	1	21	203824	BREATHER PLUG	1
8	188688	PIPE/FUEL	1	22	203825	BREATHER SEAL	1
9	425-34916	CLAMP 12	2	23	203826	FLOAT	1
10	188691	TUBE	1				
11	188439	PIPE/FUEL OIL	1				
12	137953	CLAMP	1				
13	186308	PUMP ASSY FUEL FEED	1				

AL 240 - ENGINE
STARTER



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	188586	STARTER ASSEMBLY	1	2	188748	BOLT/M12X25 PLATED	2

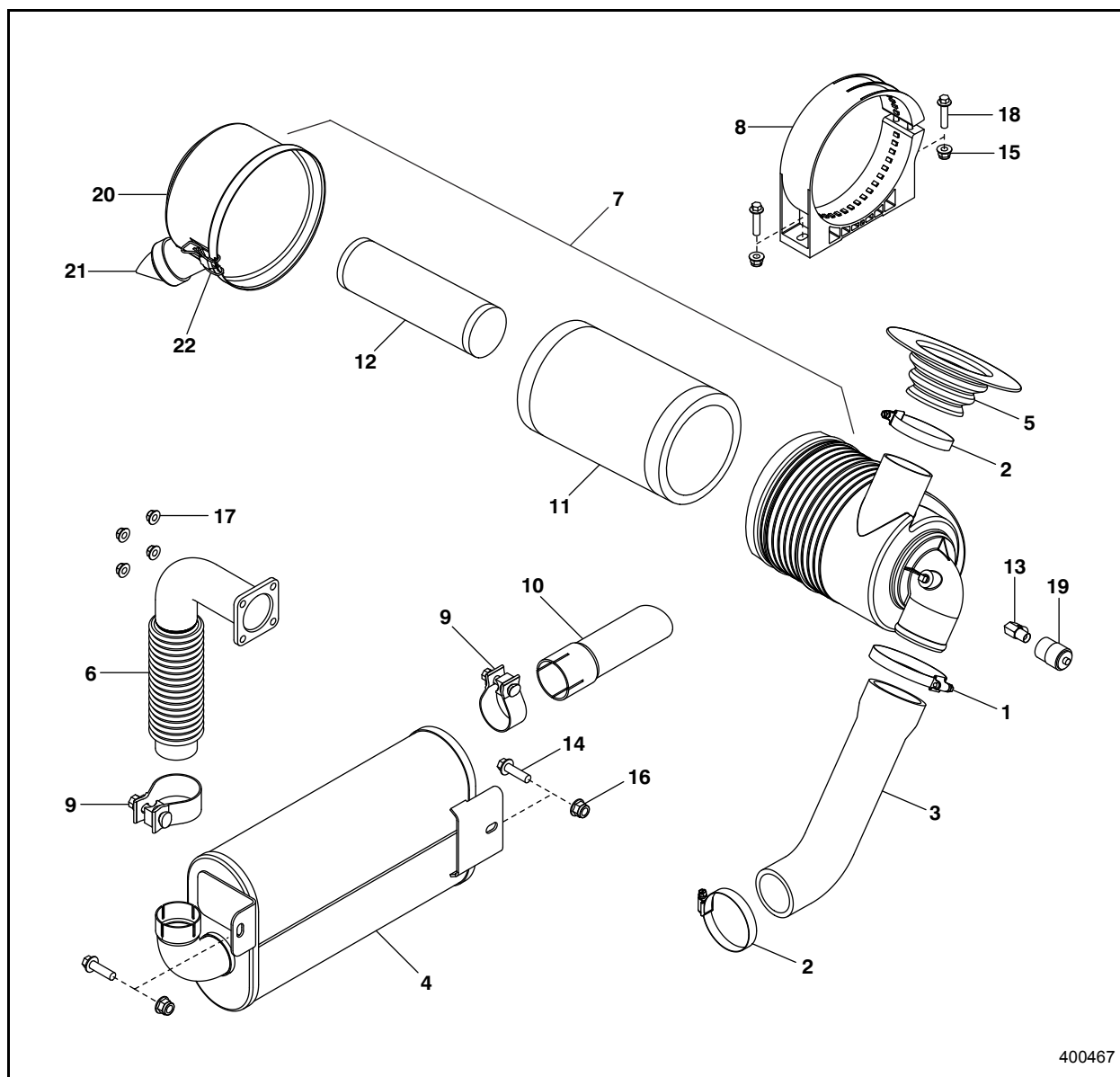
AL 240 - ENGINE ALTERNATOR



Ref. No.	Part No.	Description	Qty.
1	186484	STUD	1
2	270984	ALTERNATOR ASSY	1
27	138141	NUT	1
28	270991	ADJUSTER/BELT	1

Ref. No.	Part No.	Description	Qty.
29	270992	SPACER	1
30	192273	BOLT/ADJUSTER	1
31	425-34766	BOLT M8 X 50 PLATED	1

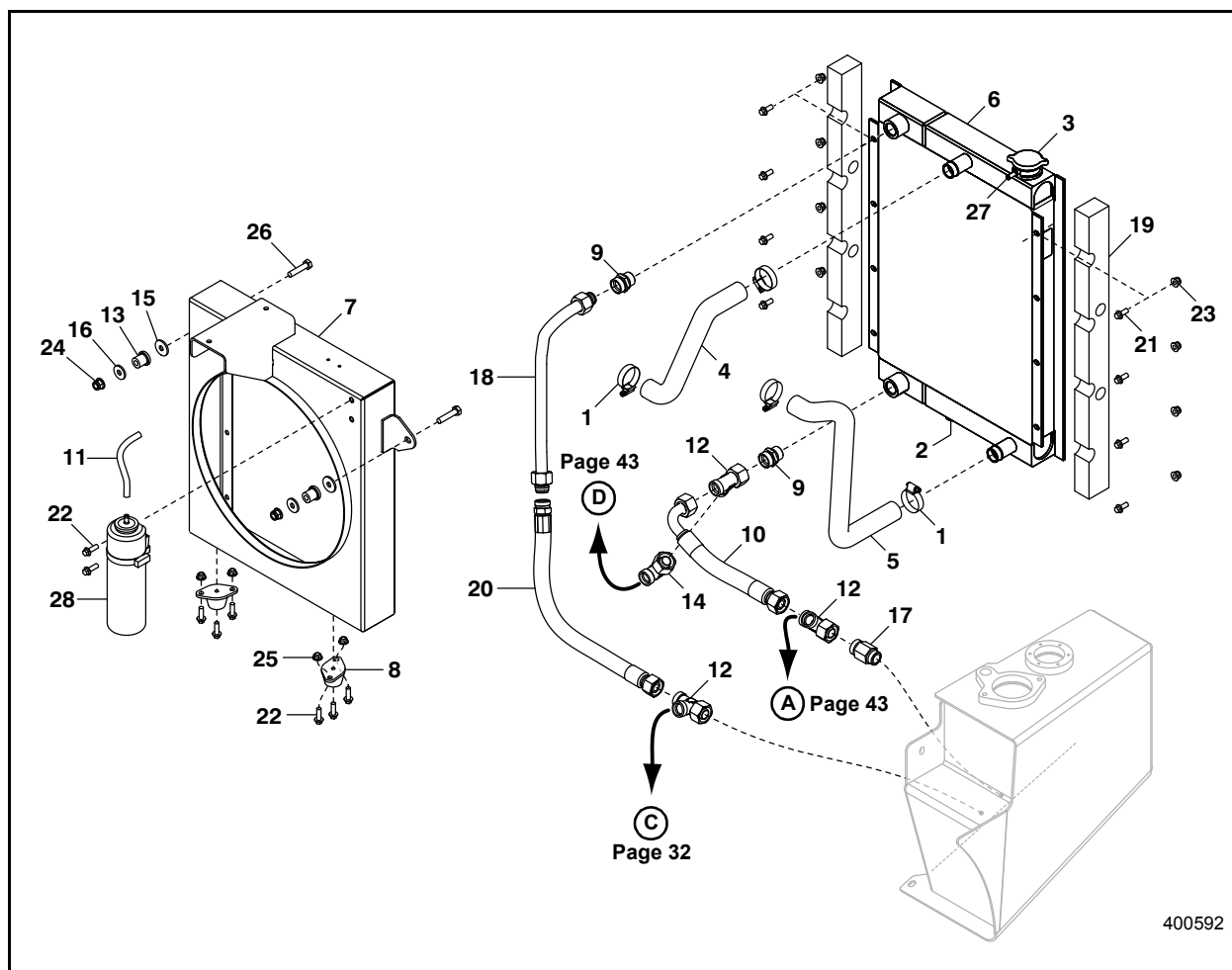
AL 240 - ENGINE INTAKE/EXHAUST COMPONENTS



400467

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	087849	CLAMP/HOSE #52	1	13	271043	FITTING/90 DEG 1/8-1/8	1
2	087850	CLAMP/HOSE #40	2	14	651698	CS FL M10-1.50X35 C8.8 ZY DIN1662	2
3	176014	HOSE/AIR CLEANER	1	15	651706	LN INST FL M8-1.25 C8 ZY DIN6926	2
4	275000	MUFFLER	1	16	651707	LN INST FL M10-1.50 C8 ZY DIN6926	2
5	176202	INLET/RUBBER BELLOWS	1	17	651711	LN FL CTR M8-1.25 C8 ZY DIN6927	4
6	176212	WELDMENT/EXHAUST	1	18	651720	CS FL M8-1.25X35 C8.8 ZY DIN1662	2
7	176333	AIR CLEANER/6	1	19	420-18160	INDICATOR	1
8	176334	BRKT/6" PLASTIC	1	20	420-35785	CUP ASSY	1
9	201175	CLAMP/MUFFLER 2.00 TORCA	2	21	420-35019	VALVE/VACUATOR	1
10	270878	MUFFLER/TAIL PIPE	1	22	L99933	LATCH	3
11	270740	FILTER/PRIMARY	1				
12	270741	FILTER/SAFETY	1				

AL 240 - ENGINE RADIATOR



Ref. No.	Part No.	Description	Qty.
1	055335	CLAMP/HOSE #20	4
2	137907	PLUG/HS 1/4 NPT	1
3	139476	CAP/RADIATOR	1
4	176015	HOSE/RADIATOR UPPER	1
5	176016	HOSE/RADIATOR LOWER	1
6	176127	ASSY/RADIATOR-OIL COOLER	1
7	176238	WDMT/FAN SHROUD	1
8	176278	MOUNT/RADIATOR	2
9	176376	ST MC22-MBSPP12-L **	2
10	275259	HOSE/MP 12 X 305MM *	1
11	201179	HOSE/OVERFLOW	1
12	201236	TEE RUN MC22-MC22-FCS22-L **	3
13	201481	MOUNT/CENTER BONDED	2
14	270069	90 FCS22-MC22-L **	1
15	270104	WASHER/HEAD	2
16	270105	WASHER/TAIL	2

Ref. No.	Part No.	Description	Qty.
17	272272	VALVE/CHECK RELIEF MC22-MORB12 **	1
18	274771	TUBE/HYDRAULIC	1
19	274962	FOAM/RADIATOR	2
20	274988	HOSE/LP 12 X 520MM *	1
21	651689	CS FL M8-1.25X20 C8.8 ZY DIN1662	8
22	651695	CS FL M8-1.25X25 C8.8 ZY DIN1662	8
23	651706	LN INST FL M8-1.25 C8 ZY DIN6926	8
24	651707	LN INST FL M10-1.50 C8 ZY DIN6926	2
25	651711	LN FL CTR M8-1.25 C8 ZY DIN6927	4
26	651400	CS M10-1.5X40 C10.9 ZY DIN931	2
27	230-32207	ST HB04-MP02 BRASS	1
28	425-36233	WATER BOTTLE	1

* See Page 91 for hose/o-ring information.

** See Page 90 for o-ring/seal/description information

FITTINGS WITH O-RING/SEAL RING COMPATIBILITY

Fitting Part Number	Compatible Seal Ring Part Number	Compatible O-Ring Part Number
068938	--	055897
131522		048953
131529		055896
176353	270564	--
176354	270565	--
176355	270564	--
176356	270565	--
176357	270569	--
176358	270564	--
176359	270565	--
176362	--	270545
176364	--	270538
176365	--	270539
176366	--	270540
176367	--	270538
176370	270565	--
176371	--	270541
176375	270567	--
176376	270566	--
176508	--	270537
176509	270567	--
176510	270565	--
176511	270563	--
176512	270566	--
176513	270564	--
176523	--	270537
176524	--	270540
176525	--	270541
176526	--	270539
176527	--	270540
176528	270562	--
176529	270568	--
176530	270563	--
176531	270566	--
176532	270566	--
176541	--	270541
176542	--	270541
176778	--	270540

Fitting Part Number	Compatible Seal Ring Part Number	Compatible O-Ring Part Number
176779	--	270538
176800	270567	--
176846		048953
176883	270563	--
176884	270565	--
176885	270567	--
201061	270562	--
201236	--	270542
201251	--	270544
201279	--	270542
270069	--	270542
270075	--	270544
270208	--	270537 271097
270213	270563	--
270227	--	270539
270236	--	270538 271097
270414		058674
270415	--	048953
270416	--	055897
270417	--	055898
271636	270565	--
271754	--	274852
272272	--	048953
272380	--	048953
272669		048953
272694		270545
272768	270563	--
272861		270566
272867	--	048953
273270	--	055898
273697	--	270542
273812	270569	--
273956	--	270542
274401	--	055898
274405	--	271309
274853		274852
275238		270566

AL 240 - HOSE / O-RING COMPATIBILITY

Fitting Part Number	Compatible Seal Ring Part Number	Compatible O-Ring Part Number
50300010		058674
50300013		058674
50300025		058674

Fitting Part Number	Compatible Seal Ring Part Number	Compatible O-Ring Part Number
50300068	270565	
50302142	055896	

HOSE / O-RING COMPATIBILITY

Hose Part Number	Compatible O-Ring Part Number
176740	270538
176741	270538
176742	270538
176743	270540
176744	270540
176745	270538
176746	270538
176749	270538
176750	270538
176751	270540
176753	270540
176754	270538
176755	270538
176757	270540
176758	270540
176759	270540
176760	270542
176761	270538
176762	270540
176763	270538
176764	270538
176765	270542
176766	270541
176767	270541
176768	270541
176847	270541
176848	270541
176849	270541
201081	270538
201082	270540
201083	270540
201084	270539

Hose Part Number	Compatible O-Ring Part Number
201085	270539
201086	270539
201087	270539
201088	270539
201089	270540
201090	270540
201091	270539
201092	201092
201094	270542
201095	270538
201096	270542
201118	270542
201119	270540
201120	270542
201122	270541
201123	270538
201124	270538
201125	270538
201126	270538
201128	201128
201129	270537
201130	270537
201131	271309 (6L) 270537 (8L)
270283	270542
270290	270541
270291	270539
270292	270539
270294	270544
270295	270542
270300	270537
270305	270540

Hose Part Number	Compatible O-Ring Part Number
270371	270538 (2)
270374	270538 (2)
270375	270538 (2)
270391	271361
270392	271361
271094	270542
271195	270538
271196	270540
271328	270540
271329	270539
271332	270539
271333	270539
271334	270539
271342	270538 (2)
271343	270541
271344	270542
271391	270538
271524	270541
271526	270541
271464	271309 (6L) 270537 (8L)
271705	270538
271708	270540
271758	274854
271882	270538
271885	270538
271994	270538
271995	270538
271999	270542
272000	270542
272025	270539
272026	270539

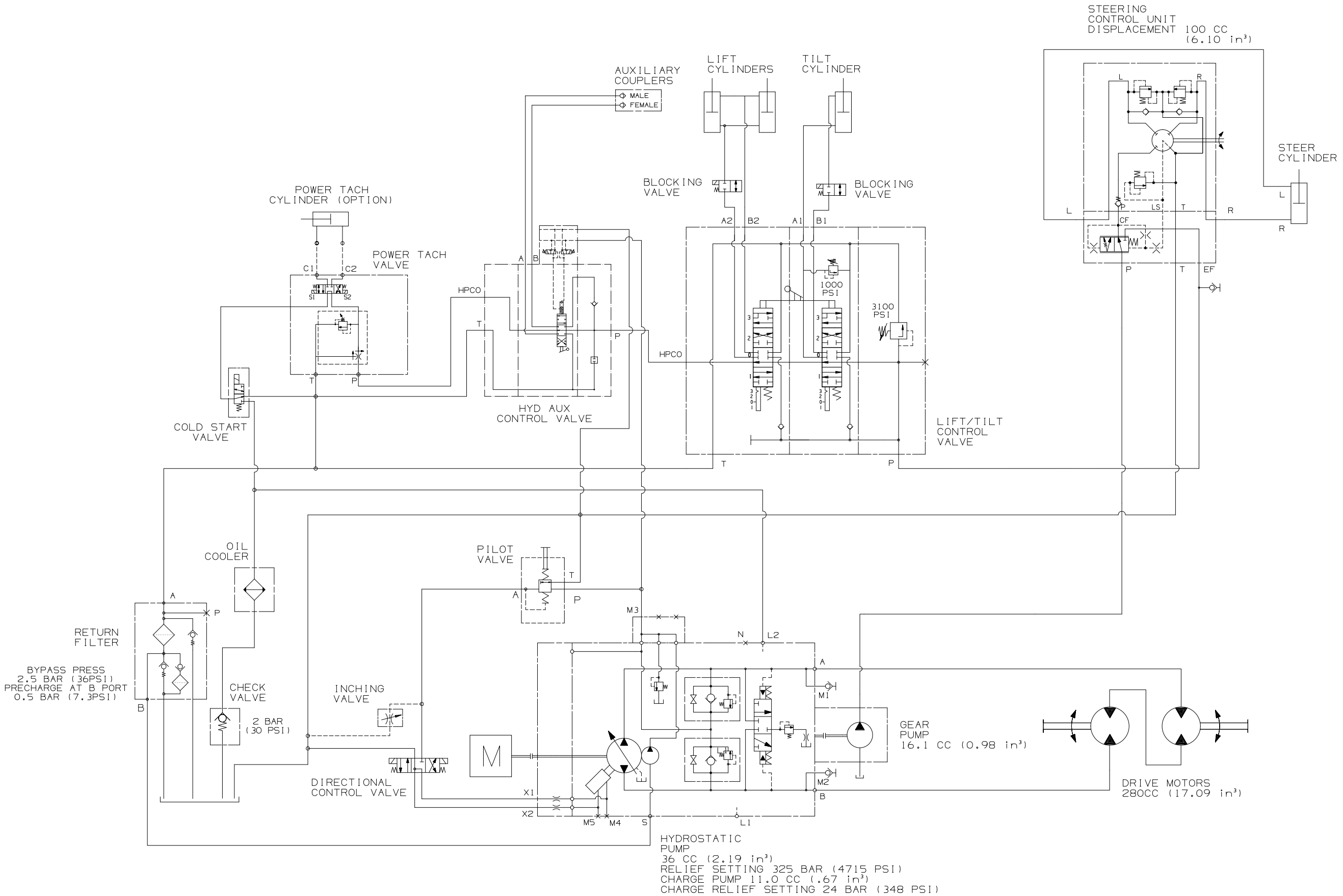
AL 240 - ABBREVIATIONS AND DESCRIPTIONS FOR FITTINGS

Hose Part Number	Compatible O-Ring Part Number	Hose Part Number	Compatible O-Ring Part Number	Hose Part Number	Compatible O-Ring Part Number
272027	270539	273718	270538	274351	270538
272207	270538 (2)	273775	270539	274367	270541
272217	270538 (2)	273777	270539	274444	270538 (2)
272473	270538 (2)	273807	270539	274529	270538 (2)
272474	270538 (2)	273814	270540	274740	270539 (2)
272475	270538 (2)	273823	270539	274746	270539 (2)
273196	270538 (2)	273852	270538 (2)	274885	270538 (2)
273197	270538	273875	270538	274891	270542
273198	270545 (2)	273876	270538	274892	270538 (2)
273199	270545 (2)	273880	270538	274901	270544 (2)
273200	270545 (2)	273882	270540	274988	270542
273334	270542	273963	270542	275259	270542 (2)
273343	270542 (2)	274124	270540 (2)	275368	270538 (2)
273380	270538	274128	270539	275379	270540 (2)
273381	270540 (2)	274206	270540	275382	270541 (2)
273402	271309 (6L) 270538 (10L)	274207	270540	275383	270541 (2)
273487	270538	274208	270540	275384	270542 (2)
273492	270538 (2)	274261	270540	275404	270542 (2)
273510	270539	274263	270540 (2)	275834	270539
273513	270539	274276	270538 (2)	275835	270539
273515	270539	274277	270538 (2)	275836	270539
273581	270540	274310	270542	275889	270540 (2)
273612	270542	274329	270537	275973	270538 (2)
273698	270542	274337	270545 (20S) 271361 (62-12)	50300419	270540 (2)
273699	271309 (6L) 270538 (10L)	274338	270545 (20S) 271361 (62-12)	50300420	270540 (2)
				50300545	270542

ABBREVIATIONS AND DESCRIPTIONS FOR FITTINGS

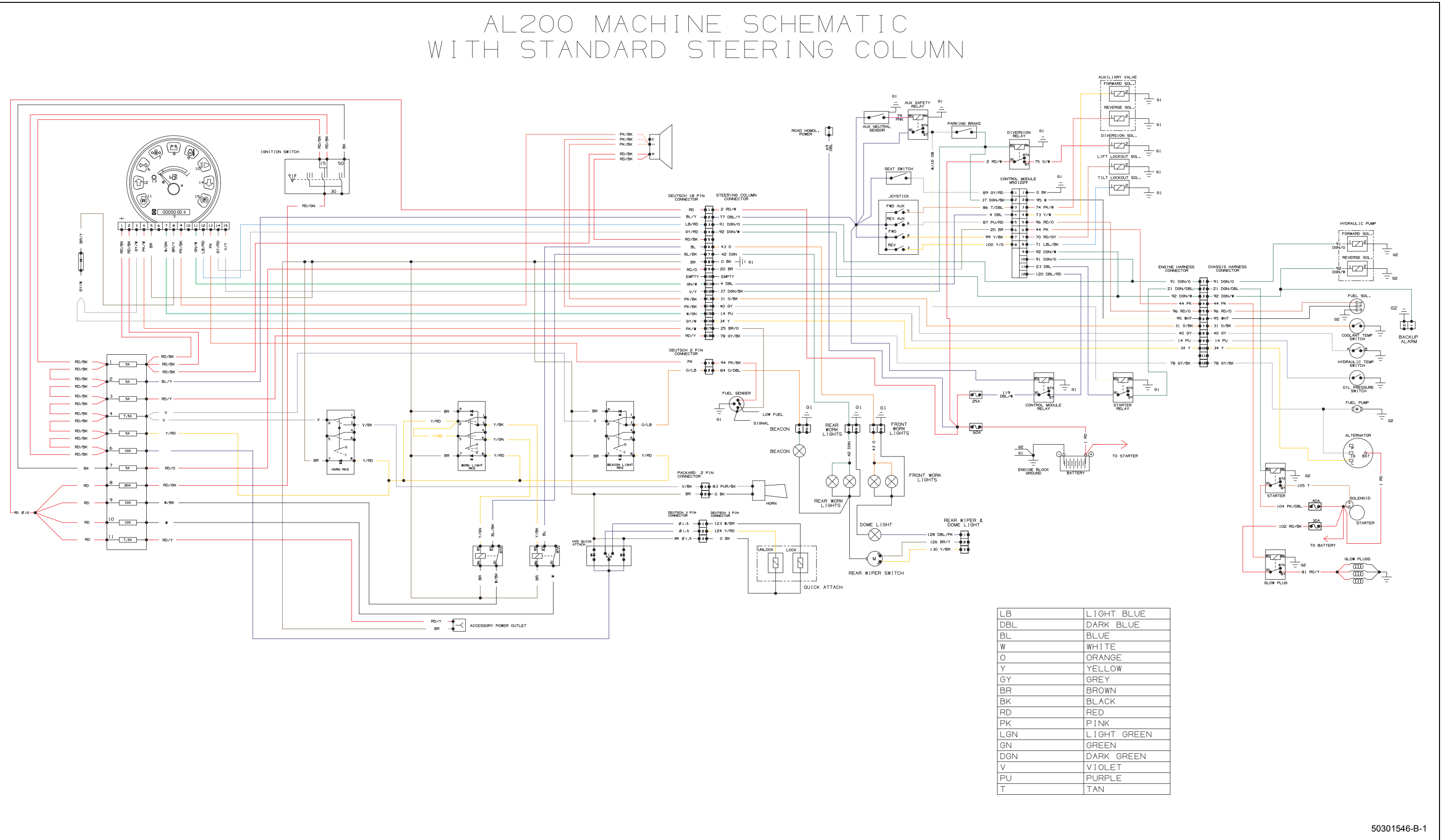
Abbrev.	Description
A, AJ	Adjustable
BJ	Banjo
BK	Bulkhead
BR	Branch
FBSP	Female British Std. Parallel Pipe End
F24C	Female 24° Cone Tube End
HPM	Hollow Hex Plug Metric
M24C	Male 24° Cone Tube End
MBSPP	Male British Std. Parallel Pipe End
MMPT	Male Metric Port Thread End

Abbrev.	Description
MORB	Male SAE O-ring Boss End
90M	90° Metric
RD	Reducer
RN	Run
STM	Straight Metric
SV	Swivel
TEM	Tee Metric
WSM	Weld Spud Metric



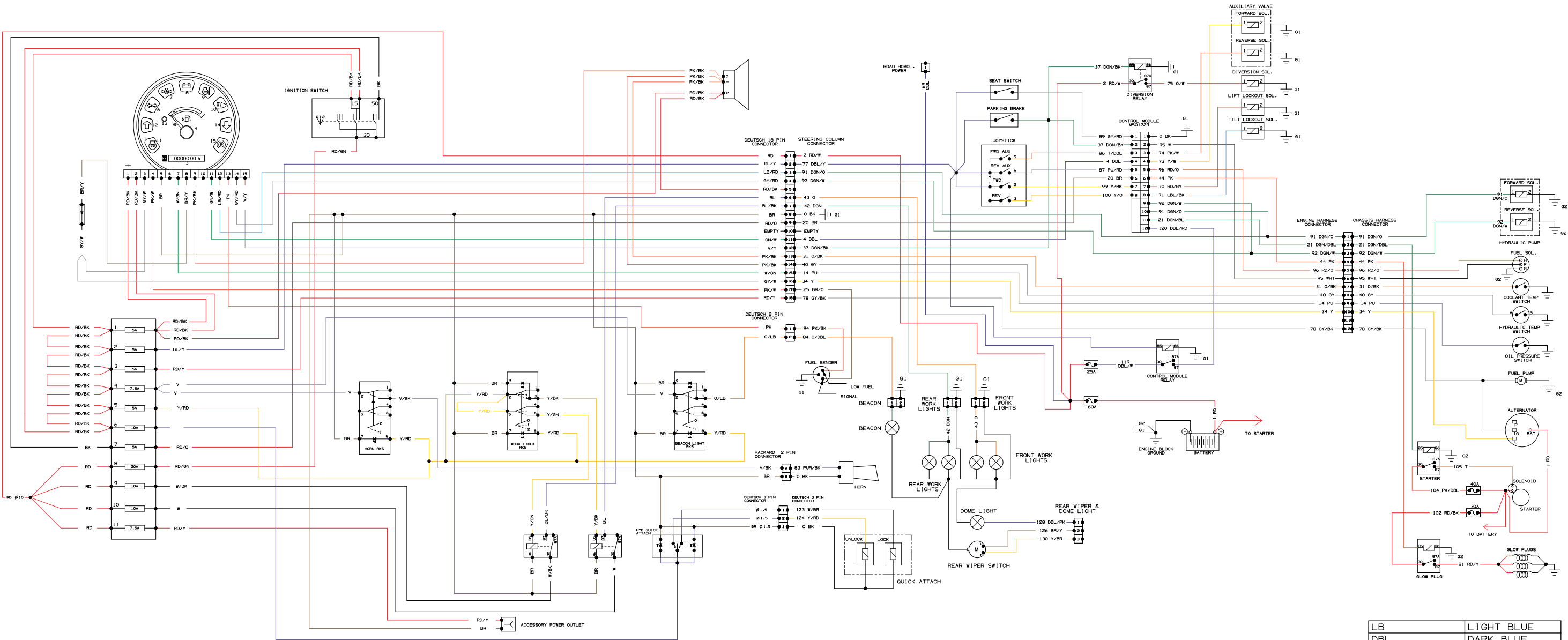
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AL 240 - SCHEMATICS
COMPLETE ELECTRICAL SCHEMATIC - STANDARD STEERING - (SN 21293 AND UP)



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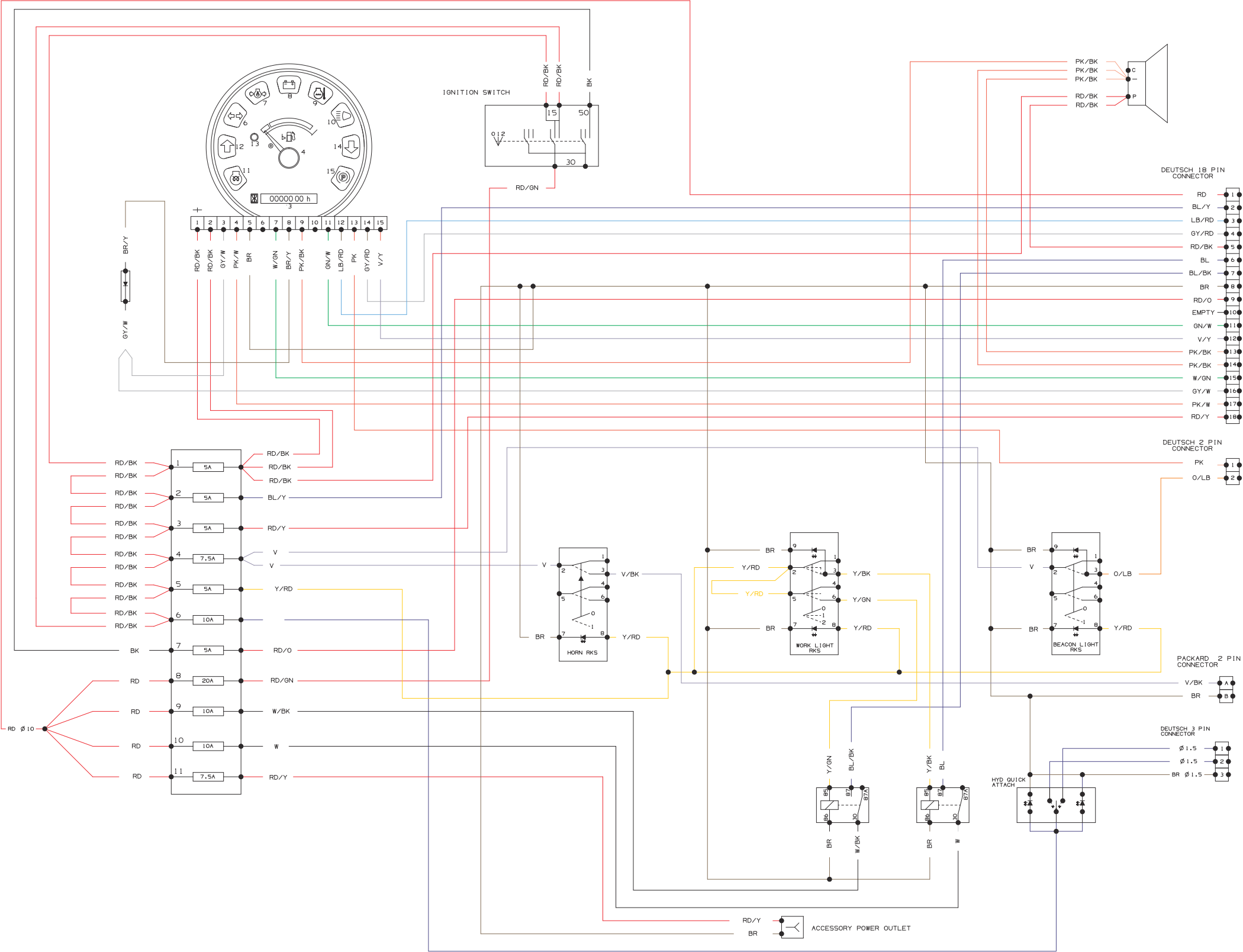
AL200 MACHINE SCHEMATIC
WITH STANDARD STEERING COLUMN



LB	LIGHT BLUE
DBL	DARK BLUE
BL	BLUE
W	WHITE
O	ORANGE
Y	YELLOW
GY	GREY
BR	BROWN
BK	BLACK
RD	RED
PK	PINK
LGN	LIGHT GREEN
GN	GREEN
DGN	DARK GREEN
V	VIOLET
PU	PURPLE
T	TAN

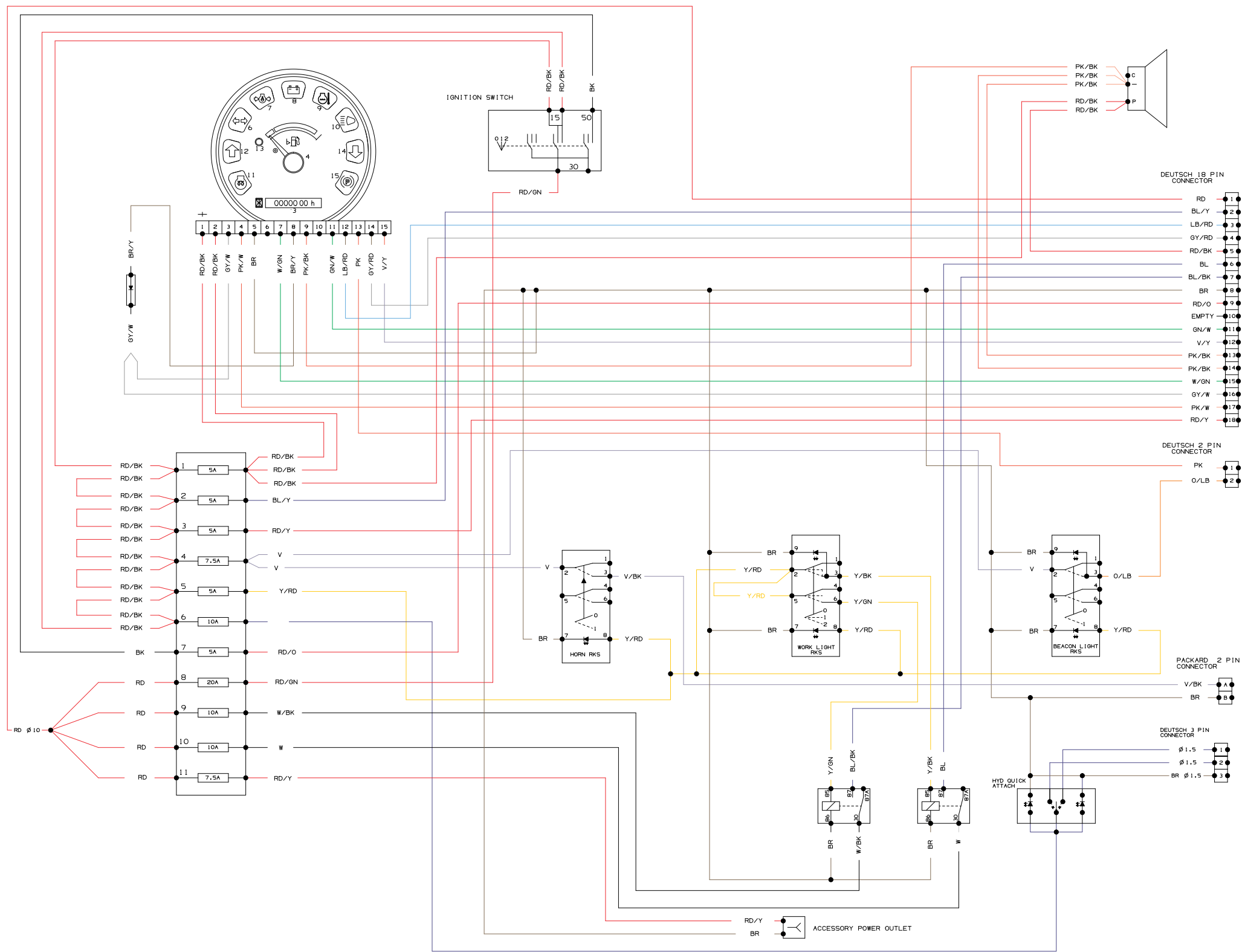
AL 240 - SCHEMATICS
STANDARD STEERING COLUMN ELECTRICAL SCHEMATIC - (SN 21293 AND UP)

270512- STANDARD STEERING COLUMN SCHEMATIC



LB	LIGHT BLUE
DBL	DARK BLUE
BL	BLUE
W	WHITE
O	ORANGE
Y	YELLOW
GY	GREY
BR	BROWN
BK	BLACK
RD	RED
PK	PINK
LG	LIGHT GREEN
GN	GREEN
DGN	DARK GREEN
V	VIOLET
PU	PURPLE
T	TAN

STANDARD STEERING COLUMN SCHEMATIC



LB	LIGHT BLUE
DBL	DARK BLUE
BL	BLUE
W	WHITE
O	ORANGE
Y	YELLOW
GY	GREY
BR	BROWN
BK	BLACK
RD	RED
PK	PINK
LGN	LIGHT GREEN
GN	GREEN
DGN	DARK GREEN
V	VIOLET
PU	PURPLE
T	TAN