GEHL®

Form No.
918412
Revision B
July 2010

AL 540

Articulated Loader

(SN 51242 and Up)

Parts Manual

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When ordering service parts, specify the correct part number, full description, quantity required, the unit model number and serial number. For your safety and continued proper operation, use only genuine Gehl service parts.

The model and serial number for this unit are on a tag located on a panel on the front of the cabin.

"Right" and "left" are determined from a position sitting on the seat and facing forward.

Gehl Company reserves the right to make changes or improvements in the design or construction of any part of the unit without incurring the obligation to install such changes on any previously delivered units.

Refer to the abbreviations table located on this page for the various fastener descriptions.

Standard attaching hardware torque values are also provided on the inside back cover. Metric torque values shown in the illustrations are in Newton-meters and can be converted to foot-pounds by multiplying by 0.738.

Specific Reference Numbers, indicating a complete assembly, are circled in some illustrations. A small bag, pictured in some illustrations, indicates a seal kit (seals, o-rings, etc.). In the exploded view parts list, additional information may follow the Reference Number.

Serial number breaks are indicated as follows:

- (SN 999 and before) - indicates serial numbers up to and including 999.
- (SN 1000 - 2000) - indicates serial numbers from 1000 to 2000.
- (SN 999 and up) - indicates serial numbers including 999 and after.

Serial number exceptions and inclusions are indicated as follows:

- (SN 999 and before except 997) - indicates serial numbers up to and including 999, EXCEPT 997.
- (SN 1000 - 2000 except 1996 including 997) - indicates serial numbers between 1000 and 2000, INCLUDING 997 EXCEPT 1996.
- (SN 2001 and up including 1996) - indicates serial numbers including 2001 and after, INCLUDING 1996.

Unless otherwise specified, all cap screws, nuts, and bolts are Grade 8.8, cadmium or zinc plated.

NOTE: *The following abbreviations may be used herein:*

ASSD.....Assembled
ASSY.....Assembly
AR .....As Required
CB.....Carriage Bolt
CP .....Cotter Pin
CS .....Cap Screw (Hexagon Head)
CYL.....Cylinder
DIA.....Diameter
FHCS.....Flat Head Cap Screw
GR .....Grade
HB .....Hex Bolt
HLN.....Hex Lock Nut
HN .....Hex Nut
HP.....High Pressure
HYD .....Hydraulic
INS .....Insert
LN.....Lock Nut
LT .....Left
LW.....Lock Washer
M .....Meter or Meters
MM/mm .....Millimeter
NPT.....National Pipe Thread
RT.....Right
SHCS.....Socket Head Cap Screw
SLTD .....Slotted
SN.....Serial Number or Slotted Nut
SQ.....Square
W/ .....With
W/O .....Without

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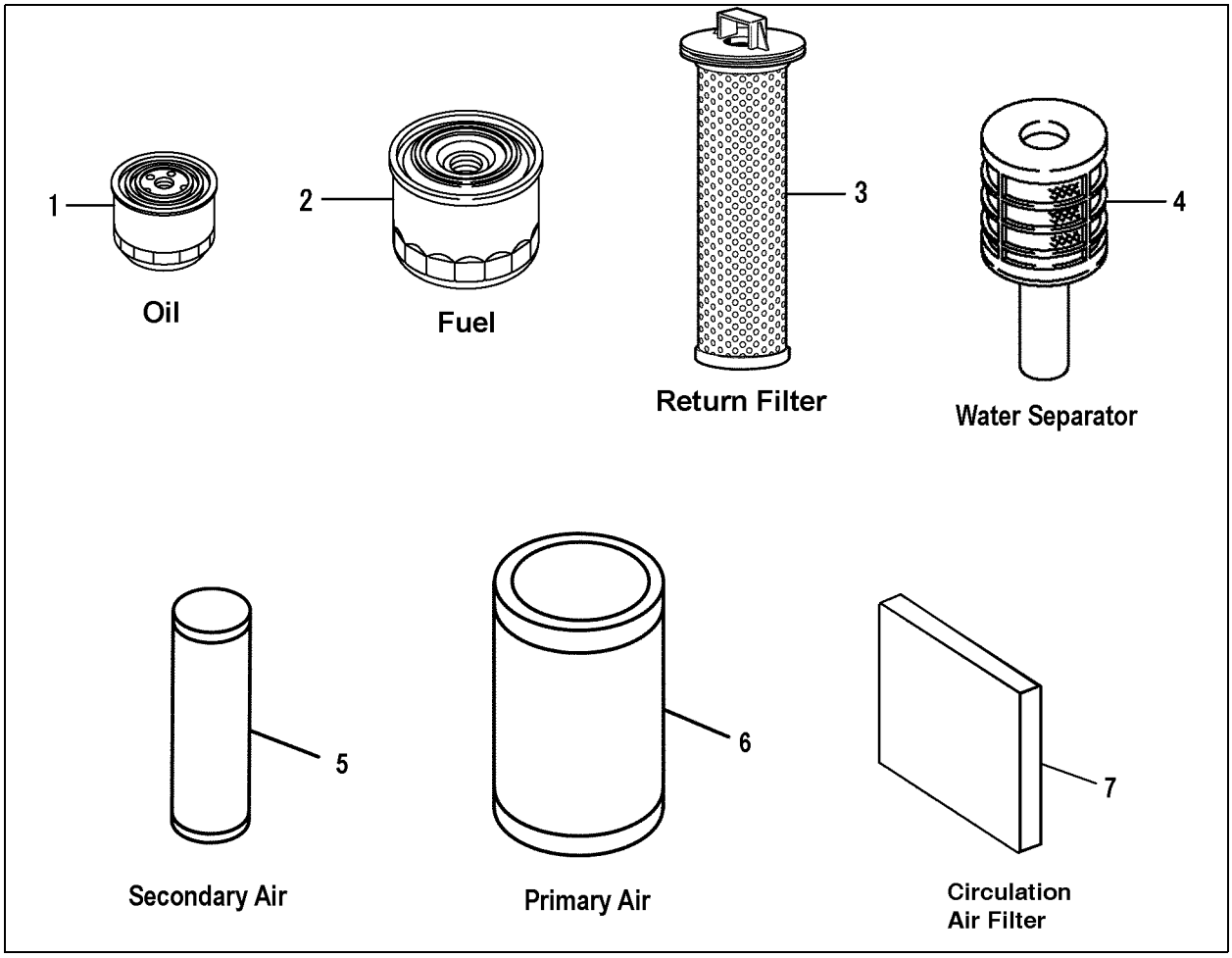
Torque Specifications .....Inside Back Cover

Ref. No.	Part No.	Description	Qty.
3	184467	HYDRAULIC GAUGE KIT	1
4	186011	TEST PORT, 4MP-M16X2, 1/4 NPT	1
5	183877	TEST PORT, 3/4-16 UNF	1
6	184472	TEST GAUGE, 1000PSI	1
7	184473	TEST GAUGE, 6000PSI	1
8	184475	TEST HOSE, 120" (Used with Gauge Kits)	1
9	184476	ADAPTER, 4FP-M16X2BLKHD (Used with Gauge Kits)	1
10	184474	TEST GAUGE, 10,000PSI	1
11	420-34912	ROD SEAL INSTALL TOOL, 3/4" X 1-1/4" DIAMETER SEALS	1
12	420-34913	ROD SEAL INSTALL TOOL, 1-1/2" X 2" DIAMETER SEALS	1
13	420-34914	ROD SEAL INSTALL TOOL, 2" X 3" DIAMETER SEALS	1
14	272814	OIL VACUUM PUMP (incl. in Engine Oil Analysis Kit)	1
15	272815	COOLANT VACUUM PUMP (incl. in Coolant Analysis Kit)	1
16	272816	1/4" PLASTIC TUBING, 100' (incl. in Analysis Kit)	1
21	195387	DIAL INDICATOR (incl. in 195348 Timing Kit Tool)	1
31	272813	FIELD TEST COOLANT STRIP (1 Kit from Coolant Analysis Kit)	1
32	272806	HYDRAULIC OIL ANALYSIS KIT (GEHL)	Set of 10
33	272809	ENGINE OIL ANALYSIS KIT (GEHL)	Set of 10
34	272811	FUEL ANALYSIS KIT (GEHL)	1
35	272812	COOLANT ANALYSIS KIT (GEHL)	Set of 10
36	167788	4-PACK CONSTRUCTION YELLOW PAINT (GEHL)	1 qt.
37	167754	4-PACK GUNMETAL GRAY PAINT (GEHL)	1 qt.
38	167789	6-PACK YELLOW SPRAY PAINT (GEHL)	12.8 oz.
39	167755	6-PACK GUNMETAL GRAY SPRAY PAINT (GEHL)	12.8 oz.

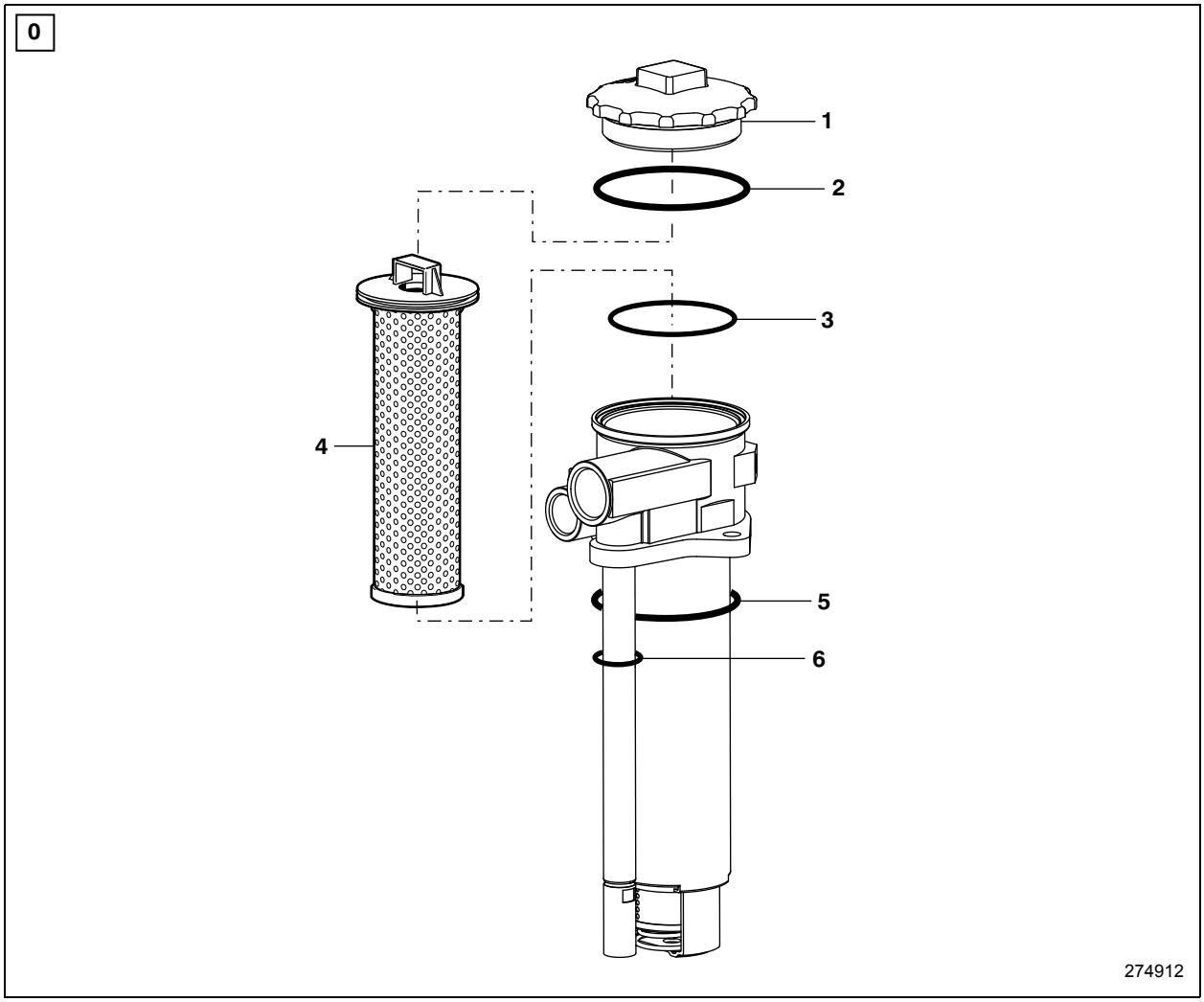
***Analysis Kits - Contact your dealer.**

AL 540 - FILTERS
ALL FILTERS



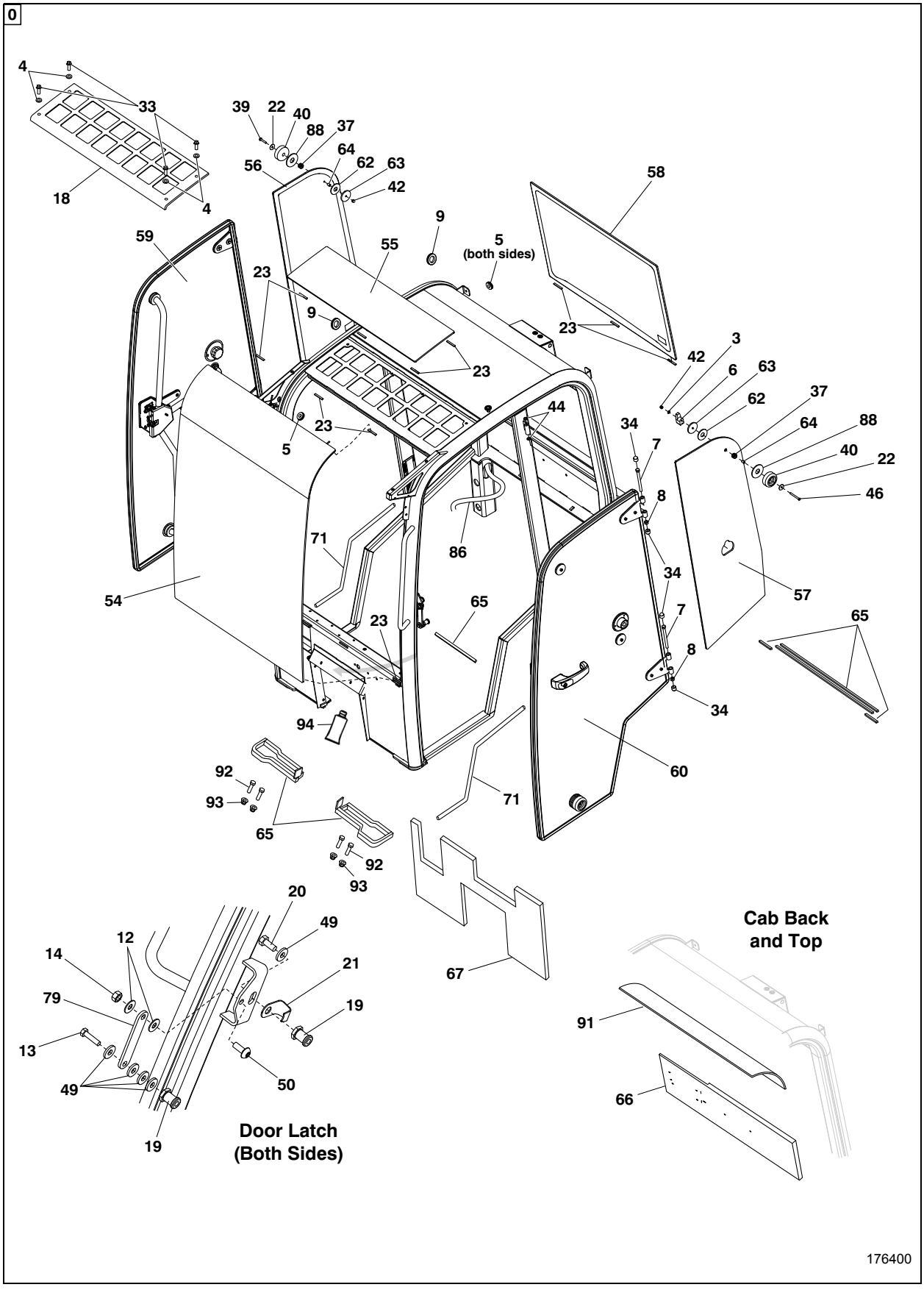
Ref. No.	Part No.	Description	Qty.
1	195568	OIL FILTER	1
2	270979	FILTER/FUEL OIL	1
3	270900	ELEMENT/FILTER (RETURN FILTER)	1
4	203822	FILTER ELEMENT (WATER SEPARATOR)	1

Ref. No.	Part No.	Description	Qty.
5	270741	FILTER/SAFETY (SECONDARY AIR)	1
6	270740	FILTER/PRIMARY (PRIMARY AIR)	1
7	184709	FILTER/RECIRCULATION AIR	1



Ref. No.	Part No.	Description	Qty.
0	274912	FILTER/RETURN COMPLETE	1
1	270896	CAP	1
2	270897	SEAL	1
3	270899	O-RING 72X3	1
4	270900	ELEMENT/FILTER	1
5	270901	O-RING 84X4	1
6	270902	O-RING 23X4	1

AL 540 - CAB
CAB ASSEMBLY



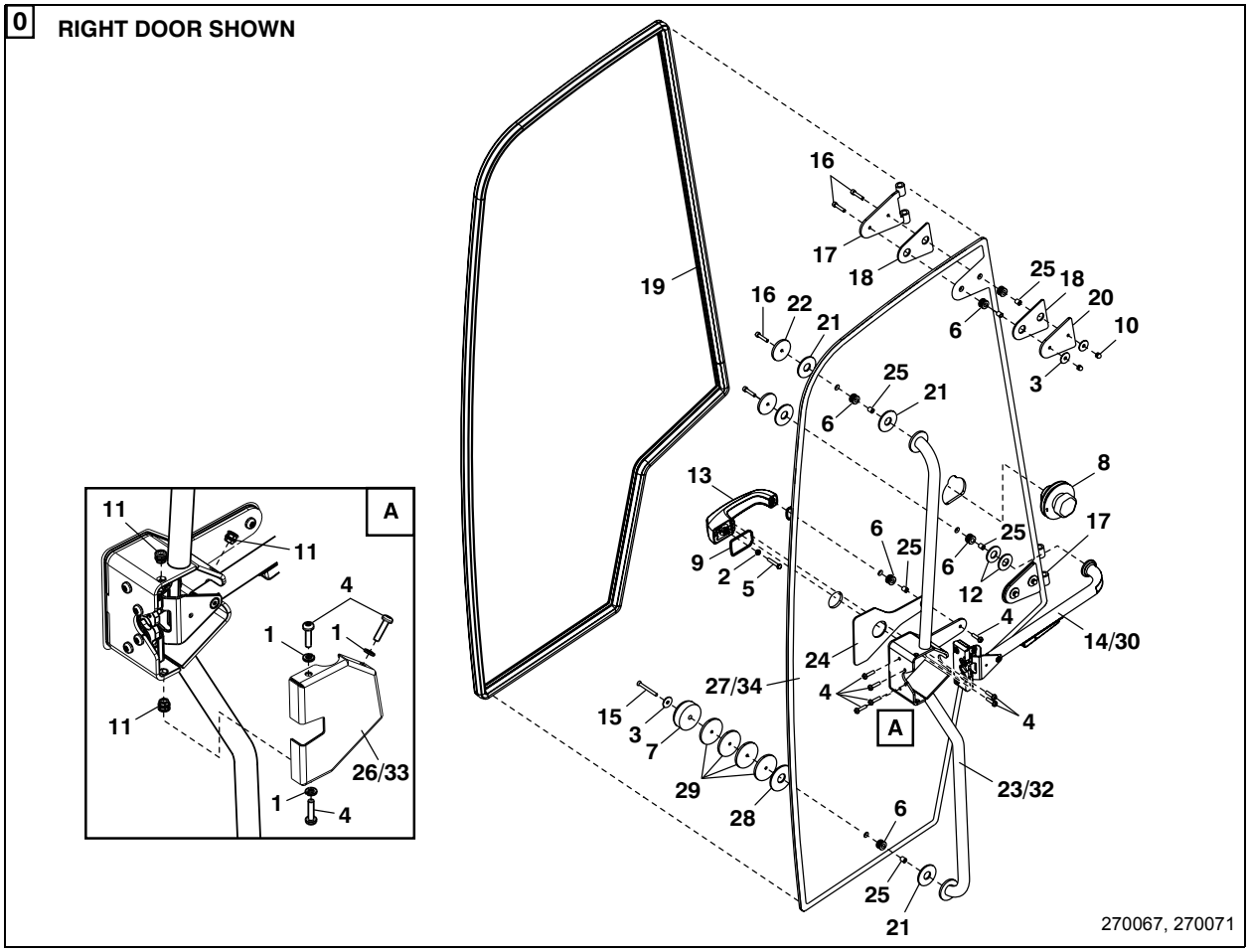
Ref. No.	Part No.	Description	Qty.
0	176400	ENCLOSED CAB ASSY *	1
3	202557	LOCKWASHER	1
4	654004	FW 5/16 AWZY	4
5	202570	GROMMET	3
6	202974	HOOK	1
7	L500048	HEX BOLT 3/8-16X4-1/2 G8	4
8	L500049	HEX NUT .38-16 G5	4
9	202571	GROMMET	2
12	202980	FLAT WASHER	4
13	650965	CS 3/8X1-1/4 C8	2
14	651448	LN INS M10-1.5 C8 ZY DIN6924	2
18	202986	BRACKET	1
19	202987	STRIKER, .375-16, INT. THREAD	4
20	651297	CS 3/8X1 C8ZY	2
21	202989	STRIKER BOLT GUARD	2
22	L500022	FLAT WASHER	2
23	138281	SETTING BLOCK, 1/8 X 1/4 X 2	18
33	101793	FLANGE BOLT, M8 X 1.25 X 20	4
34	203002	HEX DOME CAP, 3/8	8
37	270699	SPACER	2
39	203007	PAN HEAD BOLT, M6 X 1 X 35	1
40	270687	BUMPER/RUBBER	2
42	202560	NUT, M6X1 - DIN 1587	2
44	182116	BRASS WASHER	8
46	202564	PAN HEAD BOLT, M6X60	1
49	203016	WASHER	10
50	203017	TRUSS HEAD SCREW	2

Ref. No.	Part No.	Description	Qty.
54	203020	WINDSHIELD	1
55	203021	SKYLIGHT	1
56	203022	REAR WINDOW/SIDE RT	1
57	203023	REAR WINDOW/SIDE LT	1
58	203024	REAR WINDOW	1
59	270071	DOOR ASSY RT	1
60	270067	DOOR ASSY LT	1
62	270633	SOFT WASHER	2
63	270683	PLATE/BACKING	2
64	270698	SPACER	2
65	202568	KIT/FOAM	1
66	272078	FOAM/REAR PANEL	1
67	203031	FOAM PANEL	1
71	203062	FOAM SEAL	2
79	203063	BRACKET, DOOR ARRESTER	2
86	201377	HARNESS/4 POST ROPS	1
88	270701	SOFT WASHER	2
91	270691	FOAM/HEADLINER	1
92	656019	CS M12-1.75X45 C10.9 ZY	4
93	651708	LN INST FL M12-1.75 C8 ZY	4
94	0004412533	WINDOW PANE ADHESIVE SET SIKA TACK	1

*** Includes all parts on this page except ref. nos. 66, 92 & 93.**

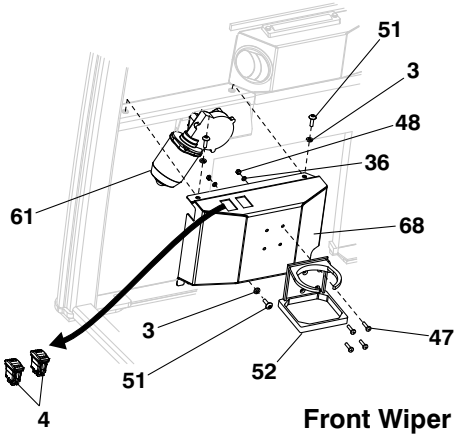
Also includes all parts on Page 6, Page 7 and Page 8.

AL 540 - CAB
DOORS - 270067 & 270071

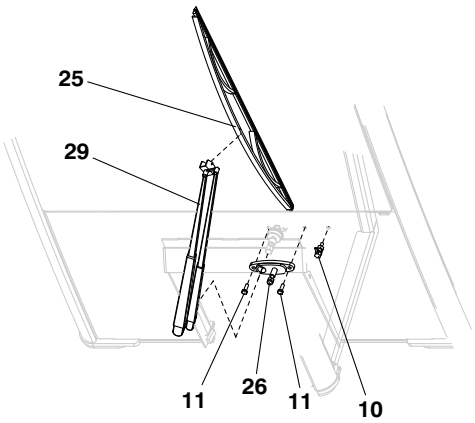


Ref. No.	Part No.	Description	Qty.
0	270067	ASSY/DOOR LT	1
0	270071	ASSY/DOOR RT	1
1	202557	LOCKWASHER	3
2	656047	HN M6-1 C8 ZY DIN934	1
3	L500022	WASHER/FLAT BLACK	5
4	651683	BHSCS M6-1.00X25 C10.9 BO	10
5	656139	CS M6-1X35 C8.8 ZY DIN931	1
6	270699	SPACER	8
7	270687	BUMPER/RUBBER	1
8	270628	LATCH	1
9	176736	GASKET/HANDLE	1
10	202560	NUT, M6 X 1 DIN1587	4
11	202561	RNT/M6X1.0 HEX 9.53P 4.2-6.6 ST YZ	3
12	202562	SEAL/GRAB HANDLE GASKET	2
13	176809	HANDLE/BUTTON/PUSH	1
14	202563	HANDLE/GRAB W/LATCH RT 338MM	1
15	202564	PAN HEAD BOLT, M6 X 60	1
16	202565	BOLT,M6 X 30 SKT HX DWG C12.9	6
17	270634	HINGE/DOOR	2

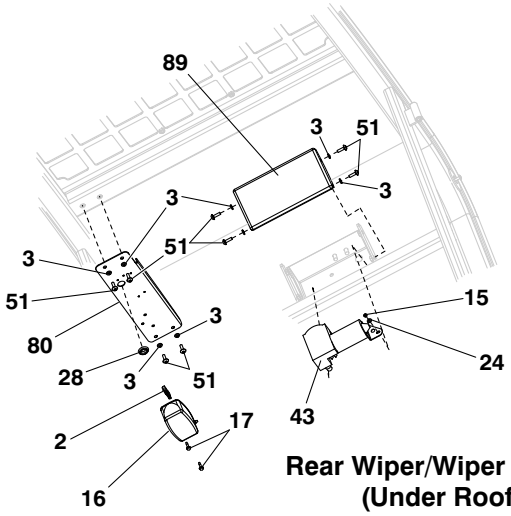
Ref. No.	Part No.	Description	Qty.
18	270629	PAD/DOOR HINGE	4
19	270627	SEAL/DOOR BULB	2
20	270630	PLATE/HINGE BACKING	2
21	270633	SOFT WASHER	4
22	270683	PLATE/BACKING	2
23	270631	WLDMT/LATCH MOUNT RT	1
24	270632	PAD/LATCH MOUNT BOX	1
25	270698	TUBE/SPACER	8
26	270693	WLDMT/LATCH COVER RT	1
27	270626	GLASS /DOOR RT	1
28	270701	SOFT WASHER	1
29	270703	PLATE/BUMPER	4
30	202566	HANDLE/GRAB W/LATCH LT 338MM	1
32	270637	WLDMT/LATCH MOUNT LT	1
33	270692	WLDMT/LATCH COVER LT	1
34	270635	GLASS /DOOR LT	1



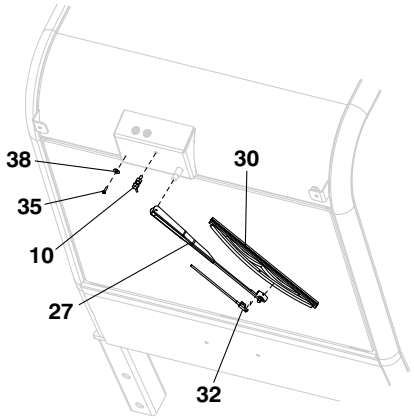
Front Wiper
(Inside Cab)



Front Wiper
(Outside Cab)



Rear Wiper/Wiper Switch
(Under Roof)



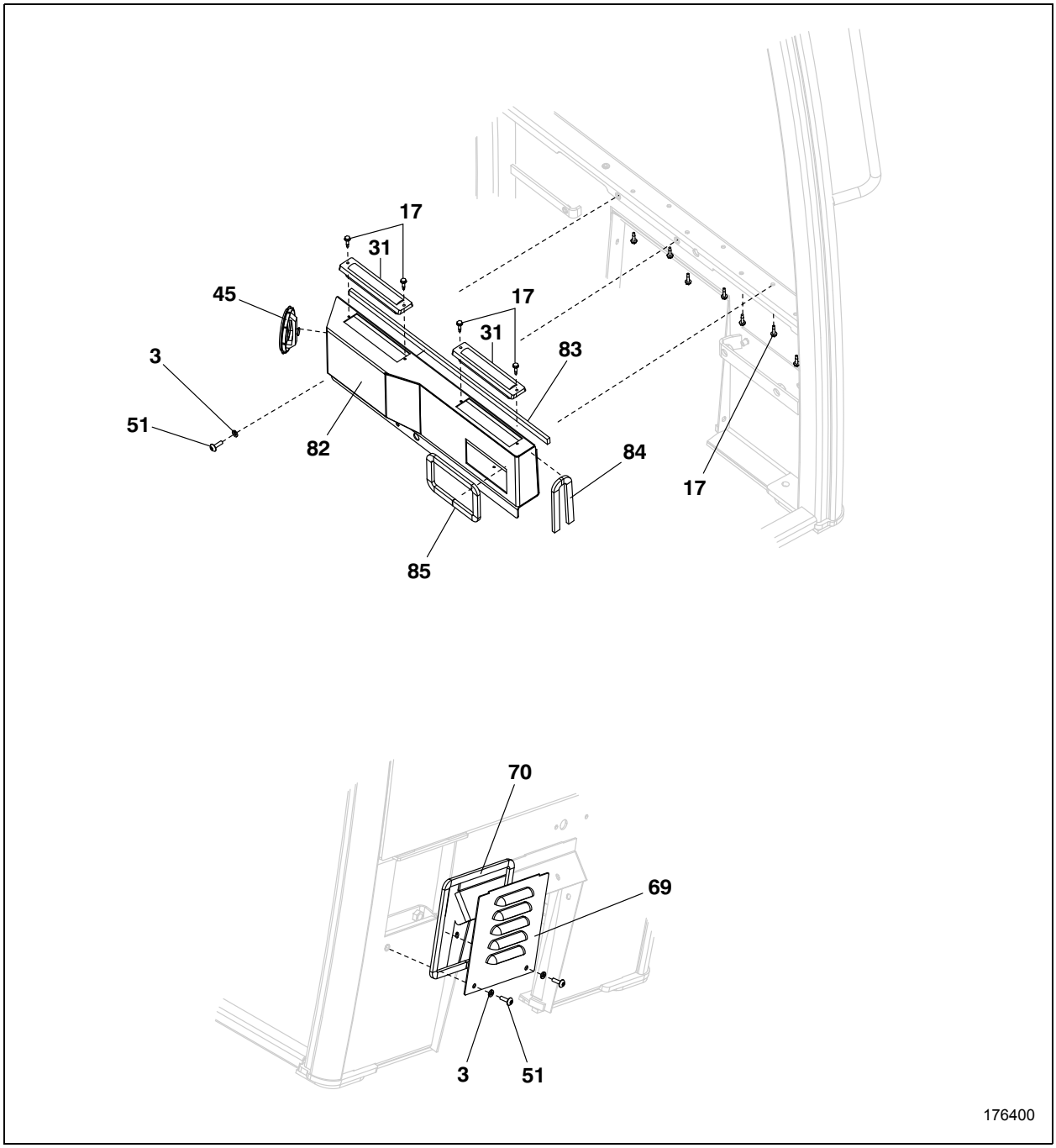
Rear Wiper
(Outside Cab)

176400

Ref. No.	Part No.	Description	Qty.
2	202970	TERMINAL/MALE	2
3	202557	LOCKWASHER	12
4	L71076	SWITCH/WIPER-WASHER	2
10	L500099	WASHER NOZZLE	2
11	202979	HEX BOLT, 0.25-20 X .75 - G5	2
15	651704	LN INST M4-0.7 C8 ZY DIN6924	1
16	202984	DOME LIGHT	1
17	651772	PHMS CR #832X1-3/8 CZ	2
24	651714	FW M4 ZY DIN125	1
25	202993	WIPER BLADE, 28”	1
26	202994	PIVOT ASSY	1
27	202995	WIPER ARM	1
28	182070	GROMMET	1
29	138268	WIPER ARM	1
30	202998	WIPER BLADE, 14”	1

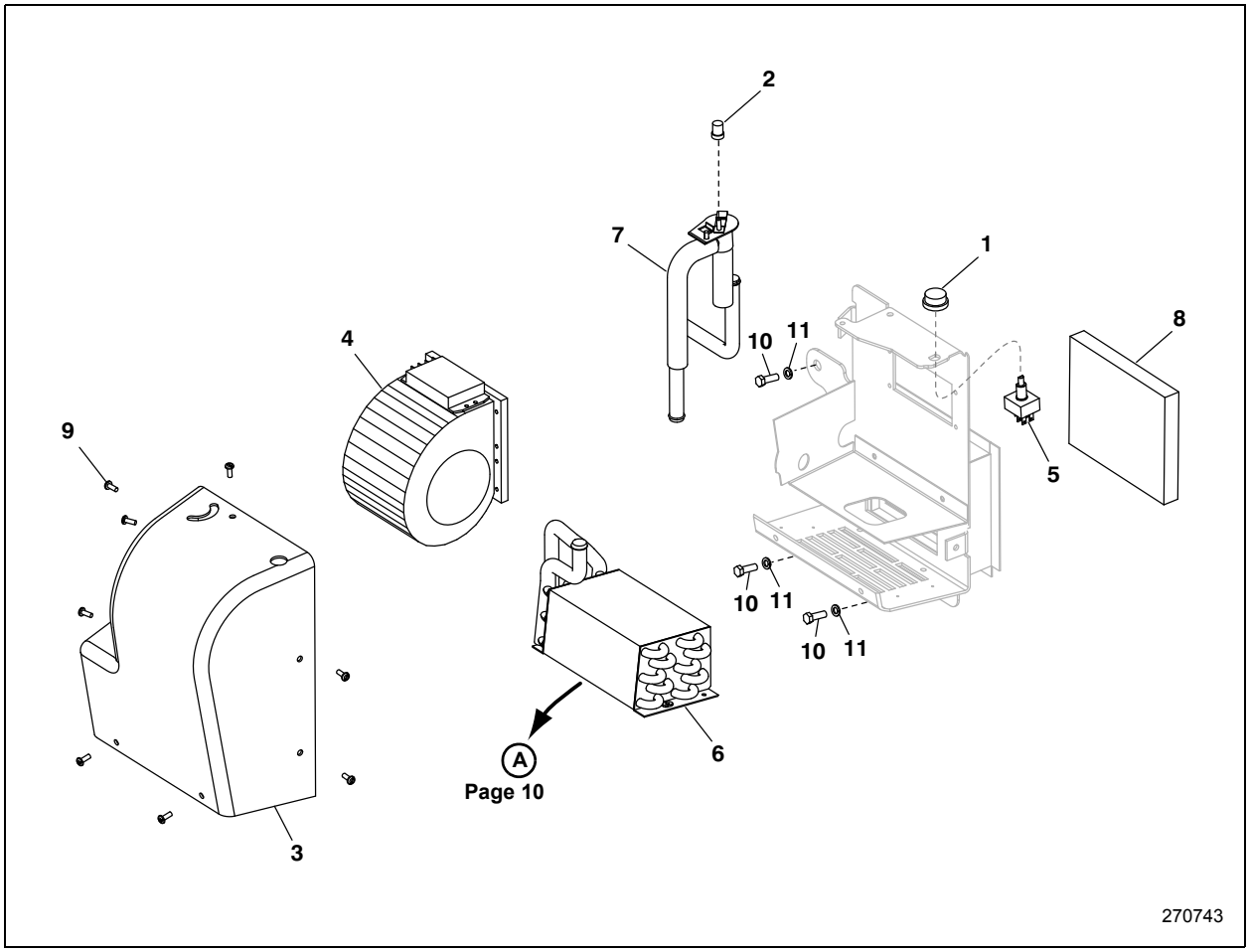
Ref. No.	Part No.	Description	Qty.
32	203000	WASHER FITTING	1
35	176679	SCREW/TPH TF TORX M4-0.7X16	1
36	656101	LW M5 ZY DIN127	4
38	101717	WASHER	1
43	203010	WIPER MOTOR	1
47	176680	SCREW/TPH TF TORX M5-0.8X16	4
48	656159	HN FL M5-0.8 C5 ZY DIN6923	4
51	203018	TRUSS HEAD SCREW	12
52	203019	CUP HOLDER	1
61	203027	FRONT WIPER MOTOR ASSY	1
68	203032	FRONT WIPER COVER	1
80	203064	DOME LIGHT BRACKET	1
89	270352	COVER/WIPER MOTOR	1

AL 540 - CAB
HEATER



Ref. No.	Part No.	Description	Qty.
3	202557	LOCKWASHER	4
17	L70487	FLANGE SCREW, #10-16X.75	11
31	202999	HEATER VENT	2
45	203012	VENT	1
51	203018	TRUSS HEAD SCREW	4
69	203060	LOUVERED PANEL	1

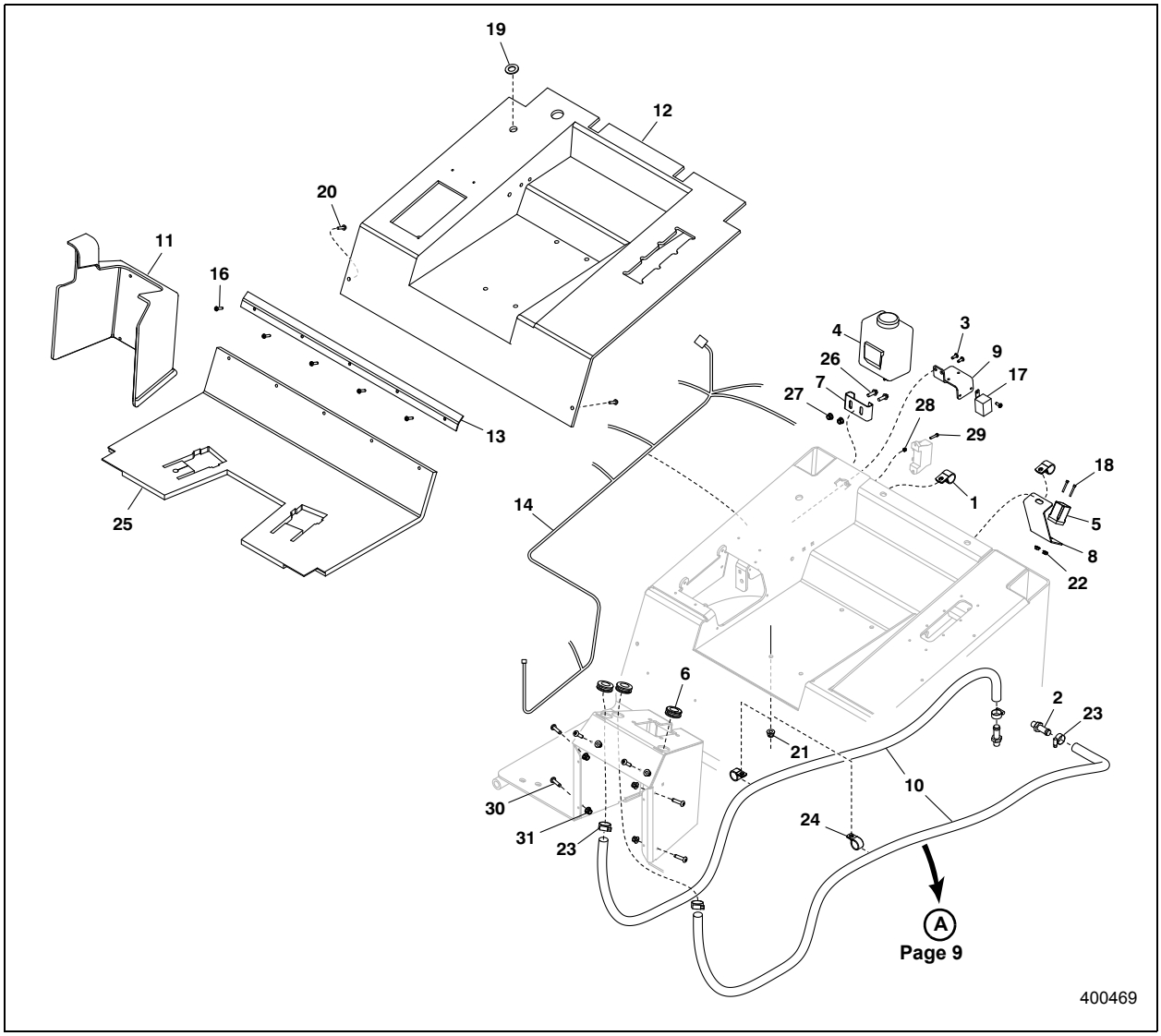
Ref. No.	Part No.	Description	Qty.
70	203061	FOAM SEAL	1
82	203065	HEATER DUCT	1
83	203066	FOAM SEAL/HEATER DUCT TOP	1
84	203067	FOAM SEAL/HEATER DUCT END	1
85	203068	FOAM SEAL/HEATER	1



Ref. No.	Part No.	Description	Qty.
1	136304	KNOB/HEATER SWITCH	1
2	203059	KNOB/TEMP CONTROL	1
3	270624	COVER/HEATER	1
4	270883	BLOWER/HEATER	1
5	270884	SWITCH/HEATER	1
6	270885	HEATER CORE	1
7	270886	ASSY/VALVE & TUBE	1

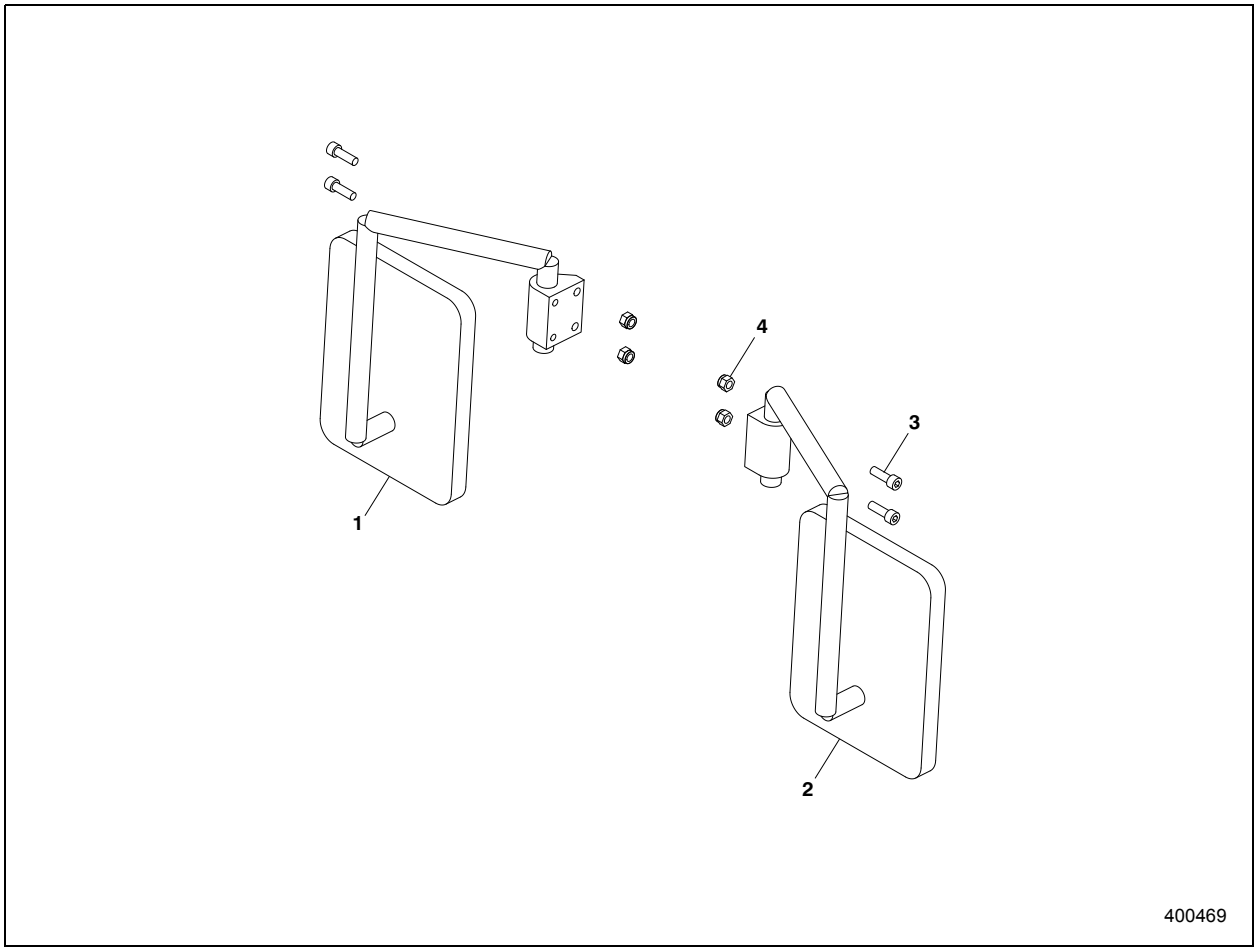
Ref. No.	Part No.	Description	Qty.
8	184709	FILTER/RECIRCULATION AIR	1
9	651343	PHMS #1024X1/2 CBC	8
10	656016	CS M12-1.75X30 C8.8 ZY DIN931	3
11	656118	LW M12 ZY DIN127	3

AL 540 - CAB
COMPLETING COMPONENTS



Ref. No.	Part No.	Description	Qty.
1	073535	CLAMP/HOSE	2
2	123352	ST MP06 BD10	2
3	176681	SCREW/TPH TF TORX M6-1.00X16	3
4	201436	BOTTLE/WASHER FLUID	1
5	270099	RELAY	1
6	270116	GROMMET/RUBBER	3
7	270138	BRACKET/WASHER BOTTLE	1
8	270197	BRACKET/RELAY	1
9	270202	BRACKET/RELAY	1
10	270206	HOSE/HEATER RETURN	2
11	270255	COVER/STEERING COLUMN	1
12	273090	LINER/SEATDECK	1
13	270383	BRACKET/TRIM	1
14	270696	HARNESS/CAB	1
16	271374	SCREW/TPH TF TORX M6-1.00X30	5
17	420-35602	RELAY	1

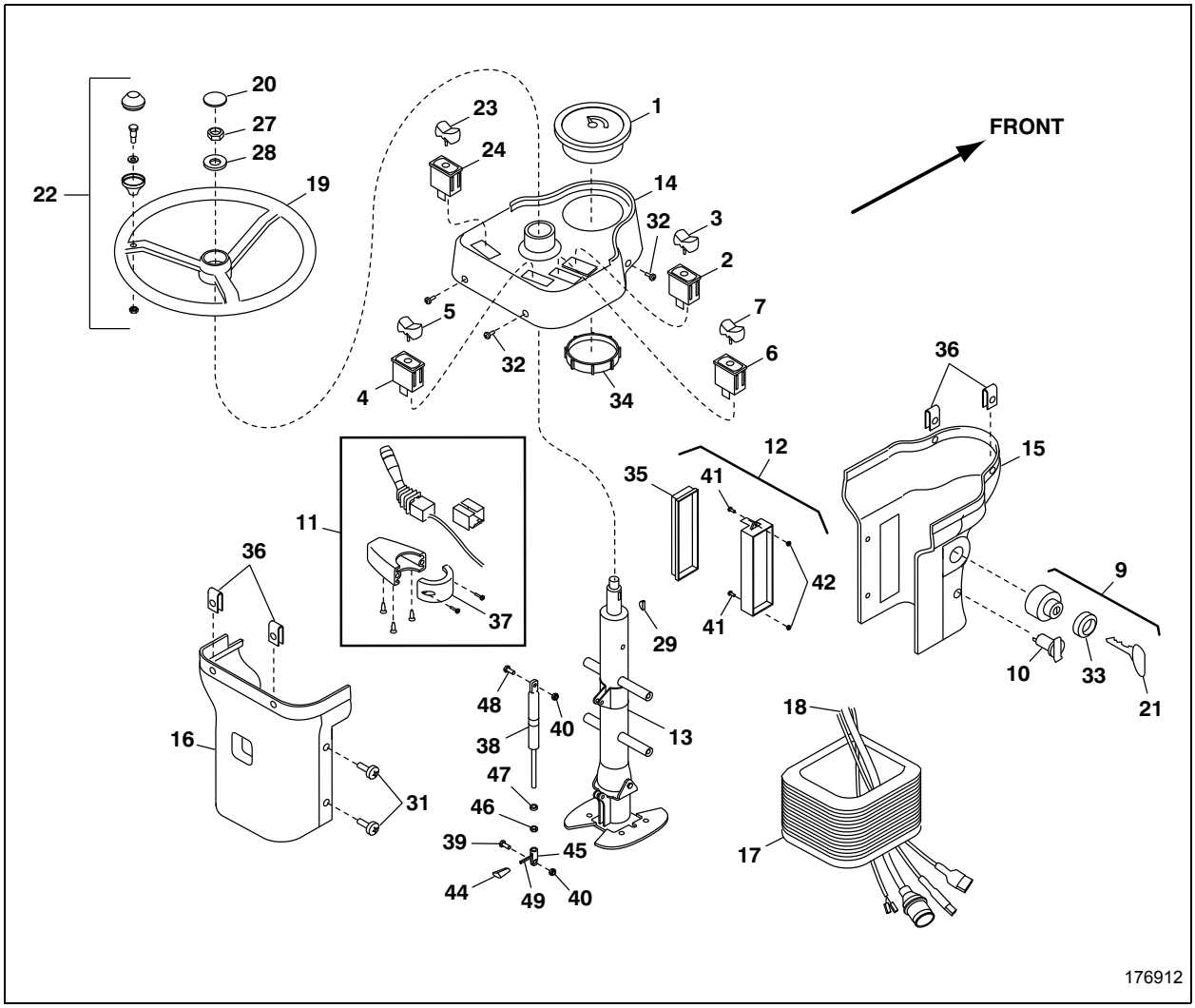
Ref. No.	Part No.	Description	Qty.
18	651501	SHCS M4-0.7X30 C8.8 ZY DIN912	2
19	651564	FW 3/4 HT ZY	1
20	651694	CS FL M6-1.00X25 C8.8 ZY DIN1662	2
21	651707	LN INST FL M10-1.50 C8 ZY DIN6926	1
22	656158	HN FL M4-0.7 C5 ZY DIN6923	2
23	095955	CLAMP/HOSE #10	4
24	L45666	CLAMP/VINYL COATED 1 IN.	2
25	270261	FLOORMAT	1
26	651695	CS FL M8-1.25X25 C8.8 ZY DIN1662	2
27	651706	LN INST FL M8-1.25 C8 ZY DIN6926	2
28	651456	LN INS M5-0.8 C8 ZY DIN6924	1
29	651423	CS M5-0.8X25 C8.8 ZY DIN931	1
30	176682	SCREW/TPH TF TORX M6-1.00X25	6
31	651705	LN INST FL M6-1.00 C8 ZY DIN6926	6



Ref. No.	Part No.	Description	Qty.
1	270836	MIRROR/RT	1
2	270768	MIRROR/LT	1

Ref. No.	Part No.	Description	Qty.
3	656123	SHCS M8-1.25X25 C12.9 ZY DIN912	4
4	651458	LN INS M8-1.25 C8 ZY DIN6924	4

AL 540 - CAB
STEERING COLUMN - DELUXE

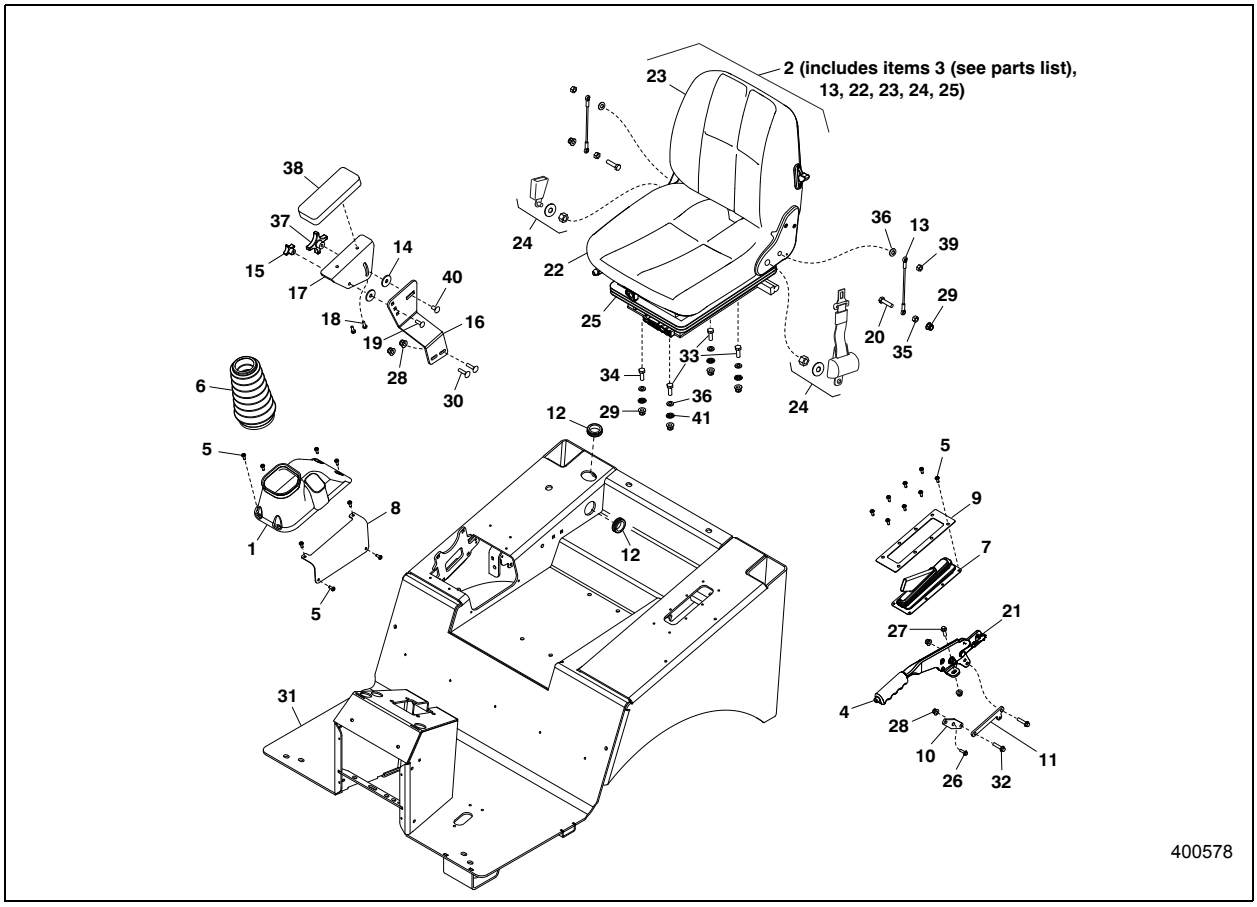


Ref. No.	Part No.	Description	Qty.
1	201235	GAUGE/DELUXE	1
2	270731	SWITCH/HAZARD	1
3	270707	TOGGLE/HAZARD	1
4	270498	SWITCH/WORK LIGHT	1
5	270499	TOGGLE/WORK LIGHT	1
6	270500	SWITCH/BEACON	1
7	270501	TOGGLE/BEACON	1
9	270503	SWITCH/IGNITION W/KEYS (Includes Ref. Nos. 21 & 33)	1
10	230062	SOCKET/ELECTRICAL ACC.	1
11	270708	STALK/CONTROL (Includes Ref. No. 37)	1
12	270709	BOX/FUSE (Includes Ref. Nos. 35, 41 & 42)	1
13	270710	SHAFT/STEERING	1
14	270711	PANEL/INSTRUMENT	1
15	270712	CONSOLE/FRONT STEERING	1
16	270510	CONSOLE/BACK STEERING	1

Ref. No.	Part No.	Description	Qty.
17	270713	BOOT/STEERING CONSOLE	1
18	270714	HARNESS/WIRE	1
19	270513	WHEEL/STEERING	1
20	270715	CAP/STEERING WHEEL	1
21	270584	KEY/IGNITION (SET/2)	1
22	202678	KIT/STEERING KNOB	1
23	271136	TOGGLE/POWER-A-TACH	1
24	271135	SWITCH/POWER-A-TACH	1
27	270521	HJN M18	1
28	270522	WASHER/M18	1
29	270523	KEY/WOODRUFF	1
31	230071	SCREW/PTHM M6 X 16	4
32	230072	SCREW/PTHM M4 X 12	4
33	270527	COVER/PLASTIC	1
34	270528	NUT/PLASTIC	1
35	270716	COVER/FUSE BOX	1
36	270530	NUT/EXTRUDED M4	4

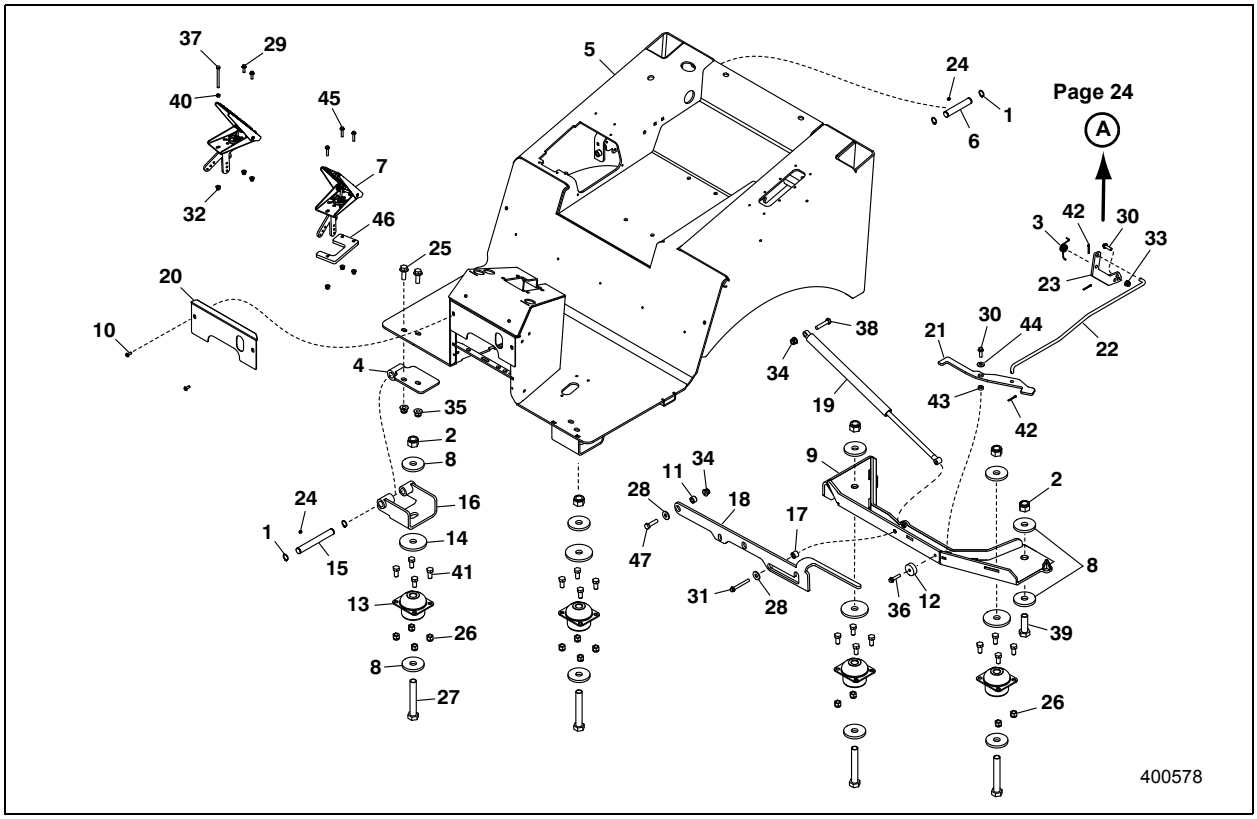
Ref. No.	Part No.	Description	Qty.
37	270717	CLAMP/CONTROL STALK	1
38	270718	STRUT	1
39	270719	CS M8 X 30	1
40	270720	LN INST M8	2
41	270721	SCREW/PTHM M4 X 16	2
42	230064	HN M4	2
44	270724	GRIP	1
45	270725	CAM	1
46	270726	HJN M8	1
47	270727	SPACER	1
48	270728	CS M8 X 30	1
49	270729	LEVER	1

AL 540 - CAB
OPERATOR'S PLATFORM - UPPER



Ref. No.	Part No.	Description	Qty.
1	273992	COVER/CONTROL VALVE	1
2	274095	SEAT/SUSPENSION (Includes Ref. Nos. 3, 13, 22, 23, 24 & 25)	1
3	274148	SWITCH/ELECTRIC (not shown) (Operator Presence - Seat Switch)	
4	176544	LEVER/HAND BRAKE (Includes Ref. No. 21)	1
5	176681	SCREW/TPH TF TORX M6-1.00X16	16
6	176825	BOOT/JOYSTICK	1
7	176858	BOOT/BRAKE/PARKING	1
8	273671	COVER/CONTROL VALVE	1
9	201006	HOLD -DOWN/BOOT	1
10	201428	BELLCRANK/PARK BRAKE	1
11	201429	LINK/PARK BRAKE	1
12	271752	GROMMET	2
13	270585	CABLE	2
14	271098	WASHER/PLASTIC	2
15	271997	KNOB/FOUR-ARM	1
16	272019	BRACKET	1
17	272020	BRACKET/ARM REST	1
18	650448	CS 1/4X3/4 C5ZY	2
19	651065	CB SN 5/16X1 C5ZY	1
20	651400	CS M10-1.5X40 C10.9 ZY DIN931	2

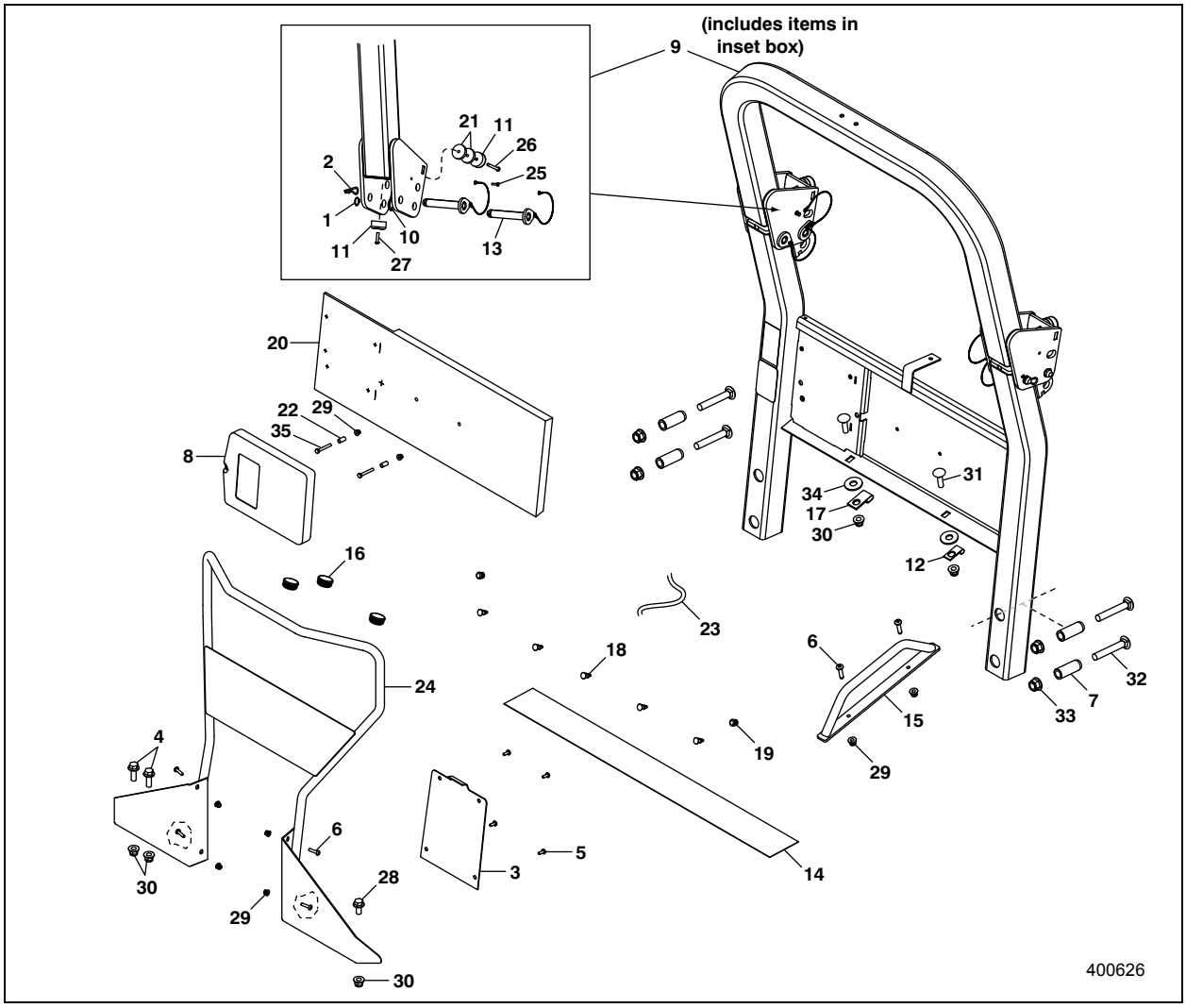
Ref. No.	Part No.	Description	Qty.
21	201168	SWITCH/PARKING BRAKE	1
22	270047	CUSHION	1
23	270049	BACKREST	1
24	270050 274279	SEATBELT/2" (Standard) SEATBELT/3 INCH (Option)	1 1
25	270226	SUSPENSION/ADJUSTABLE	1
26	651693	CS FL M6-1.00X20 C8.8 ZY DIN1662	1
27	651695	CS FL M8-1.25X25 C8.8 ZY DIN1662	1
28	651706	LN INST FL M8-1.25 C8 ZY DIN6926	5
29	651707	LN INST FL M10-1.50 C8 ZY DIN6926	6
30	651716	CB M8-1.25X35 C8.8 ZY DIN603	2
31	273676	WDMT/OPERATOR PLATFORM	1
32	651720	CS FL M8-1.25X35 C8.8 ZY DIN1662	2
33	656008	CS M10-1.5X30 C8.8 ZY DIN931	3
34	656010	CS M10-1.5X40 C8.8 ZY DIN931	1
35	656049	HN M10-1.5 C8 ZY DIN934	2
36	656133	FW M10 ZY DIN125	6
37	L69755	KNOB	1
38	L69756	REST/ARM	1
39	656063	HJN M8-1.25 C4 ZY DIN439	2
40	651066	CB SN 3/8X3/4 C5ZY	1
41	274582	RETAINER 10MM	4



Ref. No.	Part No.	Description	Qty.
1	067950	RING/EXTERNAL RETAINING	4
2	071250	LN INST M20-2.50 C9 ZY DIN6924	5
3	119887	SPRING/TORSION	1
4	175624	WDMT/HINGE	1
5	273676	WDMT/OPERATOR PLATFORM	1
6	176383	PIN/HINGE (platform pivot, rear)	1
7	176387	PEDAL/MEDIUM DUTY	2
8	176492	PLATE/CAB MOUNT	10
9	176560	WDMT/SUSPENSION BRKT	1
10	176681	SCREW/TPH TF TORX M6-1.00X16	2
11	176869	SPACER	1
12	200163	SNUBBER/PROP ROD	1
13	200174	ISOLATOR/CAB	4
14	200212	PLATE/GUIDE	4
15	200277	PIN/PIVOT/FRONT	1
16	200280	WDMT/PIVOT BRKT	1
17	201062	SPACER	1
18	201400	BAR/PROP	1
19	270134	GAS SHOCK	1
20	273820	COVER/STEERING PEDESTAL (w/ROPS)	1
21	271890	PLATE/LOCK	1
22	271901	ROD/LOCK	1
23	271948	PLATE/BELLCRANK	1
24	570021	FITTING /GREASE	2

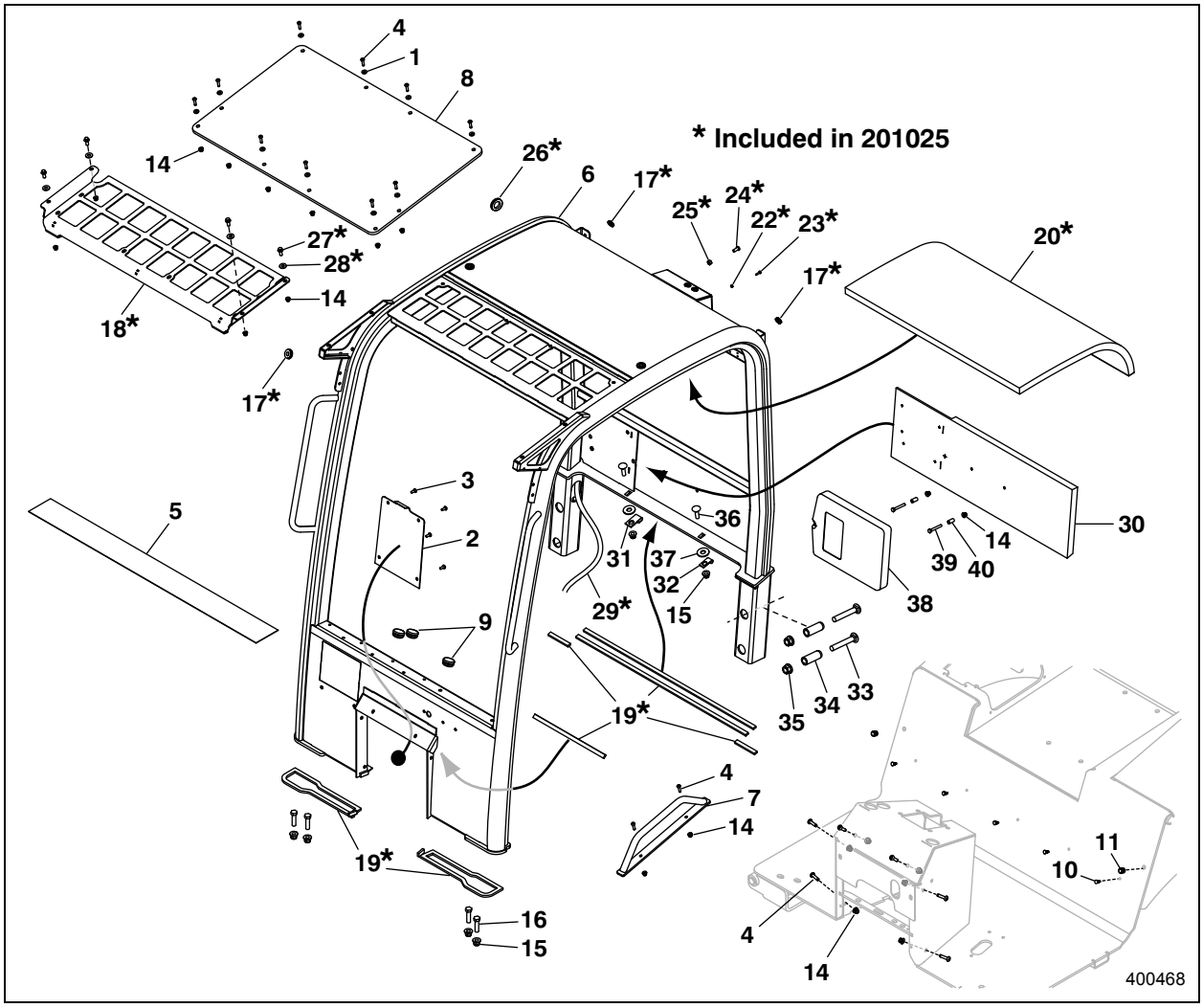
Ref. No.	Part No.	Description	Qty.
25	176656	CS FLH M12-1.75X35 C8.8ZY (two-post ROPS)	2
	656019	CS M12-1.75X45 C10.9 ZY DIN931 (four-post ROPS and cab)	2
26	651449	LN INST M12-1.75 C8 ZY DIN6924	12
27	651543	CS M20-2.5X130 C10.9 ZY DIN931	4
28	651659	FW M10 HARDENED Z	2
29	651693	CS FL M6-1.00X20 C8.8 ZY DIN1662	2
30	651695	CS FL M8-1.25X25 C8.8 ZY DIN1662	2
31	651696	CS FL M8-1.25X70 C8.8 ZY DIN1662	1
32	651705	LN INST FL M6-1.00 C8 ZY DIN6926	6
33	651706	LN INST FL M8-1.25 C8 ZY DIN6926	1
34	651707	LN INST FL M10-1.50 C8 ZY DIN6926	2
35	651708	LN INST FL M12-1.75 C8 ZY DIN6926	2
36	651720	CS FL M8-1.25X35 C8.8 ZY DIN1662	1
37	651736	CS M6-1.00X75 C8.8 ZY DIN931	1
38	656012	CS M10-1.5X50 C8.8 ZY DIN931	1
39	656039	CS M20-2.5X60 C8.8 ZY DIN931	1
40	656047	HN M6-1 C8 ZY DIN934	1
41	656122	CS M12-1.75X25 C8.8 ZY DIN931	16
42	655006	CP EPSC 1/8x1 Z	3
43	271611	BUSHING	1
44	654004	FW 5/16 AWZY	1
45	651759	CS FL M6-1.00x30 C8.8 ZY DIN1662	3
46	272424	PEDAL PLATE SPACER	1
47	651400	CS M10-1.5x40 C10.9 ZY DIN931	1

AL 540 - CAB
ROPS - TWO-POST - 201024



Ref. No.	Part No.	Description	Qty.
1	067950	RING/EXTERNAL RETAINING	2
2	076100	COTTER/HAIRPIN 1/8X2-3/8	2
3	175682	COVER/STEERING COLUMN	1
4	176656	CS FLH M12-1.75X35 C8.8ZY SP DN1665	2
5	176681	SCREW/TPH TF TORX M6-1.00X16 CZY	4
6	176682	SCREW/TPH TF TORX M6-1.00X25	6
7	176702	SPACER	4
8	192194	HOLDER/MANUAL	1
9	201024	ASSY/TWO POST ROPS (includes Ref. Nos. in inset box)	1
10	201032	SPACER/PLASTIC	4
11	201034	BUMPER/RUBBER	4
12	201216	CLAMP	1
13	201241	PIN W/TETHER	4
14	270057	TAPE/ANTI-SLIP (5.08FT)	1
15	270119	HANDLE/WLDMT	1
16	270180	PLUG/PLASTIC	3
17	270186	CLAMP/DOUBLE P	1

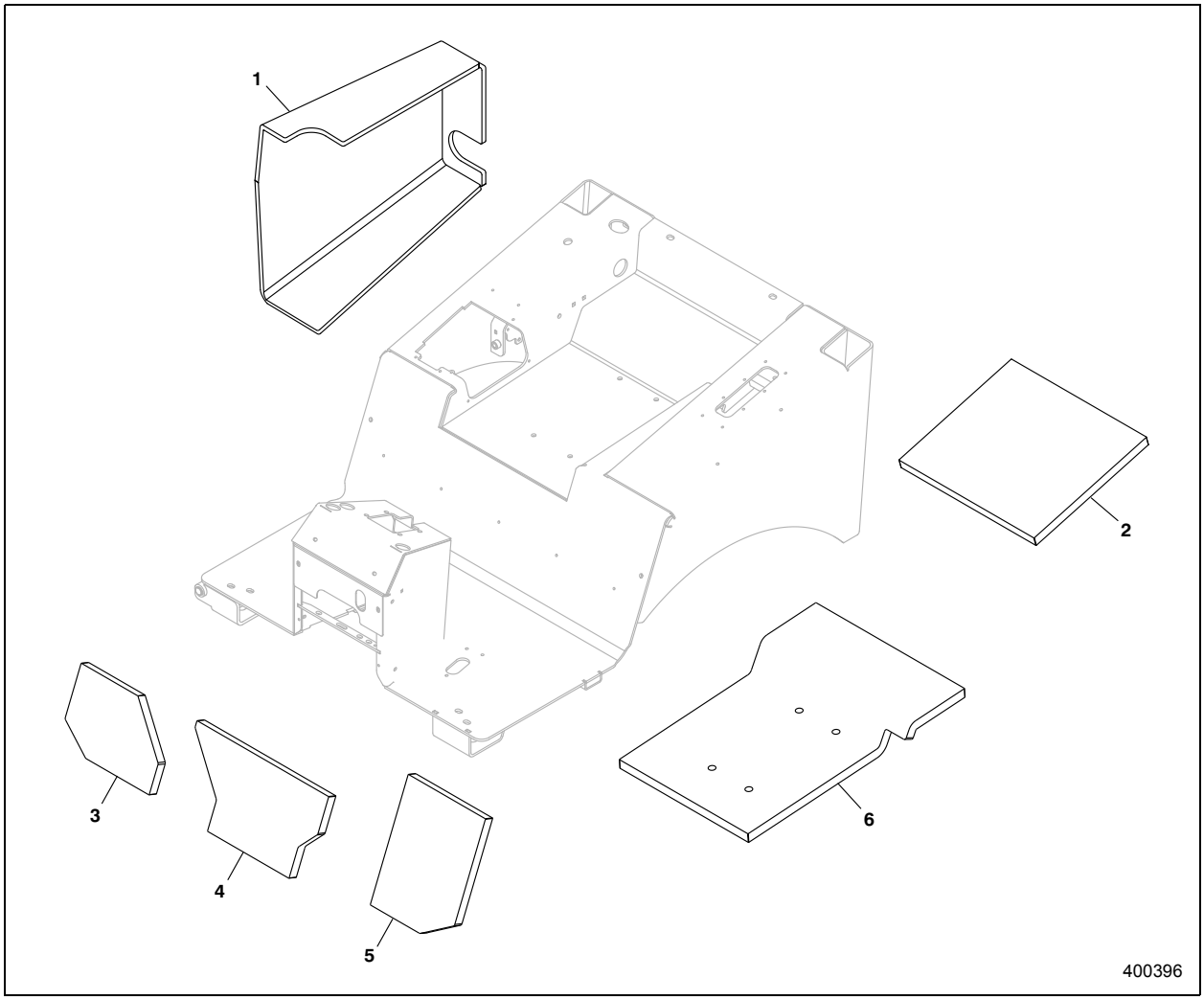
Ref. No.	Part No.	Description	Qty.
18	270588	PLUG/PLASTIC	5
19	270730	PLUG/PLASTIC	2
20	271109	FOAM/REAR PANEL	1
21	271301	SPACER	4
22	271897	SPACER	2
23	273987	HARNESS/WORK LIGHT	1
24	274026	HANDLE WDMT	1
25	651421	CS M4-0.7X16 C8.8 ZY DIN931	2
26	651511	SHCS M6-1X50 C8.8 ZY DIN912	2
27	651683	BHSCS M6-1.00X25 C10.9	2
28	651699	CS FLH M12-1.75X25 C8.8 ZY DIN1665	1
29	651705	LN INST FL M6-1.00 C8 ZY	8
30	651708	LN INST FL M12-1.75 C8 ZY DIN6926	4
31	651748	CB M12-1.75X45 C8.8 ZY DIN603	2
32	651763	CB 3/4X5 C5ZY	4
33	651765	LN INST FL 3/4 CFZY	4
34	654012	FW 5/8 AWZY	2
35	656172	CS M6-1X45 C8.8 ZY DIN931	2



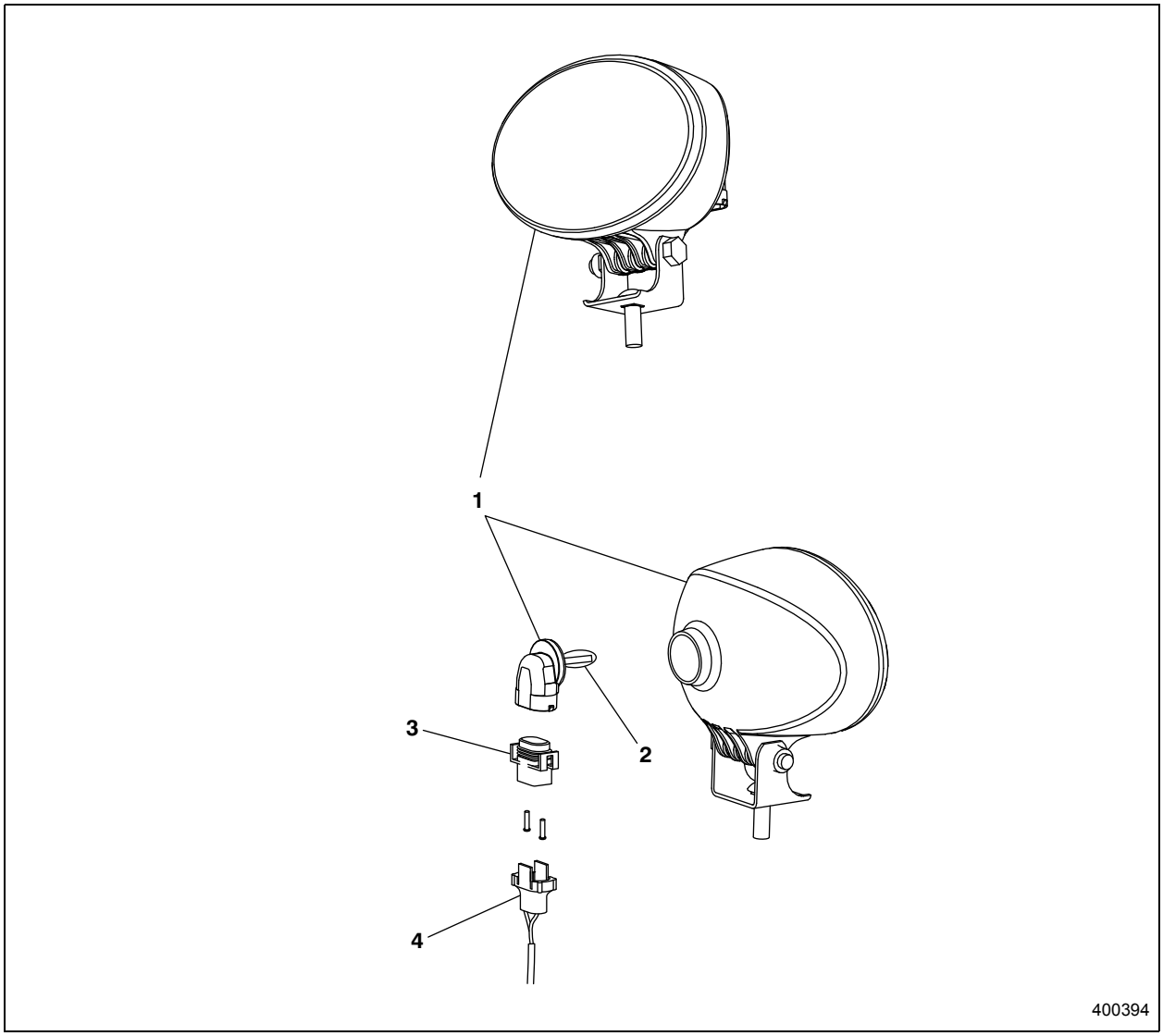
Ref. No.	Part No.	Description	Qty.
1	137462	WASHER 1/4 SEALING	10
2	175682	COVER/STEERING COLUMN	1
3	176681	SCREW/TPH TF TORX M6-1.00X16 CZY	4
4	176682	SCREW/TPH TF TORX M6-1.00X25	18
5	270057	TAPE/ANTI-SLIP (5.08FT)	1
6	201025	OPEN CAB STRUCTURE ASSY (Includes Ref. Nos. 17, 18, 19, 20, 22 - 28 & 29	1
7	270119	HANDLE/WLDMT	1
8	270161	WINDOW/SKYLIGHT	1
9	270180	PLUG/PLASTIC	3
10	270588	PLUG/PLASTIC	5
11	270730	PLUG/PLASTIC	2
14	651705	LN INST FL M6-1.00 C8 ZY DIN6926	18
15	651708	LN INST FL M12-1.75 C8 ZY DIN6926	6
16	656019	CS M12-1.75X45 C10.9 ZY DIN931	4
17	202570	GROMMET	3
18	202569	BRACKET/FOPS	1
19	202568	KIT/FOAM	1
20	202567	HEADLINER	1

Ref. No.	Part No.	Description	Qty.
22	656116	HN M4-0.7 C8 ZY DIN934	1
23	651421	CS M4-0.7X16 C8.8 ZY DIN931	1
24	651640	BHSCS 5/16X3/4 C RIE	1
25	653007	HN 5/16 C2ZY	1
26	202571	GROMMET	2
27	651689	CS FL M8-1.25X20 C8.8 ZY DIN1662	4
28	654004	FW 5/16 AWZY	4
29	201377	HARNESS/4 POST ROPS	1
30	272078	FOAM/REAR PANEL	1
31	270186	CLAMP/DOUBLE P	1
32	201216	CLAMP	1
33	651763	CB 3/4X5 C5ZY	4
34	176702	SPACER	4
35	651765	LN INST FL 3/4 CFZY	4
36	651748	CB M12-1.75X45 C8.8 ZY DIN603	2
37	654012	FW 5/8 AWZY	2
38	192194	HOLDER/MANUAL	1
39	656172	CS M6-1X45 C8.8 ZY DIN931	2
40	271897	SPACER	2

AL 540 - CAB
ISOLATION MATS

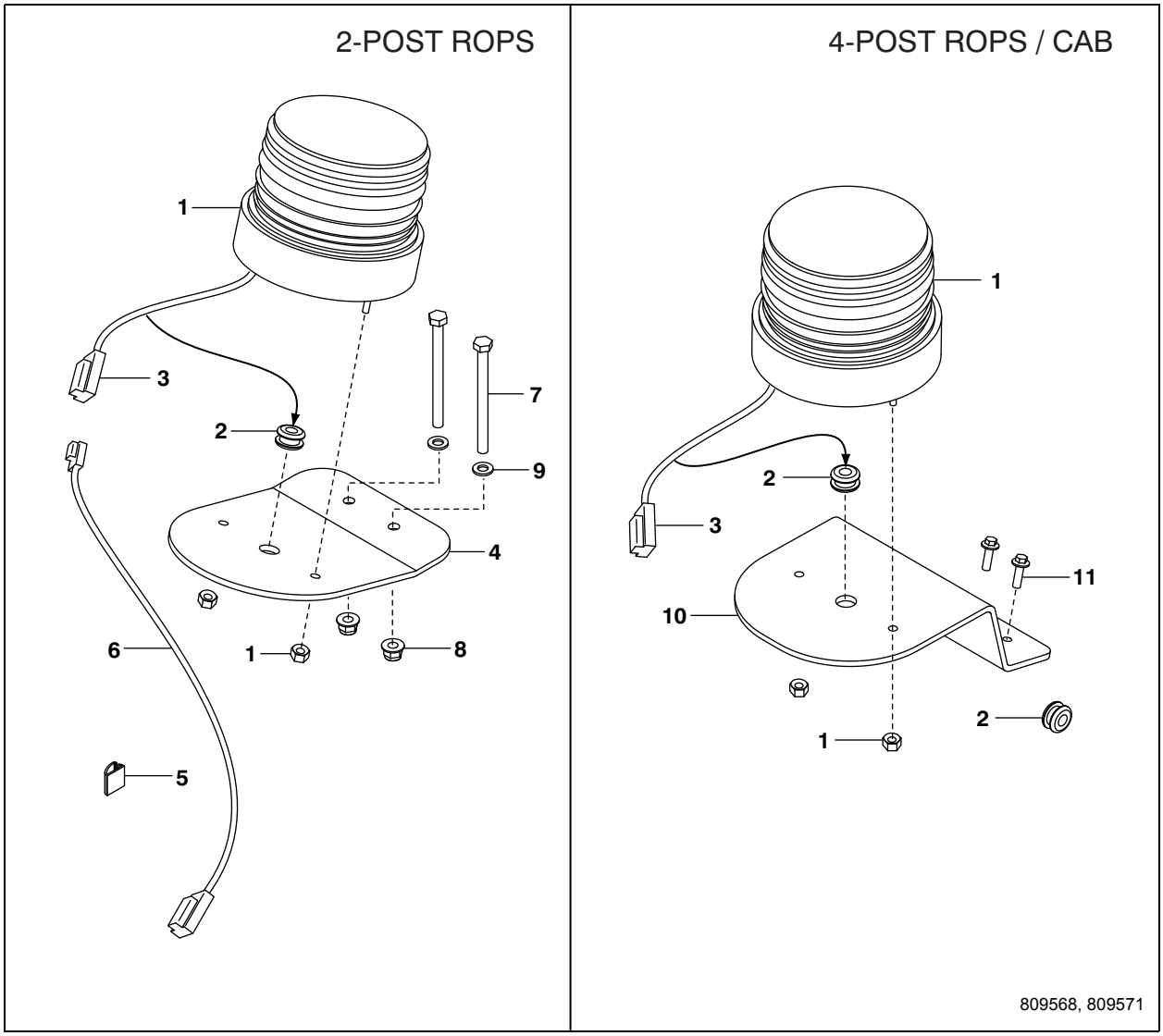


Ref. No.	Part No.	Description	Qty.
1	271124	FOAM/SOUND/MUFFLER	1
2	272227	FOAM/SKIDPLATE	1
3	270940	FOAM/SOUND/PLATFORM	1
4	270937	FOAM/SOUND/PLATFORM	1
5	270939	FOAM/SOUND/PLATFORM	1
6	270936	FOAM/SOUND/PLATFORM	1



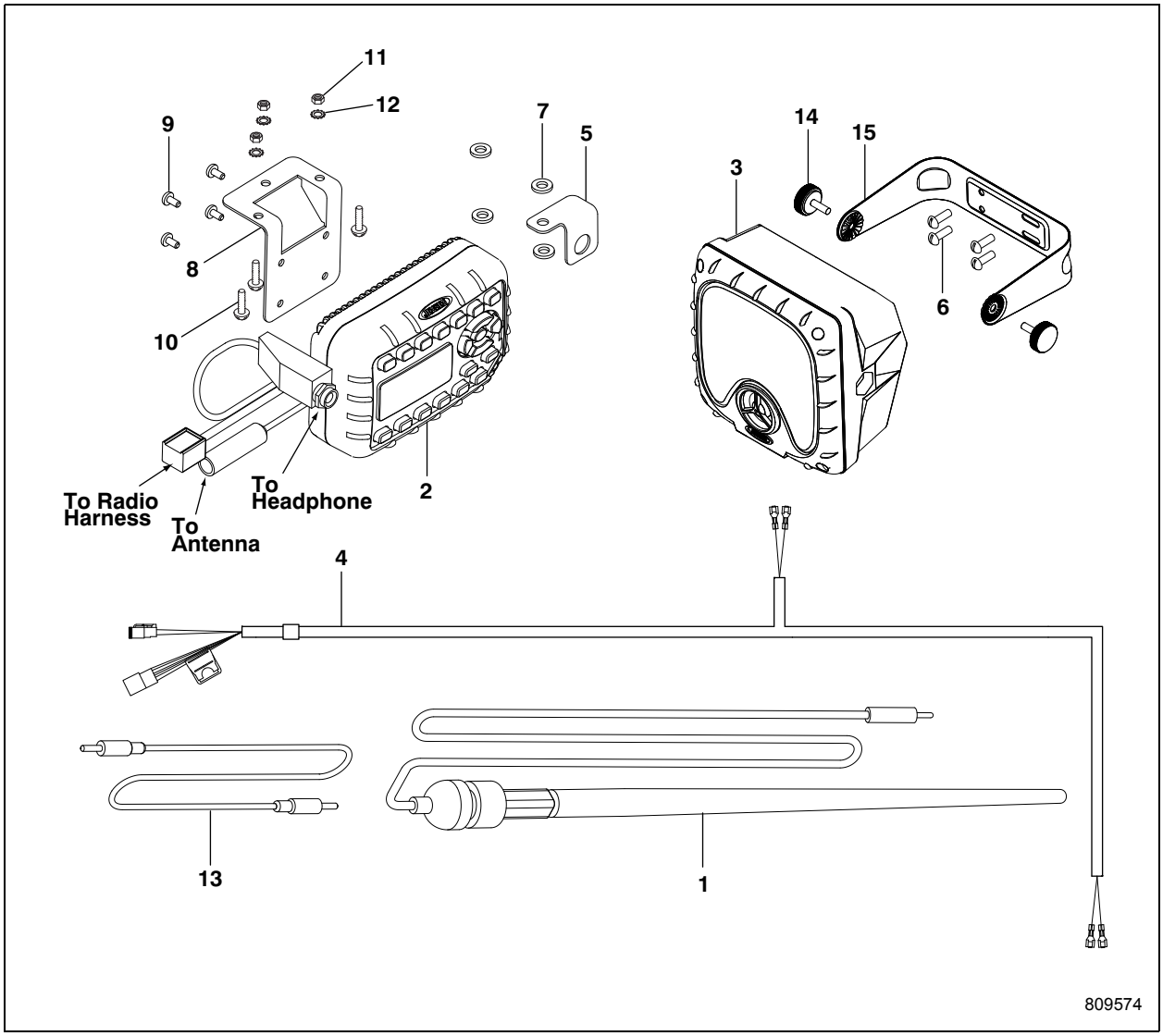
Ref. No.	Part No.	Description	Qty.
1	420-36292	HEADLIGHT	2
2	122488	BULB	2
3	420-36141	HOUSING, CONNECTOR FEMALE	2
4	420-36140	SECONDARY LOCK	2

NOTE: Quantities shown are for machines with two-post ROPS configuration. For machines with four-post ROPS or cab, quantities for each item are (4).



Ref. No.	Part No.	Description	Qty.
809568 KIT (FOR 2-POST ROPS)			
1	088296	STROBE	1
2	101712	GROMMET, RUBBER	1
3	274135	DEUTSCH M 2-PIN	1
4	201237	BRACKET/BEACON	1
5	270192	CLIP/SMALL WIRE	6
6	274117	HARNESS/BEACON	1
7	651681	CS M8-1.25X100 C8.8 ZY DIN931	2
8	651706	LN INST FL M8-1.25 C8 ZY DIN6926	2
9	656111	FW M8 ZY DIN125	2

Ref. No.	Part No.	Description	Qty.
809571 KIT (FOR 4-POST ROPS AND CAB)			
1	088296	STROBE	1
2	101712	GROMMET, RUBBER	2
3	274135	DEUTSCH M 2-PIN	1
10	273745	MOUNT/STROBE	1
11	651693	CS FL M6-1.00X20 C8.8 ZY DIN1662	2



Ref. No.	Part No.	Description	Qty.
1	184507	ANTENNA/RADIO	1
2	192454	RADIO/AM-FM-WB (includes bracket and additional hardware)	1
3	192764	SPEAKER/PAIR/3.5" (includes two complete speaker/bracket assemblies)	1
4	274113	HARNESS/RADIO (includes 3A replaceable fuse)	1
5	274356	BRACKET/HEADPHONE	1
6	650936	RHMS SLT# 832X1/2 CZY	8
7	656179	FW M6 ZY DIN125	4
8		BRACKET, RADIO MOUNTING *	1
9		M4X.7X8 SS SCREWS W/ WASHER *	4
10		10-32X5/8 IN. SS PPH SCREWS *	3

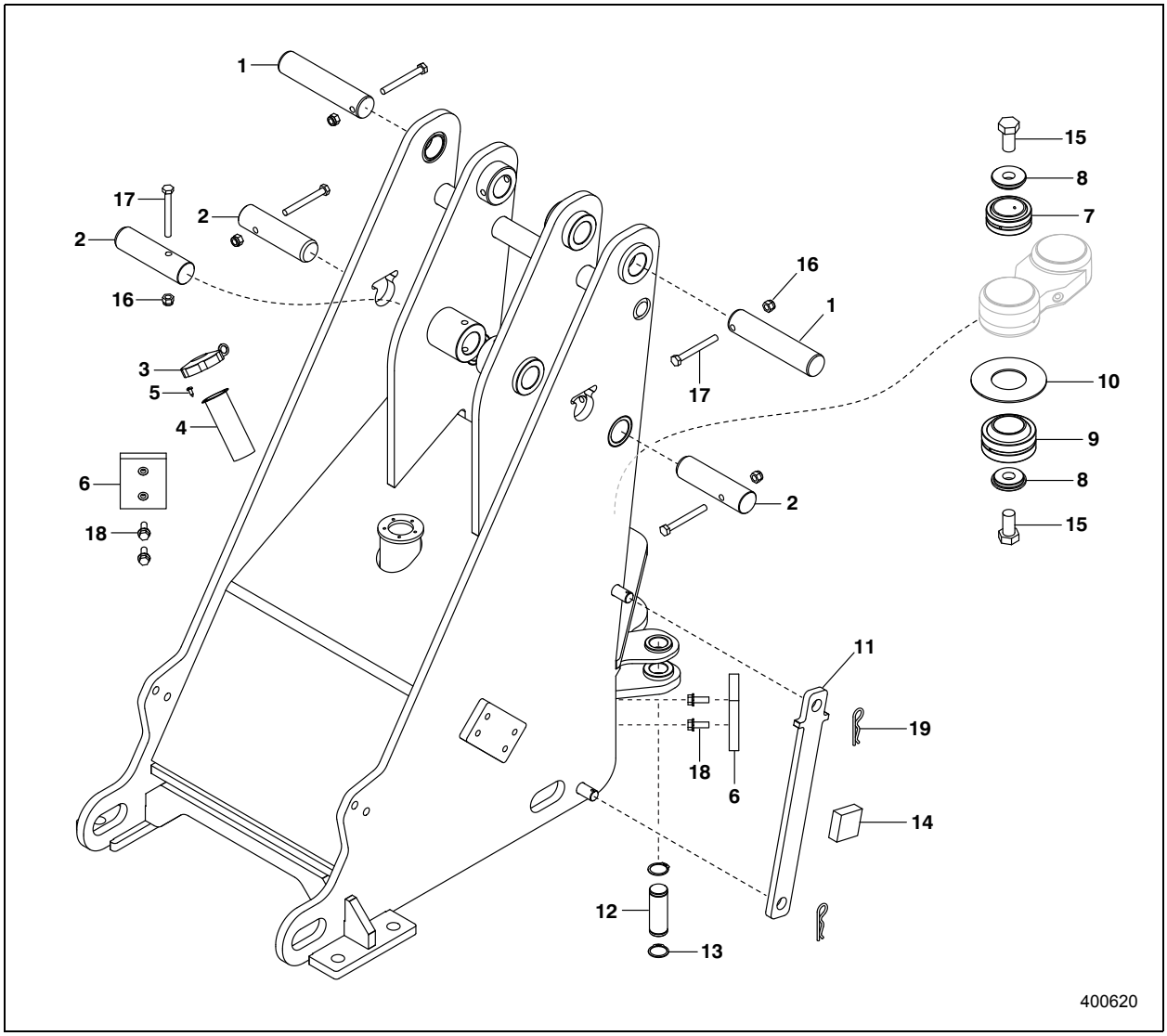
Ref. No.	Part No.	Description	Qty.
11		10-32 SS NUT *	3
12		#10 SS LOCKWASHER *	3
13		AUXILIARY INPUT CORD *	1
14		THUMBSCREW, SPEAKER BRACKET **	4
15		SPEAKER MOUNTING BRACKET **	2

*** Supplied with radio; not sold separately**

**** Supplied with speakers; not sold separately**

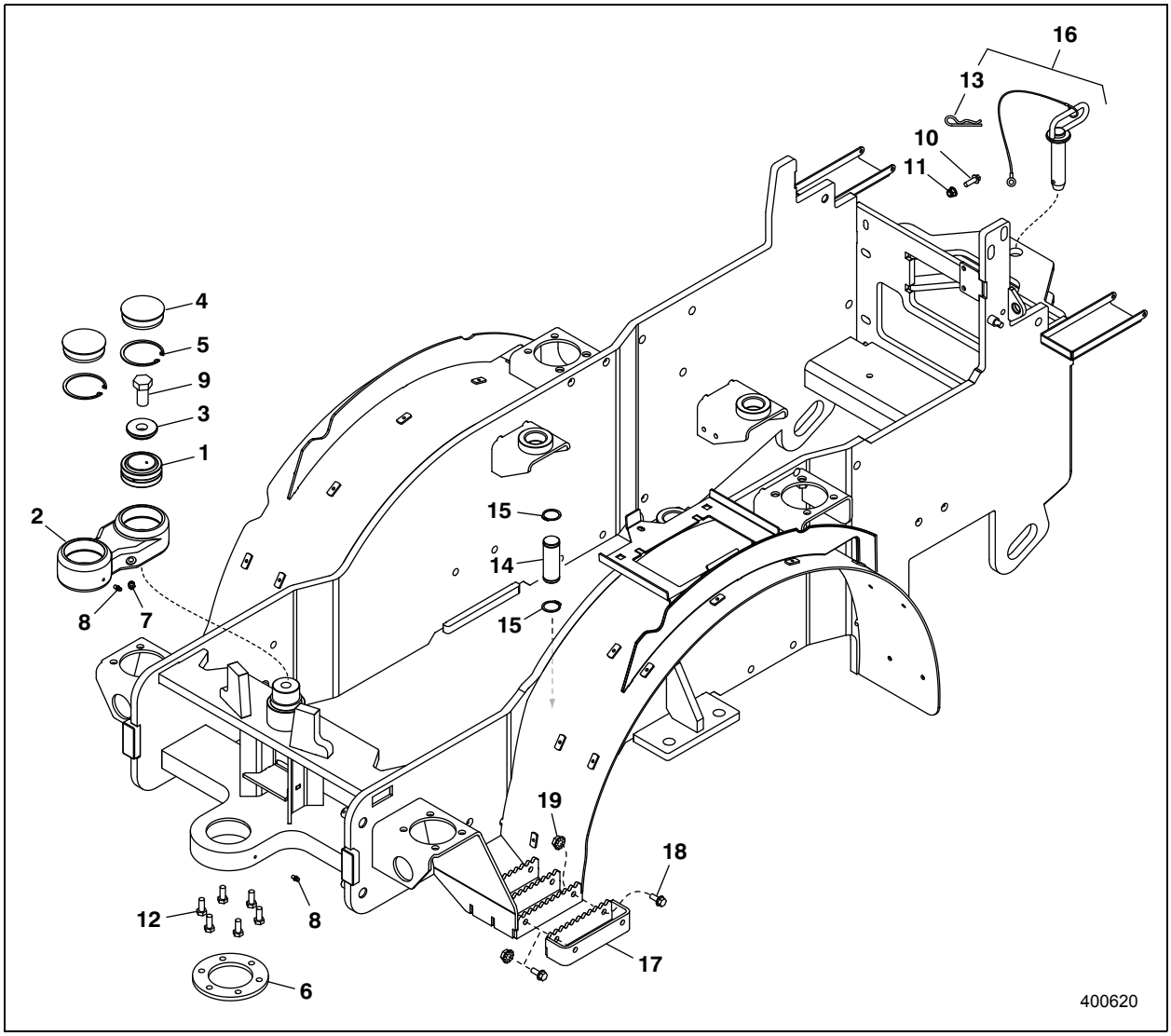
NOTE: Quantities shown in the parts listing are quantities needed for installation. Additional hardware or components may be included in packaging, but not used for this installation.

AL 540 - CHASSIS
FRONT FRAME



Ref. No.	Part No.	Description	Qty.
1	176664	PIN/PIVOT 40MM	2
2	176042	PIN/PIVOT	3
3	132051	FUEL TANK CAP	1
4	132050	STRAINER-FUEL FILL	1
5	650702	SCREW/TPH TF SLTD #632X3/8 CZY	2
6	L61709	PAD/SLIDE 3" X 4"	2
7	175934	BEARING/SPHERICAL PIVOT	1
8	176142	RETAINER/BEARING	2
9	176193	BEARING/SPHERICAL	1
10	176719	WASHER/BEARING SHIELD	1
11	200027	LOCK/STEERING	1

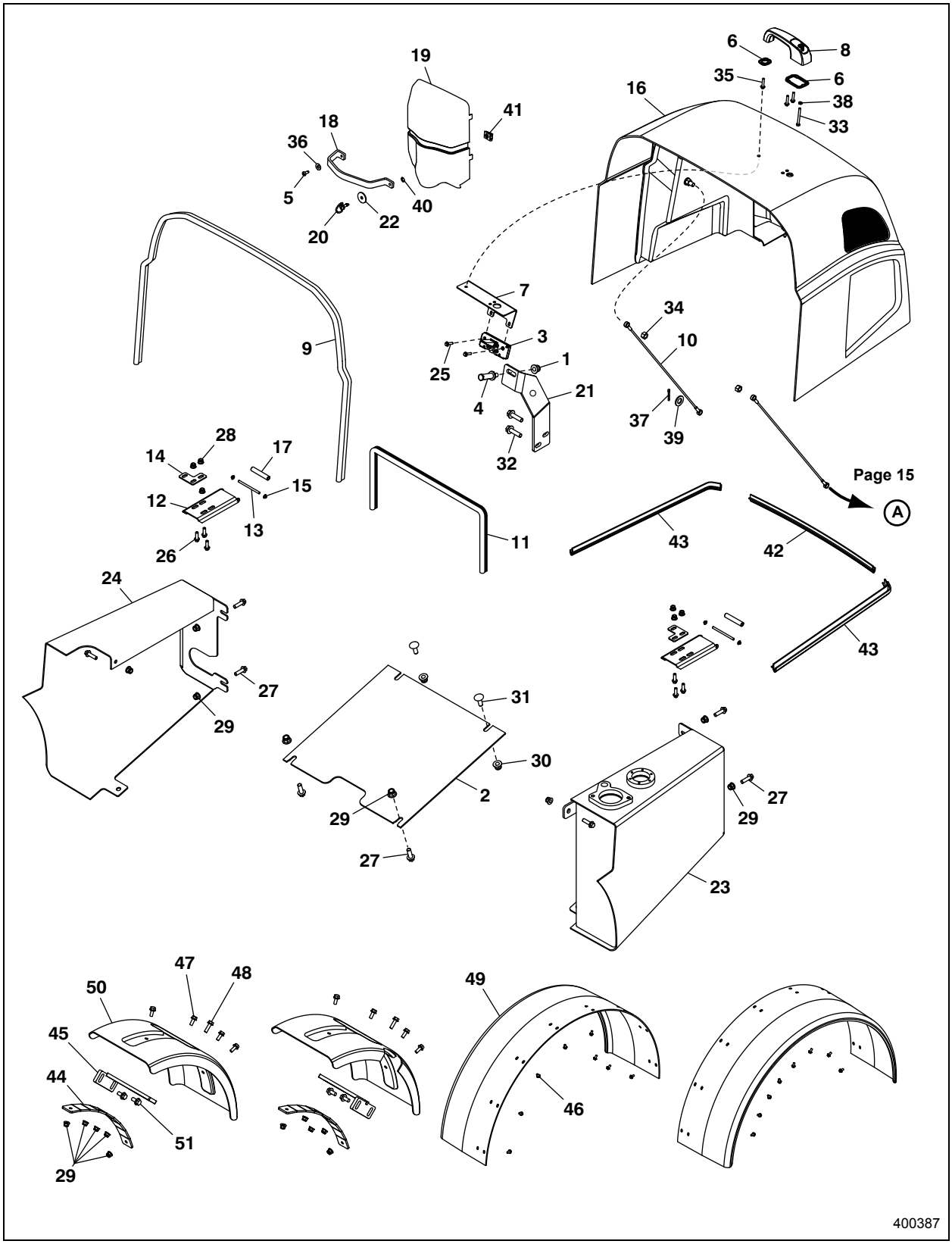
Ref. No.	Part No.	Description	Qty.
12	200084	PIN/STEERING	1
13	200090	RING/EXTERNAL SNAP	2
14	270924	BUMPER/FOAM	1
15	651419	CS M20-2.5X40 C10.9 ZY DIN931	2
16	651448	LN INS M10-1.5 C8 ZY DIN6924	5
17	656015	CS M10-1.5X90 C8.8 ZY DIN931	5
18	076589	CS FL LOCK 3/8X1 C5ZY	4
19	076099	COTTER/HAIRPIN 9/64X2-11/16	2



Ref. No.	Part No.	Description	Qty.
1	175934	BEARING/SPHERICAL PIVOT	1
2	175936	HOUSING/BEARING PIVOT	1
3	176142	RETAINER/BEARING	1
4	176450	CAP/BEARING	2
5	176468	RING/RETAINING	2
6	200202	RING RETAINING	1
7	613021	FITTING/GREASE M10X1	1
8	613052	FITTING/GREASE M6X1	2
9	651419	CS M20-2.5X40 C10.9 ZY DIN931	1
10	651695	CS FL M8-1.25X25 C8.8 ZY DIN1662	1
11	651706	LN INST FL M8-1.25 C8 ZY DIN6926	1

Ref. No.	Part No.	Description	Qty.
12	656007	CS M10-1.5X25 C8.8 ZY DIN931	6
13	076099	COTTER/HAIRPIN 9/64X2-11/16	1
14	200084	PIN/STEERING	1
15	200090	RING/EXTERNAL SNAP	2
16	270793	PIN/RETRIEVAL (Includes Ref. No. 13)	1
17	273505	WDMT/STEP (optional extension)	1
18	176653	CS FLH M10-1.5X25 C8.8ZY SP DIN1665	2
19	071043	LN SER FL M10-1.50 C10 ZY DIN196	2

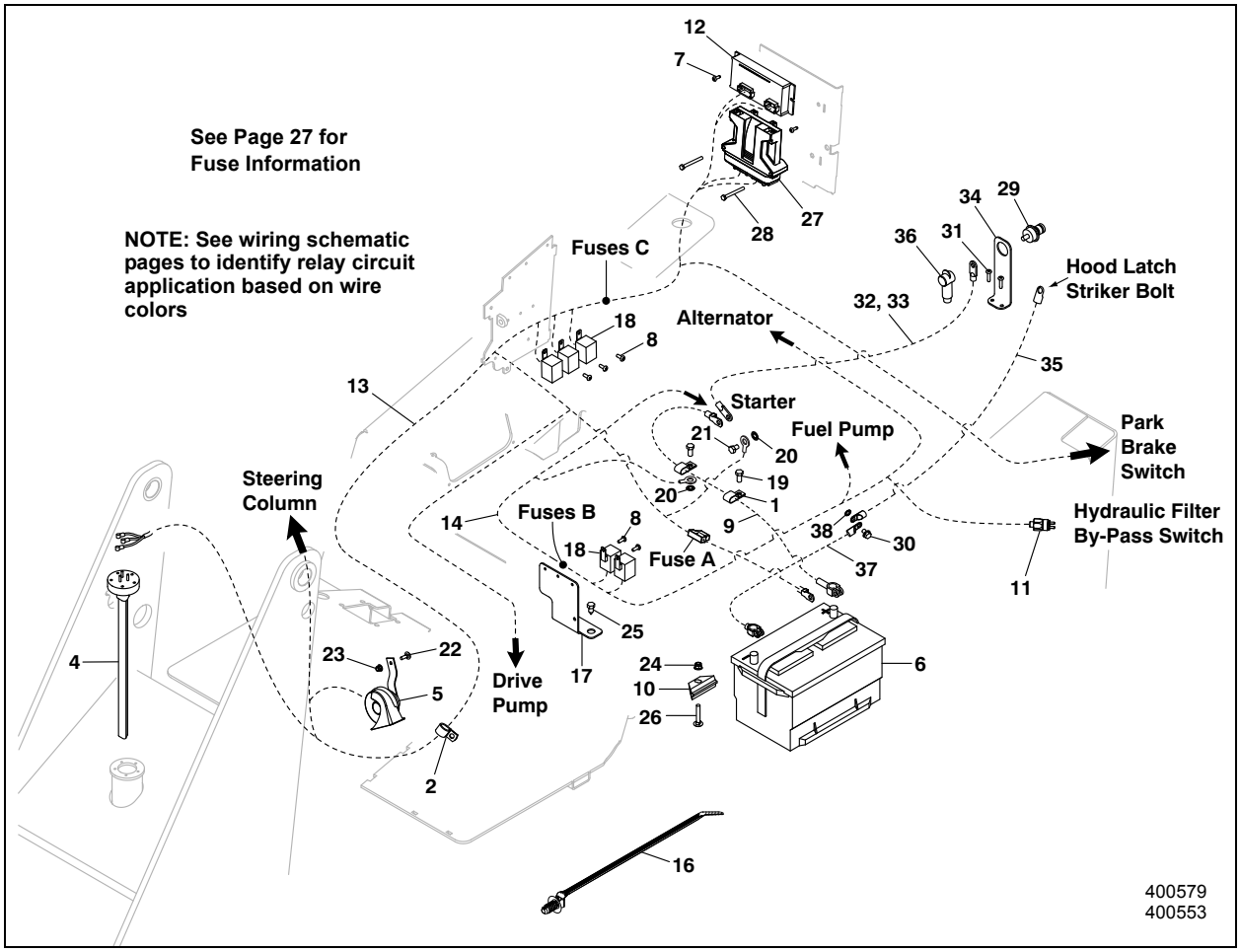
AL 540 - CHASSIS
COVERS



400387

Ref. No.	Part No.	Description	Qty.
1	656065	HJN M12-1.75 C4 ZY DIN439	1
2	175802	PLATE/ENGINE ACCESS	1
3	176455	LATCH/CLAW/DOUBLE	1
4	176459	BOLT/STRIKER	1
5	176681	SCREW/TPH TF TORX M6-1.00X16	1
6	176736	GASKET/HANDLE	1
7	176737	HOOD LATCH MOUNTING BRKT	1
8	176809	HANDLE/BUTTON/PUSH	1
9	176905	BULB SEAL	1
10	201011	WIRE ROPE ASSY	2
11	274348	BULB SEAL (90°)	1
12	201103	HINGE/UPPER	2
13	201107	PIN/HINGE	2
14	201226	BACKPLATE/HINGE	2
15	201238	PUSHNUT/WASHERCAP	4
16	274078	ASSY/HOOD FIBERGLASS (Includes Ref. Nos. 42 & 43)	1
17	270333	TUBE	2
18	271737	STRAP/RUBBER	1
19	271884	COVER/CONTROL MODULE	1
20	272259	1/4 TURN FASTENER	1
21	272274	BRKT/HOOD LATCH	1
22	272301	FW 5/16 SPECIAL	1
23	272848	WDMT/HYD TANK	1
24	274092	COVER/MUFFLER	1
25	651694	CS FL M6-1.00X25 C8.8 ZY DIN1662	2
26	651695	CS FL M8-1.25X25 C8.8 ZY DIN1662	6
27	651698	CS FL M10-1.50X35 C8.8 ZY DIN1662	8
28	651706	LN INST FL M8-1.25 C8 ZY DIN6926	6
29	651707	LN INST FL M10-1.50 C8 ZY DIN6926	18
30	651708	LN INST FL M12-1.75 C8 ZY DIN6926	2
31	651729	CB M12-1.75X35 C8.8 ZY DIN603	2
32	651742	CS FLH M12-1.75X45 C8.8ZY DN1665	2
33	651757	CS M6-1X55 C8.8 ZY DIN931	1
34	651770	LN INS M12-1.75 C8 ZY DIN985	2
35	651774	CS FL M6-1.00X35 C8.8 ZY DIN1662	3
36	654002	FW 1/4 AWZY	1
37	655006	CP EPSC 1/8X1 Z	1
38	656062	HJN M6-1 C4 ZY DIN439	1
39	656152	FW M14 ZY DIN125	1
40	L62721	FASTENER RETAINER	1
41	L62722	FASTENER RECEPTACLE	1
42	270812	SEAL/BULB	1
43	270813	SEAL/BULB	2
44	176643	SUPPORT/FENDER	2
45	176647	WDMT/FENDER BRKT	2
46	176651	CS FL M6-1.00X12 C8.8ZY SP DIN1662	16
47	176653	CS FLH M10-1.5X25 C8.8ZY SP DIN1665	8
48	176655	CS FLH M10-1.5X35 C8.8ZY SP DIN1665	2
49	201176	FENDER/REAR AL400 & AL500	2
50	176644	FENDER/FRONT	2
51	651699	CS FLH M12-1.75X25 C8.8 ZY DIN1665	4

AL 540 - CHASSIS
ELECTRICAL

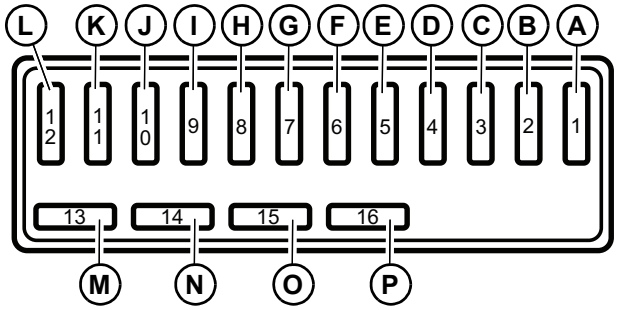


Ref. No.	Part No.	Description	Qty.
1	067880	CLAMP/HOSE .50 X .41 HOLE DOUBLE	2
2	075505	CLAMP/HOSE .81 X .41 HOLE	1
4	176380	SENDER/FUEL W/SWITCH	1
5	176497	HORN/12V	1
6		BATTERY/12 VOLT*	1
7	176680	SCREW/TPH TF TORX M5-0.8X16 CZY	2
8	176681	SCREW/TPH TF TORX M6-1.00X16 CZY	5
9	176828	CABLE/BATTERY POSITIVE	1
10	201000	HOLD/BATTERY	1
11	270411	SWITCH/PRESSURE	1
12	273074	MODULE/LOGIC AL300/500	1
13	273147	HARNESS/CHASSIS AL500	1
14	273148	HARNESS/ENGINE AL500	1
16	273369	TIE/TREE MOUNT	3
17	273626	BRACKET/RELAY	1
18	420-35602	RELAY	5
19	650488	CS 3/8X3/4 C5ZY	2
20	651087	LW INT T 3/8 AZY	2
21	651430	CS M8-1.25X12 C8.8 ZY DIN931	1

Ref. No.	Part No.	Description	Qty.
22	651690	CB M6-1.00X20 C8.8 ZY DIN603	1
23	651705	LN INST FL M6-1.00 C8 ZY DIN6926	1
24	651706	LN INST FL M8-1.25 C8 ZY DIN6926	1
25	651724	SCREW/THH TF M10-1.5X20 ZY DIN7500D	1
26	651733	CB M8-1.25X50 C8.8 ZY DIN603	1
27	270199	MODULE/CONTROL	1
28	656088	CS M6-1X60 C8.8 ZY DIN931	2
29	137425	TERMINAL/REMOTE RED (includes washer and nut - not shown)	1
30	176652	CS FLH M8-1.25X12 8.8ZY SP1665	1
31	176682	SCREW/TPH TF TORX M6-1.00X25 CZY	2
32	190758	CABLE/BAT/REMOTE TERM	1
33	190761	LOOM/BATTERY CABLE (NOT SHOWN, SLIPS OVER CABLE)	1
34	274296	BRACKET/REMOTE TERM	1
35	274354	CABLE/REMOTE GROUND	1
36	274410	BOOT/INSULATOR	1
37	274350	CABLE/BATTERY GROUND	1
38	651679	LW EXT T M8 AZY DIN6797	1

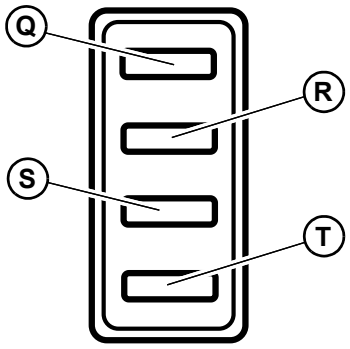
* Purchase locally; Group size 65; 850 CCA

Fuses Located on Steering Column



Fuse	Rated Current (Amp)	Protected Circuit (Fuse numbers above from schematic)	Ref. (See Below)
A	5	Instrument panel, forward and reverse relays	1
B	10	Joystick	3
C	5	Fuel pump, glow module, fuel solenoid hold	1
D	7.5	Horn, beacon	2
E	5	Work light switch, work light relays	1
F	10	Power-A-Tach™	3
G	5	Starter relay	1
H	10	Turn signals	3
I	20	Ignition switch	5
J	10	Rear work light	3
K	10	Front work light	3
L	7.5	12V accessory power outlet	2
M	10	High-beam headlights	3
N	10	Low-beam headlights	3
O	5	Position lights	1
P	10	Spare fuse	3

Cab Fuses (Inside Engine Compartment on the Right)



Fuse	Rated Current (Amp)	Protected Circuit	Ref. (See Below)
Q	5	Dome Light	1
R	7.5	Rear Wiper Motor	2
S	10	Front Wiper Motor	3
T	25	Heater	6

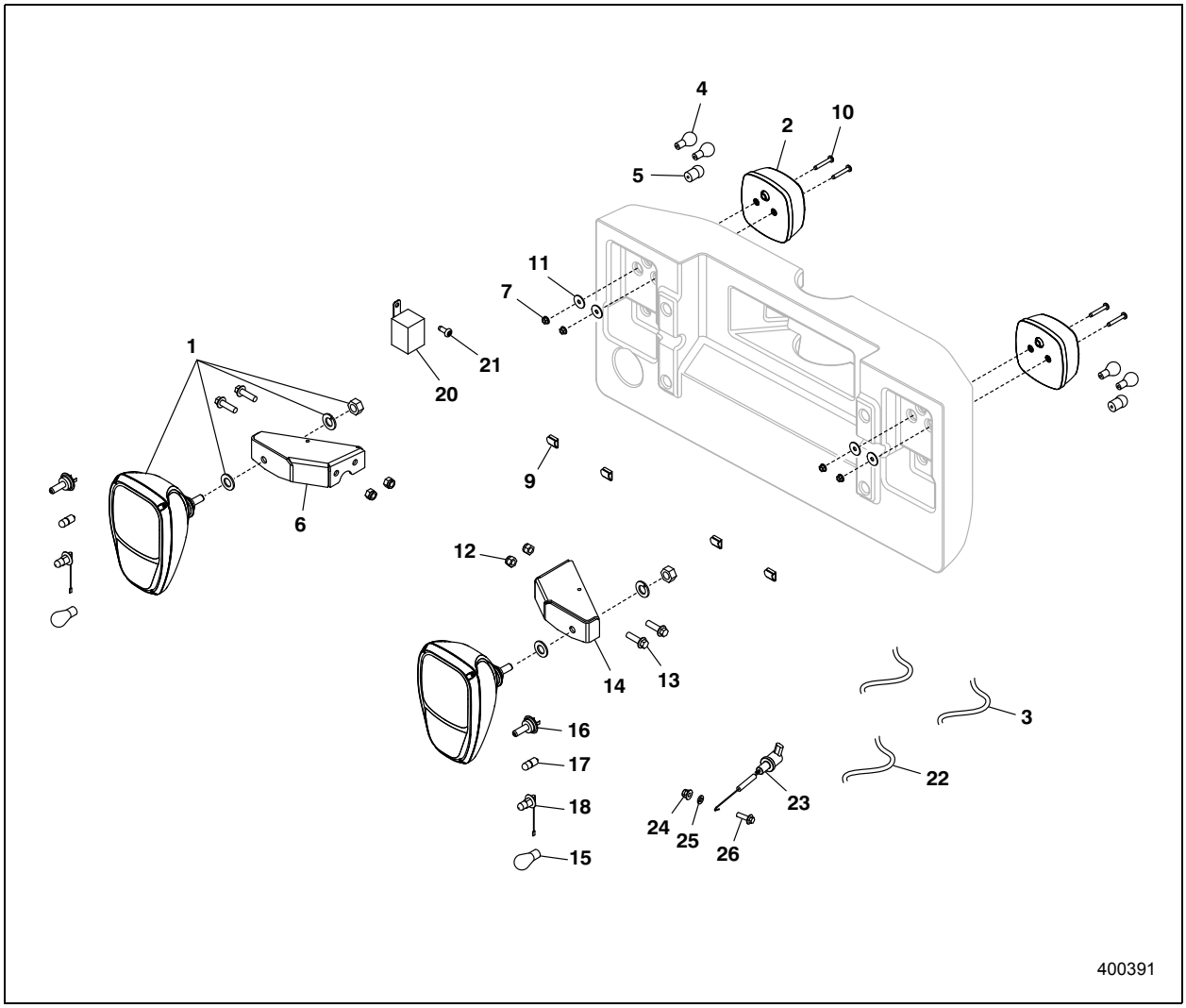
Inline Fuse Identification (Inside Engine Compartment, see Page 26)

Fuse Loc.	Rated Current (Amp)	Protected Circuit	Ref. (See Below)
A	60	System	9
B	30 40	Starter Glow Plug	7 8
C	15 25	Drive Motor Control Module	4 6

All Fuses

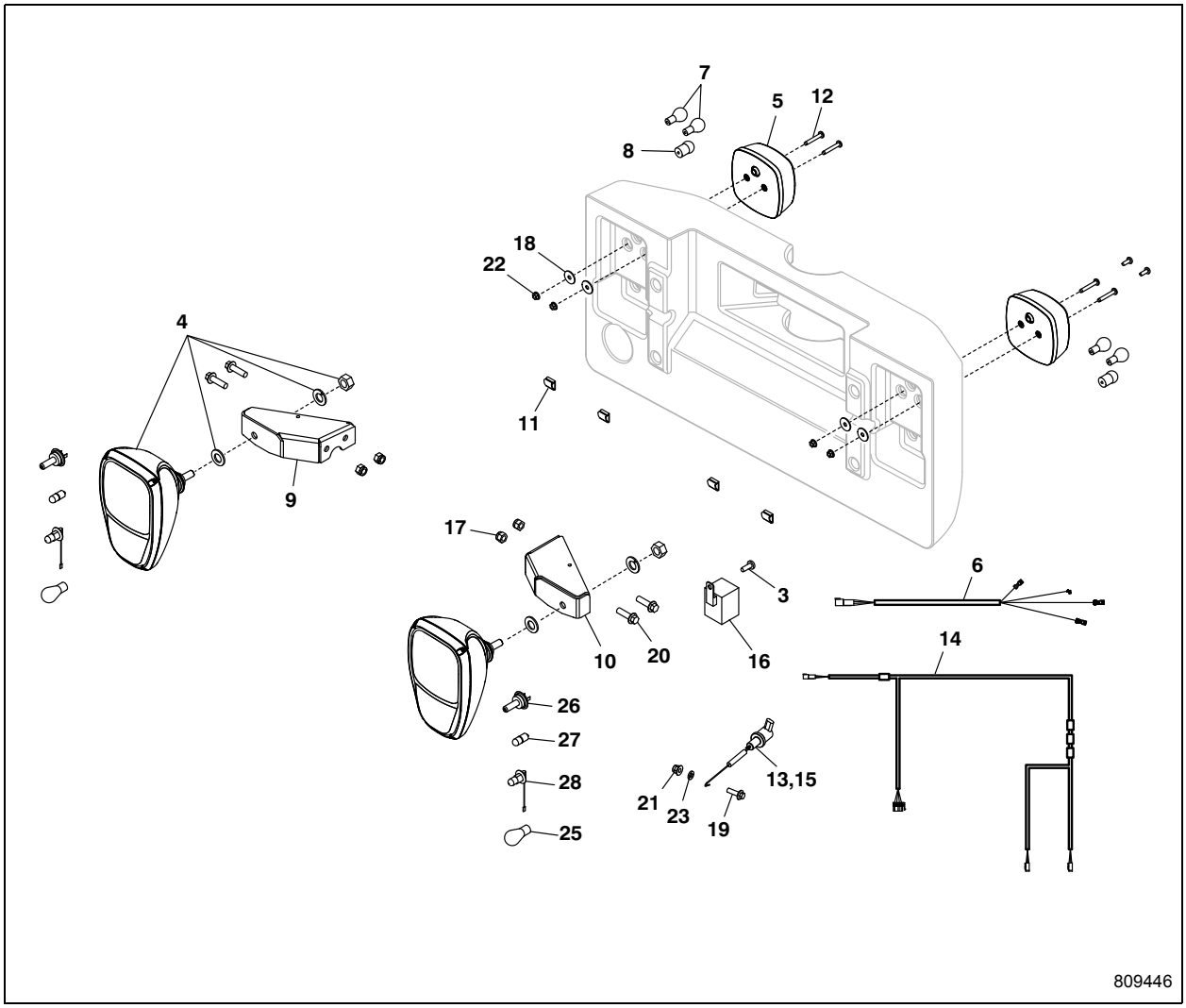
Ref. No.	Part No.	Description	Qty.
1	L70244	5 AMP ATC FUSE	A/R
2	271279	7.5 AMP ATC FUSE	A/R
3	L70245	10 AMP ATC FUSE	A/R
4	420-35578	15 AMP ATC FUSE	A/R
5	L70246	20 AMP ATC FUSE	A/R
6	271265	25 AMP ATC FUSE	A/R
7	191331	30 AMP MAXI FUSE	A/R
8	271281	40 AMP MAXI FUSE	A/R
9	L500225	60 AMP MAXI FUSE	A/R

AL 540 - CHASSIS
HEADLIGHTS/TAIL LIGHTS (OPTION)



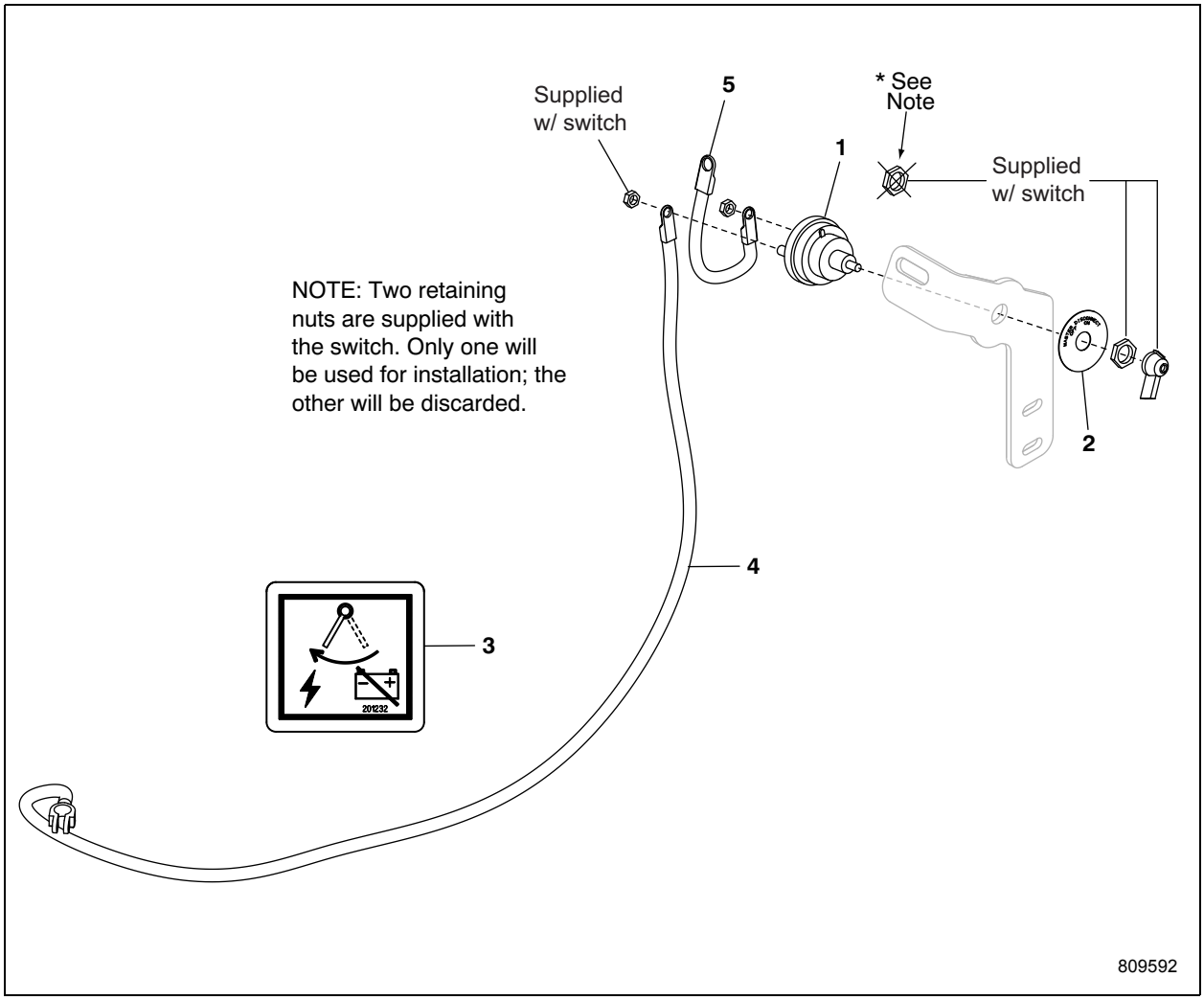
Ref. No.	Part No.	Description	Qty.
1	176911	HEADLIGHT (Includes hardware as shown)	2
2	201173	TAIL LIGHT (3 BULB)	2
3	201218	HARNESS/TAIL LIGHT	2
4	201227	BULB/S812V21W	4
5	201228	BULB/G612V10W	2
6	275106	BRKT/RT FRONT LIGHT	1
7	651722	HN FL M6-1.00 C8ZY DIN6923	4
9	270192	CLIP/SMALL WIRE	4
10	270547	SCREW/TPH TF TORX M6-1.00X40	4
11	651670	FW 1/4 BWZY	4
12	651448	LN INS M10-1.5 C8 ZY DIN6924	4
13	651698	CS FL M10-1.50X35 C8.8 ZY DIN1662	4
14	275105	BRKT/LT FRONT LIGHT	1
15	201229	PY21W12V AMBER BULB	2

Ref. No.	Part No.	Description	Qty.
16	201230	H755W12V HALOGEN BULB	2
17	201231	T4W12W INCANDESCENT LAMP	2
18	201233	H355W12V HALOGEN BULB	2
20	420-35602	RELAY	1
21	176681	SCREW/TPH TF TORX M6-1.00X16 CZY	1
22	271546	HARNESS/TAIL LIGHT	1
23	204411	KIT/BRAKE LIGHT SWITCH (includes item 27)	1
24	651705	LN INST FL M6-1.00 C8 ZY DIN6926	1
25	656179	FW M6 ZY DIN125	1
26	651693	CS FL M6-1.00X20 C8.8 ZY DIN1662	1
27	274135	DEUTSCH M 2-PIN (not shown)	



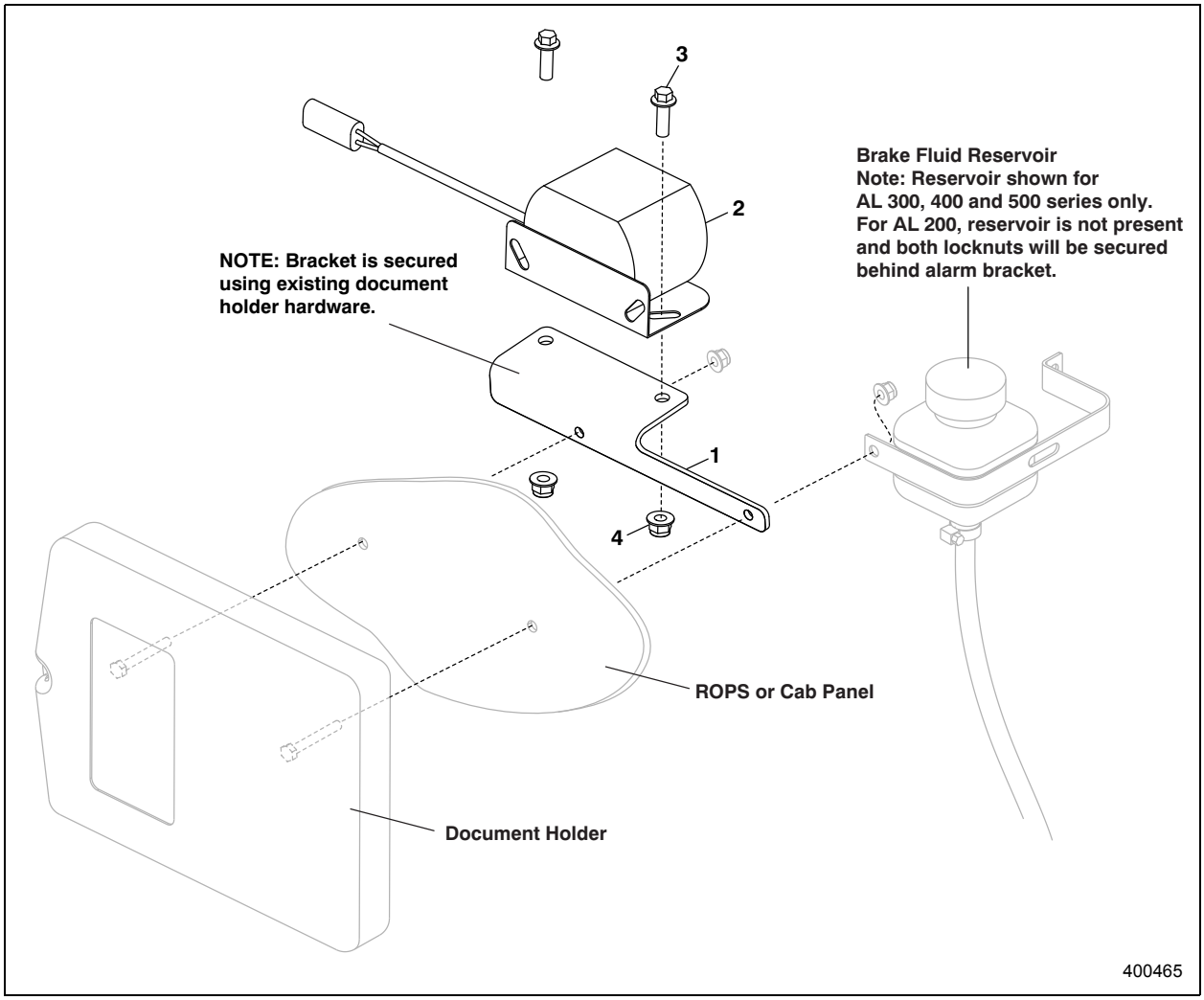
Ref. No.	Part No.	Description	Qty.
0	809446	FIELD KIT/N. AMER. ROAD LIGHTS (includes Ref. Nos. 3-29)	1
3	176681	SCREW/TPH TF TORX M6-1.00X16 CZT	1
4	176911	HEADLIGHT (includes hardware)	2
5	201173	TAIL LIGHT (3 BULB)	2
6	201218	HARNESS/TAIL LIGHT (short)	2
7	201227	BULB/S812V21W	4
8	201228	BULB/G612V10W	2
9	275106	BRKT/RT FRT LIGHT	1
10	275105	BRKT/LT FRT LIGHT	1
11	270192	CLIP/SMALL WIRE (self adhesive)	4
12	270547	SCREW/TPH TF TORX M6-1.00X40 CZY	4
13	204411	KIT/BRAKE LIGHT SWITCH (includes Ref. No. 15)	1
14	271546	HARNESS/TAIL LIGHT (long)	1

Ref. No.	Part No.	Description	Qty.
15	274135	DEUTSCH M 2-PIN (supplied with Ref. No. 13)	1
16	420-35602	RELAY)	1
17	651448	LN INS M10-1.5 C8 ZY DIN6924	4
18	651670	FW 1/4 BWZY	4
19	651693	CS FL M6-1.00X20 C8.8 ZY DIN1662	1
20	651698	CS FL M10-1.50X35 C8.8 ZY DIN1662	4
21	651705	LN INST FL M6-1.00 C8 ZY DIN6926	1
22	651722	HN FL M6-1.00 C8ZY DIN6923	4
23	656179	FW M6 ZY DIN125	1
25	201229	PY21W12V AMBER BULB	2
26	201230	H755W12V HALOGEN BULB	2
27	201231	T4W12W INCANDESCENT LAMP	2
28	201233	H355W12V HALOGEN BULB	2
29	055648	TIE STRAP (not shown)	6



Ref. No.	Part No.	Description	Qty.
1	091666	SWITCH, DISCONNECT (includes hardware and knob)	1
2	091667	PLATE, FACE	1
3	201232	DECAL/BAT DISCONNECT	1

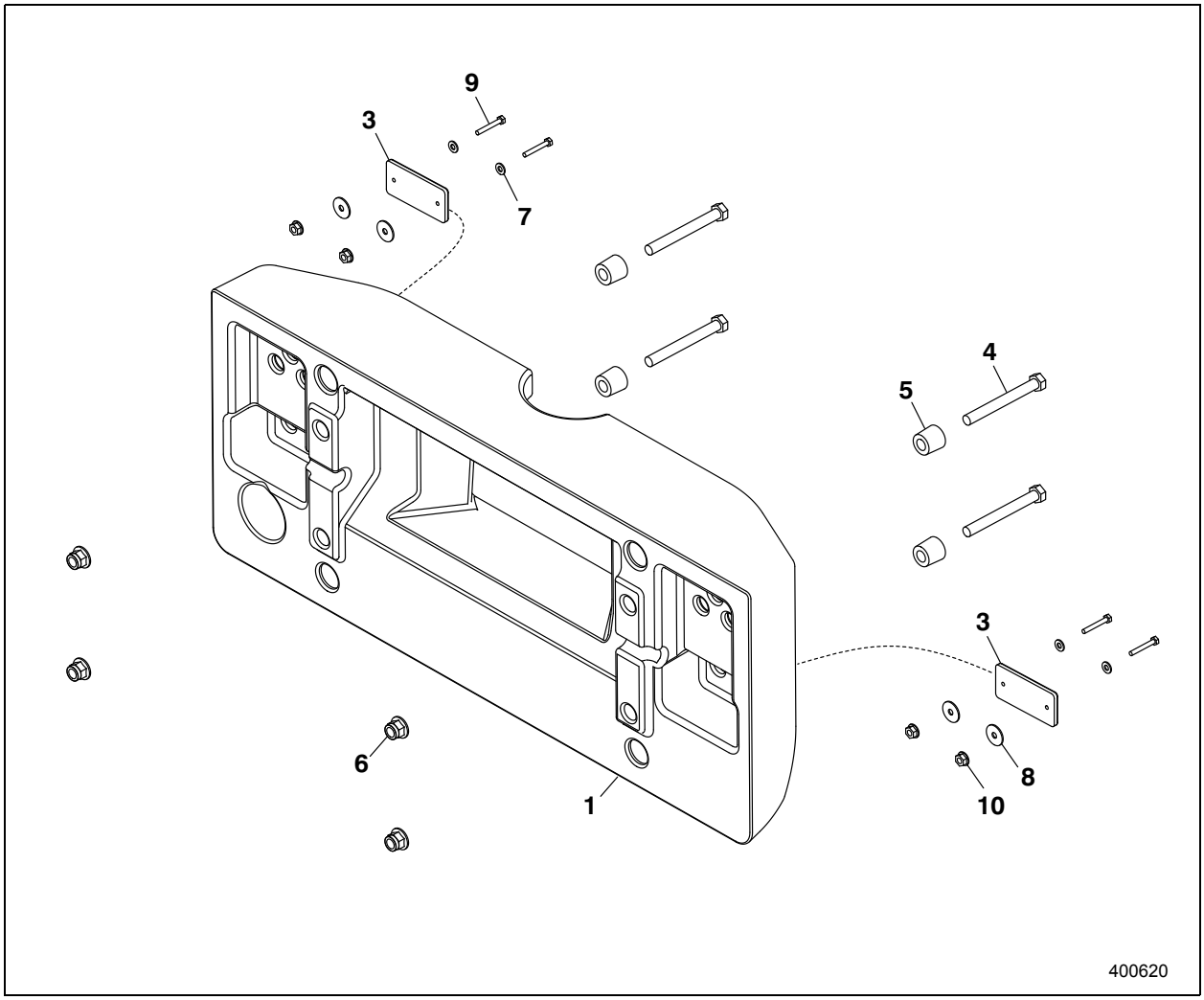
Ref. No.	Part No.	Description	Qty.
4	272379	CABLE/BATTERY GROUND	1
5	274408	CABLE/GROUND	1



Ref. No.	Part No.	Description	Qty.
1	176636	BRACKET/BACKUP ALARM	1
2	271213	ALARM/SMART BACKUP	1

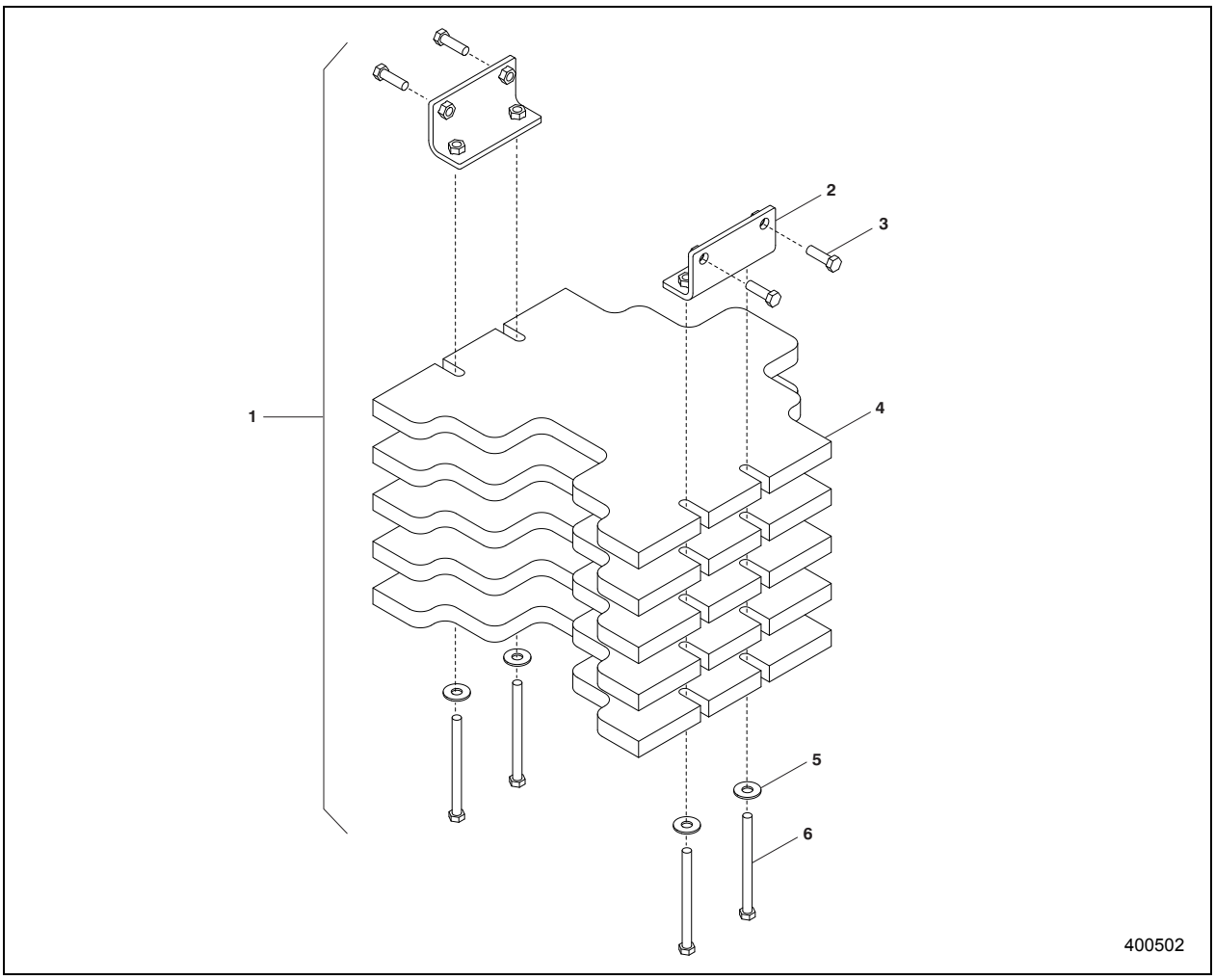
Ref. No.	Part No.	Description	Qty.
3	651695	CS FL M8-1.25X25 C8.8 ZY DIN1662	2
4	651706	LN INST FL M8-1.25 C8 ZY DIN6926	2

AL 540 - CHASSIS
COUNTERWEIGHT



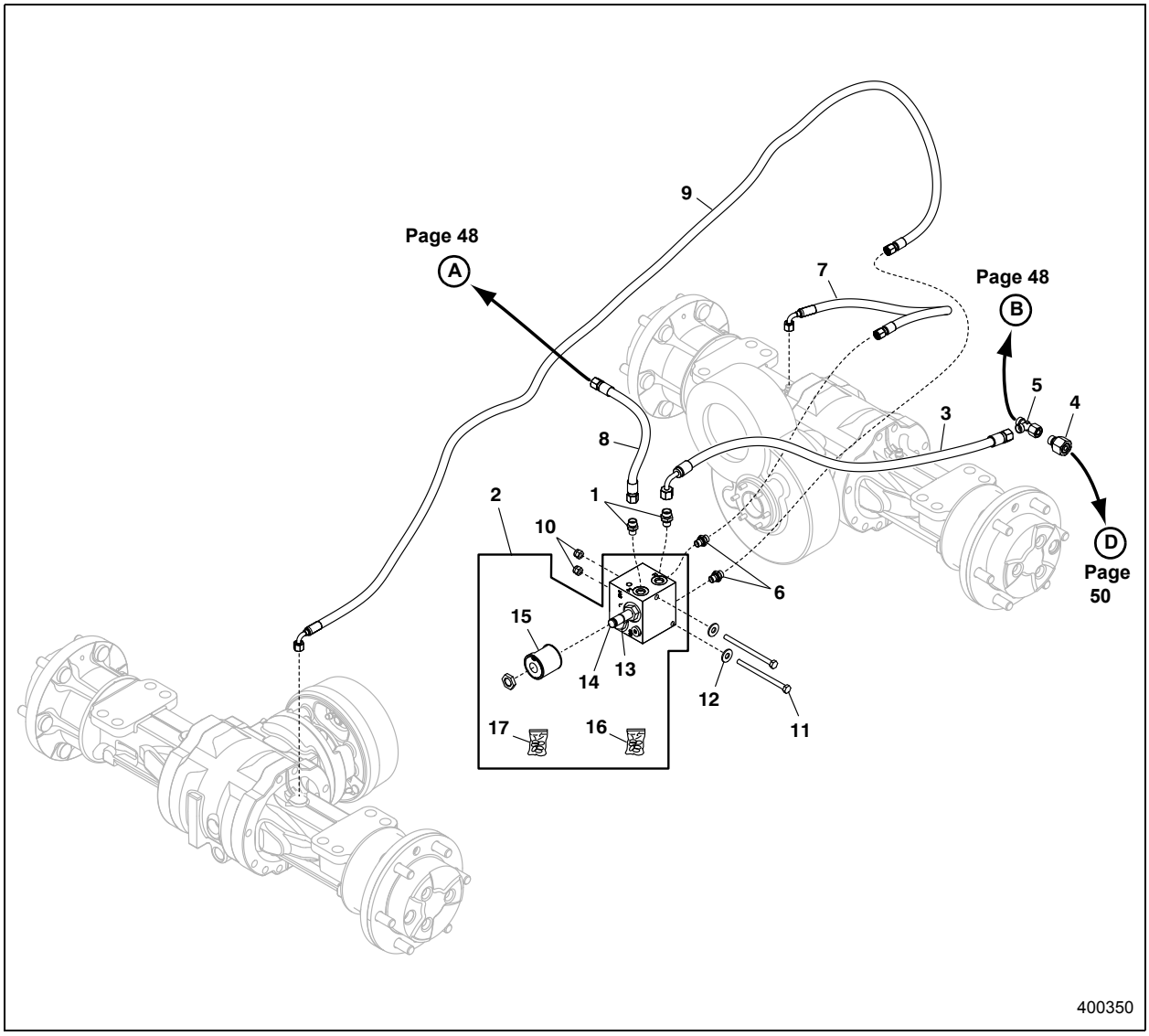
Ref. No.	Part No.	Description	Qty.
1	273462	COUNTERWEIGHT	1
3	176711	REFLECTOR - RED	2
4	656023	CS M12-1.75X110 C8.8 ZY DIN931	4
5	176877	TAPERED PLUG	4
6	651708	LN INST FL M12-1.75 C8 ZY DIN6926	4

Ref. No.	Part No.	Description	Qty.
7	651714	FW M4 ZY DIN125	4
8	651670	FW 1/4 BWZY	4
9	651692	CS M4-0.7X30 C8.8 ZY DIN931	4
10	651704	LN INST M4-0.7 C8 ZY DIN6924	4



Ref. No.	Part No.	Description	Qty.
1	809441	COUNTERWEIGHT KIT	1
2	272776	WDMT/COUNTERWEIGHT	2
3	656018	CS M12-1.75X40 C8.8 ZY DIN931	4
4	272777	PLATE/COUNTERWEIGHT	5

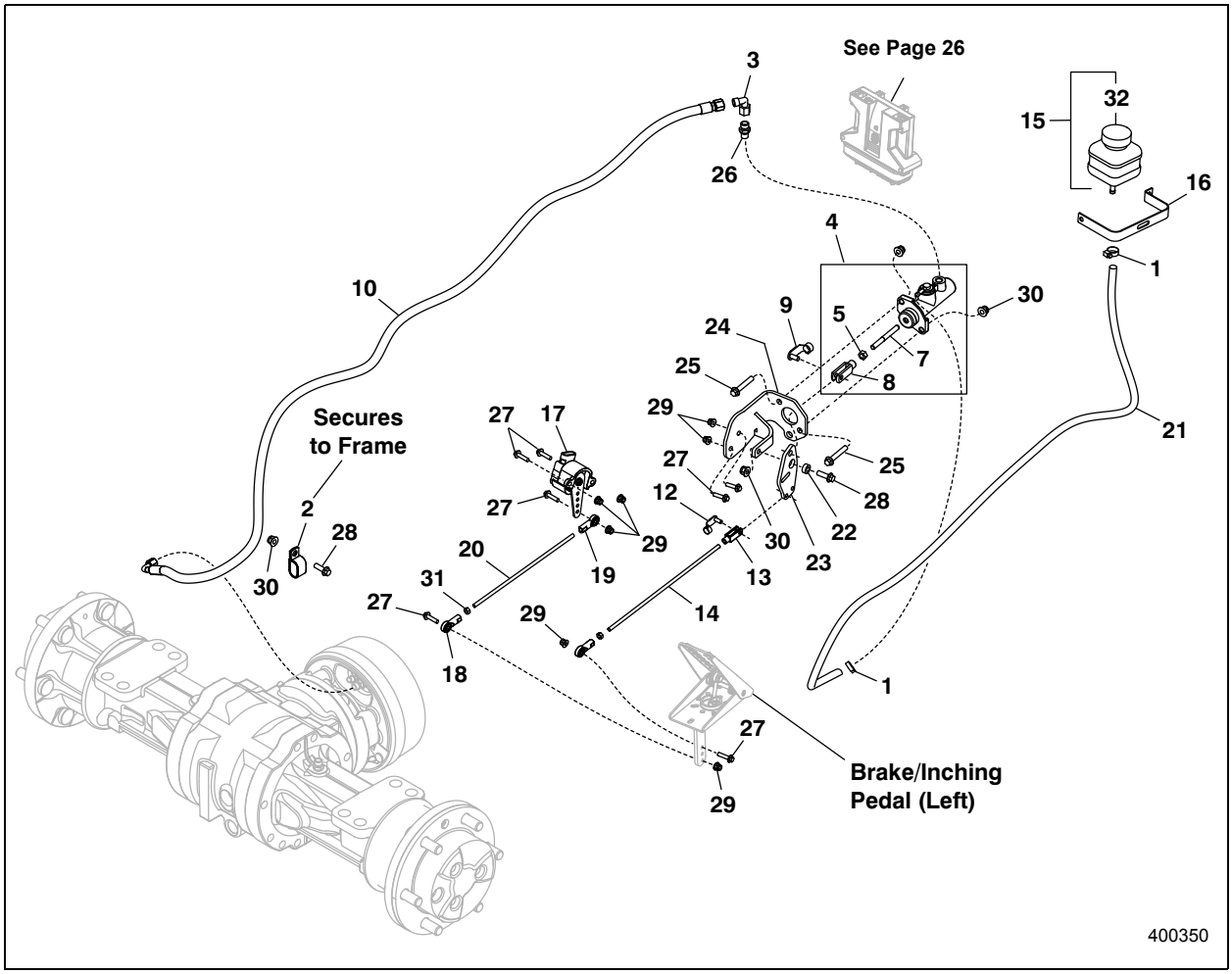
Ref. No.	Part No.	Description	Qty.
5	654009	FW 1/2 AWZY	4
6	651522	CS M12-1.75X150 C8.8 ZY DIN931	4



Ref. No.	Part No.	Description	Qty.
1	176530	STM M24C10 MBSPP14 **	2
2	176716	VALVE/DIFF LOCK	1
3	176750	HOSE/MP 5 X 1067MM *	1
4	176778	STM SV RD F24C15 M24C10 **	1
5	176779	TEM SV RN F24C10 M24C10 **	1
6	176883	STM M24C08 MBSPP14 **	2
7	201130	HOSE/MP 4 X 559MM *	1
8	271705	HOSE/MP 5 X 394MM *	1
9	270300	HOSE/MP 4 X 2616MM *	1
10	651457	LN INS M6-1 C8 ZY DIN6924	2

Ref. No.	Part No.	Description	Qty.
11	651730	CS M6-1.00X90 C8.8 ZY DIN931	2
12	654004	FW 5/16 AWZY	2
13	203788	CHECK VALVE	1
14	203789	SOLENOID/3-WAY SPOOL	1
15	203790	COIL/12 VDC	1
16	203791	SEAL KIT/CHECK VALVE	1
17	203792	SEAL KIT/SOLENOID	1

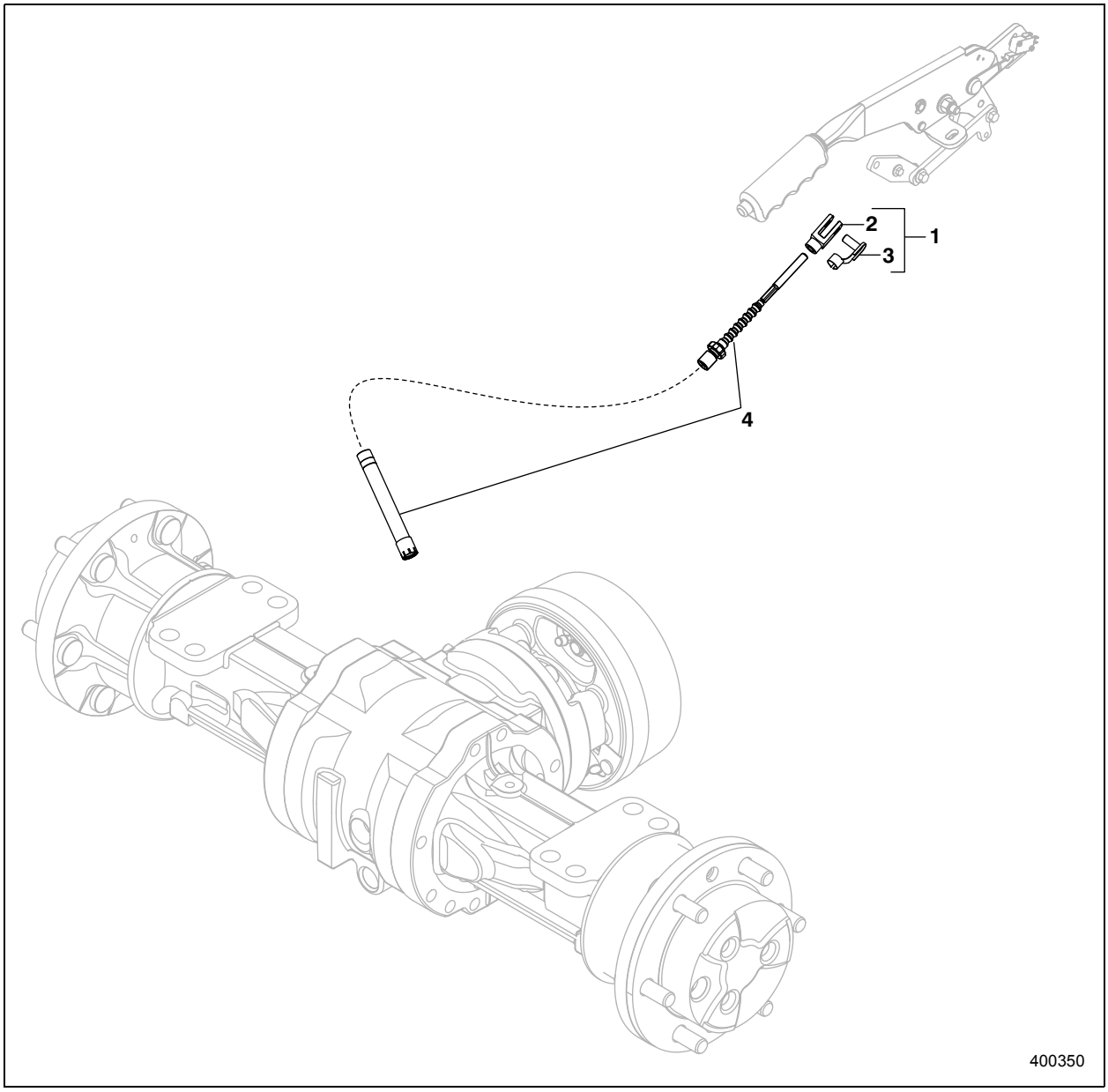
*** See Page 96 for hose/o-ring information.**
**** See Page 95 for o-ring/seal/description information.**



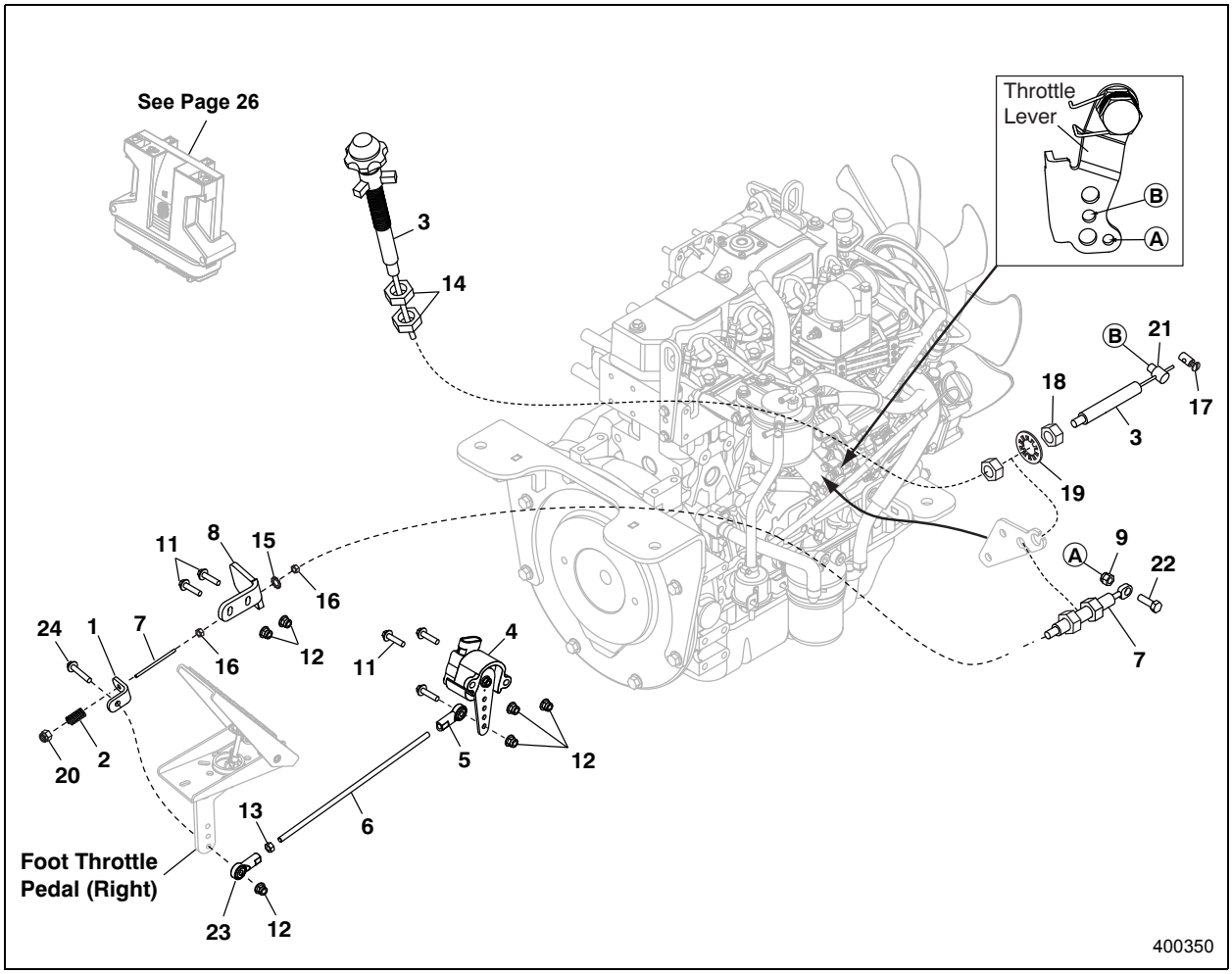
Ref. No.	Part No.	Description	Qty.
1	062023	CLAMP/HOSE #M5 1800	2
2	097860	CLAMP/HOSE DOUBLE	1
3	176508	90M SV F24C08 M24C08 **	1
4	176913	ASSY/VALVE/BRAKE (Includes brake valve and Ref. Nos. 5, 7, 8)	1
5	656048	HN M8-1.25 C8 ZY DIN934	1
7	201184	ROD/PUSH	1
8	201186	CLEVIS	1
9	270870	PIN/SPRING	1
10	271464	HOSE/MP 4 X 1854MM *	1
12	201249	PIN/CLEVIS SPRING	1
13	201259	CLEVIS/6MM LH	1
14	201278	LINKAGE/ROD 6MM	1
15	270211	RESERVOIR ASSY (Includes Ref. No. 32)	1
16	270219	CLAMP	1
17	270240	SENSOR/PEDAL	1
18	270251	SPHERICAL ROD END/6MM	2
19	270252	SPHERICAL ROD END/6MM LH	1
20	270253	LINKAGE ROD/6MM	1
21	271304	HOSE/BRAKE RESERVOIR	1
22	271611	BUSHING	1
23	272718	PIVOT ARM	1
24	272023	WDMT/BRAKE VALVE	1
25	651624	CS FL M8-1.25X50 C8.8 ZY DIN1662	2
26	176529	STM M24C08 MMPT12 **	1
27	651694	CS FL M6-1.00X25 C8.8 ZY DIN1662	7
28	651695	CS FL M8-1.25X25 C8.8 ZY DIN1662	2
29	651705	LN INST FL M6-1.00 C8 ZY DIN6926	7
30	651706	LN INST FL M8-1.25 C8 ZY DIN6926	4
31	656047	HN M6-1 C8 ZY DIN934	2
32	202644	CAP/RESERVOIR	1

*** See Page 96 for hose/o-ring information.**

**** See Page 95 for o-ring/seal/description information.**

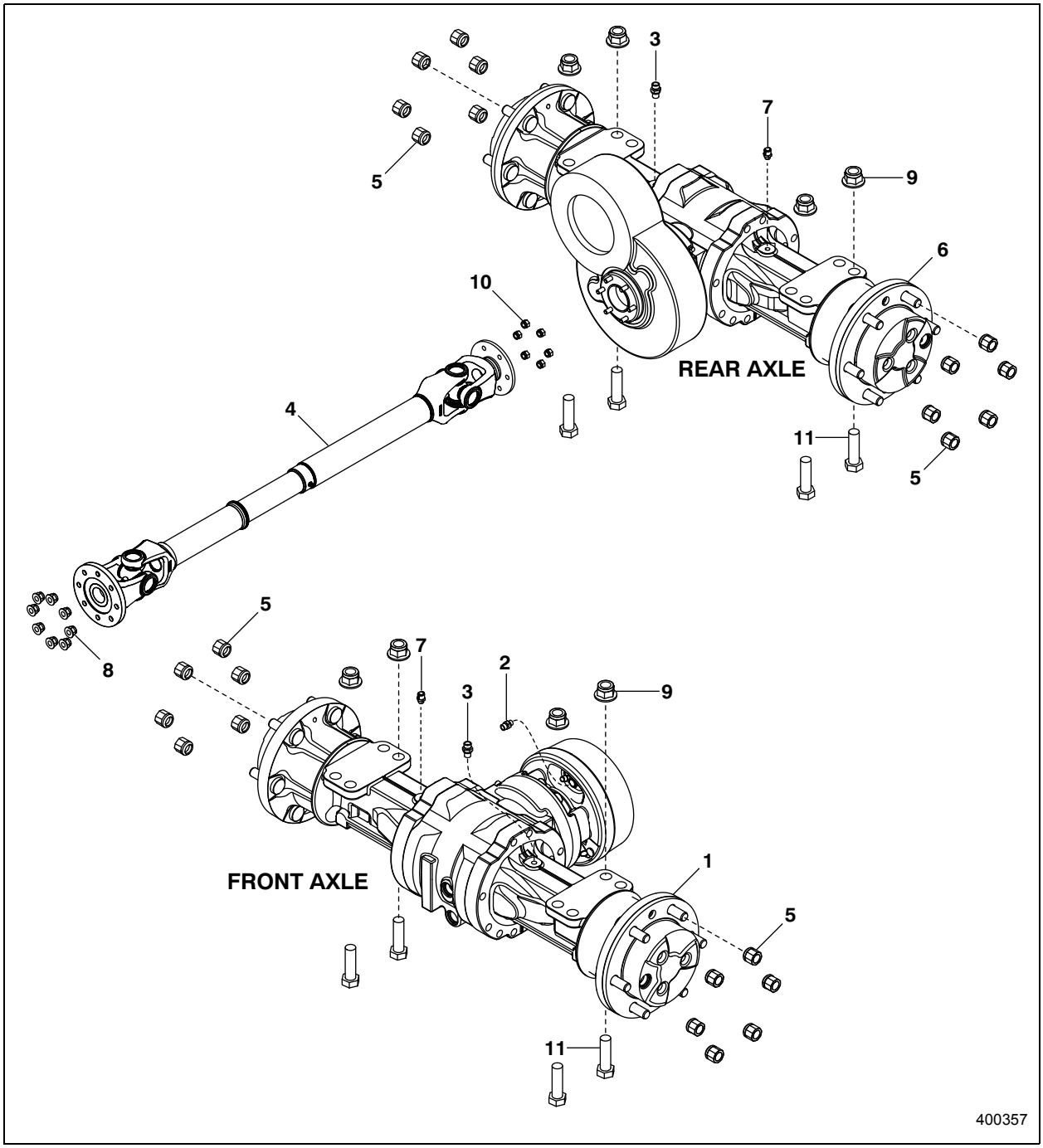


Ref. No.	Part No.	Description	Qty.
1	134880	CLEVIS/M8	1
2	270155	CLEVIS	1
3	270154	PIN/CLEVIS SPRING	1
4	270177	CABLE/BRAKE/PARK	1



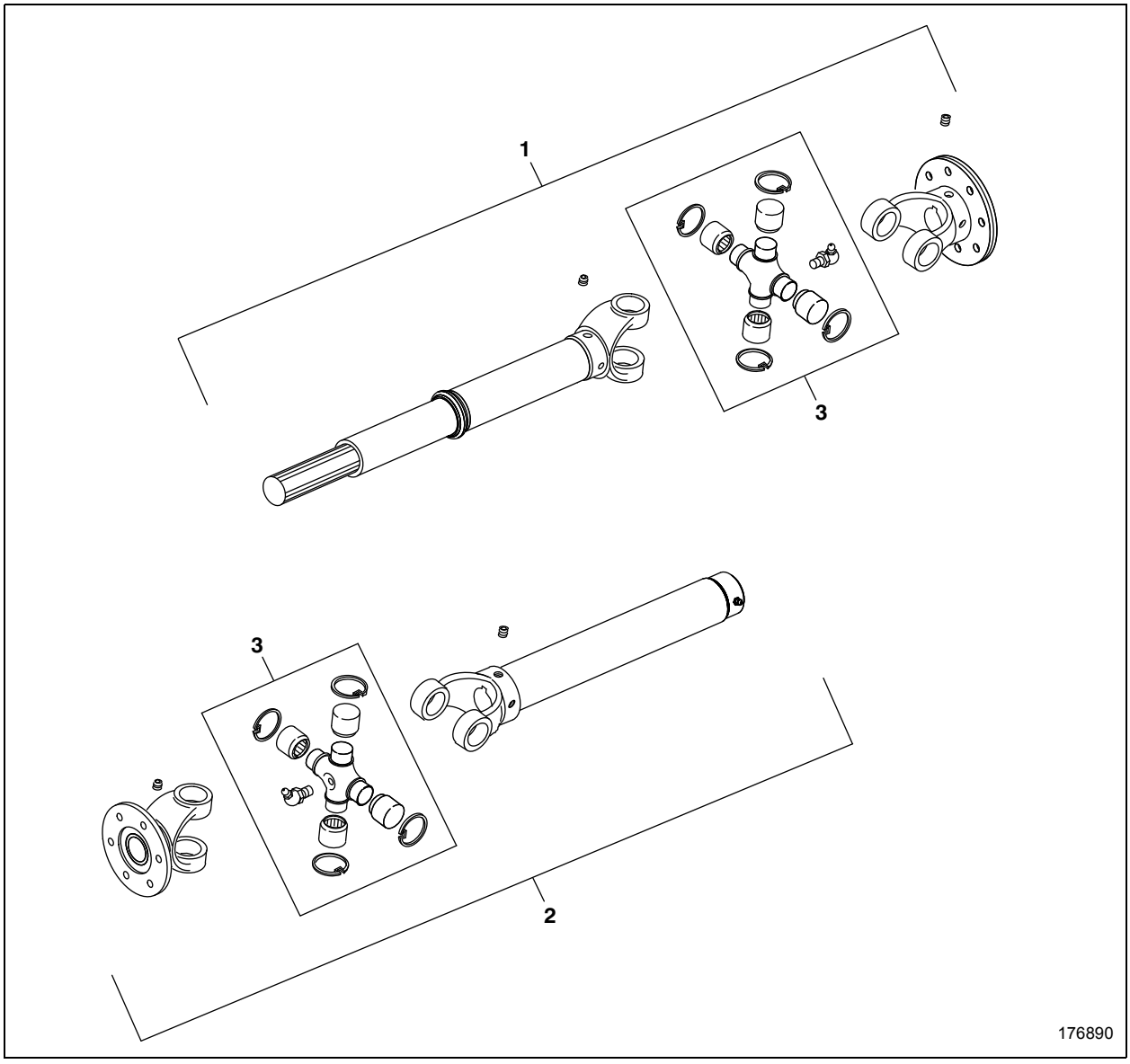
Ref. No.	Part No.	Description	Qty.
1	272374	BRACKET/CABLE	1
2	270106	SPRING/COMPRESSION	1
3	270123	THROTTLE/HAND	1
4	270240	SENSOR/PEDAL	1
5	270252	SPHERICAL ROD END/6MM LH	1
6	270254	LINKAGE ROD/6MM	1
7	270349	CABLE/THROTTLE	1
8	270412	BRKT/THROTTLE	1
9	651456	LN INS M5-0.8 C8 ZY DIN6924	1
11	651694	CS FL M6-1.00X25 C8.8 ZY DIN1662	5
12	651705	LN INST FL M6-1.00 C8 ZY DIN6926	6
13	656047	HN M6-1 C8 ZY DIN934	1

Ref. No.	Part No.	Description	Qty.
14	653053	HJN 3/4 F2ZY	2
15	651679	LW EXT T M8 AZY	1
16	656063	HJN M8-1.25 C4 ZY DIN439	2
17	270166	FITTING	1
18	653039	HJN 3/8 F2ZY	2
19	654045	LW INT T 3/4 AZY	1
20	270746	LOCKNUT/INSERT 10-32	1
21	203802	FITTING	1
22	651521	CS M5-0.8X16 C8.8 ZY DIN931	1
23	270251	SPHERICAL ROD END/6MM	1
24	651774	CS FL M6-1.00X35 C8.8 ZY DIN1662	1

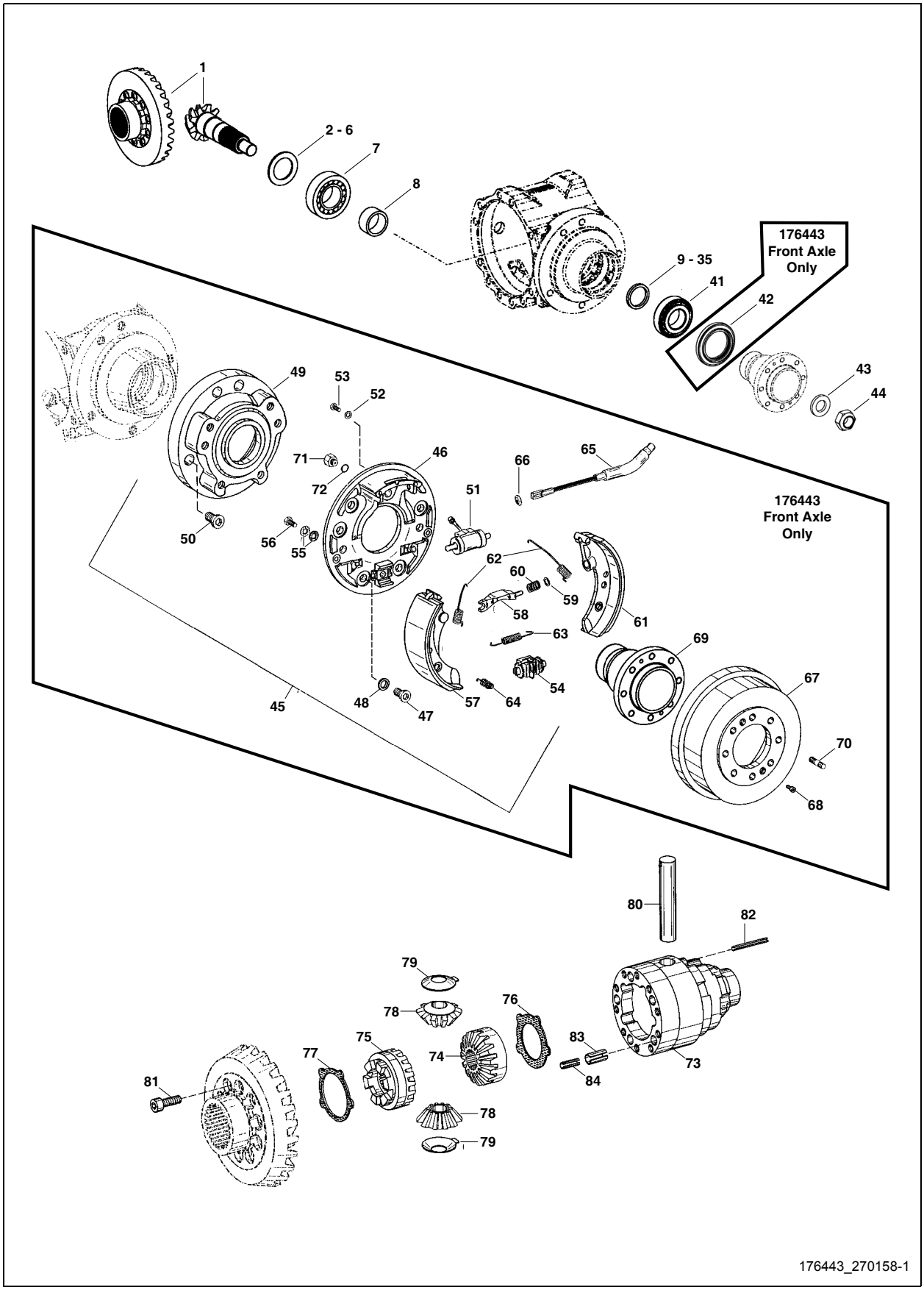


Ref. No.	Part No.	Description	Qty.
1	176443	AXLE/FRONT	1
2	176528	STM M24C06 MMPT10	1
3	176529	STM M24C08 MMPT12	2
4	176890	SHAFT/DRIVE 35E	1
5	201097	NUT/LUG/M18X1.5	24
6	270158	AXLE/REAR	1

Ref. No.	Part No.	Description	Qty.
7	270410	BREATHER/AXLE	2
8	651707	LN INST FL M10-1.50 C8 ZY DIN6926	8
9	651717	LN INST FL M20-2.50 C8ZY DIN6926	8
10	651747	LN INS M8-1.00 F8 ZY DIN985	6
11	656040	CS M20-2.5X70 C8.8 ZY DIN931	8



Ref. No.	Part No.	Description	Qty.
1	270824	JOINT & SHAFT ASSY	1
2	270825	JOINT & TUBE ASSY	1
3	270650	KIT/35E CROSS & BEARING	2


1
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176443
Front Axle
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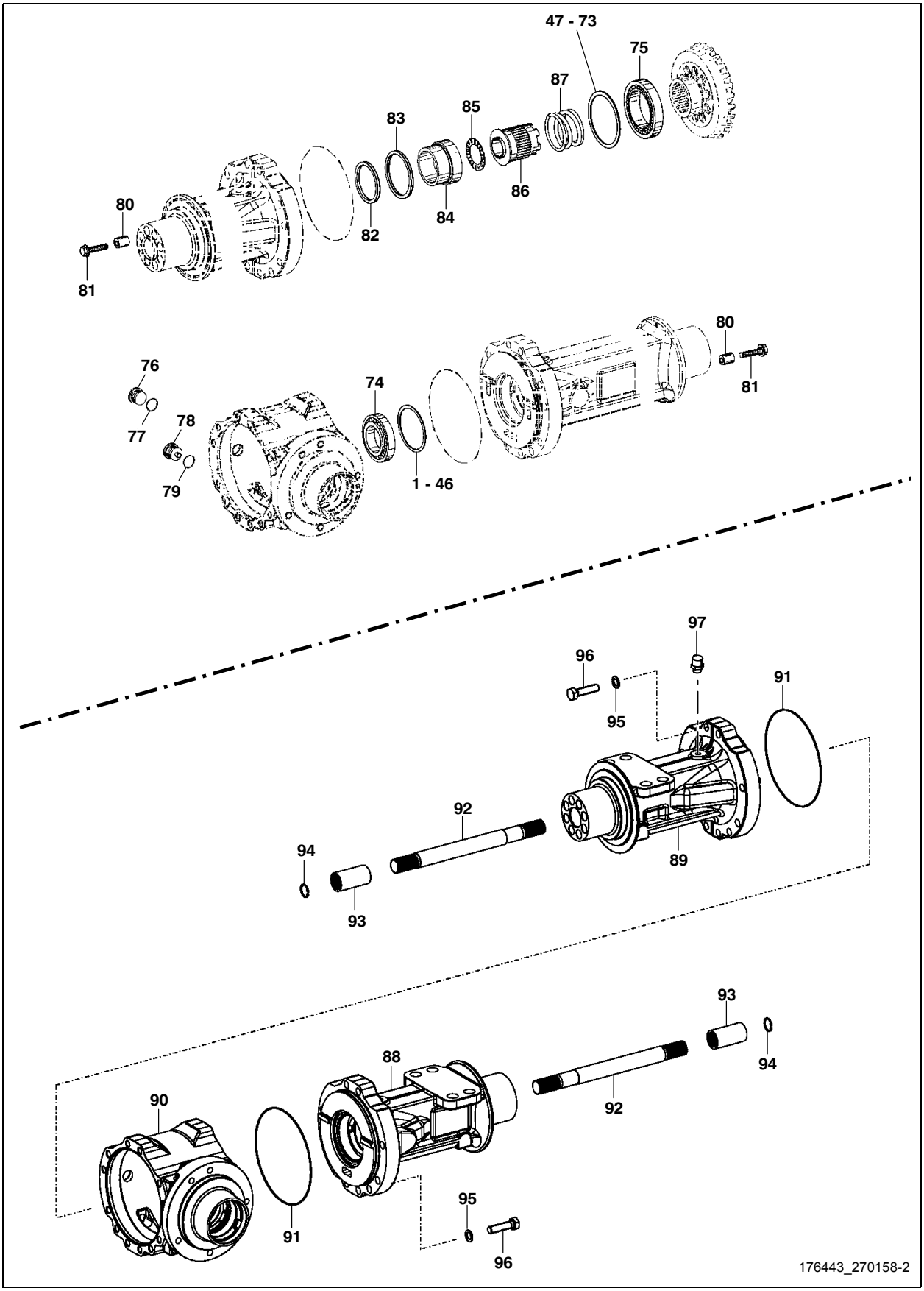
176443_270158-1

Ref. No.	Part No.	Description	Qty.
1	203767	BEVEL GEAR SET (REAR)	1
	203766	BEVEL GEAR SET (FRONT)	1
2	203708	WASHER (3.3 MM)	1
3	203709	WASHER (3.4 MM)	1
4	203710	WASHER (3.5 MM)	1
5	203711	WASHER (3.6 MM)	1
6	203712	WASHER (3.7 MM)	1
7	203751	ROLLER BEARING	1
8	203741	BUSHING	1
9	203719	RING (5.55 MM)	1
10	203720	RING (5.60 MM)	1
11	203721	RING (5.62 MM)	1
12	203722	RING (5.70 MM)	1
13	203723	RING (5.75 MM)	1
14	203724	RING (5.80 MM)	1
15	203725	RING (5.85 MM)	1
16	203726	RING (5.90 MM)	1
17	203727	RING (5.95 MM)	1
18	203728	RING (6.10 MM)	1
19	203729	RING (6.15 MM)	1
20	203730	RING (6.20 MM)	1
21	203731	RING (6.25 MM)	1
22	203732	RING (6.30 MM)	1
23	203733	RING (6.35 MM)	1
24	203734	RING (6.40 MM)	1
25	203735	RING (6.45 MM)	1
26	203736	RING (6.50 MM)	1
27	203737	RING (6.55 MM)	1
28	203738	RING (6.60 MM)	1
29	203739	RING (6.65 MM)	1
30	203740	RING (6.70 MM)	1
31	203703	RING (5.98 MM)	1
32	203704	RING (6.00 MM)	1
33	203705	RING (6.02 MM)	1
34	203706	RING (6.04 MM)	1
35	203707	RING (6.07 MM)	1
41	203753	ROLLER BEARING	1
42	203746	SHAFT SEAL	1
43	203713	WASHER	1
44	203626	HEXAGON NUT, M24X2 DI	1
45	203579	BRAKE	1
46	203581	ANCHOR PLATE	1
47	203618	CAP SCREW, M12X35 IS	6
48	203598	WASHER	6
49	203596	ANCHOR PLATE	1
50	203617	CAP SCREW, M14X45 IS	6
51	203582	WHEEL CYLINDER	1
52	203599	SPRING WASHER	2
53	203612	HEXAGON SCREW, M10X30 DI	2
54	203583	RESET	1
55	203591	LOCKING WASHER	2
56	203613	HEXAGON SCREW	1
57	203580	BRAKE SHOE	1
58	203588	TAPPET	1
59	203597	WASHER	1
60	203587	COMPRESSION SPRING	1
61	203584	BRAKE SHOE	1
62	203589	TENSION SPRING	2
63	203590	TENSION SPRING	1
64	203592	COMPRESSION SPRING	2
65	203593	CABLE CONTROL	1
66	203585	SPRING WASHER	1
67	203765	BRAKE DRUM	1
68	203615	CAP SCREW, M6X18 IS	2
69	203776	INPUT FLANGE	1
70	203625	STUD	8
71	203627	SCREW NECK	1
72	203610	SEALING RING	1
73	203762	DIFFERENTIAL CASE	1
74	203763	AXLE BEVEL GEAR	1
75	203764	AXLE BEVEL GEAR	1
76	203701	THRUST WASHER	1
77	203702	THRUST WASHER	1
78	203785	BEVEL GEAR	2
79	203700	THRUST WASHER	2
80	203784	AXLE	1
81	203620	CAP SCREW	10
82	203604	PIN	1
83	203603	PIN	5
84	203605	PIN	5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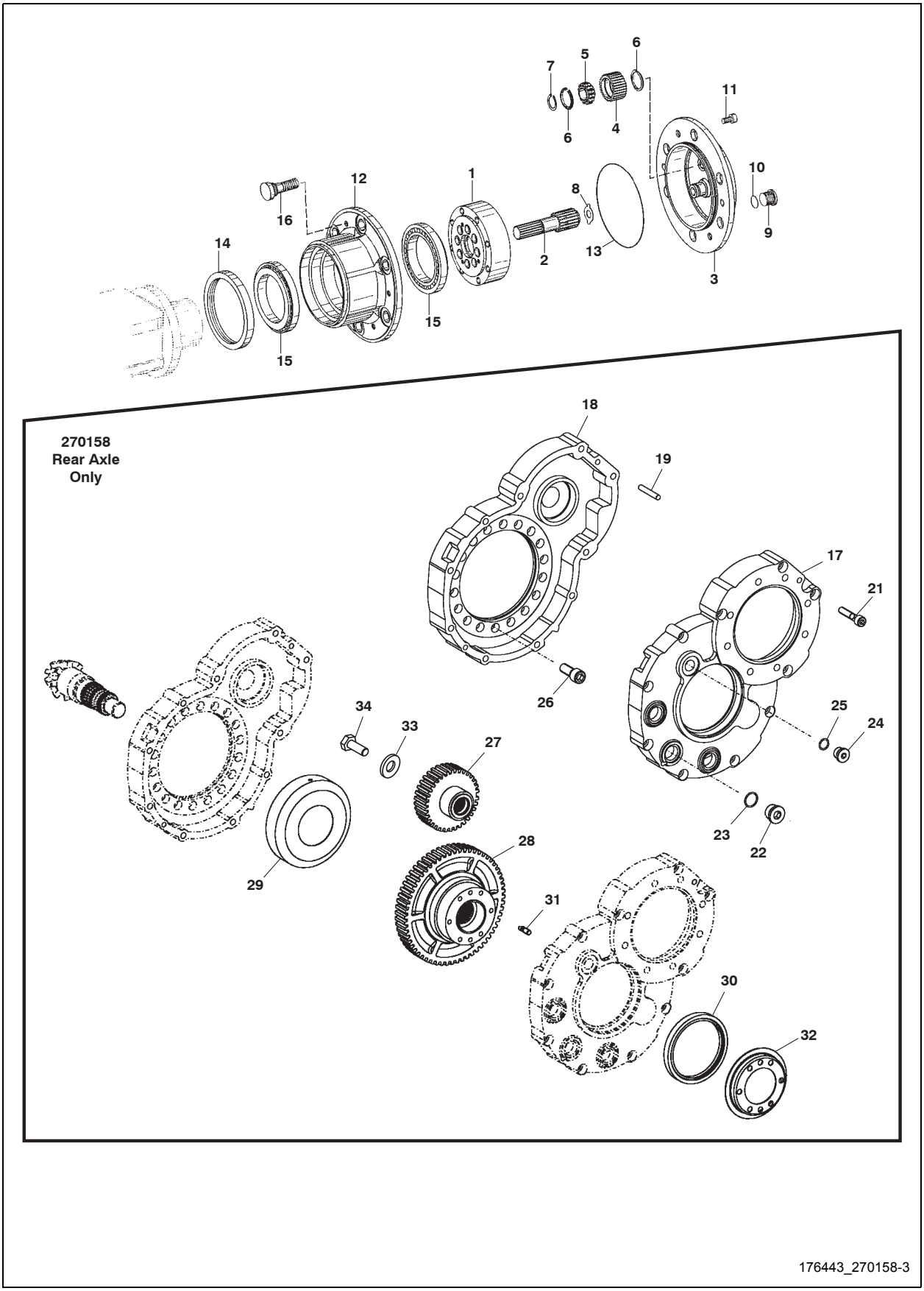
Ref. No.	Part No.	Description	Qty.
1	203631	SHIM (2.0 MM)	1
2	203679	SHIM (1.95 MM)	1
3	203678	SHIM (1.90 MM)	1
4	203652	SHIM (1.85 MM)	1
5	203677	SHIM (1.80 MM)	1
6	203651	SHIM (1.75 MM)	1
8	203671	SHIM (1.65 MM)	1
9	203670	SHIM (1.60 MM)	1
10	203669	SHIM (1.55 MM)	1
11	203668	SHIM (1.50 MM)	1
12	203667	SHIM (1.45 MM)	1
13	203632	SHIM (1.40 MM)	1
14	203635	SHIM (1.20 MM)	1
15	203628	SHIM (1.00 MM)	1
17	203633	SHIM (0.60 MM)	1
19	203634	SHIM (0.40 MM)	1
20	203636	SHIM (0.30 MM)	1
21	203629	SHIM (0.20 MM)	1
22	203630	SHIM (0.10 MM)	1
23	203655	SHIM (0.65 MM)	1
24	203656	SHIM (0.70 MM)	1
25	203657	SHIM (0.75 MM)	1
26	203658	SHIM (0.85 MM)	1
27	203659	SHIM (0.90 MM)	1
28	203660	SHIM (0.95 MM)	1
29	203662	SHIM (1.10 MM)	1
30	203663	SHIM (1.15 MM)	1
31	203664	SHIM (1.25 MM)	1
32	203665	SHIM (1.30 MM)	1
33	203666	SHIM (1.35 MM)	1
34	203637	SHIM (0.45 MM)	1
35	203638	SHIM (0.55 MM)	1
36	203661	SHIM (1.05 MM)	1
37	203672	SHIM (2.05 MM)	1
38	203673	SHIM (2.10 MM)	1
39	203674	SHIM (2.15 MM)	1
40	203675	SHIM (2.20 MM)	1
41	203676	SHIM (2.25 MM)	1
42	203680	SHIM (2.30 MM)	1
43	203681	SHIM (2.35 MM)	1
44	203682	SHIM (2.40 MM)	1
45	203683	SHIM (2.45 MM)	1
46	203684	SHIM (2.50 MM)	1
47	203639	WASHER (0.10 MM)	1
48	203640	WASHER (0.20 MM)	1
49	203641	WASHER (0.30 MM)	1
50	203642	WASHER (0.40 MM)	1
51	203643	WASHER (0.50 MM)	1
52	203644	WASHER (0.60 MM)	1
53	203645	WASHER (0.70 MM)	1
54	203646	WASHER (0.80 MM)	1
55	203647	WASHER (1.00 MM)	1
57	203649	WASHER (1.40 MM)	1
58	203650	WASHER (2.00 MM)	1
59	203653	WASHER (0.45 MM)	1
60	203654	WASHER (0.55 MM)	1
72	203696	WASHER (1.10 MM)	1
73	203697	WASHER (1.15 MM)	1
74	203754	ROLLER BEARING	1
75	203752	ROLLER BEARING	1
76	203622	SCREW PLUG, M24X1.5 DI	1
77	203606	O-RING, 21X2 0ZF	1
78	203747	SCREW PLUG, M24X1.5 IN	1
79	203606	O-RING, 21X2 0ZF	1
80	203783	BUSHING	16
81	203748	LOCKING SCREW	16
82	203594	FOUR-LIP RING	1
83	203595	FOUR-LIP RING	1
84	203780	PISTON	1
85	203611	NEEDLE CAGE	1
86	203779	LOCKING SLIDE	1
87	203742	COMPRESSION SPRING	1
88	203775	AXLE CASING	1
89	203774	AXLE CASING	1
90	203773	AXLE HOUSING (REAR)	1
	203772	AXLE HOUSING (FRONT)	1
91	203607	O-RING	2
92	203769	STUB SHAFT	2
93	203768	SLEEVE	2
94	203601	RETAINING RING	2
95	203698	WASHER	20
96	203614	HEX SCREW, M14X55 DI	20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Rear Axle
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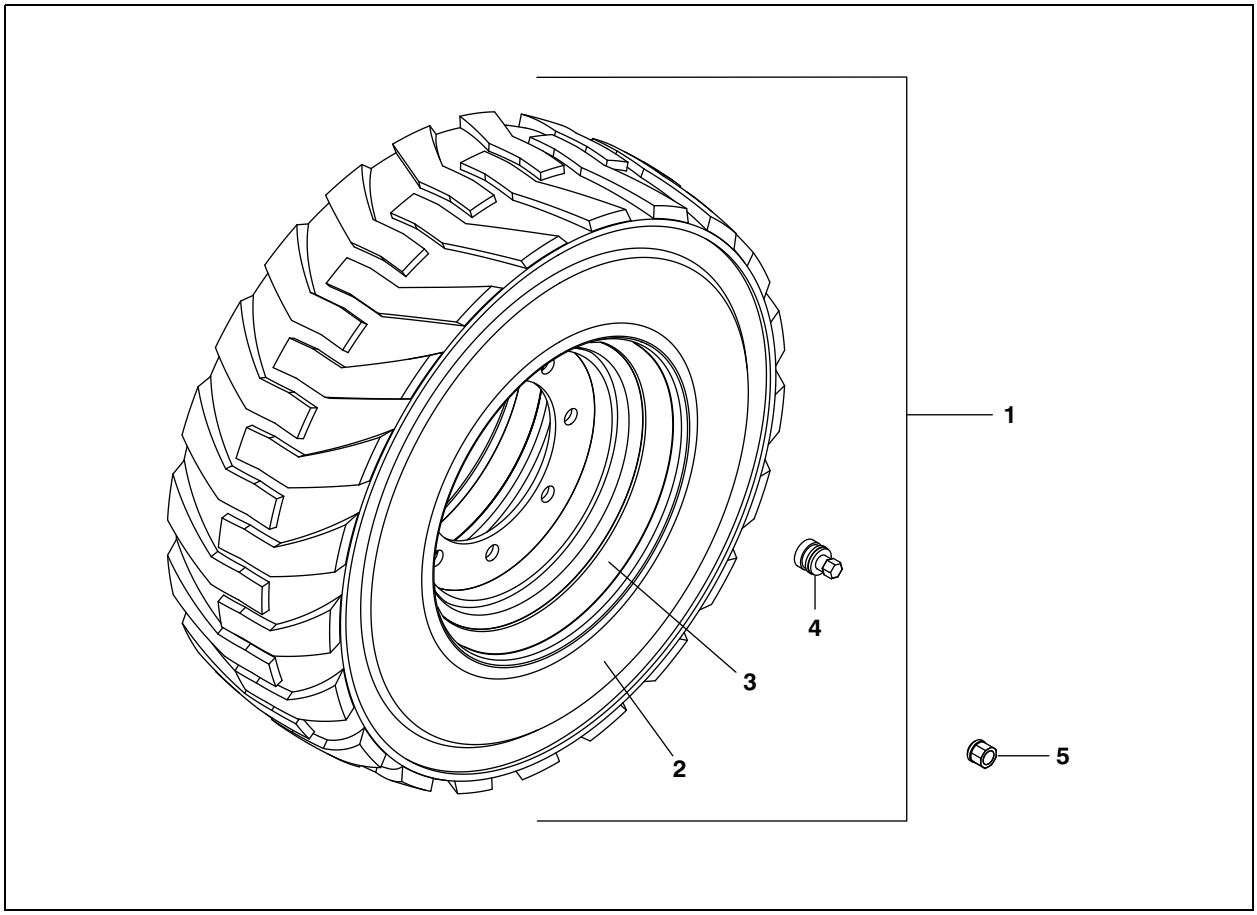
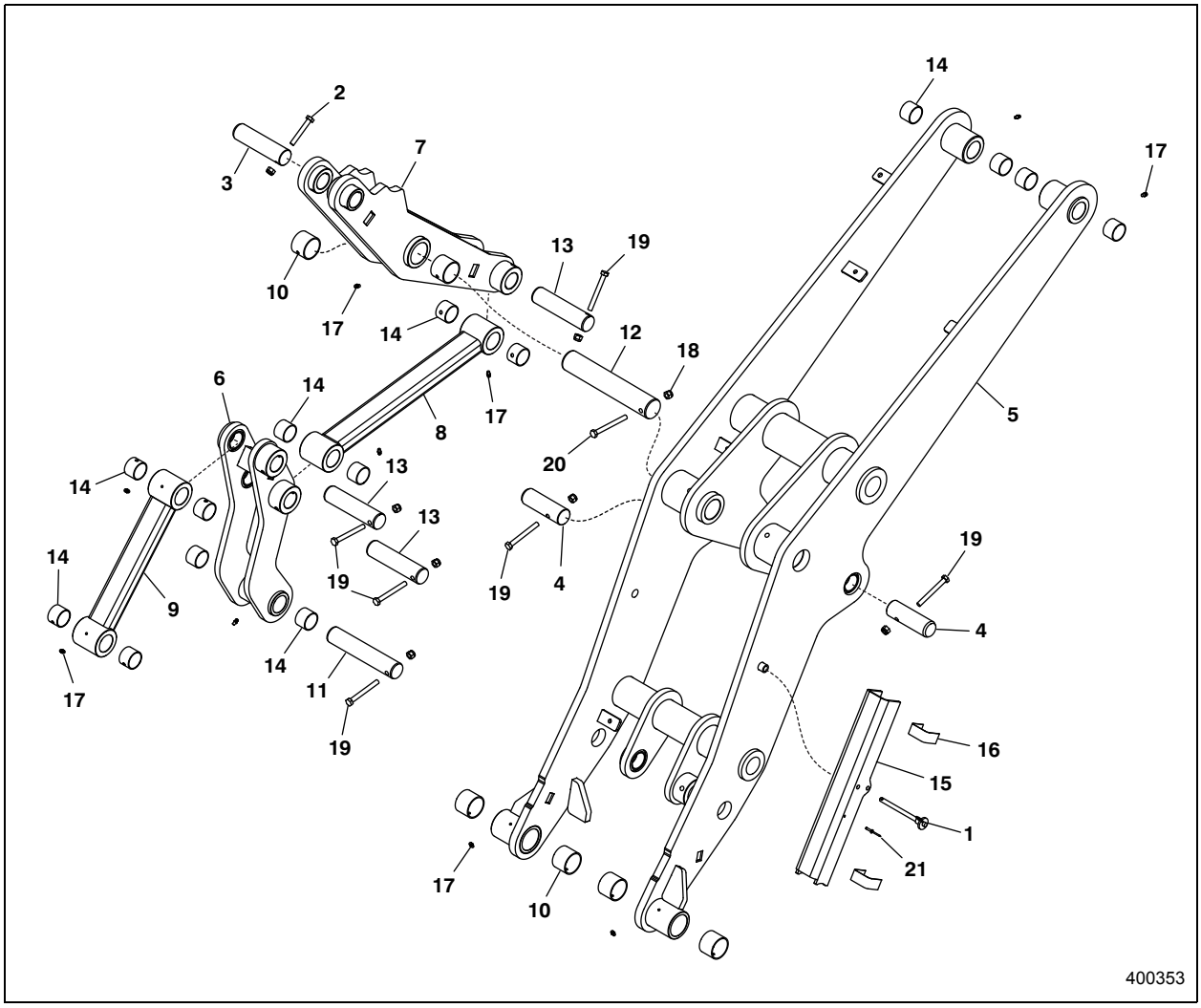
Ref. No.	Part No.	Description	Qty.
1	203778	RING GEAR	2
2	203771	SUN GEAR SHAFT	2
3	203782	PLANETARY CARRIER	2
4	203770	PLANETARY GEAR	6
5	203755	ROLLER BEARING	6
6	203586	SNAP RING	12
7	203600	RETAINING RING	6
8	203699	THRUST WASHER	2
9	203622	SCREW PLUG, M24X1.5 DI	2
10	203606	O-RING, 21X2 0ZF	2
11	203621	CAP SCREW, M10X20 DI	4
12	203777	HUB	2
13	203608	O-RING	2
14	203744	CASSETTE RING	2
15	203750	ROLLER BEARING	4
16	203781	WHEEL BOLT	12
17	203761	INPUT HOUSING	1
18	203759	HOUSING	1
19	203602	CYLINDRICAL PIN, 8M 6X36 ZF	2
21	203616	CAP SCREW, M10X50	10
22	203622	SCREW PLUG, M24X1.5 DI	3
23	203606	O-RING, 21X2 0ZF	3
24	203623	SCREW PLUG, M18X1.5 DI	1
25	203609	O-RING, 15X2 ZF	1
26	203619	CAP SCREW, M14X35 DI	6
27	203885	INPUT GEAR	1
28	203757	SPUR GEAR	1
29	203760	SCREEN SHEET	1
30	203745	SHAFT SEAL	1
31	203624	STUD	6
32	203758	THRUST PLATE	1
33	203872	WASHER	1
34	651698	CS FL M10-1.50X35 C8.8 ZY DIN1662	1



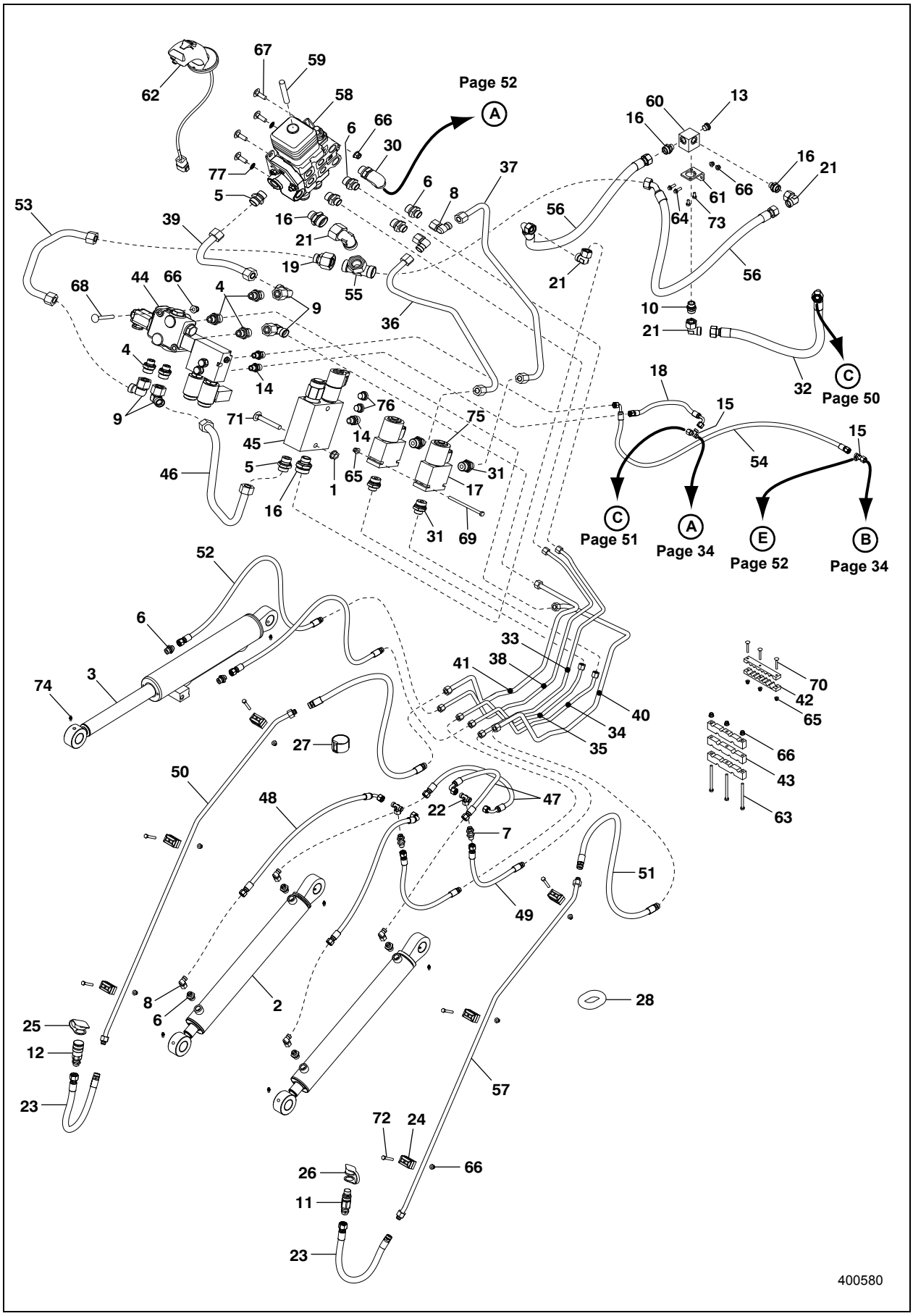
Ref. No.	Part No.	Description	Qty.
1	809537	ASSY/WHEEL 12 X 16.5 GEHL	4
	809601	ASSY/WHEEL HD 33X15.5-16.5 12 PLY (Includes instructions for liquid tire ballast installation)	4
2	*	TIRE/HD 12.0X16.5 10 PLY HD2000 II	1
	*	TIRE/HD 33X16.5X15.5 TITAN HD 2000 (Liquid tire ballast required for rear tires)	1
3	272785	WHEEL 16.5X9.75 6 ON 8.07	1
	272786	WHEEL 16.5X12.0 6 ON 8.07	1
4	420-36023	VALVE STEM, METAL	1
5	201097	NUT/LUG/M18X1.5	24

* Purchase equivalent quality tires for your articulated loader. Contact your dealer for replacement tire information.



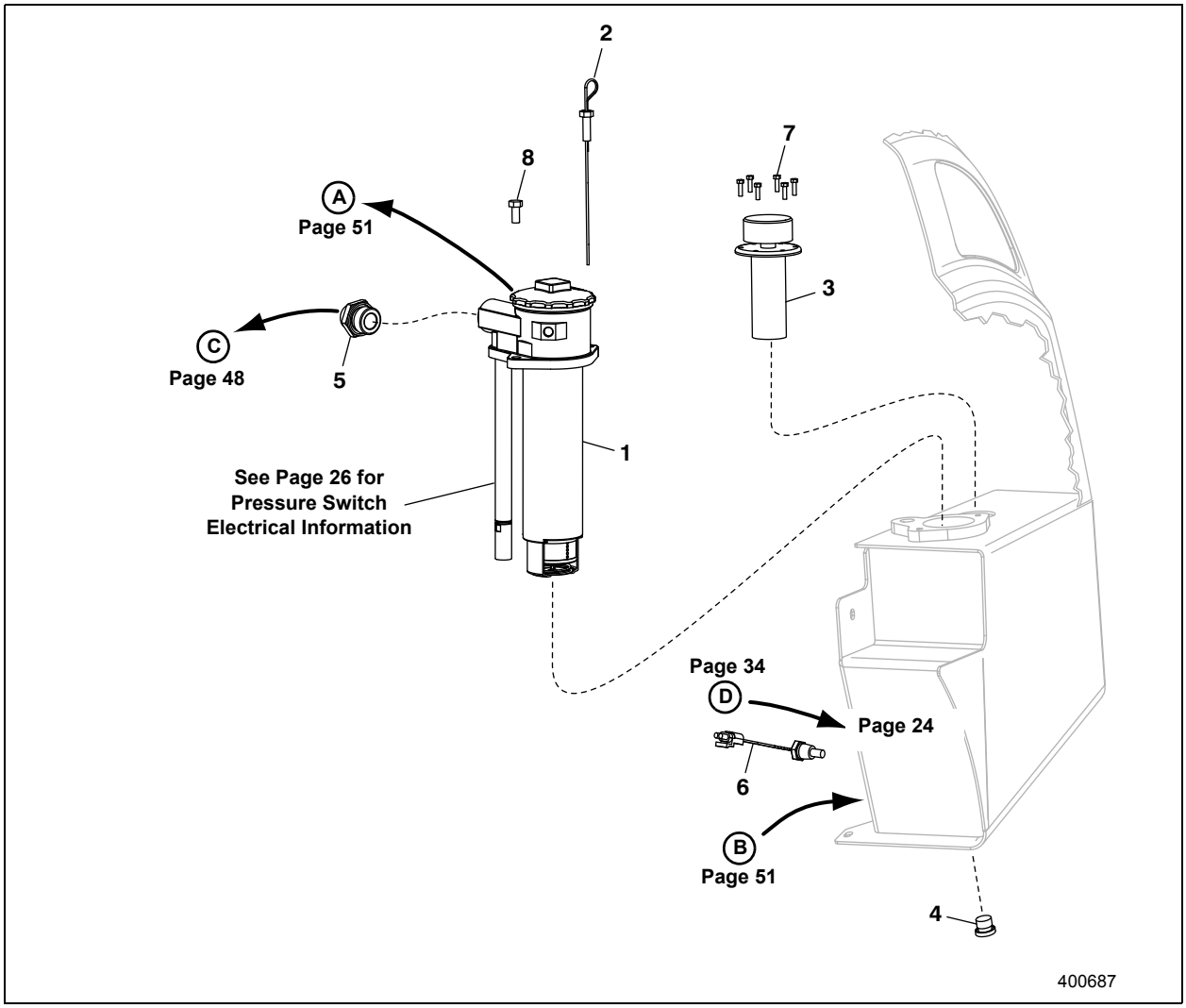
Ref. No.	Part No.	Description	Qty.
1	131785	PIN/QUICK RELEASE	1
2	656188	CS M10-1.5X70 C8.8 ZY DIN931	1
3	175980	PIN/PIVOT	1
4	176039	PIN/PIVOT	2
5	176584	WDMT/LOADER ARM	1
6	176610	WDMT/LOWER PIVOT ARM	1
7	176614	WDMT/UPPER PIVOT ARM	1
8	176621	WDMT/UPPER LINK	1
9	176623	WDMT/LOWER LINK	1
10	176661	BEARING/50MM I.D.	6
11	176662	PIN/PIVOT 40MM	1
12	176663	PIN/PIVOT 50MM	1
13	176714	PIN/PIVOT	3
14	200097	BEARING/40MM I.D.	14
15	201466	CHANNEL/CYLINDER STOP	1
16	270398	STRIP/RUBBER	2
17	613052	FITTING/GREASE M6X1	10
18	651448	LN INS M10-1.5 C8 ZY DIN6924	8
19	656015	CS M10-1.5X90 C8.8 ZY DIN931	6
20	656162	CS M10-1.5X100 C8.8 ZY DIN931	1
21	132289	RIVET/BLIND .156 X .50	1

AL 540 - LIFT ARM
HYDRAULICS



Ref. No.	Part No.	Description	Qty.
1	071043	LN SER FL M10-1.50 C10 ZY DIN196	2
2	175828	CYL/HYD/LIFT (see Page 60 for details)	2
3	175829	CYL/HYD/TILT (see Page 61 for details)	1
4	176353	STM M24C15 MBSPP38**	5
5	176354	STM M24C15 MBSPP12**	2
6	176356	STM M24C12 MBSPP12**	10
7	176361	STM BK M24C12 M24C12	2
8	176365	90M SV F24C12 M24C12**	6
9	176366	90M SV F24C15 M24C15**	4
10	176376	STM M24C22 MBSPP34**	1
11	176480	MALE/COUPLER/QUICK	1
12	176481	FEMALE/COUPLER/QUICK	1
13	176510	HPM MBSPP12**	1
14	176530	STM M24C10 MBSPP14**	3
15	176779	TEM SV RN F24C10 M24C10**	2
16	176884	STM M24C22 MBSPP12**	4
17	184101	VALVE/SOL SV10-24 10T	2
18	201126	HOSE/MP 5 X 508MM*	1
19	201279	STM SV RD F24C22 M24C15**	1
21	270069	90M SV F24C22 M24C22**	4
22	270227	TEM SV BR F24C12 M24C12**	2
23	270305	HOSE/MP 8 X 546MM*	2
24	270396	CLAMP/TUBE 15MM-10MM TWIN	6
25	271083	COVER/DUST	1
26	271084	COVER/DUST	1
27	271088	STRAP/BUNDLE/HOSE	1
28	271160	LOOMING/GUARD (0.771 FT)	1
30	271636	90M AJ M24C18 MABSPP12**	1
31	273270	ST MC12-MORB10-L**	4
32	273334	HOSE/LP 12 X 851MM*	1
33	273385	TUBE	1
34	273386	TUBE	1
35	273387	TUBE	1
36	273388	TUBE	1
37	273389	TUBE	1
38	273390	TUBE	1
39	273391	TUBE	1
40	273392	TUBE	1
41	273393	TUBE	1
42	273469	BLOCK	2
43	273483	BLOCK/CUSTOM	3
44	273534	VALVE/AUXILIARY (see Page 55 for details)	1
45	273563	VALVE/POWER-A-TACH	1
46	273694	TUBE	1
47	273775	HOSE/MP 6 X 559MM*	2
48	273777	HOSE/MP 6 X 711MM*	2
49	273807	HOSE/MP 6 X 457MM*	2
50	273813	TUBE/HYDRAULIC	1
51	273814	HOSE/MP 8 X 1041MM*	2
52	273823	HOSE/MP 6 X 1143MM*	2
53	273846	TUBE/HYD RETURN	1
54	273852	HOSE/MP 5 X 1473MM*	1
55	273956	TEE BR MC22-MC22-FCS22-L**	1
56	275404	HOSE/LP 12 X 915MM*	2
57	273988	TUBE/HYDRAULIC	1
58	274097	VALVE/CONTROL	1
59	274153	SHAFT/JOYSTICK	1
60	274162	MANIFOLD/RETURN	1
61	274167	BRACKET/RETURN MANIFOLD	1
62	274186	HANDLE/JOYSTICK	1
63	651629	CS M8-1.25X110 C10.9 ZY DIN931	3
64	651695	CS FL M8-1.25X25 C8.8 ZY DIN1662	2
65	651705	LN INST FL M6-1.00 C8 ZY DIN6926	5
66	651706	LN INST FL M8-1.25 C8 ZY DIN6926	17
67	651713	CB M8-1.25X25 C8.8 ZY DIN603	4
68	651727	CB M8-1.25X60 C8.8 ZY DIN603	2
69	651752	CS M6-1.00X100 C8.8 ZY DIN931	2
70	651802	CB M6-1.00X45 C4.6 ZY DIN603	3
71	651806	CB M10-1.50X70 C4.6 ZY DIN603	2
72	656004	CS M8-1.25X55 C8.8 ZY DIN931	6
73	656093	CS M8-1.25X16 C8.8 ZY DIN931	2
74	613052	FITTING/GREASE M6X1	6
75	184105	COIL	2
76	176511	PLUG HH MBSPP04**	2
77	274591	RETAINER 8MM	2

*** See Page 96 for hose/o-ring information.**
**** See Page 95 for o-ring/seal/description information.**

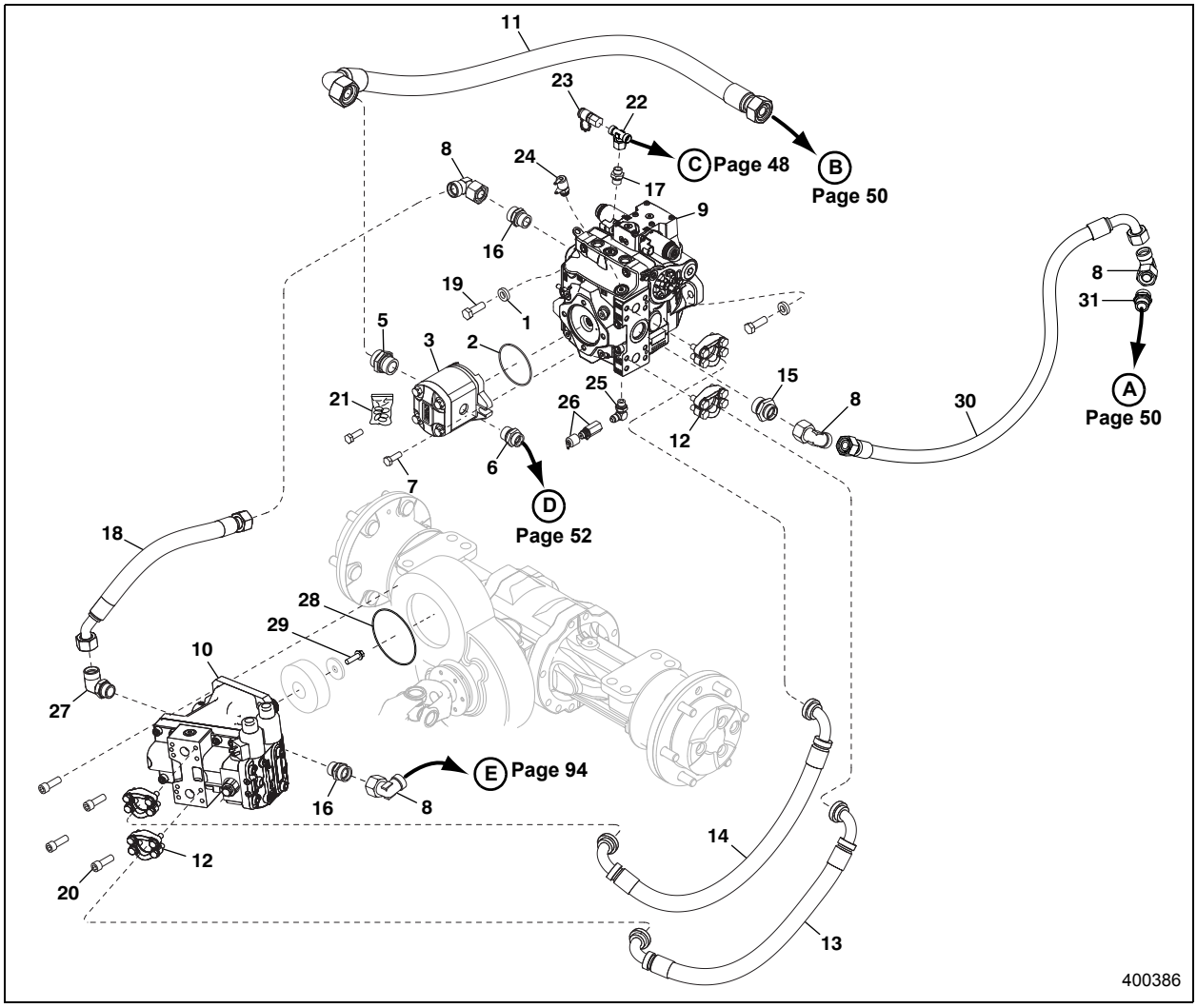


Ref. No.	Part No.	Description	Qty.
1	274912	FILTER/RETURN	1
		See page 3 for individual components	
2	175921	BOLT/DIPSTICK	1
3	175922	BREATHER	1
4	176510	HPM MBSPP12 (DRAIN PLUG) **	1
5	176885	STM M24C22 MBSPP01 **	1
6	271461	SWITCH/TEMP 215 AF	1

Ref. No.	Part No.	Description	Qty.
7	651521	CS M5-0.8X16 C8.8 ZY DIN931	6
8	656006	CS M10-1.5X20 C8.8 ZY DIN931	1

*** See Page 96 for hose/o-ring information.**

**** See Page 95 for o-ring/seal/description information.**



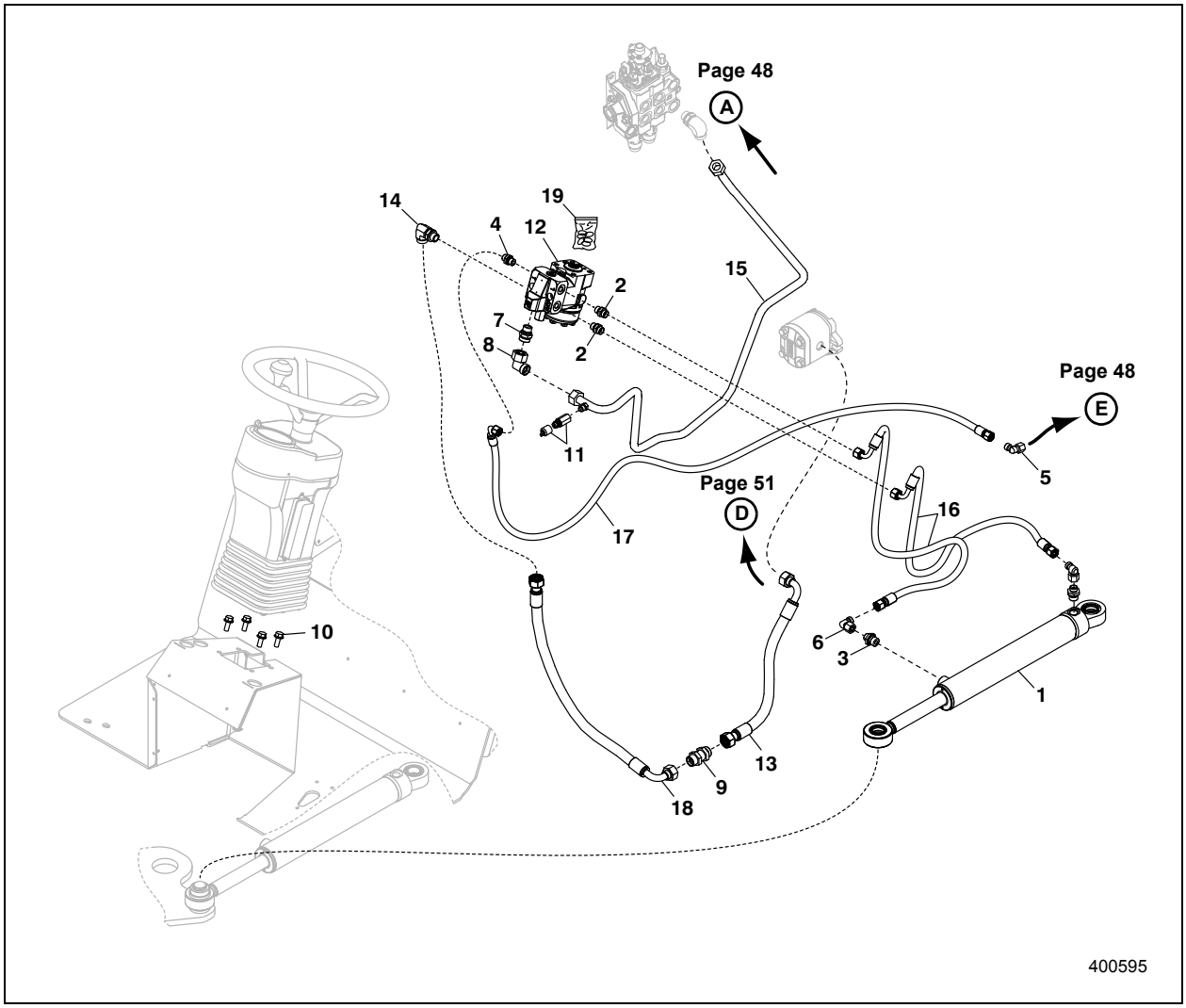
Ref. No.	Part No.	Description	Qty.
1	093362	FW 17/32	2
2	129933	O-RING -152 70 DUR	1
3	176274	PUMP/GEAR	1
5	176375	STM M24C28 MBSPP01 **	1
6	176532	STM M24C18 MBSPP34 **	1
7	201181	CS M10-1.50X30 C8.8ZY	2
8	270069	90M SV F24C22 M24C22 **	4
9	270201	PUMP/AXIAL PISTON	1
10	270245	MOTOR/BENT AXIS	1
11	270294	HOSE/LP 16 X 1213MM *	1
12	270359	DIN FLANGE KIT/-12 CD 62	4
13	270391	HOSE/HP 12 X 640MM *	1
14	270392	HOSE/HP 12 X 765MM *	1
15	270414	STM M24C22 MORB16 **	1
16	270415	STM M24C22 MORB12 **	2
17	270416	STM M24C10 MORB06 **	1
18	271999	HOSE/MP 12 X 457MM *	1

Ref. No.	Part No.	Description	Qty.
19	650453	CS 1/2X1-1/2 C5ZY ***	2
20	651483	SHCS M12-1.75X35 C10.9 ZY DIN912	4
21	270671	KIT/SEAL	1
22	176367	TEM SV BR F24C10 M24C10 **	1
23	270236	DIAGNOSTIC/MALE **	1
24	193562	TEST PORT-9/16-18 UNF	1
25	068938	ELBOW/90° ADJUSTABLE**	1
26	104378	TEST PORT/ -6 JICM	1
27	272380	90M AJ M24C22 MAORB12 **	1
28	203890	O-RING/2-250X70BN	1
29	651698	CS FL M10-1.50X35 C8.8 ZY DIN1662	1
30	201094	HOSE/LP 12 X 1118MM	1
31	176376	ST MC22-MBSPP12-L	1

*** See Page 96 for hose/o-ring information.**

**** See Page 95 for o-ring/seal/description information.**

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



Ref. No.	Part No.	Description	Qty.
1	175830	CYL/HYD/STEERING	1
2	176355	STM M24C12 MBSPP38**	2
3	176356	STM M24C12 MBSPP12**	2
4	176358	STM M24C10 MBSPP38**	1
5	176364	90 FCS10-MC10-L**	1
6	176365	90M SV F24C12 M24C12**	2
7	176370	STM M24C18 MBSPP12**	1
8	176371	90M SV F24C18 M24C18**	1
9	176503	STM BK M24C18 M24C18	1
10	176653	CS FLH M10-1.5X25 C8.8ZY SP DIN1665	4
11	193169	TESTPORT	1

Ref. No.	Part No.	Description	Qty.
12	201114	VALVE/STEERING	1
13	271524	HOSE/MP 10 X 490MM*	1
14	271636	90M AJ M24C18 MABSPP12**	1
15	273384	TUBE	1
16	274128	HOSE/MP 6 X 915MM*	2
17	274351	HOSE/MP 5 X 2235MM*	1
18	274367	HOSE/MP 10 X 870MM*	1
19	202671	KIT/SEAL (Steering Valve)	1

*** See Page 96 for hose/o-ring information.**

**** See Page 95 for o-ring/seal/description information**

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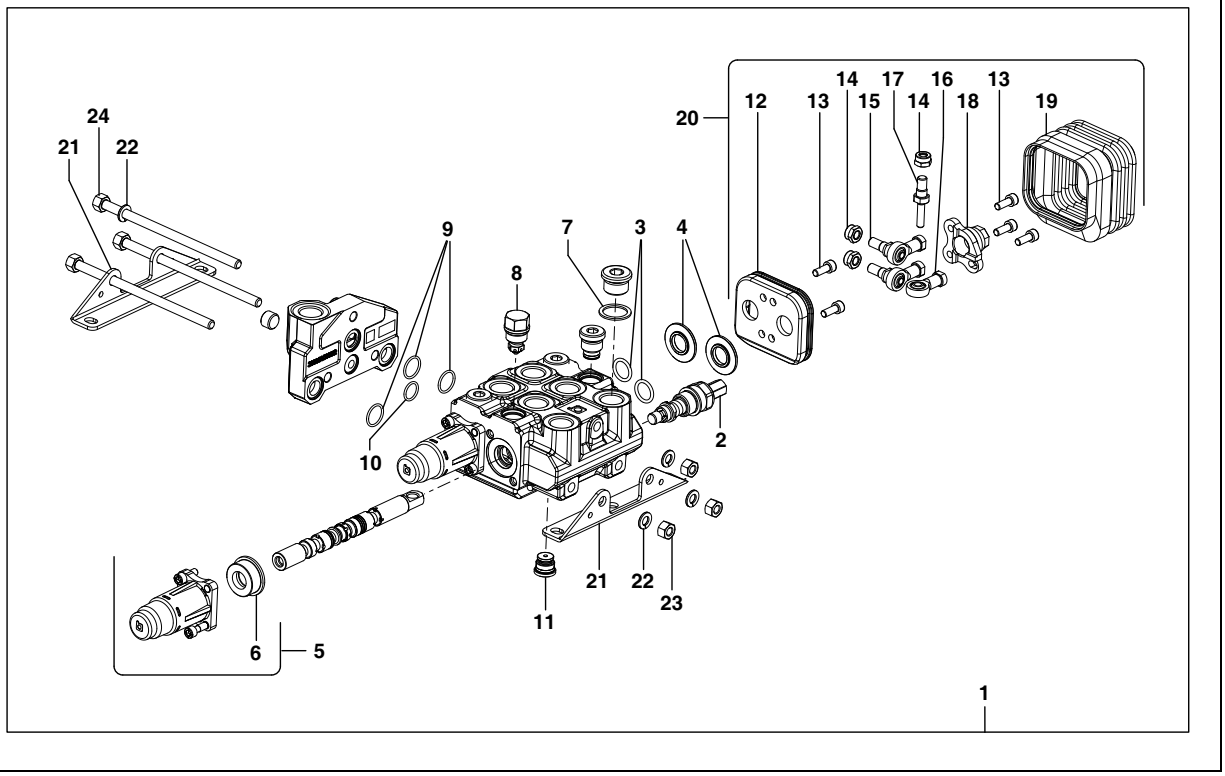
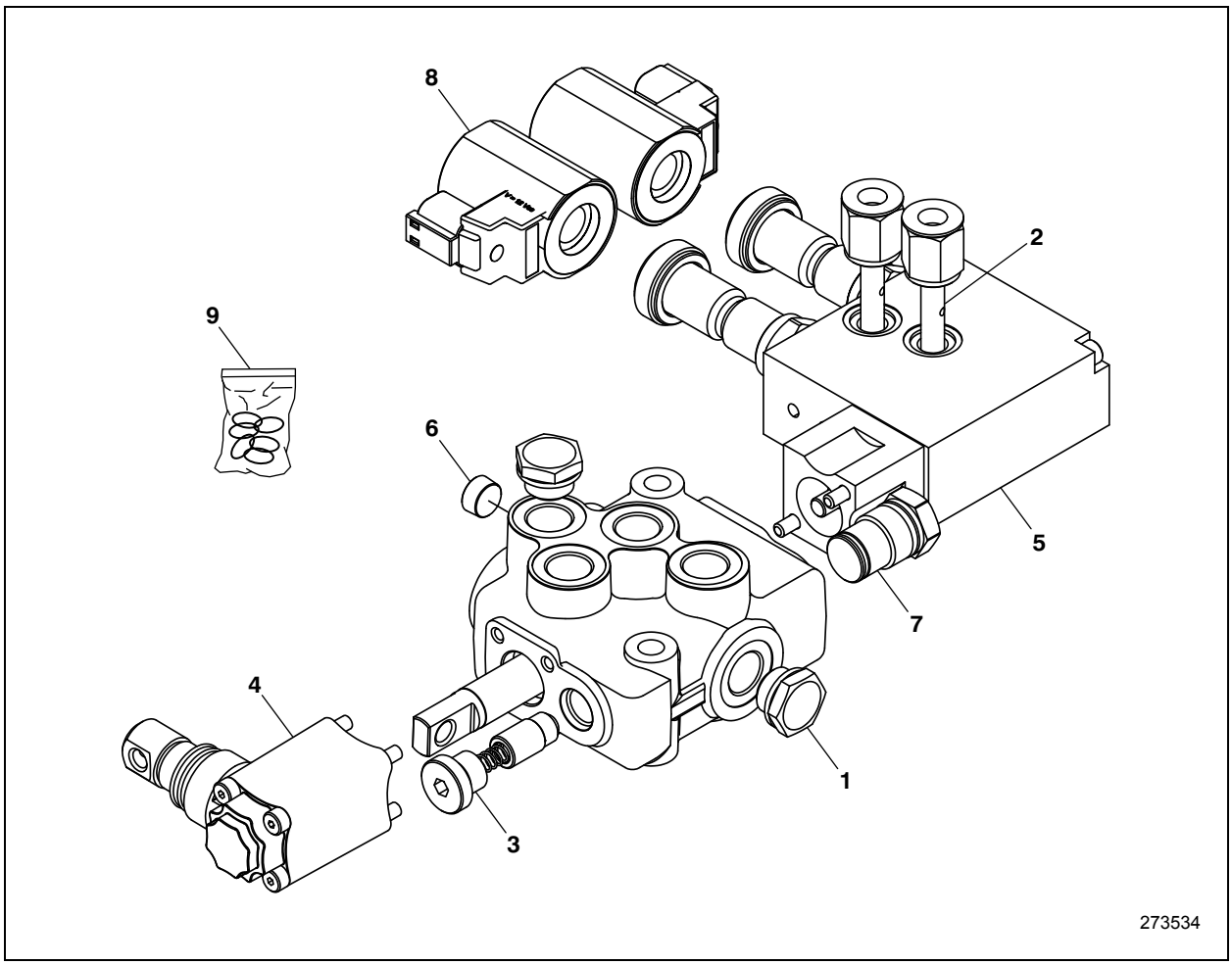
AL 540 - HYDRAULICS
CONTROL VALVE



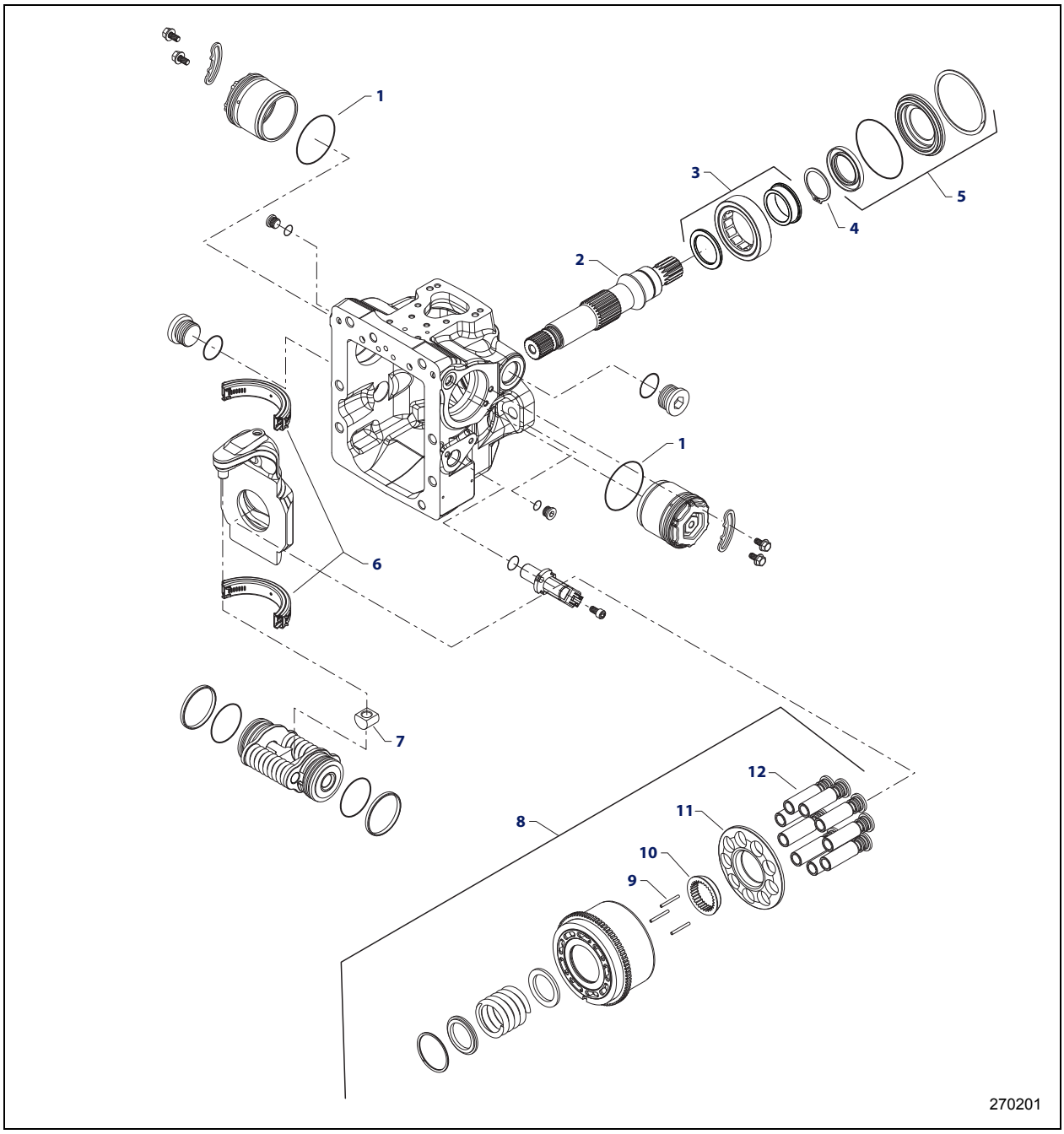
Ref. No.	Part No.	Description	Qty.
1	274097	VALVE/CONTROL	1
2	202572	VALVE/RELIEF	1
3	230040	O-RING	2
4	230041	SPACER	2
5	230043	POSITIONER	2
6	230042	SPACER	2
7	230044	SEALING WASHER	1
8	230045	CHECK VALVE	1
9	230046	O-RING	3
10	230047	O-RING	1
11	203815	CHECK VALVE	2
12	*	LEVER SUPPORT	1
13	*	SCREW	5
14	*	NUT	3
15	*	PIVOT	2
16	*	PIVOT	1
17	*	PIN	1
18	*	SUPPORT	1
19	*	BOOT/RUBBER	1
20	230052	LEVER ASSY	1
21	230053	BRACKET	2
22	230054	WASHER	4
23	230055	NUT	3
24	230056	SCREW	3

* Part not available separately, for service order 230052, Lever Assy.



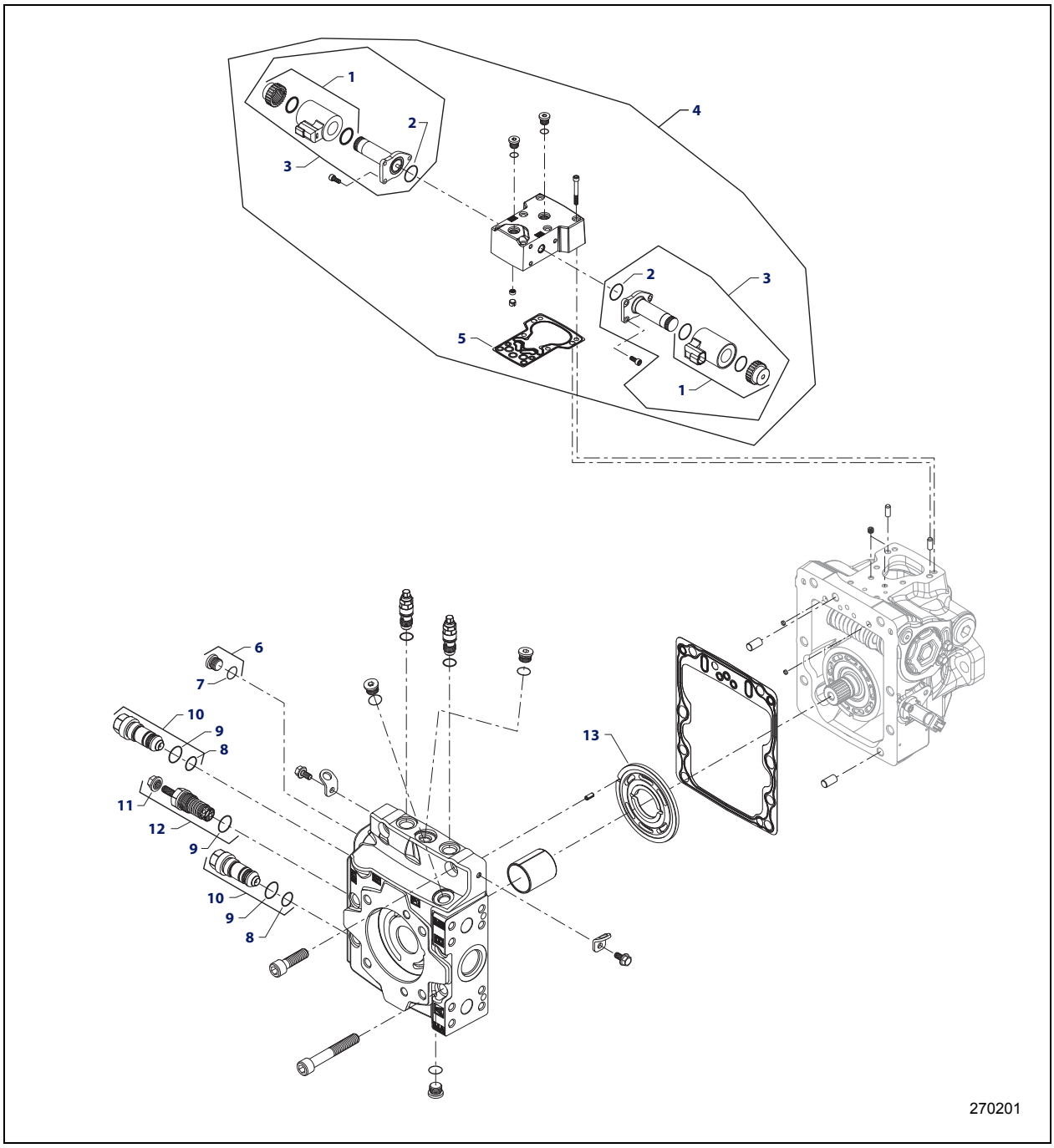
Ref. No.	Part No.	Description	Qty.
1	230020	PLUG KIT	2
2	230021	TIE ROD KIT	1
3	230022	LOAD CHECK KIT	1
4	230023	PROTECTED LEVER KIT	1
5	230024	PROPORTIONAL CONTROL	1
6	230025	CONICAL PLUG	1

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



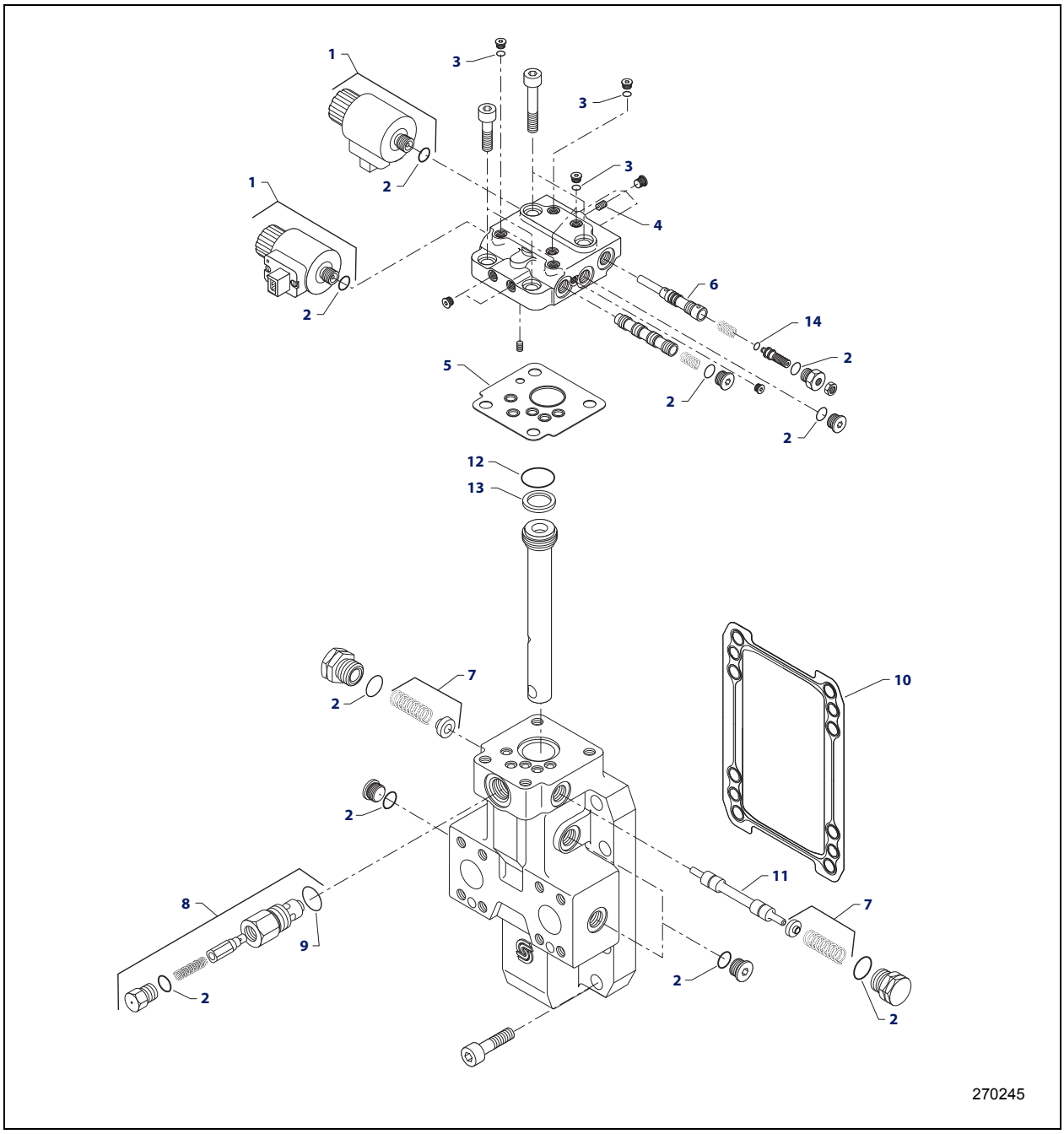
Ref. No.	Part No.	Description	Qty.
1	204482	O-RING	2
2	204478	SHAFT	1
3	204483	ROLLER BEARING	1
4	198015	RETAINING RING	1
5	204480	SHAFT SEAL KIT	1
6	204479	SWASHPLATE BEARING KIT	1
7	204476	SLIDER BLOCK	1

Ref. No.	Part No.	Description	Qty.
8	204472	CYLINDER BLOCK KIT W/SPEED RING	1
9	204481	SLIPPER HOLD-DOWN PIN	3
10	204473	SLIPPER RETAINER GUIDE	1
11	204477	SLIPPER RETAINER	1
12	204471	PISTON ASSEMBLY KIT	1
13	204468	OVERHAUL SEAL KIT (not shown)	1



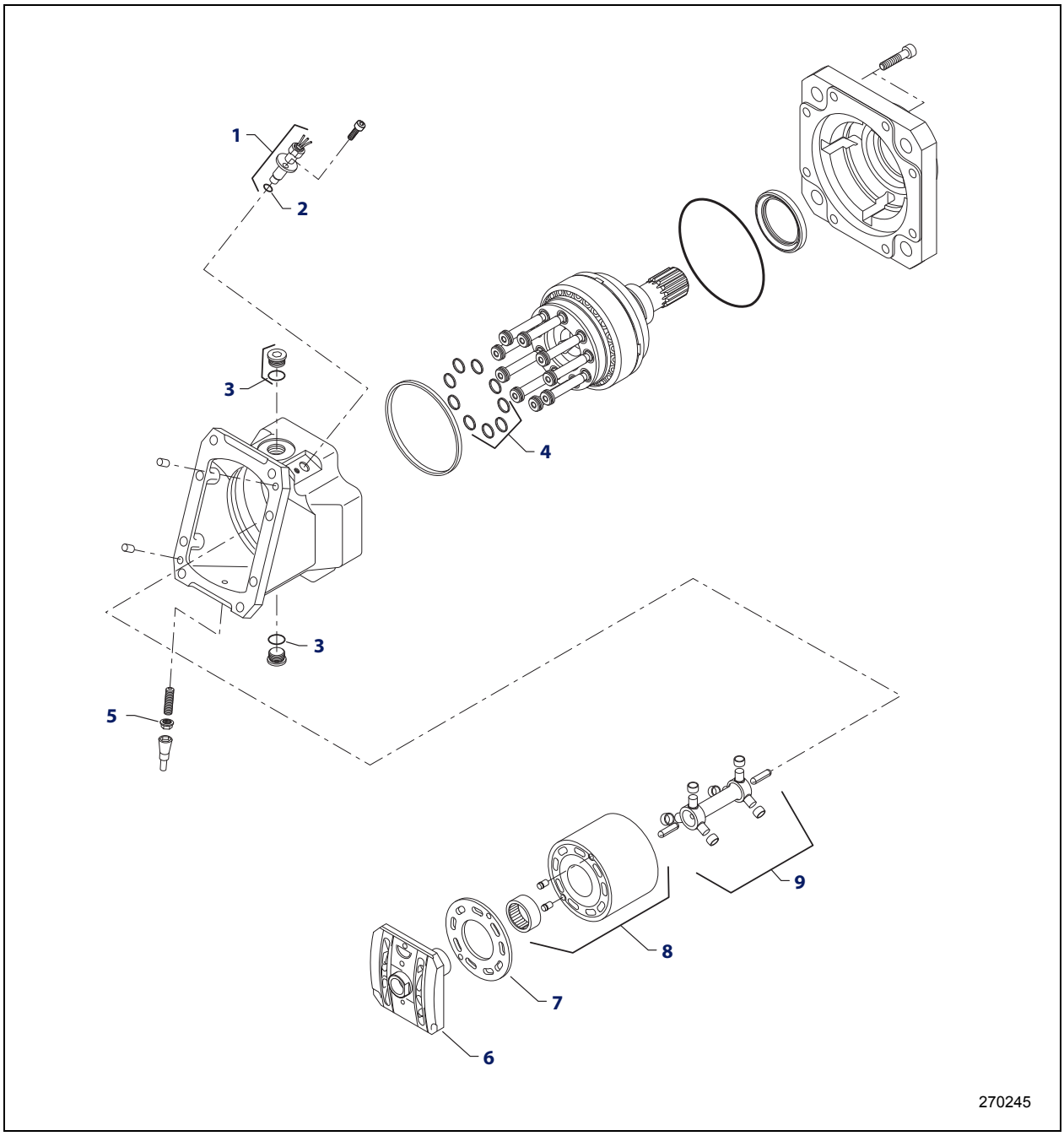
Ref. No.	Part No.	Description	Qty.
1	204465	O-RING	2
2	230017	COIL KIT	2
3	204474	SOLENOID VALVE	2
4	204467	NFPE CONTROL KIT, 12 VOLT	1
5	230018	GASKET	1
6	230012	PLUG ASSEMBLY	1
7	204464	O-RING	1

Ref. No.	Part No.	Description	Qty.
8	204475	O-RING	2
9	602423	O-RING	3
10	204466	RELIEF VALVE, 450 BAR	2
11	230010	SEAL NUT	1
12	204469	CHARGE RELIEF VALVE KIT	1
13	204470	VALVE PLATE	1



Ref. No.	Part No.	Description	Qty.
1	204487	SOLENOID VALVE	2
2	204464	O-RING	10
3	230011	O-RING	11
4	230004	ORIFICE	1
5	204489	GASKET	1
6	230002	PISTON	1
7	204490	SPRING GUIDE ASSEMBLY	2
8	230008	CHARGE RELIEF VALVE KIT	1
9	602423	O-RING	1

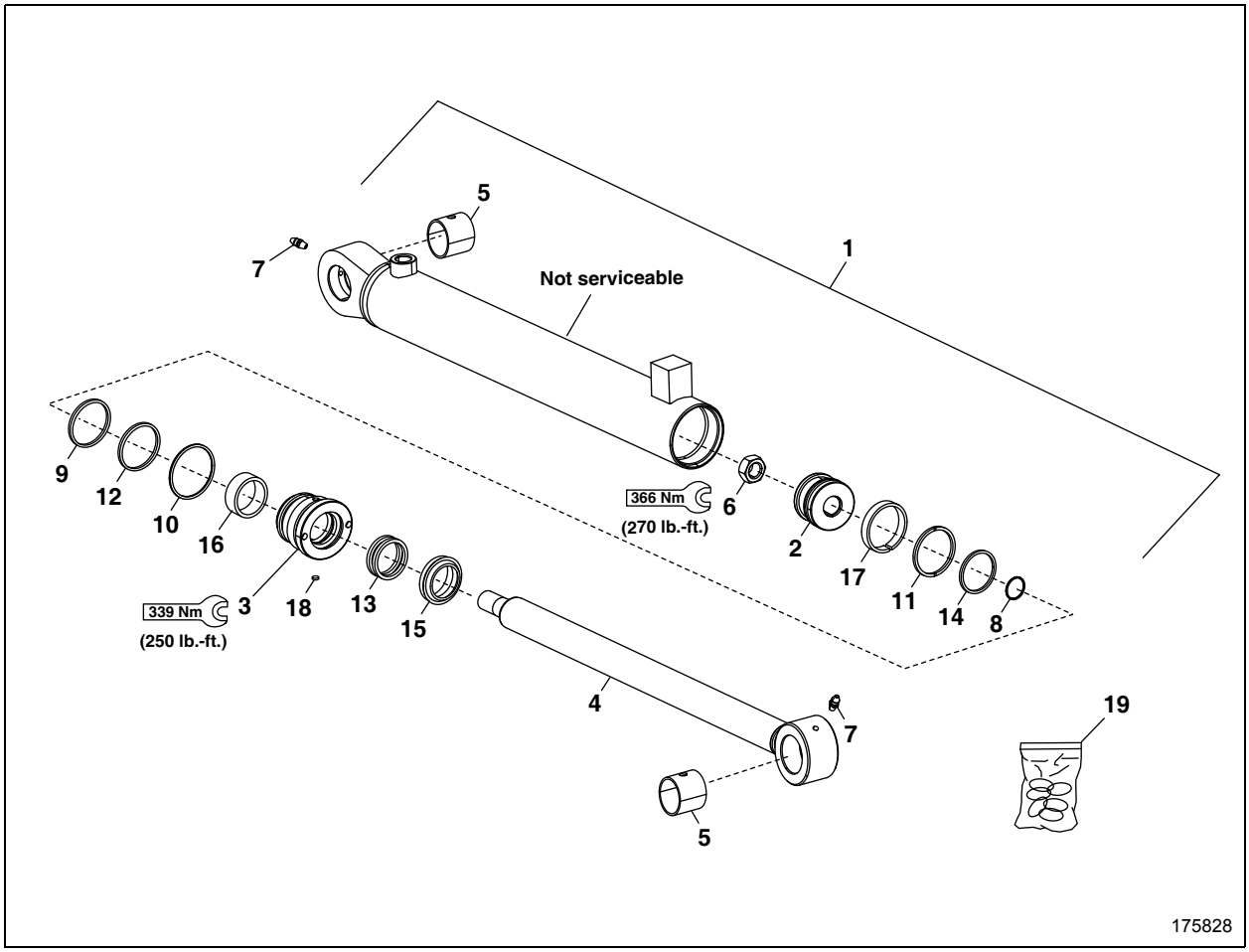
Ref. No.	Part No.	Description	Qty.
10	230001	GASKET	1
11	230009	SHUTTLE SPOOL	1
12	204484	O-RING	1
13	204486	SEAL RING	1
14	230005	O-RING	1
15	204488	OVERHAUL SEAL KIT (notshown)	1



Ref. No.	Part No.	Description	Qty.
1	230019	SPEED SENSOR MOTOR	1
2	204464	O-RING	1
3	230013	O-RING	2
4	230007	PISTON RING KIT	1
5	204463	SEAL NUT	1
6	204485	VALVE SEGMENT	1

Ref. No.	Part No.	Description	Qty.
7	230000	BEARING PLATE	1
8	230006	CYLINDER BLOCK ASSEMBLY	1
9	230003	SYNCH SHAFT KIT	1

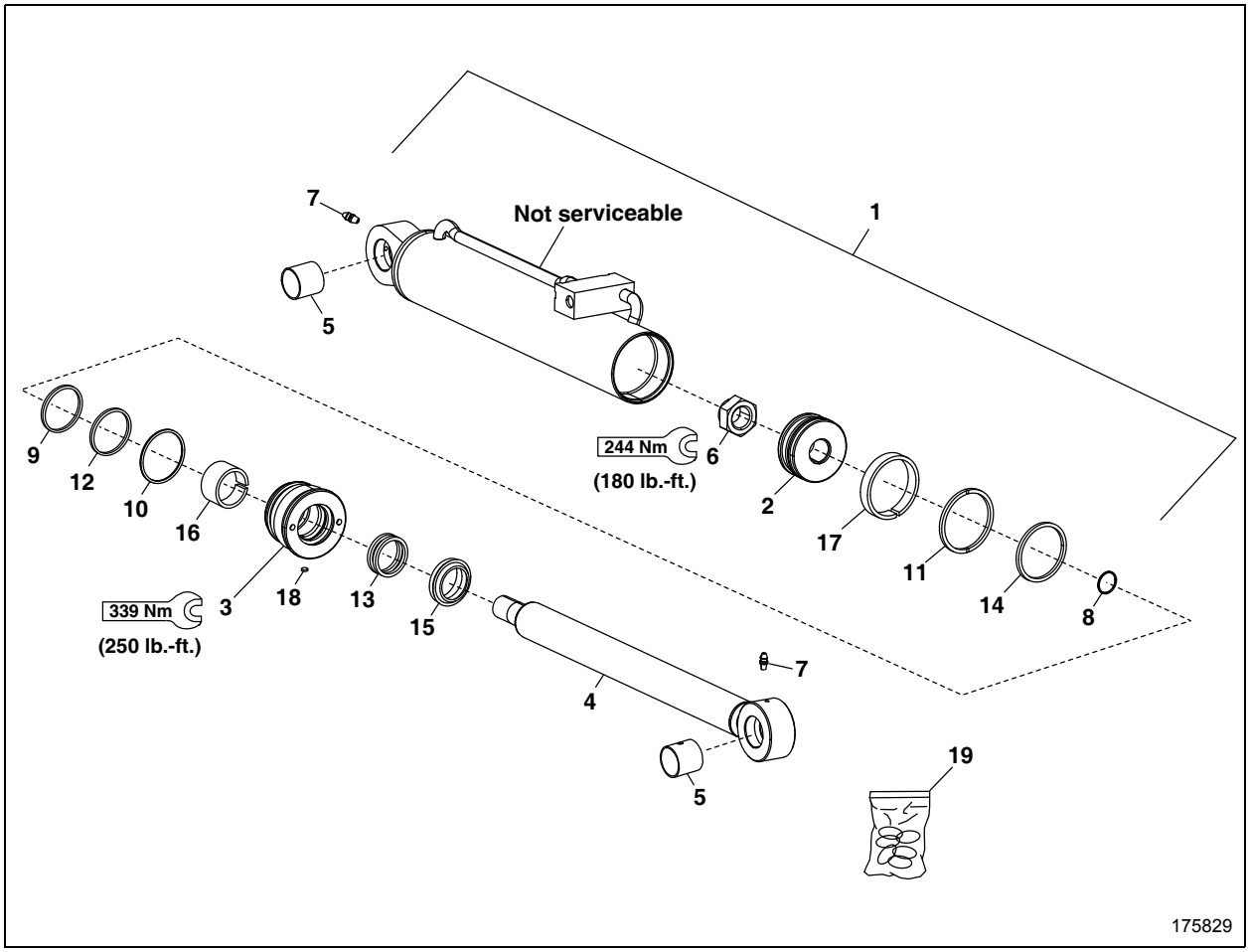
AL 540 - HYDRAULIC CYLINDERS
LIFT CYLINDER



Ref. No.	Part No.	Description	Qty.
1	175828	LIFT CYLINDER COMPLETE (Includes Ref. Nos. 2-17)	1
2	124073	PISTON	1
3	270660	HEAD GLAND	1
4	270661	ROD WELDMENT	1
5	270454	PRELUBRICATED BUSHING	2
6	080313	NUT LOCK .75-16 *	1
7	613052	FITTING/GREASE M6X1	2
8		O-RING	1
9		O-RING	1
10		O-RING	1
11		SQUARE RING	1

Ref. No.	Part No.	Description	Qty.
12		BACKUP RING	1
13		DEEP Z-SEAL	1
14		SQUARE SECT. TFE PISTON SEAL	1
15		HD ROD WIPER, SEALED OD	1
16		WEARBAND	1
17		WEARBAND	1
18		LOCKING INSERT	2
19	270662	KIT/SEAL (Includes Ref. Nos. 8-18)	1

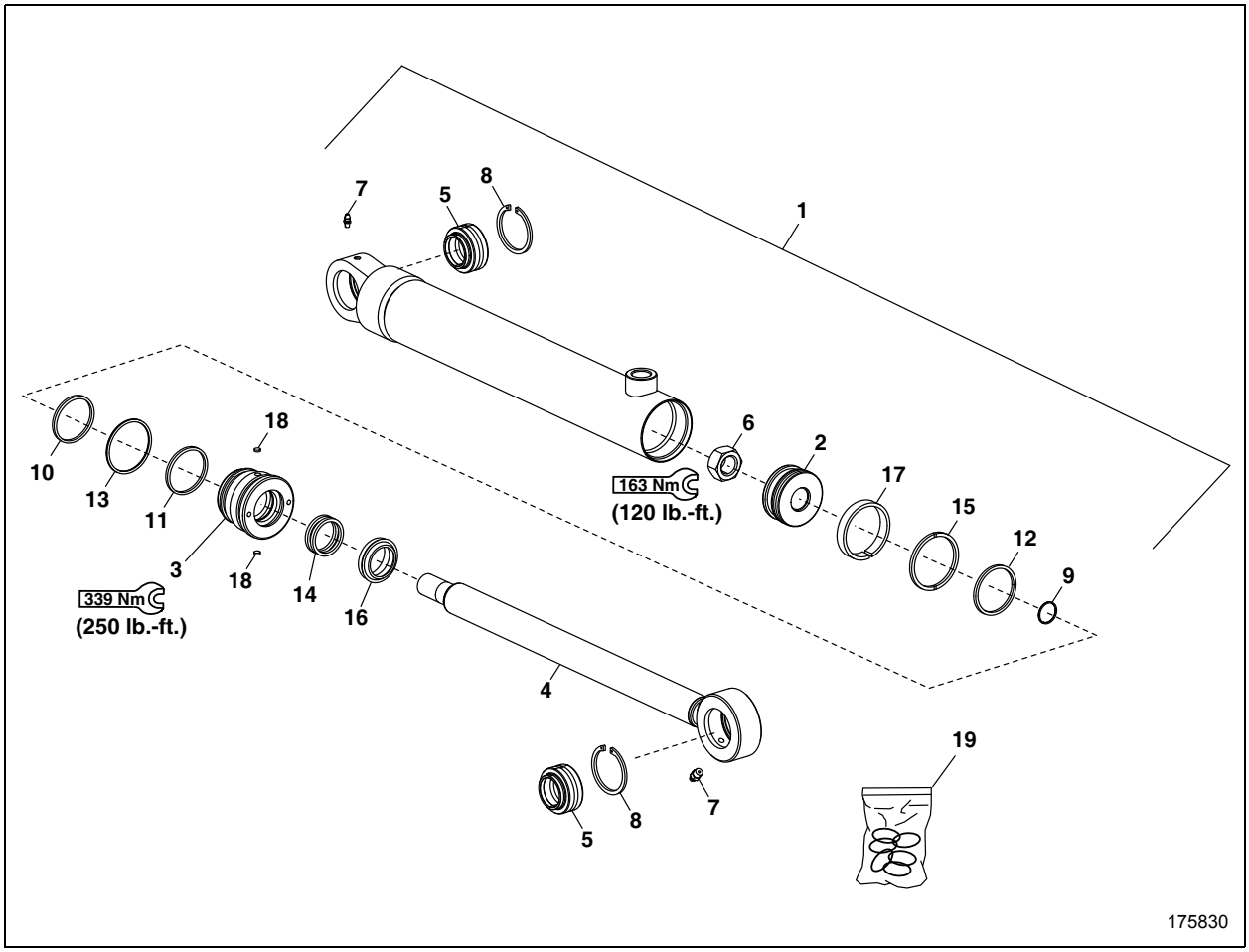
*** Requires Loctite® 271 or equivalent.**



Ref. No.	Part No.	Description	Qty.
1	175829	TILT CYLINDER COMPLETE (Includes Ref. Nos. 2-18)	1
2	270664	PISTON	1
3	270665	HEAD GLAND	1
4	270666	ROD WELDMENT	1
5	270454	PRE-LUBRICATED BUSHING	2
6	L99405	LOCKNUT 1.125-12 UNF *	1
7	613052	FITTING/GREASE M6X1	2
8		O-RING	1
9		O-RING	1
10		O-RING	1
11		SQUARE RING	1
12		BACKUP RING	1
13		DEEP Z-SEAL	1
14		SQUARE SECT. TFE PISTON SEAL	1
15		HD ROD WIPER, SEALED OD	1
16		WEARBAND	1
17		WEARBAND	1
18		LOCKING INSERT	2
19	270667	KIT/SEAL (Includes Ref. Nos. 8-18)	1

*** Requires Loctite® 271 or equivalent.**

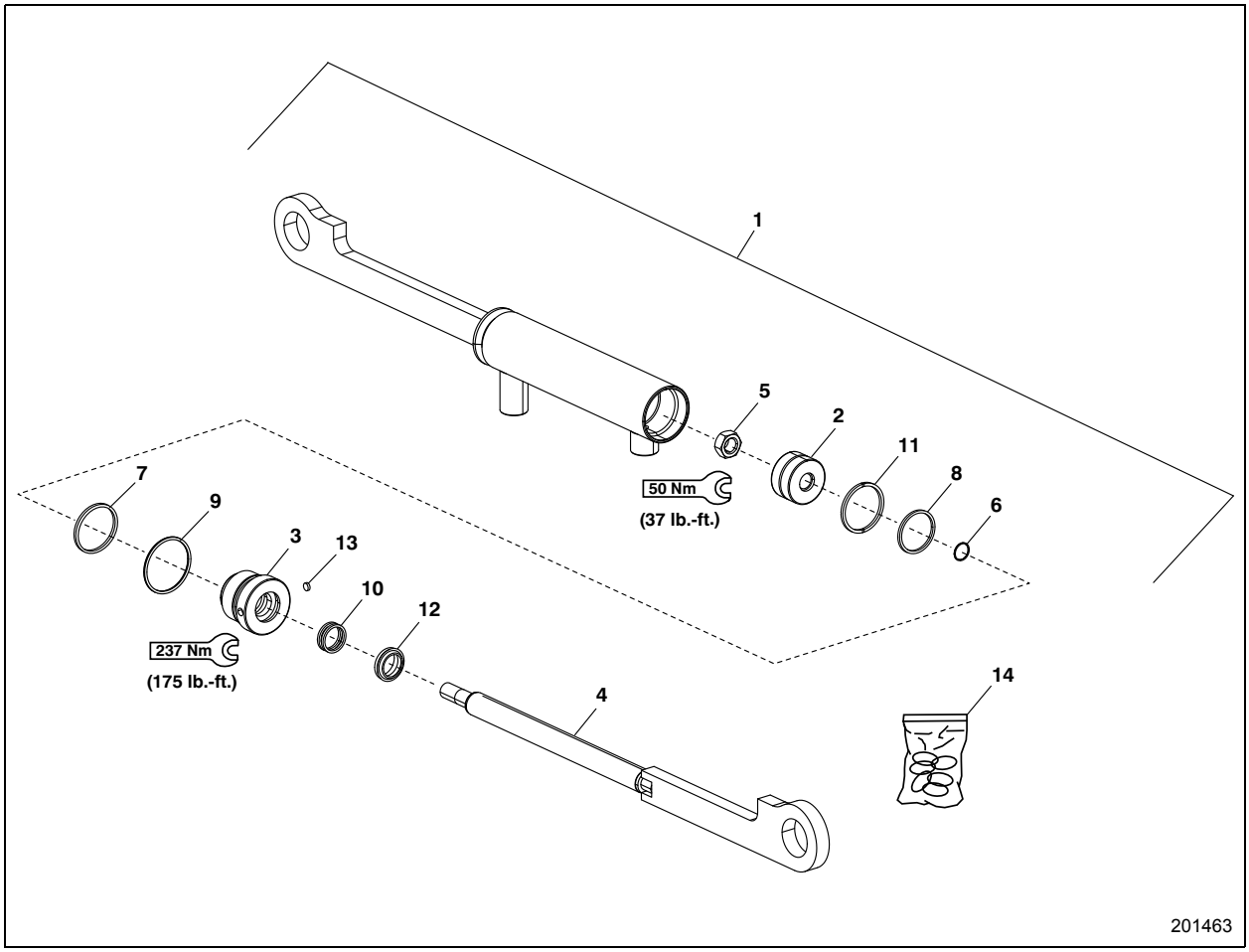
AL 540 - HYDRAULIC CYLINDERS
STEERING CYLINDER



Ref. No.	Part No.	Description	Qty.
1	175830	CYL/HYD/STEERING COMPLETE (Includes Ref. Nos. 2-18)	1
2	270435	PISTON	2
3	270436	HEAD GLAND	1
4	270437	ROD WELDMENT	1
5	270426	SPHERICAL BEARING	1
6	080319	NUT LOCK .75-16 *	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

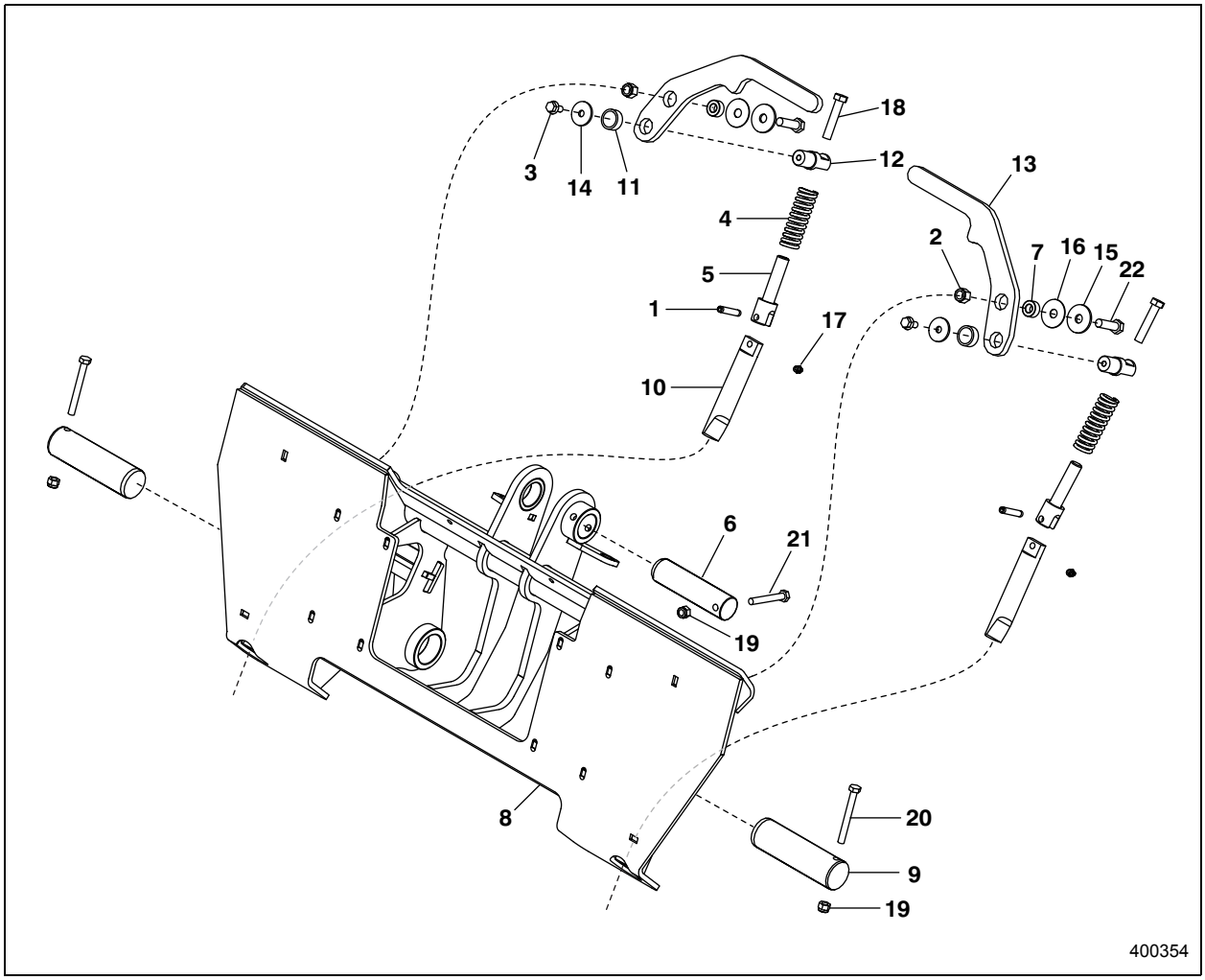
Ref. No.	Part No.	Description	Qty.
12		SQUARE RING	1
13		BACKUP RING	1
14		DEEP Z-SEAL	1
15		SQUARE SECT. TFE PISTON SEAL	1
16		HD ROD WIPER, SEALED OD	1
17		WEARBAND	1
18		LOCKING INSERT	2
19	270439	KIT/SEAL (Includes Ref. Nos. 9-18)	1

*** Requires Loctite® 271 or equivalent.**



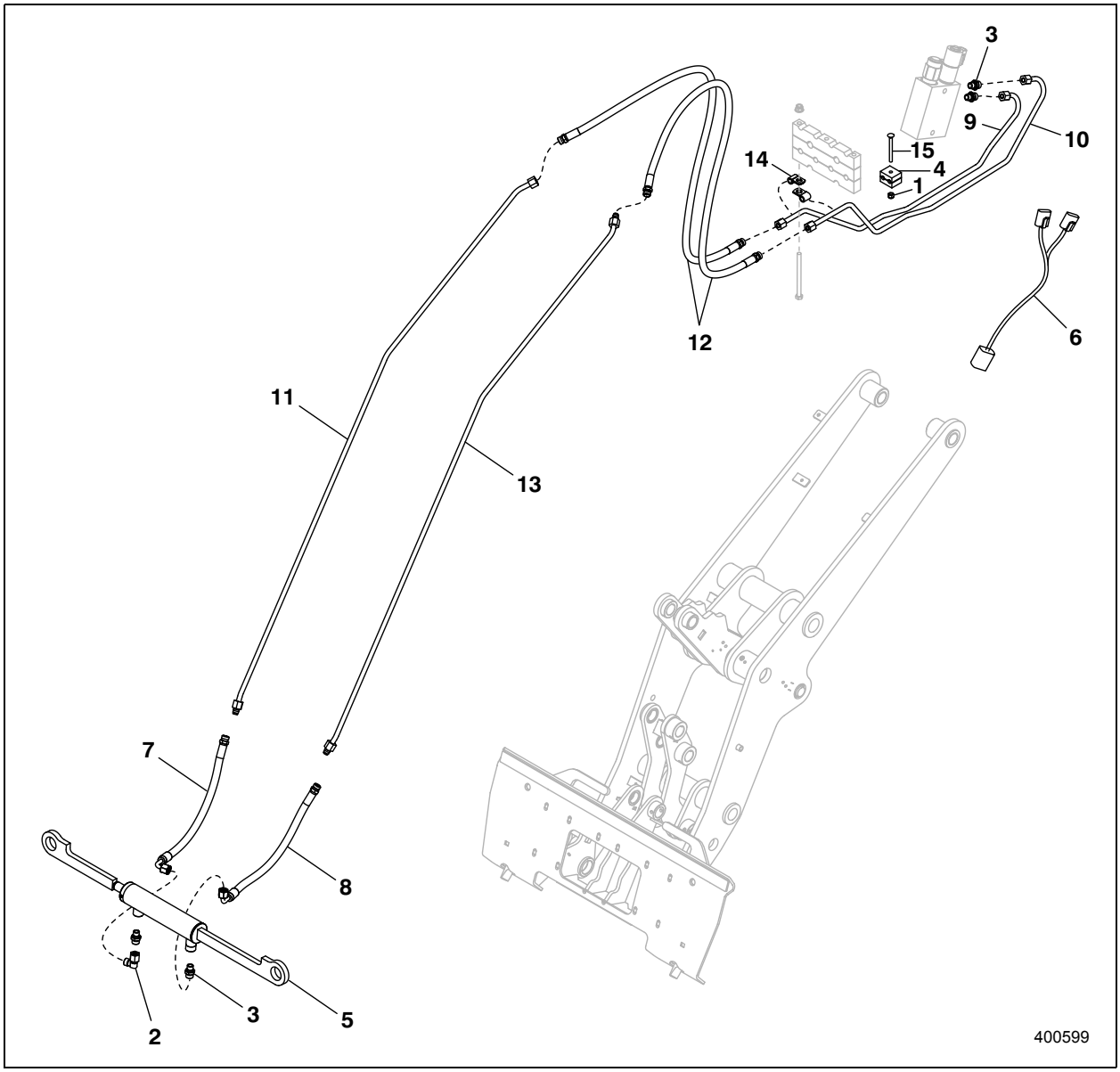
Ref. No.	Part No.	Description	Qty.
1	201463	CYL/HYD POWER-A-TACH (Includes Ref. Nos. 2-13)	1
2	202664	PISTON	1
3	202665	HEAD GLAND	1
4	202666	ROD WELDMENT	1
5	202667	LOCKNUT 1/2-20 UNF *	1
6		O-RING	1
7		O-RING	1
8		SQUARE RING	1
9		BACKUP RING, DYNAMIC	1
10		DEEP Z-SEAL	1
11		SQUARE SECT. TFE PISTON SEAL	1
12		HD ROD WIPER, SEALED OD	1
13		LOCKING INSERT	2
14	271021	KIT/SEAL (Includes Ref. Nos. 6-13)	1

*** Requires Loctite® 271 or equivalent.**



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	123554	SPRING, COMPRESSION	2
5	134594	ADAPTOR/ROD	2
6	175980	PIN/PIVOT	1
7	176187	BUSHING	2
8	273027	WDMT/ ATTACH BRKT	1
9	176666	PIN/PIVOT 50MM	2
10	183575	PIN/LATCH	2
11	201397	SPACER	2
12	201473	ADAPTOR/PUSH ROD	2

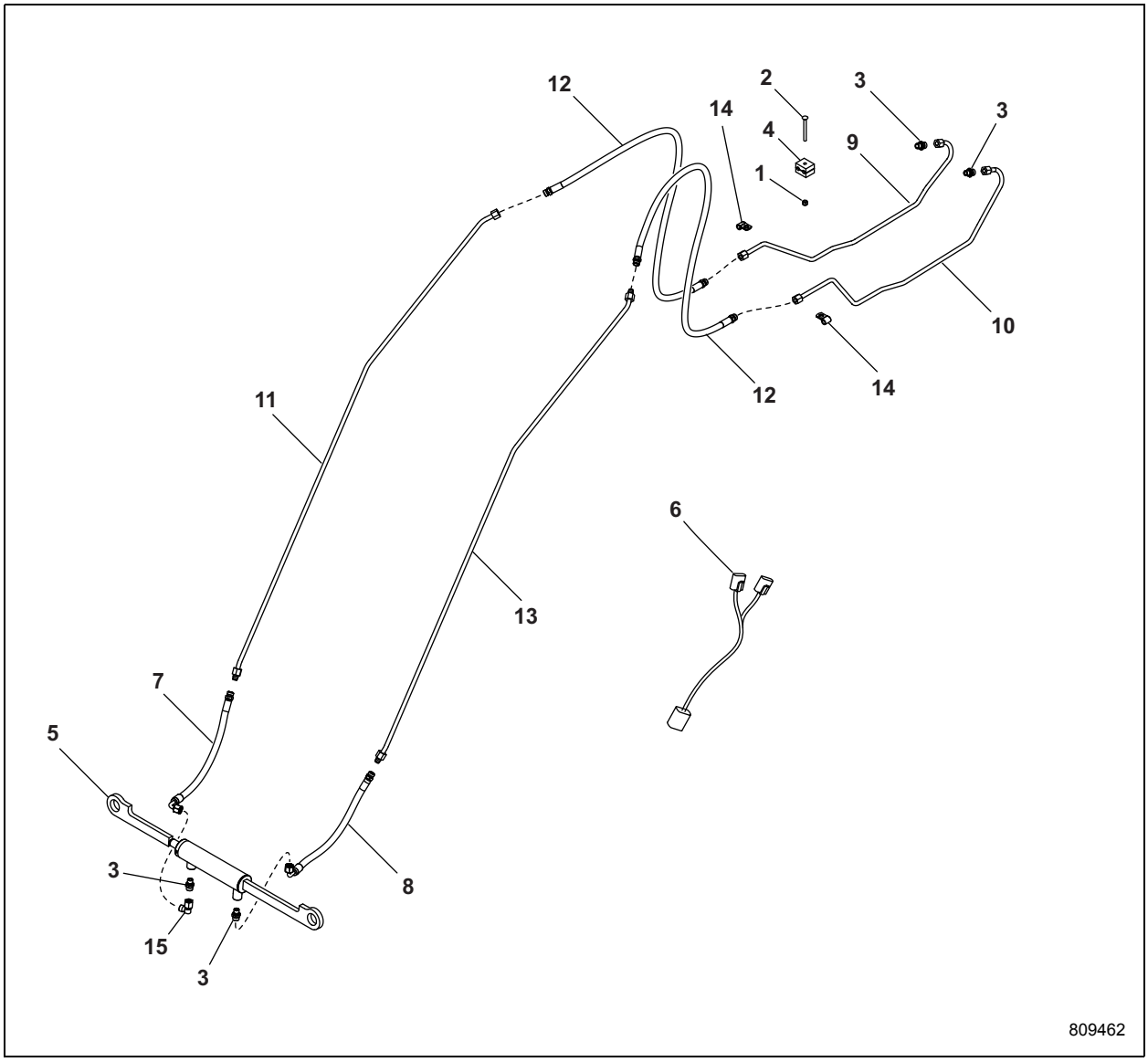
Ref. No.	Part No.	Description	Qty.
13	201474	LEVER/BUCKET PIN	2
14	080926	FW 13/32 ZY	2
15	400-30803	FW 17/32 ZY	2
16	400-32252	WASHER, CUPPED SPRING	2
17	613021	FITTING/GREASE M10X1	2
18	651239	CS 1/2X2-1/2 C8ZY	2
19	651448	LN INS M10-1.5 C8 ZY DIN6924	3
20	656015	CS M10-1.5X90 C8.8 ZY DIN931	2
21	656117	CS M10-1.5X75 C8.8 ZY DIN931	1
22	650569	CS 1/2X1-3/4 C5ZY	2



Ref. No.	Part No.	Description	Qty.
1	071401	HLN INST 1/4 CZY	1
2	176364	90 FCS10-MC10-L**	1
3	176530	ST MC10-MBSPP04-L**	4
4	194309	CLAMP/TUBE .38 TWIN	1
5	201463	CYL/HYD QUICK ATTACH	1
6	201479	HARNESS/HYD QUICK ATTACH	1
7	271882	HOSE/MP 5 X 400MM*	1
8	271885	HOSE/MP 5 X 420MM*	1
9	273702	TUBE	1
10	273705	TUBE	1
11	273815	TUBE/HYDRAULIC	1
12	273817	HOSE/MP 5 X 1143MM	1
13	273986	TUBE/HYDRAULIC	1
14	420-19671	CLAMP/HOSE .38 X .41 HOLE	2
15	651095	CB 1/4X2-3/4 C2ZY	1

*** See Page 96 for hose/o-ring information.**
**** See Page 95 for o-ring/seal/description information.**

AL 540 - ATTACHMENTS
FIELD INSTALLED POWER-A-TACH KIT



Ref. No.	Part No.	Description	Qty.
1	071401	HLN INST 1/4 CZY	1
2	651095	CB 1/4X2-3/4 C2ZY	1
3	176530	ST MC10-MBSPP04-L**	4
4	194309	CLAMP/TUBE .38 TWIN	1
5	201463	CYL/HYD QUICK ATTACH	1
6	201479	HARNESS/HYD QUICK ATTACH	1
7	271882	HOSE/MP 5 X 400MM*	1
8	271885	HOSE/MP 5 X 420MM*	1
9	273702	TUBE	1
10	273705	TUBE	1

Ref. No.	Part No.	Description	Qty.
11	273815	TUBE/HYDRAULIC	1
12	273817	HOSE/MP 5 X 1143MM	2
13	273986	TUBE/HYDRAULIC	1
14	420-19671	CLAMP/HOSE .38 X .41 HOLE	2
15	176364	90 FCS10-MC10-L**	1
16	055648	TIE STRAP (not shown)	6

*** See Page 96 for hose/o-ring information.**
**** See Page 95 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 provided in the kit. 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. After you have verified all the decals needed for replacement, place any extra decals aside for disposal.

NOTE: *Refer to the SAFETY chapter of the Operator's Manual for specific information provided on the various safety decals furnished in the decal kit(s).*

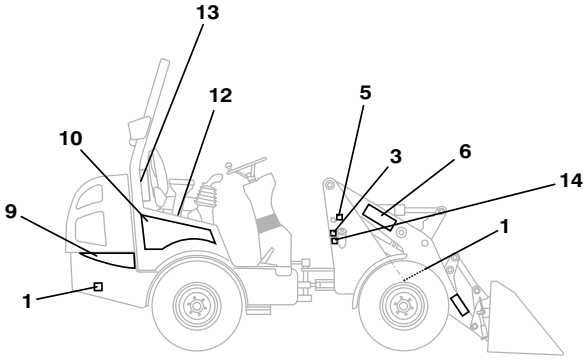
NEW DECAL APPLICATION

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.

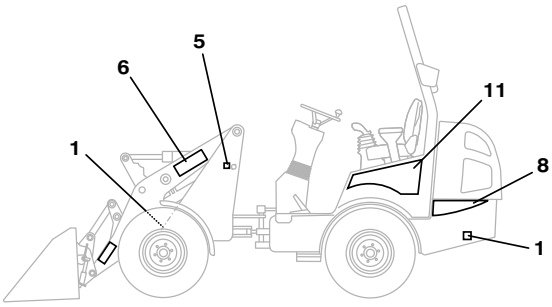
CAUTION

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.

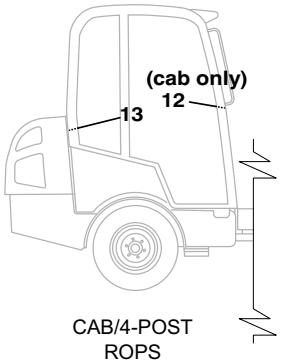
AL 540 - DECALS
COMMON DECALS



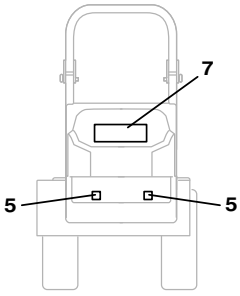
RIGHT



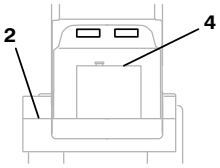
LEFT



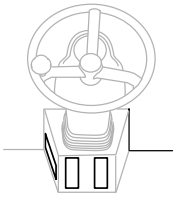
CAB/4-POST ROPS



BACK



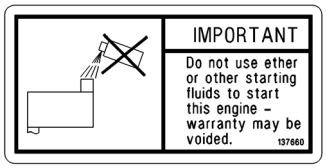
INSIDE ENGINE COMPARTMENT



CONTROL COLUMN

1

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

4 

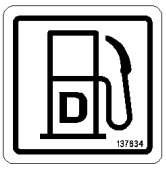
Located on top of the radiator

2

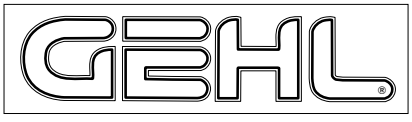
Located next to the hydraulic fluid reservoir filler neck

5

Located on top of the radiator

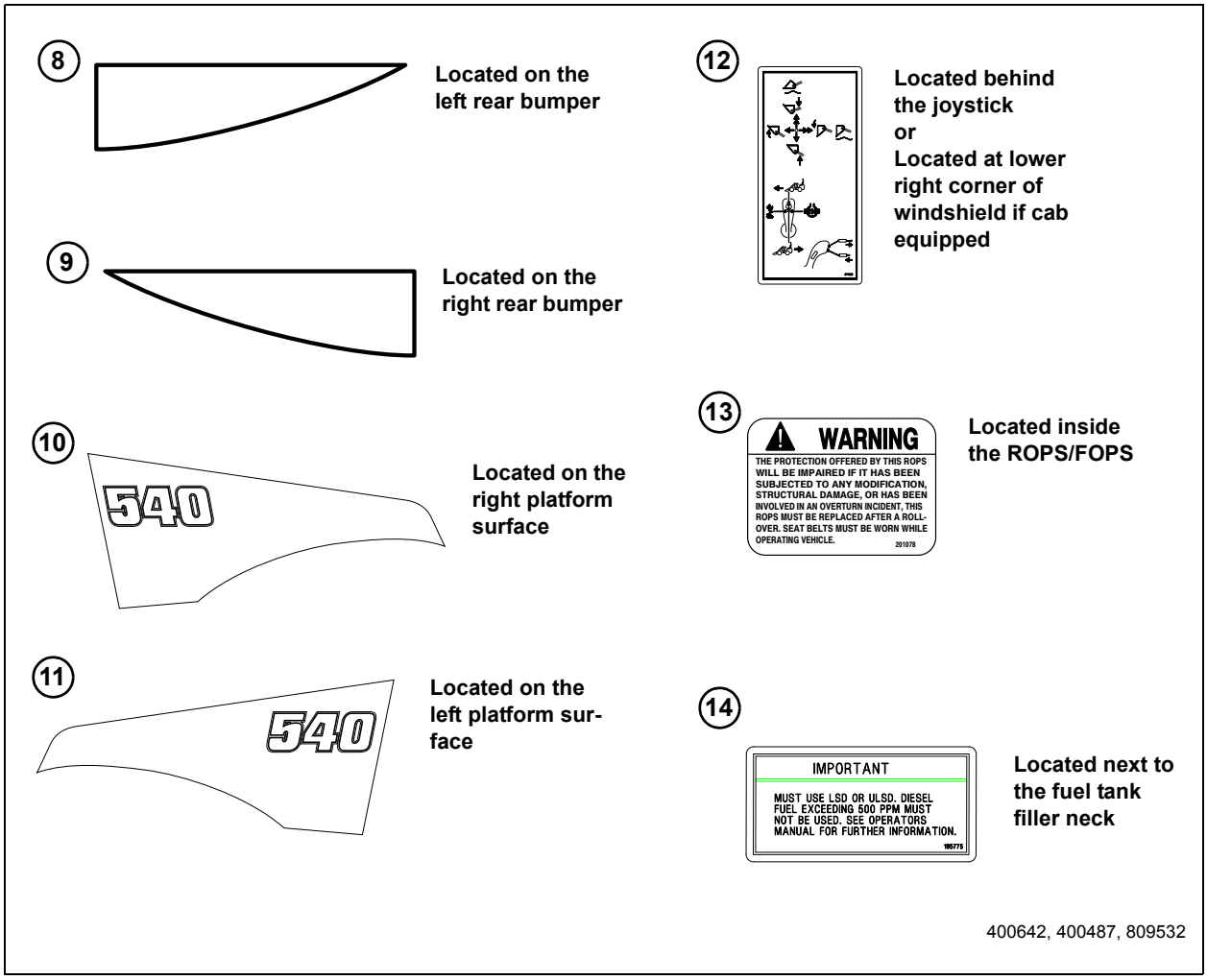
3 

Located next to the fuel tank filler neck

6
7 

Located on the lift arms

400642, 400487, 809532

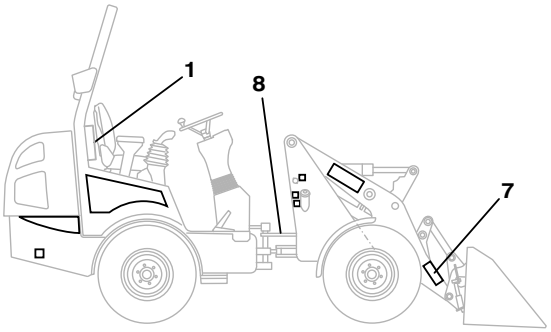


400642, 400487, 809532

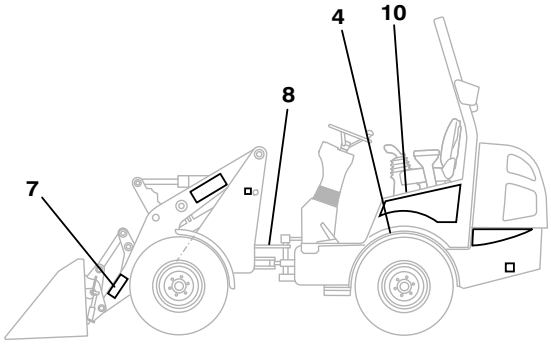
Ref. No.	Part No.	Description	Qty.
1	104945	DECAL/TIE DOWN	4
2	137632	DECAL/HYDRAULIC OIL	1
3	137634	DECAL/DIESEL FUEL	1
4	137660	DECAL, ETHER	1
5	104946	DECAL/ LIFT POINT	2
6	183963	DECAL/GEHL 3.75 X 15.92	2
7	184306	DECAL/GEHL 4.75 X 20.16	1
8	270102	DECAL/TRIANGLE LH	1
9	270103	DECAL/TRIANGLE RH	1
10	270010	DECAL/MODEL AL540 RH	1

Ref. No.	Part No.	Description	Qty.
11	270102	DECAL/MODEL AL540 LH	1
12	274259	DECAL/JOYSTICK	1
13	201078	DECAL/WARNING	1
14	195775	DECAL/FUEL/SULFUR	1

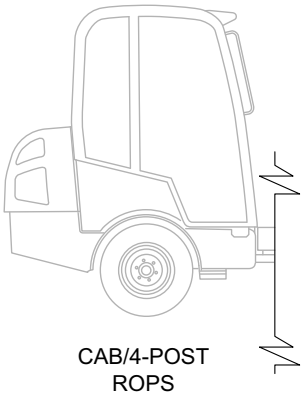
AL 540 - DECALS
ANSI-STYLE DECALS



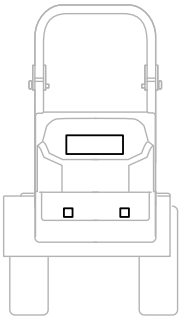
RIGHT



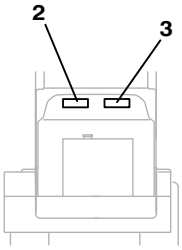
LEFT



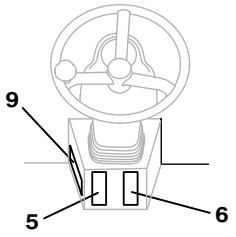
CAB/4-POST ROPS



BACK

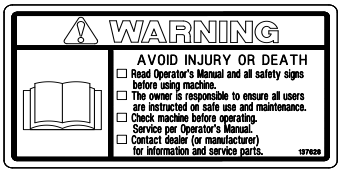


INSIDE ENGINE COMPARTMENT



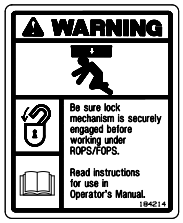
CONTROL COLUMN

1



Located behind the operator's seat on the document box

4

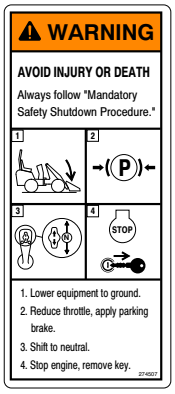


Located under the platform on the left rear wheel well

2

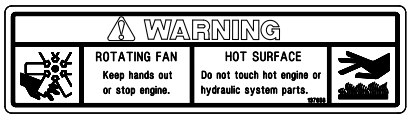
Located on the firewall inside the engine compartment

5



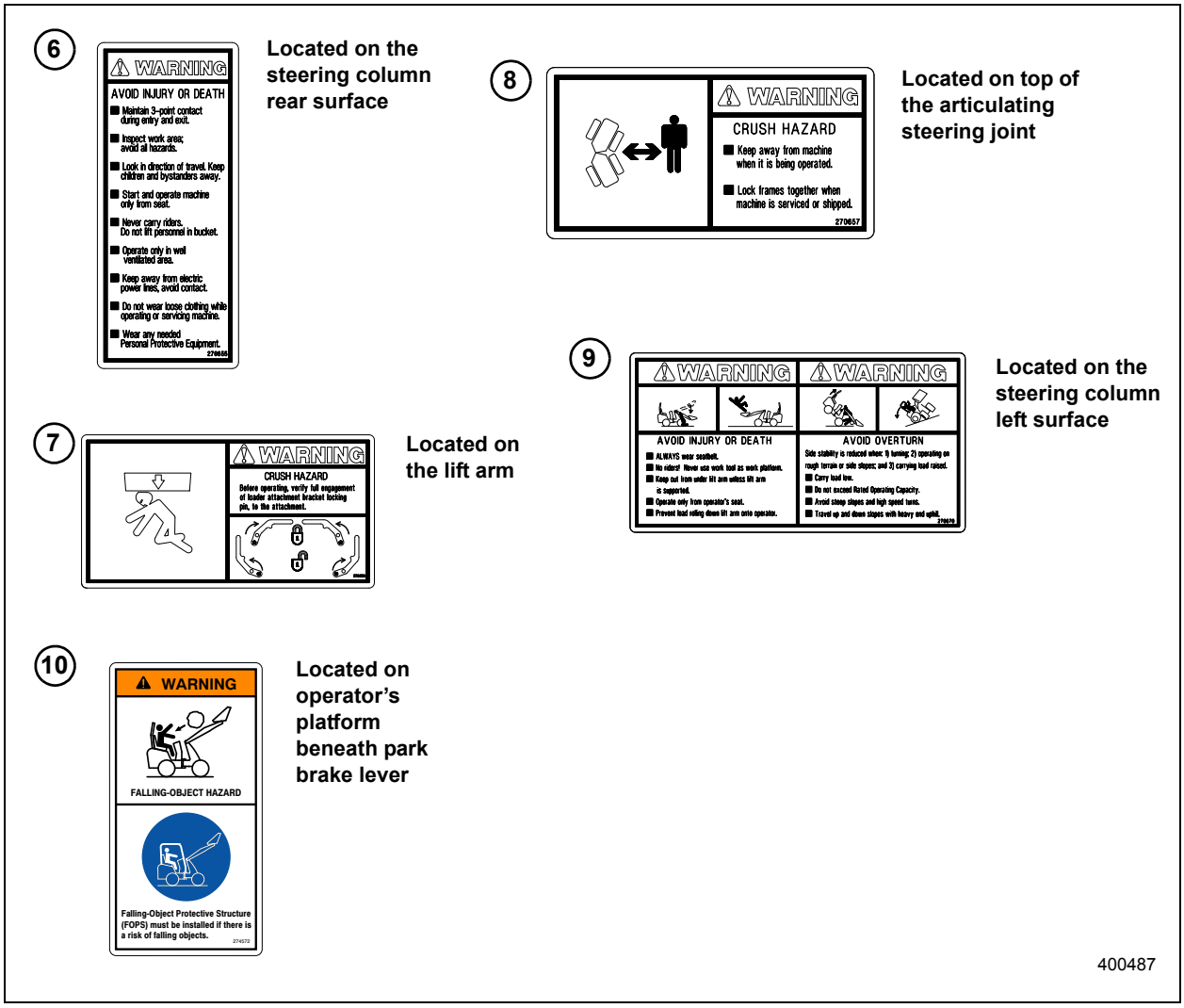
Located on the steering column left surface

3

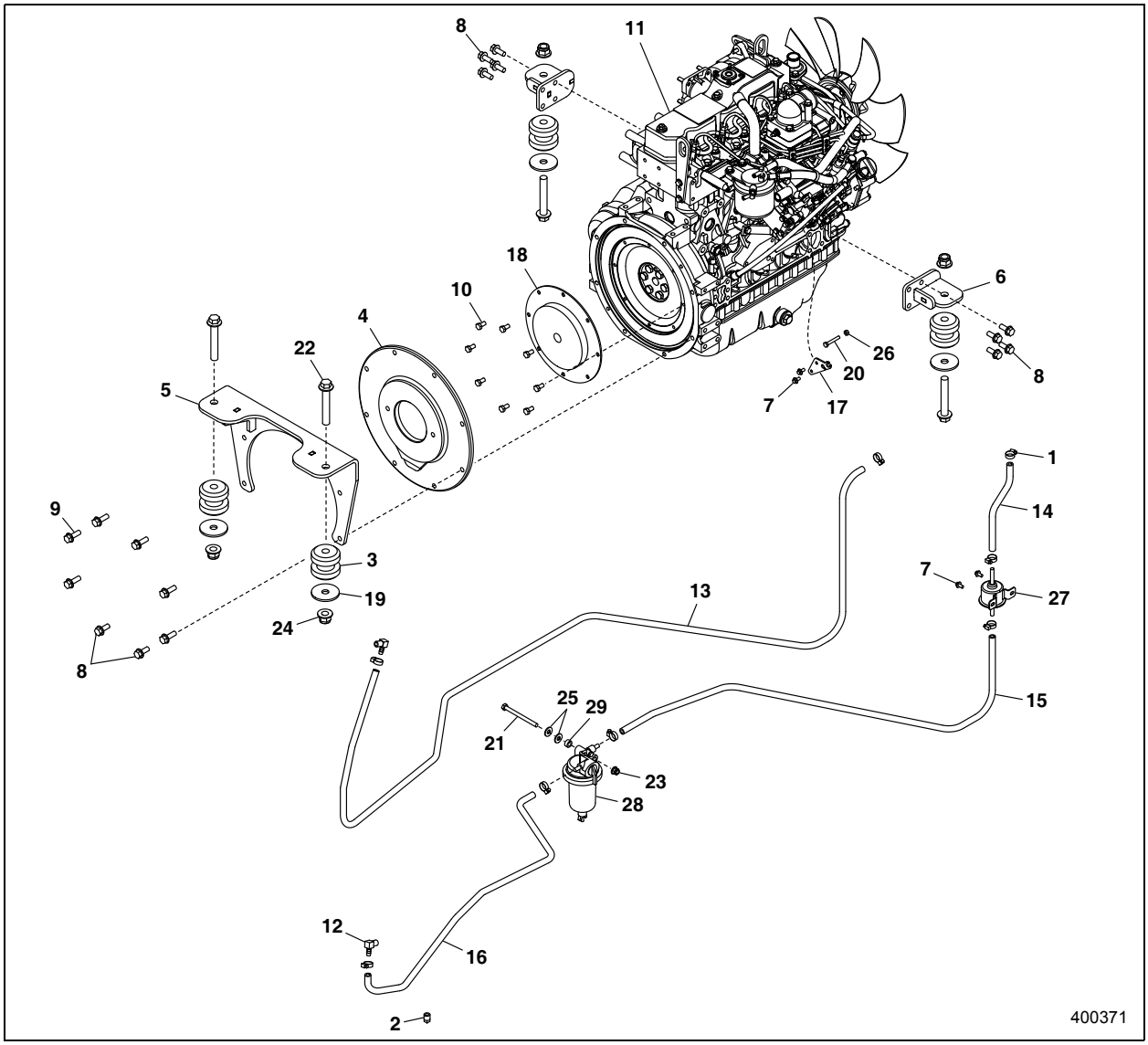


Located on the firewall inside the engine compartment

400487

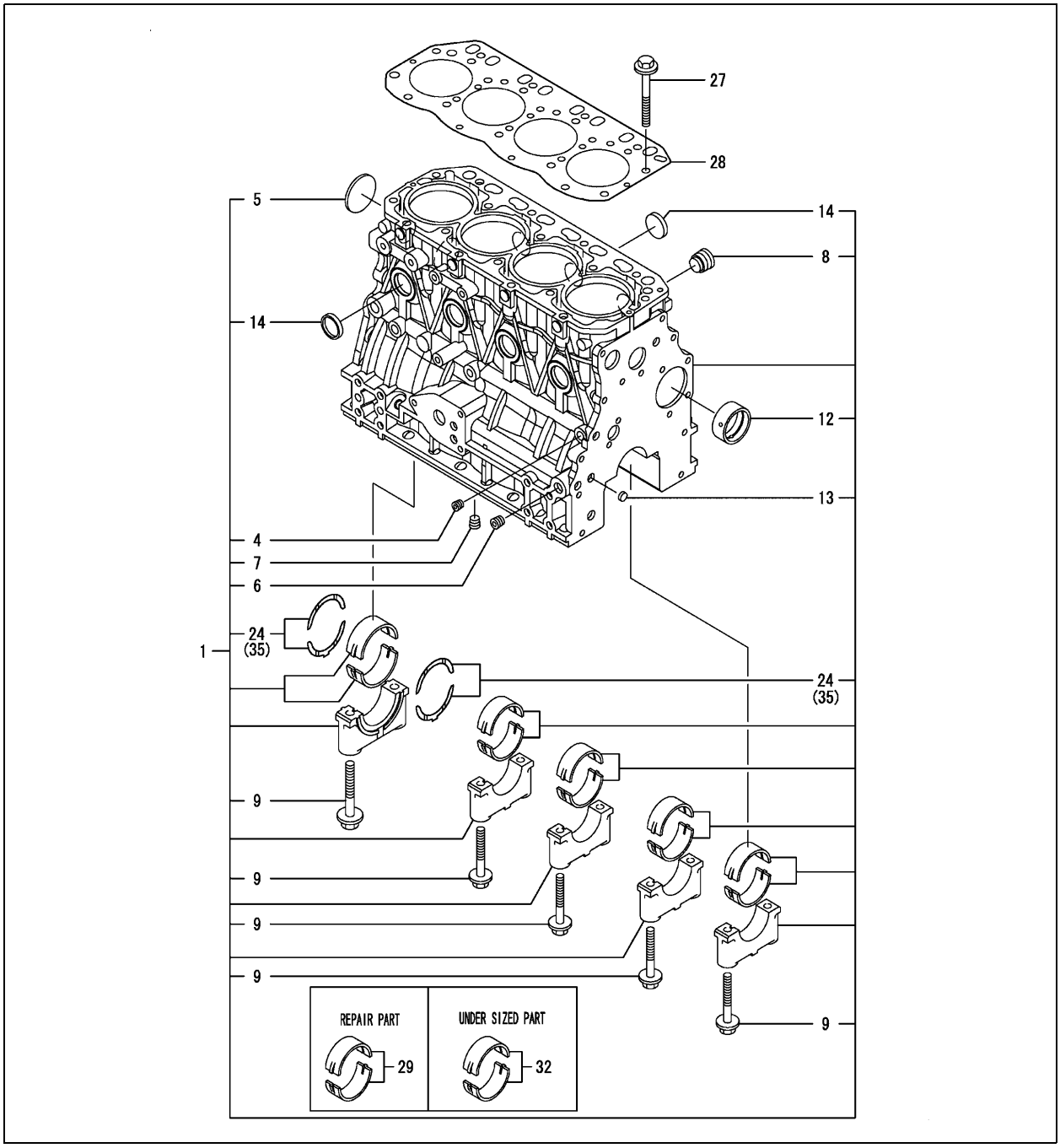


Ref. No.	Part No.	Description	Qty.
1	137628	DECAL, WARNING MANUAL	1
2	137657	DECAL, WARNING GENERAL	1
3	137658	DECAL, DANGER HOT SURFACE	1
4	184214	DECAL/WARNING ROPS	1
5	274507	DECAL/SAFETY SHUTDOWN	1
6	270655	DECAL/WARNING GENERAL	1
7	270656	DECAL/ATTACHMENT BRACKET	2
8	270657	DECAL/CRUSHING WARNING	2
9	273706	DECAL/WARNING GENERAL	2
10	274572	DECAL/FOPS	1



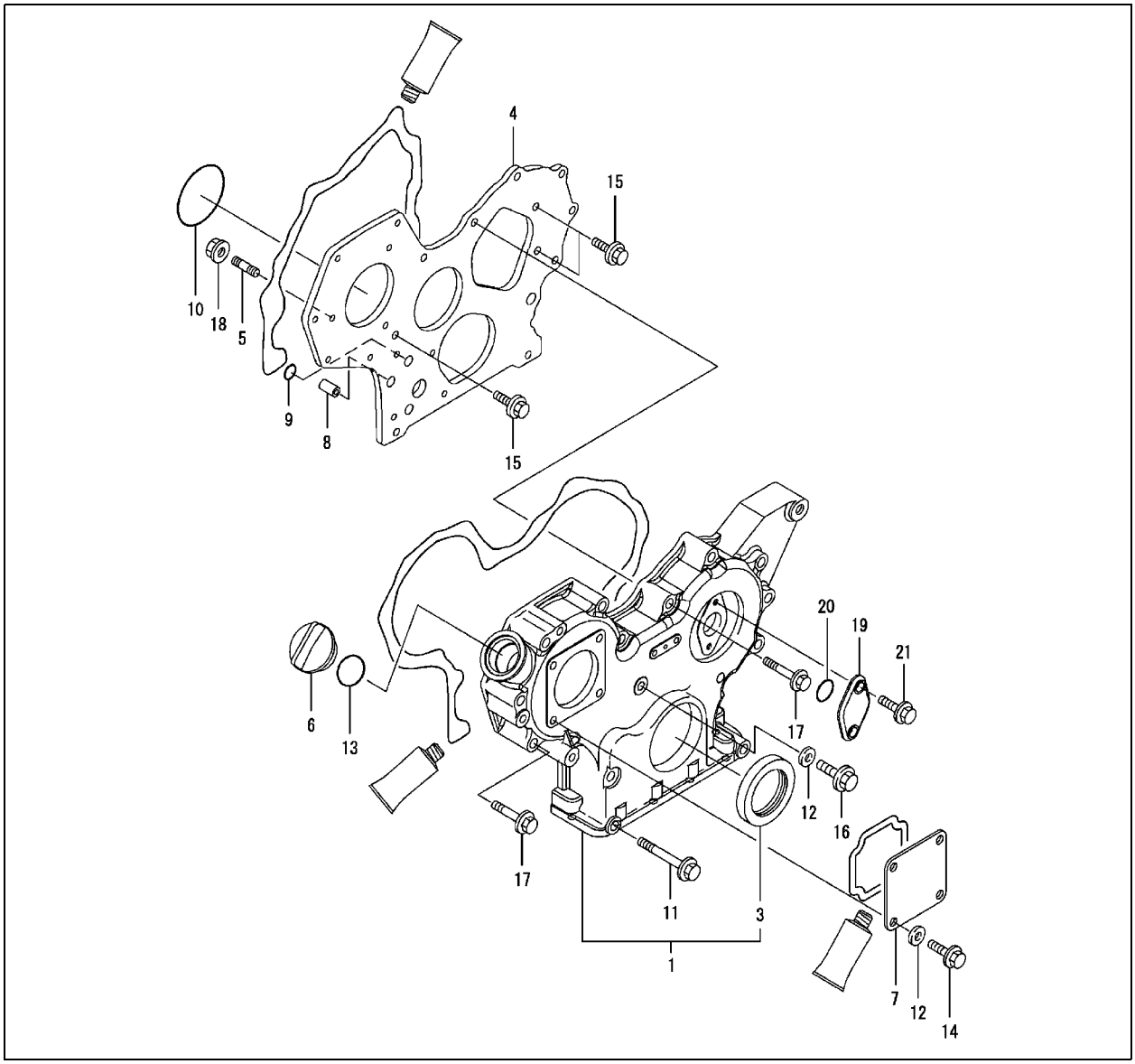
Ref. No.	Part No.	Description	Qty.
1	062023	CLAMP/HOSE #M5 1800	8
2	L72019	PLUG/PIPE .25	1
3	137063	ISOLATOR -11 RED-WHITE	4
4	160-32740	PLATE, PUMP MOUNT	1
5	176076	WDMT/FRONT MOTOR MOUNT	1
6	176203	WDMT/REAR ENGINE MOUNT	2
7	176651	CS FL M6-1.00X12 C8.8ZY SP DIN1662	4
8	176653	CS FLH M10-1.5X25 C8.8ZY SP DIN1665 *	10
9	176654	CS FLH M10-1.5X30 C8.8ZY SP DIN1665 *	6
10	176658	CS M8-1.25X16 C8.8ZY SP DIN931	8
11	176803	ENGINE ASSEMBLY (4TNV88)	1
12	186080	FITTING 5/16 BARB/ 90°	2
13	201049	FUEL LINE RETURN	1
14	201053	FUEL LINE FILTER-PUMP	1
15	201054	FUEL LINE FILTER-PUMP	1
16	201055	FUEL LINE SEPARATOR-TANK	1
17	201110	THROTTLE CABLE BRACKET	1
18	250-32577	DRIVE PLATE, FLEXIBLE	1
19	400-21568	WASHER (PLATED)	4
20	651662	CS M6-1.00X40 C8.8 ZY DIN931	1
21	651681	CS M8-1.25X100 C8.8 ZY DIN931	1
22	651703	CS FL M16-2.00X100 C8.8 ZY DIN1662	4
23	651706	LN INST FL M8-1.25 C8 ZY DIN6926	1
24	651709	LN INST FL M16-2.00 C8 ZY DIN6926	4
25	654004	FW 5/16 AWZY	2
26	656047	HN M6-1 C8 ZY DIN934	1
27	186308	PUMP ASSY FUEL FEED	1
28	270980	SEPARATOR ASSY	1
29	091716	SPACER	1

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



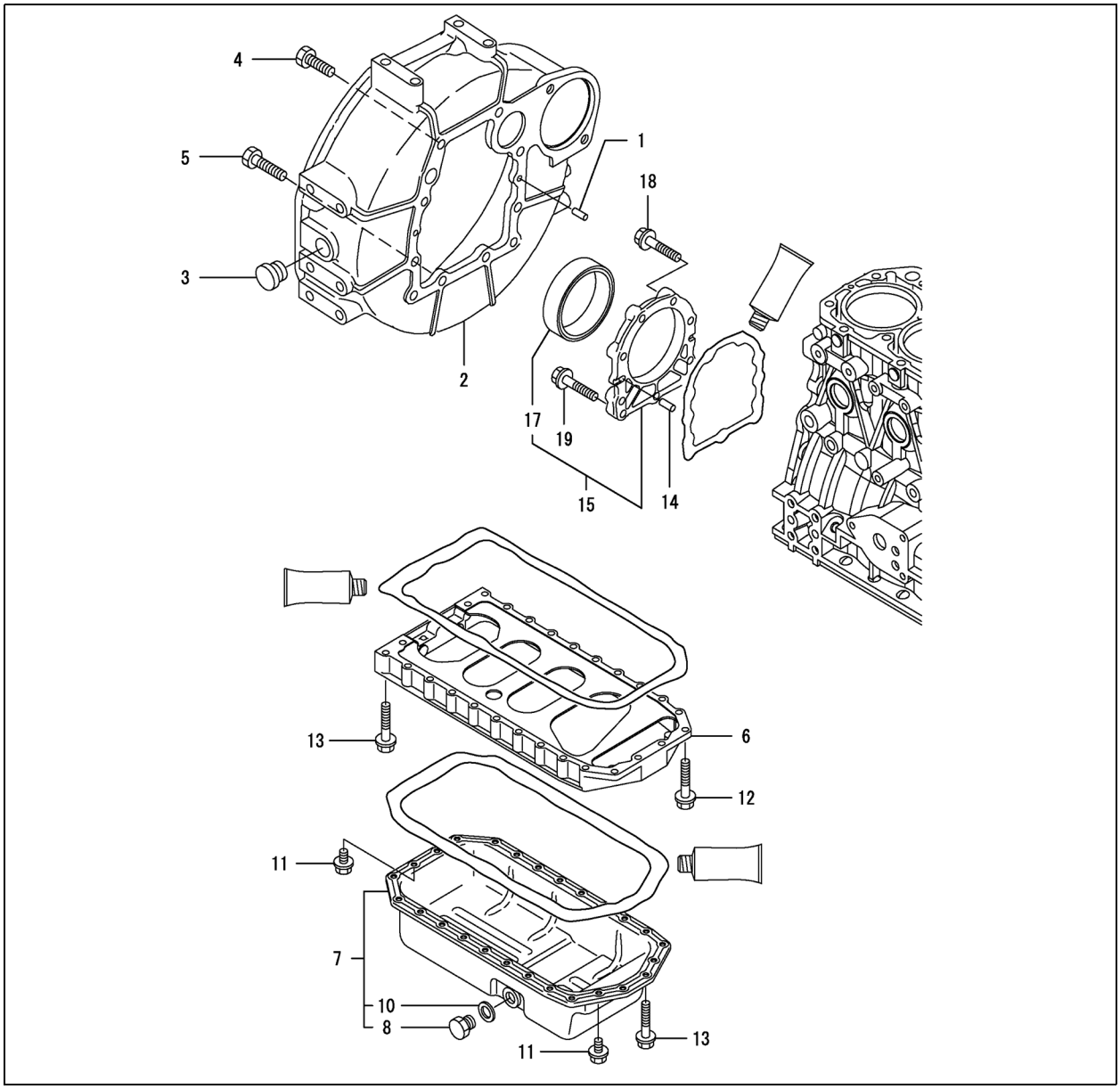
Ref. No.	Part No.	Description	Qty.
1	188768	CYLINDER BLOCK ASSEMBLY	1
4	425-34723	PIPE THREAD PLUG 1/8"	1
5	425-36240	PLUG	1
6	425-34721	PIPE THREAD PLUG 1/4"	2
7	425-34721	PIPE THREAD PLUG 1/4"	1
8	425-34722	PLUG	1
9	425-34730	BOLT	10
12	425-34732	BUSH, CAMSHAFT	1
13	425-34725	PLUG 12	2

Ref. No.	Part No.	Description	Qty.
14	425-34726	PLUG 30	8
24	425-34731	THRUST BEARING	2
27	425-34638	CYLINDER HEAD BOLT	18
28	425-36006	CYLINDER HEAD GASKET	1
29	425-35931	MAIN BEARING SET (2)	5
32	425-34734	MAIN BEARING (US=0.25)	5
35	425-34735	THRUST BEARING SET (OS=0.25)	1



Ref. No.	Part No.	Description	Qty.
1	197755	GEAR CASE ASSY	1
3	270946	OIL SEAL	1
4	197771	GEAR CASE FLANGE	1
5	270948	STUD M8 X 25	3
6	425-34740	FILLER CAP	1
7	425-34741	COVER	1
8	425-34743	KNOCK PIPE	2
9	188452	O-RING P16	2
10	425-34681	GEAR HOUSING O-RING	1
11	188537	BOLT M8 X 85	3
12	425-34750	SEAL WASHER 8S	5

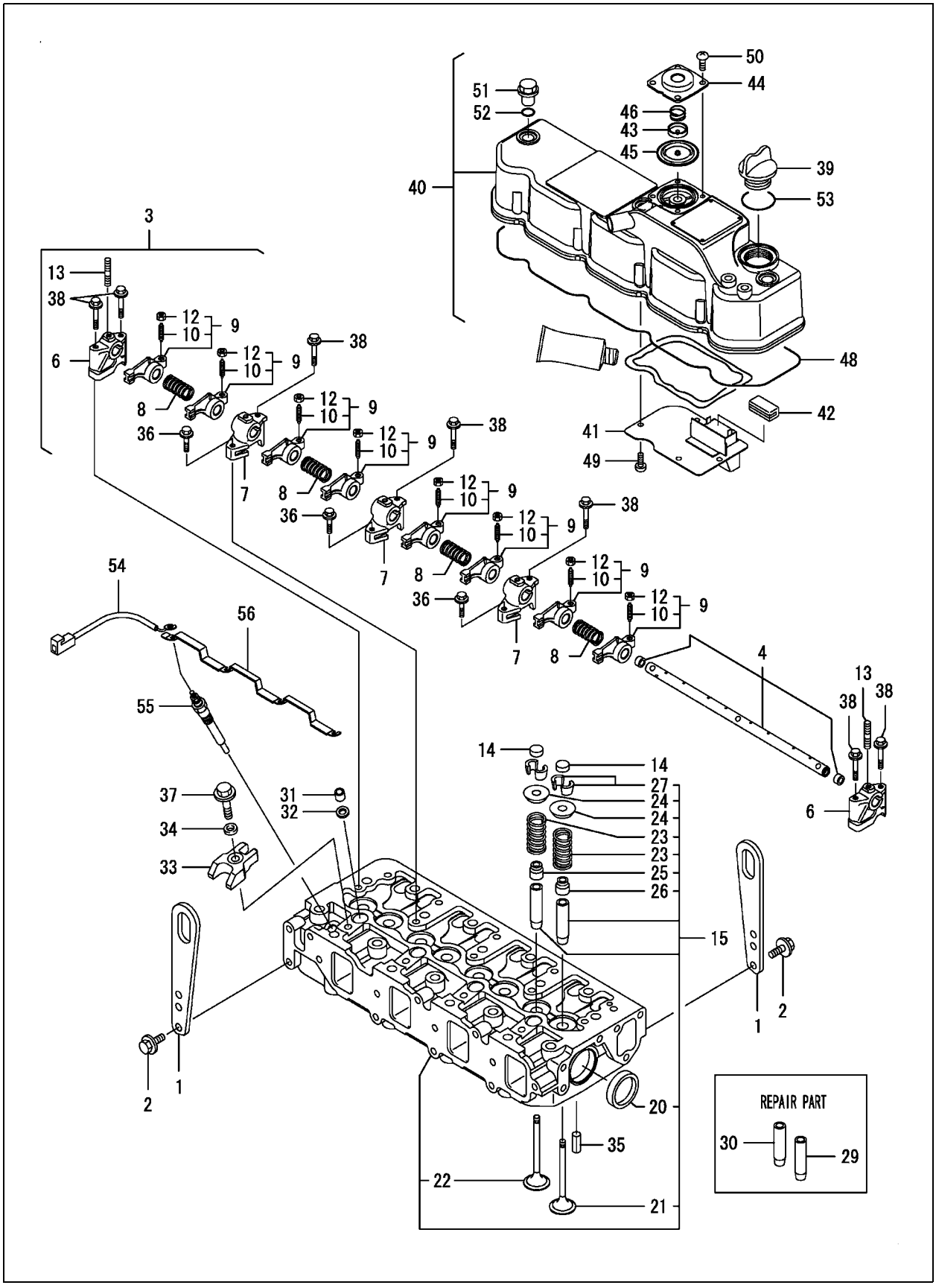
Ref. No.	Part No.	Description	Qty.
13	425-34745	O-RING 1A P-32.0	1
14	425-34733	BOLT M8 X 16 PLATED	4
15	425-34733	BOLT M8 X 16 PLATED	3
16	425-34760	BOLT M8 X 30 PLATED	1
17	425-34748	BOLT M8 X 55 PLATED	12
18	138140	NUT	3
19	270949	BLIND COVER	1
20	425-34763	O-RING 1A S-24.0	1
21	425-35164	BOLT M6 X 16 PLATED	2



Ref. No.	Part No.	Description	Qty.
1	188573	PARALLEL PIN 8 X 16	2
2	425-34754	FLYWHEEL HOUSING	1
3	425-34756	FILLER CAP	1
4	188749	BOLT M10 X 25	6
5	188750	BOLT M10 X 30	4
6	425-34764	OIL PAN SPACER	1
7	425-36087	OIL PAN ASSY	1
8	425-36121	SCREW	1
10	138113	SEAL WASHER	1
11	425-34733	BOLT M8 X 16 PLATED	4

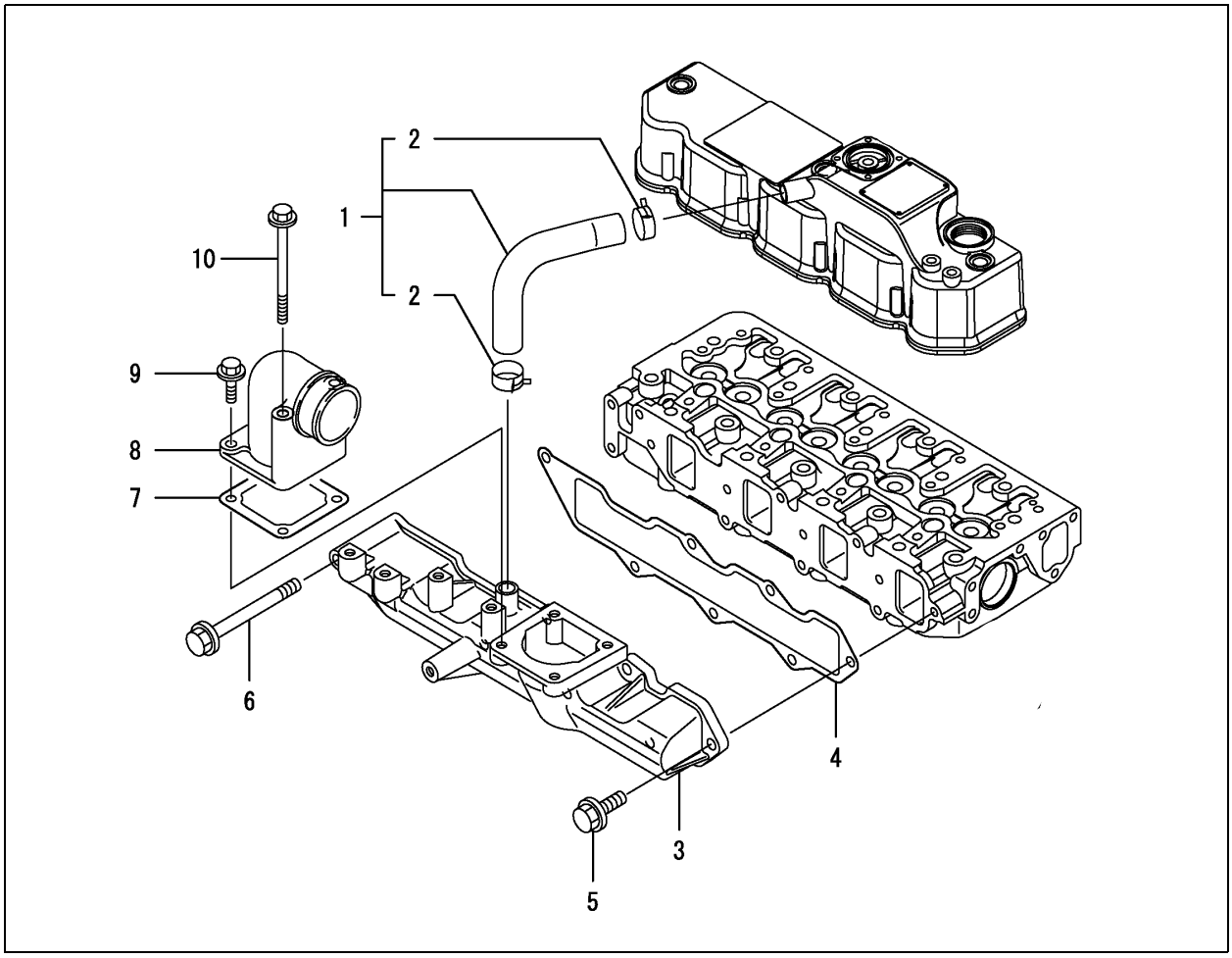
Ref. No.	Part No.	Description	Qty.
12	425-34765	BOLT M8 X 25 PLATED	2
13	425-34747	BOLT M8 X 45 PLATED	24
14	188573	PARALLEL PIN 8 X 16	2
15	188574	OIL SEAL CASE ASSY	1
17	425-34759	OIL SEAL	1
18	188640	COLLARHEAD BOLT M8 X 30	6
19	425-34761	BOLT M8 X 35 PLATED	3

AL 540 - ENGINE
CYLINDER HEAD AND COVER



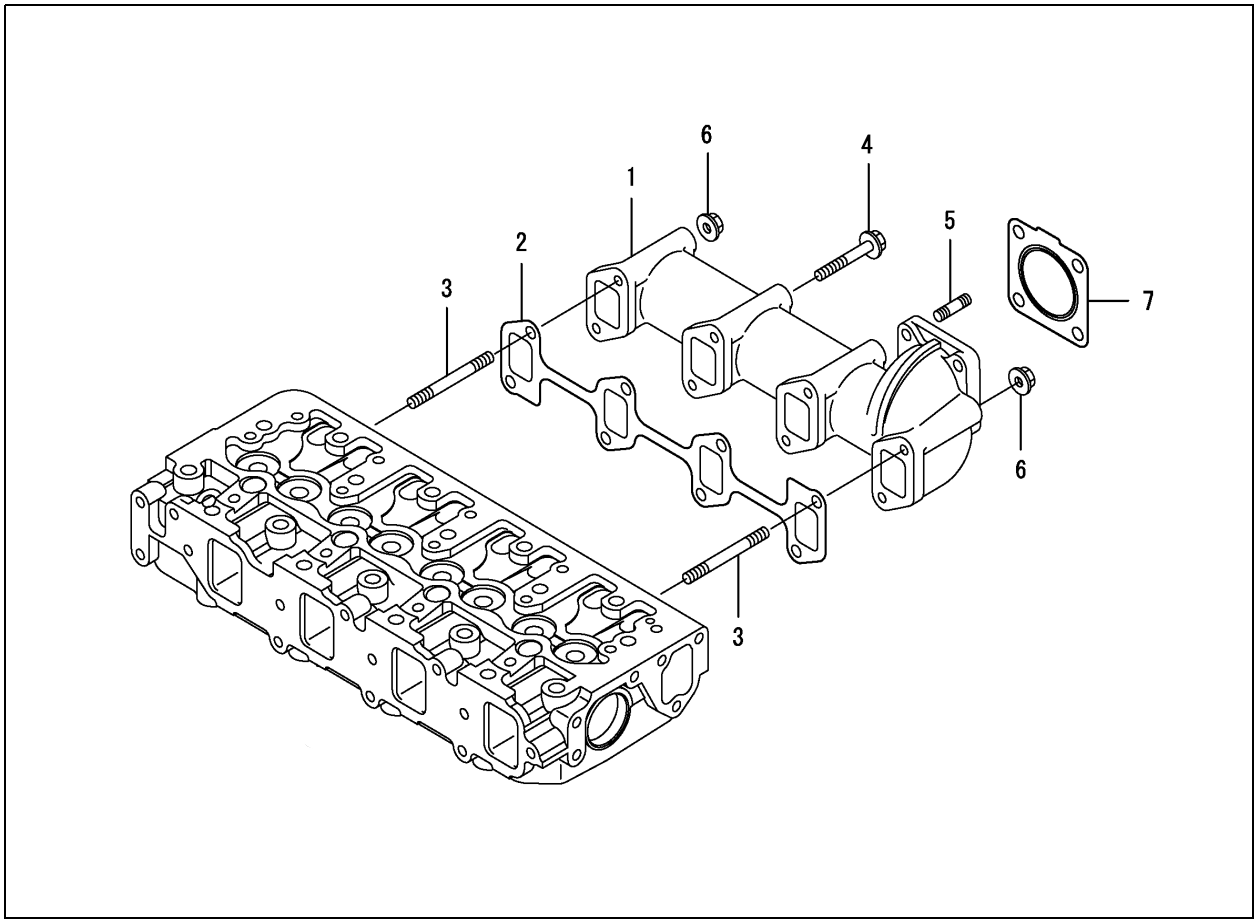
Ref. No.	Part No.	Description	Qty.
1	188679	LIFT BRACKET	2
2	425-34733	BOLT M8 X 16 PLATED	4
3	188655	ROCKER SHAFT ASSY	1
4	188656	SHAFT	1
6	188470	ROCKER ARM SUPPORT	2
7	188471	ROCKER ARM SUPPORT	3
8	188597	SPRING	4
9	188544	ROCKER ARM ASSY	8
10	188596	VALVE SCREW	8
12	425-34791	NUT M8 X P-1.0	8
13	425-34793	STUD M8 X 18 PLATED	3
14	425-34782	VALVE CAP	8
15	197811	CYLINDER HEAD ASSY	1
20	425-34779	PLUG 40	2
21	188559	INTAKE VALVE	4
22	425-34639	EXHAUST VALVE	4
23	425-34643	VALVE SPRING	8
24	425-34644	SPRING RETAINER	8
25	188507	VALVE STEM SEAL	4
26	425-34645	VALVE STEM SEAL	4
27	425-34646	RETAINER	8
29	425-34642	SUCTION VALVE GUIDE	4
30	425-34641	EXHAUST VALVE GUIDE	4
31	186337	NOZZLE GUARD	4
32	425-34796	SEAL	4
33	188545	NOZZLE RETAINER	4
34	188502	WASHER	4
35	425-34783	SPRING PIN 6 X 12	2
36	425-34765	BOLT M8 X 25 PLATED	3
37	425-34761	BOLT M8 X 35 PLATED	4
38	425-34766	BOLT M8 X 50 PLATED	7
39	425-34740	FILLER CAP	1
40	188658	VALVE COVER ASSY	1
41	188539	BAFFLE PLATE	1
42	425-34769	BAFFLE	1
43	188465	DIAPHRAGM PLATE	1
44	188466	DIAPHRAGM COVER	1
45	188467	DIAPHRAGM	1
46	188469	DIAPHRAGM SPRING	1
48	188657	VALVE COVER GASKET	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	270953	GLOW PLUG HARNESS	1
55	270951	GLOW PLUG	4
56	197847	GLOW PLUG CONNECTOR	1

INTAKE MANIFOLD



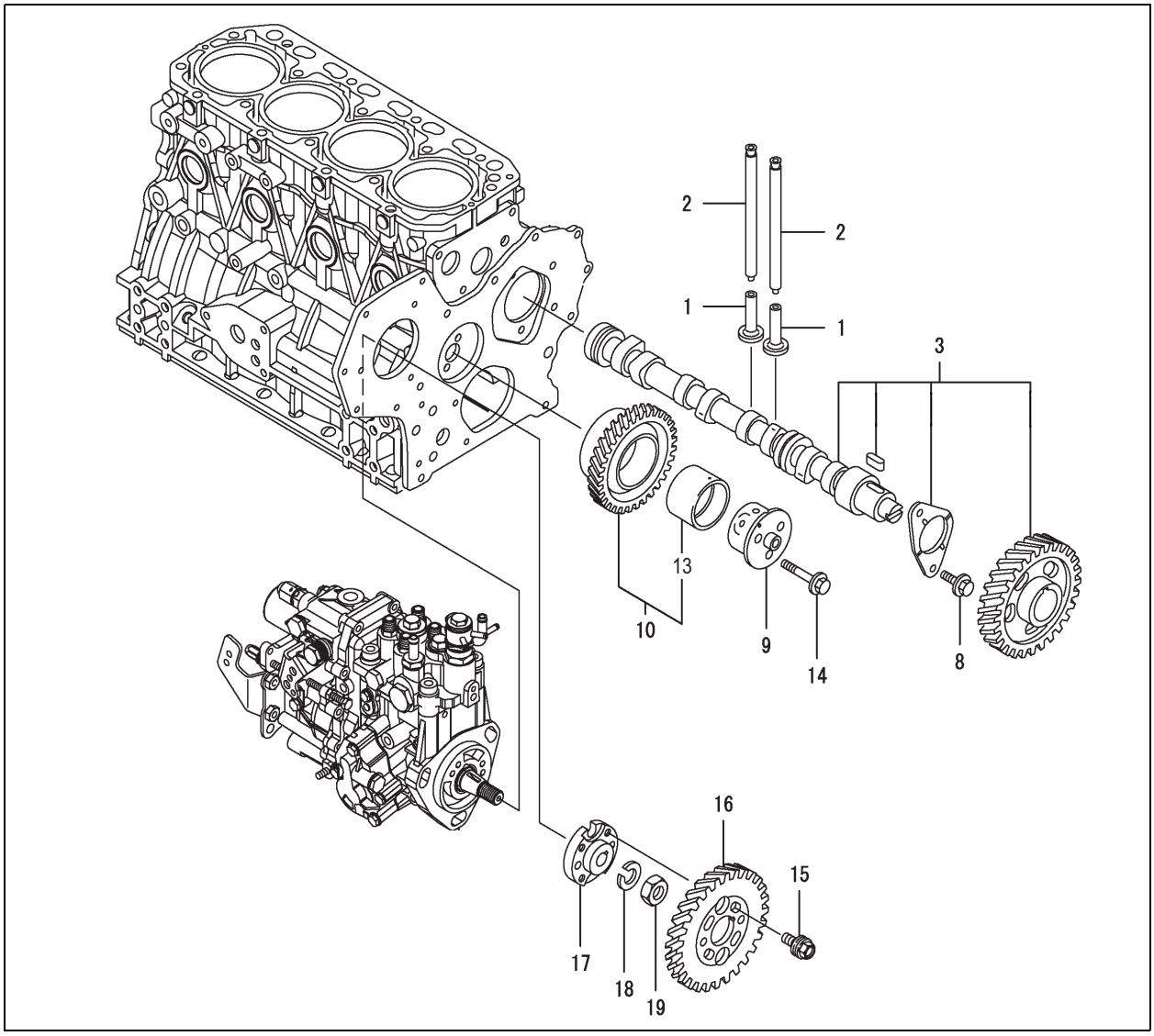
Ref. No.	Part No.	Description	Qty.
1	188558	BREATHER PIPE	1
2	188632	CLAMP 24	2
3	192303	INTAKE MANIFOLD	1
4	425-35934	INTAKE MANIFOLD GASKET	1
5	425-34746	BOLT M8 X 20 PLATED	6
6	425-34800	BOLT M8 X 80 PLATED	1

Ref. No.	Part No.	Description	Qty.
7	425-34649	AIR HEATER GASKET	1
8	270954	AIR INTAKE JOINT	1
9	425-34746	BOLT M8 X 20 PLATED	2
10	425-34800	BOLT M8 X 80 PLATED	2



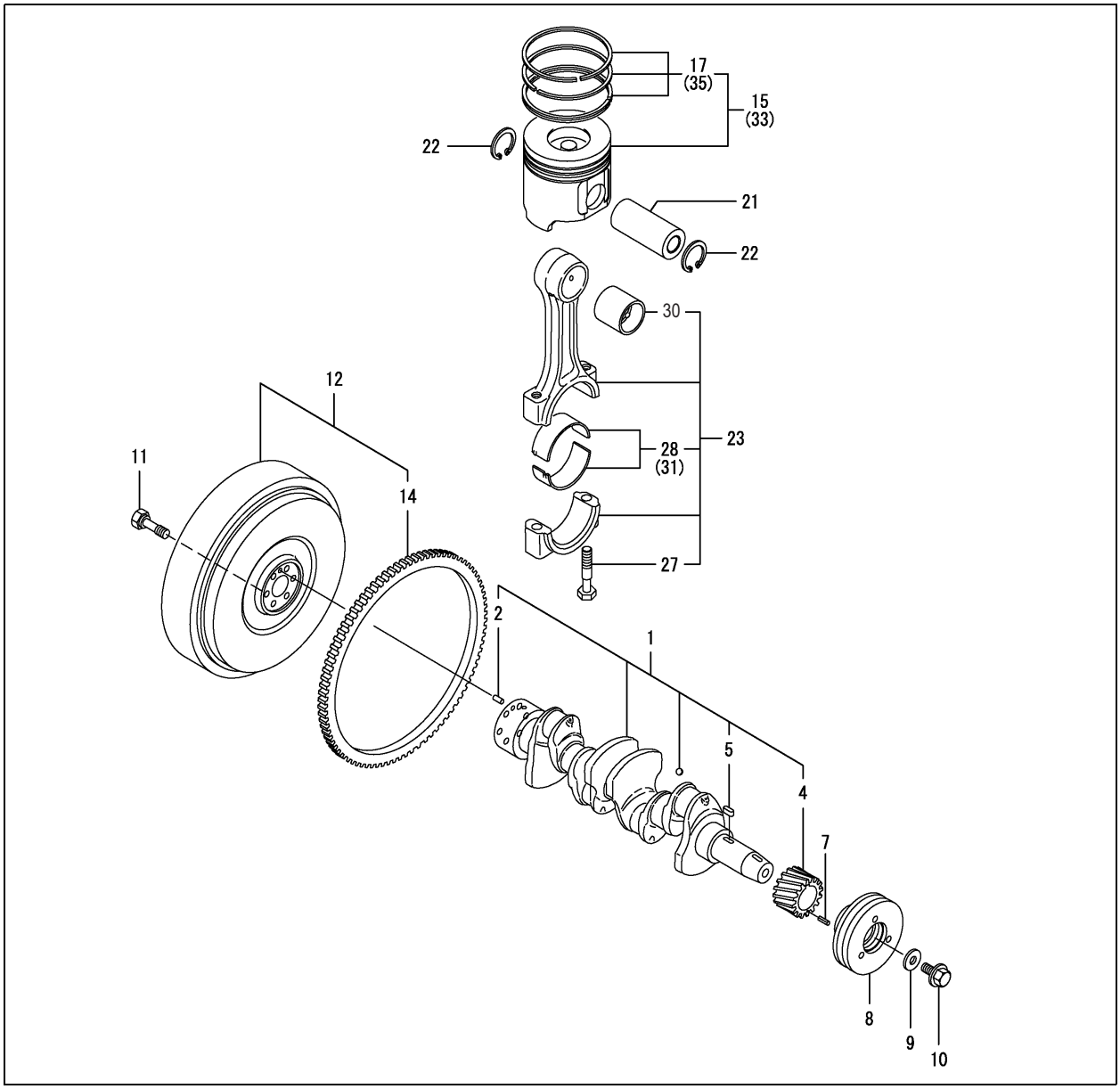
Ref. No.	Part No.	Description	Qty.
1	425-34799	EXHAUST MANIFOLD	1
2	425-34653	MANIFOLD GASKET	1
3	138474	STUD BOLT M 8X80	2
4	186375	BOLT 8 X 80	6

Ref. No.	Part No.	Description	Qty.
5	425-36249	BOLT M8 X 22	4
6	138140	NUT	2
7	138104	MUFFLER GASKET	1



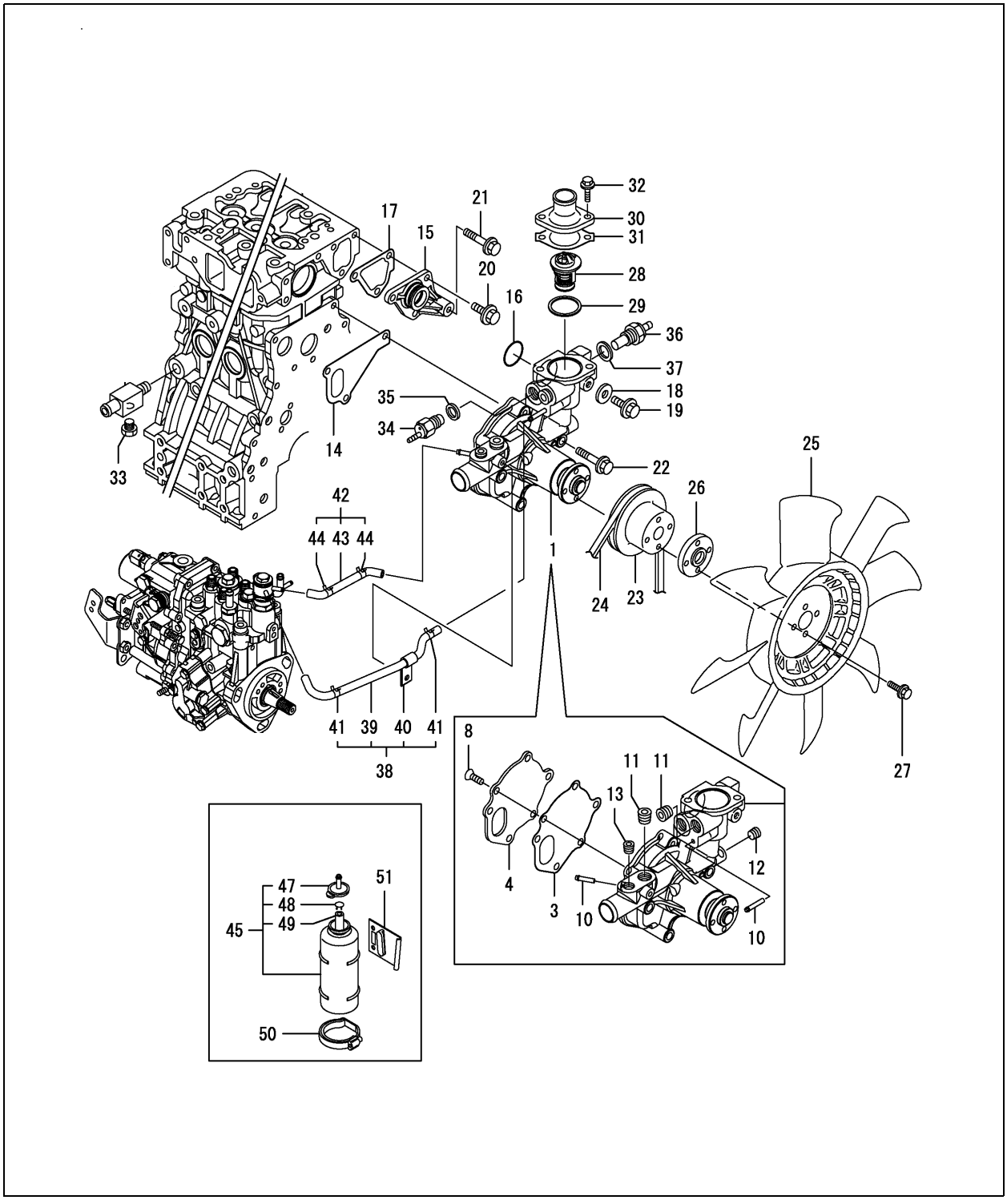
Ref. No.	Part No.	Description	Qty.
1	425-34808	TAPPET	8
2	188603	PUSH ROD	8
3	425-34806	CAMSHAFT ASSEMBLY	1
8	188736	BOLT/M8X14PLATED	2
9	270956	IDLER GEAR SHAFT	1
10	270957	IDLER GEAR ASSY (Includes Ref. No. 13)	1
13	270958	IDLER GEAR BUSHING	1

Ref. No.	Part No.	Description	Qty.
14	425-34805	BOLT M8 X 40 PLATED	3
15	425-36187	BOLT	4
16	188479	INJECTION PUMP GEAR	1
17	188692	FLANGE	1
18	188712	SPRING WASHER14	1
19	188755	LOCK NUT M14 PLATED	1



Ref. No.	Part No.	Description	Qty.
1	197851	CRANKSHAFT ASSY	1
2	188573	PARALLEL PIN 8 X 16	1
4	270960	CRANKSHAFT GEAR	1
5	425-34810	KEY 7 X 14	1
7	138117	SPRING PIN	1
8	188475	CRANKSHAFT V-PULLEY	1
9	425-34817	WASHER	1
10	425-34818	BOLT	1
11	425-34693	FLYWHEEL BOLT	6
12	188707	FLYWHEEL ASSY	1
14	425-34694	RING GEAR	1
15	188562	PISTON ASSY	4

Ref. No.	Part No.	Description	Qty.
17	188563	RING SET	4
21	425-35936	PISTON PIN	4
22	425-35937	CIRCLIP 26	8
23	425-34698	CONNECTING ROD ASSY	4
27	425-34659	ROD BOLT	8
28	270961	ROD BEARING SET	4
30	425-34699	PISTON PIN BUSHING	4
31	270962	ROD BEARING SET (US=0.25)	4
33	188564	PISTON ASSY (OS=0.25)	4
35	188565	RING SET (OS=0.25)	4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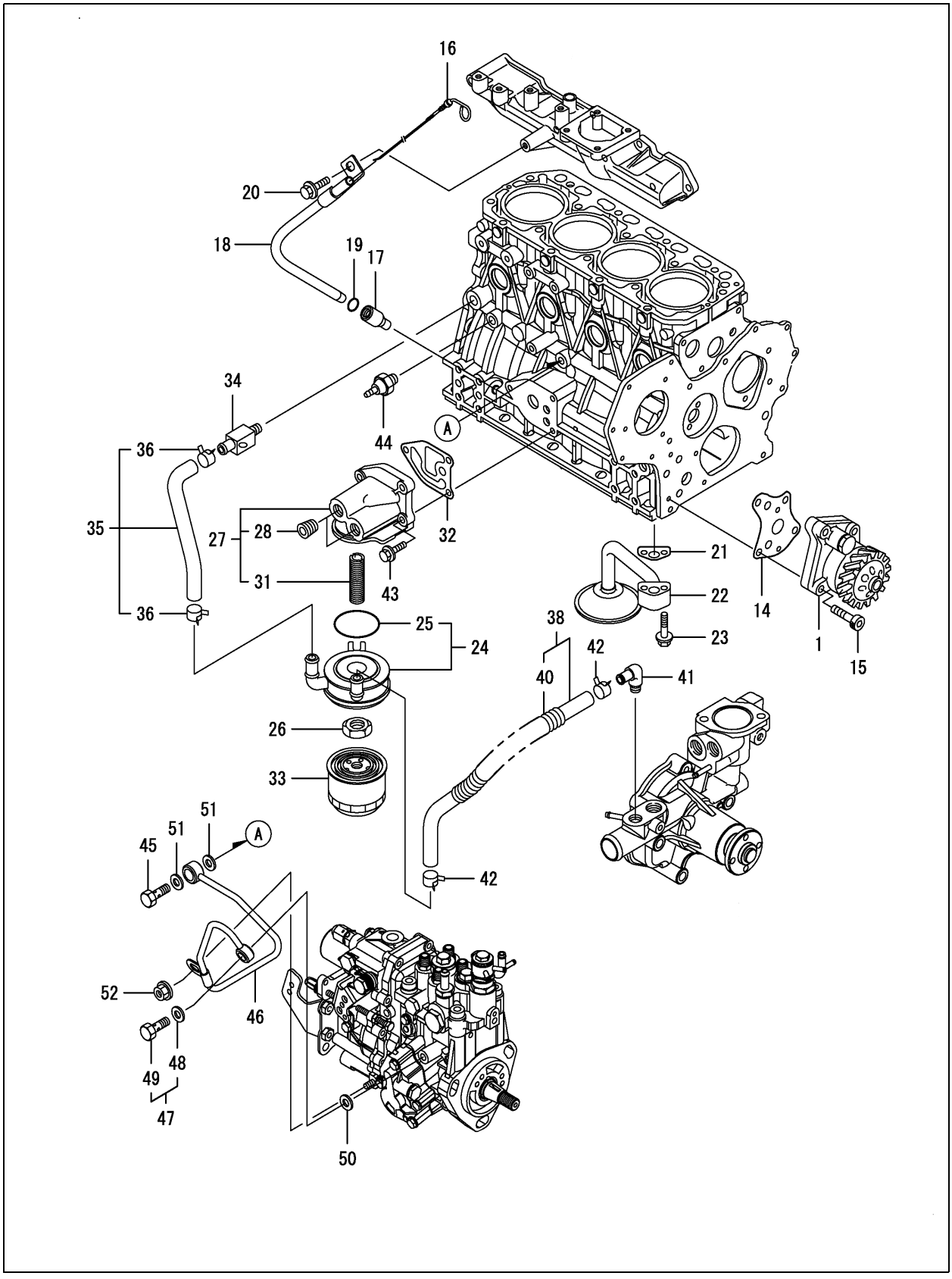
Ref. No.	Part No.	Description	Qty.
1	188549	WATER PUMP ASSY	1
3	188578	GASKET/NON-ASB	1
4	188579	PLATE	1
8	188512	SCREW	3
10	188488	JOINT	2
11	188686	DRAIN PLUG	2
12	425-36239	PLUG	1
13	186602	PLUG 1/4	1
14	425-36263	GASKET	1
15	188550	JOINT	1
16	425-36262	O-RING	1
17	425-34849	GASKET	1
18	425-34727	SEAL WASHER 8S	1
19	425-34729	BOLT M8 X 12 PLATED	1
20	425-34733	BOLT M8 X 16 PLATED	3
21	425-34747	BOLT M8 X 45 PLATED	1
22	425-34838	BOLT M8 X 60 PLATED	3
23	425-36261	V-PULLEY	1
24	188730	V-BELT	1
25	203876	COOLING FAN	1
26	425-34842	SPACER, FAN	1
27	188732	BOLT M6 X 20 PLATED	4
28	425-34661	THERMOSTAT	1
29	425-34705	LOWER GASKET	1

Ref. No.	Part No.	Description	Qty.
30	425-34843	THERMOSTAT COVER	1
31	425-34704	UPPER GASKET	1
32	138520	BOLT M8 X 22 PLATED	2
33	270970	DRAIN PLUG	1
34	425-34683	THERMOSTAT SWITCH 110° C	1
35	160427	SEAL	1
36	138076	THERMOMETER	1
37	425-34707	GASKET	1
38	188551	PIPE ASSY/AMP2	1
39	188553	PIPE ASSY/AMP2	1
40	186339	CLAMP CW-T	1
41	186464	CLAMP 9	2
42	188552	PIPE ASSY/BMP2	1
43	188554	PIPE/WATER BMP2	1
44	186464	CLAMP 9	2
45	190845	SUB-TANK ASSY	1
47	188526	CAP	1
48	186461	CLAMP	1
49	188720	PIPE 7 X 230	1
50	425-36235	CLAMP	1
51	425-36152	SUB-TANK BRACKET	1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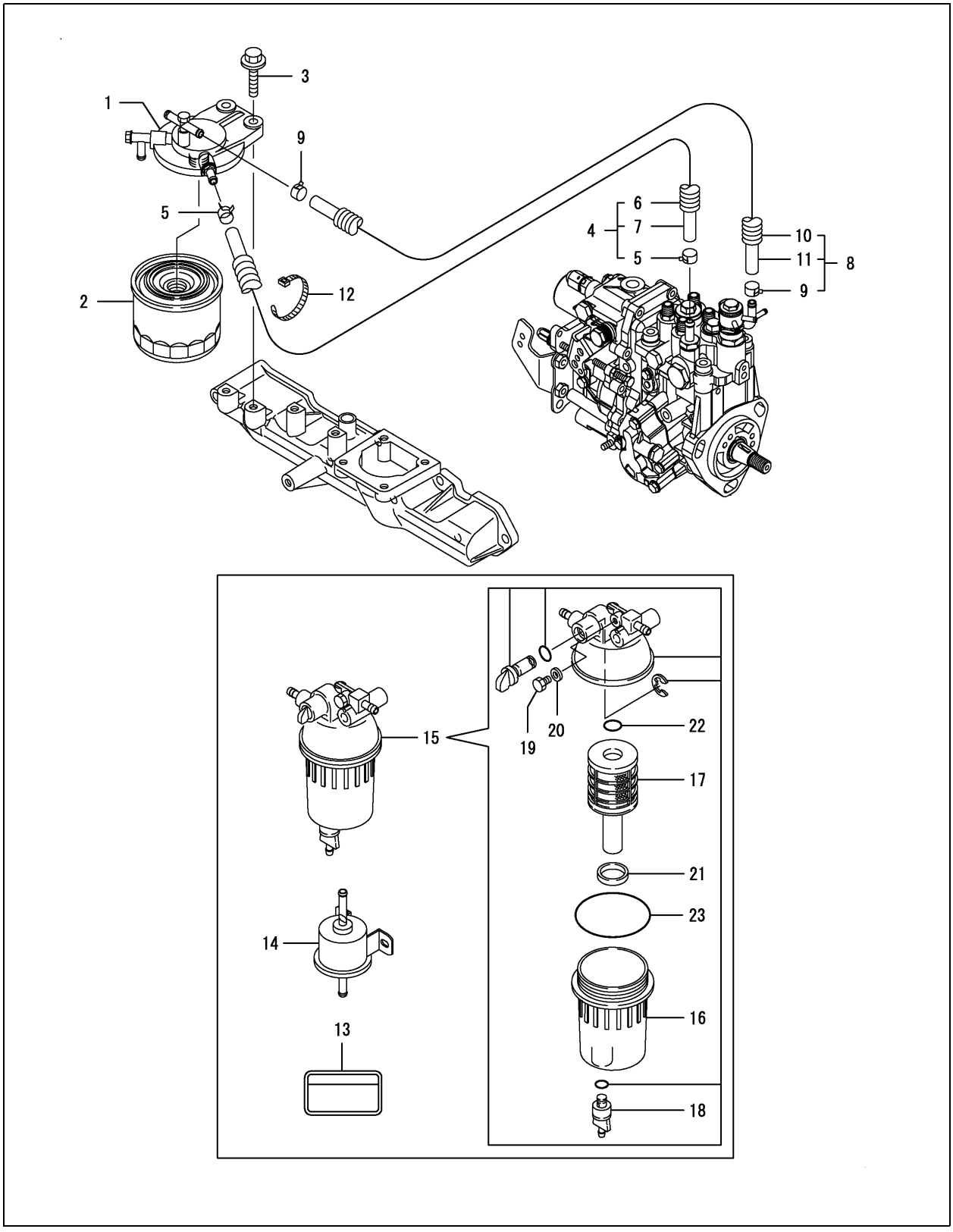
Ref. No.	Part No.	Description	Qty.
1	425-34700	OIL PUMP ASSEMBLY	1
14	425-34701	OIL PUMP GASKET	1
15	425-34823	BOLT M6 X 25	4
16	192301	DIPSTICK	1
17	425-34825	TUBE EXTENSION	1
18	188485	TUBE	1
19	425-34827	O-RING 1A P-10A	1
20	425-34733	BOLT M8 X 16 PLATED	1
21	425-35425	GASKET/EXHAUST MANIFOLD	1
22	192277	OIL PIPE ASSY	1
23	425-34761	BOLT M8 X 35 PLATED	2
24	197497	OIL COOLER ASSY	1
25	192279	O-RING	1
26	188633	NUT	1
27	197491	BRACKET ASSY	1
28	270965	PLUG/NPT 1/2	2
31	188634	STUD	1
32	270963	GASKET (NON-ASB)	1
33	195568	OIL FILTER	1

Ref. No.	Part No.	Description	Qty.
34	188567	JOINT	1
35	197492	COOLER PIPE ASSY	1
36	188693	CLAMP 18.5	2
38	197513	PIPE CMP./COOL. WATER	1
40	197505	CORRUGATED TUBE	1
41	188584	PIPE THREAD ELBOW 1/4	1
42	188718	CLAMP 18	2
43	425-34765	BOLT M8 X 25 PLATED	3
44	425-34684	OIL PRESSURE SWITCH	1
45	425-34835	PIPE JOINT BOLT	1
46	188487	OIL PIPE ASSY	1
47	186468	JOINT BOLT ASSY	1
48	425-34750	SEAL WASHER 8S	1
49	186600	JOINT BOLT 3	1
50	425-34750	SEAL WASHER 8S	1
51	425-35958	SEAL WASHER 10S	2
52	425-34781	NUT M6	1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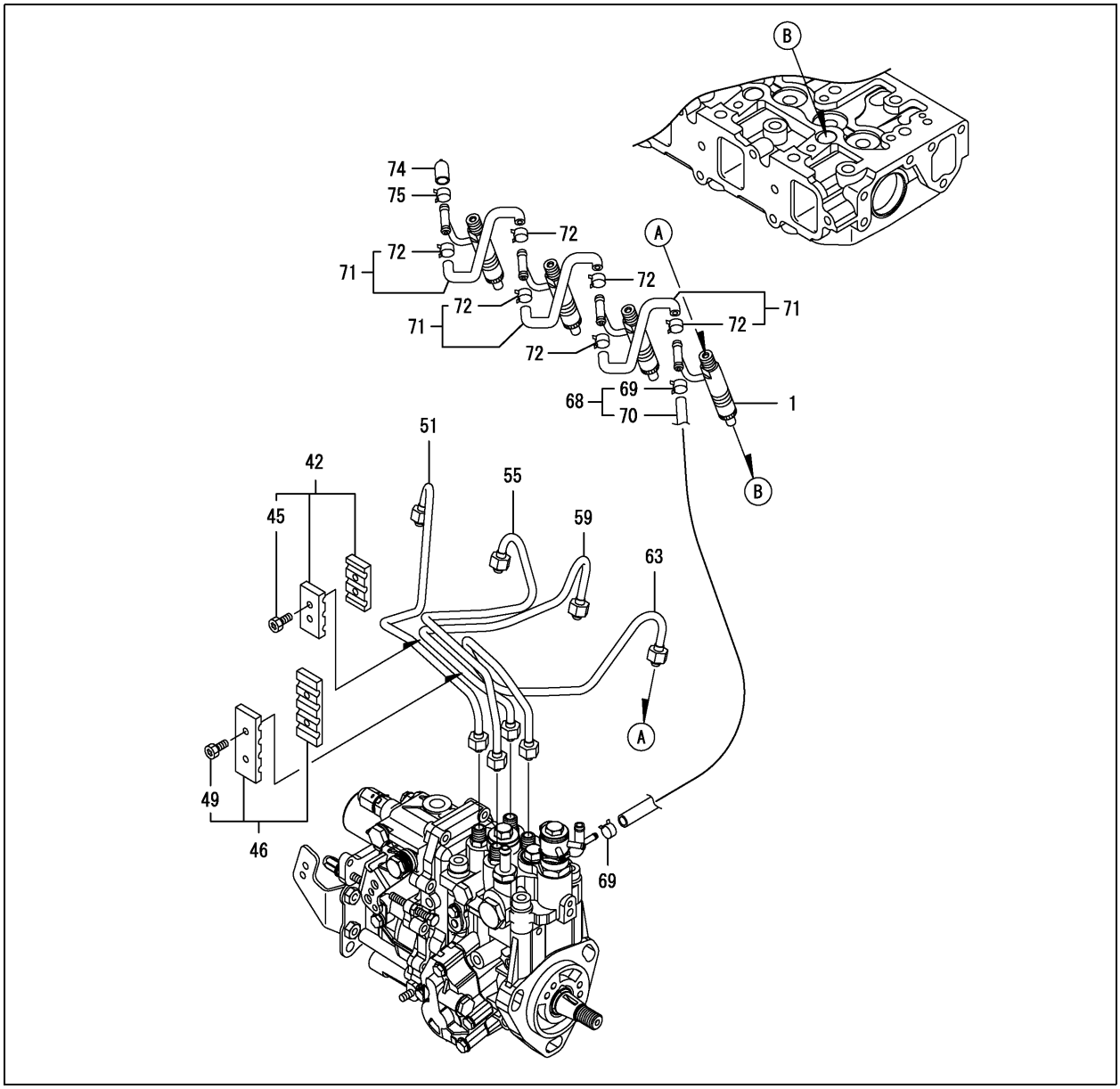
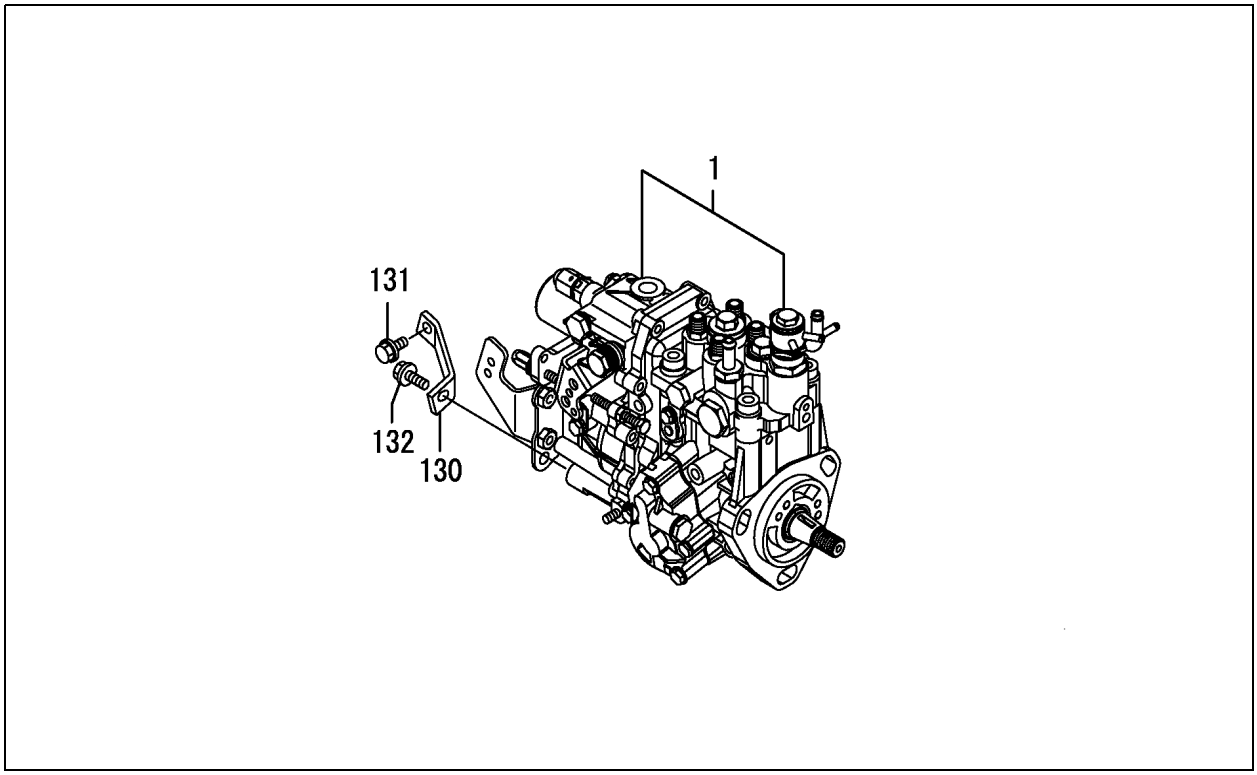
Ref. No.	Part No.	Description	Qty.
1	186467	BRACKET FILTER	1
2	270979	FILTER/FUEL OIL	1
3	425-34760	BOLT M8 X 30 PLATED	2
4	188688	FUEL OIL PIPE ASSY	1
5	425-34916	CLAMP 12	2
6	188691	TUBE	1
7	188439	FUEL OIL PIPE	1
8	188689	FUEL OIL PIPE ASSY	1
9	425-34916	CLAMP 12	2
10	188690	FUEL PIPE PROTECTOR	1
11	188440	FUEL OIL PIPE	1
12	137953	CLAMP	1

Ref. No.	Part No.	Description	Qty.
13	197868	DECAL	1
14	186308	PUMP ASSY FUEL FEED	1
15	188492	SEPARATOR ASSY	1
16	203821	CUP	1
17	203822	FILTER	1
18	203823	DRAIN PLUG	1
19	203824	BREATHER PLUG	1
20	203825	BREATHER SEAL	1
21	203826	DECAL	1
22	425-34744	O-RING 1A P-16.0	1
23	203827	O-RING	1

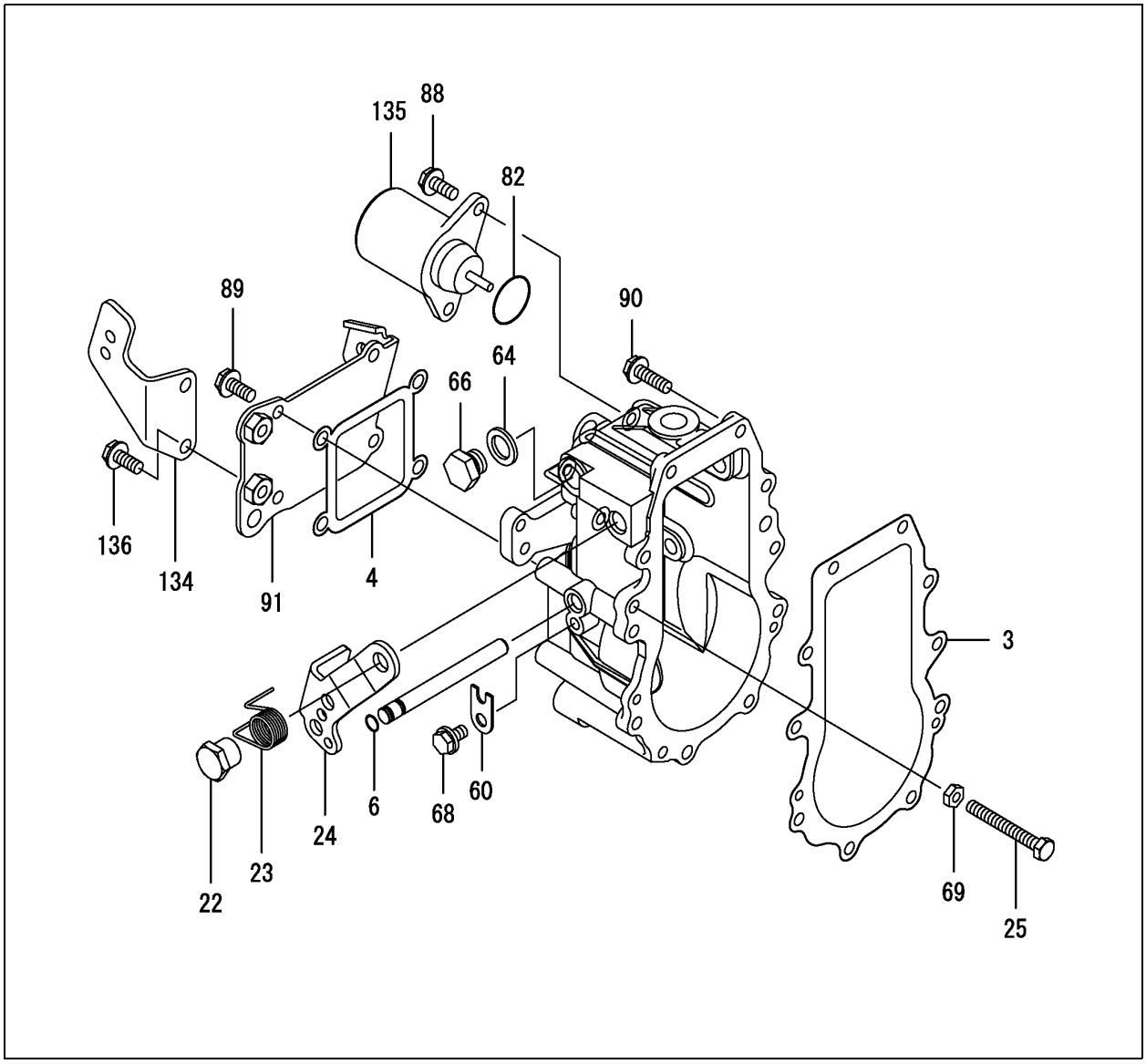


Ref. No.	Part No.	Description	Qty.
1	270974	FUEL INJECTOR ASSY	4
42	425-35452	CLAMP	1
45	186473	BOLT M4X14 HEX.SCKT.	2
46	425-34908	CLAMP	1
49	186473	BOLT M4X14 HEX.SCKT.	2
51	188662	INJECTION LINE	1
55	188663	INJECTION LINE	1
59	188664	INJECTION LINE	1
63	188665	INJECTION LINE	1

Ref. No.	Part No.	Description	Qty.
68	188493	RETURN PIPE ASSY	1
69	186464	CLAMP 9	2
70	188494	FUEL RETURN PIPE	1
71	186481	FUEL RETURN PIPE	3
72	186464	CLAMP 9	6
74	188451	CAP	1
75	188517	CLAMP10	1

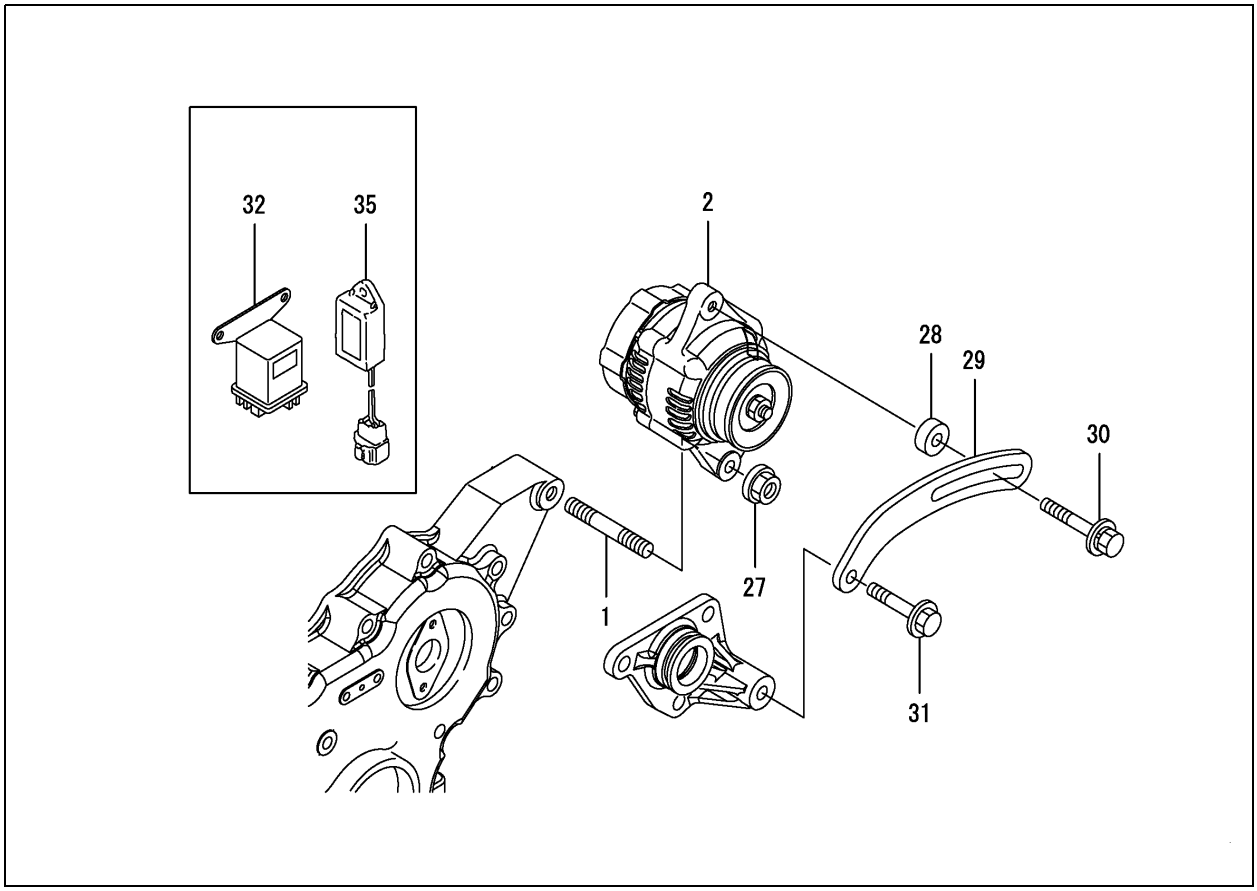


Ref. No.	Part No.	Description	Qty.
1	203880	FUEL INJECTION PUMP ASSY	1
130	188661	SUPPORT/FIP	1
131	425-34733	BOLT M8 X 16 PLATED	1
132	425-34746	BOLT M8 X 20 PLATED	1



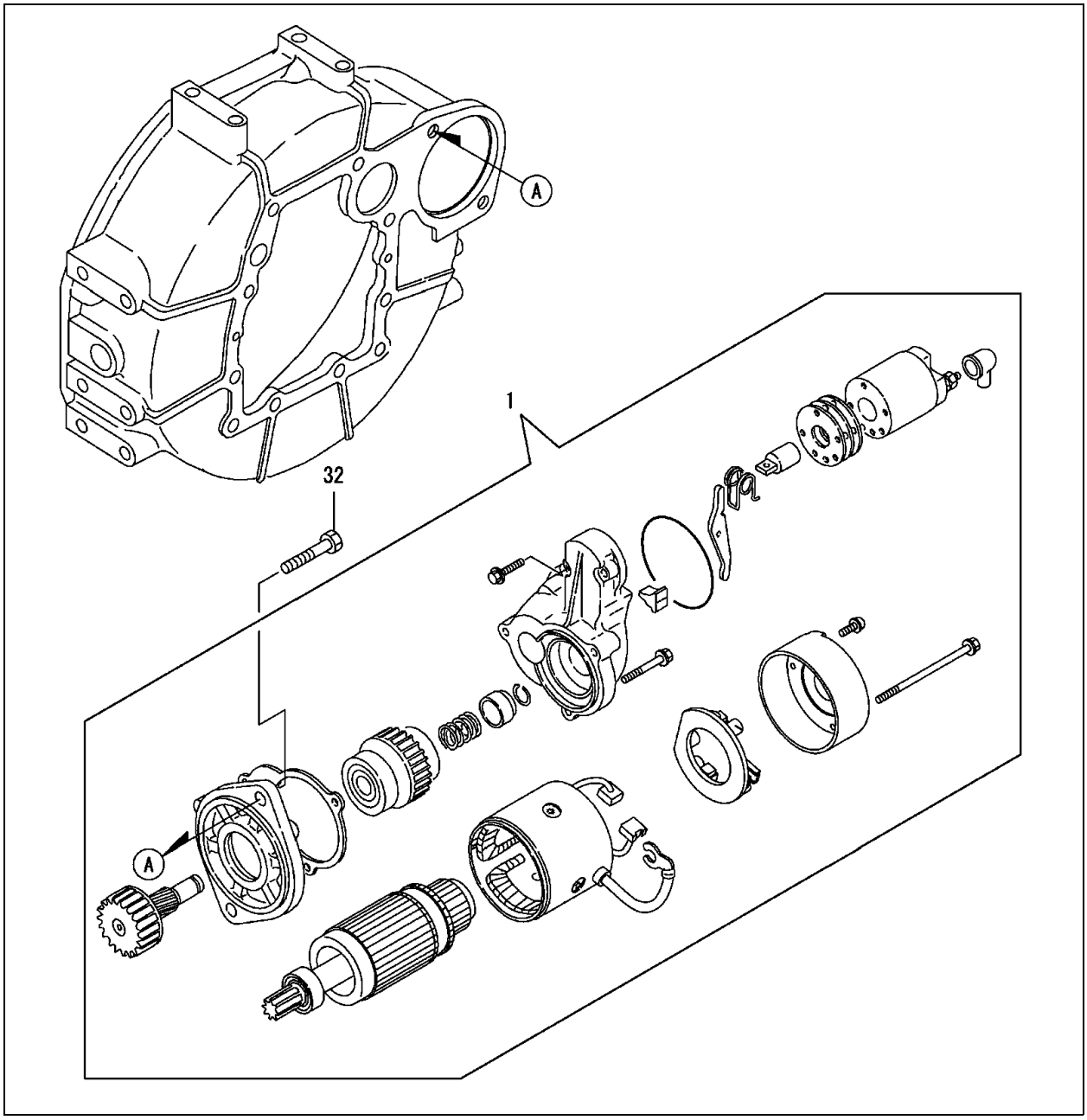
Ref. No.	Part No.	Description	Qty.
3	192280	GASKET	1
4	192281	GASKET	1
6	425-34678	O-RING	1
22	192283	NUT	1
23	192284	SPRING	1
24	192285	REGULATOR LEVER	1
25	425-34981	IDLE LIMIT BOLT	1
60	425-35352	SHAFT RETAINER	1
64	270972	SEAL WASHER 12	1
66	425-35174	PLUG 22	1
68	425-35263	BOLT M6 X 10 PLATED	1

Ref. No.	Part No.	Description	Qty.
69	425-34781	NUT M6	1
82	270973	O-RING	1
88	425-35962	BOLT M6 X 14	2
89	425-35962	BOLT M6 X 14	4
90	188732	BOLT M6 X 20 PLATED	10
91	176149	CASE COVER	1
134	176150	CABLE SUPPORT BRACKET	1
135	425-35925	SOLENOID STOP	1
136	425-35962	BOLT M6 X 14	2

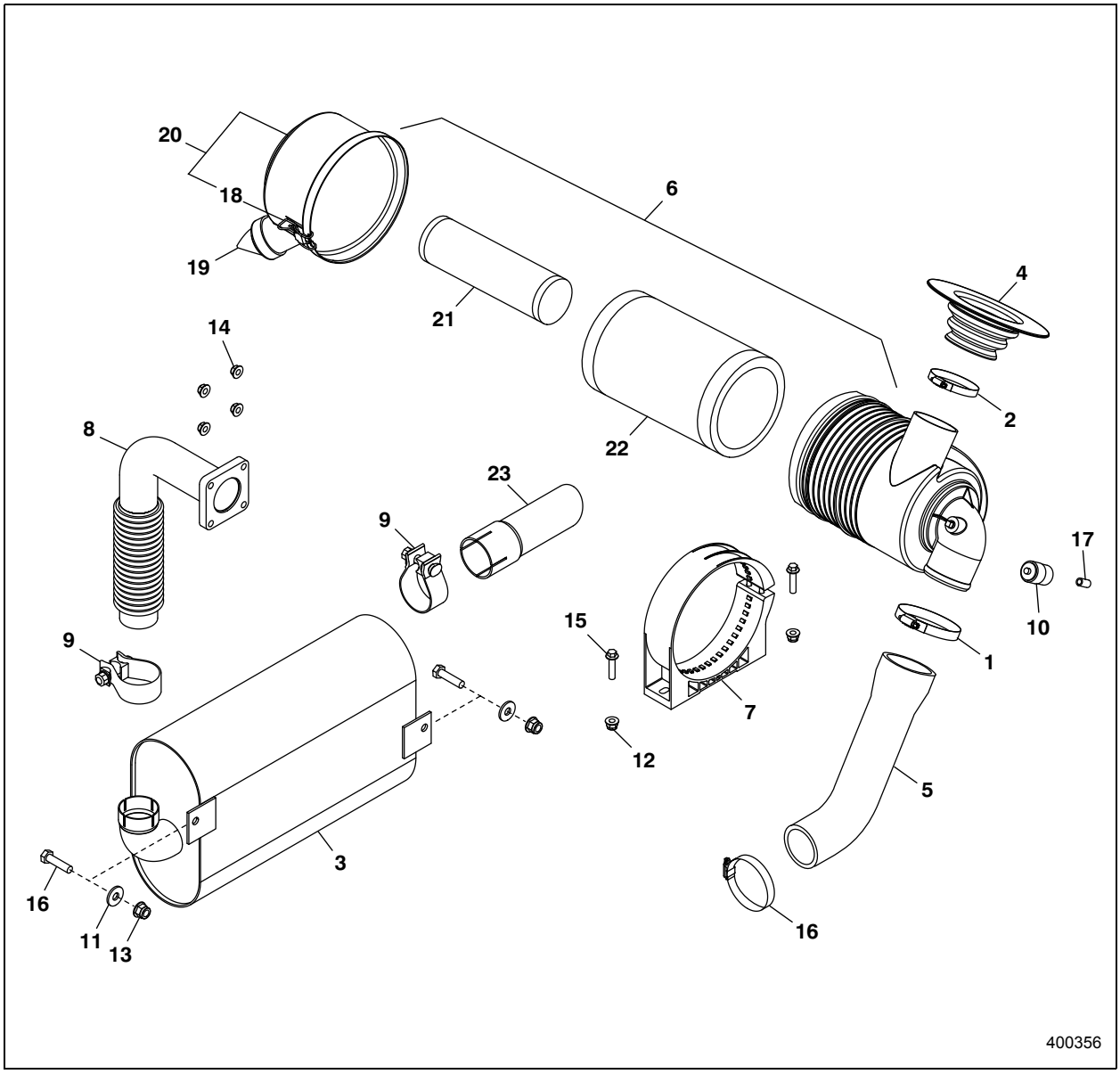


Ref. No.	Part No.	Description	Qty.
1	186484	STUD	1
2	270984	ALTERNATOR ASSY	1
28	188500	BELT ADJUSTER	1
29	188495	BELT ADJUSTER	1
30	192273	ADJUSTER BOLT	1

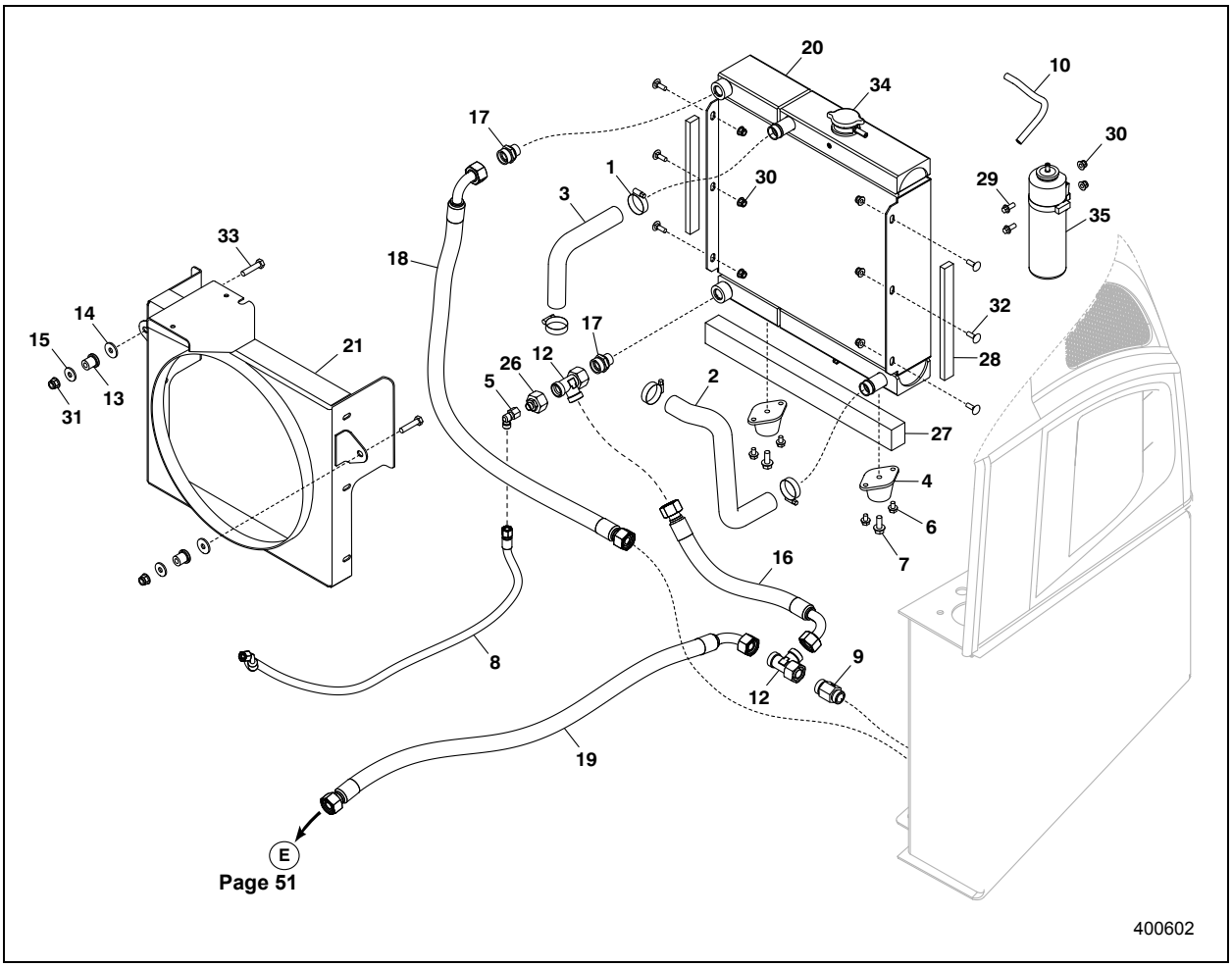
Ref. No.	Part No.	Description	Qty.
31	425-34747	BOLT M8 X 45 PLATED	1
32	137946	RELAY/GLOW	1
35	138089	TIMER	1



Ref. No.	Part No.	Description	Qty.
1	188586	STARTER	1
32	188748	BOLT M12 X 25 PLATED	2



Ref. No.	Part No.	Description	Qty.
1	087849	CLAMP/HOSE #52	1
2	087850	CLAMP/HOSE #40	2
3	275000	MUFFLER/SPARK ARRESTING	1
4	176202	INLET/RUBBER BELLOWS	1
5	176313	HOSE/AIR CLEANER	1
6	176333	AIR CLEANER/6" (Includes Ref. Nos. 18-22)	1
7	176334	BRKT/6" PLASTIC	1
8	176819	WELDMENT/EXHAUST	1
9	201175	CLAMP/MUFFLER 2.00 TORCA	2
10	420-18160	INDICATOR (Air Restriction)	1
11	651659	FW M10 HARDENED Z	2
12	651706	LN INST FL M8-1.25 C8 ZY DIN6926	2
13	651707	LN INST FL M10-1.50 C8 ZY DIN6926	2
14	651711	LN FL CTR M8-1.25 C8 ZY DIN6927	4
15	651720	CS FL M8-1.25X35 C8.8 ZY DIN1662	2
16	656010	CS M10-1.5X40 C8.8 ZY DIN931	2
17	660068	NIPPLE/CLOSE PIPE 1/8	1
18	L99933	LATCH	3
19	L99932	VALVE/VACUATOR (Dust Unloader)	1
20	420-35785	CUP ASSY (Includes Ref. No. 18)	1
21	270741	FILTER/SAFETY	1
22	270740	FILTER/PRIMARY	1
23	271983	TAIL PIPE	1



Ref. No.	Part No.	Description	Qty
1	055335	CLAMP/HOSE #20	4
2	175519	HOSE/RADIATOR	1
3	175520	HOSE / UPPER RADIATOR	1
4	176309	MOUNT/RADIATOR	2
5	176364	90M SV F24C10 M24C10 **	1
6	176652	CS FLH M8-1.25X12 C8.8ZY SP DIN1665	4
7	176653	CS FLH M10-1.5X25 C8.8ZY SP DIN1665	2
8	176741	HOSE/MP 5 X 1283MM *	1
9	272272	VALVE/CHECK RELIEF**	1
10	201179	HOSE/OVERFLOW	1
12	201236	TEM SV RN F24C22 M24C22 **	2
13	201481	MOUNT/CENTER BONDED	2
14	270104	WASHER/HEAD	2
15	270105	WASHER/TAIL	2
16	270295	HOSE/MP 12 X 470MM *	1
17	270417	STM M24C22 MORB10 **	2

Ref. No.	Part No.	Description	Qty
18	271094	HOSE/MP 12 X 1030MM *	1
19	272000	HOSE/MP 12 X 1100MM *	1
20	273356	COOLER/HYD/ENGINE	1
21	273446	WDMT/FAN SHROUD	1
26	273697	ST FCS22-MC10-L**	1
27	274165	FOAM/RECIRCULATION	1
28	274166	FOAM/RECIRCULATION	2
29	651689	CS FL M8-1.25X20 C8.8 ZY DIN1662	2
30	651706	LN INST FL M8-1.25 C8 ZY DIN6926	8
31	651707	LN INST FL M10-1.50 C8 ZY DIN6926	2
32	651713	CB M8-1.25X25 C8.8 ZY DIN603	6
33	656011	CS M10-1.5X45 C8.8 ZY DIN931	2
34	139476	CAP/RADIATOR	1
35	425-36233	WATER BOTTLE	1

*** See Page 96 for hose/o-ring information.**

**** See Page 95 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
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

Fitting Part Number	Compatible Seal Ring Part Number	Compatible O-Ring Part Number
176778	--	270540
176779	--	270538
176800	270567	--
176883	270563	--
176884	270565	--
176885	270567	--
201061	270562	--
201236	--	270542
201251	--	270544
201279	--	270542
270069	--	270542
270075	--	270544
270208	--	270537
270213	270563	--
270227	--	270539
270236	--	270538
270414		058674
270415	--	048953
270416	--	055897
270417	--	055898
271636	270565	--
271754	--	274852
272272	--	048953
272380	--	048953
272768	270563	--
272867	--	048953
273270	--	055898
273697	--	270542
273812	270569	--
273956	--	270542
274401	--	055898
274405	--	271309

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
201085	270539
201086	270539
201087	270539
201088	270539

Hose Part Number	Compatible O-Ring Part Number
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
270371	270538 (2)
270374	270538 (2)
270375	270538 (2)
270391	271361
270392	271361
271094	270542
271195	270538
271196	270540

Hose Part Number	Compatible O-Ring Part Number
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
272027	270539
272207	270538 (2)
272217	270538 (2)
272474	270538 (2)
272475	270538 (2)
273197	270538
273334	270542
273380	270538
273381	270540 (2)
273402	271309 (6L) 270538 (10L)
273487	270538

Hose Part Number	Compatible O-Ring Part Number
273492	270538 (2)
273510	270539
273513	270539
273515	270539
273581	270540
273612	270542
273698	270542
273699	271309 (6L) 270538 (10L)
273718	270538
273775	270539
273777	270539
273807	270539
273814	270540
273823	270539

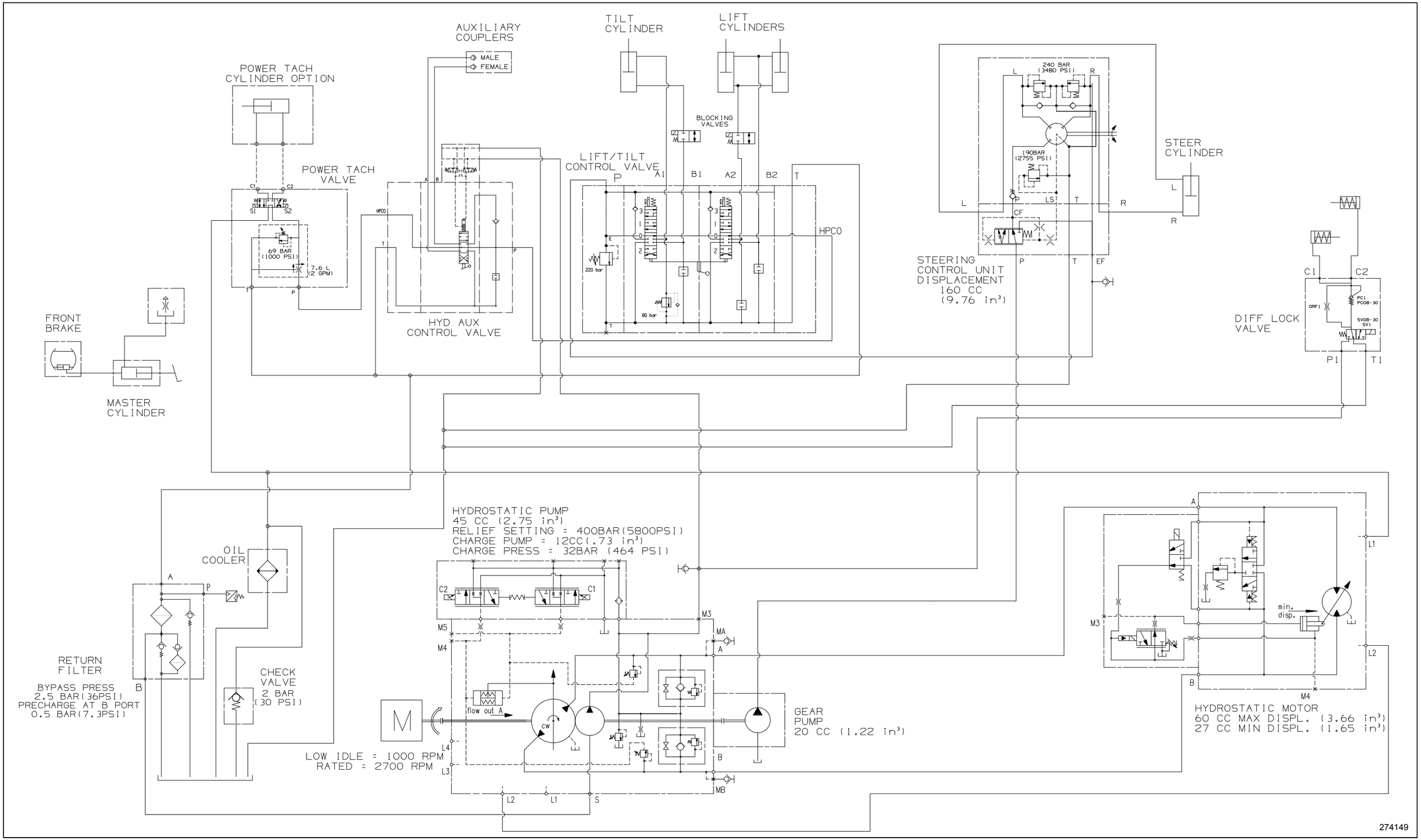
Hose Part Number	Compatible O-Ring Part Number
273852	270538 (2)
273875	270538
273876	270538
273880	270538
273882	270540
273963	270542
274124	270540 (2)
274128	270539
274206	270540
274207	270540
274208	270540
274261	270540
274263	270540 (2)
274276	270538 (2)
274277	270538 (2)

Hose Part Number	Compatible O-Ring Part Number
274310	270542
274329	270537
274337	270545 (20S) 271361 (62-12)
274338	270545 (20S) 271361 (62-12)
274351	270538
274367	270541
274988	270542
275259	270542 (2)
275404	270542 (2)

ABBREVIATIONS AND DESCRIPTIONS FOR FITTINGS

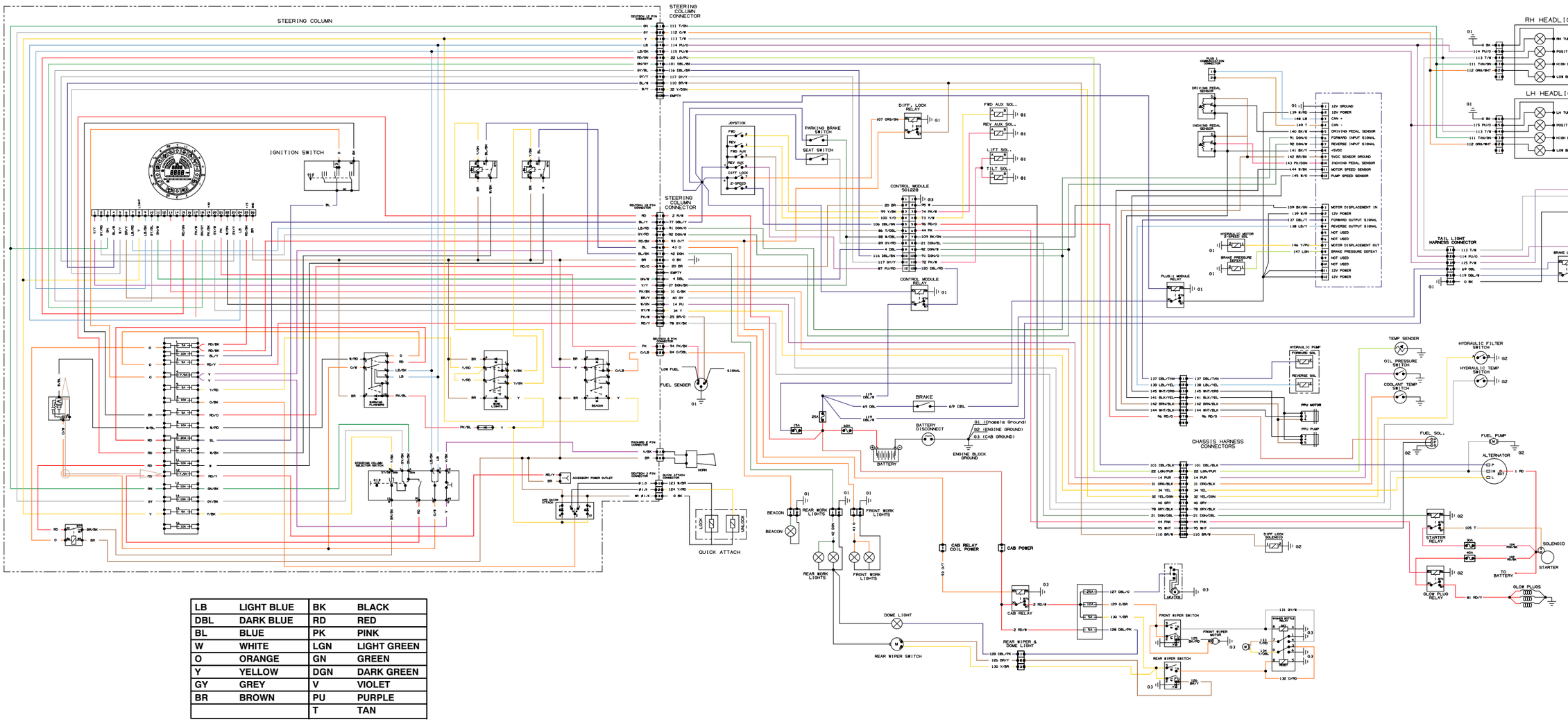
Abbrev.	Description
A, AJ	Adjustable
BJ	Banjo
BK	Bulkhead
BR	Branch
FBSPP	Female British Std. Parallel Pipe End
F24C	Female 24° Cone Tube End
HPM	Hollow Hex Plug Metric
M24C	Male 24° Cone Tube End
MBSPP	Male British Std. Parallel Pipe End
MMPT	Male Metric Port Thread End

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

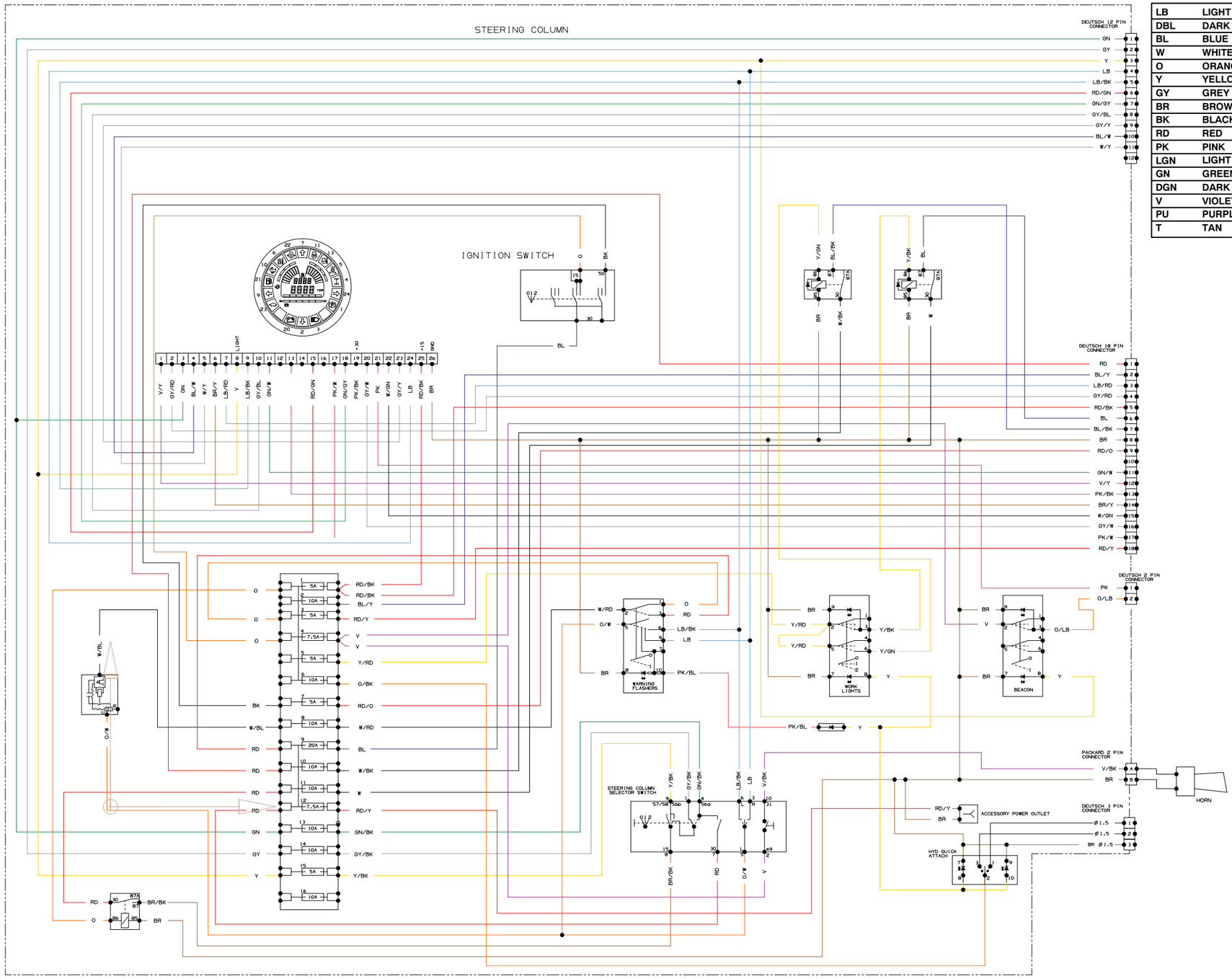

AUXILIARY COUPLERS
MALE
FEMALE
TILT CYLINDER
LIFT CYLINDERS
POWER TACH CYLINDER OPTION
POWER TACH VALVE
BLOCKING VALVES
LIFT/TILT CONTROL VALVE
P
A1
B1
A2
B2
T
HPCO
240 BAR (3480 PSI)
190BAR (2755 PSI)
STEER CYLINDER
69 BAR (1000 PSI)
7.6 L (2 GPM)
220 bar
80 bar
HYD AUX CONTROL VALVE
STEERING CONTROL UNIT DISPLACEMENT 160 CC (9.76 in³)
FRONT BRAKE
MASTER CYLINDER
DIFF LOCK VALVE
OIL COOLER
RETURN FILTER
BYPASS PRESS 2.5 BAR(36PSI)
PRECHARGE AT B PORT 0.5 BAR(7.3PSI)
CHECK VALVE 2 BAR (30 PSI)
HYDROSTATIC PUMP
45 CC (2.75 in³)
RELIEF SETTING = 400BAR(5800PSI)
CHARGE PUMP = 12CC(.73 in³)
CHARGE PRESS = 32BAR (464 PSI)
flow out A
LOW IDLE = 1000 RPM
RATED = 2700 RPM
GEAR PUMP 20 CC (1.22 in³)
HYDROSTATIC MOTOR
60 CC MAX DISPL. (3.66 in³)
27 CC MIN DISPL. (1.65 in³)
min. disp.
274149

AL 540 - SCHEMATICS

COMPLETE ELECTRICAL SCHEMATIC



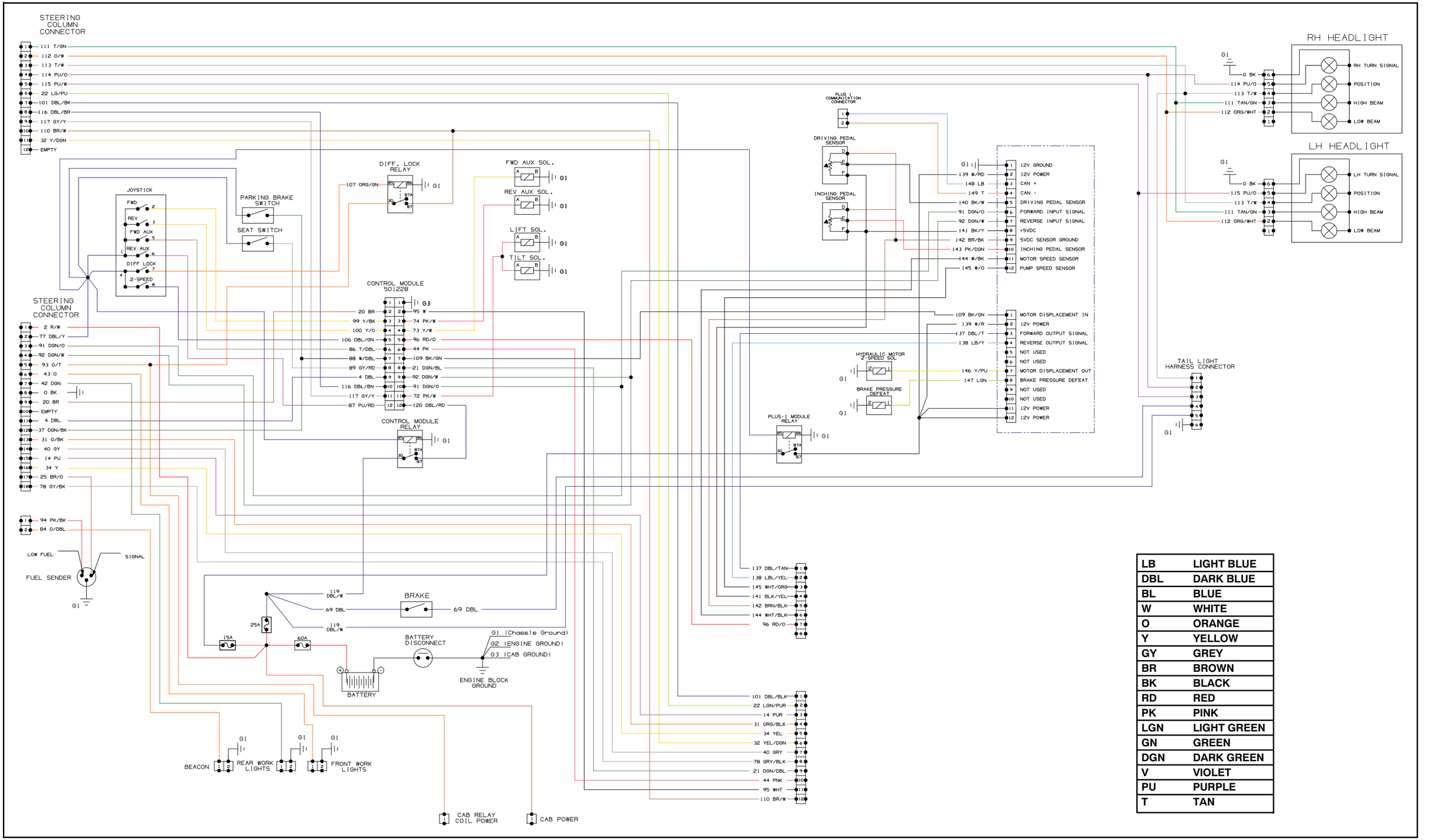
LB	LIGHT BLUE	BK	BLACK
DBL	DARK BLUE	RD	RED
BL	BLUE	PK	PINK
W	WHITE	LGN	LIGHT GREEN
O	ORANGE	GN	GREEN
Y	YELLOW	DGN	DARK GREEN
GY	GREY	V	VIOLET
BR	BROWN	PU	PURPLE
		T	TAN



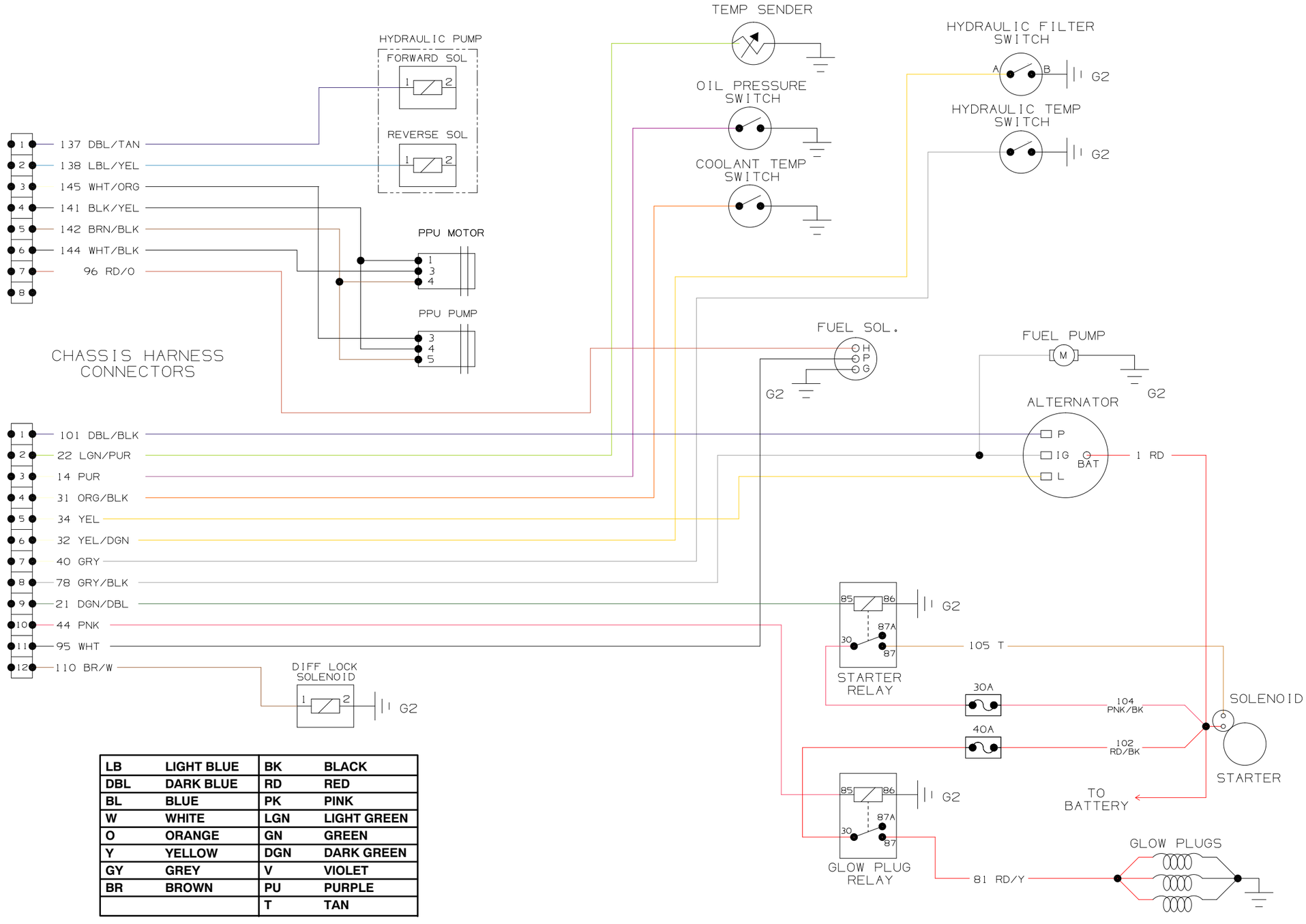
LB	LIGHT BLUE
DBL	DARK BLUE
BL	BLUE
W	WHITE
O	ORANGE
Y	YELLOW
GY	GREY
BR	BROWN
BK	BLACK
RD	RED
PK	PINK
LGN	LIGHT GREEN
GN	GREEN
DGN	DARK GREEN
V	VIOLET
PU	PURPLE
T	TAN

AL 540 - SCHEMATICS

CHASSIS ELECTRICAL SCHEMATIC

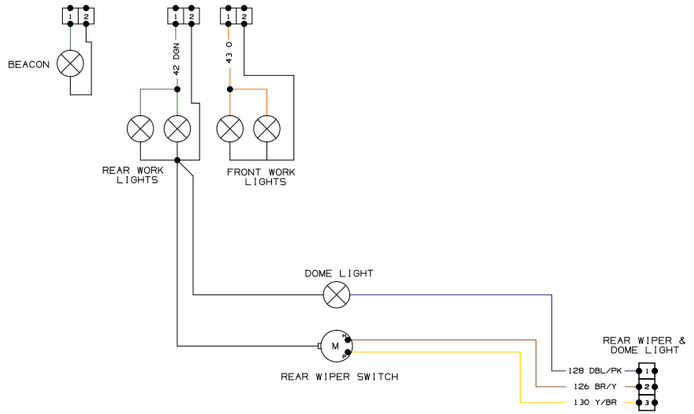


LB	LIGHT BLUE
DBL	DARK BLUE
BL	BLUE
W	WHITE
O	ORANGE
Y	YELLOW
GY	GREY
BR	BROWN
BK	BLACK
RD	RED
PK	PINK
LGN	LIGHT GREEN
GN	GREEN
DGN	DARK GREEN
V	VIOLET
PU	PURPLE
T	TAN

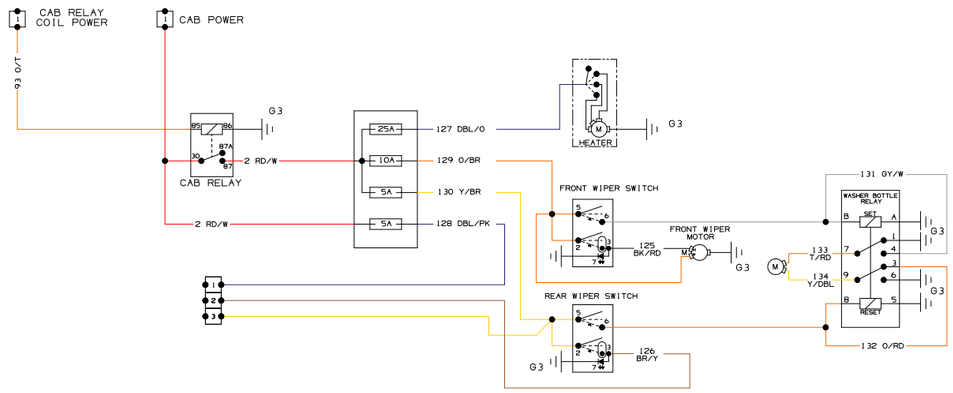


LB	**LIGHT BLUE**	**BK**	**BLACK**
DBL	**DARK BLUE**	**RD**	**RED**
BL	**BLUE**	**PK**	**PINK**
W	**WHITE**	**LGN**	**LIGHT GREEN**
O	**ORANGE**	**GN**	**GREEN**
Y	**YELLOW**	**DGN**	**DARK GREEN**
GY	**GREY**	**V**	**VIOLET**
BR	**BROWN**	**PU**	**PURPLE**
		T	**TAN**

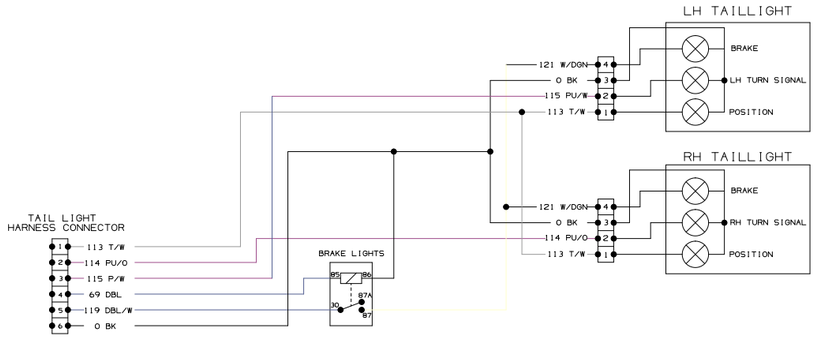
4-POST HARNESS



CAB HARNESS



TAILLIGHT HARNESS



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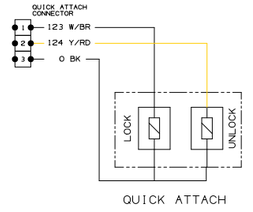

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DBL	DARK BLUE	RD	RED
BL	BLUE	PK	PINK
W	WHITE	LGN	LIGHT GREEN
O	ORANGE	GN	GREEN
Y	YELLOW	DGN	DARK GREEN
GY	GREY	V	VIOLET
BR	BROWN	PU	PURPLE
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TORQUE SPECIFICATIONS

Note: Use these torque values when tightening hardware (excluding: locknuts and self-tapping, thread forming and sheet metal screws) unless specified otherwise.

Hydraulic fittings with various seals (light application). All torque values are in lb.-ft. (Nm) unless marked otherwise.

Thread	Straight pipe fitting with thread and screwed plug (GE)			Non-return valve with elastic seal	Identification aid outside Ø
	Sealing washer	Elastic seal	O-ring		
M10X1.0	7 (9)	13 (18)	11 (15)	13 (18)	0.4 in. (10 mm)
M12X1.5	15 (20)	18 (25)	18 (25)	18 (25)	0.5 in. (12 mm)
M14X1.5	26 (35)	33 (45)	26 (35)	26 (35)	0.6 in. (14 mm)
M16X1.5	33 (45)	41 (55)	30 (40)	37 (50)	0.6 in. (16 mm)
M18X1.5	41 (55)	52 (70)	33 (45)	52 (70)	0.7 in. (18 mm)
M22X1.5	48 (65)	92 (125)	44 (60)	92 (125)	0.9 in. (22 mm)
M27X2.0	66 (90)	133 (180)	74 (100)	107 (145)	1.0 in. (27 mm)
M33X2.0	111 (150)	229 (310)	118 (160)	155 (210)	1.3 in. (33 mm)
M42X2.0	177 (240)	332 (450)	155 (210)	266 (360)	1.7 in. (42 mm)
M48X2.0	214 (290)	398 (540)	192 (260)	398 (540)	1.9 in. (48 mm)
G1/8A	7 (9)	13 (18)	11 (15)	13 (18)	0.4 in. (9.73 mm)
G1/4A	26 (35)	26 (35)	22 (30)	26 (35)	0.5 in. (13.16 mm)
G3/8A	33 (45)	52 (70)	33 (45)	37 (50)	0.7 in. (16.66 mm)
G1/2A	48 (65)	66 (90)	41 (55)	48 (65)	0.8 in. (20.96 mm)
G3/4A	66 (90)	133 (180)	74 (100)	103 (140)	1.0 in. (26.44 mm)
G1A	111 (150)	229 (310)	118 (160)	140 (190)	1.3 in. (33.25 mm)
G1 1/4A	177 (240)	332 (450)	155 (210)	266 (360)	1.7 in. (41.91 mm)
G1 1/2A	214 (290)	398 (540)	192 (260)	398 (540)	1.9 in. (47.80 mm)

Hydraulic fittings with various seals (heavy application). All torque values are in lb.-ft. (Nm) unless marked otherwise.					
Thread	**Straight pipe fitting with thread and screwed plug (GE)**			**Non-return valve with elastic seal**	**Identification aid outside Ø**
	Sealing washer	**Elastic seal**	**O-ring**		
M12X1.5	15 (20)	26 (35)	26 (35)	26 (35)	0.5 in. (12 mm)
M14X1.5	26 (35)	41 (55)	33 (45)	33 (45)	0.6 in. (14 mm)
M16X1.5	33 (45)	52 (70)	41 (55)	41 (55)	0.6 in. (16 mm)
M18X1.5	41 (55)	66 (90)	52 (70)	52 (70)	0.7 in. (18 mm)
M20X1.5	41 (55)	92 (125)	59 (80)	74 (100)	0.8 in. (20 mm)
M22X1.5	48 (65)	100 (135)	74 (100)	92 (125)	0.9 in. (22 mm)
M27X2.0	66 (90)	133 (180)	125 (170)	100 (135)	1.0 in. (27 mm)
M33X2.0	111 (150)	229 (310)	229 (310)	155 (210)	1.3 in. (33 mm)
M42X2.0	177 (240)	332 (450)	243 (330)	266 (360)	1.7 in. (42 mm)
M48X2.0	214 (290)	398 (540)	310 (420)	398 (540)	1.9 in. (48 mm)
G1/8A	26 (35)	41 (55)	33 (45)	33 (45)	0.5 in. (13.16 mm)
G1/4A	33 (45)	59 (80)	44 (60)	44 (60)	0.7 in. (16.66 mm)
G3/8A	48 (65)	85 (115)	55 (75)	74 (100)	0.8 in. (20.96 mm)
G1/2A	66 (90)	133 (180)	125 (170)	107 (145)	1.0 in. (26.44 mm)
G3/4A	111 (150)	229 (310)	229 (310)	192 (260)	1.3 in. (33.25 mm)
G1A	177 (240)	332 (450)	243 (330)	266 (360)	1.7 in. (41.91 mm)
G1 1/4A	214 (290)	398 (540)	310 (420)	398 (540)	1.9 in. (47.80 mm)

With coarse-pitch thread. All torque values are in lb.-ft. (Nm) unless marked otherwise.					
Thread	Threads according to DIN 912, DIN 931, DIN 933, etc.			Threads according to DIN 7984	
	8.8	10.9	12.9	8.8	10.9
M5	4.1 (5.5)	6 (8)	7 (10)	4 (5)	5 (7)
M6	7 (10)	10 (14)	13 (17)	6.3 (8.5)	9 (12)
M8	18 (25)	26 (35)	31 (42)	15 (20)	22 (30)
M10	33 (45)	48 (65)	59 (80)	30 (40)	44 (59)
M12	64 (87)	81 (110)	108 (147)	51 (69)	74 (100)
M14	100 (135)	133 (180)	170 (230)	81 (110)	118 (160)
M16	155 (210)	203 (275)	258 (350)	125 (170)	184 (250)
M18	207 (280)	302 (410)	354 (480)	181 (245)	254 (345)
M20	302 (410)	420 (570)	509 (690)	251 (340)	361 (490)
M22	406 (550)	575 (780)	686 (930)	339 (460)	487 (660)
M24	524 (710)	738 (1000)	878 (1190)	435 (590)	620 (840)
M27	767 (1040)	1092 (1480)	1305 (1770)	642 (870)	922 (1250)
M30	1047 (1420)	1482 (2010)	1770 (2400)	885 (1200)	1254 (1700)

With fine-pitch thread. All torque values are in lb.-ft. (Nm) unless marked otherwise.					
Thread	Threads according to DIN 912, DIN 931, DIN 933, etc.			Threads according to DIN 7984	
	8.8	10.9	12.9	8.8	10.9
M8X1.0	18 (25)	27 (37)	32 (43)	16 (22)	24 (32)
M10X1.0	37 (50)	55 (75)	65 (88)	32 (43)	48 (65)
M10X1.25	36 (49)	52 (71)	61 (83)	31 (42)	46 (62)
M12X1.25	64 (87)	96 (130)	111 (150)	55 (75)	81 (110)
M12X1.5	61 (83)	92 (125)	107 (145)	53 (72)	77 (105)
M14X1.5	100 (135)	148 (200)	173 (235)	89 (120)	129 (175)
M16X1.5	155 (210)	229 (310)	266 (360)	133 (180)	195 (265)
M18X1.5	232 (315)	332 (450)	391 (530)	199 (270)	284 (385)
M20X1.5	325 (440)	465 (630)	538 (730)	277 (375)	391 (530)
M22X1.5	435 (590)	620 (840)	723 (980)	369 (500)	524 (710)
M24X2.0	546 (740)	789 (1070)	922 (1250)	465 (630)	664 (900)
M27X2.0	811 (1100)	1143 (1550)	1328 (1800)	679 (920)	959 (1300)
M30X2.0	1106 (1500)	1586 (2150)	1844 (2500)	959 (1300)	1364 (1850)

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