SKYTRAK®

Illustrated Parts Manual

Models

8042, 10042, 10054

SN 13198 to SN19987
SN 0160002332 to SN 0160045249

See Revision Log page for S/N Inclusions & Exceptions

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EFFECTIVITY PAGE

NOTES:

List of SN inclusions:
13198-19987, 0160002332-0160045249, 0160045255

List of SN exceptions:
0160042754,0160042762,0160042877,0160042911,0160043185,0160043220,0160043244

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SECTION 1 - FRAME AND ATTACHING PARTS

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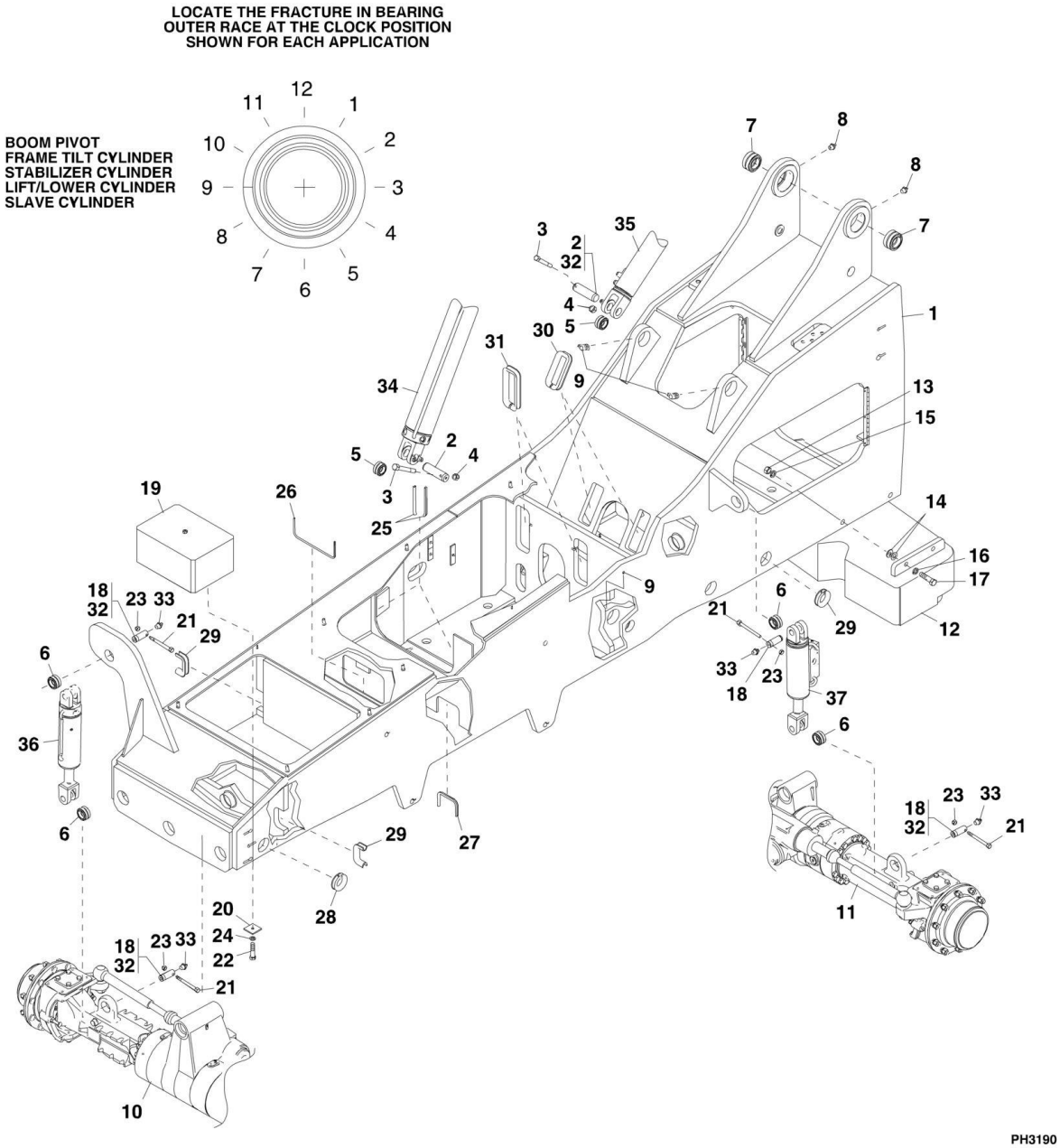


FIGURE 1-1. MAIN FRAME COMPONENTS (SN 13198 through 19987, SN 0160002332 through 0160004669)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.S.S.	1	FRAME WELDMENT	
2	7092292	4	LIFT/LOWER AND SLAVE CYLINDER PINS, (base and rod ends)	
3	8303782	4	HEX HD CAPSCREW, 1/2-13X4	
4	8305644	4	HEX LOCKNUT, 1/2-13	
5	8065640	2	BEARING, (Self Align)	
6	8050001	4	BEARING, (Self Align)	
7	8065641	2	BEARING, (Self Align)	
8	8520013	2	GREASE FITTING, STRAIGHT	
9	8520021	4	GREASE FITTING, 90	
10		Ref	FRONT AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
11		Ref	REAR AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
12	7138879	1	COUNTERWEIGHT	
13	8305021	4	HEX NUT, 1-8	
14	5724302	AR	WASHER, SHIM 0.06	
15	8307012	4	LOCKWASHER, 1	
16	8310066	AR	FLAT WASHER, 0.134	
17	8310051	4	HEX HD CAPSCREW, 1-8X4	
18	7137142	4	TILT AND STABIL-TRAK CYLINDER PINS	
19	7138888	1	FRONT COUNTERWEIGHT (8042)	
20	7139066	2	COUNTERWEIGHT HOLD DOWN PLATE (8042)	
21	8303752	4	HEX HD CAPSCREW, 0.312-18X3.5	
22	8303794	2	HEX HD CAPSCREW, 0.750-10X3.5, GR8 (8042)	
23	8305626	4	HEX LOCKNUT, 0.312-18	
24	8307010	2	LOCKWASHER, 0.750 (8042)	
25	7125871	AR	CONDUIT, 0.50X8, (cut to fit)	
26	7138368	AR	CONDUIT, 0.25X2, (cut to fit)	
27	7124301	AR	CONDUIT, 0.5X15.5, (cut to fit)	
28	7124471	AR	CONDUIT, 1 DIAX12.5, (cut to fit)	
29	7124451	AR	CONDUIT, 1 IDX8, (cut to fit)	
30	7139157	AR	CONDUIT, 1 IDX4, (cut to fit)	
31	7139156	AR	CONDUIT, 1 IDX28, (cut to fit)	
32	8522012	AR	ANTI-SEIZE LUBE, (apply to items 2 & 24)	
33	8520001	4	GREASE FITTING, STRAIGHT	
34		Ref	BOOM LIFT AND LOWER CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
35		Ref	SLAVE CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
36		Ref	FRAME SWAY CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
37		Ref	STABIL-TRAK CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-2. MAIN FRAME COMPONENTS (8042 SN 0160004670 through 0160033642; 10042 SN 0160004670 through 0160033649; 10054 SN 0160004670 through 0160033644)

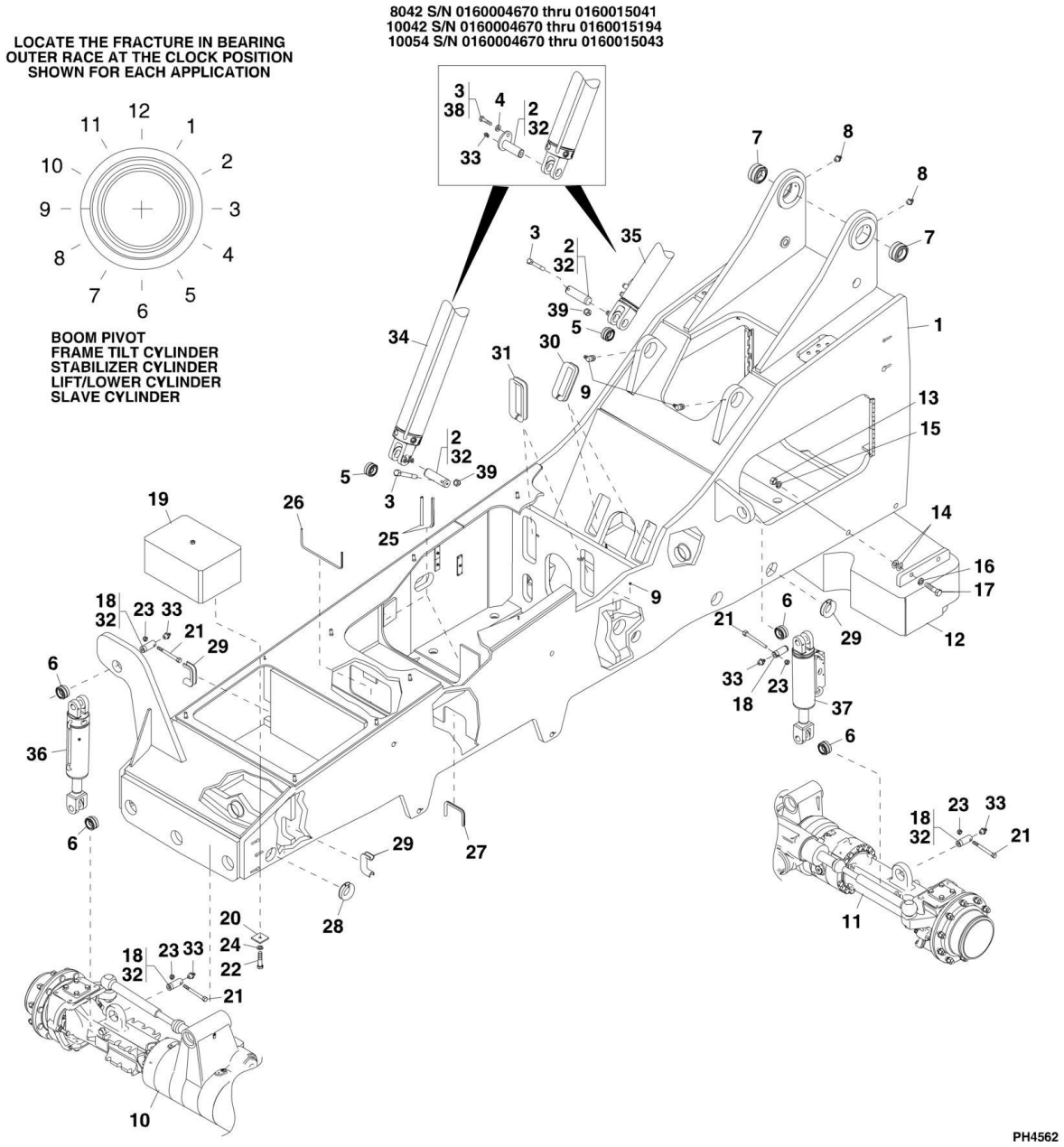


FIGURE 1-2. MAIN FRAME COMPONENTS (8042 SN 0160004670 through 0160033642; 10042 SN 0160004670 through 0160033649; 10054 SN 0160004670 through 0160033644)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.S.S.	1	FRAME WELDMENT	
2	7302039	4	LIFT/LOWER AND SLAVE CYLINDER PINS, (base and rod ends), (10042,10054,8042) **(8042 SN 0160004670 through 0160015041; 10042 SN 0160004670 through 0160015194; 10054 SN 0160004670 through 0160015043)**	
2	3423227	4	LIFT/LOWER AND SLAVE CYLINDER PINS, (base and rod ends), (10042,10054,8042) **(8042 SN 0160015042 through 0160045249; 10042 SN 0160015195 through 0160045249; 10054 SN 0160015044 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
3	8303625	4	HEX HD CAPSCREW, 1/2-13X1.25, GR5, (10042,10054,8042) **(8042 SN 0160004670 through 0160015041; 10042 SN 0160004670 through 0160015194; 10054 SN 0160004670 through 0160015043)**	
3	8303782	4	HEX HD CAPSCREW, 1/2-13X4.0, GR5, (10042,10054,8042) **(8042 SN 0160015042 through 0160045249; 10042 SN 0160015195 through 0160045249; 10054 SN 0160015044 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
4	8310056	4	PLAIN WASHER, 1/2, (10042,10054,8042) **(8042 SN 0160004670 through 0160015041; 10042 SN 0160004670 through 0160015194; 10054 SN 0160004670 through 0160015043)**	
5	8065640	4	BEARING, (Self Align)	
6	8050001	4	BEARING, (Self Align)	
7	8065641	2	BEARING, (Self Align)	
8	8520013	2	GREASE FITTING, STRAIGHT	
9	8520021	4	GREASE FITTING, 90	
10		Ref	FRONT AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
11		Ref	REAR AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
12	7138879	NLA	COUNTERWEIGHT, (no longer available, use 1001094786 (1), 4892600 (4), 8310051 (4), 0642222 (4), 4892200 (4) & 1001094877 (2) for replacement)	
13	8305021	4	HEX NUT, 1-8	
14	5724302	AR	WASHER, SHIM 0.06	
15	8307012	4	LOCKWASHER, 1	
16	8310066	AR	FLAT WASHER, 0.134	
17	8310051	4	HEX HD CAPSCREW, 1-8X4	
18	7137142	4	TILT AND STABIL-TRAK CYLINDER PINS	
19	7138888	NLA	FRONT COUNTERWEIGHT (no longer available, use 1001094787 (1) & 0642216 (2) for replacement) (8042)	
20	7139066	2	COUNTERWEIGHT HOLD DOWN PLATE (8042)	
21	8303752	4	HEX HD CAPSCREW, 0.312-18X3.5	
22	8303794	2	HEX HD CAPSCREW, 0.750-10X3.5, GR8 (8042)	
23	8305626	4	HEX LOCKNUT, 0.312-18	
24	8307010	2	LOCKWASHER, 0.750 (8042)	
25	7125871	AR	CONDUIT, 0.50X8, (cut to fit)	
26	7138368	AR	CONDUIT, 0.25X2, (cut to fit)	
27	7124301	AR	CONDUIT, 0.5X15.5, (cut to fit)	
28	7124471	AR	CONDUIT, 1 DIAX12.5, (cut to fit)	
29	7124451	AR	CONDUIT, 1 IDX8, (cut to fit)	
30	7139157	AR	CONDUIT, 1 IDX4, (cut to fit)	

SECTION 1 - FRAME AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
31	7139156	AR	CONDUIT, 1 IDX28, (cut to fit)	
32	8522012	AR	ANTI-SEIZE LUBE, (apply to items 2 & 24)	
33	8520001	8	GREASE FITTING, STRAIGHT	
34		Ref	BOOM LIFT AND LOWER CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
35		Ref	SLAVE CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
36		Ref	FRAME SWAY CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
37		Ref	STABIL-TRAK CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
38	8526007	AR	LOCTITE 242, (apply to item 3), (10042,10054,8042) **(8042 SN 0160004670 through 0160015041; 10042 SN 0160004670 through 0160015194; 10054 SN 0160004670 through 0160015043)**	
39	8305644	4	HEX LOCKNUT, 1/2-13, (10042,10054,8042) **(8042 SN 0160015042 through 0160045249; 10042 SN 0160015195 through 0160045249; 10054 SN 0160015044 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-3. MAIN FRAME COMPONENTS (8042 SN 0160033643 through 0160045249; 10042 SN 0160033650 through 0160045249; 10054 SN 0160033645 through 0160045249; Including 0160045255)

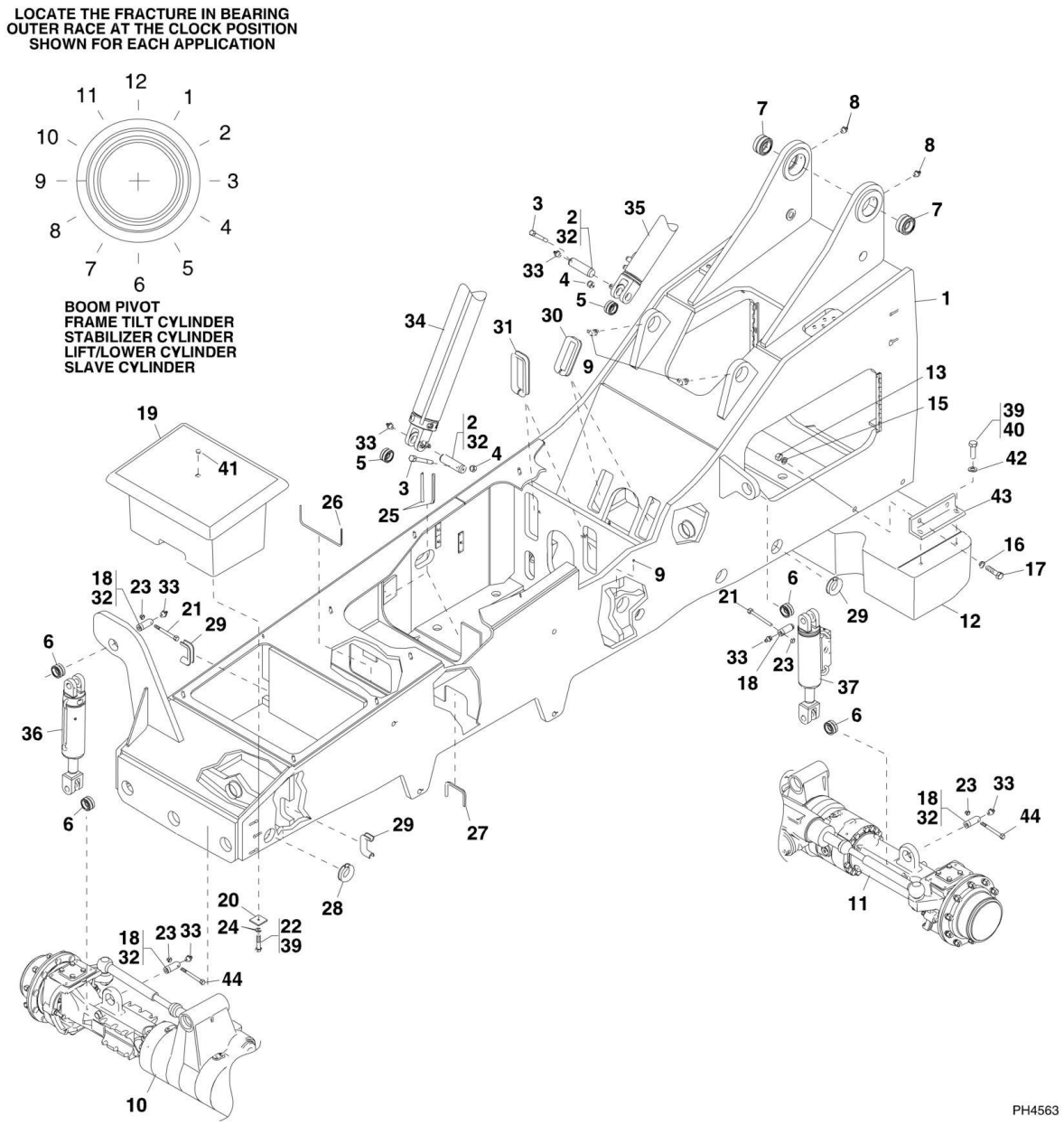


FIGURE 1-3. MAIN FRAME COMPONENTS (8042 SN 0160033643 through 0160045249; 10042 SN 0160033650 through 0160045249; 10054 SN 0160033645 through 0160045249; Including 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.S.S.	1	FRAME WELDMENT	
2	3423227	4	LIFT/LOWER AND SLAVE CYLINDER PINS, (base and rod ends)	
3	8303782	4	HEX HD CAPSCREW, 1/2-13X4.0, GR5	
4	8305644	4	HEX LOCKNUT, 1/2-13	
5	8065640	4	BEARING, (Self Align)	
6	8050001	4	BEARING, (Self Align)	
7	8065641	2	BEARING, (Self Align)	
8	8520013	2	GREASE FITTING, STRAIGHT	
9	8520021	4	GREASE FITTING, 90	
10		Ref	FRONT AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
11		Ref	REAR AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
12	1001094786	1	COUNTERWEIGHT	
13	8305021	4	HEX NUT, 1-8	
15	4762600	4	LOCKWASHER, 1	
16	4892600	4	FLAT WASHER, 1	
17	0642628	4	HEX HD CAPSCREW, 1-8X3-1/2	
18	7137142	4	TILT AND STABIL-TRAK CYLINDER PINS	
19	1001094787	1	FRONT COUNTERWEIGHT (8042)	
20	7139066	2	COUNTERWEIGHT HOLD DOWN PLATE (8042)	
21	8303752	4	HEX HD CAPSCREW, 0.312-18X3.5	
22	0642216	2	HEX HD CAPSCREW, 0.750-10X2, GR5 (8042)	
23	8305626	4	HEX LOCKNUT, 0.312-18	
24	8307010	2	LOCKWASHER, 0.750 (8042)	
25	7125871	AR	CONDUIT, 0.50X8, (cut to fit)	
26	7138368	AR	CONDUIT, 0.25X2, (cut to fit)	
27	7124301	AR	CONDUIT, 0.5X15.5, (cut to fit)	
28	7124471	AR	CONDUIT, 1 DIAX12.5, (cut to fit)	
29	7124451	AR	CONDUIT, 1 IDX8, (cut to fit)	
30	7139157	AR	CONDUIT, 1 IDX4, (cut to fit)	
31	7139156	AR	CONDUIT, 1 IDX28, (cut to fit)	
32	8522012	AR	ANTI-SEIZE LUBE, (apply to items 2 & 24)	
33	8520001	8	GREASE FITTING, STRAIGHT	
34		Ref	BOOM LIFT AND LOWER CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
35		Ref	SLAVE CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
36		Ref	FRAME SWAY CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
37		Ref	STABIL-TRAK CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
39	0100019	AR	LOCTITE 271, (apply to items 22 & 40)	
40	0642222	4	HEX HD CAPSCREW, 0.750-10X2-3/4	
41	3520030	1	PLUG, HOLE (8042)	
42	4892200	4	FLAT WASHER, 0.750	
43	1001094877	2	COUNTERWEIGHT MOUNTING ANGLE	
44	8310039	2	HEX HD CAPSCREW, 5/16-18X3-3/4, GR5	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-4. HOODS AND GUARDS (8042 SN 13198 through 0160029592; 10042 SN 13198 through 0160029606; 10054 SN 13198 through 0160029593)

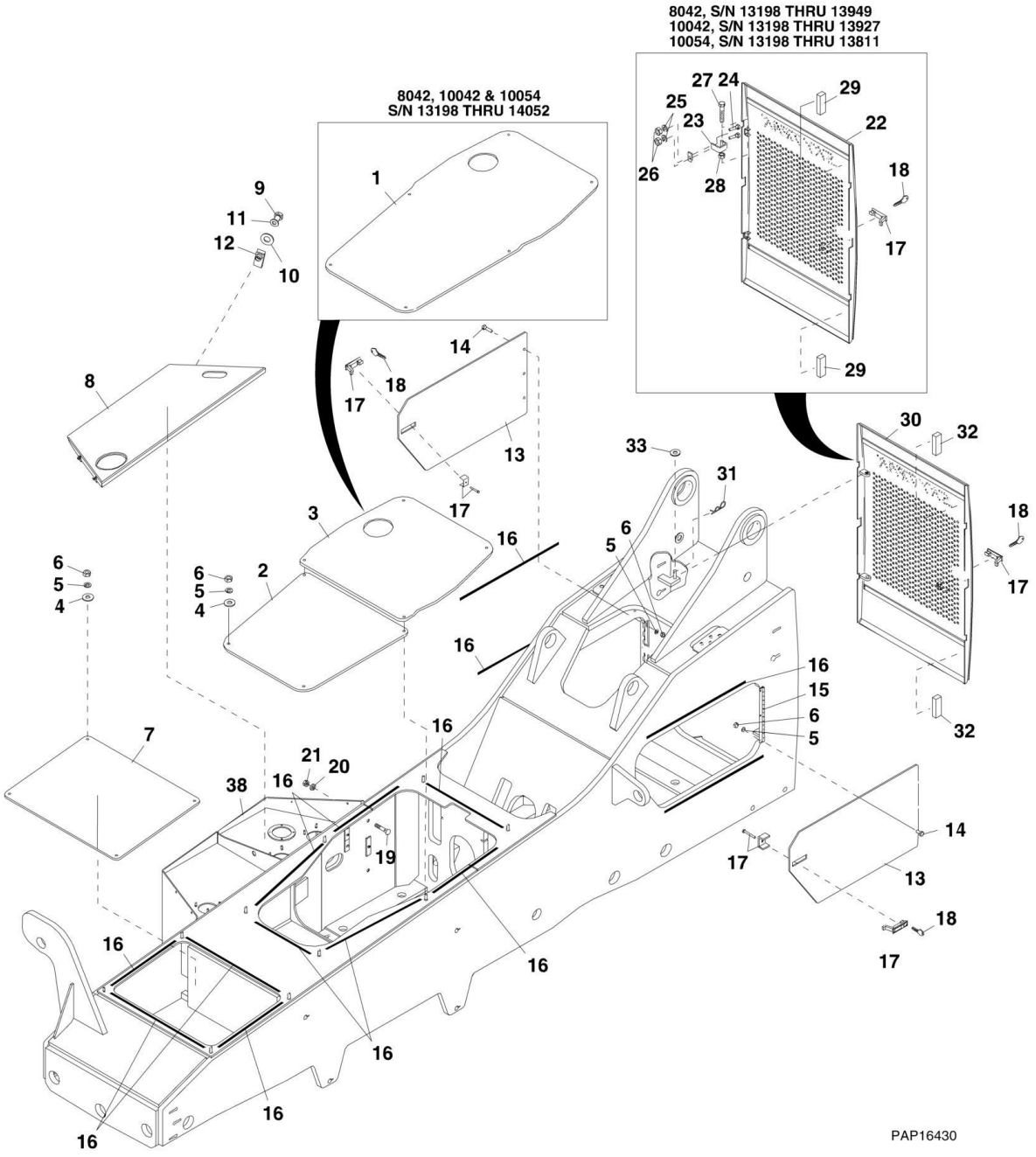


FIGURE 1-4. HOODS AND GUARDS (8042 SN 13198 through 0160029592; 10042 SN 13198 through 0160029606; 10054 SN 13198 through 0160029593)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7138730	NLA	TRANSMISSION COVER, (no longer available, use items 2 & 3 for replacement) **(SN 13198 through 14052)**	
2	7139406	1	LOWER TRANSMISSION COVER **(SN 14053 through 0160029592)**	
3	7139407	1	UPPER TRANSMISSION COVER **(SN 14053 through 0160029592)**	
4	8307202	10	FLAT WASHER, 1/4	
5	8307002	16	LOCKWASHER, 1/4	
6	8305004	16	HEX NUT, 1/4-20	
7	7139047	1	COUNTERWEIGHT COVER	
8	7150661	1	FUEL/HYDRAULIC TANK COVER	
9	8303656	4	HEX HD CAPSCREW, 5/16-18X7/8	
10	8307203	4	FLAT WASHER, 5/16	
11	8307004	4	LOCKWASHER, 5/16	
12	8310658	4	RETAINING NUT, 5/16	
13	7138709	2	SIDE ACCESS COVER	
14	8303729	6	HEX HD CAPSCREW, 1/4-20X5/8	
15	7094682	2	SIDE ACCESS COVER HINGE	
16	8581007	AR	FOAM TAPE, 230 IN, (sold by the inch)	
17	8342416	2	LATCH ASSY, WITH LOCK AND KEY, (includes item 18)	
18	8342808	AR	KEY SET	
19	8310129	4	CARRIAGE BOLT, 5/8-11X2-1/2	
20	8307009	4	LOCKWASHER, 5/8	
21	8305014	4	HEX NUT, 5/8-11	
		Ref	**8042 SN 13198 through 13949; 10042 SN 13198 through 13927; 10054 SN 13198 through 13811 (Illustration and Parts List Usage) (10042,10054,8042)**	
22	7150692	1	RADIATOR COVER	
23	7150653	2	REAR DOOR HINGE	
24	8303540	4	HEX HD CAPSCREW, 1/4-20X1	
25	8307002	4	LOCKWASHER, 1/4	
26	8305004	4	HEX NUT, 1/4-20	
27	8303622	2	HEX HD CAPSCREW, 3/8-16X2	
28	8305008	2	HEX NUT, 3/8-16	
29	5724742	2	GASKET	
		Ref	**8042 SN 13950 through 0160029592; 10042 SN 13928 through 0160029592; 10054 SN 13812 through 0160029592 (Illustration and Parts List Usage) (10042,10054,8042)**	
30	7139462	1	RADIATOR COVER	
31	8302470	2	COTTER PIN	
32	5724742	2	GASKET	
33	10732150	AR	FLAT WASHER, M10	
38		Ref	FUEL/HYDRAULIC TANK ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-5. HOODS AND GUARDS (8042 SN 0160029593 through 0160045249; 10042 SN 0160029607 through 0160045249; 10054 SN 0160029594 through 0160045249; Including 0160045255)

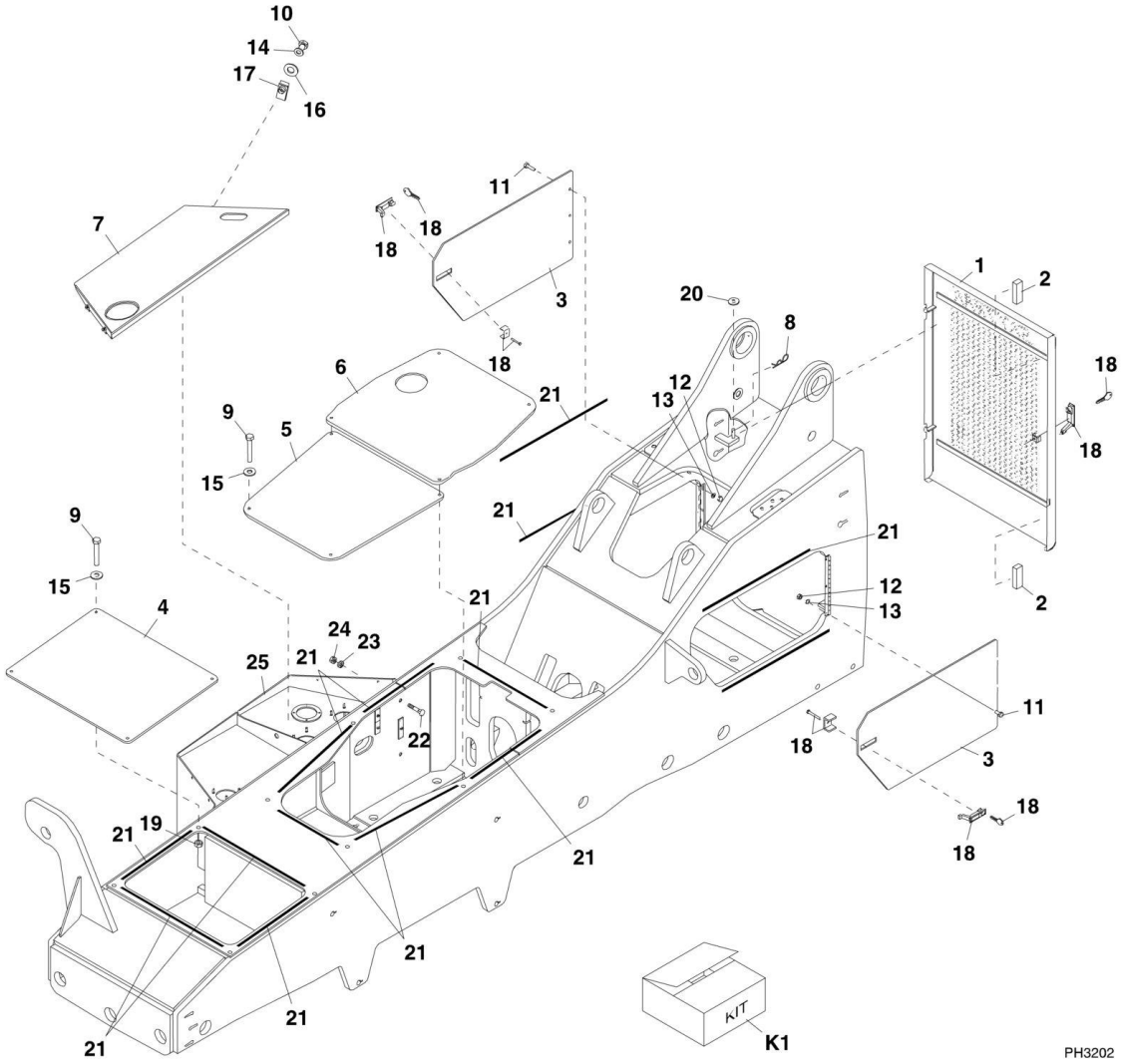


FIGURE 1-5. HOODS AND GUARDS (8042 SN 0160029593 through 0160045249; 10042 SN 0160029607 through 0160045249; 10054 SN 0160029594 through 0160045249; Including 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001094897	1	RADIATOR COVER **(SN 0160031620 through 0160040019)**	
1	1001125530	1	RADIATOR COVER **(SN 0160040020 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
2	90206196	AR	GASKET	
3	7138709	2	SIDE ACCESS COVER **(SN 0160029593 through 0160040219, Except SN 0160040126 through 0160040129, Excluding 0160040171 and 0160039850)**	
3	1001111568	1	LEFT SIDE ACCESS COVER **(SN 0160040220 through 0160045249, SN 0160040126 through 0160040129, Including 0160039850, 0160040171 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
3	1001111569	1	RIGHT SIDE ACCESS COVER **(SN 0160040220 through 0160045249, SN 0160040126 through 0160040129, Including 0160039850, 0160040171 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
4	7139047	1	COUNTERWEIGHT COVER (10042,10054)	
4	7139047	1	COUNTERWEIGHT COVER (8042) **(SN 0160029593 through 0160033643)**	
5	7139406	1	LOWER TRANSMISSION COVER	
6	7139407	1	UPPER TRANSMISSION COVER	
7	7150661	1	FUEL/HYDRAULIC TANK COVER	
8	8302470	2	COTTER PIN	
9	8303615	10	HEX HD CAPSCREW, 1/4-20X1-1/4, GR5	
10	8303656	4	HEX HD CAPSCREW, 5/16-18X7/8	
11	8303729	6	HEX HD CAPSCREW, 1/4-20X5/8	
12	8305004	6	HEX NUT, 1/4-20	
13	8307002	16	LOCKWASHER, 1/4	
14	8307004	4	LOCKWASHER, 5/16	
15	8307202	10	FLAT WASHER, 1/4	
16	8307203	4	FLAT WASHER, 5/16	
17	8310658	4	RETAINING NUT, 5/16	
18	Kit	NLA	LATCH ASSY, WITH LOCK AND KEY, (1001094075 is no longer available)	
18	1001131179	3	LATCH ASSY, WITH LOCK AND KEY **(SN 0160043513 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
18	8342808	AR	KEY SET	
19	8580420	10	WELL NUT	
20	10732150	8	FLAT WASHER, M10	
21	4420037	AR	FOAM TAPE	
22	8310129	4	CARRIAGE BOLT, 5/8-11X2-1/2	
23	8307009	4	LOCKWASHER, 5/8	
24	8305014	4	HEX NUT, 5/8-11	
25		Ref	FUEL/HYDRAULIC TANK ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
K1	1001132458	1	LATCH WITH PLATE REPLACEMENT KIT, (includes item 18)	

FIGURE 1-6. OUTRIGGER MOUNTING (10042,10054)

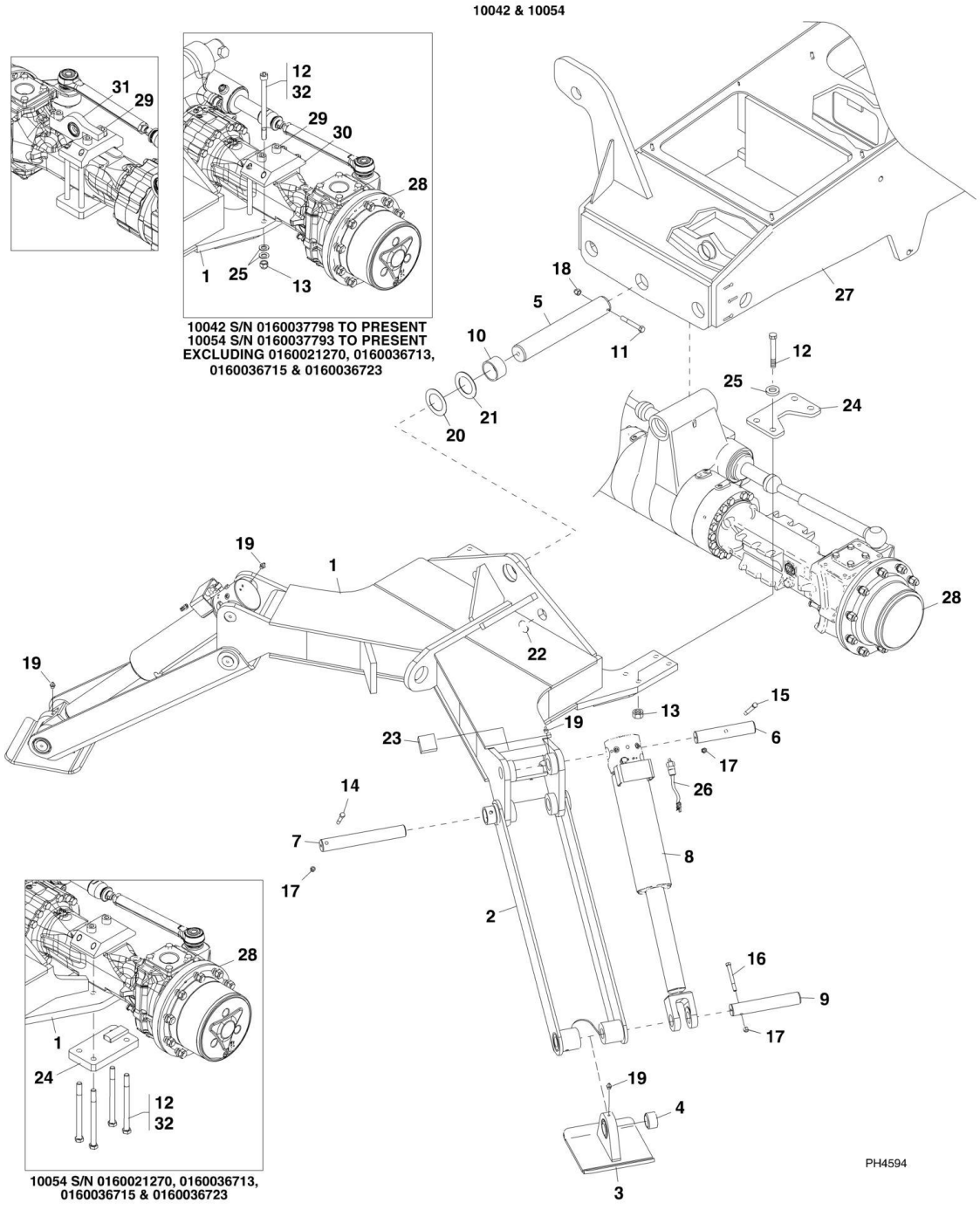


FIGURE 1-6. OUTRIGGER MOUNTING (10042,10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7138601	1	OUTRIGGER FRAME, **(10042 SN 0160002332 through 0160038368; 10054 SN 0160002332 through 0160038740)**	E
1	1001110483	1	OUTRIGGER FRAME **(10042 Including 0160038375; 10054 Including 0160021270; Including 0160038378, 0160038379, 0160038381, 0160038383, 0160036713, 0160036715, 0160036721 and 0160036723)**	C
1	1001107692	1	OUTRIGGER FRAME, **(10042 SN 0160038368 through 0160045249, Excluding 0160038375; 10054 SN 0160038740 through 0160045249, Excluding 0160021270; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220, 0160043244, 0160038378, 0160038379, 0160038381, 0160038383, 0160036713, 0160036715, 0160036721 and 0160036723)**	A
2	7091373	2	OUTRIGGER LEG	
3	7090822	2	OUTRIGGER PAD, (includes item 4)	
4	8065640	1	BEARING, (Self Align)	
5	7090832	1	AXLE PIVOT PIN (10042,10054) **(10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160018244, SN 0160002332 through 0160018374)**	
5	3423248	1	AXLE PIVOT PIN, (10042,10054) **(10042 SN 0160018395 through 0160045249; 10054 SN 0160018382 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
6	7090871	2	CYLINDER PIVOT PIN	
7	7090891	2	LEG PIVOT PIN	
8		Ref	OUTRIGGER CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
9	7090951	2	PAD PIVOT PIN	
10	8065063	1	BUSHING, 3 IDX2	
11	8303655	1	HEX HD CAPSCREW, 5/8X4-1/2, GR5 (10042,10054) **(10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160018244, SN 0160002332 through 0160018374)**	
11	0642640	1	HEX HD CAPSCREW, 1-8X5, (10042,10054) **(10042 SN 0160018395 through 0160045249; 10054 SN 0160018382 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
12	8310475	8	HEX HD CAPSCREW, 3/4X10, GR8, (torque to 260 lb-ft)	
12	1001106346	8	SOC HD CAPSCREW, 3/4-10X11, GR8, (torque to 260 lb-ft) (10042,10054) **(10042 Including 0160038375; 10054 Including 0160021270; Including 0160038378, 0160038379, 0160038381, 0160038383, 0160036713, 0160036715, 0160036721 and 0160036723)**	
13	8310067	8	LOCKNUT, 3/4, (10042,10054) **(10042 SN 0160002332 through 0160038368; 10054 SN 0160002332 through 016008740; Including 0160038375, 0160038378, 0160038379, 0160038381, 0160038383, 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
14	8303628	2	HEX HD CAPSCREW, 1/2X3-3/4, GR5	
15	8310151	2	HEX HD CAPSCREW, 1/2X7, GR5	
16	8303629	2	HEX HD CAPSCREW, 1/2X4-1/2, GR5	
17	8305644	6	LOCKNUT, 1/2	
18	8305643	1	LOCKNUT, 5/8 **(10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160018244, SN 0160002332 through 0160018374)**	

SECTION 1 - FRAME AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
18	8310116	1	LOCKNUT, 1/8, **(10042 SN 0160018395 through 0160045249; 10054 SN 0160018382 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
19	8520013	10	GREASE FITTING	
20	8307912	AR	SHIM, 0.06	
21	8307913	AR	SHIM, 0.12	
22	7124491	2	CONDUIT, 1 IDX15.5	
23	7125801	4	CONDUIT, 0.75 IDX4	
24	7138609	2	MOUNT PLATE, (10042,10054) **(10042 Prior to SN 0160038368, Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 Prior to SN 0160038740, Excluding 0160021270; Excluding 0160036713, 0160036715, 0160036721 and 0160036723)**	
24	1001107664	2	MOUNT PLATE, (10042,10054) **(10042 SN 0160038368 through 0160045249, Excluding 0160038375; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160038378, 0160038379, 0160038381 and 0160038383)**	
25	8307104	8	PLAIN WASHER, 3/4, (10042,10054) **(10042 SN 0160002332 through 0160038368; 10054 SN 0160002332 through 0160038740)**	
25	8307104	16	PLAIN WASHER, 3/4 (10042,10054) **(10042 Including 0160038375; 10054 Including 0160021270; Including 0160038378, 0160038379, 0160038381, 0160038383, 0160036713, 0160036715, 0160036721 and 0160036723)**	
26	8223536	2	PRESSURE SWITCH (10054)	
27		Ref	MAIN FRAME, (See MAIN FRAME COMPONENTS for Breakdown)	
28		Ref	FRONT AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
29	1001103619	5	SOCKET HD CAPSCREW, M22X1.5X80, (10042,10054) **(10042 SN 0160037798 through 0160045249; 10054 SN 0160037793 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
30	1001097046	1	MOUNTING BRACE (10042,10054) **(10042 Including 0160038375; 10054 Including 0160021270; Including 0160038378, 0160038379, 0160038381, 0160038383, 0160036713, 0160036715, 0160036721 and 0160036723)**	
30	1001107744	1	MOUNTING BRACE, (10042,10054) **(10042 SN 0160038368 through 0160045249, Excluding 0160038375; 10054 SN 0160038740 through 0160045249, Excluding 0160021270; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220, 0160043244, 0160038378, 0160038379, 0160038381, 0160038383, 0160036713, 0160036715, 0160036721 and 0160036723)**	
31	1001105428	1	LUG (10042,10054) **(10042 Including 0160038375; 10054 Including 0160021270; Including 0160038378, 0160038379, 0160038381, 0160038383, 0160036713, 0160036715, 0160036721 and 0160036723)**	
31	1001107746	1	LUG, (10042,10054) **(10042 SN 0160038368 through 0160045249, Excluding 0160038375; 10054 SN 0160038740 through 0160045249, Excluding 0160021270; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220, 0160043244, 0160038378, 0160038379, 0160038381, 0160038383, 0160036713, 0160036715, 0160036721 and 0160036723)**	
32	0100019	AR	LOCTITE 271	

SECTION 2 - BOOM

SECTION 2 - BOOM

FIGURE 2-1. FIRST BOOM SECTION (SN 13198 through 19987, SN 0160002332 through 0160004670)

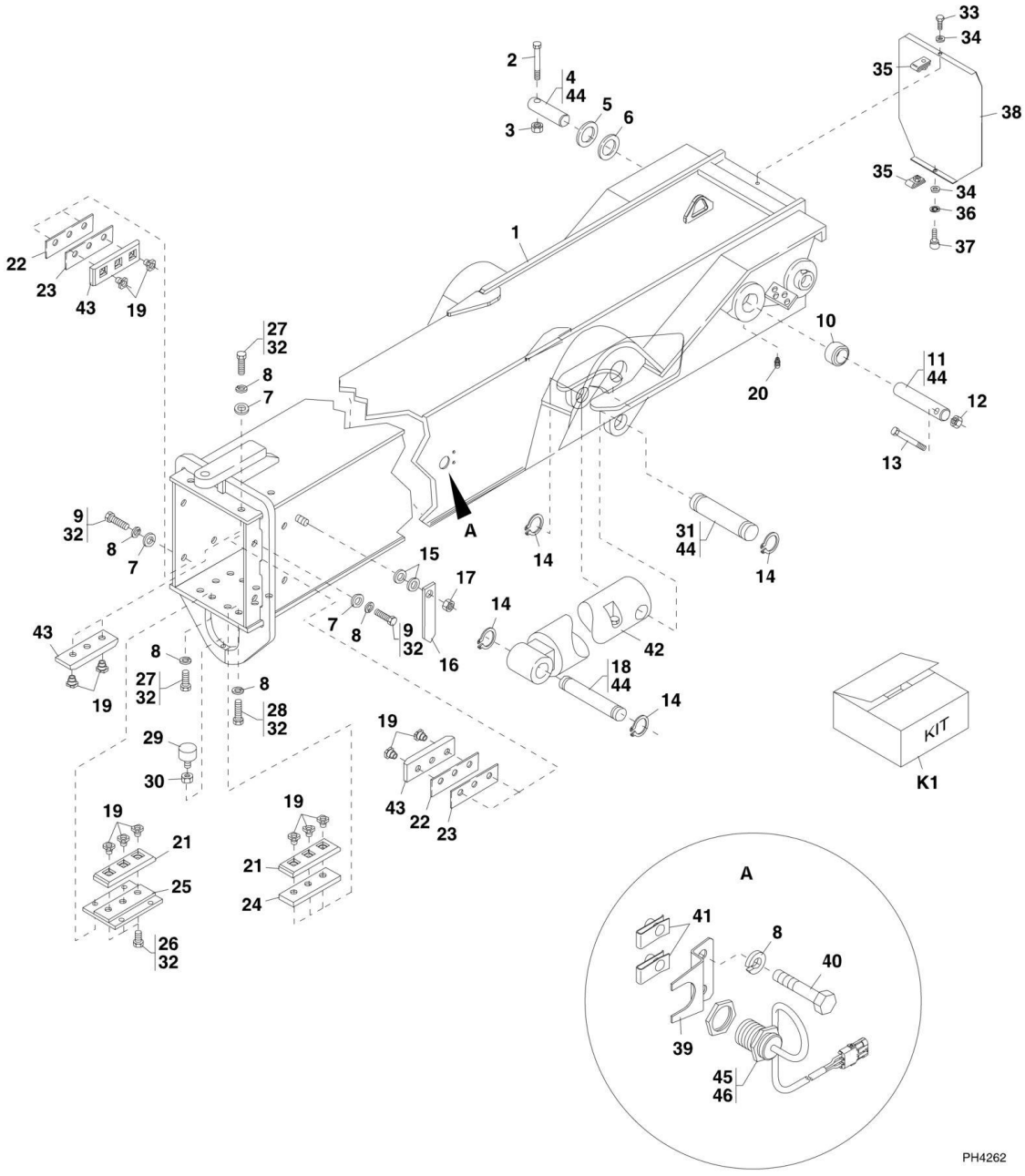


FIGURE 2-1. FIRST BOOM SECTION (SN 13198 through 19987, SN 0160002332 through 0160004670)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	Kit	1	FIRST BOOM SECTION, (See FIRST BOOM SECTION for Breakdown)	
2	8303655	2	HEX HD CAPSCREW, 5/8-11X4.50	
3	8305643	2	HEX LOCKNUT, 5/8-11	
4	7097682	2	BOOM PIVOT PIN	
5	8307910	AR	WASHER, SHIM, 2.75 DIAX.075	
6	8307911	AR	WASHER, SHIM, 2.75 DIAX.135	
7	8307204	12	FLAT WASHER, 3/8	
8	8307005	24	LOCKWASHER, 3/8	
9	8303681	8	HD HEX CAPSCREW, 3/8-16X3/4, (Loctite and torque to 31 lb-ft)	
10	8065640	4	BEARING, 2 DIA, (self align)	
11	7092292	4	HOIST AND SLAVE CYLINDER PINS	
12	8305644	4	HEX LOCKNUT, 1/2-13	
13	8303782	4	HEX HD CAPSCREW, 1/2-13X4	
14	8642224	4	RETAINING RING, 2 DIA	
15	8307113	2	FLAT WASHER, 7/16	
16	7075611	1	POINTER	
17	8305647	1	HEX LOCKNUT, 7/16-14	
18	7096562	1	EXTEND CYLINDER PIN, (rod end)	
19	7082311	21	WEAR PAD INSERT	
20	8520013	4	LUBE FITTING, STRAIGHT, 1/8	
21	7111572	3	WEAR PAD	
22	7082342	AR	SHIM, WEAR PAD, 0.07	
23	7082362	AR	SHIM, WEAR PAD, 0.13	
24	7096882	2	SPACER, WEAR PAD, 0.62	
25	7096772	1	SPACER, WEAR PAD, (special)	
26	8303041	3	HEX HD CAPSCREW, 3/8-16X1/2, (Loctite and torque to 31 lb-ft)	
27	8303620	8	HEX HD CAPSCREW, 3/8-16X1, (Loctite and torque to 31 lb-ft)	
28	8303621	6	HEX HD CAPSCREW, 3/8-16X1-1/2, (Loctite and torque to 31 lb-ft)	
29	5724622	1	RUBBER BUMPER	
30	8305645	1	HEX LOCKNUT, 3/8-16	
31	7096552	1	EXTEND CYLINDER PIN, (base end)	
32	8526007	AR	LOCTITE 242, (apply to items 9, 26, 27 & 28)	
33	8303697	1	HEX HD CAPSCREW, 5/16-18X3/4	
34	8307106	2	FLAT WASHER, 5/16	
35	8305906	2	RETAINER NUT, 5/16-18	
36	8310431	1	LOCKWASHER, 5/16, (internal tooth)	
37	8310497	1	THUMB SCREW, 5/16-18X1.50	
38	7116792	1	REAR BOOM COVER	
39	7138468	1	PROXIMITY SWITCH CLIP	
40	8303738	2	HEX HD CAPSCREW, 0.375-16X.88	
41	8310113	2	CAGE NUT, 0.375-16	
42		Ref	EXTEND/RETRACT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
43	7079572	6	WEAR PAD	
44	8522012	AR	ANTI-SEIZE LUBE, (apply to items 4, 11, 18 & 31)	
45	7099882	1	BOOM ANGLE SENSOR (10042,8042)	
46	7099882	2	BOOM ANGLE AND BOOM INTERLOCK SENSOR (10054)	
K1	7302086	1	FIRST BOOM SECTION SERVICE KIT, (includes item 1)	

FIGURE 2-2. FIRST BOOM SECTION (SN 0160004671 through 0160015024)

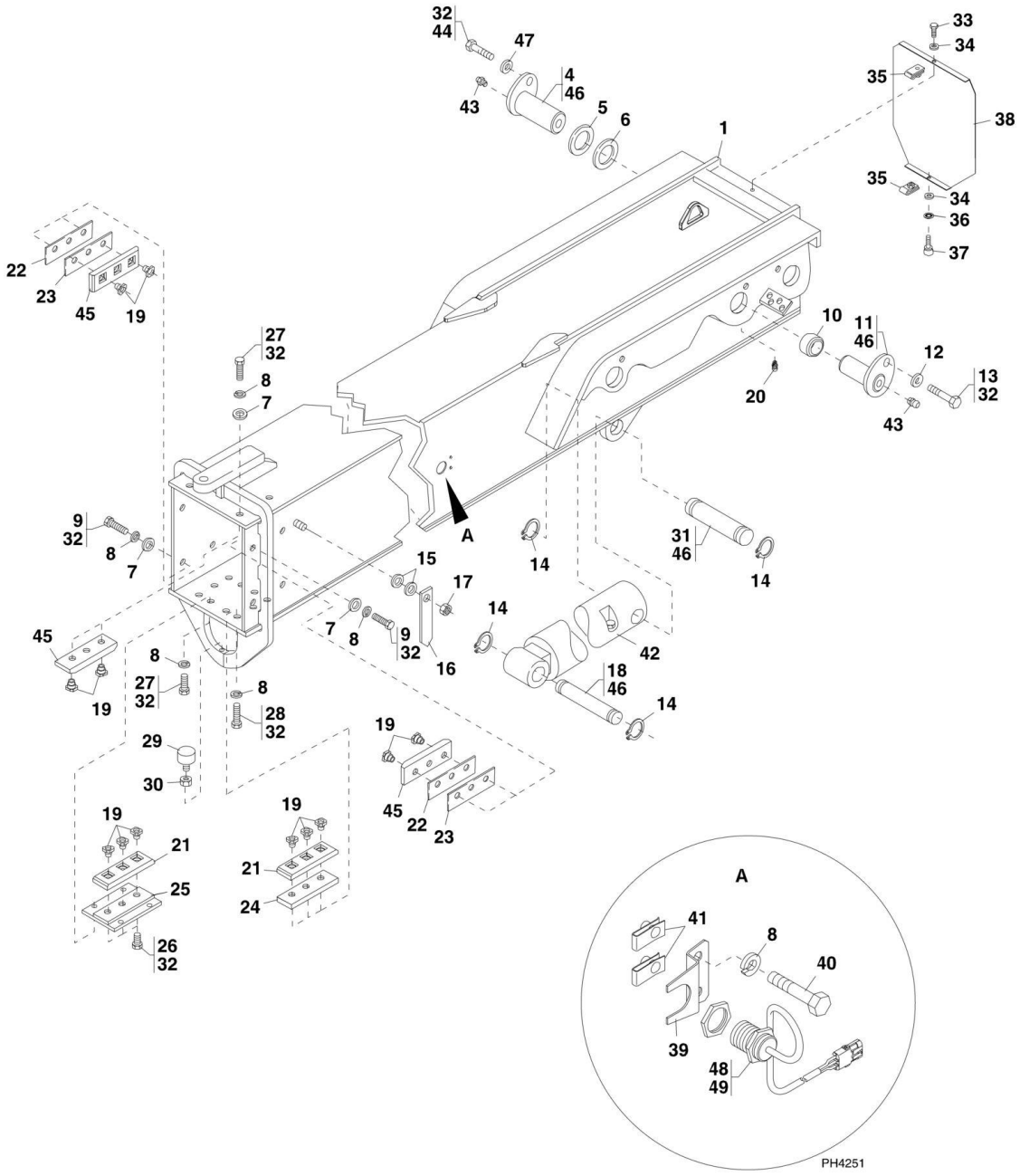
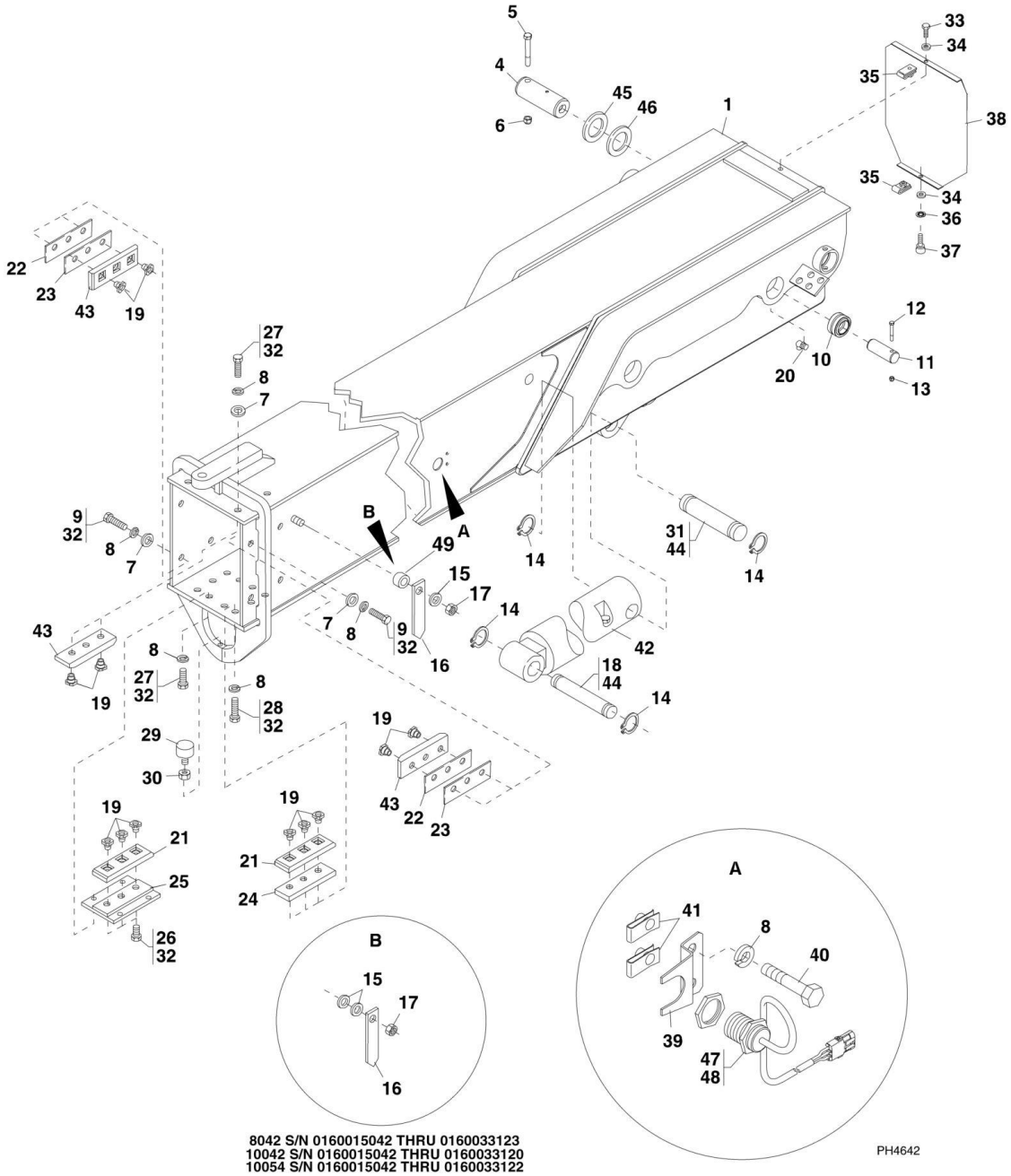


FIGURE 2-2. FIRST BOOM SECTION (SN 0160004671 through 0160015024)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7302010	1	FIRST BOOM SECTION	
4	7302024	2	BOOM PIVOT PIN	
5	8307910	AR	WASHER, SHIM, 2.75 DIAX.075	
6	8307911	AR	WASHER, SHIM, 2.75 DIAX.135	
7	8307204	12	FLAT WASHER, 3/8	
8	8307005	24	LOCKWASHER, 3/8	
9	8303681	8	HD HEX CAPSCREW, 3/8-16X3/4, (Loctite and torque to 31 lb-ft)	
10	8065640	4	BEARING, 2 DIA, (self align)	
11	7302039	4	HOIST AND SLAVE CYLINDER PINS	
12	8310056	4	PLAIN WASHER, 1/2	
13	8303625	4	HEX HD CAPSCREW, 1/2-13X1.25, GR5	
14	8642224	4	RETAINING RING, 2 DIA	
15	8307113	2	FLAT WASHER, 7/16	
16	7075611	1	POINTER	
17	8305647	1	HEX LOCKNUT, 7/16-14	
18	7096562	1	EXTEND CYLINDER PIN, (rod end)	
19	7082311	21	WEAR PAD INSERT	
20	8520013	4	LUBE FITTING, STRAIGHT, 1/8	
21	7111572	3	WEAR PAD	
22	7082342	AR	SHIM, WEAR PAD, (.07)	
23	7082362	AR	SHIM, WEAR PAD, (.13)	
24	7096882	2	SPACER, WEAR PAD, (.62)	
25	7096772	1	SPACER, WEAR PAD, (special)	
26	8303041	3	HEX HD CAPSCREW, 3/8-16X1/2, (Loctite and torque to 31 lb-ft)	
27	8303620	8	HEX HD CAPSCREW, 3/8-16X1, (Loctite and torque to 31 lb-ft)	
28	8303621	6	HEX HD CAPSCREW, 3/8-16X1-1/2, (Loctite and torque to 31 lb-ft)	
29	5724622	1	RUBBER BUMPER	
30	8305645	1	HEX LOCKNUT, 3/8-16	
31	7096552	1	EXTEND CYLINDER PIN, (base end)	
32	8526007	AR	LOCTITE 242, (apply to items 9, 13, 26, 27 & 28)	
33	8303697	1	HEX HD CAPSCREW, 5/16-18X3/4	
34	8307106	2	FLAT WASHER, 5/16	
35	8305906	2	RETAINER NUT, 5/16-18	
36	8310431	1	LOCKWASHER, 5/16, (internal tooth)	
37	8310497	1	THUMB SCREW, 5/16-18X1.50	
38	7116792	1	REAR BOOM COVER	
39	7138468	1	PROXIMITY SWITCH CLIP	
40	8303738	2	HEX HD CAPSCREW, 0.375-16X.88	
41	8310113	2	CAGE NUT, 0.375-16	
42		Ref	EXTEND/RETRACT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
43	8520001	6	LUBE FITTING, 1/8	
44	8303712	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
45	7079572	6	WEAR PAD	
46	8522012	AR	ANTI-SEIZE LUBE, (apply to items 4, 11, 18 & 31)	
47	8310058	2	PLAIN WASHER, 5/8	
48	7099882	1	BOOM ANGLE SENSOR (10042,8042)	
49	7099882	2	BOOM ANGLE AND BOOM INTERLOCK SENSOR (10054)	

SECTION 2 - BOOM

FIGURE 2-3. FIRST BOOM SECTION (SN 0160015042 through 0160045249, Including 0160045255)



8042 S/N 0160015042 THRU 0160033123
10042 S/N 0160015042 THRU 0160033120
10054 S/N 0160015042 THRU 0160033122

FIGURE 2-3. FIRST BOOM SECTION (SN 0160015042 through 0160045249, Including 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7302010	1	FIRST BOOM SECTION	
4	3423226	2	BOOM PIVOT PIN	
5	8303655	2	HEX HD CAPSCREW, 5/8-11X4-1/2, GR5	
6	8305643	2	LOCKNUT, 5/8-11	
7	8307204	12	FLAT WASHER, 3/8	
8	8307005	24	LOCKWASHER, 3/8	
9	8303681	8	HD HEX CAPSCREW, 3/8-16X3/4, (Loctite and torque to 31 lb-ft)	
10	8065640	4	BEARING, 2 DIA, (self align)	
11	3423227	4	HOIST AND SLAVE CYLINDER PINS	
12	8303782	4	HEX HD CAPSCREW, 1/2-13X4, GR5	
13	8305644	4	LOCKNUT, 1/2-13	
14	8642224	4	RETAINING RING, 2 DIA	
15	8307113	2	FLAT WASHER, 7/16 (10042,10054,8042) **(8042 SN 0160015042 through 0160033123; 10042 SN 0160015042 through 0160033120; 10054 SN 0160015042 through 0160033122)**	
15	4711600	1	FLAT WASHER, 3/8 (10042,10054,8042) **(8042 SN 0160033124 through 0160045249; 10042 SN 0160033121 through 0160045249; 10054 SN 0160033123 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
16	7075611	1	POINTER (10042,10054,8042) **(8042 SN 0160015042 through 0160033123; 10042 SN 0160015042 through 0160033120; 10054 SN 0160015042 through 0160033122)**	
16	1001098769	1	POINTER (10042,10054,8042) **(8042 SN 0160033124 through 0160045249; 10042 SN 0160033121 through 0160045249; 10054 SN 0160033123 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
17	8305647	1	HEX LOCKNUT, 7/16-14 (10042,10054,8042) **(8042 SN 0160015042 through 0160033123; 10042 SN 0160015042 through 0160033120; 10054 SN 0160015042 through 0160033122)**	
17	8305645	1	HEX LOCKNUT, 3/8-16, (torque to 12 lb-ft) (10042,10054,8042) **(8042 SN 0160033124 through 0160045249; 10042 SN 0160033121 through 0160045249; 10054 SN 0160033123 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
18	7096562	1	EXTEND CYLINDER PIN, (rod end)	
19	7082311	21	WEAR PAD INSERT	
20	8520003	4	LUBE FITTING, 90, 1/8	
21	7111572	3	WEAR PAD	
22	7082342	AR	SHIM, WEAR PAD, 0.07	
23	7082362	AR	SHIM, WEAR PAD, 0.13	
24	7096882	2	SPACER, WEAR PAD, 0.62	
25	7096772	1	SPACER, WEAR PAD, (special)	
26	8303041	3	HEX HD CAPSCREW, 3/8-16X1/2, (Loctite and torque to 31 lb-ft)	
27	8303620	8	HEX HD CAPSCREW, 3/8-16X1, (Loctite and torque to 31 lb-ft)	
28	8303621	6	HEX HD CAPSCREW, 3/8-16X1-1/2, (Loctite and torque to 31 lb-ft)	
29	5724622	1	RUBBER BUMPER	
30	3311601	1	HEX LOCKNUT, 3/8-16, (apply item 32)	
31	7096552	1	EXTEND CYLINDER PIN, (base end)	
32	8526007	AR	LOCTITE 242, (apply to items 9, 13, 26, 27, 28 & 30)	

SECTION 2 - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
33	8303697	1	HEX HD CAPSCREW, 5/16-18X3/4	
34	8307106	2	FLAT WASHER, 5/16	
35	8305906	2	RETAINER NUT, 5/16-18	
36	8310431	1	LOCKWASHER, 5/16, (internal tooth)	
37	8310497	1	THUMB SCREW, 5/16-18X1.50	
38	7116792	1	REAR BOOM COVER	
39	7138468	1	PROXIMITY SWITCH CLIP	
40	8303738	2	HEX HD CAPSCREW, 0.375-16X.88	
41	8310113	2	CAGE NUT, 0.375-16	
42		Ref	EXTEND/RETRACT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
43	7079572	6	WEAR PAD	
44	8522012	AR	ANTI-SEIZE LUBE, (apply to items 4, 11, 18 & 31)	
45	8307910	AR	WASHER, SHIM, 2.75 DIAX.075	
46	8307911	AR	WASHER, SHIM, 2.75 DIAX.135	
47	7099882	1	BOOM ANGLE SENSOR (10042,8042)	
48	7099882	2	BOOM ANGLE AND BOOM INTERLOCK SENSOR (10054)	
49	1001096404	1	SPACER, ANGLE INDICATOR (10042,10054,8042) **(8042 SN 0160033124 through 0160045249; 10042 SN 0160033121 through 0160045249; 10054 SN 0160033123 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	

FIGURE 2-4. FIRST BOOM SECTION SERVICE KIT

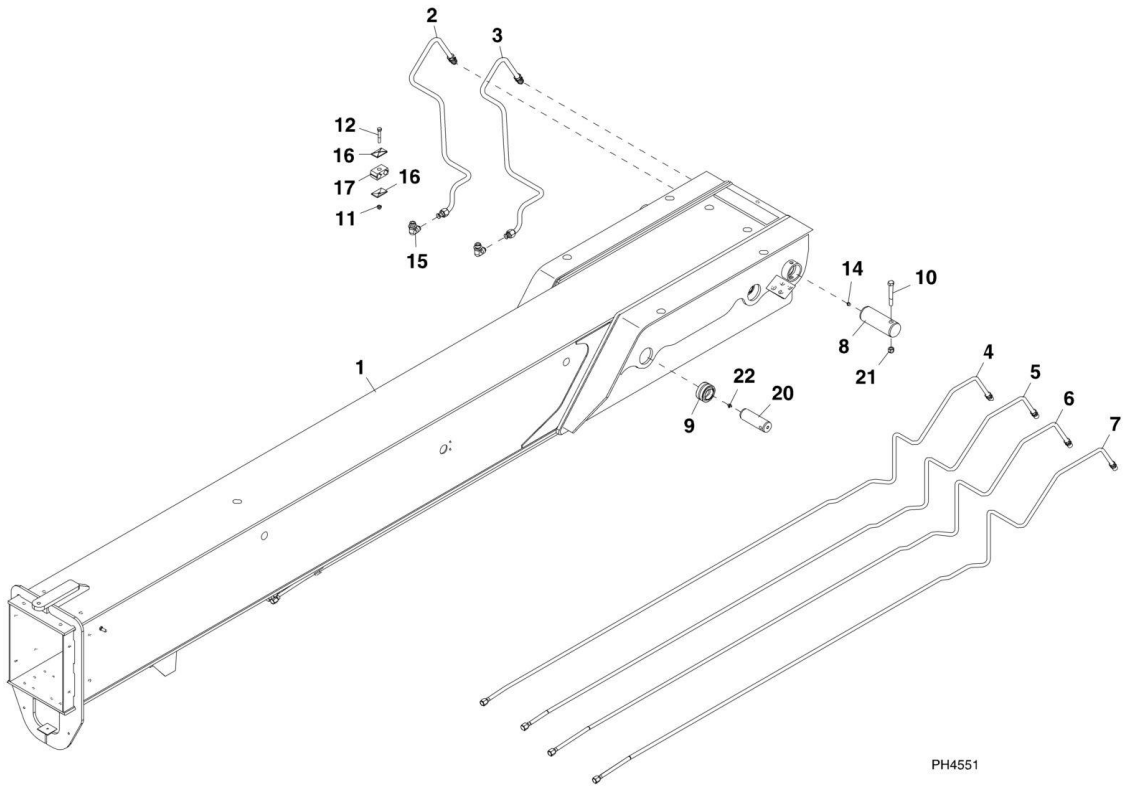
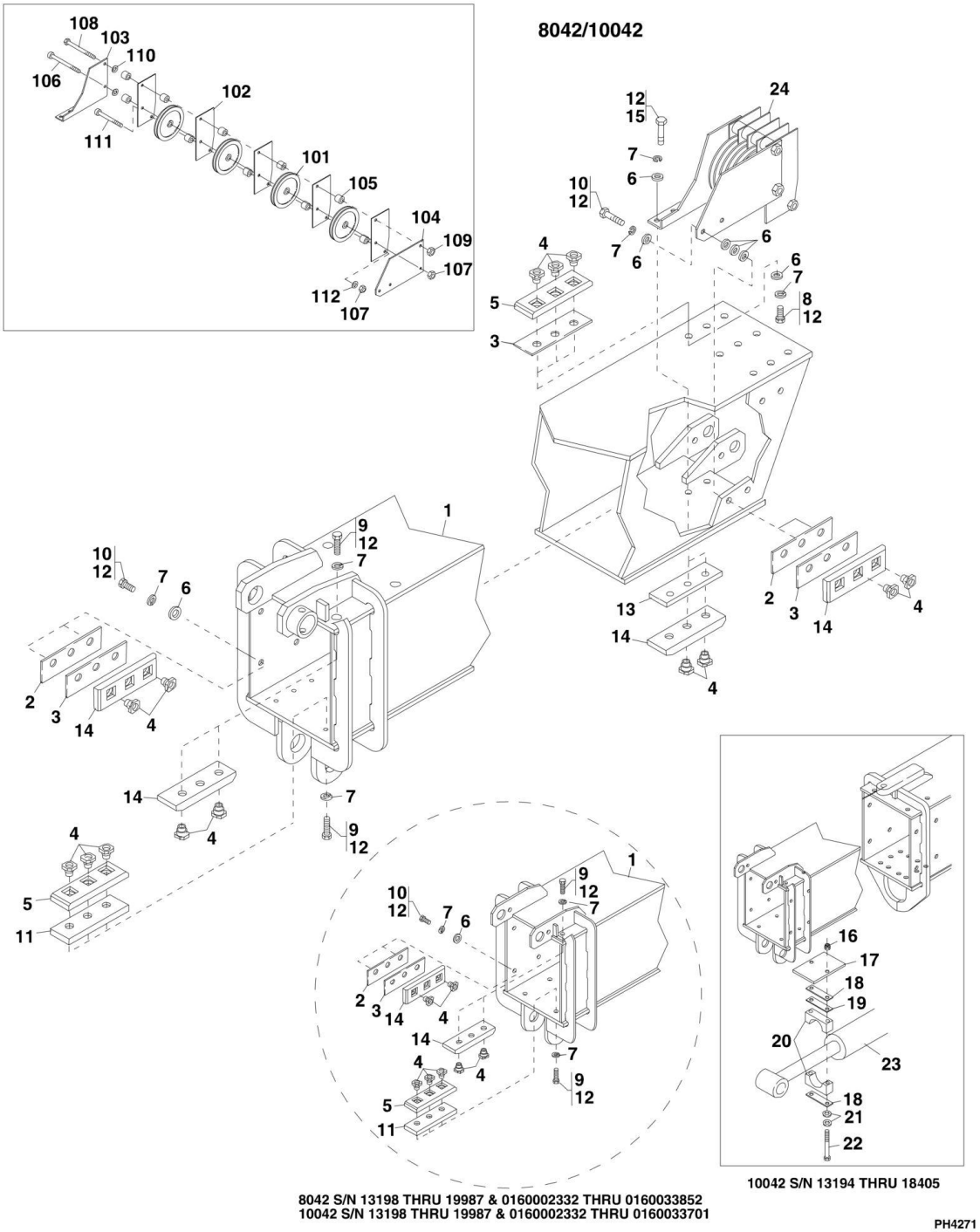


FIGURE 2-4. FIRST BOOM SECTION SERVICE KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7302086	1	OUTER BOOM REPLACEMENT KIT, (includes all items)	C
1	7302010	1	FIRST BOOM SECTION	
2	3460383	1	BOOM EXTEND TUBE ASSY, (inner)	
3	3460384	1	BOOM EXTEND TUBE ASSY, (outer)	
4	7300672	1	BOOM TILT TUBE ASSY, (inner)	
5	7300673	1	BOOM TILT TUBE ASSY, (outer)	
6	7300674	1	BOOM AUX TUBE ASSY, (inner)	
7	7300675	1	BOOM AUX TUBE ASSY, (outer)	
8	3423226	2	BOOM PIVOT PIN	
9	8065640	4	BEARING, (self align)	
10	8303655	2	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5	
11	8305626	1	HEX LOCKNUT, 5/16-18	
12	0641520	1	HEX HD CAPSCREW, 5/16-18X2-1/2, GR5	
14	8520001	2	LUBE FITTING, STRAIGHT, 1/8	
15	8760305	2	ELBOW, 90, (includes o-ring)	
16	8769128	2	TWIN COVER PLATE	
17	8769139	1	CLAMP SET, 750 DIA.	
20	3423227	4	HOIST AND SLAVE CYLINDER PIN	
21	8305643	2	LOCKNUT, 5/8-11	
22	8520003	4	LUBE FITTING, 90, 1/8	

FIGURE 2-5. SECOND BOOM SECTION (10042,8042)



8042 S/N 13198 THRU 19987 & 0160002332 THRU 0160033852
10042 S/N 13198 THRU 19987 & 0160002332 THRU 0160033701

10042 S/N 13194 THRU 18405

PH4271

FIGURE 2-5. SECOND BOOM SECTION (10042,8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7116784	NLA	SECOND BOOM SECTION, (no longer available, use 1001098089, 1001097735, 8305643 & 8303634 for replacement) (10042,8042) **(8042 SN 13198 through 19987; 10042 SN 13198 through 19987; SN 0160002332 through 0160033852, SN 0160002332 through 0160033701)**	
1	1001098089	1	SECOND BOOM SECTION, (10042,8042) **(8042 SN 0160033853 through 0160045249; 10042 SN 0160033702 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
2	7082362	AR	SHIM, WEAR PAD, (.13)	
3	7082342	AR	SHIM, WEAR PAD, (.07)	
4	7082311	37	WEAR PAD INSERT	
5	7111572	5	WEAR PAD	
6	8307204	27	FLAT WASHER, 3/8	
7	8307005	37	LOCKWASHER, 3/8	
8	8303620	9	HEX HD CAPSCREW, 3/8-16X1, (Loctite and torque to 31 lb-ft)	
9	8303621	10	HEX HD CAPSCREW, 3/8-16X1-1/2, (Loctite and torque to 31 lb-ft)	
10	8303681	16	HEX HD CAPSCREW, 3/8-16X3/4, (Loctite and torque to 31 lb-ft)	
11	7096882	2	WEAR PAD SPACER, (0.62 thick)	
13	7096702	3	WEAR PAD SPACER, (0.5)	
14	7079572	11	WEAR PAD	
15	8303675	2	HEX HD CAPSCREW, 3/8-16X1-1/4, (Loctite and torque to 31 lb-ft)	
16	8305643	2	HEX LOCKNUT, 5/8-11	
17	7110002	1	BOOM STOP PLATE	
18	8769159	2	COVER PLATE	
19	8769160	1	SAFETY PLATE	
20	8769158	1	SINGLE CLAMP, 3	
21	8307107	AR	FLAT WASHER, 5/8	
22	8303717	2	HEX HD CAPSCREW, 5/8-11X7-1/2, GR5	
23		Ref	EXTEND/RETRACT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
24	7116733	1	HOSE PULLEY ASSY, (includes items 101 thru 112)	C
101	7116812	4	ROLLER PULLEY	
102	7116642	5	DIVIDER	
103	7116652	1	BRACKET, (right side)	
104	7116662	1	BRACKET, (left side)	
105	7116691	10	SPACER	
106	8310235	1	SHOULDER SCREW, 1/2X5	
107	8305645	2	LOCKNUT, 3/8-16	
108	8310209	1	HEX HD CAPSCREW, 1/2-13X6	
109	8305644	1	LOCKNUT, 1/2-13	
110	8307206	2	FLAT WASHER, 1/2	
111	8310245	1	SHOULDER SCREW, 1/2X4	
112	8307204	1	FLAT WASHER, 3/8	

FIGURE 2-6. SECOND BOOM SECTION (10054)

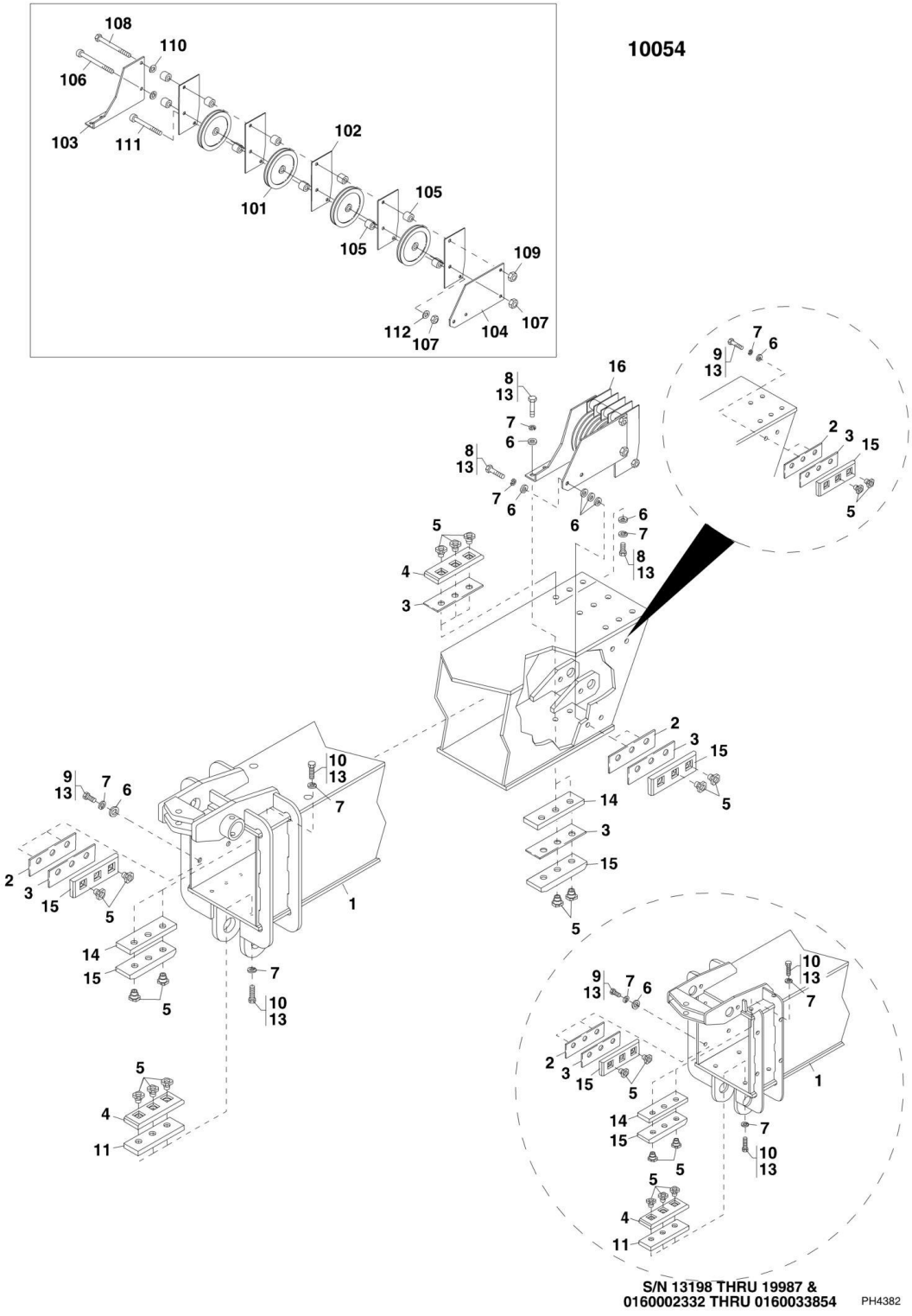


FIGURE 2-6. SECOND BOOM SECTION (10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7118854	NLA	SECOND BOOM SECTION, (no longer available, use 1001097721, 1001097735, 8305643 & 8303634 for replacement) **(10054 SN 0160013198 through 0160019987; SN 0160002332 through 0160033854)**	
1	1001097721	1	SECOND BOOM SECTION **(SN 0160033855 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
2	7082362	AR	SHIM, WEAR PAD, 0.13	
3	7082342	AR	SHIM, WEAR PAD, 0.075	
4	7111572	5	WEAR PAD	
5	7082311	36	WEAR PAD INSERT	
6	8307204	26	FLAT WASHER, 3/8	
7	8307005	36	LOCKWASHER, 3/8	
8	8303620	8	HEX HD CAPSCREW, 3/8-16X1	
9	8303681	14	HEX HD CAPSCREW, 3/8-16X3/4, (Loctite and torque to 31 lb-ft)	
10	8303621	12	HEX HD CAPSCREW, 3/8-16X1-1/2, (Loctite and torque to 31 lb-ft)	
11	7096882	2	SPACER, WEAR PAD, 0.62	
13	8526007	AR	LOCTITE 242, (apply to items 8, 9 & 10)	
14	7096702	3	SPACER, WEAR PAD, (1/2)	
15	7079572	11	WEAR PAD	
16	7116733	1	HOSE PULLEY ASSY, (includes items 101 thru 112)	C
101	7116812	4	ROLLER PULLEY	
102	7116642	5	DIVIDER	
103	7116652	1	BRACKET, (right side)	
104	7116662	1	BRACKET, (left side)	
105	7116691	10	SPACER	
106	8310235	1	SHOULDER SCREW, 1/2X5	
107	8305645	2	LOCKNUT, 3/8-16	
108	8310209	1	HEX HD CAPSCREW, 1/2-13X6	
109	8305644	1	LOCKNUT, 1/2-13	
110	8307206	2	FLAT WASHER, 1/2	
111	8310245	1	SHOULDER SCREW, 1/2X4	
112	8307204	1	FLAT WASHER, 3/8	

FIGURE 2-7. THIRD BOOM SECTION (10042,8042)

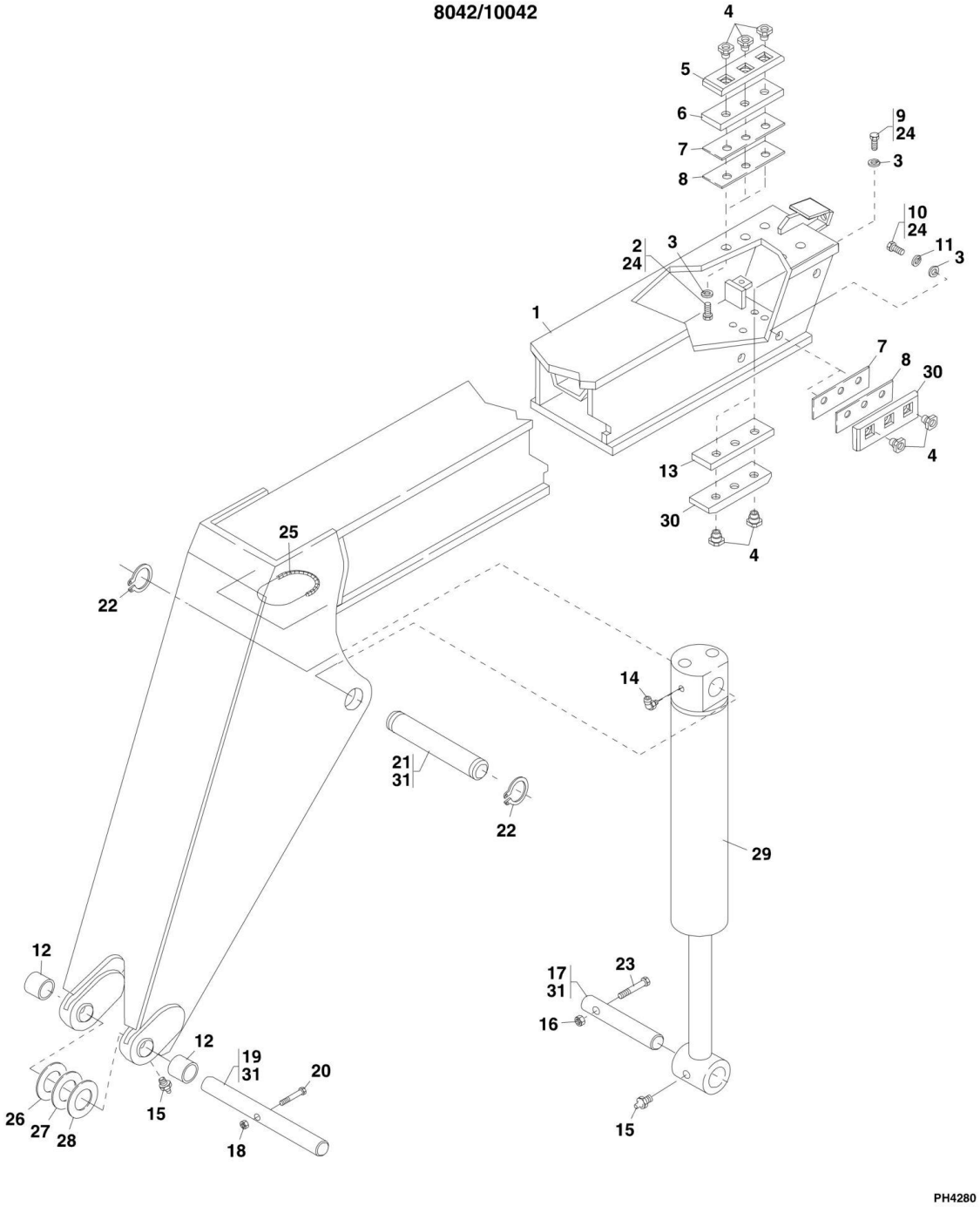


FIGURE 2-7. THIRD BOOM SECTION (10042,8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7117113	1	THIRD BOOM SECTION	
2	8303679	6	HEX HD CAPSCREW, 3/8-16X1-3/4, (Loctite and torque to 31 lb-ft)	
3	8307005	16	LOCKWASHER, 3/8	
4	7082311	16	WEAR PAD INSERT	
5	7111572	2	WEAR PAD	
6	7096882	2	SPACER, WEAR PAD, 0.62	
7	7082362	AR	SHIM, WEAR PAD, 0.13	
8	7082342	AR	SHIM, WEAR PAD, 0.07	
9	8303675	2	HEX HD CAPSCREW, 3/8-16X1-1/4, (Loctite and torque to 31 lb-ft)	
10	8303681	8	HEX HD CAPSCREW, 3/8-16X3/4, (Loctite and torque to 31 lb-ft)	
11	8307204	8	FLAT WASHER, 3/8	
12	7095312	2	QUICK ATTACH PIVOT BUSHING	
13	7096702	1	SPACER, WEAR PAD, 0.5	
14	8520021	1	LUBE FITTING, 90, 1/8	
15	8520013	3	LUBE FITTING, STRAIGHT, 1/8	
16	8305644	1	HEX LOCKNUT, 1/2-13	
17	7083992	1	ATTACHMENT TILT CYLINDER PIN, (rod end)	
18	8305643	1	HEX LOCKNUT, 5/8-11	
19	7095352	1	QUICK ATTACH PIVOT PIN	
20	8303666	1	HEX HD CAPSCREW, 5/8-11X5	
21	7095522	1	ATTACHMENT TILT CYLINDER PIN, (base end)	
22	8642224	2	RETAINING RING, 2 DIA	
23	8303772	1	HEX HD CAPSCREW, 1/2-13X5	
25	7125811	1	PLASTIC CONDUIT, 3/4X8	
26	8307918	2	WASHER, SHIM 2X3.5X.134	
27	8310093	AR	WASHER, SHIM 2X3.5X.75	
28	8307904	AR	WASHER, SHIM 2X3.5X.048	
29		Ref	ATTACHMENT TILT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
30	7079572	5	WEAR PAD	
31	8522012	AR	ANTI SEIZE LUBE, (apply to items 17, 19 & 21)	

FIGURE 2-8. THIRD BOOM SECTION (10054)

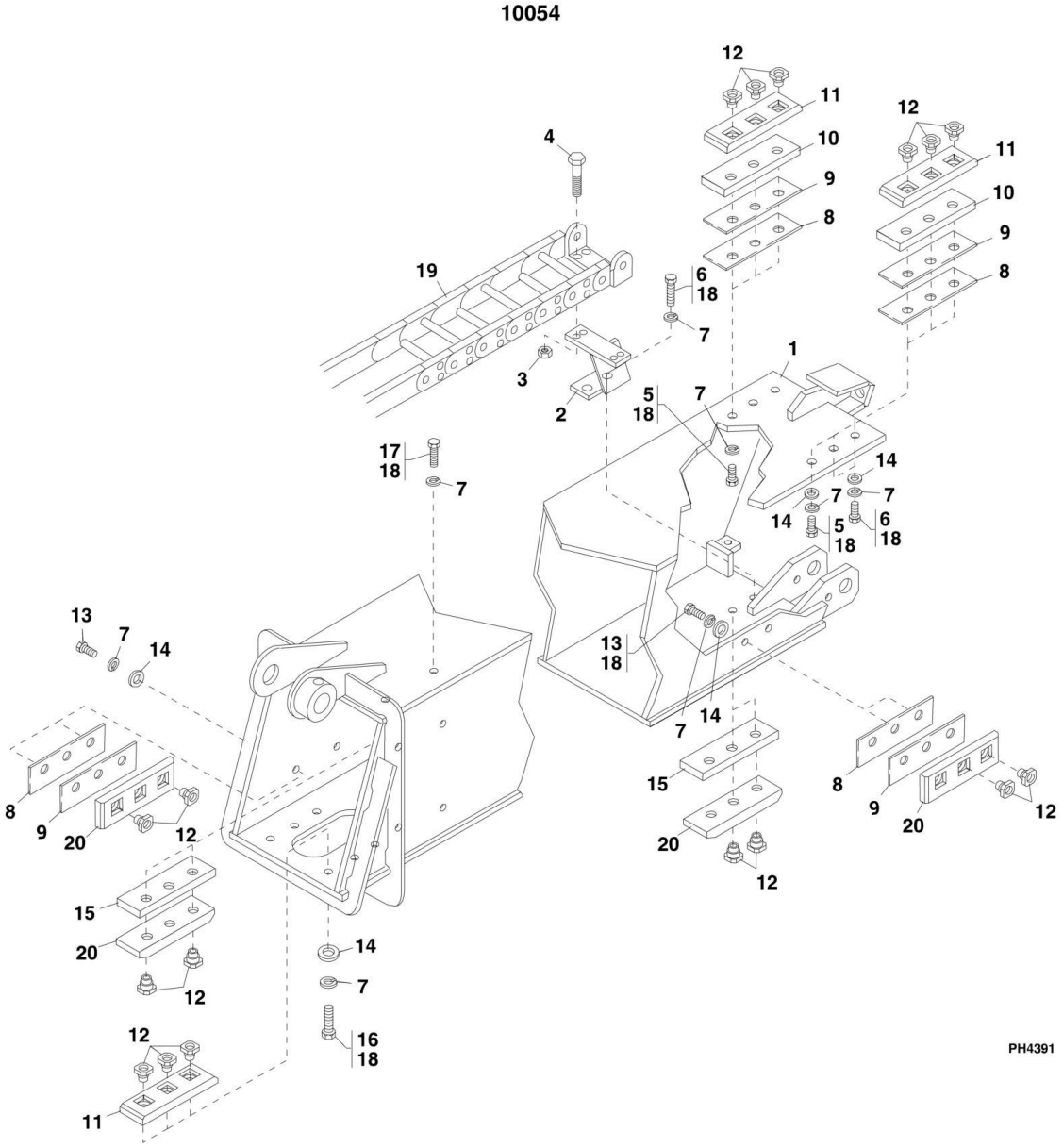


FIGURE 2-8. THIRD BOOM SECTION (10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7117414	1	THIRD BOOM SECTION	
2	7112732	1	HOSE CLAMP SUPPORT	
3	8305624	4	HEX LOCKNUT, 1/4-20	
4	8310026	4	HEX HD CAPSCREW, 1/4-20X3/4	
5	8303679	4	HEX HD CAPSCREW, 3/8-16X1-3/4, (Loctite and torque to 31 lb-ft)	
6	8303622	2	HEX HD CAPSCREW, 3/8-16X2, (Loctite and torque to 31 lb-ft)	
7	8307005	34	LOCKWASHER, 3/8	
8	7082362	AR	SHIM, WEAR PAD, 0.13	
9	7082342	AR	SHIM, WEAR PAD, 0.07	
10	7096882	2	SPACER, WEAR PAD, 0.62	
11	7111572	5	WEAR PAD	
12	7082311	34	WEAR PAD INSERT	
13	8303681	16	HEX HD CAPSCREW, 3/8-16X3/4, (Loctite and torque to 31 lb-ft)	
14	8307204	25	FLAT WASHER, 3/8	
15	7096702	3	SPACER, WEAR PAD, 0.50	
16	8303620	6	HEX HD CAPSCREW, 3/8-16X1, (Loctite and torque to 31 lb-ft)	
17	8303621	4	HEX HD CAPSCREW, 3/8-16X1-1/2, (Loctite and torque to 31 lb-ft)	
19		Ref	HOSE CARRIER, (See HYDRAULIC CIRCUITS SECTION for Breakdown)	
20	7079572	11	WEAR PAD	

FIGURE 2-9. FOURTH BOOM SECTION (10054)

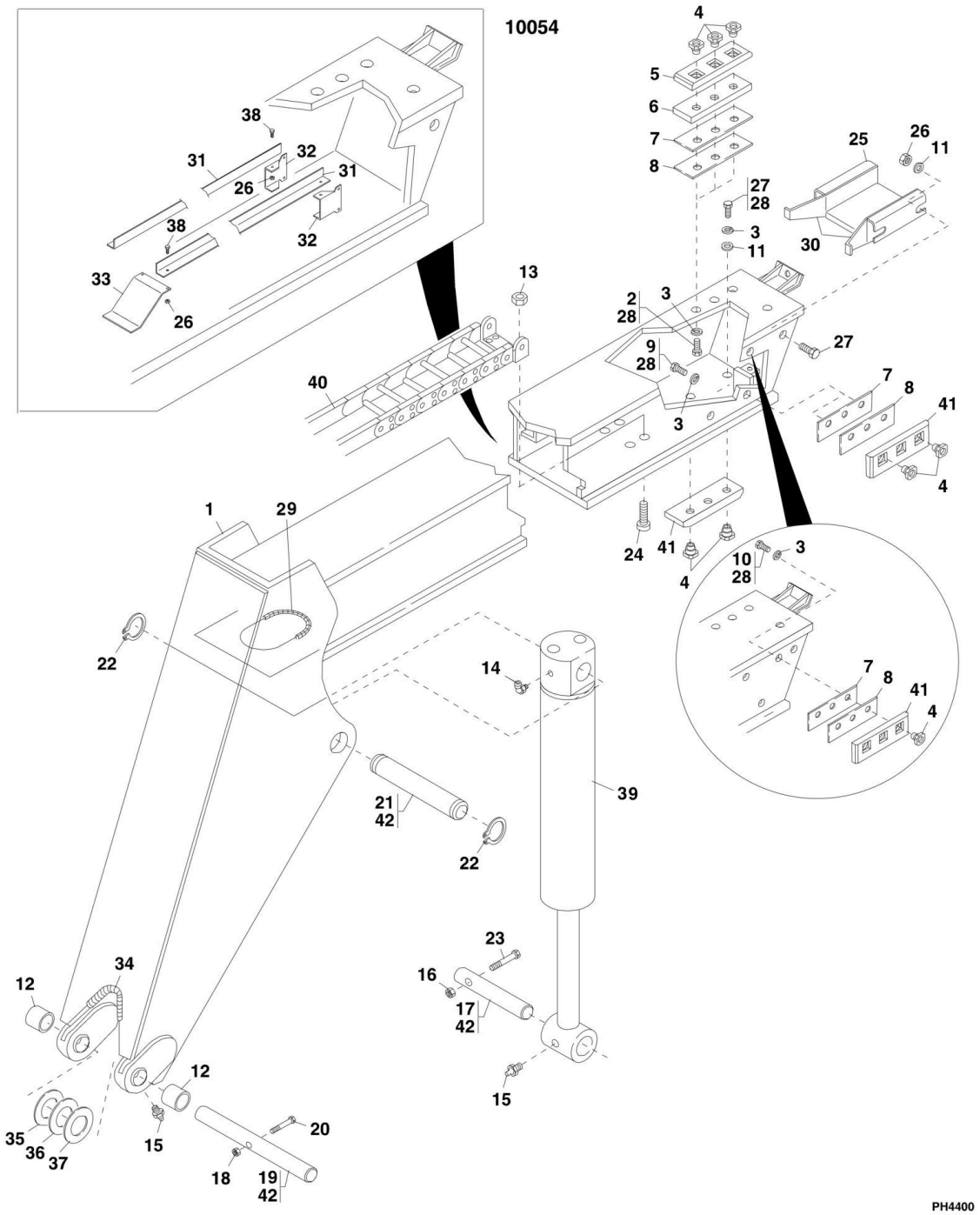


FIGURE 2-9. FOURTH BOOM SECTION (10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7117133	1	FOURTH BOOM SECTION	
2	8303621	6	HEX HD CAPSCREW, 3/8-16X1-1/2, (Loctite and torque to 31 lb-ft)	
3	8307005	16	LOCKWASHER, 3/8	
4	7082311	16	WEAR PAD INSERT	
5	7111572	7	WEAR PAD	
6	7096702	2	SPACER, WEAR PAD, 0.50	
7	7082362	AR	SHIM, WEAR PAD, 0.13	
8	7082342	AR	SHIM, WEAR PAD, 0.07	
9	8303681	6	HEX HD CAPSCREW, 3/8-16X3/4, (lower left and right side - all fasteners and upper left and right side - front fasteners only)	
10	8303620	2	HEX HD CAPSCREW, 3/8-16X1, (upper left and right side - rear fasteners only)	
11	8307204	6	FLAT WASHER, 3/8	
12	7095312	2	QUICK ATTACH PIVOT BUSHING	
13	8305624	4	HEX LOCKNUT, 1/4-20	
14	8520021	1	LUBE FITTING, 90, 1/8	
15	8520013	3	LUBE FITTING, STRAIGHT, 1/8	
16	8305644	1	HEX LOCKNUT, 1/2-13	
17	7083992	1	ATTACHMENT TILT CYLINDER PIN, (rod end)	
18	8305643	1	HEX LOCKNUT, 5/8-11	
19	7095352	1	QUICK ATTACH PIVOT PIN	
20	8303666	1	HEX HD CAPSCREW, 5/8-11X5	
21	7095522	1	ATTACHMENT TILT CYLINDER PIN, (base end)	
22	8642224	2	RETAINING RING, 2 DIA	
23	8303772	1	HEX HD CAPSCREW, 1/2-13X5	
24	8303540	4	HEX HD CAPSCREW, 1/4-20X1	
25	7114922	1	GUIDE	
26	8305645	6	HEX LOCKNUT, 3/8-16	
27	8303620	2	HEX HD CAPSCREW, 3/8-16X1, (Loctite and torque to 31 lb-ft)	
29	7125811	1	PLASTIC CONDUIT, 3/4X8	
30	5746411	2	MOLDING, 3	
31	7110172	2	HOSE CARRIER GUIDE	
32	7127862	2	GUIDE SUPPORT, (rear)	
33	7127852	1	GUIDE SUPPORT, (front)	
34	7125741	1	EDGE PROTECTOR MOLDING	
35	8307918	2	WASHER, SHIM 2X3.5X.134	
36	8310093	AR	WASHER, SHIM 2X3.5X.075	
37	8307904	AR	WASHER, SHIM 2X3.5X.048	
38	8303738	4	HEX HD CAPSCREW, 3/8-16X.88	
39		Ref	ATTACHMENT TILT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
40		Ref	HOSE CARRIER, (See HYDRAULIC CIRCUITS SECTION for Breakdown)	
41	7079572	4	WEAR PAD	
42	8522012	AR	ANTI SEIZE LUBE, (apply to items 17, 19 & 21)	

FIGURE 2-10. QUICK ATTACH

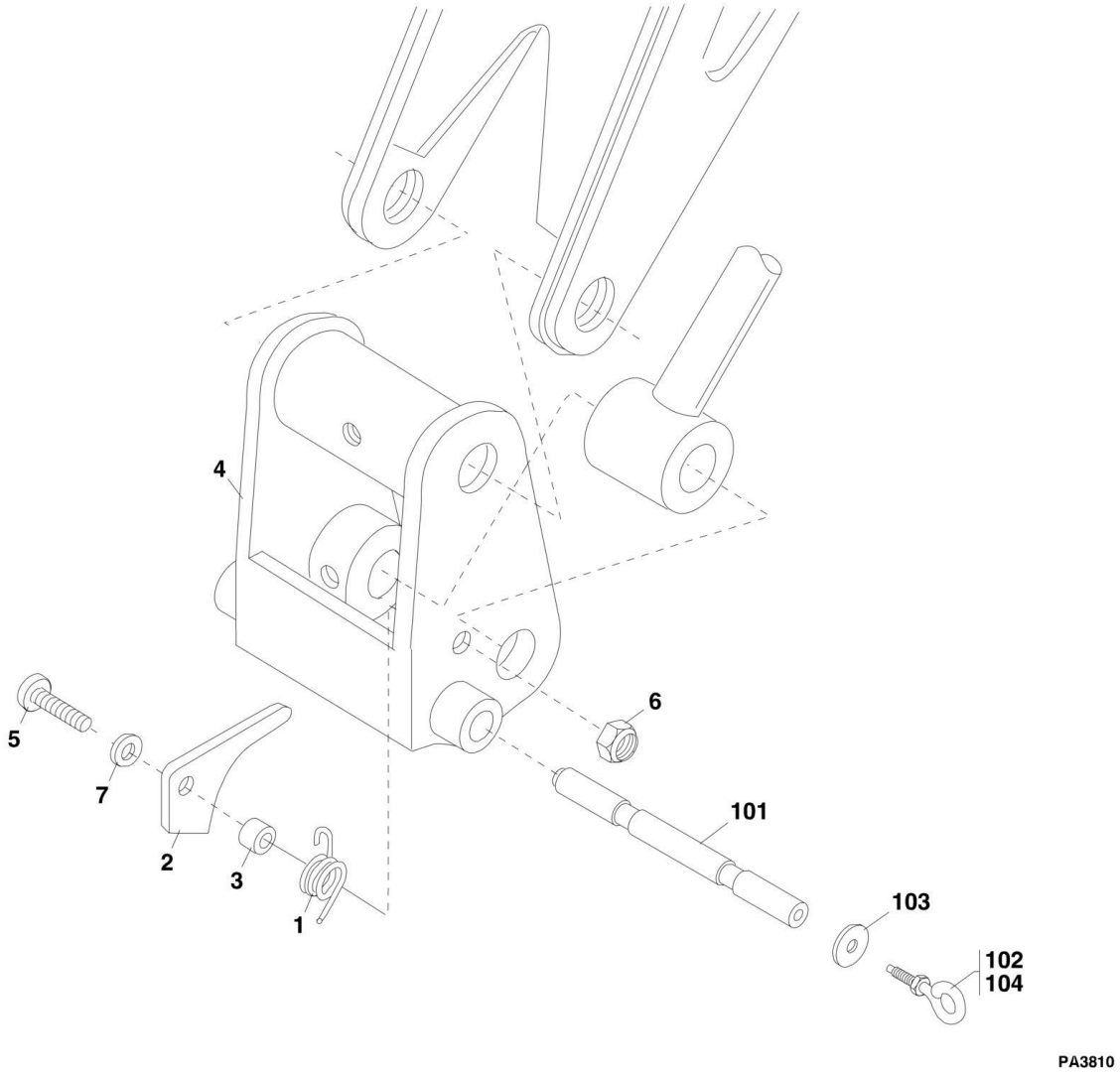


FIGURE 2-10. QUICK ATTACH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139864	1	QUICK ATTACH ASSY, (includes items 1 thru 7)	B
1	7085552	1	TORSION SPRING	
2	7085562	1	LATCH	
3	7085571	1	SPACER	
4	7139863	1	QUICK ATTACH	
5	8303638	1	HEX HD CAPSCREW, 3/4-10X2-3/4	
6	8305619	1	HEX LOCKNUT, 3/4-10	
7	8307104	1	FLAT WASHER, 3/4	
	7118892	1	LOCK PIN ASSY, (includes items 101 thru 104)	B
101	7118882	1	PIN	
102	8310266	1	SHANK BOLT EYE, 1/2-13X2	
103	8310276	1	FLAT WASHER, 0.51X1.88X0.125	
104	8526007	AR	LOCTITE 242, (apply to item 101)	

FIGURE 2-11. BOOM EXTEND CHAINS (10042,8042)

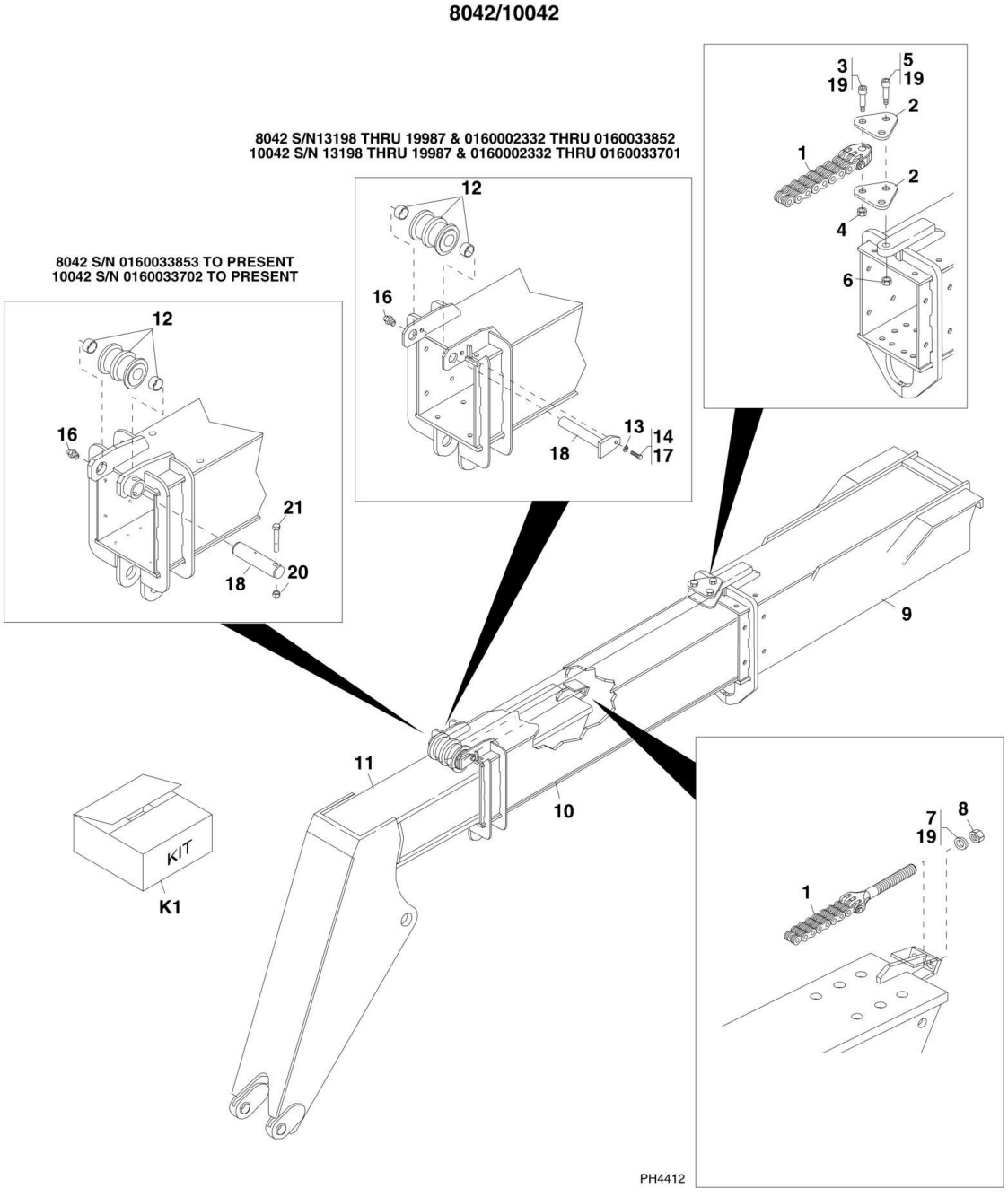


FIGURE 2-11. BOOM EXTEND CHAINS (10042,8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	Kit	2	EXTEND CHAIN AND CLEVIS ASSY, 194.25 IN LONG	
2	7139180	2	EXTEND CHAIN YOKE	
3	8310019	2	SOCKET HD SHOULDER SCREW, 1/2X1-1/2X3/8-16	
4	8305645	2	HEX LOCKNUT, 3/8-16	
5	8310020	1	SOCKET HD SHOULDER SCREW, 5/8X1-1/2X1/2-13	
6	8305644	1	HEX LOCKNUT, 1/2-13	
7	8307104	2	PLAIN WASHER, 3/4	
8	8305646	2	HEX LOCKNUT, 3/4-16	
9		Ref	FIRST BOOM SECTION, (See FIRST BOOM SECTION for Breakdown)	
10		Ref	SECOND BOOM SECTION, (See SECOND BOOM SECTION for Breakdown)	
11		Ref	THIRD BOOM SECTION, (See THIRD BOOM SECTION for Breakdown)	
12	1001101845	1	BUSHING SHEAVE ASSY	
12	7114112	1	EXTEND CHAIN SHEAVE	
12	7126662	2	CHAIN SHEAVE BUSHING	
13	8307007	1	LOCKWASHER, 1/2 (10042,8042) **(8042 SN 13198 through 19987; 10042 SN 13198 through 19987; SN 0160002332 through 0160033852, SN 0160002332 through 0160033701)**	
14	8303624	1	HEX HD CAPSCREW, 1/2-13X1 (10042,8042) **(8042 SN 13198 through 19987; 10042 SN 13198 through 19987; SN 0160002332 through 0160033852, SN 0160002332 through 0160033701)**	
16	8520001	1	LUBE FITTING, STRAIGHT, 1/8	
18	7117572	1	EXTEND CHAIN SHEAVE PIN (10042,8042) **(8042 SN 13198 through 19987; 10042 SN 13198 through 19987; SN 0160002332 through 0160033852, SN 0160002332 through 0160033701)**	
18	1001097735	1	EXTEND CHAIN SHEAVE PIN, (10042,8042) **(8042 SN 0160033853 through 0160045249; 10042 SN 0160033702 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
19	8522012	AR	ANTI SEIZE LUBE, (apply to items 3, 5 & 7)	
20	8305643	1	HEX LOCKNUT, 5/8-11, (10042,8042) **(8042 SN 0160033853 through 0160045249; 10042 SN 0160033702 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
21	8303634	1	HEX HD CAPSCREW, 5/8-11X4, (10042,8042) **(8042 SN 0160033853 through 0160045249; 10042 SN 0160033702 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
K1	8024032	1	EXTEND CHAINS SERVICE KIT, (includes items 1 thru 8)	

FIGURE 2-12. BOOM EXTEND CHAINS (10054)

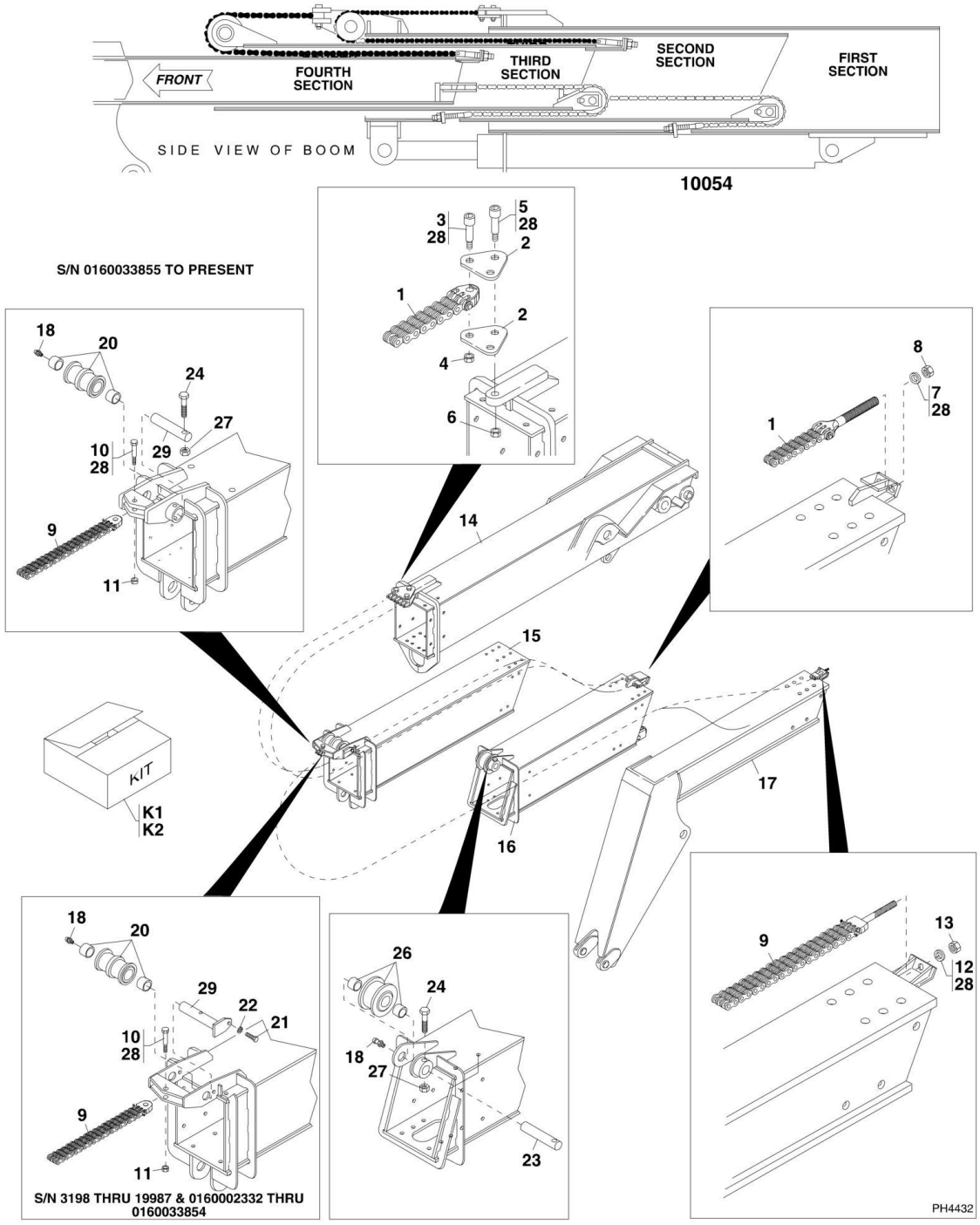


FIGURE 2-12. BOOM EXTEND CHAINS (10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	Kit	2	THIRD BOOM SECTION EXTEND CHAIN AND CLEVIS ASSY, 194.25 IN LONG	
2	7139180	2	EXTEND CHAIN YOKE	
3	8310019	2	SOCKET HD SHOULDER SCREW, 1/2X1-1/2X3/8-16	
4	8305645	2	HEX LOCKNUT, 3/8-16	
5	8310020	1	SOCKET HD SHOULDER SCREW, 5/8X1-1/2X1/2-13	
6	8305644	1	HEX LOCKNUT, 1/2-13	
7	8307104	2	PLAIN WASHER, 3/4	
8	8305646	2	HEX LOCKNUT, 3/4-16	
9	Kit	1	FOURTH BOOM SECTION EXTEND CHAIN AND CLEVIS ASSY, 193 IN LONG	
10	8310205	1	SOCKET HD SHOULDER SCREW, 3/4X2-1/2	
11	8305643	1	HEX LOCKNUT, 5/8-11	
12	8310066	1	PLAIN WASHER, 1	
13	8310210	1	HEX LOCKNUT, 1-14	
14		Ref	FIRST BOOM SECTION, (See FIRST BOOM SECTION for Breakdown)	
15		Ref	SECOND BOOM SECTION, (See SECOND BOOM SECTION for Breakdown)	
16		Ref	THIRD BOOM SECTION, (See THIRD BOOM SECTION for Breakdown)	
17		Ref	FOURTH BOOM SECTION, (See FOURTH BOOM SECTION for Breakdown)	
18	8520001	1	LUBE FITTING, STRAIGHT, 1/8	
20	1001101845	1	BUSHING SHEAVE ASSY	
20	7114112	1	EXTEND CHAIN SHEAVE	
20	7126662	2	CHAIN SHEAVE BUSHING	
21	8303624	1	HEX HD CAPSCREW, 1/2-13X1 **(SN 13198 through 19987, SN 0160002332 through 0160033854)**	
22	8307007	2	LOCKWASHER, 1/2 **(SN 13198 through 19987, SN 0160002332 through 0160033854)**	
23	7117582	1	EXTEND CHAIN SHEAVE PIN	
24	8303634	2	HEX HD CAPSCREW, 5/8-11X4	
26	1001101867	1	BUSHING SHEAVE ASSY	
26	7114032	1	EXTEND CHAIN SHEAVE	
26	7117502	2	CHAIN SHEAVE BUSHING	
27	8305643	2	HEX LOCKNUT, 5/8-11	
28	8522012	AR	ANTI SEIZE LUBE, (apply to items 3, 5, 7, 10 & 12)	
29	7117572	1	PIN **(SN 13198 through 19987, SN 0160002332 through 0160033854)**	
29	1001097735	1	PIN **(SN 0160033855 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
K1	8024032	1	THIRD BOOM SECTION EXTEND CHAINS SERVICE KIT, (includes items 1 thru 8)	
K2	8024053	1	FOURTH BOOM SECTION EXTEND CHAIN SERVICE KIT, (includes items 10 thru 13)	

FIGURE 2-13. BOOM RETRACT CHAINS (10042,8042)

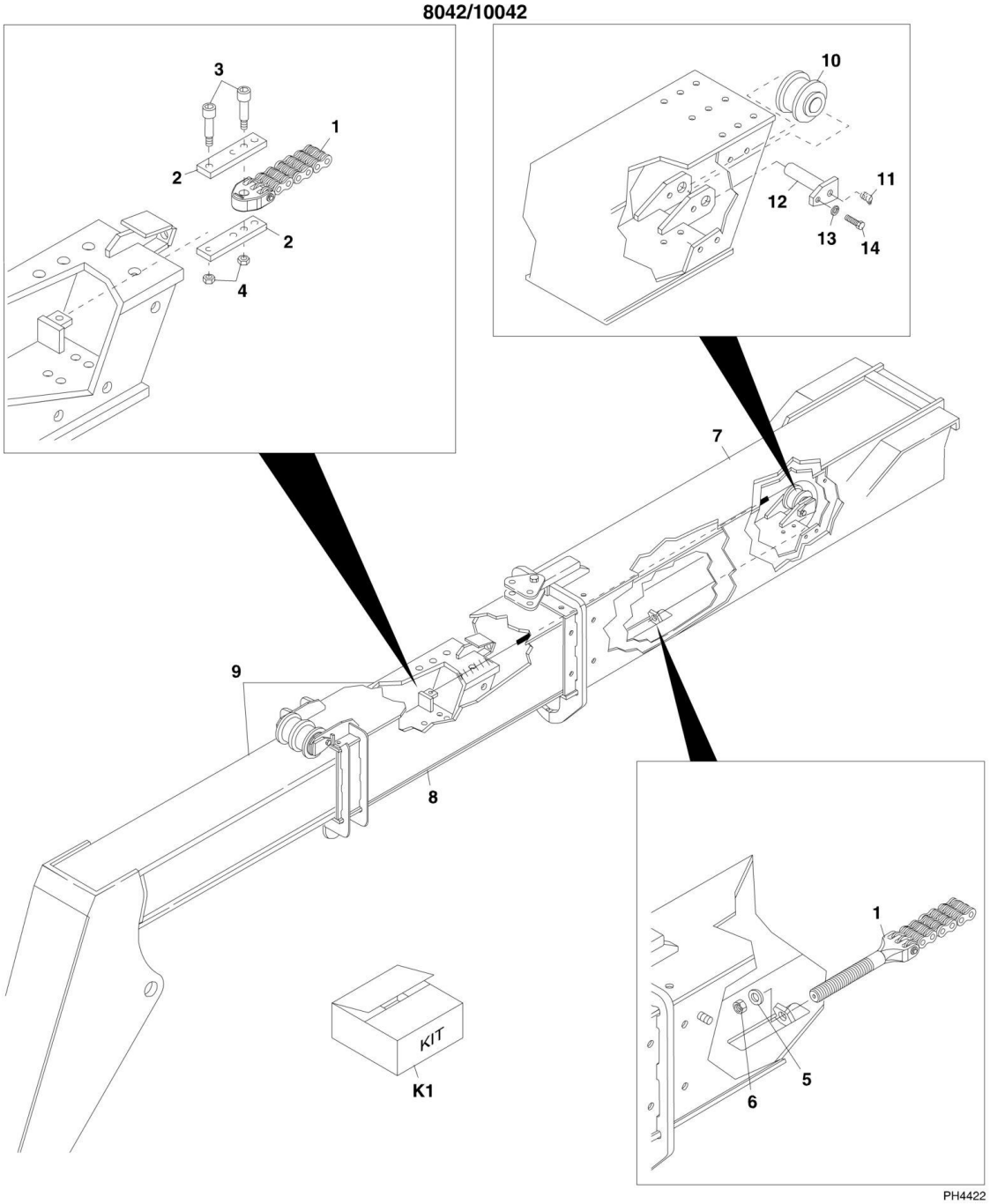


FIGURE 2-13. BOOM RETRACT CHAINS (10042,8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	Kit	1	RETRACT CHAIN AND CLEVIS ASSY	
2	7117031	4	RETRACT CHAIN ANCHOR LINK	
3	8310019	4	SOCKET HD SHOULDER SCREW, 1/2X1-1/2X3/8-16	
4	8305645	4	HEX LOCKNUT, 3/8-16	
5	8307104	4	PLAIN WASHER, 3/4	
6	8305646	4	HEX LOCKNUT, 3/4-16	
7		Ref	FIRST BOOM SECTION, (See FIRST BOOM SECTION for Breakdown)	
8		Ref	SECOND BOOM SECTION, (See SECOND BOOM SECTION for Breakdown)	
9		Ref	THIRD BOOM SECTION, (See THIRD BOOM SECTION for Breakdown)	
10	7138986	2	RETRACT CHAIN SHEAVE WITH BUSHINGS	
11	8520003	2	LUBE FITTING, 90, 1/8	
12	7138977	2	RETRACT CHAIN SHEAVE PIN	
13	8307007	2	LOCKWASHER, 1/2	
14	8303624	2	HEX HD CAPSCREW, 1/2-13X1	
K1	8024033	1	RETRACT CHAIN SERVICE KIT, (includes items 1 thru 6)	

FIGURE 2-14. BOOM RETRACT CHAINS (10054)

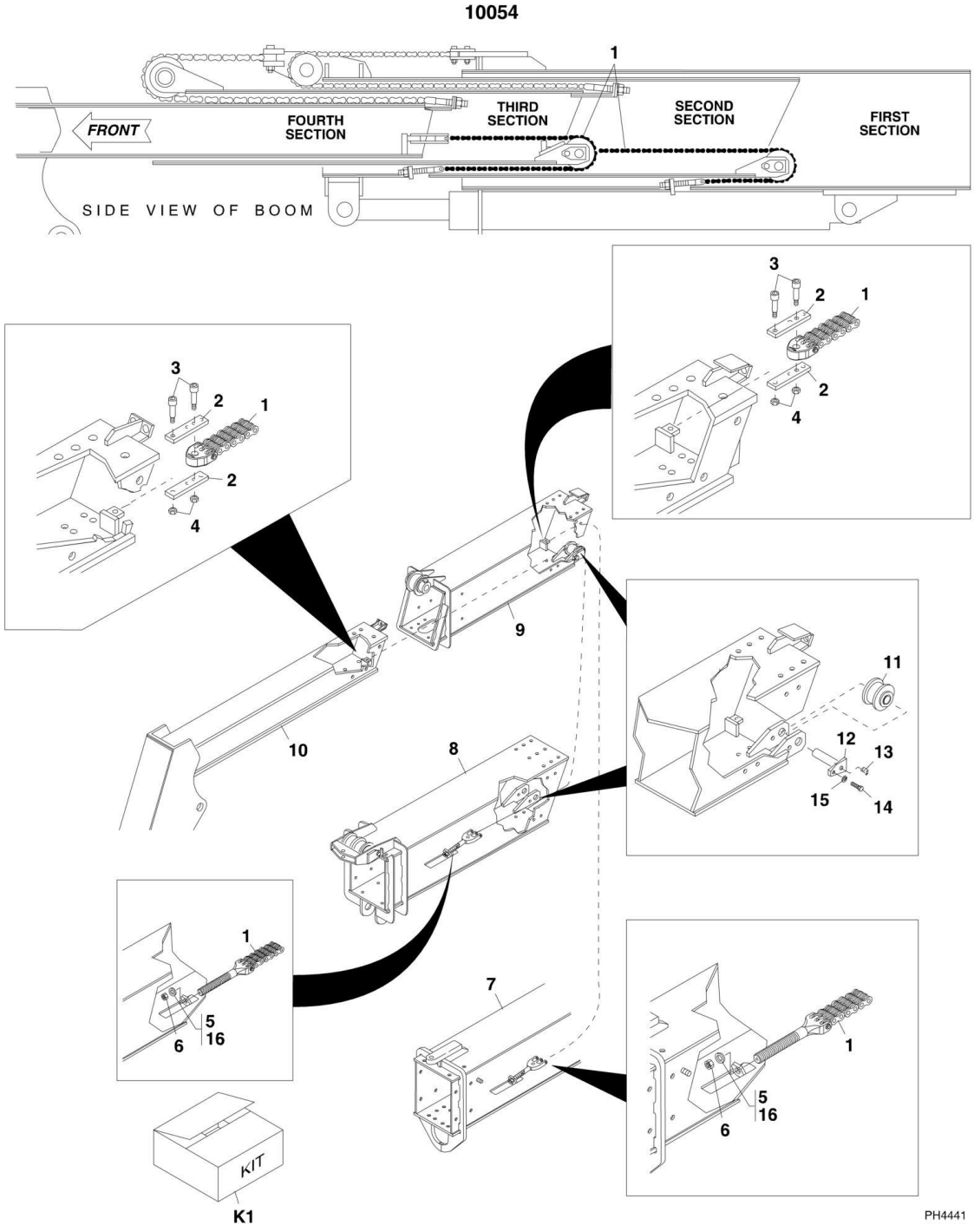


FIGURE 2-14. BOOM RETRACT CHAINS (10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	Kit	1	RETRACT CHAIN AND CLEVIS ASSY	
2	7117031	4	RETRACT CHAIN ANCHOR LINK	
3	8310019	4	SOCKET HD SHOULDER SCREW, 1/2X1-1/2X3/8-16	
4	8305645	4	HEX LOCKNUT, 3/8-16	
5	8307104	4	PLAIN WASHER, 3/4	
6	8305646	4	HEX LOCKNUT, 3/4-16	
7		Ref	FIRST BOOM SECTION, (See FIRST BOOM SECTION for Breakdown)	
8		Ref	SECOND BOOM SECTION, (See SECOND BOOM SECTION for Breakdown)	
9		Ref	THIRD BOOM SECTION, (See THIRD BOOM SECTION for Breakdown)	
10		Ref	FOURTH BOOM SECTION, (See FOURTH BOOM SECTION for Breakdown)	
11	7138986	2	RETRACT CHAIN SHEAVE WITH BUSHINGS	
12	7138977	2	RETRACT CHAIN SHEAVE PIN	
13	8520003	2	LUBE FITTING, 90, 1/8	
14	8303624	3	HEX HD CAPSCREW, 1/2-13X1	
15	8307007	2	LOCKWASHER, 1/2	
16	8522012	AR	ANTI SEIZE LUBE, (apply to item 5)	
K1	8024033	2	RETRACT CHAIN SERVICE KIT, (includes items 1 thru 6)	

SECTION 3 - ATTACHMENTS

FIGURE 3-1. BUCKETS

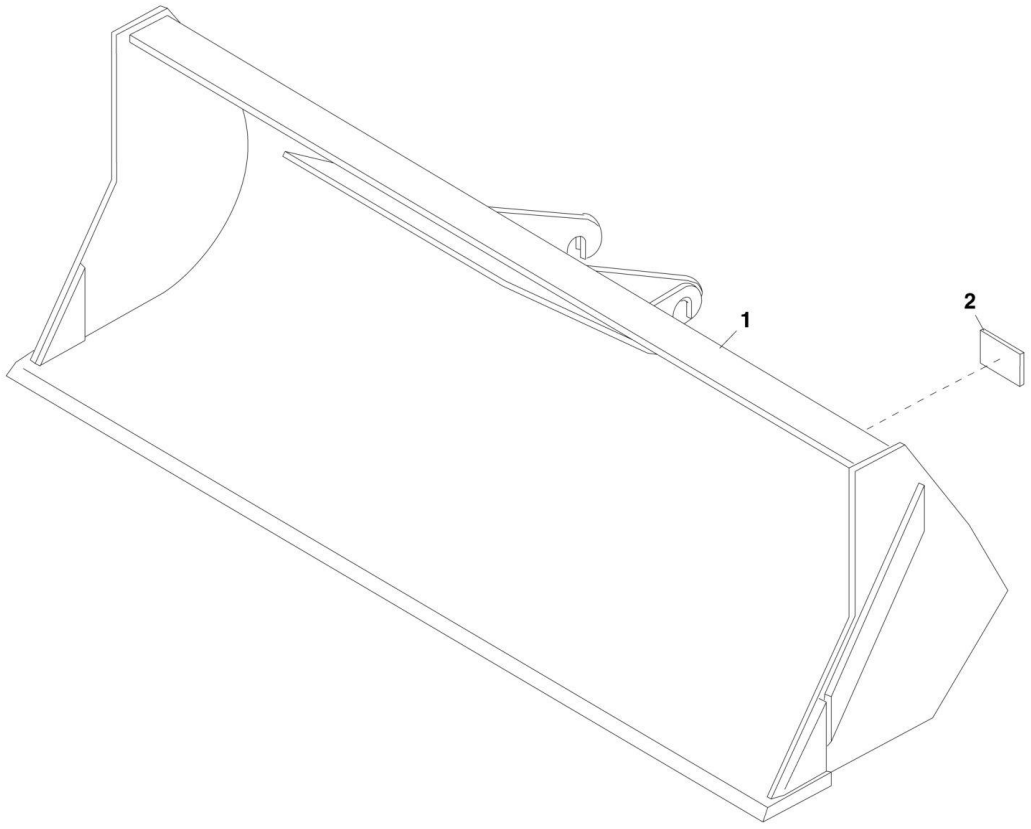


FIGURE 3-1. BUCKETS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7110744	1	UTILITY BUCKET, 1-1/4 YD, (includes item 2) **(SN 0160002332 through 0160037788)**	E
1	1001100822	1	72 IN BUCKET, 1.0 YD, (includes item 2) **(SN 0160037689 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	B
1	1001100823	1	96 IN BUCKET, 1.5 YD, (includes item 2) **(SN 0160037689 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	B
1	1001100824	1	102 IN BUCKET, 2.0 YD, (includes item 2) **(SN 0160037689 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	B
2	N.S.S.	1	S/N PLATE	

FIGURE 3-2. TILT CARRIAGE (8042 SN 13198 through 19987; 10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160034158, SN 0160002332 through 0160033709, SN 0160002332 through 0160034159)

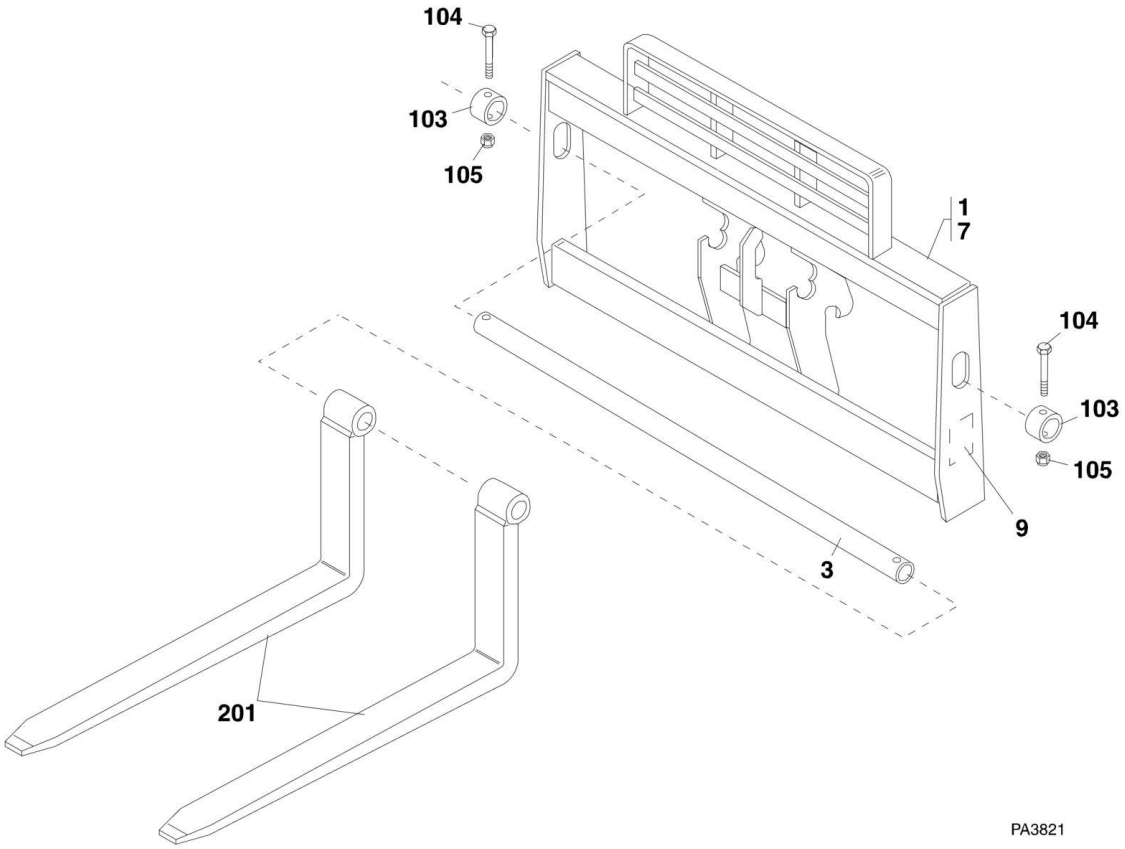


FIGURE 3-2. TILT CARRIAGE (8042 SN 13198 through 19987; 10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160034158, SN 0160002332 through 0160033709, SN 0160002332 through 0160034159)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	6040500	1	48 IN CARRIAGE, (includes items 1 thru 9)	6
	6040600	1	60 IN CARRIAGE, (includes items 1 thru 9)	4
	6040700	1	72 IN CARRIAGE, (includes items 1 thru 9)	5
1	N.S.S.	1	CARRIAGE	
3	7128772	1	FORK PIVOT SHAFT, (48 in carriage)	
3	90451058	1	FORK PIVOT SHAFT, (50 in carriage)	
3	7128792	1	FORK PIVOT SHAFT, (60 in carriage)	
3	90551013	1	FORK PIVOT SHAFT, (72 in carriage)	
7	7118993	Ref	STANDARD CARRIAGE ASSSY, (not available to order, see items 103 thru 105 for service)	G
9	N.S.S.	1	S/N PLATE	
103	90200003	2	COLLAR	
104	8303634	2	HEX HD CAPSCREW, 5/8-11X4	
105	8305643	2	HEX LOCKNUT, 5/8-11	
201		Ref	FORKS, (See Forks for Breakdown)	

FIGURE 3-3. TILT CARRIAGE (8042 SN 0160034159 through 0160045249; 10042 SN 0160033710 through 0160045249; 10054 SN 0160034160 through 0160045249; Including 0160045255)

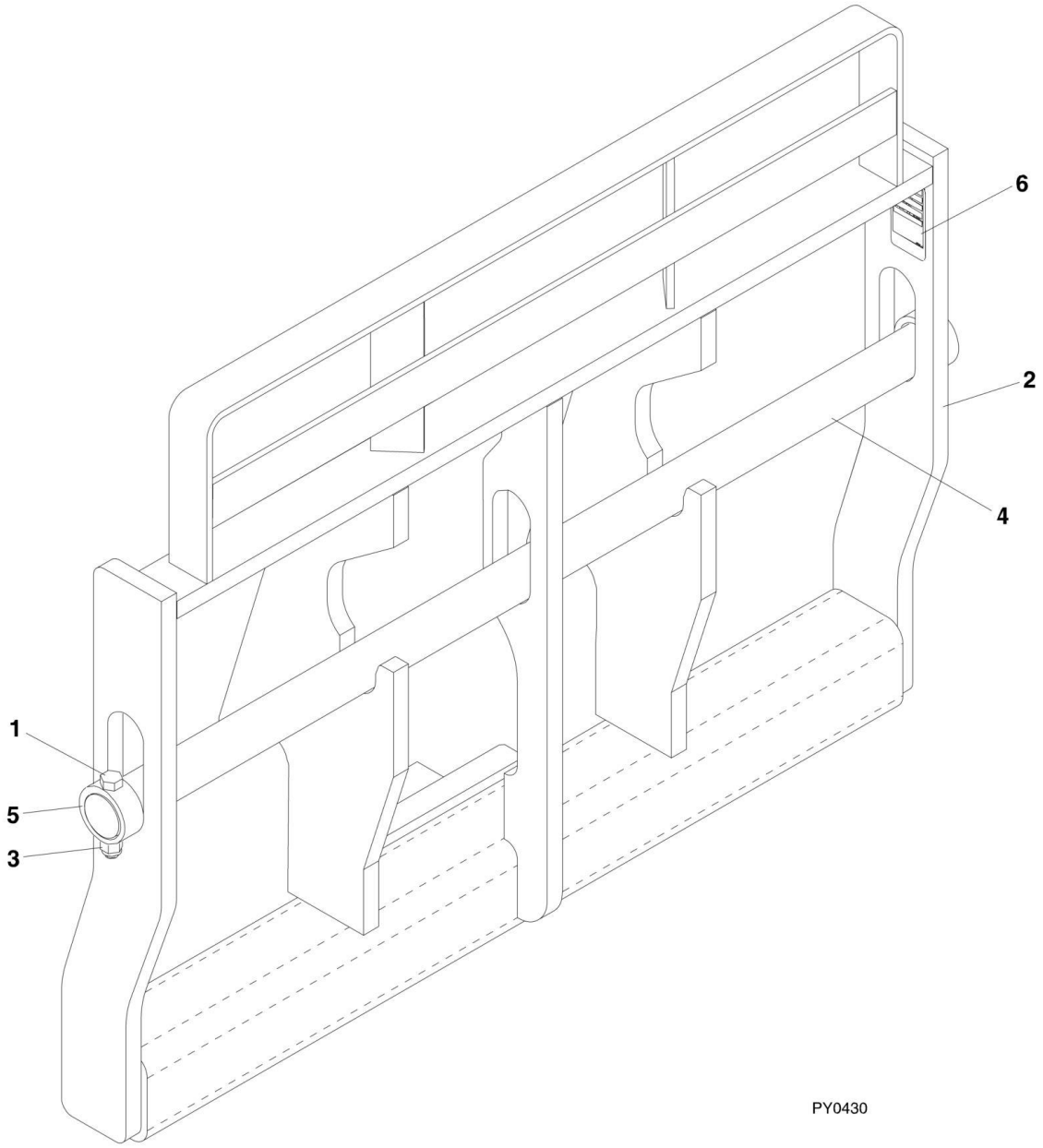


FIGURE 3-3. TILT CARRIAGE (8042 SN 0160034159 through 0160045249; 10042 SN 0160033710 through 0160045249; 10054 SN 0160034160 through 0160045249; Including 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170021	1	50 IN TILT CARRIAGE, (includes items 1 thru 6)	D
	1170024	1	60 IN TILT CARRIAGE, (includes items 1 thru 6)	D
	1001132514	1	72 IN TILT CARRIAGE, (includes items 1 thru 6)	A
1	0642032	2	HEX HD CAPSCREW, 5/8-11X4, GR5	
2	N.S.S.	1	TILT CARRIAGE	
3	3300240	2	LOCKNUT, 5/8-11	
4	3423275	1	50 IN FORK PIN	
4	3423242	1	60 IN FORK PIN	
4	3423276	1	72 IN FORK PIN	
5	90200003	2	COLLAR	
6	N.S.S.	1	S/N PLATE	

FIGURE 3-4. SIDE TILT CARRIAGE (8042 SN 0160002332 through 0160037799; 10042 SN 0160002332 through 0160037798; 10054 SN 0160002332 through 0160037793)

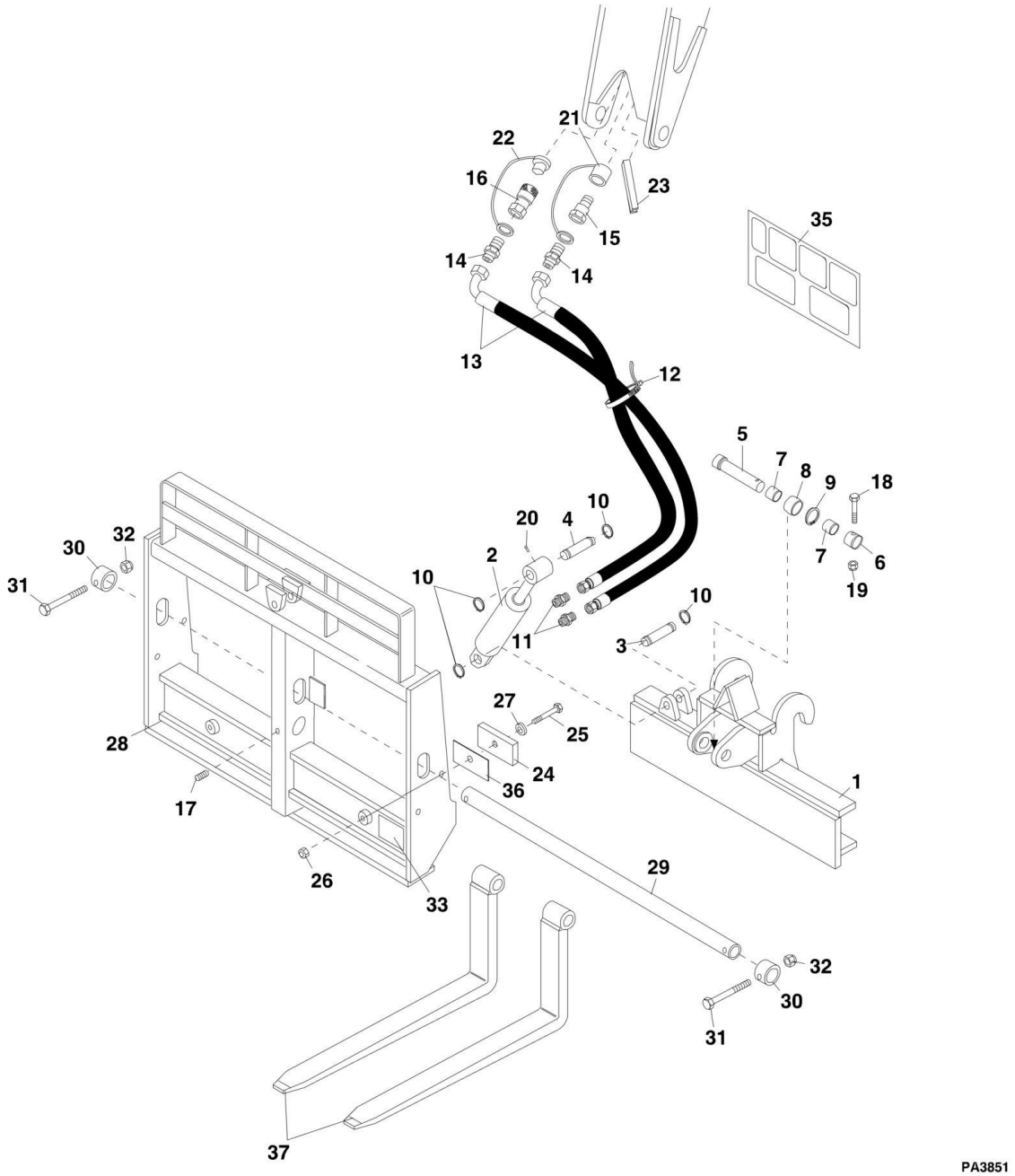


FIGURE 3-4. SIDE TILT CARRIAGE (8042 SN 0160002332 through 0160037799; 10042 SN 0160002332 through 0160037798; 10054 SN 0160002332 through 0160037793)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7117214	1	SIDE TILT CARRIAGE ASSY, (includes items 1 thru 36)	N
1	7117204	1	PIVOT BASE	
2		Ref	SIDE TILT CYLINDER, (See OPTIONS SECTION for Breakdown)	
3	7077501	1	CYLINDER BASE PIN	
4	7077511	1	CYLINDER ROD PIN	
5	7085411	1	PIVOT PIN	
6	7085501	1	PIN LOCKING COLLAR	
7	7077481	2	SPACER	
8	8065634	1	SELF ALIGN BUSHING	
9	8642001	1	SNAP RING	
10	8642235	4	SNAP RING	
11	2220371	2	STRAIGHT CONNECTOR	
12	8584001	1	TIE WRAP	
13	2711992	2	HOSE ASSY	
14	2220372	2	STRAIGHT CONNECTOR	
15	91403414	1	MALE QUICK DISCONNECT	
15	8640029	1	NOSE SEAL, (not shown)	
16	91403413	1	FEMALE QUICK DISCONNECT	
16	8640029	1	NOSE SEAL, (not shown)	
16	8640028	1	COUPLER BODY SEAL, (not shown)	
16	8640032	1	COUPLER BODY SEAL BACK-UP RING, (not shown)	
17	88761001	1	GREASE FITTING	
18	8303770	1	HEX HD CAPSCREW, 3/8-16X2-3/4	
19	8305645	1	HEX LOCKNUT, 3/8-16	
20	8520013	2	LUBE FITTING	
21	8420053	1	DUST CAP, #8	
22	8420055	1	DUST PLUG, #8	
23	7125741	1	MOULDING	
24	7065482	2	WEAR PAD	
25	8303739	2	HEX HD CAPSCREW, 5/16-18X1-1/4	
26	8305626	2	HEX LOCKNUT, 5/16-18	
27	8307203	2	FLAT HEAVY WASHER	
28	7117244	1	48 IN SIDE TILT CARRIAGE	
28	7300983	1	50 IN SIDE TILT CARRIAGE	
28	7117254	1	60 IN SIDE TILT CARRIAGE	
28	7117264	1	72 IN SIDE TILT CARRIAGE	
29	7128772	1	FORK PIVOT SHAFT, (48 in carriage)	
29	90451058	1	FORK PIVOT SHAFT, (50 in carriage)	
29	7128792	1	FORK PIVOT SHAFT, (60 in carriage)	
29	90551013	1	FORK PIVOT SHAFT, (72 in carriage)	
30	90200003	2	COLLAR	
31	8303634	2	HEX HD CAPSCREW, 5/8-11X4	
32	8305643	2	HEX LOCKNUT, 5/8-11	
33	N.S.S.	1	S/N PLATE	
35	4108232	1	CAPACITY CHART DECAL	
36	7070191	AR	SHIM	
37		Ref	FORKS, (See FORKS for Breakdown)	

FIGURE 3-5. SIDE TILT CARRIAGE (8042 SN 0160037799 through 0160045249; 10042 SN 0160037798 through 0160045249; 10054 SN 0160037793 through 0160045249; Including 0160045255)

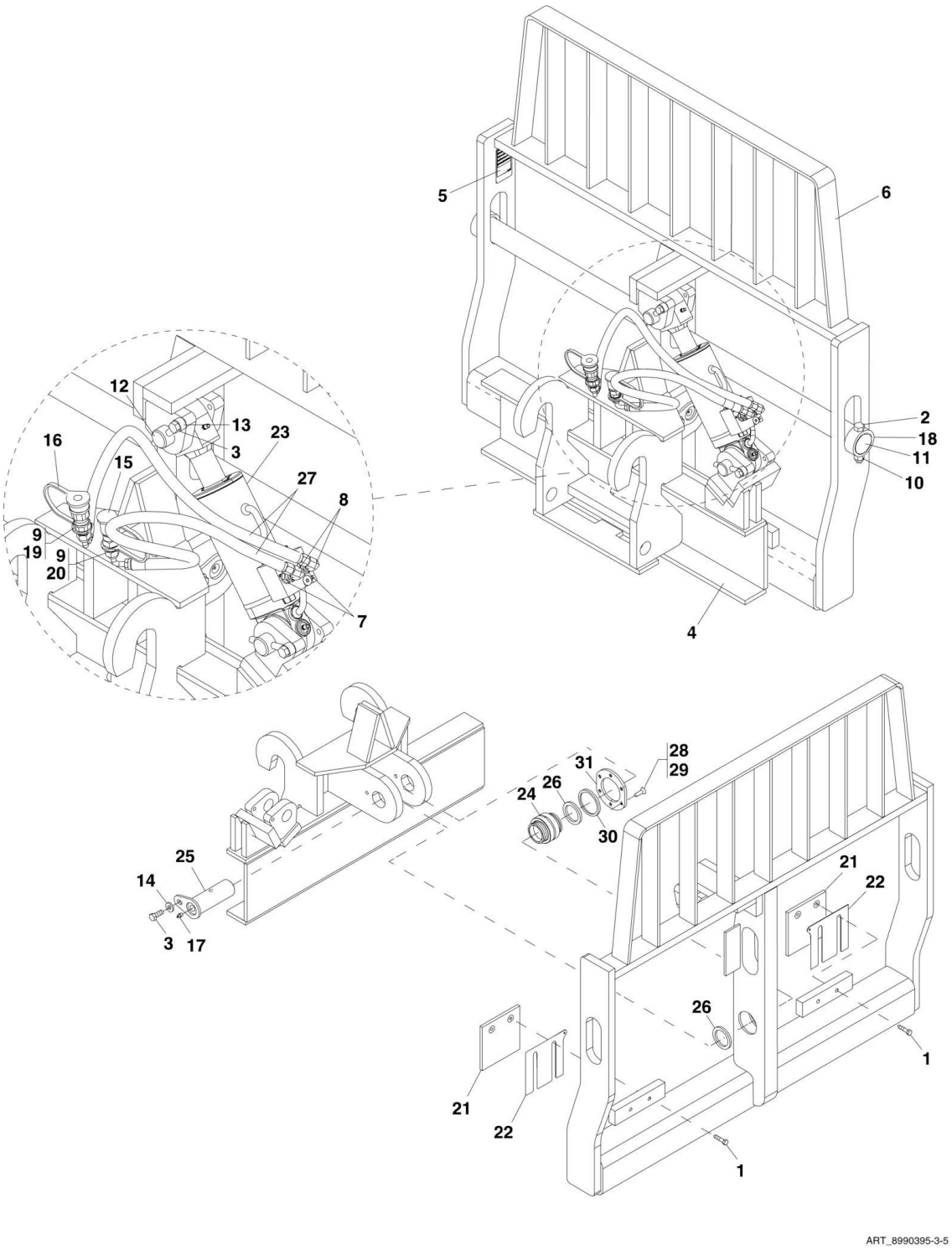


FIGURE 3-5. SIDE TILT CARRIAGE (8042 SN 0160037799 through 0160045249; 10042 SN 0160037798 through 0160045249; 10054 SN 0160037793 through 0160045249; Including 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170054	1	50 IN SIDE TILT CARRIAGE, (includes all items)	I
	1001101956	1	60 IN SIDE TILT CARRIAGE, (includes all items)	J
	1170057	1	72 IN SIDE TILT CARRIAGE, (includes all items)	I
1	0641612	4	HEX HD CAPSCREW, 3/8-16X1-1/2	
2	0642032	2	HEX HD CAPSCREW, 5/8-11X4	
3	0681810	3	HEX HD CAPSCREW, 1/2-13X1-1/4	
4	1001133072	1	CARRIAGE BASE	
5	N.S.S.	1	S/N PLATE	
6	N.S.S.	1	CARRIAGE, SIDE TILT	
7	2110606	2	CONNECTOR	
8	2172106	2	CONNECTOR, 90	
9	2110808	2	CONNECTOR, (50 IN Side Tilt Carriage)	
9	2110808	2	CONNECTOR, (60 IN Side Tilt Carriage)	
9	2110808	2	CONNECTOR, (72 IN Side Tilt Carriage)	
10	3300240	2	LOCK NUT, 5/8-11	
11	3423275	1	50 IN FORK PIN	
11	3423242	1	60 IN FORK PIN	
11	3423276	1	72 IN FORK PIN	
12	3423307	2	PIN	
13	3841203	2	KEEPER	
14	4891800	1	WASHER, 1/2	
15	8420053	1	DUST CAP	
16	8420055	1	DUST PLUG	
17	88671001	1	GREASE FITTING	
18	90200003	2	COLLAR	
19	91403413	1	CONNECTOR	
20	91403414	1	CONNECTOR	
21	1001090063	2	WEAR PAD	
22	1001090064	AR	SHIM	
23		Ref	HYDRAULIC CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
24	1001090140	1	BEARING	
25	1001099113	1	PIN	
26	1001099115	2	SLEEVE	
27	1001102378	2	HOSE ASSY, 3/8X39	
28	0100011	AR	LOCTITE 242	
29	0741610	6	FLAT HEAD SOCKET SCREW, 3/8-16	
30	1001120914	1	BEARING RETAINER SHIM	
31	1001120915	1	BEARING RETAINER PLATE	

FIGURE 3-6. SWING CARRIAGE (8042 SN 0160002332 through 0160037799; 10042 SN 0160002332 through 0160037798; 10054 SN 0160002332 through 0160037793)

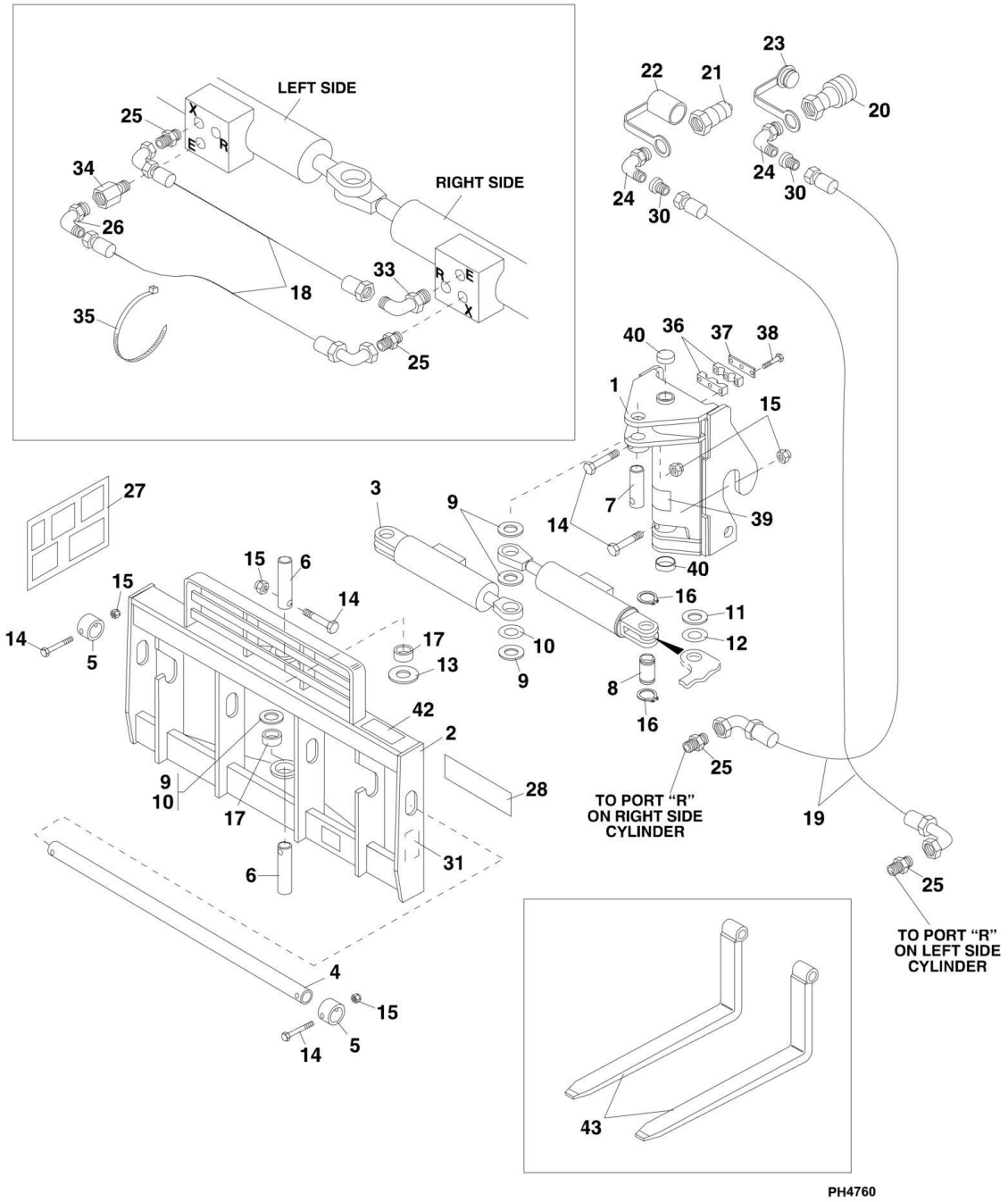


FIGURE 3-6. SWING CARRIAGE (8042 SN 0160002332 through 0160037799; 10042 SN 0160002332 through 0160037798; 10054 SN 0160002332 through 0160037793)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7125800	1	72 IN SWING CARRIAGE ASSY, (includes items 1 thru 42)	O
1	7110494	1	PIVOT BASE	
2	7110694	1	72 IN CARRIAGE	
3		Ref	SWING CARRIAGE CYLINDER, (See OPTIONS SECTION for Breakdown)	
4	90551013	1	FORK PIVOT SHAFT	
5	7086471	NLA	LOCK HUB, (no longer available, use 90200003 for replacement)	
5	90200003	2	LOCK HUB	
6	7110702	2	CARRIAGE PIVOT PIN	
7	7110712	1	CYLINDER PIVOT PIN, (rod end)	
8	7110722	2	CYLINDER PIVOT PIN, (base end)	
9	8307918	AR	SHIM, 2 IDX10GA	
10	8307904	AR	SHIM, 2 IDX18GA	
11	8310161	AR	SHIM, 1-1/2 IDX10GA	
12	8310160	AR	SHIM, 1-1/2 IDX18GA	
13	7062922	1	THRUST BEARING	
14	8303634	5	HEX HD CAPSCREW, 5/8-11X4	
15	8305643	5	HEX LOCKNUT, 5/8-11	
16	8642207	4	RETAINING RING	
17	8065062	2	SELF LUBE BEARING	
18	6604662	2	HOSE ASSY	
19	2717287	2	HOSE ASSY	
20	91403413	1	FEMALE QUICK DISCONNECT	
21	91403414	1	MALE QUICK DISCONNECT	
21	8640029	1	NOSE SEAL, (not shown)	
22	8420053	1	DUST CAP, #8	
23	8420055	1	DUST PLUG, #8	
24	2220628	2	ELBOW, 90	
25	2220415	4	STRAIGHT CONNECTOR	
26	2220473	1	ELBOW, 90	
27	4107692	2	CAPACITY CHART DECAL	
28	4107702	1	TIP OVER HAZARD, DANGER DECAL	
30	2220609	2	TUBE END REDUCER, 6-4	
31	N.S.S.	1	S/N PLATE	
33	2220775	1	ELBOW, 90	
34	8770016	1	STRAIGHT CONNECTOR	
35	8584001	5	TIE WRAP	
36	8769132	2	CLAMP HALF	
37	6608621	1	CLAMP COVER	
38	8303715	3	HEX HD CAPSCREW, 5/16-18X1-1/2	
39	4107712	1	NO TRUSS BOOM DANGER DECAL	
40	8580315	2	TRIM PLUG, 2-1/2 DIA	
42	4110473	1	HOSE ROUTING DECAL	
43		Ref	FORKS, (See FORKS for Breakdown)	

FIGURE 3-7. SWING CARRIAGE (8042 SN 0160037799 through 0160045249; 10042 SN 0160037798 through 0160045249; 10054 SN 0160037793 through 0160045249; Including 0160045255)

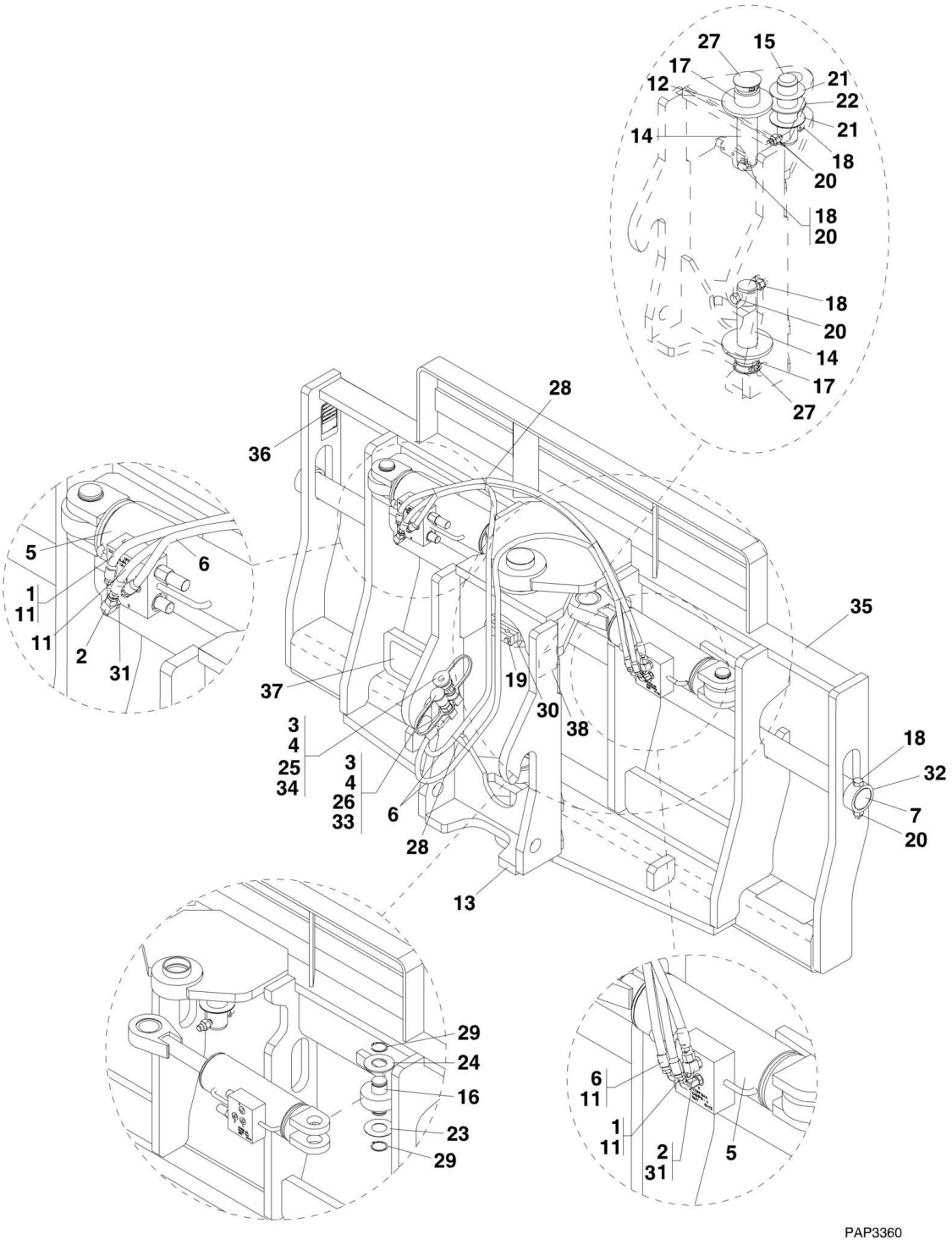


FIGURE 3-7. SWING CARRIAGE (8042 SN 0160037799 through 0160045249; 10042 SN 0160037798 through 0160045249; 10054 SN 0160037793 through 0160045249; Including 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001095418	1	90, SWING CARRIAGE, 72 IN, (includes all items)	K
1	2220415	4	CONNECTOR	
2	2220473	2	CONNECTOR, 90	
3	2220609	2	CONNECTOR	
4	2220628	2	CONNECTOR, 90	
5		Ref	SWING CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
6	2717287	2	HOSE ASSY, 1/4X58	
7	3423276	1	PIN	
11	6604662	2	HOSE ASSY, 1/4X40.5	
12	7062922	1	WASHER	
13	N.S.S.	1	PIVOT WELDMENT	
14	7110702	2	PIVOT PIN	
15	7110712	1	PIN	
16	7110722	2	PIN	
17	8065062	2	BUSHING	
18	8303634	5	HEX HD CAPSCREW, 5/8-11X4, GR5	
19	8303715	3	HEX HD CAPSCREW, 5/16-18X1.5, GR5	
20	8305643	5	HEX NUT, 5/8-11	
21	8307904	AR	SHIM	
22	8307918	AR	SHIM	
23	8310160	AR	SHIM	
24	8310161	AR	SHIM	
25	8420053	1	DUST CAP	
26	8420055	1	DUST PLUG	
27	8580315	2	PLUG	
28	8584001	5	DUST PLUG	
29	8642207	4	RETAINING RING	
30	8769132	2	CLAMP	
31	8770016	2	CONNECTOR	
32	90200003	2	COLLAR	
33	91403413	1	CONNECTOR	
34	91403414	1	CONNECTOR	
35	N.S.S.	1	CARRIAGE FRAME	
36	N.S.S.	1	S/N PLATE	
37	1001110704	1	WARNING CRUSH HAZARD DECAL	
38	1001111190	2	WARNING DECAL	

FIGURE 3-8. SHEET MATERIAL HANDLER (8042 SN 0160002332 through 0160037799; 10042 SN 0160002332 through 0160037798; 10054 SN 0160002332 through 0160037793)

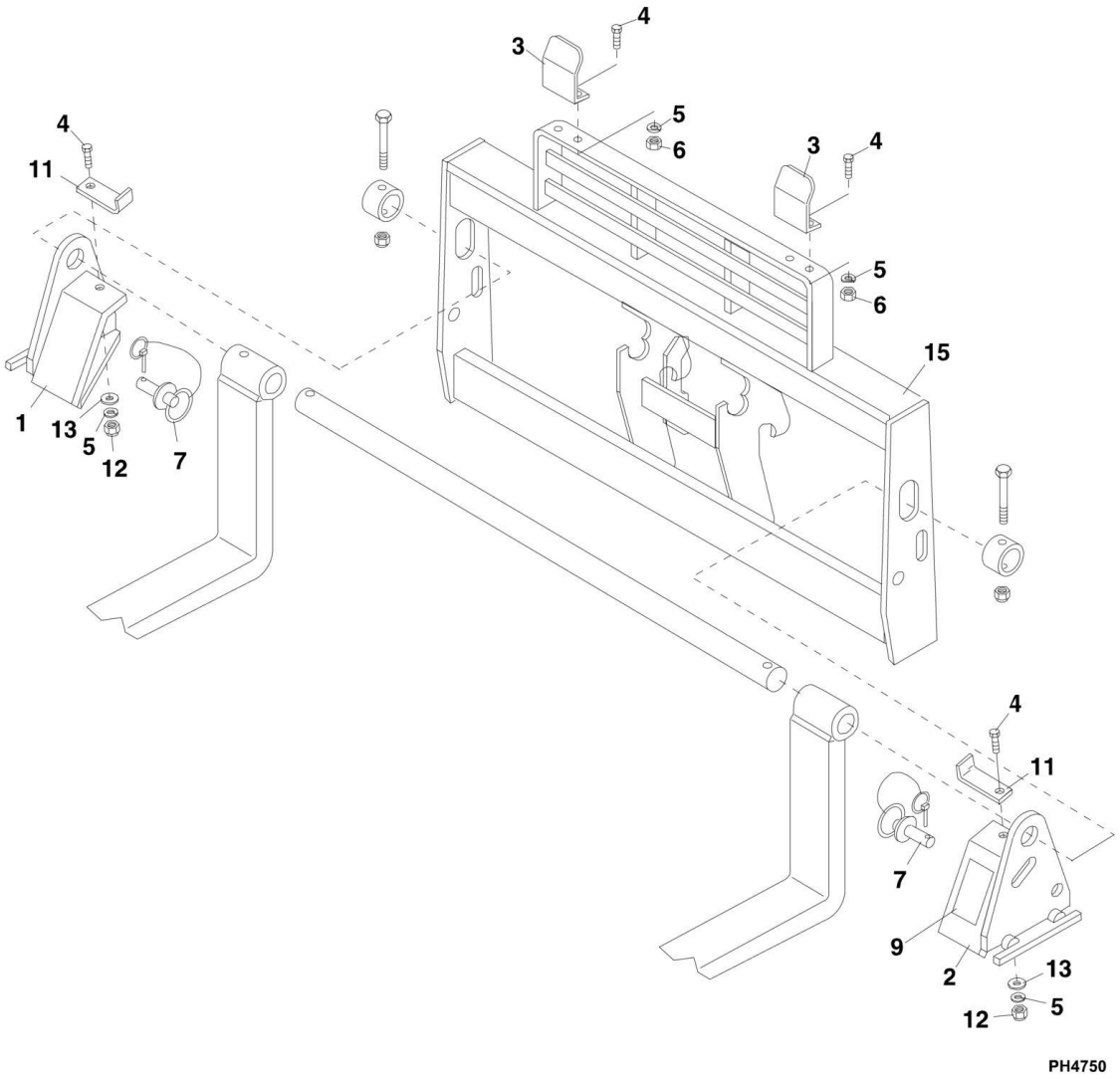


FIGURE 3-8. SHEET MATERIAL HANDLER (8042 SN 0160002332 through 0160037799; 10042 SN 0160002332 through 0160037798; 10054 SN 0160002332 through 0160037793)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7129300	1	SHEET MATERIAL HANDLER WITH 72 IN SWING CARRIAGE ASSY, (includes items 1 thru 13)	
	7112704	1	SHEET MATERIAL HANDLER WITH 72 IN SWING CARRIAGE ASSY, (includes items 1 thru 13)	E
1	7112533	1	RIGHT SIDE FORK SUPPORT	
2	7112523	1	LEFT SIDE FORK SUPPORT	
3	7112642	2	BACKREST EXTENSION	
4	8303626	6	HEX HD CAPSCREW, 1/2-13X1-1/2	
5	8307007	6	LOCKWASHER, 1/2	
6	8305012	4	HEX NUT, 1/2-13	
7	8301456	2	HITCH PIN	
9	N.S.S.	1	S/N CAPACITY PLATE	
11	7114941	2	LOCK BAR	
12	8305644	2	HEX LOCKNUT, 1/2-13	
13	8307112	2	FLAT WASHER, 1/2	
15		Ref	72 IN SWING CARRIAGE, (See SWING CARRIAGE for Breakdown)	

FIGURE 3-9. SHEET MATERIAL HANDLER (8042 SN 0160037799 through 0160045249; 10042 SN 0160037798 through 0160045249; 10054 SN 0160037793 through 0160045249; Including 0160045255)

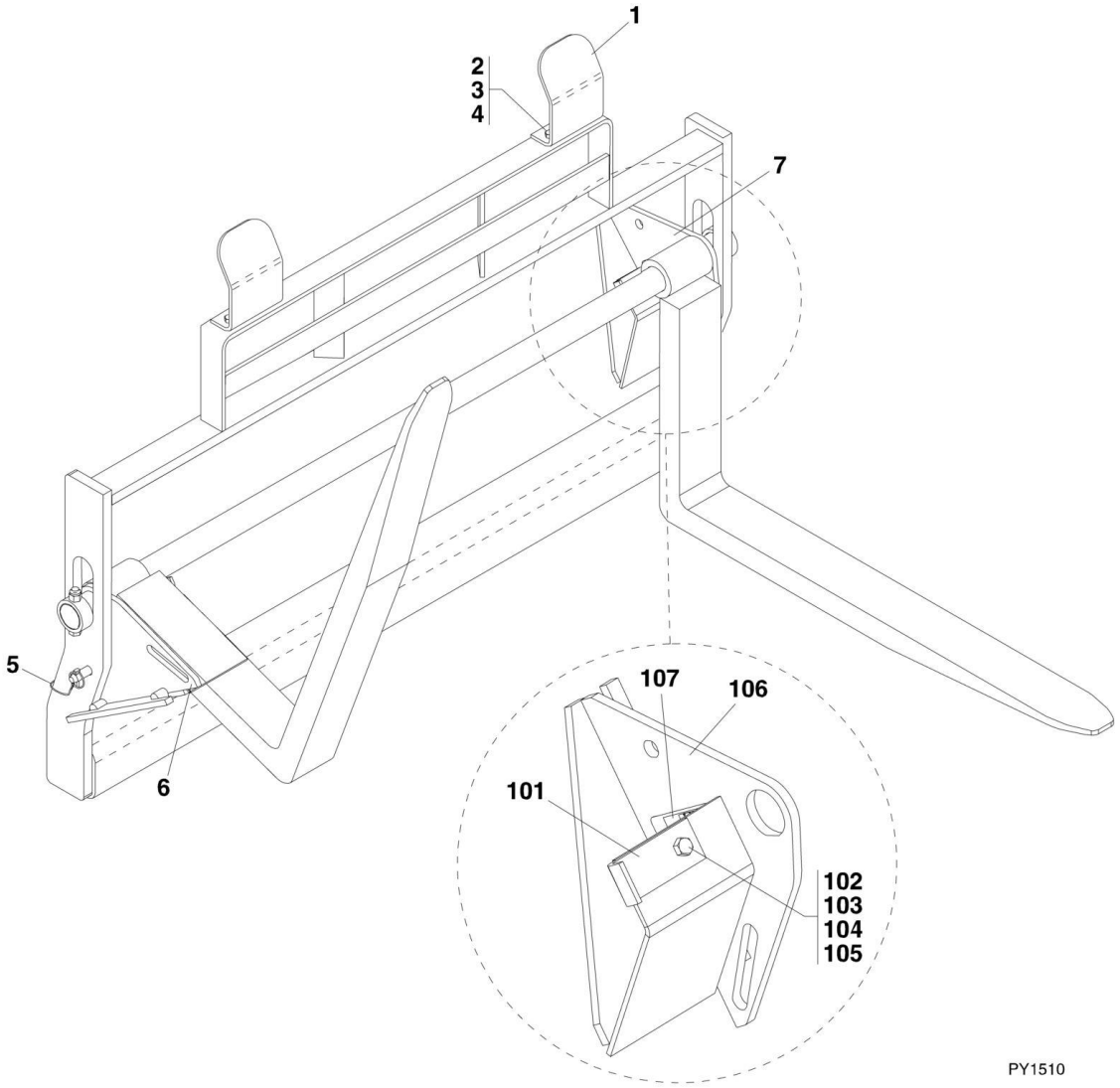


FIGURE 3-9. SHEET MATERIAL HANDLER (8042 SN 0160037799 through 0160045249; 10042 SN 0160037798 through 0160045249; 10054 SN 0160037793 through 0160045249; Including 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100227	1	SHEET MATERIAL HANDLER ASSY, (includes all items)	A
1	7112642	2	BACKREST EXTENSION	
2	8303626	4	HEX HD CAPSCREW, 1/2-13X1-1/2 GR5	
3	8305012	4	HEX NUT, 1/2-13	
4	8307007	4	LOCK WASHER, 1/2	
5	1001093377	2	HITCH PIN	
6	1001101115	1	FORK SUPPORT ASSY, RH, (includes items 101 thru 107)	A
7	1001101116	1	FORK SUPPORT ASSY, LH, (includes items 101 thru 107)	B
101	7114941	1	LOCK BAR	
102	8303626	1	HEX HD CAPSCREW, 1/2-13X1-1/2 GR5	
103	8305644	1	HEX LOCK NUT, 1/2-13	
104	8307007	1	LOCK WASHER, 1/2	
105	8307112	1	WASHER, 1/2	
106	1001100228	1	FORK SUPPORT, RH (not shown)	
106	1001100229	1	FORK SUPPORT, LH (shown)	
107	N.S.S.	1	S/N PLATE	

FIGURE 3-10. 3 FT TRUSS BOOM WITH WINCH

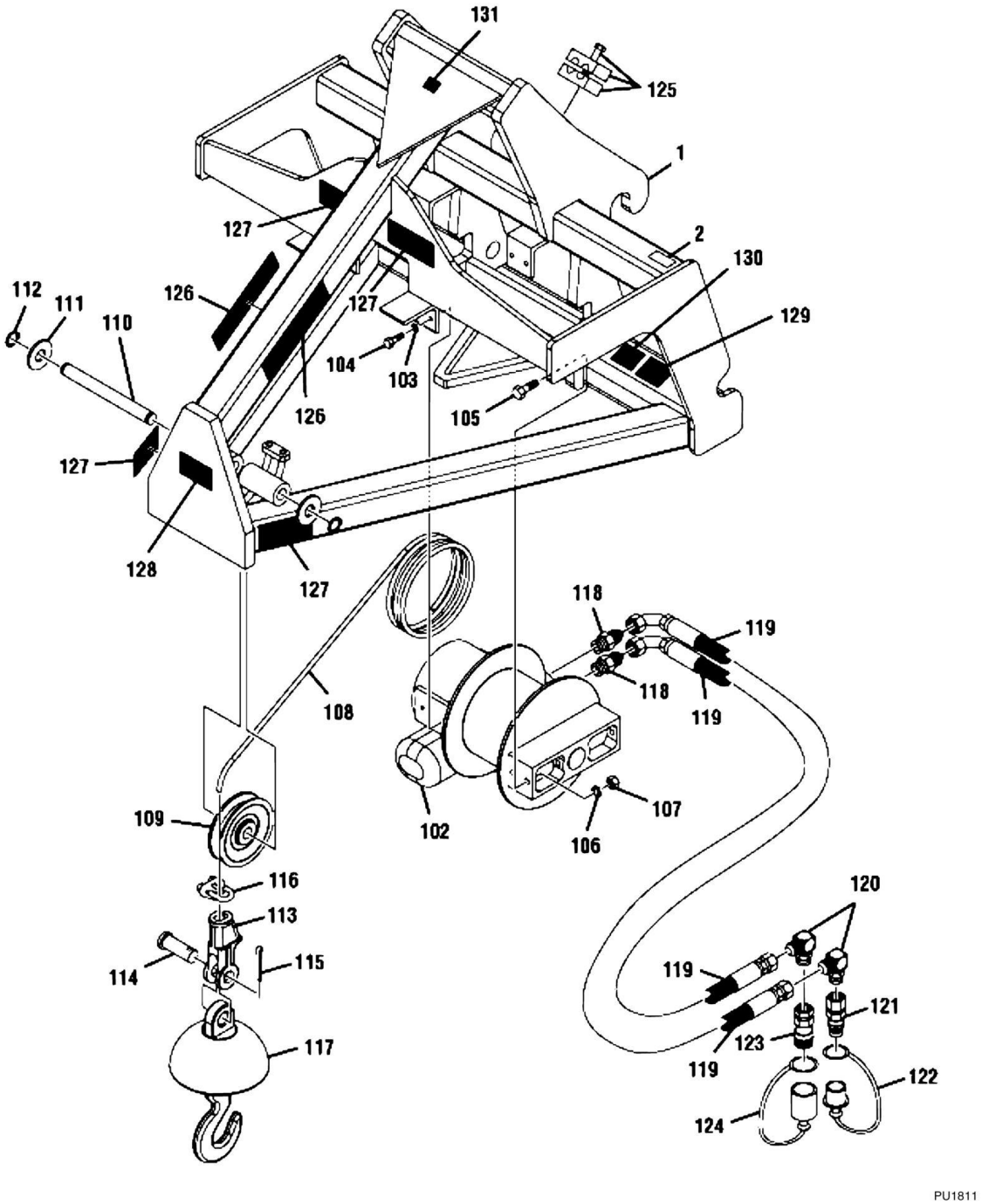


FIGURE 3-10. 3 FT TRUSS BOOM WITH WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139608	1	3 FT TRUSS BOOM WITH WINCH, (includes all items) (10042,10054,8042) **(8042 SN 13198 through 19987; 10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160034050, SN 0160002332 through 0160033706, SN 0160002332 through 0160033738)**	G
	1001100967	1	3 FT TRUSS BOOM WITH WINCH, (includes items 1 & 2) (10042,10054,8042) **(8042 SN 0160034051 through 0160045249; 10042 SN 0160033707 through 0160045249; 10054 SN 0160033739 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	A
1	8380008	1	3 FT TRUSS BOOM WITH WINCH, (includes items 102 thru 131)	
2	N.S.S.	1	S/N CAPACITY PLATE	
3	7301040	1	LOAD CHART BOOKLET (not shown)	
102	70021921	1	WINCH	
103	90554042	4	LOCKWASHER, 3/8	
104	70021349	4	HEX HD CAPSCREW, 3/8X1	
105	70024059	2	HEX HD CAPSCREW, 1/2X1-3/4	
106	90554020	2	LOCKWASHER, 1/2	
107	90554054	2	HEX NUT, 1/2	
108	70022028	1	CABLE	
109	70021935	1	PULLEY	
110	70022529	1	PIN	
111	70024060	2	HARDENED FLAT WASHER	
112	70024061	2	SNAP RING	
113	70021979	1	SOCKET ASSY, (includes items 114 & 115)	
114	N.S.S.	1	PIN	
115	N.S.S.	1	COTTER PIN	
116	70022528	1	CLAMP	
117	70021978	1	BALL SWIVEL WITH SAFETY HOOK	
118	2220371	2	CONNECTOR	
119	70021977	2	HOSE ASSY, 3/8X32	
120	2220628	2	ELBOW, 90	
121	91403413	1	QUICK DISCONNECT COUPLER	
122	91043126	1	DUST CAP	
123	91403414	1	QUICK DISCONNECT NIPPLE	
124	91043125	1	DUST PLUG	
125	70021387	1	CLAMP	
126	70024062	2	CAPACITY DECAL	
127	70024063	4	ROTATING PART DECAL	
128	70024064	1	DO NOT TOW DECAL	
129	N.S.S.	1	S/N PLATE	
130	90554018	1	WARNING HIGH PRESSURE DECAL	
131	90554016	1	MADE IN USA DECAL	

FIGURE 3-11. 12 FT TRUSS BOOM WITH WINCH

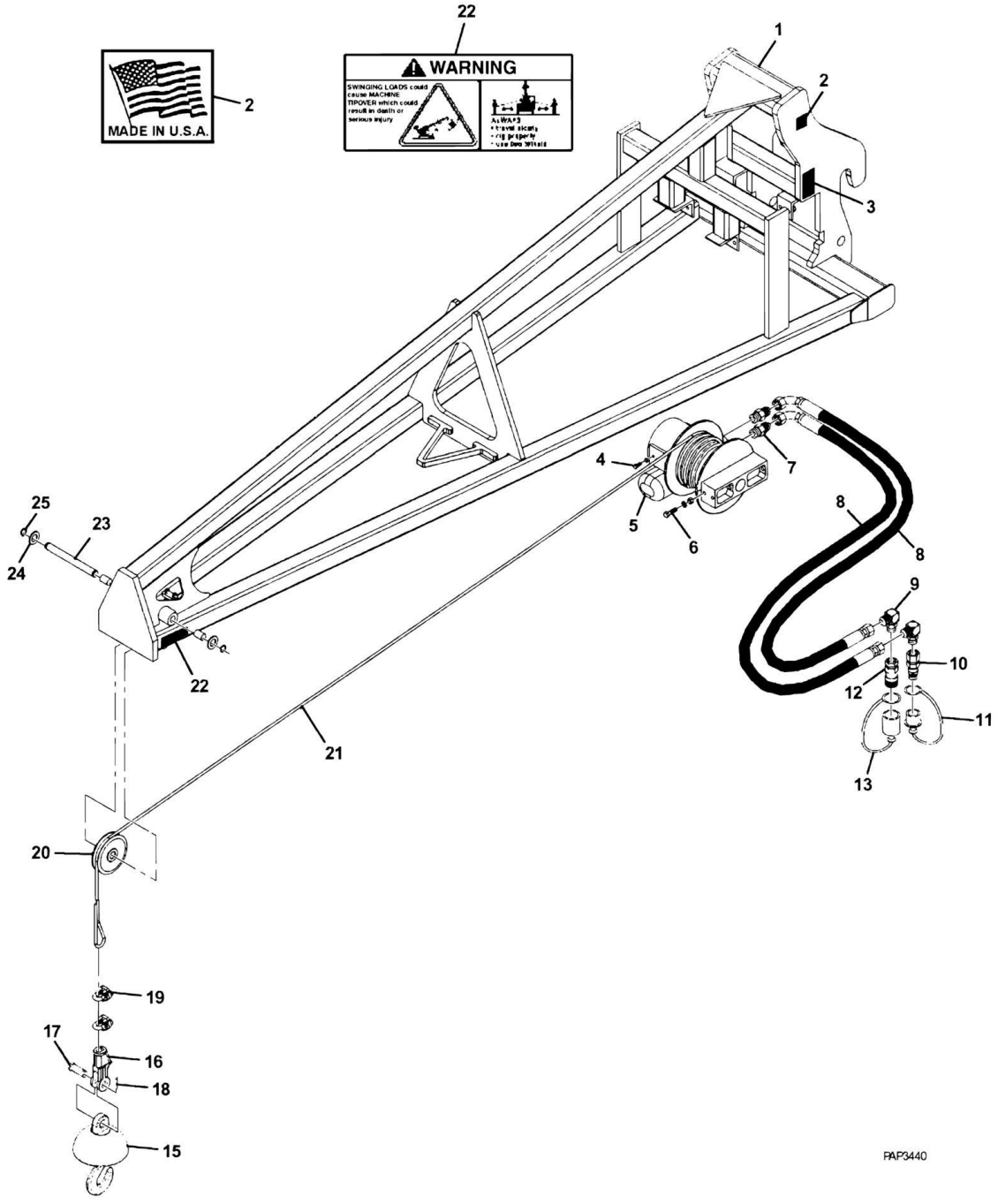
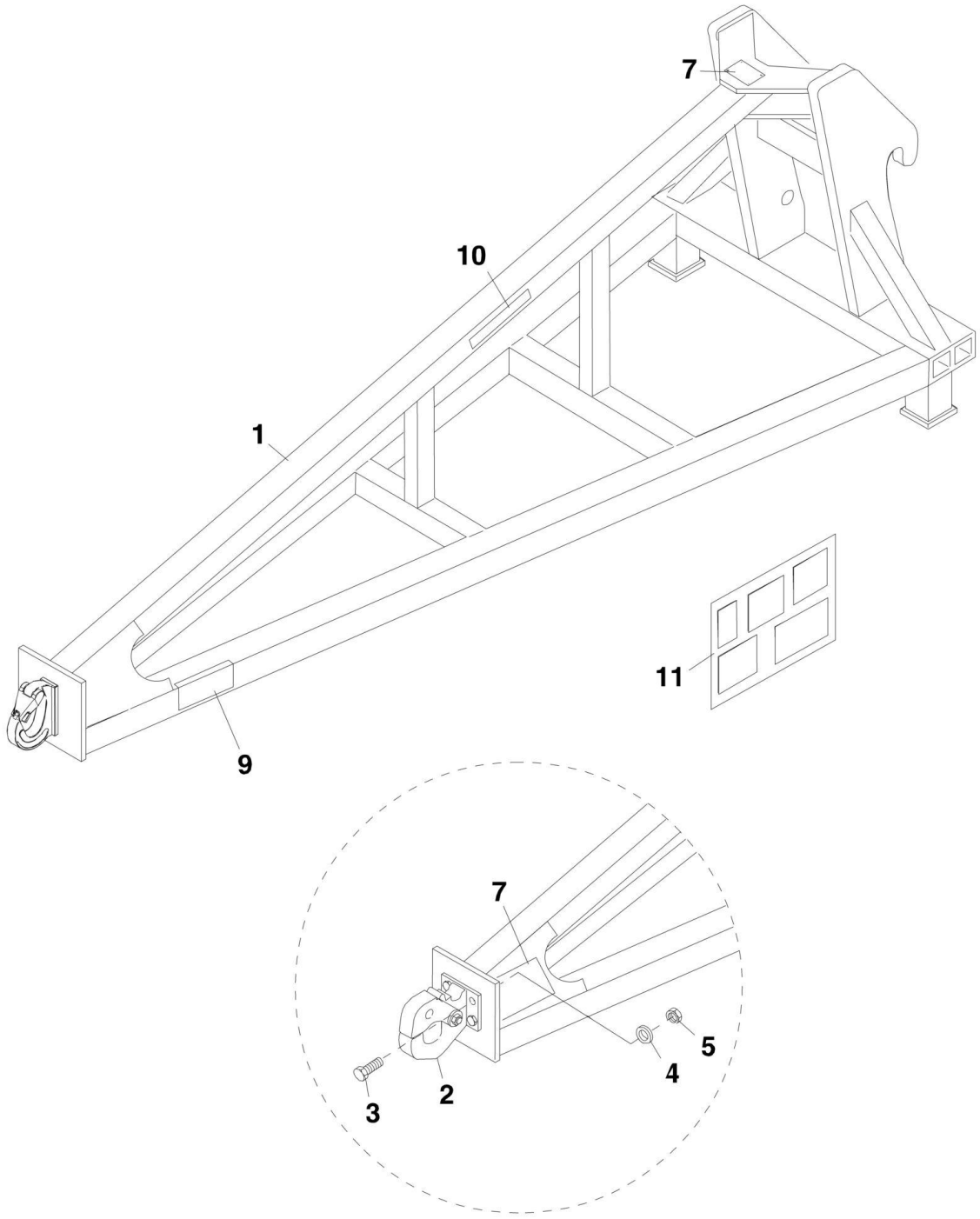


FIGURE 3-11. 12 FT TRUSS BOOM WITH WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099351	1	12 FT TRUSS BOOM WITH WINCH, (includes all items)	F,C
1	N.S.S.	1	TRUSS BOOM FRAME	
2	90554016	1	USA DECAL	
3	N.S.S.	1	S/N PLATE	
4	70021349	4	HEX HD CAPSCREW, 3/8X1	
4	90554042	4	LOCK WASHER, 3/8	
5	70021921	1	TRUSS BOOM WINCH MOTOR	
6	N.S.S.	1	HEX HD CAPSCREW, 1/2X1.75	
6	90554020	2	LOCK WASHER, 1/2	
6	90554054	2	HEX NUT, 1/2	
7	70021415	2	CONNECTOR	
8	70021977	2	HOSE ASSY, 3/8X32	
9	N.S.S.	1	ELBOW, 90	
10	7029692	1	MALE QUICK COUPLER	
11	90554062	1	DUST CAP	
12	70021342	1	FEMALE QUICK COUPLER	
13	90554076	1	DUST COVER	
15	70021978	1	BALL SWIVEL WITH SAFETY HOOK	
16	70021979	1	SOCKET ASSY, (includes items 17 & 18)	
17	N.S.S.	1	PIN	
18	N.S.S.	1	COTTER PIN	
19	N.S.S.	1	CLAMP	
20	70021935	1	PULLEY	
21	70022028	1	CABLE	
22	4110422	2	WARNING SWINGING LOADS DECAL	
23	N.S.S.	1	PIN	
24	N.S.S.	1	FLAT WASHER, 1	
25	N.S.S.	1	SNAP RING	

FIGURE 3-12. TRUSS BOOM (8042 SN 0160002332 through 0160037799; 10042 SN 0160002332 through 0160037798; 10054 SN 0160002332 through 0160037793)



8042 S/N 13198 THRU 19987 & 0160002332 THRU 0160032260,
10042 S/N 13198 THRU 19987 & 0160002332 THRU 0160031656,
10054 S/N 13198 THRU 19987 & 0160002332 THRU 0160032228

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FIGURE 3-12. TRUSS BOOM (8042 SN 0160002332 through 0160037799; 10042 SN 0160002332 through 0160037798; 10054 SN 0160002332 through 0160037793)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7113024	1	12 FT TRUSS BOOM ASSY (includes all items) (8042)	
	7119800	1	15 FT TRUSS BOOM ASSY (includes all items) (10042,10054)	
	7112804	1	15 FT TRUSS BOOM ASSY (includes all items) (10042,10054)	
1	7113034		TRUSS BOOM WELDMENT (8042)	
1	7112814		TRUSS BOOM WELDMENT (10042,10054)	
2	8382017	1	PINTLE HOOK (10042,10054,8042) **(8042 SN 13198 through 19987; 10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160032259, SN 0160002332 through 0160031656, SN 0160002332 through 0160032261)**	
3	8310195	4	HEX HD CAPSCREW, 1/2-13X1.75 (10042,10054,8042) **(8042 SN 13198 through 19987; 10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160032259, SN 0160002332 through 0160031656, SN 0160002332 through 0160032261)**	
4	8307112	4	PLAIN WASHER, 1/2 (10042,10054,8042) **(8042 SN 13198 through 19987; 10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160032259, SN 0160002332 through 0160031656, SN 0160002332 through 0160032261)**	
5	8305644	4	HEX LOCKNUT, 1/2-13 (10042,10054,8042) **(8042 SN 13198 through 19987; 10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160032259, SN 0160002332 through 0160031656, SN 0160002332 through 0160032261)**	
7	N.S.S.	1	S/N/CAPACITY PLATE	
9	4110422	2	SWINGING LOAD DECAL	
10	4107832	2	LENGTH/CAPACITY DECAL	
11		Ref	CAPACITY CHART, (See DECALS SECTION for Breakdown)	

FIGURE 3-13. TRUSS BOOM (8042 SN 0160037799 through 0160045249; 10042 SN 0160037798 through 0160045249; 10054 SN 0160037793 through 0160045249; Including 0160045255)

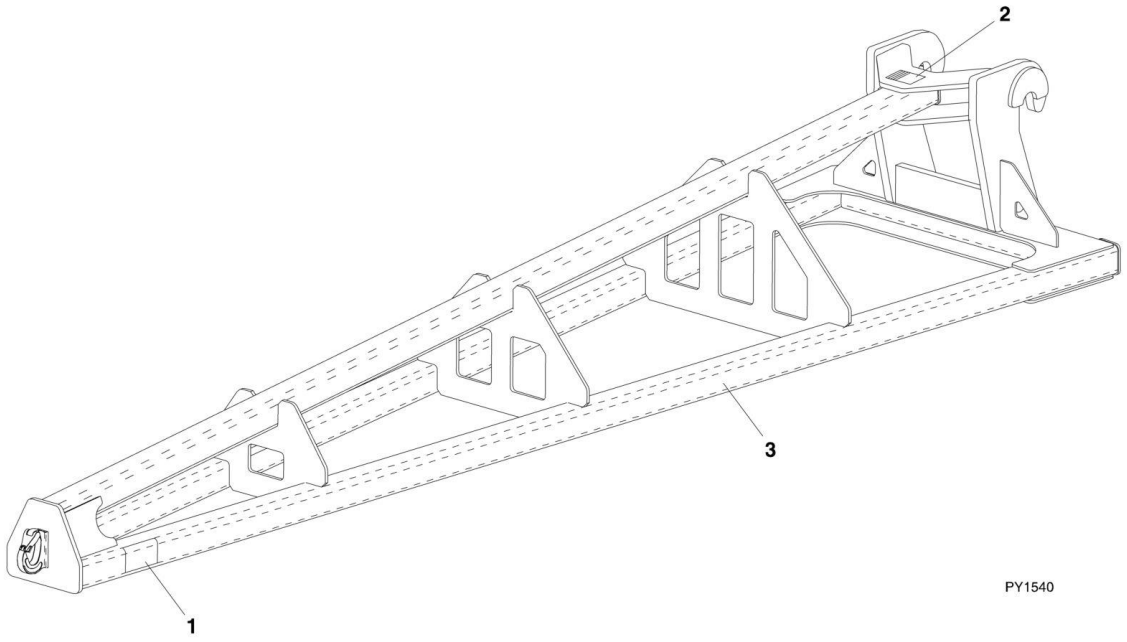


FIGURE 3-13. TRUSS BOOM (8042 SN 0160037799 through 0160045249; 10042 SN 0160037798 through 0160045249; 10054 SN 0160037793 through 0160045249; Including 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099902	1	12 FT TRUSS BOOM, (includes all items)	
	1001099901	1	15 FT TRUSS BOOM, (includes all items)	
1	4110422	2	WARNING SWINGING LOADS DECAL	
2	N.S.S.	1	S/N PLATE	
3	N.S.S.	1	TRUSS BOOM	

FIGURE 3-14. LIFTING HOOK

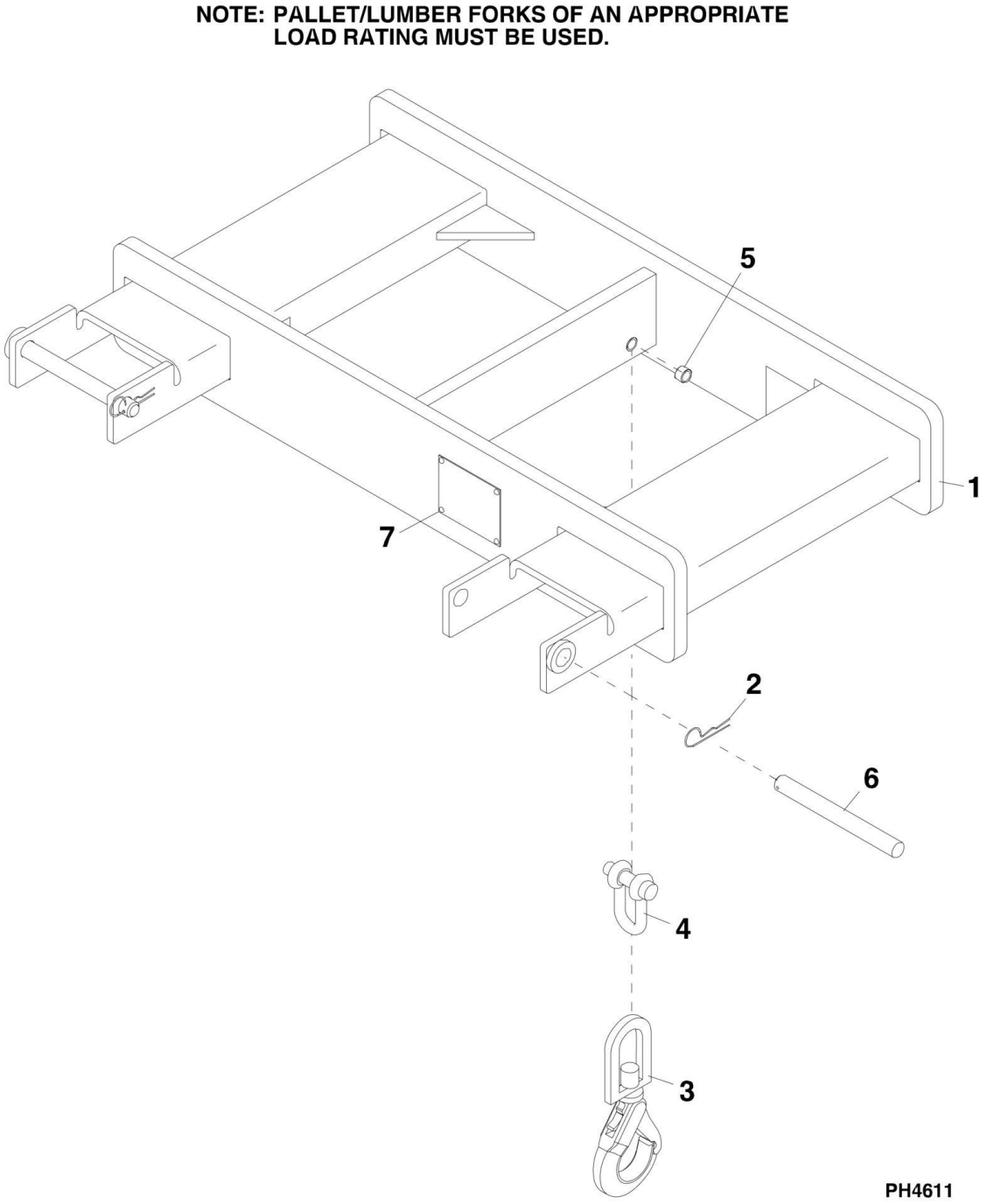
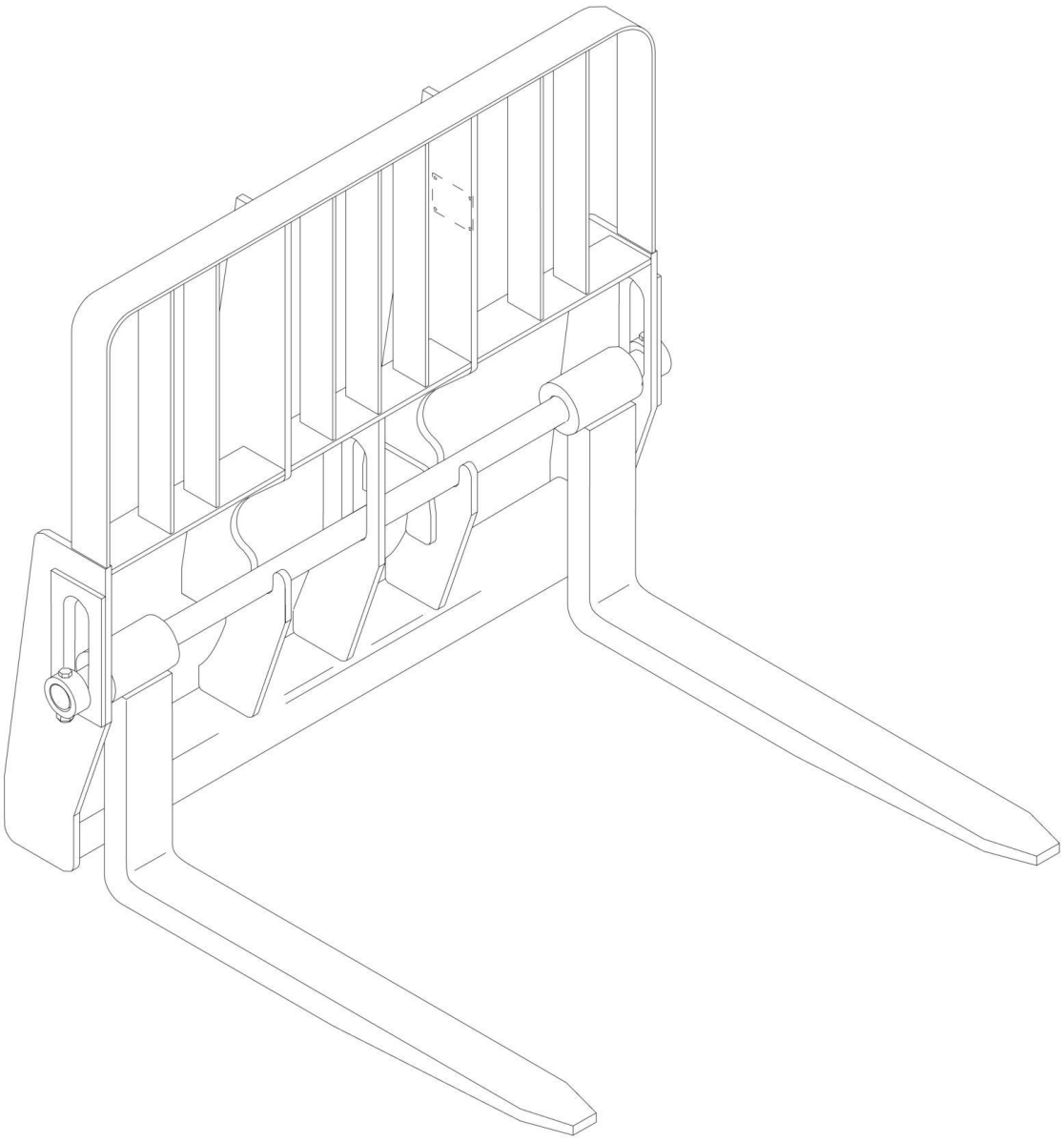


FIGURE 3-14. LIFTING HOOK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91565094	1	LIFTING HOOK ATTACHMENT, (includes all items)	F
2	7029520	2	HAIRPIN CLIP	
3	90554080	1	SLING HOOK	
4	7029521	1	CHAIN SHACKLE ASSY, (includes pin),12,000LB	
5	70020555	1	SPRING BUSHING	
6	1001093171	2	PIN	
7	N.S.S.	1	S/N ATTACHMENT PLATE	

FIGURE 3-15. FORKS



PV1550

FIGURE 3-15. FORKS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2340037	6	CUBING FORK, 48X2X2, 11,640 lbs	A
	7301408	2	PALLET FORK, 48X4X2.25	D
	2340045	2	PALLET FORK, 48X4X2.36, 10,950 lbs	B
	2340038	2	PALLET FORK, 48X5X2.36, 13,700 lbs	B
	7139747	2	BLOCKING FORK, 48X2X2	C
	2340039	2	DUAL TAPER FORK, 60X6X2.36, 16,300 lbs	B
	7139746	2	LUMBER FORK, 60X7X1.75	C
	2340046	2	DUAL TAPER FORK, 60X7X1.75, 10,800 lbs	B
	1001092391	2	DUAL TAPER FORK, 72X6X2, 11,300 lbs	B
	1001137512	2	90 IN FORK EXTENSION, (not shown), (includes items 1 & 2)	D
1	70024306	1	PIN, (not shown)	
2	70024307	1	CLIP, (not shown)	
N1	Note	Ref	**FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.**	
N2	Note	Ref	**PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.**	

FIGURE 3-16. CONCRETE BUCKET

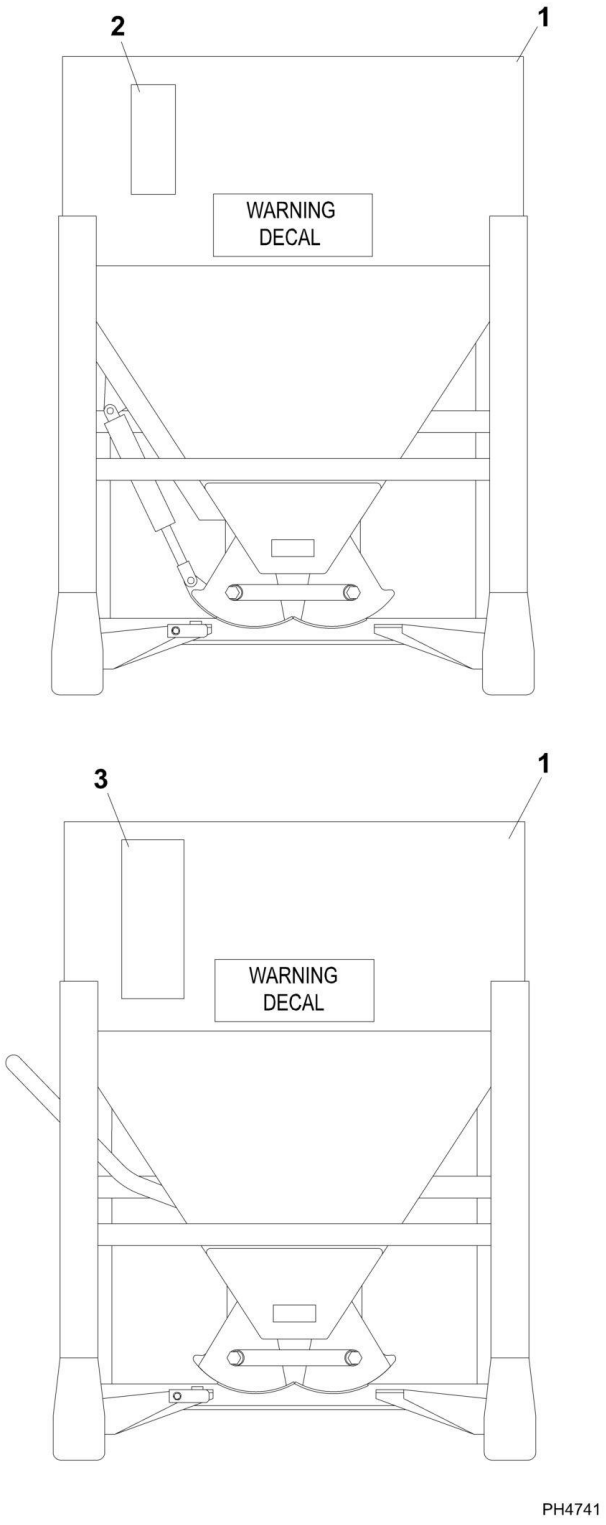


FIGURE 3-16. CONCRETE BUCKET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8866442	1	CONCRETE BUCKET, 1/2 YD^3, HYDRAULIC, (includes item 2)	B
1	8866444	1	CONCRETE BUCKET, 1/2 YD^3, MANUAL, (includes item 2)	B
1	8866441	1	CONCRETE BUCKET, 1 YD^3, HYDRAULIC (includes item 3) (10042,10054)	B
1	8866443	1	CONCRETE BUCKET, 1 YD^3, MANUAL (includes item 3) (10042,10054)	B
2	N.S.S.	1	S/N PLATE	
3	N.S.S.	1	S/N PLATE	
4	8866446	1	4 IN DISCHARGE HOSE, (not shown)	
4	8866561	1	4 IN DISCHARGE HOSE WITH GATE, (not shown)	
5	8866464	1	6 IN DISCHARGE HOSE, (not shown)	
6	8866560	1	8 IN DISCHARGE HOSE, (not shown)	
7	8866445	1	RUBBER SIDE DISCHARGE CHUTE, (not shown)	

FIGURE 3-17. SWEEPER ASSEMBLY

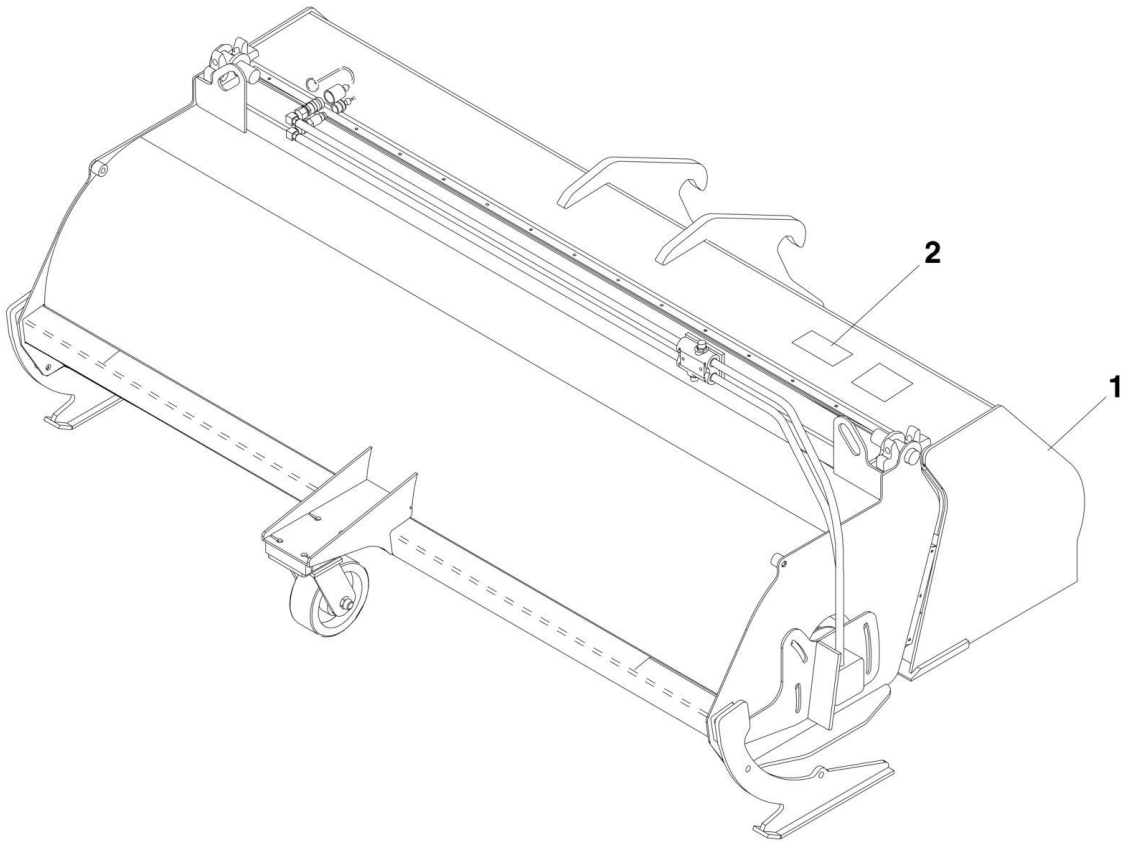


FIGURE 3-17. SWEEPER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7301180	1	SWEEPER ASSY, (includes all items)	B
1	7301718	1	24 IN SWEEPER WITH BUCKET	
2	N.S.S.	1	S/N PLATE	
4	4110461	1	WARNING DECAL, (not shown)	

FIGURE 3-18. FORK MOUNTED PLATFORM

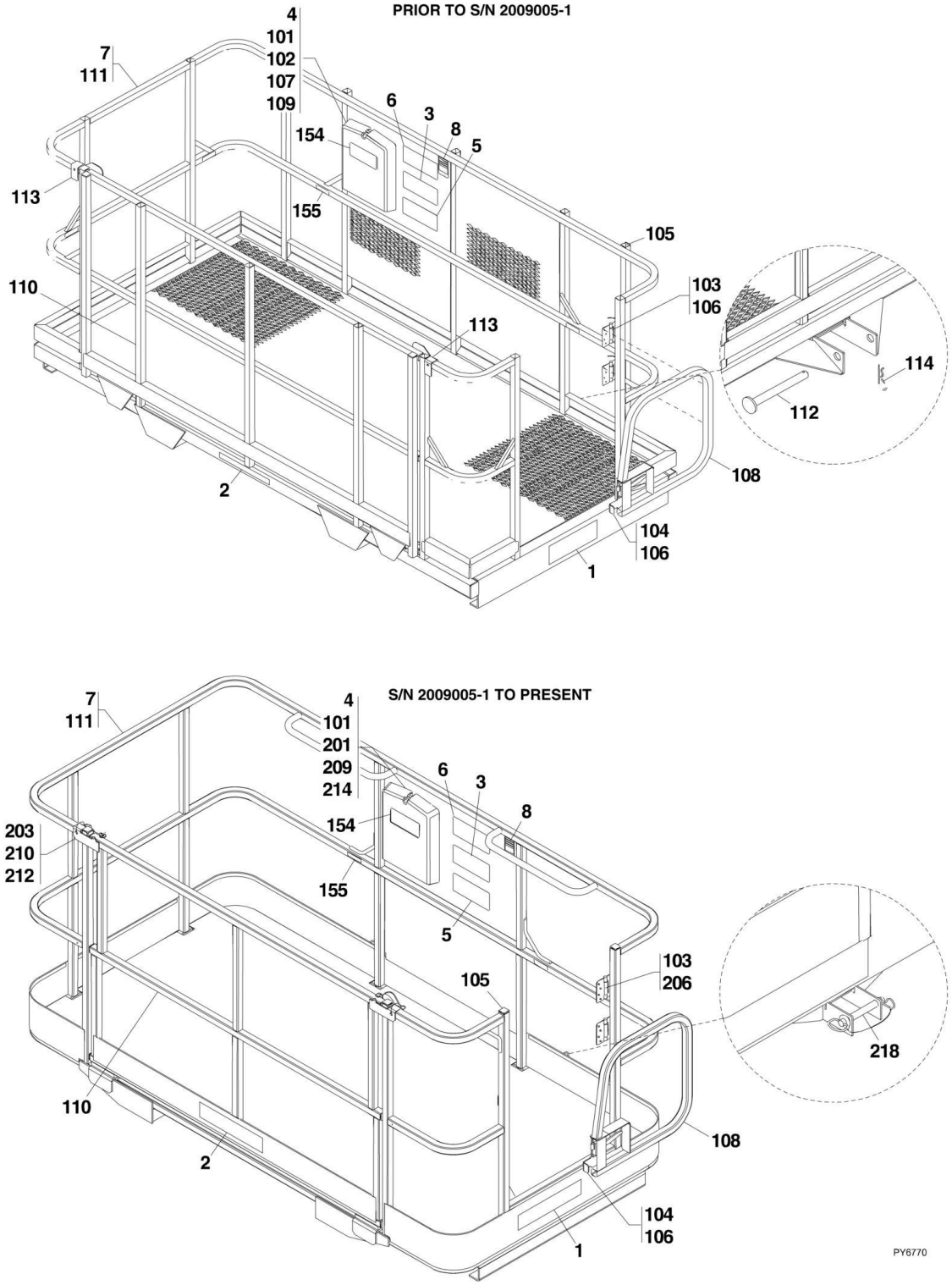


FIGURE 3-18. FORK MOUNTED PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001092280	NLA	FORK MOUNTED PLATFORM, (ASME), (no longer available, order 1001103637 for replacement or items 1 thru 8 for service) (Prior to S/N 2009005-1)	E
	1001103637	1	FORK MOUNTED PLATFORM, (ASME), (includes items 1 thru 8) (S/N 2009005-1 to Present)	B
	1001096306	NLA	FORK MOUNTED PLATFORM, (ISO), (no longer available, order 1001103730 for replacement or items 1 thru 8 for service) (Prior to S/N 2009005-1)	C
	1001103730	1	FORK MOUNTED PLATFORM, (ISO), (includes items 1 thru 8) (S/N 2009005-1 to Present)	B
	1001097072	NLA	FORK MOUNTED PLATFORM-1, (ASME - FRENCH), (no longer available, order 1001103736 for replacement or items 1 thru 8 for service) (Prior to S/N 2009005-1),	C
	1001103736	1	FORK MOUNTED PLATFORM, (ASME - FRENCH), (includes 1 thru 8) (S/N 2009005-1 to Present)	B
1	1702773	2	JLG DECAL	
2	1704885	1	WEBSITE DECAL	
3	1706892	1	PLATFORM WARNING DECAL, (ASME)	
3	1001096025	1	PLATFORM WARNING DECAL, (ISO)	
3	1001096024	1	PLATFORM WARNING DECAL, (ASME - FRENCH)	
4	31200160	1	OPERATION AND SAFETY MANUAL, (ASME)	
4	31200387	1	OPERATION AND SAFETY MANUAL, (ISO - SPANISH)	
4	31200388	1	OPERATION AND SAFETY MANUAL, (ISO - PORTUGUESE)	
4	31200386	1	OPERATION AND SAFETY MANUAL, (ASME - FRENCH)	
5	1001092481	1	WARNING DECAL, (ASME)	
5	1001096021	1	WARNING DECAL, (ISO)	
5	1001096019	1	WARNING DECAL, (ASME - FRENCH)	
6	1001092482	1	CAPACITY DECAL, (ASME)	
6	1001096023	1	CAPACITY DECAL, (ISO)	
6	1001096020	1	CAPACITY DECAL, (ASME - FRENCH)	
7	N.S.S.	1	FORK MOUNTED PLATFORM-1, (includes items 101 thru 114, 154 & 155) (Prior to SN 2009005)	B
7	N.S.S.	1	FORK MOUNTED PLATFORM, (S/N 2009005-1 to Present), (includes items 101, 103 thru 106, 108, 110, 111, 154, 155, 201, 203, 206, 210, 212, 214 & 218)	H
8	N.S.S.	1	S/N PLATE	
101	0860520	1	MANUAL STORAGE BOX	
102	2080044	4	RIVNUT FASTENER 1/4-20	
103	2600281	2	HINGE	
104	2940074	1	LATCH	
105	3520198	21	PLUG, (Prior to SN 2009005-1)	
105	3520072	10	PLUG, (SN 2009005-1 to Present)	
106	3820020	20	POP RIVET-1, (Prior to SN 2009005-1)	
106	3820020	4	POP RIVET, (SN 2009005-1 to Present)	
107	4751400	4	WASHER, 1/4	
108	4846452	1	GATE WELDMENT	
109	80263012	4	SCREW WHIZ LOCK 1/4-20 X 1/2	
110	1001093140	1	GATE WELDMENT, (Prior to SN 2009005-1)	
110	1001095810	1	GATE WELDMENT, (SN 2009005-1 to Present)	
111	N.S.S.	1	PLATFORM WELDMENT	
112	1001093171	2	PIN	
113	1001097168	2	PIN, SAFETY SNAP, WITH LANYARD	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
114	1001098582	2	LYNCH PIN 3/16 WITH LANYARD	
154	1701509	1	MANUAL DECAL	
155	1704277	3	LANYARD ATTACH DECAL	
201	0641405	4	HEX HD CAPSCREW, 1/4-20X5/8	
203	1060379	2	6 IN LANYARD CABLE	
206	2080040	16	FASTENER	
209	3311405	4	HEX NUT, 1/4-20	
210	3421453	2	PIN	
212	3760170	4	RING	
214	4711400	8	WASHER, 1/4	
218	1001102813	2	HITCH PIN	

FIGURE 3-19. GRAPPLE BUCKET

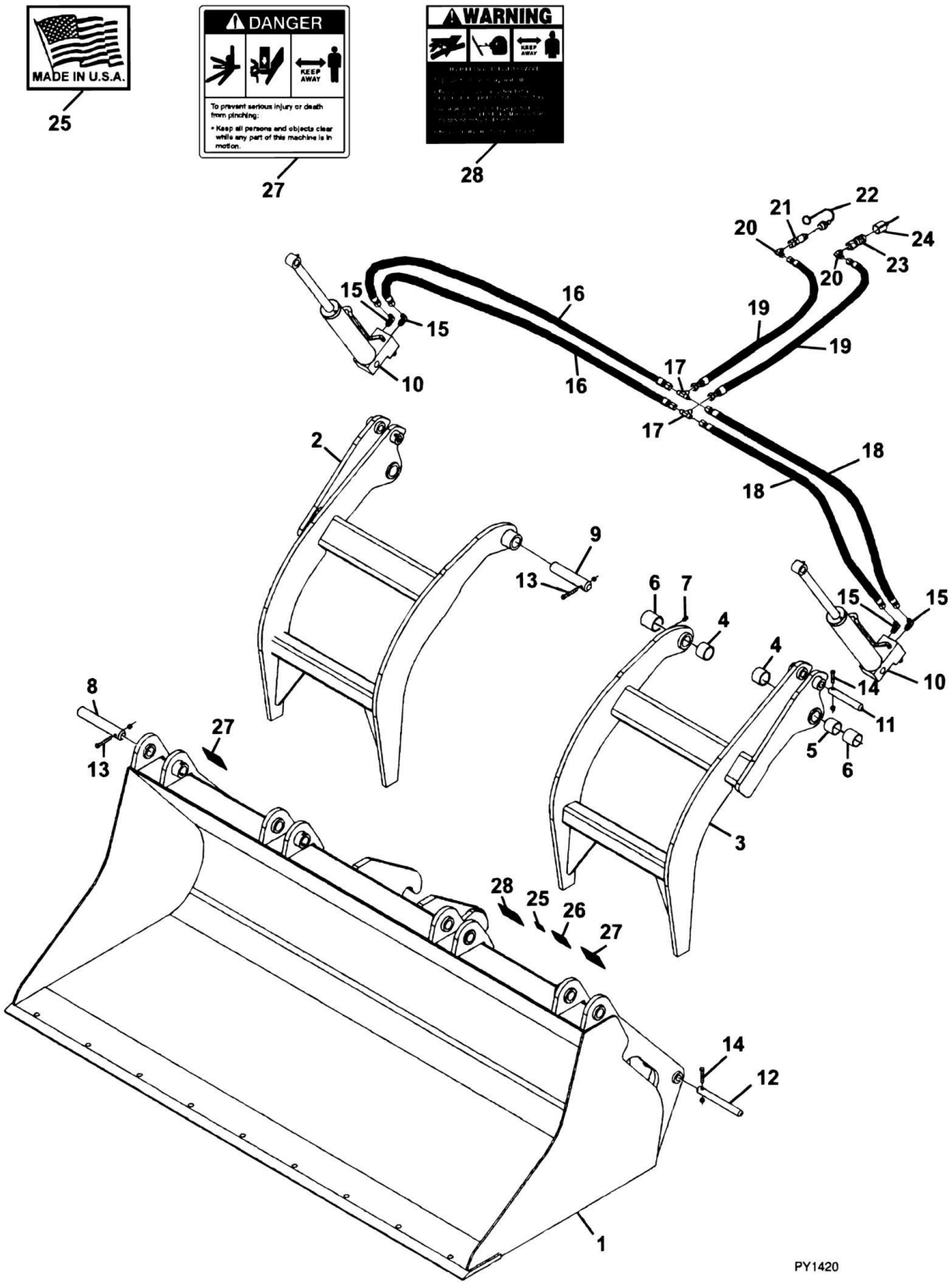


FIGURE 3-19. GRAPPLE BUCKET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0930020	1	GRAPPLE BUCKET, (includes all items)	G
1	N.S.S.	1	BUCKET	
1	70021387	4	HOSE CLAMP	
2	70021391	1	RIGHT GRAPPLE HOOK	
3	70021392	1	LEFT GRAPPLE HOOK	
4	70021358	4	BUSHING	
5	70021359	2	SPACER	
6	70021360	4	BUSHING	
7	7029714	4	GREASE FITTING	
8	70021361	2	OUTER PIVOT PIN	
9	70021362	2	INNER PIVOT PIN	
10		Ref	CYLINDER ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
11	70021364	2	PIN	
12	70021365	2	PIN	
13	70021366	4	HEX HD CAPSCREW, 3/8X2.75	
13	70021367	4	LOCK NUT, 3/8	
14	70021399	4	HEX HD CAPSCREW, 3/8X2.25	
14	70021367	4	LOCK NUT, 3/8	
15	90554065	4	ELBOW, 90	
16	70021980	2	HOSE ASSY, 3/8X73	
17	70020562	2	FITTING, TEE	
18	70021981	2	HOSE ASSY, 3/8X46	
19	70021982	2	HOSE ASSY, 3/8X34	
20	70022527	2	ELBOW, 90	
21	7029692	1	MALE QUICK COUPLER	
22	90554062	1	DUST COVER	
23	70021342	1	FEMALE QUICK COUPLER	
24	90554076	1	DUST COVER	
25	90554016	1	USA DECAL	
26	N.S.S.	1	S/N PLATE	
27	90554017	2	DANGER PINCH POINT DECAL	
28	90554018	1	HIGH PRESSURE WARNING DECAL	

FIGURE 3-20. FORK PIN LOCK INSTALLATION

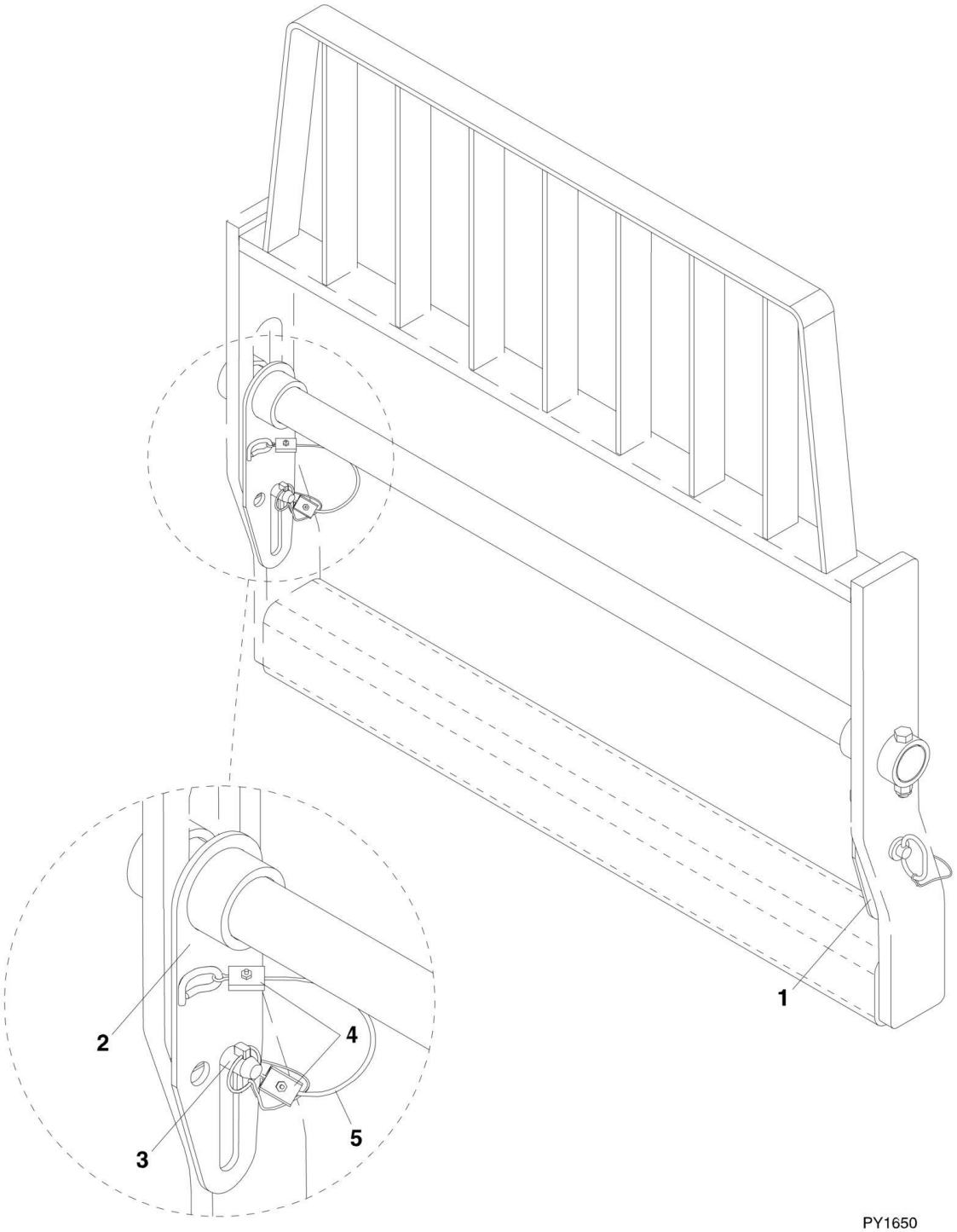


FIGURE 3-20. FORK PIN LOCK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001093465	1	FORK PIN LOCK INSTALLATION, (includes all items)	
1	0240156	1	FORK PIN LOCK, LH	
2	1001093273	1	FORK PIN LOCK, RH	
3	1001093377	2	HITCH PIN	
4	1001094830	4	CLAMP	
5	1001094330	2	LANYARD	

FIGURE 3-21. DUAL FORK POSITIONING CARRIAGE ASSEMBLY

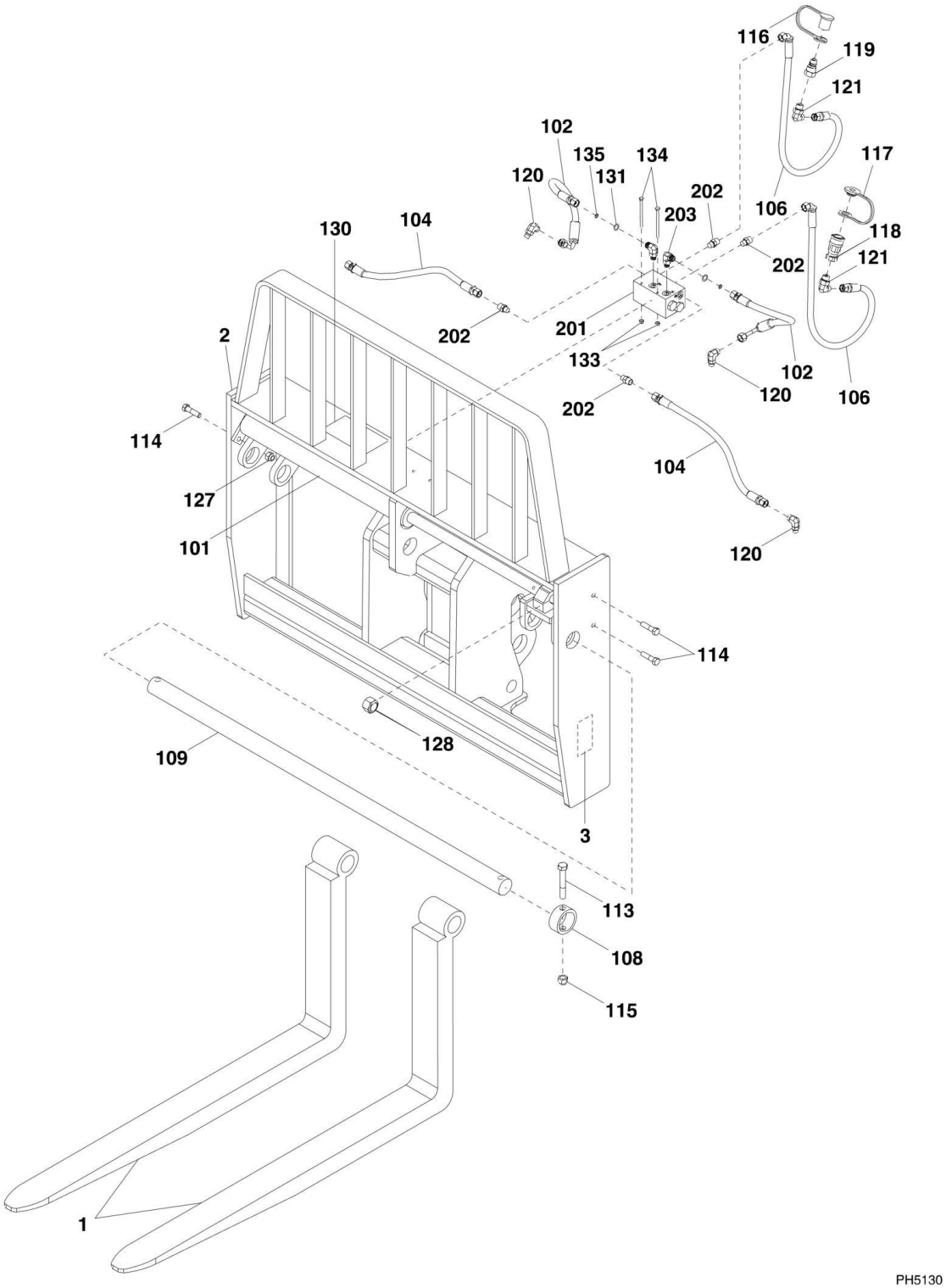
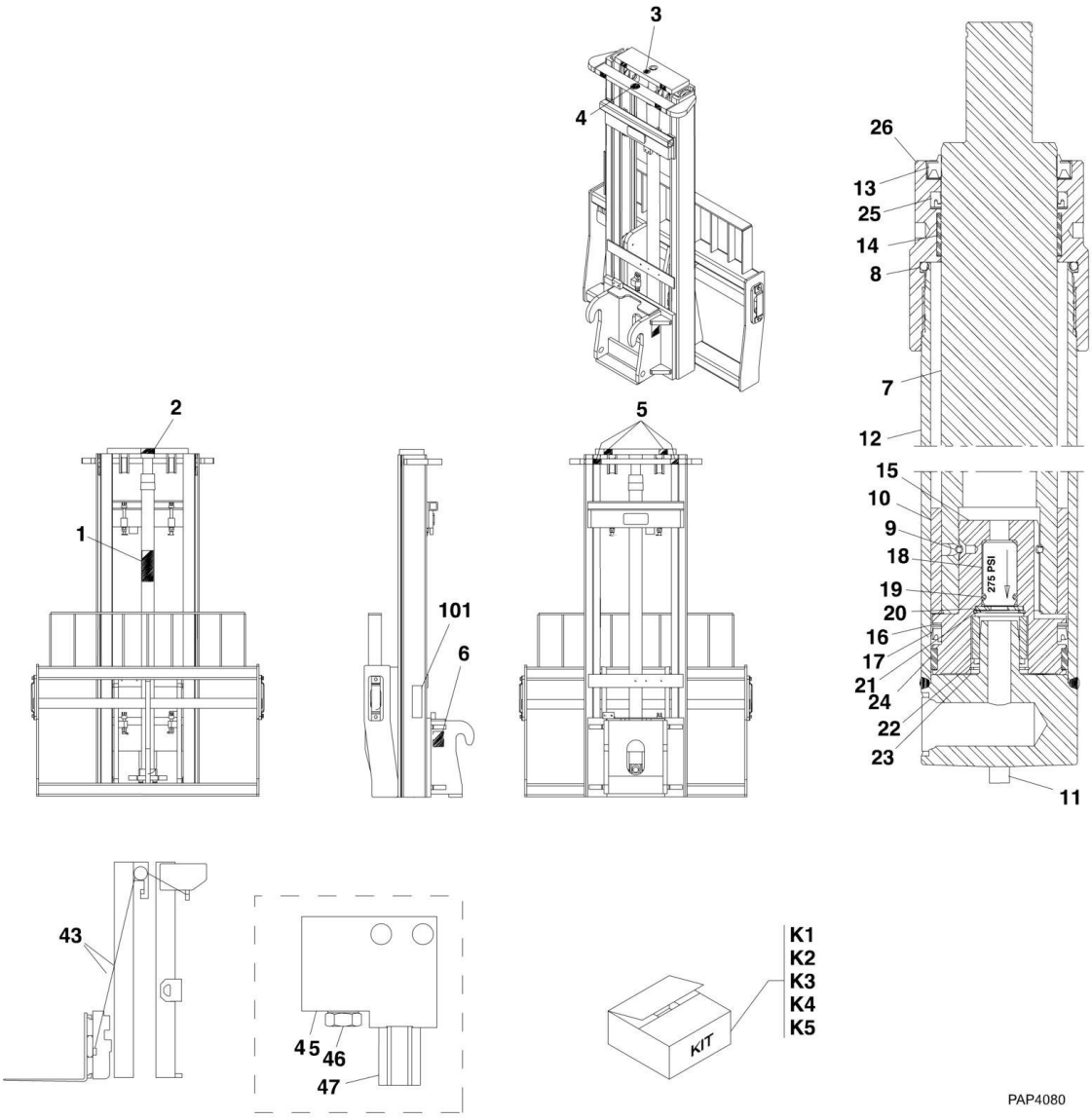


FIGURE 3-21. DUAL FORK POSITIONING CARRIAGE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7301295	1	50 IN DUAL FORK CARRIAGE ASSY, (includes items 1 thru 3)	F
1	7301408	2	PALLET FORK, (60X100X1220mm)	
2	7301568	1	50 IN CARRIAGE, (includes items 101 thru 135)	I
3	N.S.S.	1	S/N PLATE	
101	2717283	2	FORK POSITIONING CYLINDER	
102	2717160	2	HOSE ASSY	
104	2717161	2	HOSE ASSY	
106	2717162	2	HOSE ASSY	
108	90200003	1	COLLAR, FORK PIN	
109	90451058	1	FORK SHAFT	
113	8303634	2	HEX HD CAPSCREW, 5/8-11X4, GR5	
114	8303658	4	HEX HD CAPSCREW, 1/2-13X2, GR5	
115	8305643	2	HEX LOCKNUT, 5/8-11	
116	8420053	1	DUST CAP	
117	8420055	1	DUST PLUG	
118	91403413	1	CONNECTOR	
119	91403414	1	CONNECTOR	
120	2130606	4	ELBOW, 90, (includes o-ring)	
121	2130608	2	ELBOW, 90, (includes o-ring)	
127	8310302	4	HEX LOCKNUT, 1/2-13	
128	10705034	2	HEX LOCKNUT, 1-14	
130	4110473	1	HOSE ROUTING DECAL	
131	7139918	2	ORIFICE DISK	
132	4641502	1	VALVE ASSY, (includes items 201 thru 203)	B
133	8305624	2	HEX LOCKNUT, 1/4-20	
134	8310435	2	HEX HD CAPSCREW, 1/4-20X3-3/4, GR5	
135	8630003	2	O-RING	
201	4641501	1	FLOW DIVIDER VALVE	
202	2110606	4	CONNECTOR	
203	2130606	2	ELBOW, 90, (includes o-ring)	

FIGURE 3-22. 8 FT STANDARD MAST



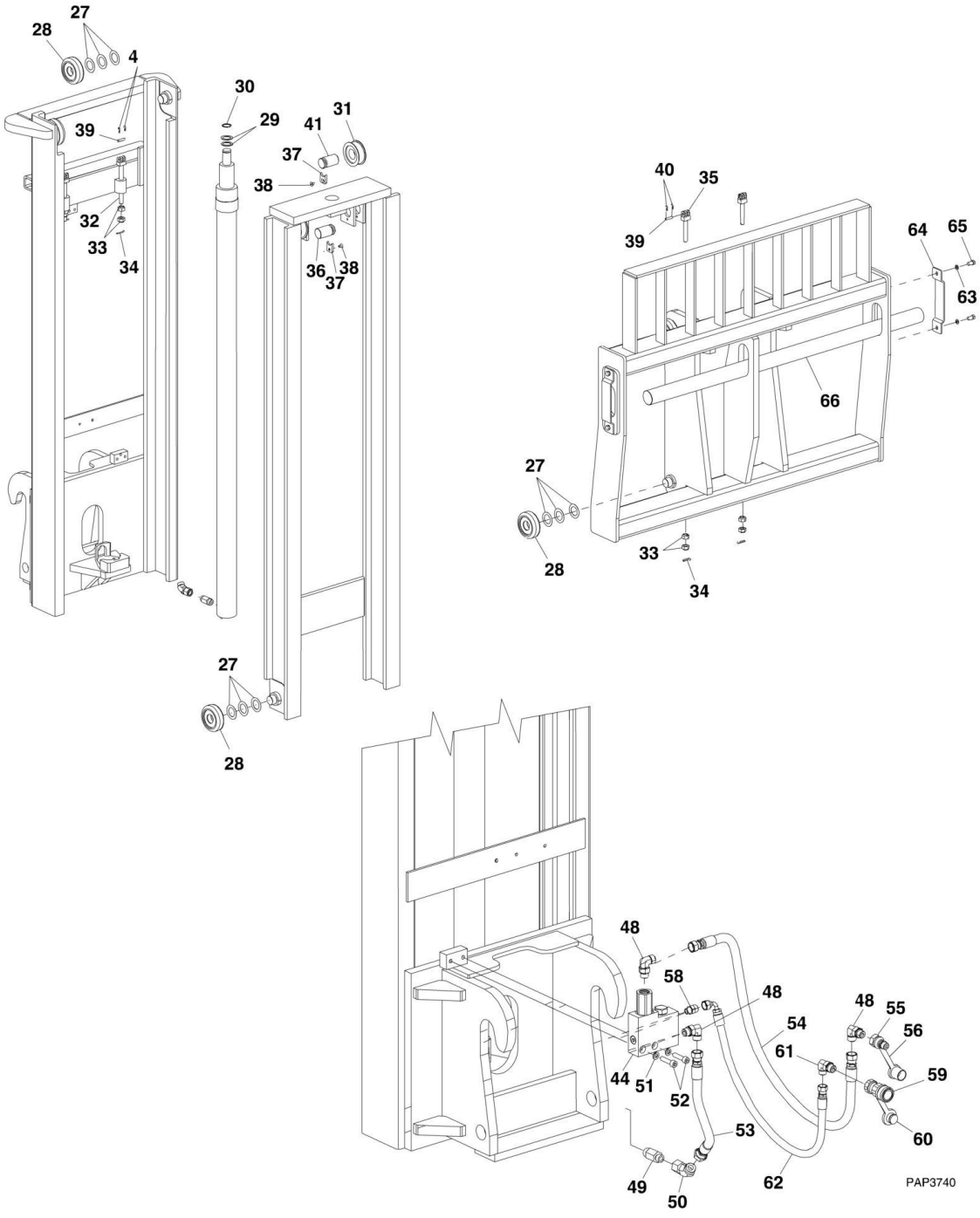

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FIGURE 3-22. 8 FT STANDARD MAST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108668	1	8 FT STANDARD MAST, (includes all items)	B
1	Kit	1	WARNING DECAL	
2	Kit	1	WARNING DECAL	
3	Kit	1	NO STEP DECAL	
4	Kit	1	NO STEP DECAL	
5	Kit	4	HANDS OFF DECAL	
6	1001111190	2	HOSE ROUTING	
6	70023008	1	MAIN LIFT CYLINDER	
7	N.S.S.	1	ROD/PLUNGER	
8	Kit	1	O-RING	
9	Kit	1	PULL WIRE	
10	N.S.S.	1	SPACER	
11	N.S.S.	1	ROLL PIN	
12	N.S.S.	1	BARREL	
13	Kit	1	WIPER	
14	Kit	1	BUSHING	
15	N.S.S.	1	PISTON	
16	Kit	1	NYLON RING	
17	Kit	1	PISTON SEAL	
18	Kit	1	CHECK VALVE	
19	Kit	1	O-RING	
20	Kit	1	WASHER	
21	Kit	1	CIRCLIP	
	N.S.S.	1	SLEEVE	
23	Kit	1	RETAINING RING	
24	Kit	1	WEAR RING	
25	Kit	1	ROD SEAL	
26	70023004	1	RETAINER/GLAND	
27	70023014	24	SHIM	
28	70022987	8	BALL BEARING	
29	Kit	2	WASHER SHIM	
30	70023016	1	SNAP RING	
31	70022969	2	SHEAVE ASSY	
32	70022960	2	CHAIN ANCHOR	
33	70022957	8	NUT, 0.625-18UNF	
34	70022993	4	COTTER PIN	
35	70022995	2	CHAIN ANCHOR	
36	70022984	1	SHEAVE SHAFT	
37	70022970	2	RETAINER BAR	
38	70023003	2	FLAT HD CAPSCREW	
39	70022994	4	CHAIN ANCHOR PIN	
40	70022992	8	COTTER PIN	
41	70022985	1	SHEAVE SHAFT	
43	70023009	2	LIFT CHAIN	
44	70022932	1	PO CHECK VALVE ASSY, (includes items 45, 46 & 47)	
45	N.S.S.	1	MANIFOLD	
46	70022931	1	PO CHECK VALVE CARTRIDGE	
47	70023010	1	P.O. CHECK	
48	70022934	3	FITTING, 90	
49	70022936	1	FLOW LIMITER	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	70022937	1	FITTING, 45	
51	70022949	2	LOCKWASHER, M10	
52	70022950	2	HEX SOCKET CAPSCREW	
53	70022942	1	HOSE ASSY	
54	70022952	1	HOSE ASSY	
55	91403414	1	MALE QUICK DISCONNECT COUPLING	
56	91043126	1	DUST CAP	
58	70022939	1	STRAIGHT FITTING, #6	
59	91403413	1	FEMALE QUICK DISCONNECT COUPLING	
60	91043125	1	DUST PLUG	
61	70022935	1	ELBOW, STRAIGHT THREAD	
62	70022946	1	HOSE ASSY	
63	70022949	4	LOCKWASHER, M10	
64	70022980	2	FORK PIN KEEPER	
65	70022998	4	CAPSCREW, M10X20 LG	
66	70022990	1	FORK PIN	
101	N.S.S.	1	S/N PLATE	
K1	70023925	1	DECAL KIT, (includes items 1 thru 6)	
K2	70023005	1	SEAL KIT, MAIN LIFT CYLINDER, (includes items 8, 9, 13, 14, 16, 17, 19, 21, 23, 24 & 25)	
K3	70023006	1	CHECK VALVE KIT, (includes items 18, 19, 20, 21 & 23)	
K4	70023007	1	SHIM KIT	
K5	70023015	1	MAST COMMON PARTS KIT, (includes items 27 thru 42)	

FIGURE 3-23. SIDE SHIFT CARRIAGE ASSEMBLY (50 INCH), (INCLUDES ALL ITEMS)

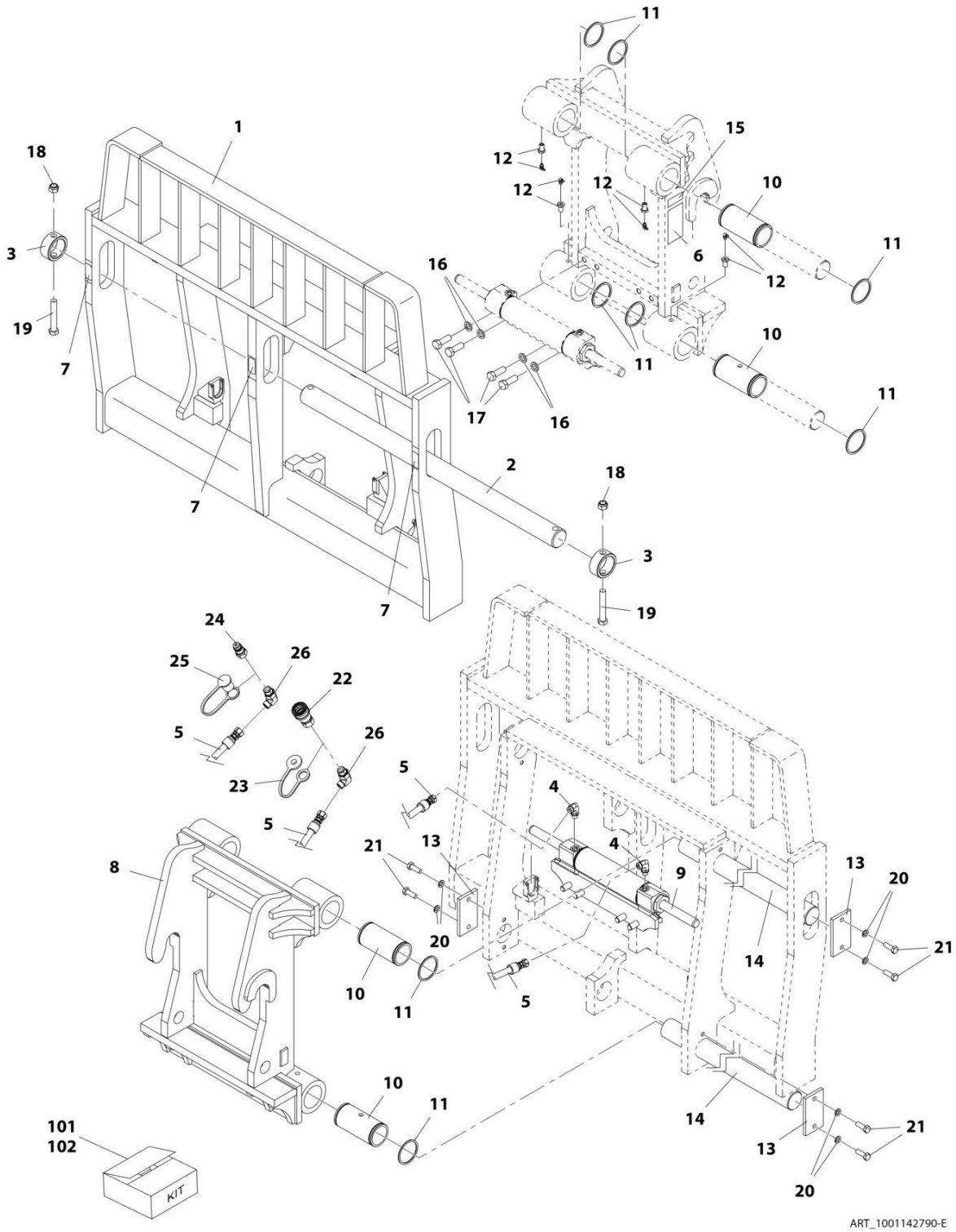


FIGURE 3-23. SIDE SHIFT CARRIAGE ASSEMBLY (50 INCH), (INCLUDES ALL ITEMS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001142790	Ref	SIDE SHIFT CARRIAGE ASSEMBLY (50 INCH)	C
1	N.S.S.	1	WELDMENT	
2	70024535	1	SHAFT	
3	70024536	2	COLLAR	
4	70024123	2	ADAPTER, 90 (includes o-ring)	
5	70024537	2	HOSE	
6	N.S.S.	1	S/N PLATE	
7	70024538	3	DECAL, WARNING	
8	N.S.S.	1	WELDMENT	
9	70024539	1	CYLINDER, SIDE SHIFT CARRIAGE (50 INCH) (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
10	70024540	4	BUSHING	
11	70024541	8	CIRCLIP	
12	70024542	4	FITTING, GREASE	
13	70024543	4	RETAINER	
14	70024544	2	SHAFT	
15	N.S.S.	1	S/N PLATE	
16	70024551	4	WASHER, LOCK 16	
17	70024552	4	BOLT, M16X45	
18	70024553	2	NUT, HEX M16	
19	70024554	2	BOLT, M16X100	
20	70022997	8	WASHER, LOCK 12	
21	70024555	8	BOLT, M12X35	
22	91403413	1	ADAPTER, FEMALE QUICK DISCONNECT	
23	8420055	1	PLUG, DUST	
24	91403414	1	ADAPTER, MALE QUICK DISCONNECT	
25	8420053	1	CAP, DUST	
26	70024550	2	ADAPTER, 90 (includes o-ring)	
101	70024545	1	KIT, HYDRAULIC REPAIR (includes items 5 and 22 thru 26)	
102	70024546	1	KIT, RETAINER (includes items 13, 20 and 21)	

SECTION 4 - ENGINE AND ATTACHING PARTS

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-1. ENGINE MOUNTING (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

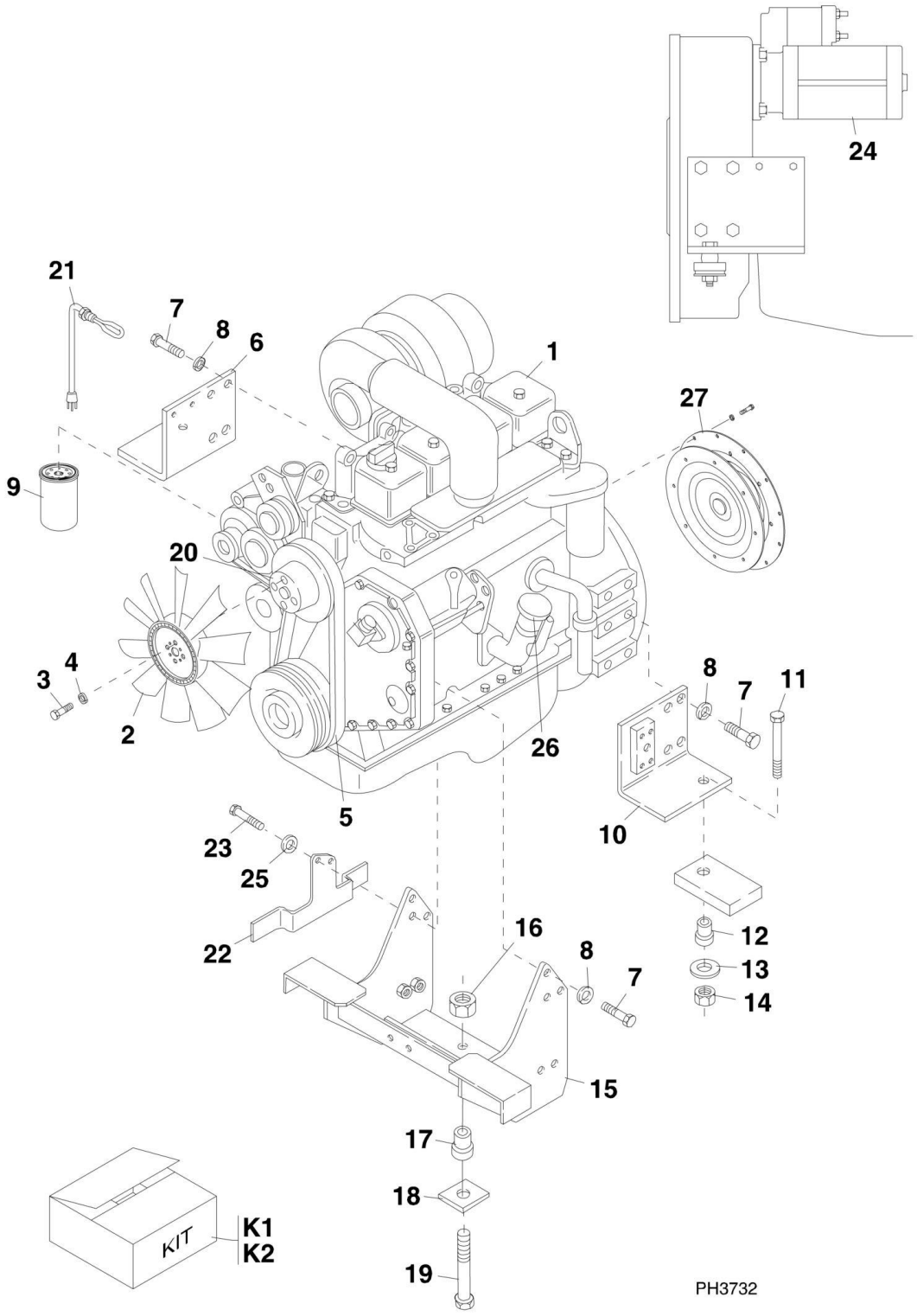


FIGURE 4-1. ENGINE MOUNTING (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8262319	1	CUMMINS ENGINE, 4BT 3.9 TURBO (8042)	
1	8262320	1	CUMMINS ENGINE, 4BTA 3.9 AFTER COOLED TURBO (10042,10054)	
2	8272017	1	Fan	
3	8310424	4	HEX HD CAPSCREW, M8X60mm	
4	8307222	4	FLAT WASHER, M8	
5	8080613	1	ENGINE FAN BELT	
6	7095272	1	ENGINE MOUNT, LH	
7	8303790	12	HEX HD CAPSCREW, M12X30mm	
8	8307025	12	LOCKWASHER, M12	
9	8320262	1	ENGINE OIL FILTER ELEMENT	
10	7138881	1	ENGINE MOUNT, RH	
11	8303702	2	HEX HD CAPSCREW, 1/2-13X3	
12	8278012	2	VIBRATION MOUNT	
13	7095831	2	REBOUND WASHER	
14	8305644	2	HEX LOCKNUT, 1/2-13	
15	7138813	1	ENGINE MOUNT	
16	8310067	1	HEX LOCKNUT, 3/4-10	
17	8278007	1	VIBRATION MOUNT	
18	7054351	1	REBOUND WASHER	
19	8303724	1	HEX HD CAPSCREW, 3/4-10X3-1/2	
20	8036544	1	FAN SPACER	
21	8277161	1	COOLANT HEATER	
22	7138318	1	MUFFLER BRACKET	
23	8303519	2	HEX HD CAPSCREW, M12X35mm	
24	8033340	1	STARTER, 12V, (includes solenoid)	
25	8307025	2	LOCKWASHER, M12	
26	83673130	1	OIL FILL CAP	
27		Ref	ISOLATION COUPLER, (See ISOLATION COUPLER for Breakdown)	
K1	7138290	1	ENGINE FILTER KIT, 250 HOUR, (includes 3 filters: engine oil, primary fuel and in-line fuel)	
K2	8024000	1	ENGINE FILTER KIT, 1000 HOUR, (includes 7 filters: transmission oil, hydraulic oil, primary air, safety element air, engine oil, in-line fuel, primary fuel)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-2. ENGINE MOUNTING (8042 SN 18991 through 19987; 10042 SN 19031 through 19987; 10054 SN 19080 through 19987; SN 0160002332 through 0160029586, SN 0160002332 through 0160029586, SN 0160002332 through 0160029586)

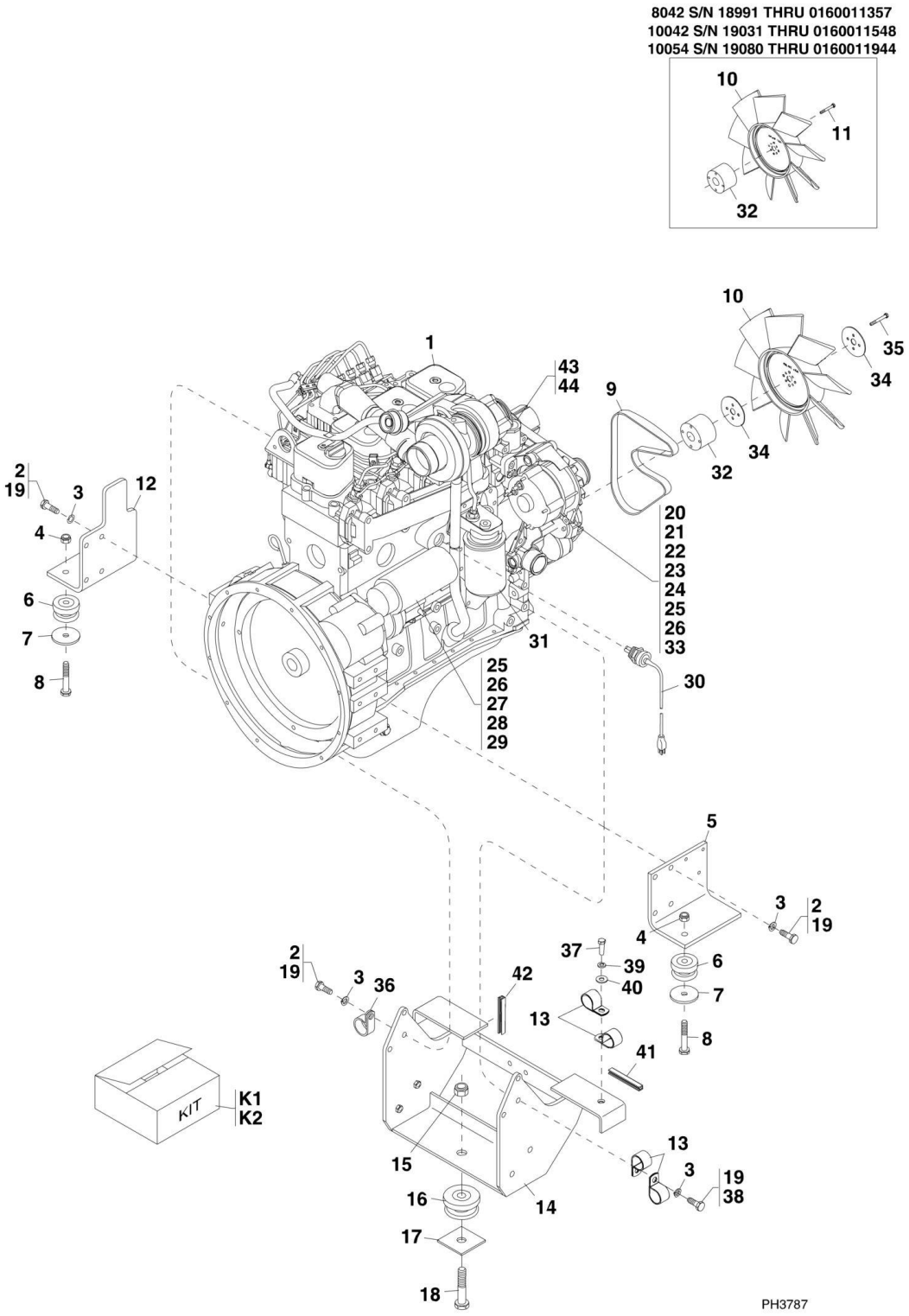


FIGURE 4-2. ENGINE MOUNTING (8042 SN 18991 through 19987; 10042 SN 19031 through 19987; 10054 SN 19080 through 19987; SN 0160002332 through 0160029586, SN 0160002332 through 0160029586, SN 0160002332 through 0160029586)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8262162	1	CUMMINS ENGINE, QSB 4.5T (10042,10054,8042) **(8042 SN 18991 through 0160026167; 10042 SN 19031 through 0160026167; 10054 SN 19080 through 0160026167)**	
1	2000392	1	CUMMINS ENGINE, QSB 4.5T **(SN 0160026196 through 0160029586)**	
1	70020367	1	RELAY, 12V	
1	7029829	1	ENGINE HEATER CABLE	
1	7029830	1	ENGINE HEATER	
1	7029831	1	TEMPERATURE SENDER	
1	7029991	1	TRANSFER FUEL PUMP	
1	1321797	1	GASKET, TRANSFER FUEL PUMP	
1	7026666	1	STARTER	
1	1321976	1	DIPSTICK TUBE, (shorter, one piece design) **(SN 0160002332 through 0160026195)**	
1	1321968	1	DIPSTICK, (shorter, one piece design) **(SN 0160002332 through 0160026195)**	
1	70021810	1	EXPANSION PLUG	
1	91164113	1	OIL GUAGE TUBE END, (use with longer, two piece design)	
1	91164114	1	SPRING HOSE CLAMP, (use with longer, two piece design)	
1	70023625	1	OIL GAUGE TUBE, LONG, (use with longer, two piece design)	
1	70023626	1	DIPSTICK, (use with longer, two piece design)	
1	70023627	1	BRACE TUBE, (use with longer, two piece design)	
1	70023628	1	OIL GAUGE TUBE, SHORT, (use with longer, two piece design)	
1	70023296	1	DIPSTICK TUBE **(SN 0160026196 through 0160029586)**	
1	70023297	1	DIPSTICK **(SN 0160026196 through 0160029586)**	
1	70023790	1	FUEL INJECTION PUMP	
1	7029164	1	WATER PUMP KIT, (includes gasket)	
1	70027870	1	TUBE, INJECTOR FUEL SUPPLY	
1	70027871	1	TUBE, INJECTOR FUEL SUPPLY	
1	70024288	1	TUBE, INJECTOR FUEL SUPPLY	
1	70024376	1	TUBE, INJECTOR FUEL SUPPLY	
1	1322087	12	ISOLATOR, VIBRATION	
1	70021456	1	TUBE, TURBO OIL DRAIN WITH SEALS	
2	0701214	13	HEX HD CAPSCREW, 12X30mm, PC8.8, (apply Loctite and torque to 126-135 Nm)	
3	8307025	14	LOCKWASHER, M12	
4	8305644	2	HEX LOCKNUT, 1/2-13	
5	7095272	1	ENGINE MOUNT, LH	
6	8278012	2	CENTER BONDED MOUNT	
7	7095831	2	REBOUND WASHER	
8	8310290	2	HEX HD CAPSCREW, 500-13 NC X 3.500, GR8 (torque to 80-90 lb-ft)	
9	8036605	1	FAN BELT (10042,10054,8042) **(8042 SN 18991 through 0160014865; 10042 SN 19031 through 0160014861; 10054 SN 19080 through 0160014864)**	
9	7029270	1	FAN BELT (10042,10054,8042) **(8042 SN 0160014880 through 0160029592; 10042 SN 0160015021 through 0160029606; 10054 SN 0160014890 through 0160029593)**	
10	8272027	1	21IN PUSHER FAN	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
11	N.S.S.	NLA	HEX HD CAPSCREW, M8-1.5X90mm, PC8.8, (no longer available, use items 34 & 35 for replacement) (10042,10054,8042) **(8042 SN 18991 through 0160011357; 10042 SN 19031 through 0160011548; 10054 SN 19080 through 0160011944)**	
12	4341004	1	ENGINE MOUNT, RH	
13	8406302	4	HOSE CLAMP, 1-1/4 DIA	
14	7138813	1	ENGINE MOUNT	
15	8310067	1	HEX LOCKNUT, 3/4-10	
16	8278007	1	RUBBER MOUNT	
17	7054351	1	REBOUND WASHER	
18	8303724	1	HEX HD CAPSCREW, 3/4-10X3-1/2, GR5, (torque to 285-320 Nm)	
19	8526007	AR	LOCTITE 242, (apply to items 2 & 38)	
20		Ref	ALTERNATOR, (no longer available, use following Kit, Cable Assy, Fan Belt 7029270 & Alternator 7029525 for replacement) (10042,10054,8042) **(8042 SN 18991 through 0160014888; 10042 SN 19031 through 0160014861; 10054 SN 19080 through 0160014890)**	
20	2915170	1	ALTERNATOR SERVICE KIT	
20	7310012	1	CABLE ASSY	
20	7029525	1	ALTERNATOR (10042,10054,8042) **(8042 SN 0160014880 through 0160029592; 10042 SN 0160015021 through 0160029606; 10054 SN 0160014890 through 0160029593)**	
21	8270220	1	ALTERNATOR FAN (10042,10054,8042) **(8042 SN 18991 through 0160014865; 10042 SN 19031 through 0160014861; 10054 SN 19080 through 0160014864)**	
22	80974028	1	ALTERNATOR PULLEY	
23	8307022	1	LOCKWASHER, M8	
24	8305043	1	HEX NUT, M8-1.25	
25	8310077	3	HEX JAM NUT, M5-0.8	
26	8310078	3	LOCKWASHER, M5	
27	7026666	1	STARTER, (includes starter solenoid)	
28	8307023	1	LOCKWASHER, M10	
29	8305438	1	HEX JAM NUT, M10	
30	8277161	1	COOLANT HEATER	
31	8320275	1	ENGINE OIL FILTER ELEMENT	
32	7028783	1	FAN SPACER	
33	80974033	1	SPLIT BUSHING	
34	3575947	2	FAN HUB PLATE (10042,10054,8042) **(8042 SN 0160014880 through 0160029592; 10042 SN 0160015021 through 0160029606; 10054 SN 0160014890 through 0160029593)**	
35	8310354	4	HEX HD CAPSCREW, M10-1.5X80mm, PC8.8 (10042,10054,8042) **(8042 SN 0160014880 through 0160029592; 10042 SN 0160015021 through 0160029606; 10054 SN 0160014890 through 0160029593)**	
36	8406105	1	TUBE CLIP	
37	8303675	1	HEX HD CAPSCREW, 3-8-16X1-1/4, GR5	
38	0701215	1	HEX HD CAPSCREW, 12X35mm, (apply Loctite and torque to 126-135 Nm)	
39	8307005	1	LOCKWASHER, 3/8	
40	8307204	1	WASHER, 3/8	
41	4060805	10 in	SHIELD FLEXIBLE TRIM, 1/4	
42	4060807	7 in	SHIELD FLEXIBLE TRIM, 3/8	
43	7029944	1	THERMOSTAT	
44	7029945	1	THERMOSTAT GASKET	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
K1	8024049	1	250 HOUR FILTER KIT, (includes 5 filters: engine oil, primary fuel, in-line fuel, primary air filter and safety air filter)	
K2	8024050	1	1000 HOUR FILTER KIT, (includes 8 filters: transmission oil, hydraulic oil, primary air filter, safety air filter, engine oil, in-line fuel, primary fuel and filler breather)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-3. ENGINE MOUNTING (8042 SN 0160029593 through 0160038983; 10054 SN 0160029593 through 0160038983; 10042 SN 0160029593 through 0160038370)

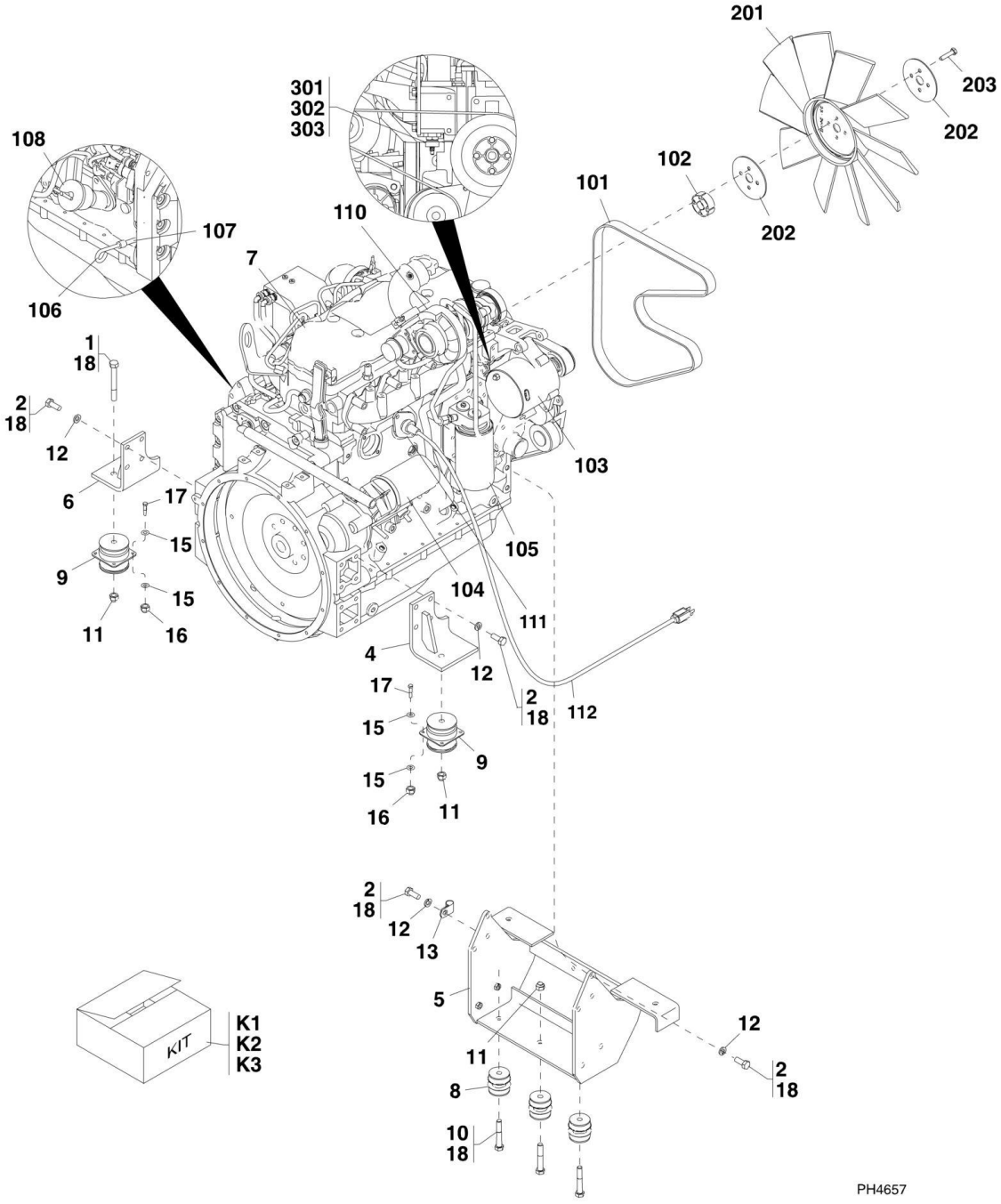


FIGURE 4-3. ENGINE MOUNTING (8042 SN 0160029593 through 0160038983; 10054 SN 0160029593 through 0160038983; 10042 SN 0160029593 through 0160038370)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2000395	1	ENGINE ASSY, (includes items 1 thru 18)	H
1	0641832	2	HEX HD CAPSCREW, 1/2-13X4, (torque to 120 lb-ft)	
2	0701214	14	HEX HD CAPSCREW, M12X30, PC8.8, (torque to 97 Nm)	
4	0903642	1	ENGINE MOUNT, LH	
5	0903643	1	REAR ENGINE MOUNT	
6	0903677	1	ENGINE MOUNT, RH	
7	2000397	1	CUMMINS ENGINE, QSB4.5, (includes items 101 thru 118)	D
8	1001091082	3	ISOLATOR	
9	4341396	2	ISOLATOR	
10	8303702	3	HEX HD CAPSCREW, 1/2-13X3, GR5, (torque to 85 lb-ft)	
11	8305644	5	HEX LOCKNUT, 1/2-13, (torque to 59-66 lb-ft)	
12	8307025	14	LOCKWASHER, M12	
13	8406105	1	HOSE CLAMP	
15	4891500	16	WASHER, 5/16	
16	3311505	8	HEX LOCKNUT, 5/16-18, GR2	
17	0641510	8	HEX HD CAPSCREW, 5/16-18X1-1/4	
18	0100011	AR	LOCTITE 242, (apply to items 1, 2 & 10)	
101	70020357	1	FAN BELT	
102	70020347	1	FAN SPACER	
103	7029525	1	ALTERNATOR **(SN 0160002332 through 0160038965)**	
103	70024310	1	ALTERNATOR **(SN 0160038965 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
104	70020352	1	STARTER	
105	70020358	1	ENGINE OIL FILTER ELEMENT	
106	70020350	1	DIPSTICK	
107	70020351	1	DIPSTICK TUBE	
108	83673130	1	OIL FILL CAP	
109	70020356	1	THERMOSTAT, (not shown)	
110	70023194	1	TURBOCHARGER KIT, (includes turbocharger and mounting gaskets)	
111	70023443	1	BLOCK HEATER, (includes o-ring)	
112	70023444	1	CABLE, BLOCK HEATER	
113	70022634	1	FLYWHEEL, (includes item 114), (not shown)	
114	70023736	1	RING GEAR, (not shown)	
115	70026437	1	SENSOR, INTAKE MANIFOLD, (not shown)	
116	70026403	1	GASKET, OIL DRAIN, (not shown)	
117	70026402	1	GASKET, TURBO OIL DRAIN, (not shown)	
118	70026557	1	TUBE, FUEL SUPPLY, (not shown), (includes both fuel supply lines and 1 clamp)	
	2060046	1	FAN ASSY, (includes items 201 thru 203)	E
201	2060045	1	22 IN PUSHER FAN	
202	3575947	2	FAN HUB PLATE	
203	8310748	4	HEX HD CAPSCREW, M10X1.5X50, PC8.8, (torque to 25-45 lb-ft)	
	1001094010	1	SENSORS INSTALLATION, (includes items 301 thru 303)	B
301	8223244	1	WATER TEMPERATURE SWITCH	
302	8220073	1	TAB TERMINAL	
303	2221154	1	REDUCER (10042,10054,8042) **(8042 SN 0160033553 through 0160045249; 10042 SN 0160033550 through 0160045249; 10054 SN 0160033552 through 0160045249; Including**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)	
K1	1001101080	1	SENSOR KIT, (includes item 303 and plug) (10042,10054,8042) **(8042 SN 0160029593 through 0160033552; 10042 SN 0160029607 through 0160033549; 10054 SN 0160029594 through 0160033551)**	
K2	1001111849	1	250 HOUR FILTER KIT, (includes 5 filters: engine oil, primary fuel, in-line fuel, primary air filter and safety air filter)	
K3	1001111850	1	1000 HOUR FILTER KIT, (includes 8 filters: transmission oil, hydraulic oil, primary air filter, safety air filter, engine oil, in-line fuel, primary fuel and filler breather)	

FIGURE 4-4. ENGINE MOUNTING (10042 SN 0160038371 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

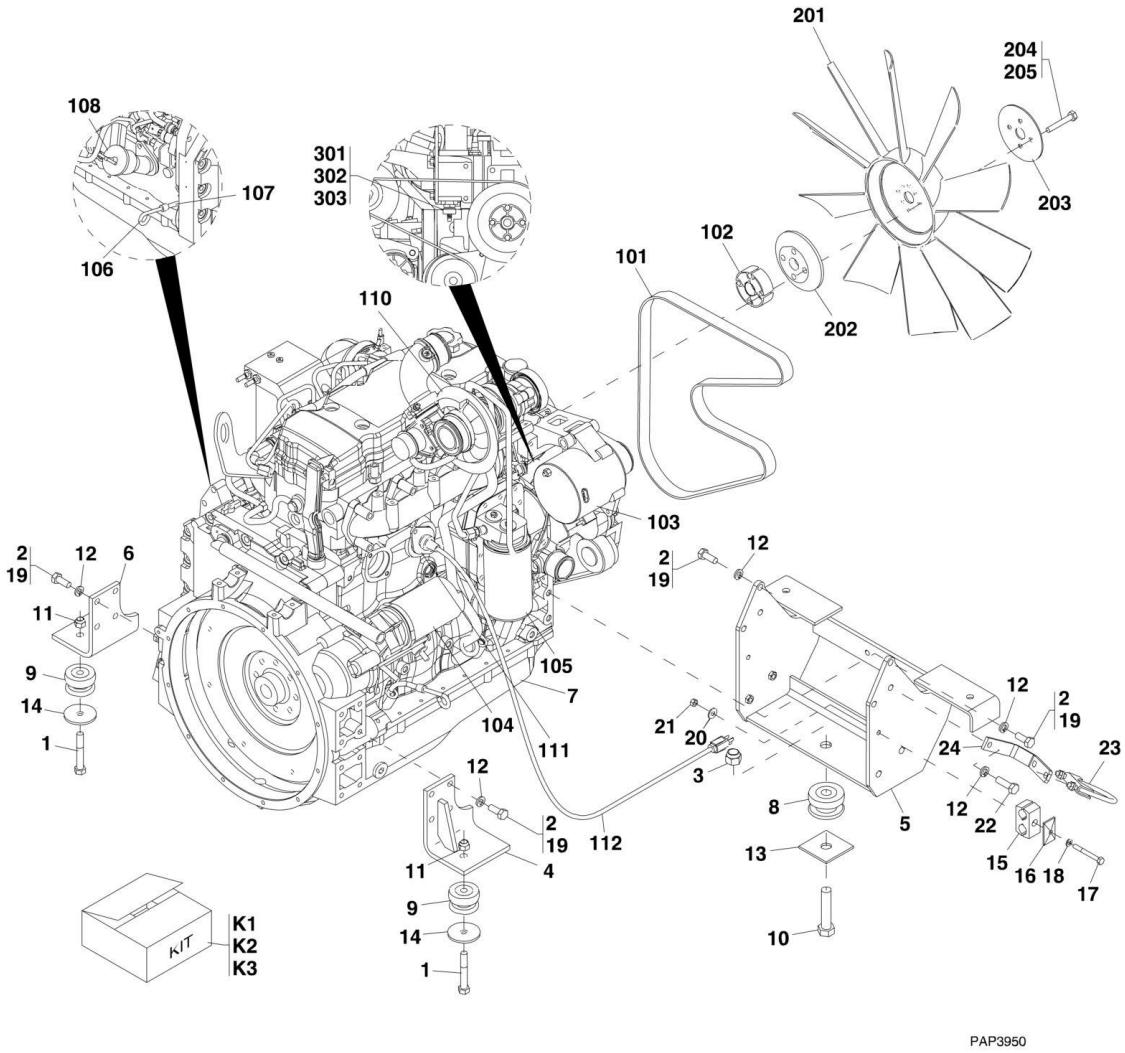


FIGURE 4-4. ENGINE MOUNTING (10042 SN 0160038371 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001106380	1	ENGINE ASSY, (includes items 1 thru 24)	C
1	0641826	2	HEX HD CAPSCREW, 1/2-13X3-1/4, GR5, (torque to 75 lb-ft)	
2	0701214	13	HEX HD CAPSCREW, M12X30, (torque to 97 Nm)	
3	8310067	1	HEX LOCKNUT, 3/4-10	
4	0903642	1	ENGINE MOUNT WELDMENT, LH	
5	1001106376	1	REAR ENGINE MOUNT	
6	0903677	1	ENGINE MOUNT WELDMENT, RH	
7	2000397	1	CUMMINS ENGINE, QSB 4.5, (includes items 101 thru 123)	D
8	8278007	1	RUBBER MOUNT	
9	8278012	2	CENTER BONDED MOUNT	
10	0642228	1	HEX HED CAPSCREW, 3/4-10X3-1/2, GR5, (torque to 260 lb-ft)	
11	8305644	2	HEX LOCKNUT, 1/2-13	
12	8307025	14	LOCKWASHER, M12	
13	7054351	1	REBOUND WASHER	
14	7095831	2	REBOUND WASHER	
15	8750027	1	CLAMP SET	
16	8769128	1	TWIN COVER PLATE	
17	0641522	1	HEX HD CAPSCREW, 5/16-18X2-3/4, GR5	
18	4761500	1	LOCKWASHER, 5/16	
19	0100011	AR	LOCTITE 242	
20	4751500	1	WASHER, 5/16	
21	3311505	1	HEX LOCKNUT, 5/16-18	
22	0701216	1	HEX HEAD CAP SCREW GR8.8	
23	8275247	2	MUFFLER CLAMP, 3 INCH	
24	1001120928	1	MUFFLER BRACKET	
101	70020357	1	FAN BELT	
102	70020347	1	FAN SPACER	
103	7029525	1	ALTERNATOR	
104	70020352	1	STARTER	
105	70020358	1	ENGINE OIL FILTER ELEMENT	
106	70020350	1	DIPSTICK	
107	70020351	1	DIPSTICK TUBE	
108	83673130	1	OIL FILL CAP	
109	70020356	1	THERMOSTAT KIT, (includes thermostat and thermostat seal), (not shown)	
110	70023194	1	TURBOCHARGER KIT, (includes turbocharger and mounting gaskets)	
111	70023443	1	BLOCK HEATER, (includes o-ring)	
112	70023444	1	CABLE, BLOCK HEATER	
113	1322073	1	FAN PULLEY, (not shown)	
114	70021794	1	FUEL INJECTION PUMP, (not shown)	
115	70021809	1	BELT TENSIONER, (not shown)	
116	70022634	1	FLYWHEEL KIT, (includes flywheel and flywheel ring gear), (not shown)	
117	70023736	1	FLYWHEEL RING GEAR, (not shown)	
118	80974028	1	ALTERNATOR PULLEY, (not shown)	
119	70023284	1	ALTERNATOR SUPPORT, (not shown)	
120	70023285	1	ALTERNATOR BRACE, (not shown)	
121	70023286	1	MOUNTING SPACER, (not shown)	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
122	70026403	1	GASKET, OIL DRAIN, (not shown)	
123	70026402	1	GASKET, TURBO OIL DRAIN, (not shown)	
	1001105897	1	FAN ASSY, (includes items 201 thru 205)	B
201	1001105996	1	24 IN FAN	
202	1001105991	1	FAN SPACER PLATE	
203	3575947	1	FAN HUB PLATE	
204	0701021	4	HEX HD CAPSCREW, 10X65mm, GR 8.8	
205	0100011	AR	LOCTITE 242	
	1001094010	1	SENSORS INSTALLATION, (includes items 301 thru 303)	B
301	8223244	1	WATER TEMPERATURE SWITCH	
302	8220073	1	TAB TERMINAL	
303	2221154	1	REDUCER (10042,10054,8042) **(8042 SN 0160033553 through 0160045249; 10042 SN 0160033550 through 0160045249; 10054 SN 0160033552 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
K1	1001101080	1	SENSOR KIT, (includes item 303 and plug) (10042,10054,8042) **(8042 SN 0160029593 through 0160033552; 10042 SN 0160029607 through 0160033549; 10054 SN 0160029594 through 0160033551)**	
K2	1001111849	1	250 HOUR FILTER KIT, (includes 5 filters: engine oil, primary fuel, in-line fuel, primary air filter and safety air filter)	
K3	1001111850	1	1000 HOUR FILTER KIT, (includes 8 filters: transmission oil, hydraulic oil, primary air filter, safety air filter, engine oil, in-line fuel, primary fuel and filler breather)	

FIGURE 4-5. ENGINE MOUNTING (SN 0160040220 through 0160045249, Including 0160039850, 0160040126, 0160040127, 0160040128, 0160040129, 0160040171 and 0160045255)

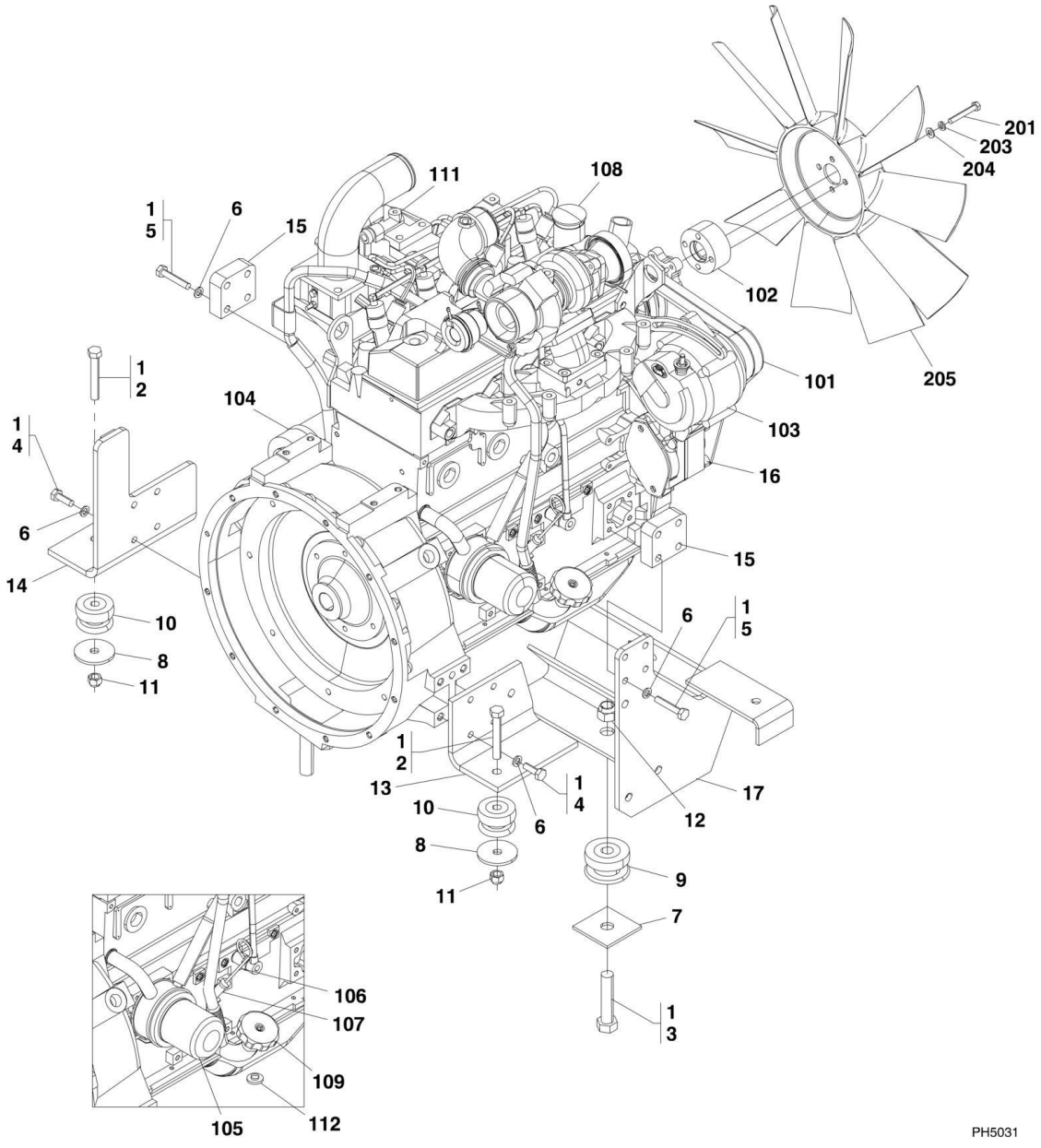


FIGURE 4-5. ENGINE MOUNTING (SN 0160040220 through 0160045249, Including 0160039850, 0160040126, 0160040127, 0160040128, 0160040129, 0160040171 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001111559	Ref	ENGINE ASSY, (not available to order, see items 1 thru 17 for service)	C
1	0100011	AR	LOCTITE 242	
2	0681826	2	HEX HD CAPSCREW, 1/2-13X3-1/4, GR8, (torque to 95 lb-ft)	
3	0682228	1	HEX HD CAPSCREW, 3/4-10X3-1/2, GR8, (torque to 340 lb-ft)	
4	0711014	8	HEX HD CAPSCREW, 10X30mm, GR10.9, (torque to 62-68 Nm)	
5	0711019	8	HEX HD CAPSCREW, 10X55mm, GR10.9, (torque to 62-68 Nm)	
6	4832000	16	SPRING LOCKWASHER, 10mm	
7	7054351	1	REBOUND WASHER	
8	7095831	2	REBOUND WASHER	
9	8278007	1	RUBBER MOUNT	
10	8278012	2	CENTER BONDED MOUNT	
11	8305644	2	HEX LOCKNUT, 1/2-13	
12	8310067	1	HEX LOCKNUT, 3/4-10	
13	1001096459	1	ENGINE MOUNT PLATE, LH	
14	1001096462	1	ENGINE MOUNT WELD, RH	
15	1001097566	2	ENGINE MOUNT SPACER	
16	1001103291	1	CUMMINS ENGINE, QSB3.3, 110HP TIER III, (includes items 101 thru 119) **(SN 0160002332 through 0160045227)**	B
16	1001137289	1	CUMMINS ENGINE, QSB3.3, 110HP TIER III, (includes items 101 thru 119) **(SN 0160045227 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	A
17	1001096479	1	REAR ENGINE BRACKET	
101	70021852	1	FAN BELT	
102	70023564	1	FAN SPACER	
103	70021849	1	ALTERNATOR	
104	70021850	1	STARTER	
105	8036204	1	ENGINE OIL FILTER ELEMENT	
106	70021854	1	DIPSTICK	
107	70023565	1	DIPSTICK TUBE	
108	70022842	1	OIL FILL CAP, UPPER	
109	70022843	1	OIL FILL CAP, LOWER	
110	70021847	1	THERMOSTAT KIT, (includes gasket), (not shown)	
111	70022846	1	SECONDARY FUEL FILTER	
112	70022844	1	OIL PAN PLUG	
112	70022845	1	GASKET	
113	70023808	1	BLOCK HEATER WITH CORD, (not shown)	
114		Ref	PRIMARY FUEL FILTER ASSY, (not shown), (See FUEL SYSTEM for Breakdown)	
115	70024901	1	FUEL PUMP, (not shown)	
116	70026815	1	FLYWHEEL, (not shown)	
117	70027061	1	RING GEAR, (not shown)	
118	70026829	1	ACTUATOR, FUEL PUMP, (not shown)	
119	7029947	1	OIL PRESSURE SWITCH WITH O-RING, (not shown)	
120	70027874	8	SEAL, VALVE STEM, (not shown)	
121	70027875	1	O-RING, OIL SUCTION TUBE, (not shown)	
122	70021847	1	THERMOSTAT KIT, (includes o-ring), (not shown)	
123	70023888	1	GASKET, EXHAUST, (not shown)	
124	70023887	1	GASKET, HEAD, (not shown)	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
125	70024395	1	WATER PUMP KIT, (includes o-ring), (not shown)	
126	70027876	4	PISTON RING KIT, (not shown)	
127	70023791	2	HEATER GASKET, (not shown)	
128	70027877	4	BEARING KIT, (not shown)	
129	70027878	2	GASKET, TURBO, (not shown)	
130	70026829	1	ACTIVATOR FUEL PUMP, (not shown)	
	1001096429	Ref	ENGINE FAN ASSY, (not available to order, see items 201 thru 205 for service)	B
201	0700812	4	HEX HD CAPSCREWS, 8X25mm, GR8.8	
203	4811900	4	WASHER, 8mm	
204	4831900	4	SPRING LOCKWASHER, 8mm	
205	1001098559	1	FAN	

FIGURE 4-6. FUEL SYSTEM (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

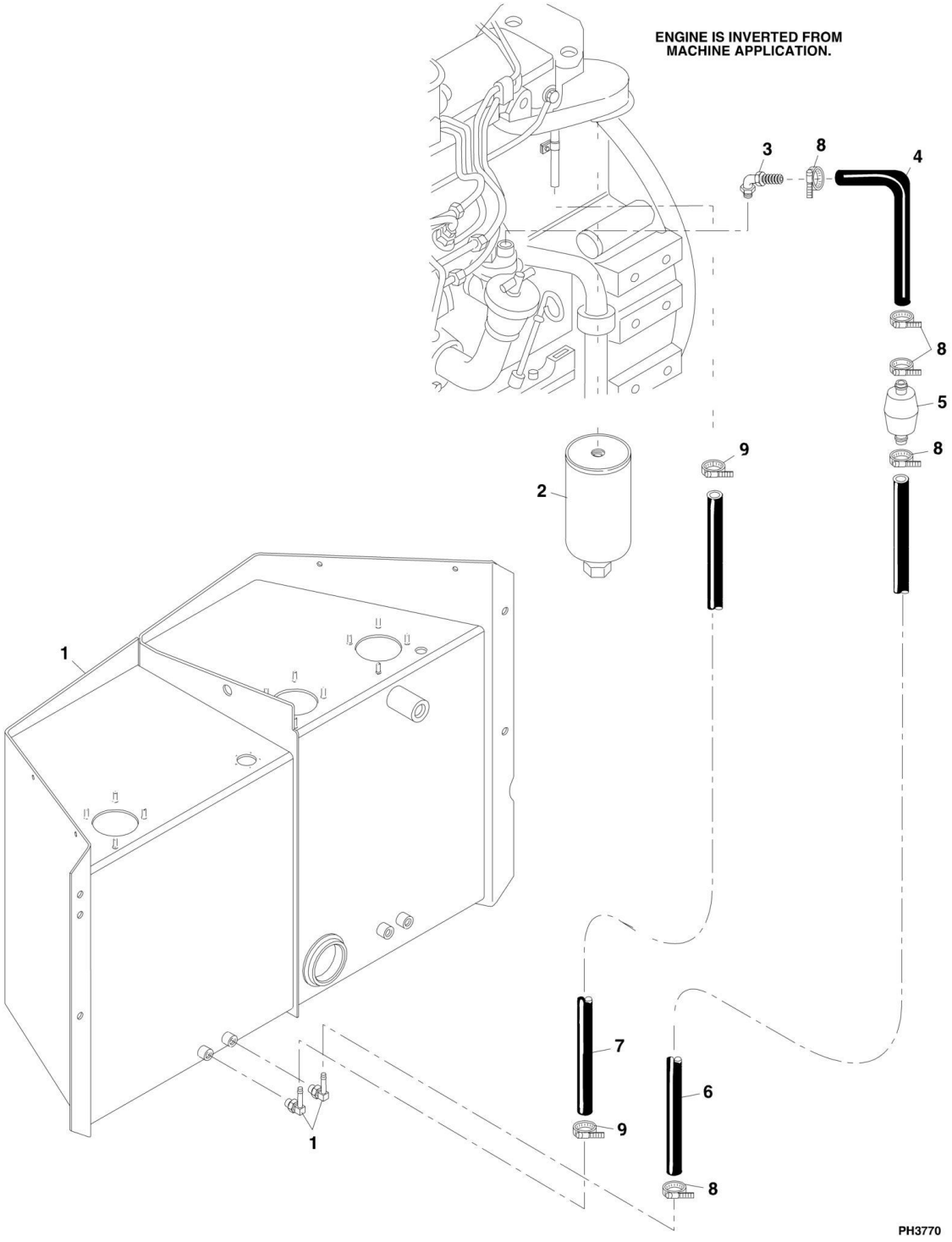


FIGURE 4-6. FUEL SYSTEM (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	FUEL AND HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	8320270	1	FUEL FILTER ELEMENT	
3	8420229	1	HOSE BARB ELBOW, 90	
4	7127881	1	FUEL SUPPLY HOSE ASSY	
5	8274022	1	FUEL STRAINER	
6	7127871	1	FUEL SUPPLY HOSE ASSY	
7	7127081	1	FUEL RETURN HOSE ASSY	
8	8410013	5	GEAR CLAMP, 0.78 MAX DIA	
9	8405009	2	GEAR CLAMP, 0.62 MAX DIA	

FIGURE 4-7. FUEL SYSTEM (8042 SN 18991 through 19987; 10042 SN 19031 through 19987; 10054 SN 19080 through 19987; SN 0160002332 through 0160029592, SN 0160002332 through 0160029606, SN 0160002332 through 0160029593)

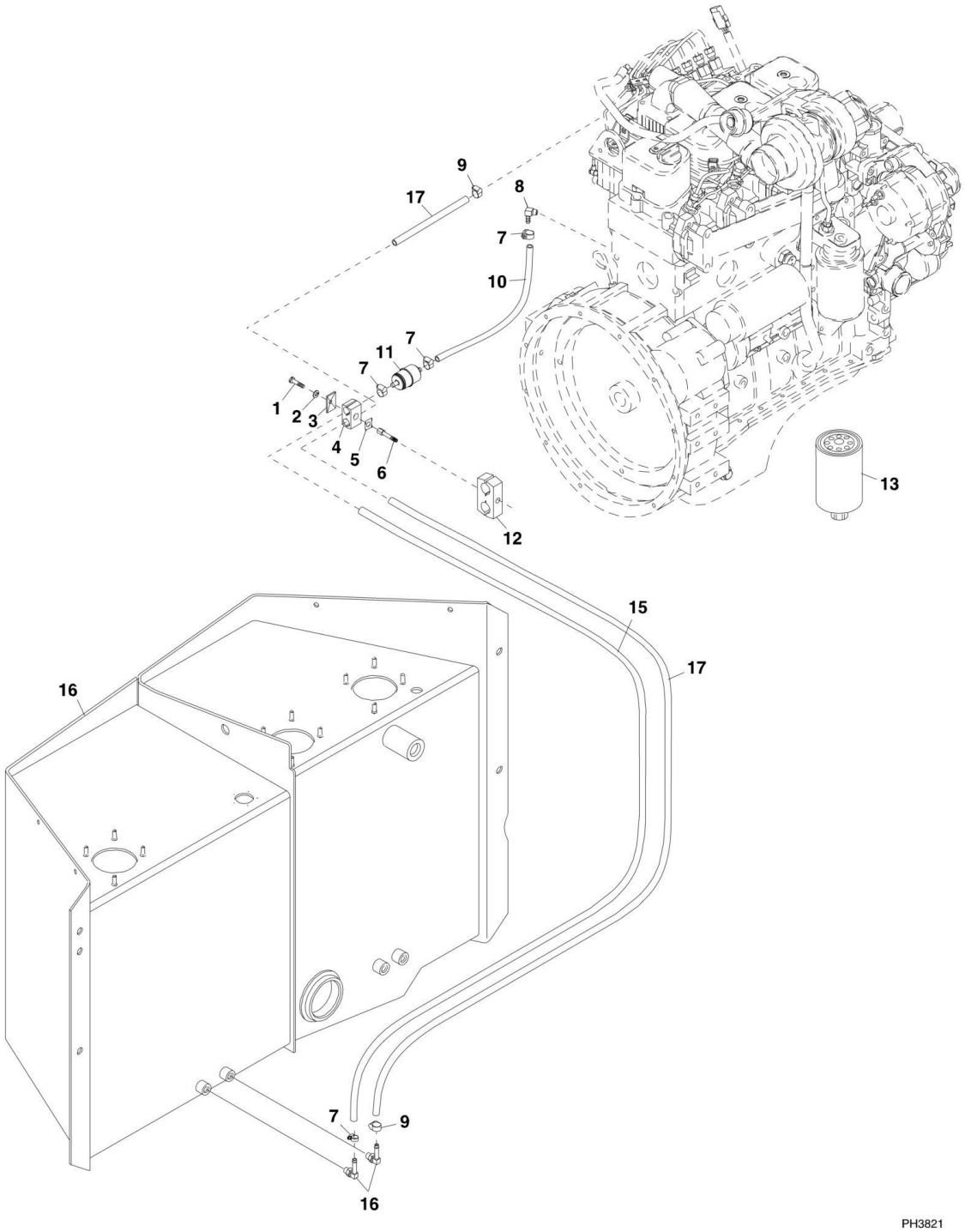


FIGURE 4-7. FUEL SYSTEM (8042 SN 18991 through 19987; 10042 SN 19031 through 19987; 10054 SN 19080 through 19987; SN 0160002332 through 0160029592, SN 0160002332 through 0160029606, SN 0160002332 through 0160029593)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8303715	1	HEX HD CAPSCREW, 5/16-18X1-1/2, GR5	
2	8307004	1	LOCKWASHER, 5/16	
3	8769123	1	TWIN COVER PLATE	
4	8750015	1	CLAMP SET, 0.67 DIA	
5	8750017	1	TWIN CLAMP LOCKING PLATE	
6	8750026	1	BOLT STACKING	
7	8410013	4	HOSE CLAMP, 0.78 DIA	
8	8420229	1	ELBOW, 90	
9	8405009	2	HOSE CLAMP, 0.62 DIA	
10	7300377	1	FUEL SUPPLY HOSE ASSY	
11	8274022	1	FUEL STRAINER	
12	8750024	1	TWIN CLAMP SET, 1.18 DIA	
13	8320278	1	FUEL FILTER	
15	7127871	1	FUEL SUPPLY HOSE ASSY **(SN 13198 through 19887)**	
15	2720551	1	FUEL SUPPLY HOSE ASSY (10042,10054,8042) **(8042 SN 0160002332 through 0160029592; 10042 SN 0160002332 through 0160029606; 10054 SN 0160002332 through 0160029593)**	
16		Ref	FUEL AND HYDRAULIC TANK (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
17	7127081	1	FUEL RETURN HOSE ASSY **(SN 13198 through 19887)**	
17	7302085	1	FUEL RETURN HOSE ASSY (10042,10054,8042) **(8042 SN 0160002332 through 0160029592; 10042 SN 0160002332 through 0160029606; 10054 SN 0160002332 through 0160029593)**	

FIGURE 4-8. FUEL SYSTEM (10042 SN 0160029607 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

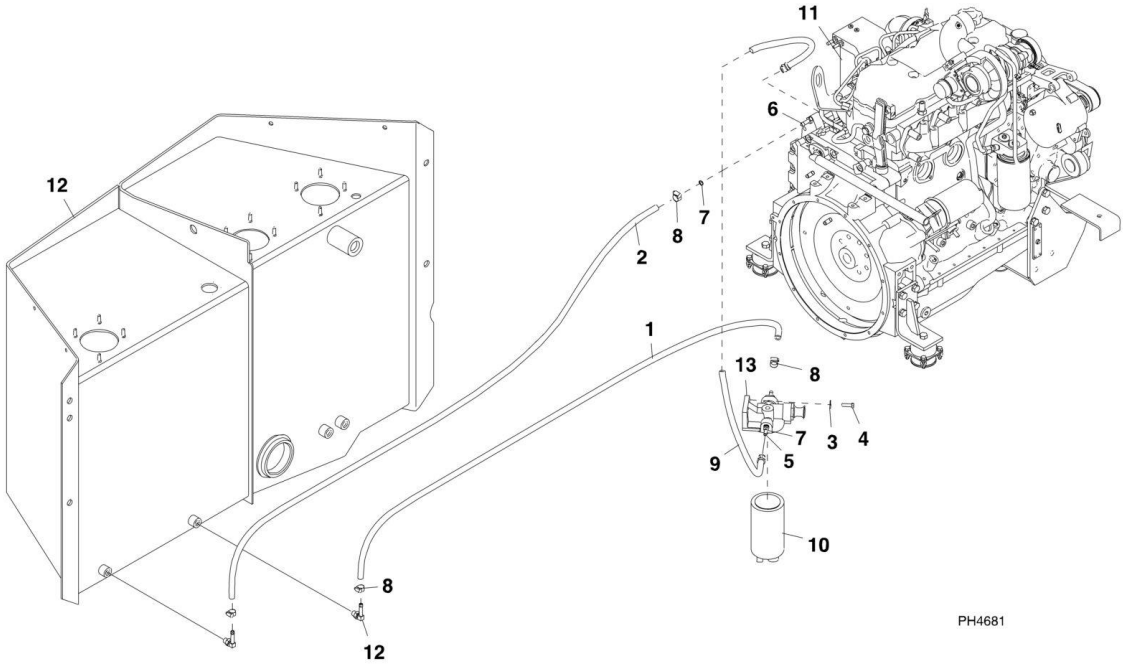


FIGURE 4-8. FUEL SYSTEM (10042 SN 0160029607 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275861	1	FUEL PUMP INSTALLATION, (includes items 1 thru 8)	C
1	2720643	1	FUEL SUPPLY HOSE ASSY	
2	7302085	1	FUEL RETURN HOSE ASSY	
3	8310200	2	WASHER, 3/8	
4	10700205	2	HEX HD CAPSCREW, 3/8-16X1-1/4	
5	1001093891	1	COUPLING	
6	1001093892	1	COUPLING	
7	1001093944	3	SEALING WASHER	
8	8410013	4	CLAMP, (torque to 16-20 lb-ft)	
9	70020353	1	FLEXIBLE FUEL HOSE	
10	70020349	1	PRIMARY FUEL FILTER	
11	70020348	1	SECONDARY FUEL FILTER	
12		Ref	FUEL AND HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
13	70021410	1	PRIMARY FUEL FILTER HEAD	

FIGURE 4-9. FUEL SYSTEM (SN 0160040220 through 0160045249, SN 0160040126 through 0160040129, Including 0160039850, 0160040171 and 0160045255)

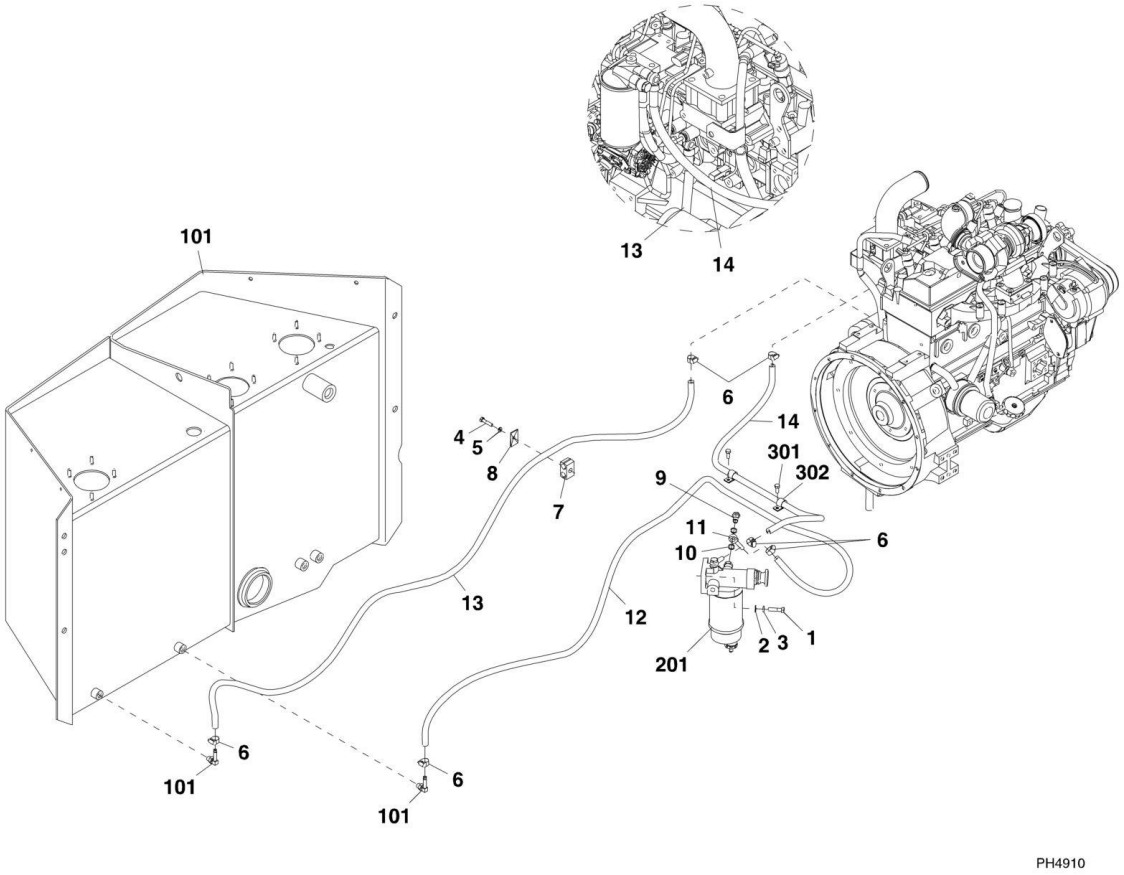


FIGURE 4-9. FUEL SYSTEM (SN 0160040220 through 0160045249, SN 0160040126 through 0160040129, Including 0160039850, 0160040171 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001112749	Ref	FUEL PLUMBING INSTALLATION, (not available to order, see items 1 thru 14 for service)	A
1	0641612	2	HEX HD CAPSCREW, 3/8-16X1-1/2, GR5	
2	4711600	2	WASHER, 3/8	
3	4761600	2	LOCKWASHER, 3/8	
4	8303715	1	HEX HD CAPSCREW, 5/16-18X1-1/2, GR5	
5	8307004	1	LOCKWASHER, 5/16	
6	8410013	6	GEAR CLAMP	
7	8750015	1	CLAMP SET	
8	8769123	1	TWIN COVER PLATE	
9	1001102931	1	BANJO BOLT, 14mm	
10	1001102933	2	COPPER RING SEAL	
11	1001113511	1	BANJO BOLT ADAPTER, 14mmX3/8	
12	1001097568	1	FUEL HOSE	
13	1001097569	1	FUEL HOSE	
14	1001100217	1	FUEL HOSE	
101		Ref	FUEL AND HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
201	70023950	1	PRIMARY FUEL FILTER ASSY	
201	70023947	1	PRIMARY FUEL FILTER SENSOR	
201	70023948	1	PRIMARY FUEL FILTER BOWL	
201	70021851	1	PRIMARY FUEL FILTER ELEMENT	
202	70023949	1	PRIMARY FUEL FILTER JUMPER HARNESS, (not shown)	
301	0760810	2	HEX HD CAPSCREW, 8-1.25X20mm, GR 8.8	
302	91143122	2	SUPPORT CLAMP	

FIGURE 4-10. RADIATOR AND OIL COOLER MOUNTING (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

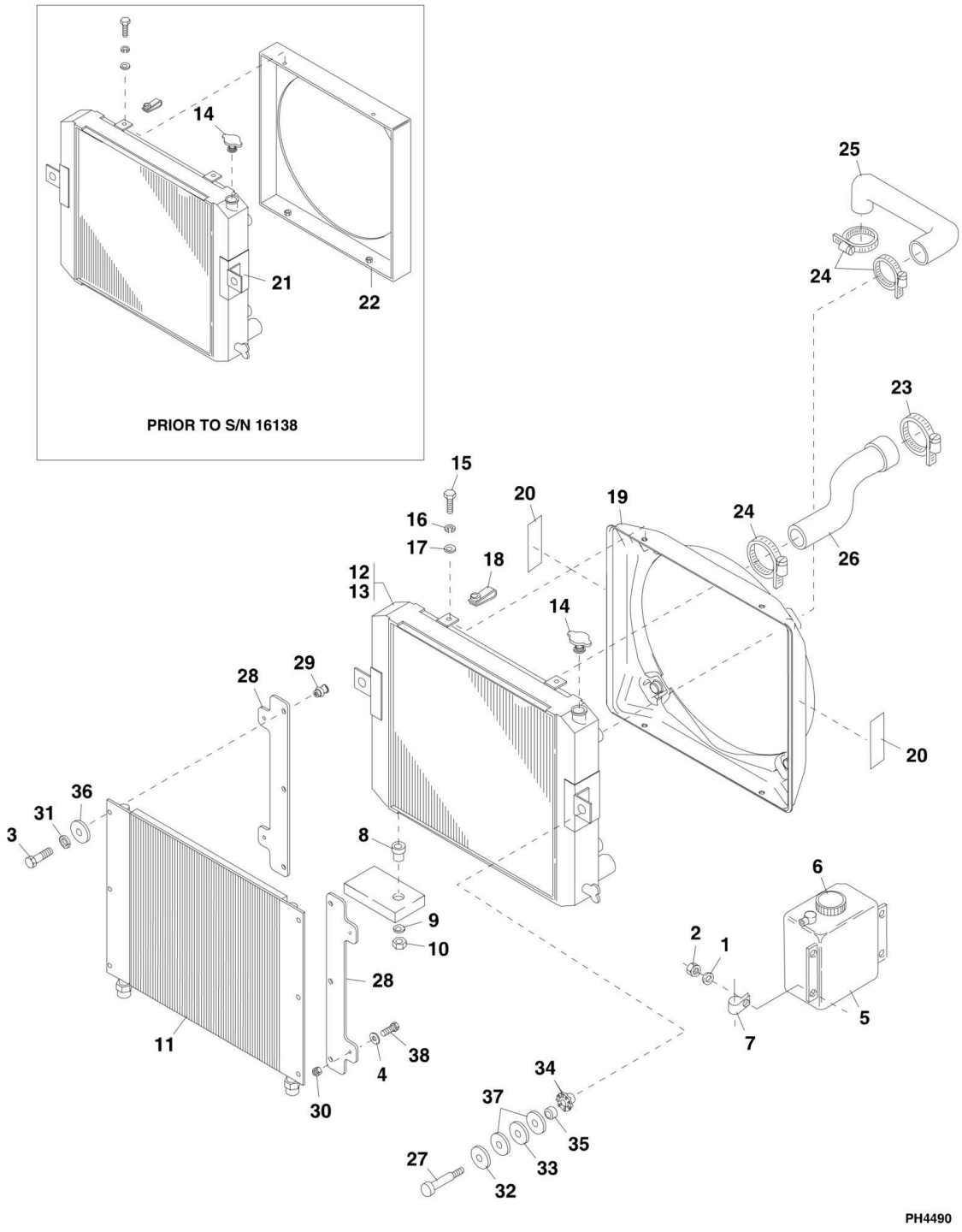


FIGURE 4-10. RADIATOR AND OIL COOLER MOUNTING (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8307109	2	FLAT WASHER, 1/4	
2	8305624	2	HEX LOCKNUT, 1/4-20	
3	8303615	6	HEX HD CAPSCREW, 1/4-20X1.25	
4	8307106	4	PLAIN WASHER, 5/13	
5	7085422	1	RADIATOR OVERFLOW TANK, (includes item 6)	
6	8866341	1	CAP WITH TETHER	
7	8406101	1	HOSE SUPPORT, 5/8	
8	8278008	2	VIBRATION MOUNT	
9	7057141	2	REBOUND WASHER	
10	8305645	2	HEX LOCKNUT, 3/8-16	
11	7129973	1	OIL COOLER	
12	8024030	1	RADIATOR ASSY KIT, (includes items 13 thru 20), (for first time orders, item 20 on Figure4-1 must also be ordered) **(SN 13198 through 16138)**	
13	N.S.S.	1	RADIATOR, (not available to order, see item 12 for service)	
14	8180311	1	RADIATOR CAP	
15	8303697	4	HEX HD CAPSCREW, 5/16-18X3/4	
16	8307004	4	LOCKWASHER, 5/16	
17	8307106	4	PLAIN WASHER, 5/16	
18	8036546	4	SPEED NUT, 5/16-18	
19	8024031	1	RADIATOR SHROUD KIT, (includes item 20)	
20		Ref	DECAL, (See DECALS SECTION for Breakdown)	
21	N.S.S.	1	RADIATOR (not available to order, see item 12 for service) **(SN 13198 through 16138)**	
22	7131253	1	RADIATOR SHROUD **(SN 13198 through 16138)**	
23	8405203	1	HOSE CLAMP, 3	
24	8405104	3	HOSE CLAMP, 2-1/4	
25	7126703	1	UPPER RADIATOR HOSE	
26	7138515	1	LOWER RADIATOR HOSE	
27	8310104	2	HEX SOCKET HD SHOULDER SCREW, 3/8X1-1/2X5/16-18	
28	7138712	2	COOLER MOUNT PLATE	
29	8580420	6	WELL NUT	
30	8310420	4	HEX FLANGE NUT, 5/16-18	
31	8307002	6	LOCKWASHER, 1/4	
32	8278023	2	RADIATOR BUSHING MOUNT	
33	8278024	2	RADIATOR MOUNT	
34	8305626	2	HEX LOCKNUT, 0.312-18	
35	7130131	2	SPACER, 1/2	
36	8307202	6	FLAT WASHER, 1/4	
37	7057141	4	FLAT WASHER	
38	8303670	4	HEX HD CAPSCREW, 5/16-18X1	

FIGURE 4-11. RADIATOR AND OIL COOLER MOUNTING (8042 SN 18991 through 19987; 10042 SN 19031 through 19987; 10054 SN 19080 through 19987; SN 0160002332 through 0160010788, SN 0160002332 through 0160010788, SN 0160002332 through 0160010788)

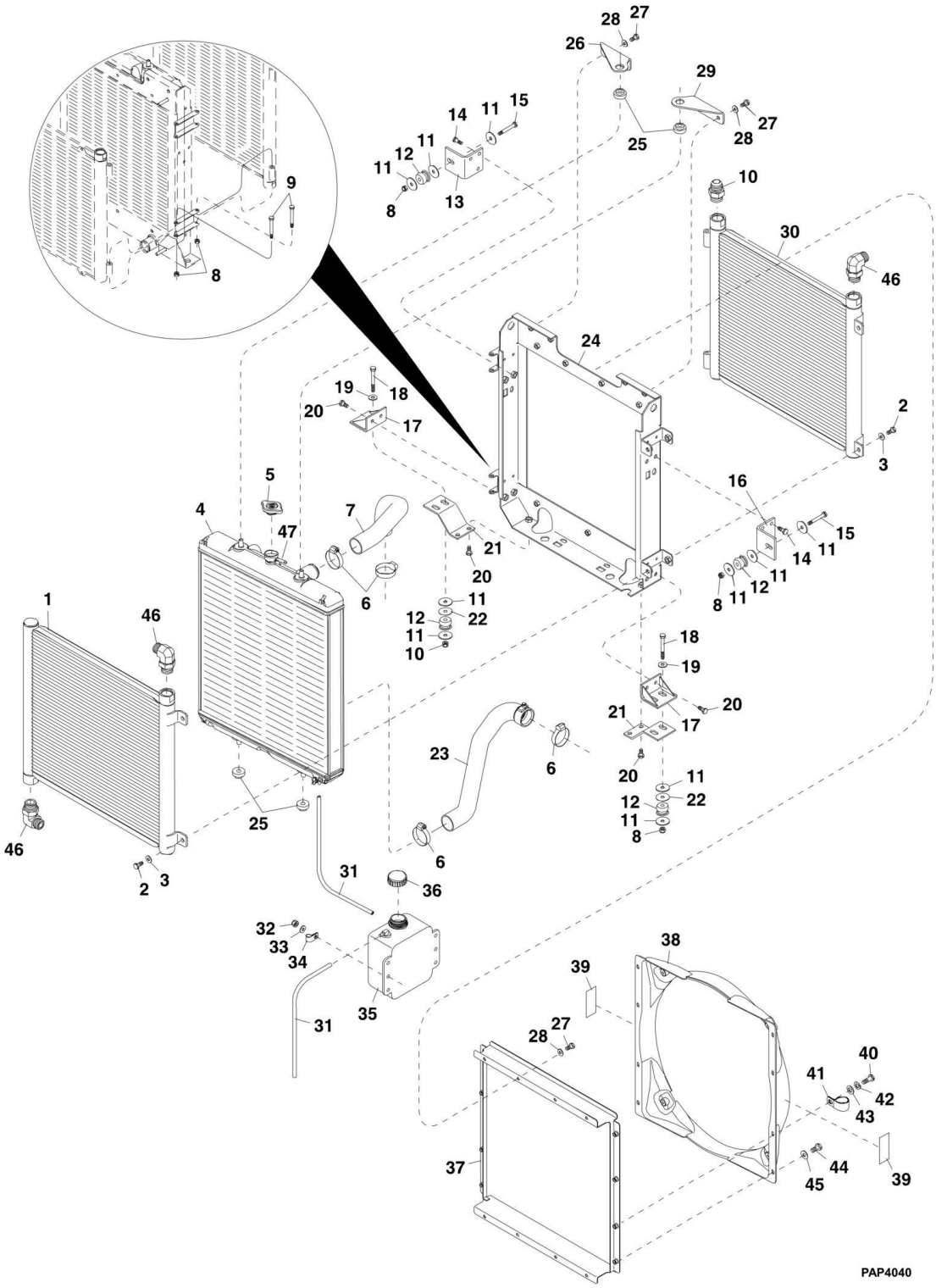


FIGURE 4-11. RADIATOR AND OIL COOLER MOUNTING (8042 SN 18991 through 19987; 10042 SN 19031 through 19987; 10054 SN 19080 through 19987; SN 0160002332 through 0160010788, SN 0160002332 through 0160010788, SN 0160002332 through 0160010788)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3620059	Ref	RADIATOR ASSY, (includes items 1 thru 5, qty 4 of item 8, 9, 10, 24 thru 31, 37, 38, 46 & 47)	
1	8180216	1	TRANSMISSION OIL COOLER	
2	8303798	8	HEX HD CAPSCREW, M10-1.5X25mm, PC8.8	
3	8307221	8	PLAIN WASHER, M10	
4	8036816	1	RADIATOR	
5	8180311	1	RADIATOR PRESSURE CAP, 13 PSI	
6	8405104	4	HOSE CLAMP, #28	
7	7301833	1	UPPER RADIATOR HOSE	
8	8305645	8	HEX NUT, 3/8-16	
9	8303107	4	HEX HD CAPSCREW, 3/8-16X3-1/4	
10	8770078	1	STRAIGHT CONNECTOR	
11	7057141	AR	FLAT REBOUND WASHER	
12	8278020	4	RUBBER ISOLATOR MOUNT	
13	7301649	1	UPPER LEFT RADIATOR SUPPORT BRACKET	
14	8303798	6	HEX HD CAPSCREW, M10-1.5X25mm, PC8.8	
15	8303106	2	HEX HD CAPSCREW, 3/6-16X2-1/5, GR5	
16	7301648	1	UPPER RIGHT RADIATOR SUPPORT BRACKET	
17	7301653	2	LOWER RADIATOR SUPPORT BRACKET	
18	8303704	2	HEX HD CAPSCREW, 3/8-16X3, GR5	
19	8310200	2	PLAIN WASHER, 3/8	
20	8303784	6	HEX HD CAPSCREW, M10-1.5X20mm, PC8.8	
21	7301651	2	LOWER RADIATOR MOUNT BRACKET	
22	8310246	AR	FENDER WASHER, 0.375X.048X1.5	
23	2720555	1	LOWER RADIATOR HOSE	
24	8036812	1	FRAME	
25	8180324	4	RUBBER CUSHION	
26	8180326	1	LEFT FRAME BRACKET	
27	8303606	12	HEX HD CAPSCREW, M8-1.25X22mm, PC8.8	
28	8307222	12	PLAIN WASHER, M8	
29	8180325	1	RIGHT FRAME BRACKET	
30	8180215	1	HYDRAULIC OIL COOLER	
31	8180335	1	OVERFLOW TANK HOSE, 75mm LG	
32	8305624	2	HEX LOCKNUT, 1/4-20	
33	8307109	2	PLAIN WASHER, 1/4	
34	8406101	1	TUBE CLIP, 5/8	
35	7085422	1	OVERFLOW TANK, (includes item 36)	
36	8866341	1	OVERFLOW TANK CAP	
37		Ref	SHROUD SPACER, (no longer available, use kit 2915054 on RADIATOR AND OIL COOLER MOUNTING with SN ranges 8042:160010789 thru 0160029592, 10042:0160010789 thru 0160029606 & 10054:0160010789 thru 01600295593 for replacement) (10042,10054,8042)	
38		Ref	RADIATOR SHROUD, (no longer available, use kit 2915054 on RADIATOR AND OIL COOLER MOUNTING with SN ranges 8042:0160010789 thru 0160029592, 10042:0160010789 thru 0160029606 & 10054:0160010789 thru 01600295593 for replacement), (includes item 39) (10042,10054,8042)	
39		Ref	MOVING PARTS WARNING DECAL, (See DECALS SECTION for Breakdown)	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	8303670	1	HEX HD CAPSCREW, 5/16-18X1, GR5	
41	8406302	1	HOSE CLAMP, 1-1/4 DIA	
42	8307004	1	LOCKWASHER, 5/16	
43	8307106	1	PLAIN WASHER, 5/16	
44	8303656	7	HEX HD CAPSCREW, 5/16-18X7/8	
45	8307106	7	PLAIN WASHER, 0.312X0.344X0.688X0.065	
46	2131216	3	ELBOW, 90	
47	70023968	1	DRAIN HOSE	

FIGURE 4-12. RADIATOR AND OIL COOLER MOUNTING (8042 SN 0160010789 through 0160029592; 10042 SN 0160010789 through 0160029606; 10054 SN 0160010789 through 0160029592)

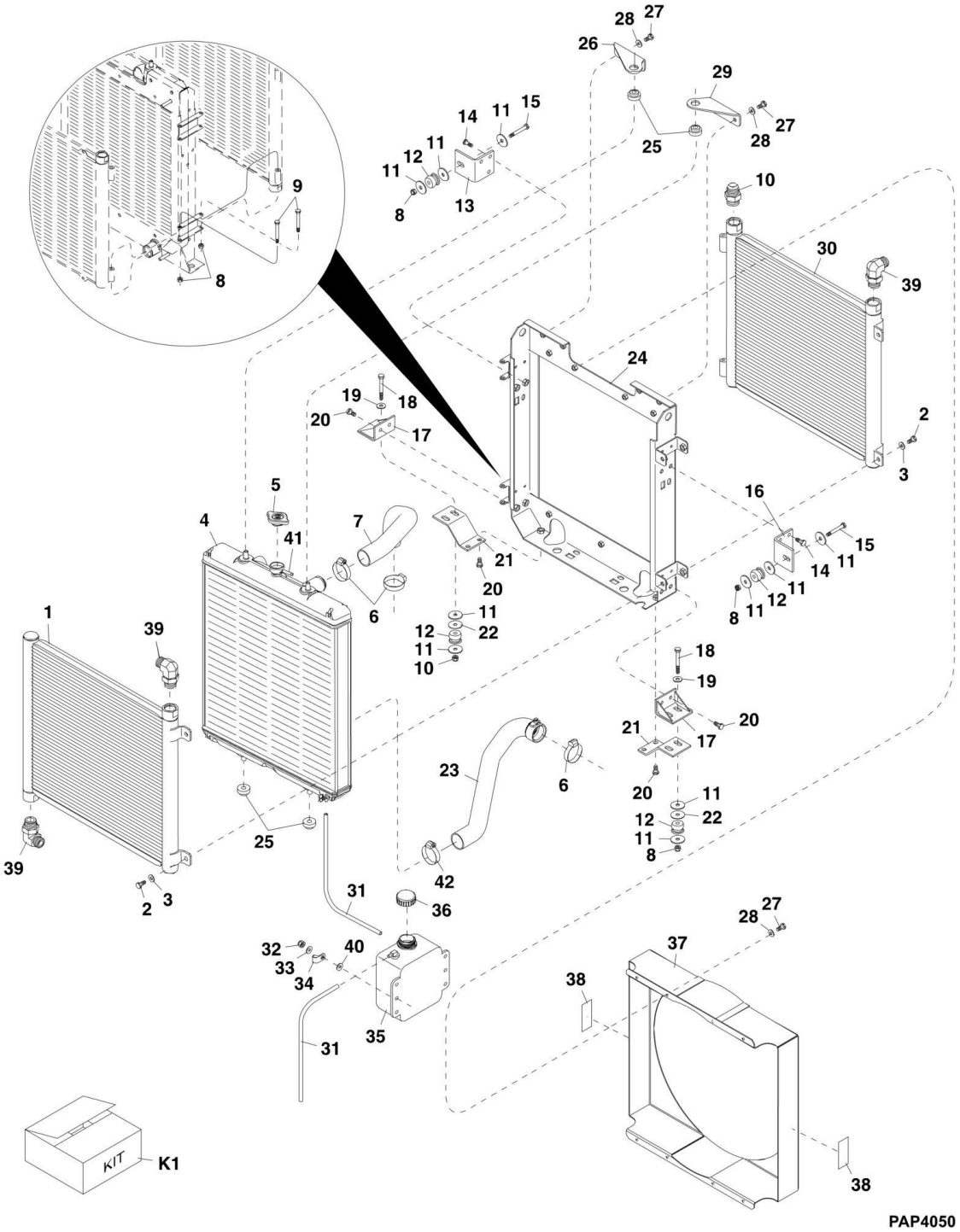


FIGURE 4-12. RADIATOR AND OIL COOLER MOUNTING (8042 SN 0160010789 through 0160029592; 10042 SN 0160010789 through 0160029606; 10054 SN 0160010789 through 0160029592)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3620059	Ref	RADIATOR ASSY, (includes items 1 thru 5, qty 4 of item 8, 9, 10, 24 thru 31, 37, 39 & 40)	D
1	8180216	1	TRANSMISSION OIL COOLER ASSY	
2	8303798	4	HEX HD CAPSCREW, M10-1.5X25mm, PC8.8, (torque to 25-45 lb-ft)	
3	8307221	4	PLAIN WASHER, M10	
4	8036816	1	RADIATOR ASSY	
5	8180311	1	RADIATOR PRESSURE CAP, 13 PSI	
6	8405104	3	HOSE CLAMP, #28	
7	7301833	1	UPPER RADIATOR HOSE	
8	8305645	8	HEX NUT, 3/8-16	
9	8303107	4	HEX HD CAPSCREW, 3/8-16X3-1/4, (torque to 13-23 lb-ft)	
10	8770078	1	STRAIGHT CONNECTOR	
11	7057141	AR	FLAT REBOUND WASHER	
12	8278020	4	RUBBER ISOLATOR MOUNT	
13	7301649	1	UPPER LEFT RADIATOR SUPPORT BRACKET	
14	8303798	6	HEX HD CAPSCREW, M10-1.5X25mm, PC8.8	
15	8303106	2	HEX HD CAPSCREW, 3/6-16X2-1/5, GR5	
16	7301648	1	UPPER RIGHT RADIATOR SUPPORT BRACKET	
17	7301653	2	LOWER RADIATOR SUPPORT BRACKET	
18	8303704	2	HEX HD CAPSCREW, 3/8-16X3, GR5	
19	8310200	2	PLAIN WASHER, 3/8	
20	8303784	6	HEX HD CAPSCREW, M10-1.5X20mm, PC8.8	
21	7301651	2	LOWER RADIATOR MOUNT BRACKET	
22	8310246	AR	FENDER WASHER, 0.375X.048X1.5	
23	2720555	1	LOWER RADIATOR HOSE	
24	8036812	1	FRAME ASSY	
25	8180324	4	RUBBER CUSHION	
26	8180326	1	LEFT FRAME BRACKET	
27	8303606	12	HEX HD CAPSCREW, M8-1.25X22mm, PC8.8	
28	8307222	12	PLAIN WASHER, M8	
29	8180325	1	RIGHT FRAME BRACKET	
30	8180215	1	HYDRAULIC OIL COOLER ASSY	
31	8180335	1	OVERFLOW TANK HOSE, 75mm LG	
32	8305004	2	HEX NUT, 1/4-20	
33	8307024	2	LOCK WASHER, M6	
34	8406101	1	TUBE CLIP, 5/8	
35	7085422	1	OVERFLOW TANK, (includes item 36)	
36	8866341	1	OVERFLOW TANK CAP	
37	7029005	1	RADIATOR SHROUD	
38		Ref	MOVING PARTS WARNING DECAL, (See DECALS SECTION for Breakdown)	
39	2131216	3	ELBOW, 90	
40	4711400	2	WASHER, 1/4	
41	70023968	1	DRAIN HOSE	
42	8405202	1	GEAR CLAMP, 2.75 MAX DIA	
K1	2915054	1	FAN SHROUD KIT, (includes items 6, 23, 27, 28 & 37)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-13. RADIATOR AND OIL COOLER MOUNTING (10042 SN 0160029607 through 0160038370)

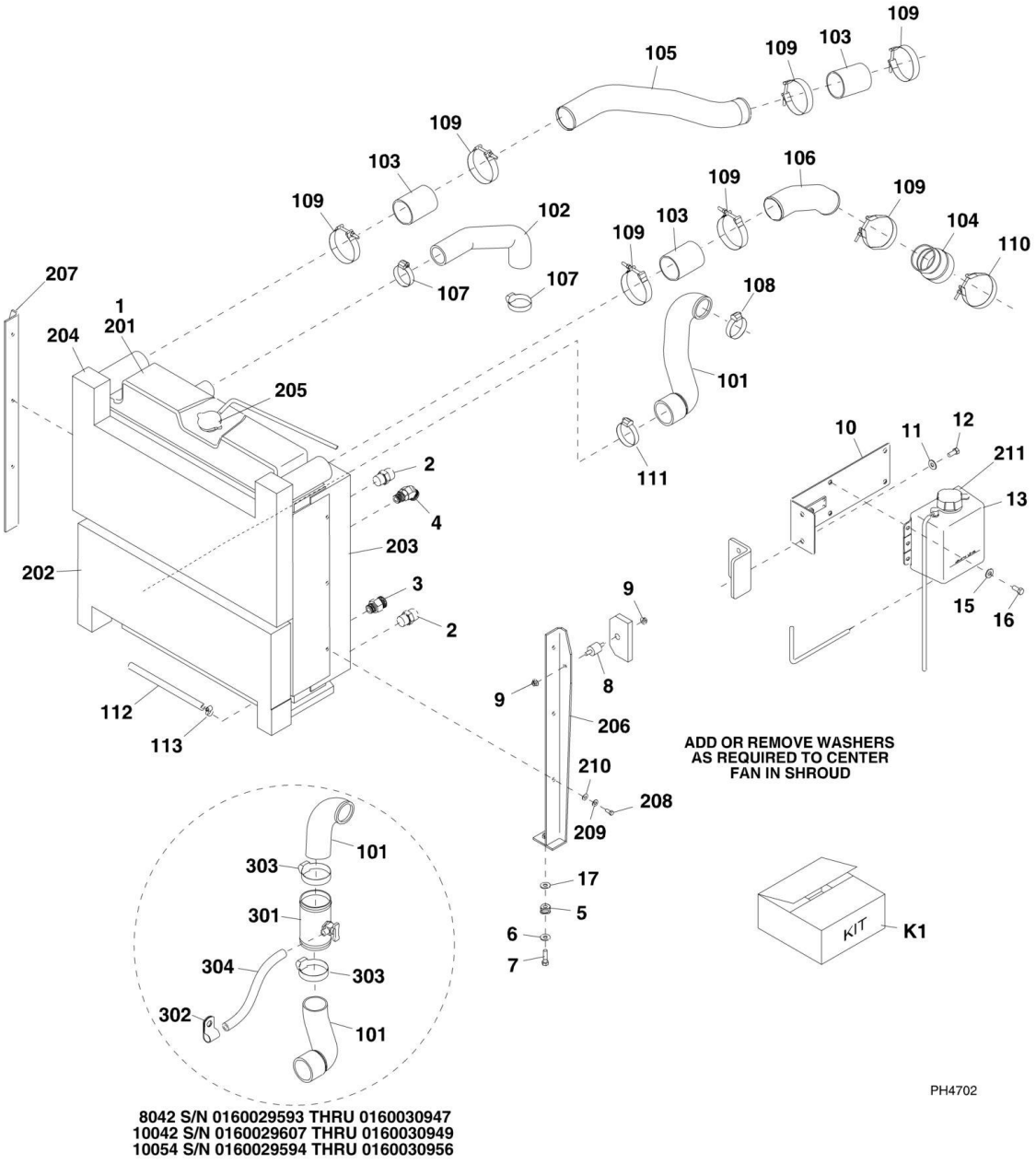


FIGURE 4-13. RADIATOR AND OIL COOLER MOUNTING (10042 SN 0160029607 through 0160038370)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275819	1	COOLING INSTALLATION, (includes items 1 thru 17)	F
1	3620081	1	RADIATOR ASSY, (includes items 201 thru 210)	E
2	2111212	2	STRAIGHT ADAPTOR, 12-12	
3	2111210	1	STRAIGHT ADAPTOR, 12-10	
4	2151210	1	45, ADAPTOR, 12-10	
5	83683308	2	MOUNTING PAD	
6	7057141	2	FLAT WASHER, REBOUND	
7	0641611	2	HEX HD CAPSCREW, 3/8-16X1-3/8	
8	91033137	2	SHOCK MOUNT	
9	77143006	4	LOCKNUT, 5/16-18	
10	1001091992	1	MOUNTING PLATE	
11	88561004	2	FLAT WASHER, 3/8	
12	0641607	2	HEX HD CAPSCREW, 3/8-16X7/8	
13	1001001413	1	OVERFLOW TANK, (includes item 211)	
15	4711400	2	NARROW WASHER, 1/4	
16	0641406	2	HEX HD CAPSCREW, 1/4-20X3/4	
17	8310246	AR	FENDER WASHER, 3/8	
	0275810	1	COOLANT PLUMBING INSTALLATION, (includes items 101 thru 112, 301 & 302) (10042,10054,8042) **(8042 SN 0160029593 through 0160030947; 10042 SN 0160029607 through 0160030949; 10054 SN 0160029594 through 0160030956)**	E
	1001096328	1	COOLANT PLUMBING INSTALLATION, (includes items 101 thru 113) (10042,10054,8042) **(8042 SN 0160030948 through 0160038983; 10054 SN 0160030957 through 0160038983; 10042 Including 0160030950; Including 0160038370)**	D
101	2720634	1	LOWER RADIATOR HOSE	
102	2720635	1	UPPER RADIATOR HOSE	
103	1001114495	3	HUMP HOSE	
104	2720645	1	REDUCER HOSE	
105	3460591	1	TURBO TO CHARGE AIR COOLER HOSE	
106	3460592	1	CHARGE AIR COOLER TO INTAKE HOSE, (torque to 60 lb-in)	
107	8405104	2	GEAR CLAMP, 2.25IN MAX DIA	
108	8405201	1	GEAR CLAMP, 2.50IN MAX DIA	
109	1001001853	7	BAND CLAMP	
110	91163129	1	HEAVY DUTY BAND CLAMP	
111	1320016	1	CLAMP, 2.5 DIA	
112	71 32131	1	COOLANT DRAIN HOSE	
113	8405009	1	CLAMP, 0.65 DIA	
201	70020359	1	RADIATOR/TRANSMISSION COOLER	
202	70020360	1	HYDRAULIC OIL COOLER	
203	70020361	1	FAN SHROUD	
204	70020362	1	CHARGE AIR COOLER	
205	70020363	1	RADIATOR CAP	
206	70020364	1	MOUNTING BRACKET, RH	
207	70020365	1	MOUNTING BRACKET, LH	
208	0641506	24	HEX HD CAPSCREW, 5/16-18-3/4	
209	4761500	24	LOCKWASHER, 5/16	
210	4711500	24	FLAT WASHER, 5/16	
211	7026726	1	OVERFLOW TANK CAP	
301	1001096333	1	DRAIN TUBE ASSY	
302	8406105	1	CLIP 3/4	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
303	8405201	2	GEAR CLAMP, 2.50 IN MAX DIA	
304	7132131	1	COOLANT DRAIN HOSE	
K1	1001096452	1	DRAIN TUBE ASSY KIT,(includes items 301 thru 304), (for field installation when radiator has no petcock) (10042,10054,8042) **(8042 SN 0160029593 through 0160030947; 10054 SN 0160029594 through 0160030956; 10042 SN 0160029607 through 0160030949)**	

FIGURE 4-14. RADIATOR AND OIL COOLER MOUNTING (8042 SN 0160038984 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; 10054 SN 0160038984 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; 10042 SN 0160038371 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; Including 0160044461)

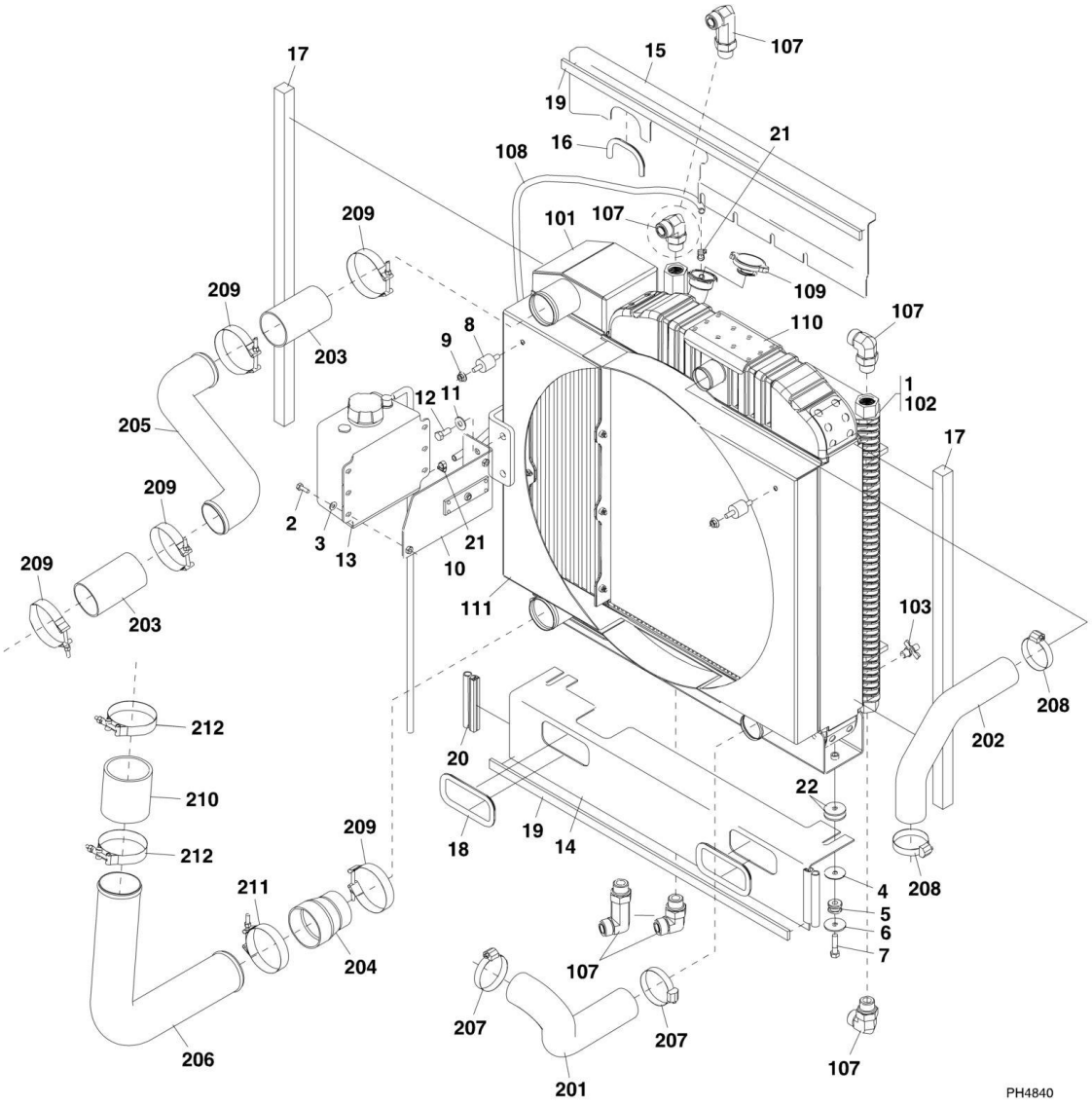


FIGURE 4-14. RADIATOR AND OIL COOLER MOUNTING (8042 SN 0160038984 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; 10054 SN 0160038984 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; 10042 SN 0160038371 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; Including 0160044461)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275912	Ref	COOLING INSTALLATION, (not available to order, see items 1 thru 22 for service)	D
1	3620083	1	RADIATOR ASSY, (includes items 101 thru 111)	C
2	0641406	2	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
3	4711400	2	WASHER, 1/4	
4	8310246	2	FENDER WASHER, 3/8	
5	83683308	2	MOUNTING PAD	
6	7057141	2	FLAT WASHER	
7	0641612	2	HEX HD CAPSCREW, 3/8-16X1-1/2, GR5	
8	91033137	2	SHOCK MOUNT	
9	77143006	2	WHIZ-LOCK NUT, 5/16-18	
10	1001105976	1	MOUNTING PLATE	
11	4751600	2	WASHER, 3/8	
12	0641607	2	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
13	1001001413	1	COOLANT RECOVERY TANK	
14	1001109010	1	AIR DAM PLATE, (bottom)	
15	1001109011	1	AIR DAM PLATE, (top)	
16	6620551	1	CONDUIT	
17	1001109230	2	FOAM GASKET	
18	6620561	2	CONDUIT	
19	90200755	AR	GASKA-TAPE	
20	91513197	AR	BULB SEAL	
21	1320022	2	BAND CLAMP	
22	1001114780	2	SHIM, (as required)	
101	70023054	1	CHARGE AIR COOLER	
102	70023055	1	TRANSMISSION COOLER	
103	70023056	1	PET COCK	
107	2131212	4	ADAPTER, 90, SHORT, (includes o-ring)	
107	2170212	2	ADAPTER, 90, LONG, (includes o-ring)	
108	70023057	1	OVERFLOW HOSE	
109	70023058	1	RADIATOR CAP, 15PSI	
110	70023059	1	RADIATOR	
111	70023060	1	FAN SHROUD	
	0275913	Ref	ENGINE COOLANT PLUMBING INSTALLATION, (not available to order, see items 201 thru 212 for service)	C
201	2720648	1	COOLANT HOSE, LOWER	
202	2720649	1	COOLANT HOSE, UPPER	
203	1001114495	2	HOSE	
204	2720645	1	REDUCER HOSE	
205	3460595	1	TURBO PIPE	
206	3460596	1	INTAKE PIPE	
207	8405202	2	GEAR CLAMP, (torque to 40 lb-in)	
208	8405201	2	GEAR CLAMP, (torque to 40 lb-in)	
209	1001001853	5	BAND CLAMP	
210	2720650	1	HUMP HOSE	
211	91163129	1	HEAVY DUTY BAND CLAMP, (torque to 75 lb-in)	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
212	90028488	2	T-BOLT CLAMP, (torque to 75 lb-in)	

FIGURE 4-15. RADIATOR AND OIL COOLER MOUNTING (SN 0160040220 through 0160045249, Including 0160039850, 0160040126, 0160040127, 0160040128, 0160040129, 0160040171 and 0160045255, Excluding 0160044461)

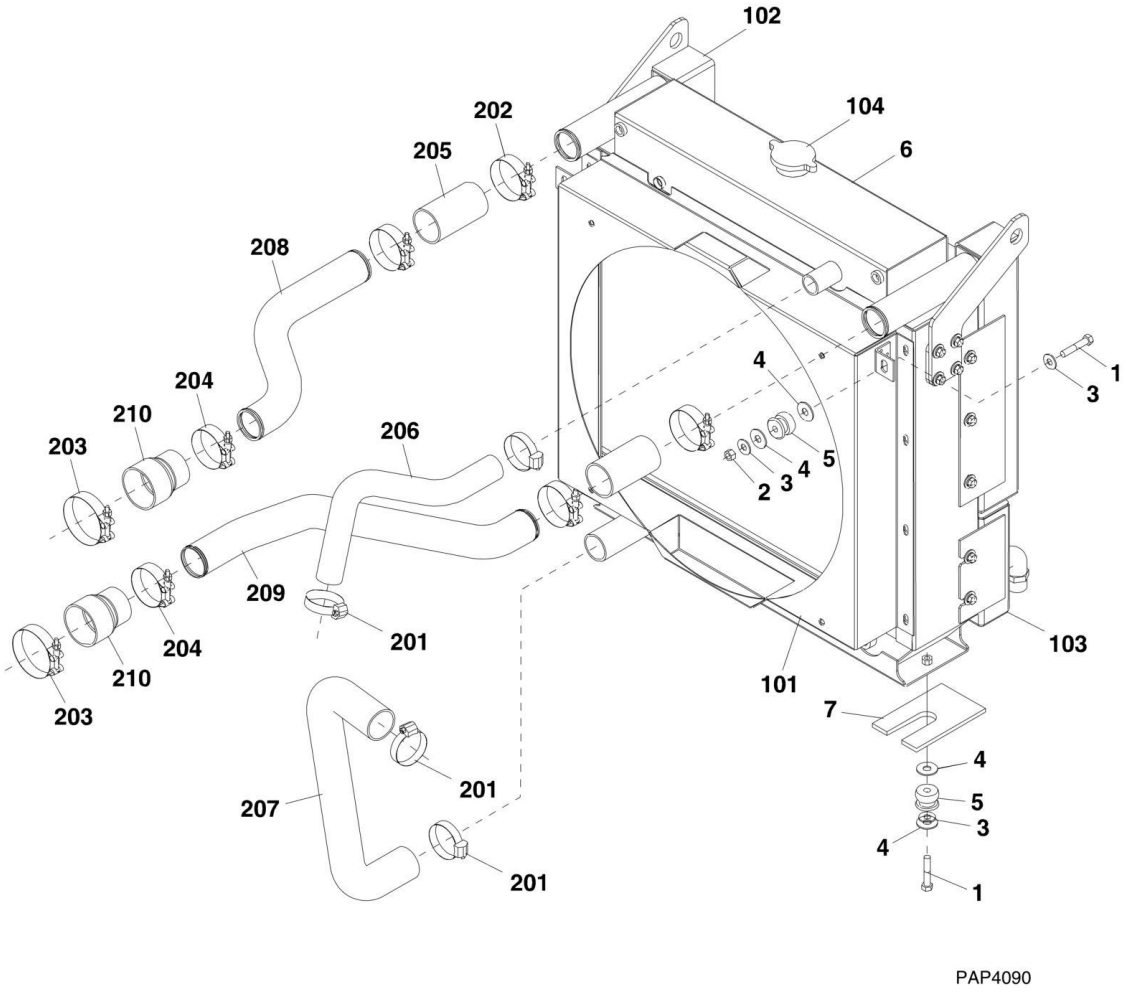


FIGURE 4-15. RADIATOR AND OIL COOLER MOUNTING (SN 0160040220 through 0160045249, Including 0160039850, 0160040126, 0160040127, 0160040128, 0160040129, 0160040171 and 0160045255, Excluding 0160044461)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001111562	Ref	COOLING INSTALLATION, (not available to order, see items 1 thru 6 for service)	B
1	0691616	4	HEX HD CAPSCREW, 3/8-24X2, GR8	
2	3281605	2	HEX LOCKNUT, 3/8-24	
3	4751600	6	WASHER, 3/8	
4	4751700	8	WASHER, 7/16	
5	8278020	4	RUBBER-ISOLATOR MOUNT	
6	1001111821	1	RADIATOR ASSY, (includes item 101 thru 104)	B
7	1001114780	2	SHIM	
101	70022694	1	SHROUD	
102	N.S.S.	1	CHARGE AIR COOLER	
103	70023601	1	HYDRAULIC OIL COOLER	
104	70022695	1	CAP	
	1001112774	Ref	COOLING PLUMBING INSTALL, (not available to order, see items 201 thru 210 for service)	B
201	8405104	4	GEAR CLAMP	
202	8405209	4	T-BOLT CLAMP	
203	8405212	2	T-BOLT CLAMP	
204	8410012	2	T-BOLT CLAMP	
205	91563070	2	RUBBER HOSE COUPLING, 2IN	
206	1001096435	1	UPPER RADIATOR HOSE	
207	1001096436	1	LOWER RADIATOR HOSE	
208	1001097565	1	PIPE	
209	1001112775	1	PIPE	
210	1001117244	2	REDUCER COUPLING	

FIGURE 4-16. AIR CLEANER ASSEMBLY (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

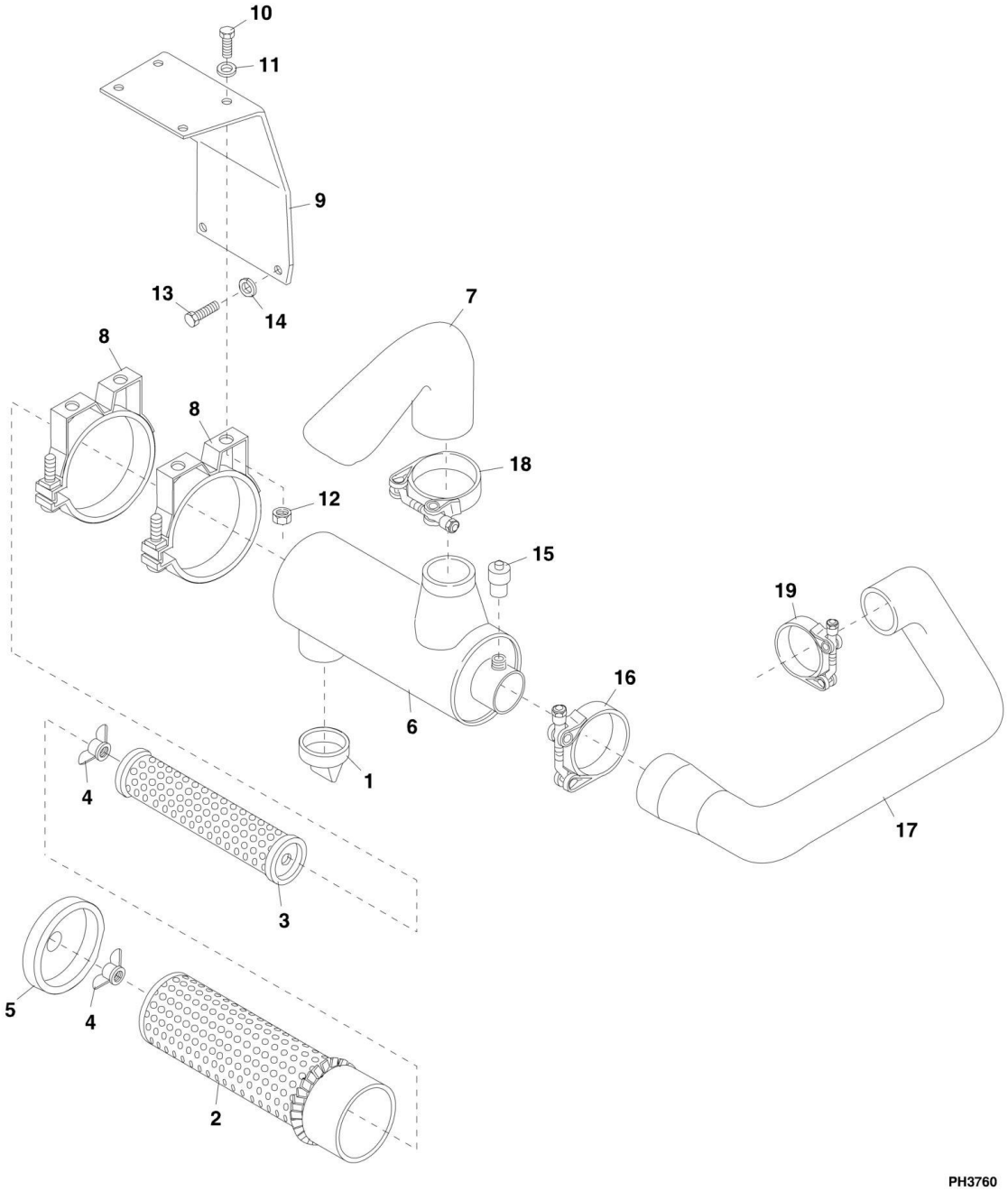


FIGURE 4-16. AIR CLEANER ASSEMBLY (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8273013	1	AIR CLEANER ASSY, (includes items 1 thru 6)	
1	8032764	1	VACUATOR VALVE	
2	8273237	1	PRIMARY FILTER ELEMENT	
3	8273238	1	SECONDARY FILTER ELEMENT	
4	8273272	2	ASSY NUT	
5	8032762	1	END COVER	
6	N.S.S.	1	AIR CLEANER BODY	
7	7097323	1	AIR INTAKE SCOOP	
8	8273240	2	AIR CLEANER MOUNTING BAND	
9	7095302	1	AIR CLEANER MOUNTING BRACKET	
10	8303697	4	HEX HD CAPSCREW, 0.31X0.75	
11	8307203	4	FLAT WASHER, 5/16	
12	8305626	4	HEX LOCKNUT, 5/16	
13	8303618	2	HEX HD CAPSCREW, M12X25mm	
14	8307025	2	LOCKWASHER, M12	
15	8273241	1	25IN SERVICE INDICATOR	
16	8405307	1	T-BOLT CLAMP, 3-13/16 ID	
17	7095393	1	AIR INTAKE HOSE	
18	8405404	1	T-BOLT BAND CLAMP, 4.38 ID	
19	8405305	1	T-BOLT BAND CLAMP, 3.38 ID	

FIGURE 4-17. AIR CLEANER ASSEMBLY (8042 SN 18991 through 19987; 10042 SN 19031 through 19987; 10054 SN 19080 through 19987; SN 0160002332 through 0160029592, SN 0160002332 through 0160029606, SN 0160002332 through 0160029592)

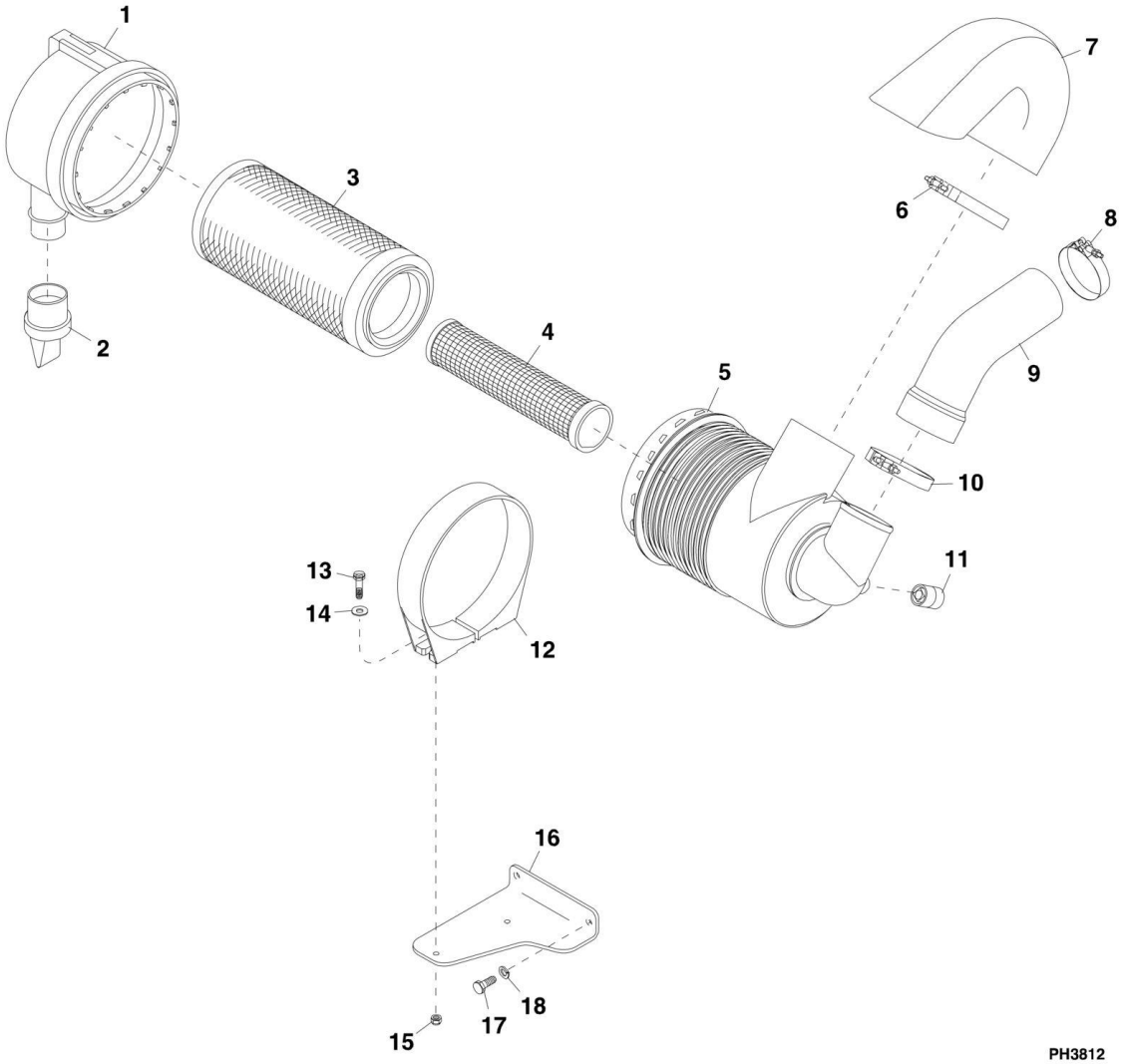


FIGURE 4-17. AIR CLEANER ASSEMBLY (8042 SN 18991 through 19987; 10042 SN 19031 through 19987; 10054 SN 19080 through 19987; SN 0160002332 through 0160029592, SN 0160002332 through 0160029606, SN 0160002332 through 0160029592)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	10268515	1	AIR CLEANER ASSY, (includes items 1 thru 5)	
1	91364023	1	COVER ASSY	
2	10733183	1	VACUATOR VALVE	
3	1101312	1	PRIMARY FILTER ELEMENT	
4	1101313	1	SECONDARY FILTER ELEMENT	
5	N.S.S.	1	AIR CLEANER BODY	
6	8410021	1	T-BOLT BAND CLAMP, 5 ID	
7	7300972	1	AIR INTAKE SCOOP	
8	8405305	1	T-BOLT BAND CLAMP, 3.38 ID	
9	2720549	1	AIR CLEANER HOSE	
10	8405505	1	T-BOLT BAND CLAMP	
11	8273241	1	AIR INTAKE RESTRICTION INDICATOR	
12	10268516	1	AIR CLEANER MOUNTING BAND	
13	8303739	2	HEX HD CAPSCREW, 5/16-18X1-1/4	
14	8307203	2	PLAIN WASHER, 5/16	
15	8305626	2	HEX LOCKNUT, 5/16-18	
16	4341012	1	AIR CLEANER BRACKET	
17	8303618	2	HEX HD CAPSCREW, M12-1.75X25mm, PC8.8	
18	8307025	2	LOCKWASHER, M12	

FIGURE 4-18. AIR CLEANER ASSEMBLY (8042 SN 0160029593 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; 10054 SN 0160029593 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; 10042 SN 0160029607 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

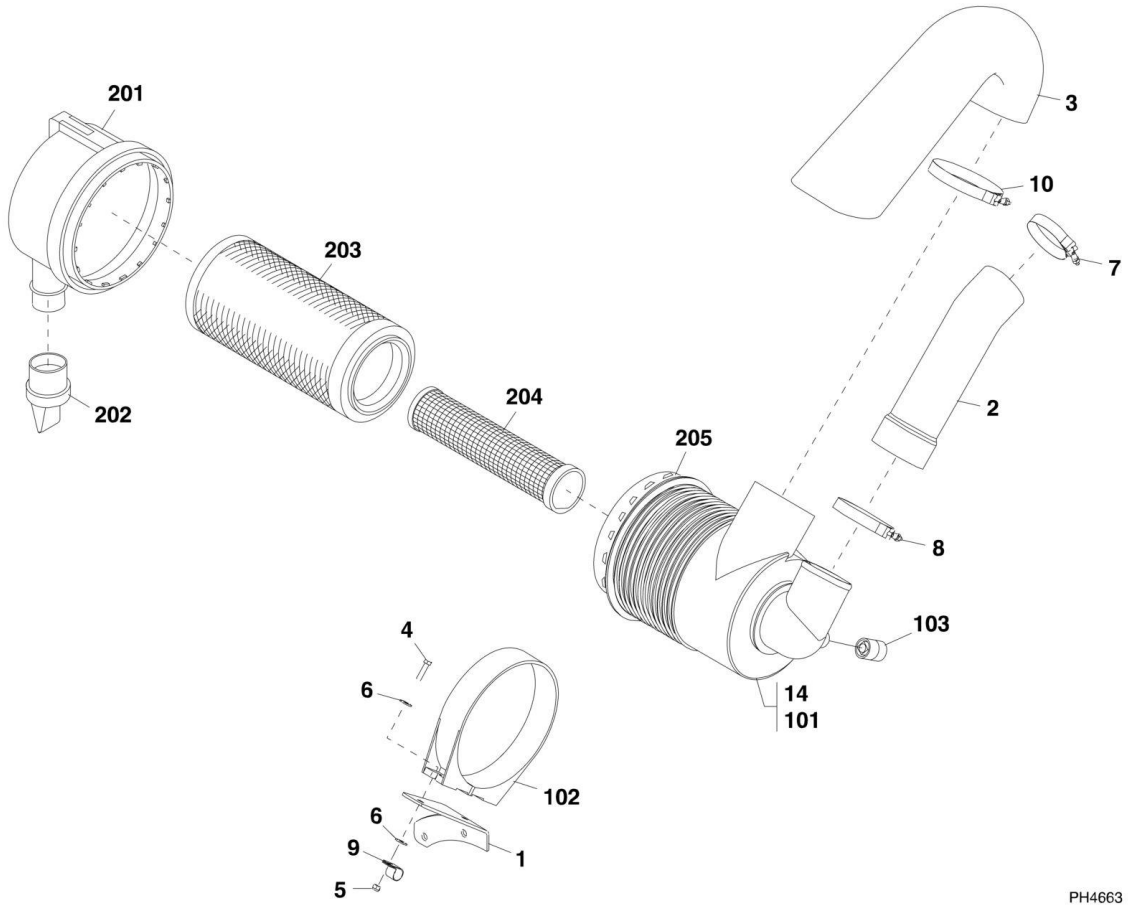


FIGURE 4-18. AIR CLEANER ASSEMBLY (8042 SN 0160029593 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; 10054 SN 0160029593 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; 10042 SN 0160029607 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2120223	1	AIR CLEANER ASSY, (includes items 1 thru 14)	D
1	0903638	1	AIR CLEANER BRACKET	
2	2720636	1	AIR CLEANER HOSE	
3	2720637	1	AIR INTAKE SCOOP	
4	0641510	2	HEX HD CAPSCREW, 5/16-18X1-1/4	
5	8305626	2	HEX LOCKNUT, 5/16-18	
6	4751500	2	PLAIN WASHER, 5/16	
7	8405305	1	T-BOLT BAND CLAMP, 3.38 ID	
8	8405505	1	T-BOLT BAND CLAMP	
9	8406102	1	WIRE CLIP	
10	8410021	1	T-BOLT BAND CLAMP, 5 ID	
14	1001097585	1	AIR CLEANER ASSY, (includes items 101 thru 103)	A
101	10268515	1	AIR CLEANER, (includes items 201 thru 205)	C
102	10268516	1	AIR CLEANER MOUNTING BAND	
103	8273241	1	AIR RESTRICTION INDICATOR	
201	91364023	1	COVER ASSY	
202	10733183	1	VACUATOR VALVE	
203	1101312	1	PRIMARY FILTER ELEMENT	
204	1101313	1	SECONDARY FILTER ELEMENT	
205	N.S.S.	1	AIR CLEANER BODY	

FIGURE 4-19. AIR CLEANER ASSEMBLY (SN 0160040220 through 0160045249, Including 0160039850, 0160040126, 0160040127, 0160040128, 0160040129, 0160040171 and 0160045255)

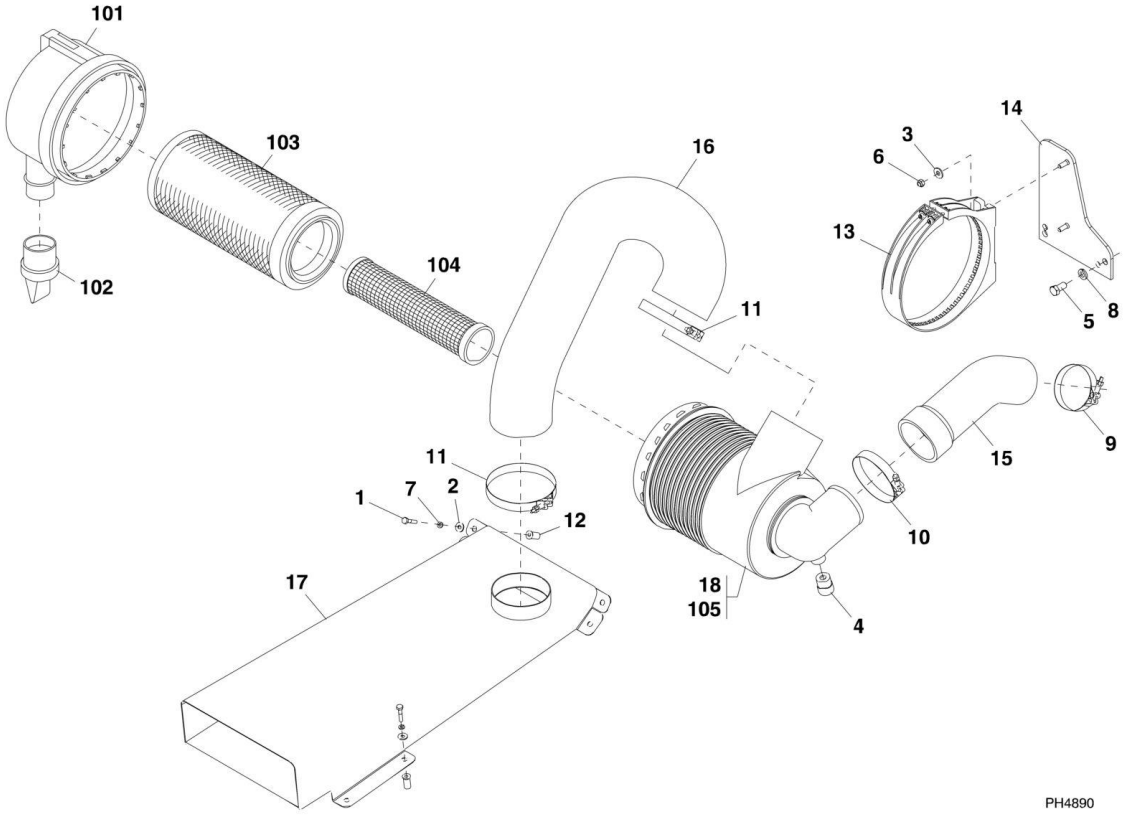


FIGURE 4-19. AIR CLEANER ASSEMBLY (SN 0160040220 through 0160045249, Including 0160039850, 0160040126, 0160040127, 0160040128, 0160040129, 0160040171 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001111556	Ref	AIR INTAKE INSTALLATION, (not available to order, see items 1 thru 18 for service)	A
1	0641410	4	HEX HD CAPSCREW, 1/4-20X1-1/4, GR 5	
2	4751400	4	WASHER, 1/4	
3	4751500	2	WASHER, 5/16	
4	8273241	1	AIR INTAKE RESTRICTION INDICATOR	
5	8303618	2	HEX HD CAPSCREW, 12X1-3/4X25mm	
6	8305626	2	HEX LOCKNUT, 5/16-18	
7	8307002	4	LOCKWASHER, 1/4	
8	8307025	2	LOCKWASHER, 12mm	
9	84055305	1	T-BOLT CLAMP	
10	8405505	1	T-BOLT CLAMP	
11	8410021	2	T-BOLT CLAMP	
12	8580420	4	WELL NUT	
13	10268516	1	MOUNTING BAND	
14	1001096484	1	AIR CLEANER SUPPORT	
15	1001098977	1	AIR INTAKE PIPE	
16	1001111557	1	INTAKE HOSE	
17	1001112747	1	AIR INTAKE DUCT WELDMENT	
18	10268515	1	AIR CLEANER, (includes items 101 thru 105)	C
101	91364023	1	COVER ASSY	
102	80373094	1	VACUATOR VALVE	
103	1101312	1	PRIMARY FILTER ELEMENT	
104	1101313	1	SECONDARY FILTER ELEMENT	
105	N.S.S.	1	AIR CLEANER BODY	

FIGURE 4-20. EXHAUST SYSTEM (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 0160019079)

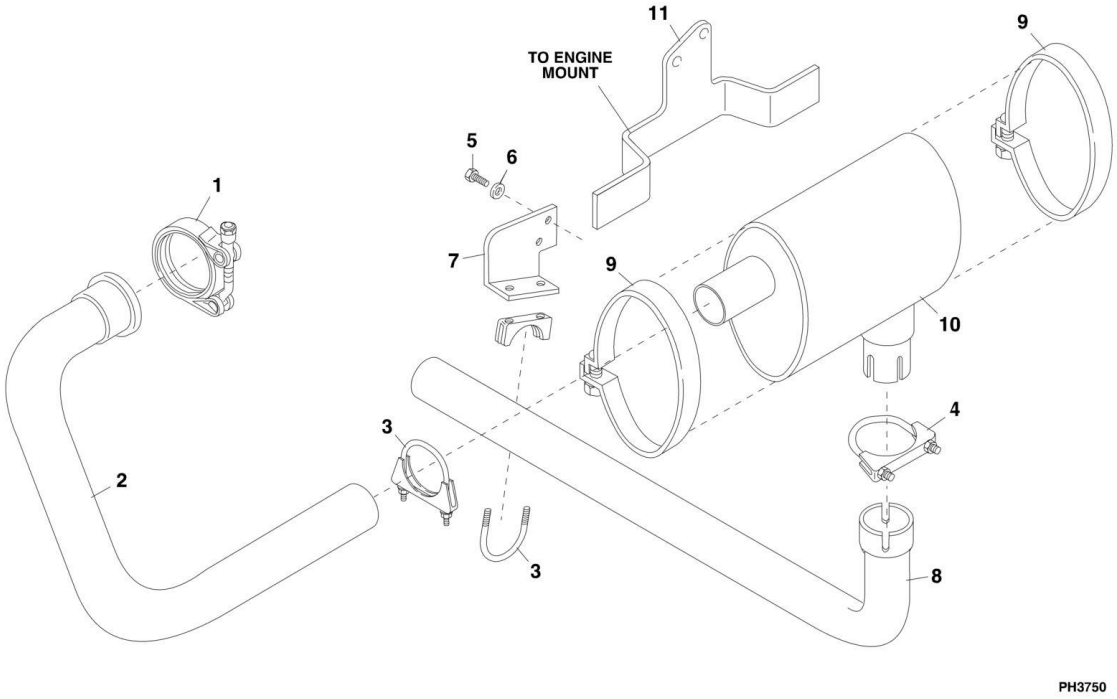


FIGURE 4-20. EXHAUST SYSTEM (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 0160019079)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8275240	1	V-BAND CLAMP	
2	7138871	1	EXHAUST PIPE	
3	8275247	2	CLAMP, MUFFLER 3 IN, HEAVY DUTY TYPE	
4	8275248	1	CLAMP, MUFFLER 2-3/4 IN, HEAVY DUTY TYPE	
5	8303675	2	SCR HHC,3/8-16NC X 1.25 GR5	
6	8307005	2	LOCKWASHER, 3/8	
7	7138815	1	EXHAUST PIPE SUPPORT	
8	7138587	1	TAIL PIPE	
9	7126992	2	BAND CLAMP	
10	7150642	1	MUFFLER	
11		Ref	MUFFLER BRACKET, (See ENGINE MOUNTING for Breakdown)	

FIGURE 4-21. EXHAUST SYSTEM (8042 SN 18991 through 19987; 10042 SN 19031 through 19987; 10054 SN 19080 through 19987; SN 0160002332 through 0160029592, SN 0160002332 through 0160029606, SN 0160002332 through 0160029592)

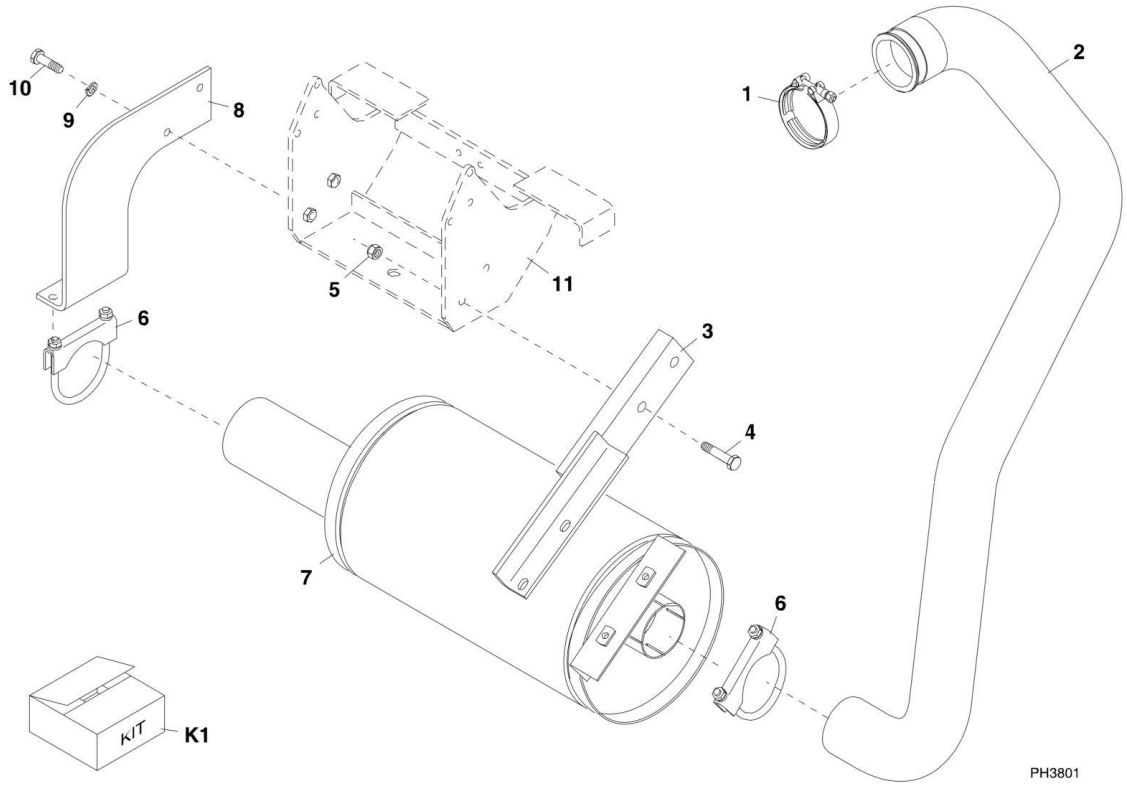


FIGURE 4-21. EXHAUST SYSTEM (8042 SN 18991 through 19987; 10042 SN 19031 through 19987; 10054 SN 19080 through 19987; SN 0160002332 through 0160029592, SN 0160002332 through 0160029606, SN 0160002332 through 0160029592)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7301498	Ref	EXHAUST INSTALLATION, (includes items 1 thru 10)	I
1	8275240	1	V BAND CLAMP	
2	7301505	1	EXHAUST PIPE	
3	7301506	1	EXHAUST MUFFLER MOUNTING BRACKET	
4	8303622	2	HEX HD CAPSCREW, 3/8-16X2	
5	8305645	2	HEX LOCKNUT, 3/8-16	
6	8275247	2	MUFFLER CLAMP, 3	
7	8275045	1	ROUND MUFFLER	
8	7138815	1	EXHAUST PIPE BRACKET	
9	8307005	2	LOCKWASHER, 3/8	
10	8303675	2	HEX HD CAPSCREW, 3/8-16X1-1/4	
11		Ref	ENGINE MOUNT, (See ENGINE MOUNTING for Breakdown)	
K1	1001102305	1	EXHAUST UPGRADE KIT, (See EXHAUST UPGRADE KIT for Breakdown)	

FIGURE 4-22. EXHAUST SYSTEM (8042 SN 0160029593 through 0160035236; 10042 SN 0160029607 through 0160035245; 10054 SN 0160029594 through 0160035235)

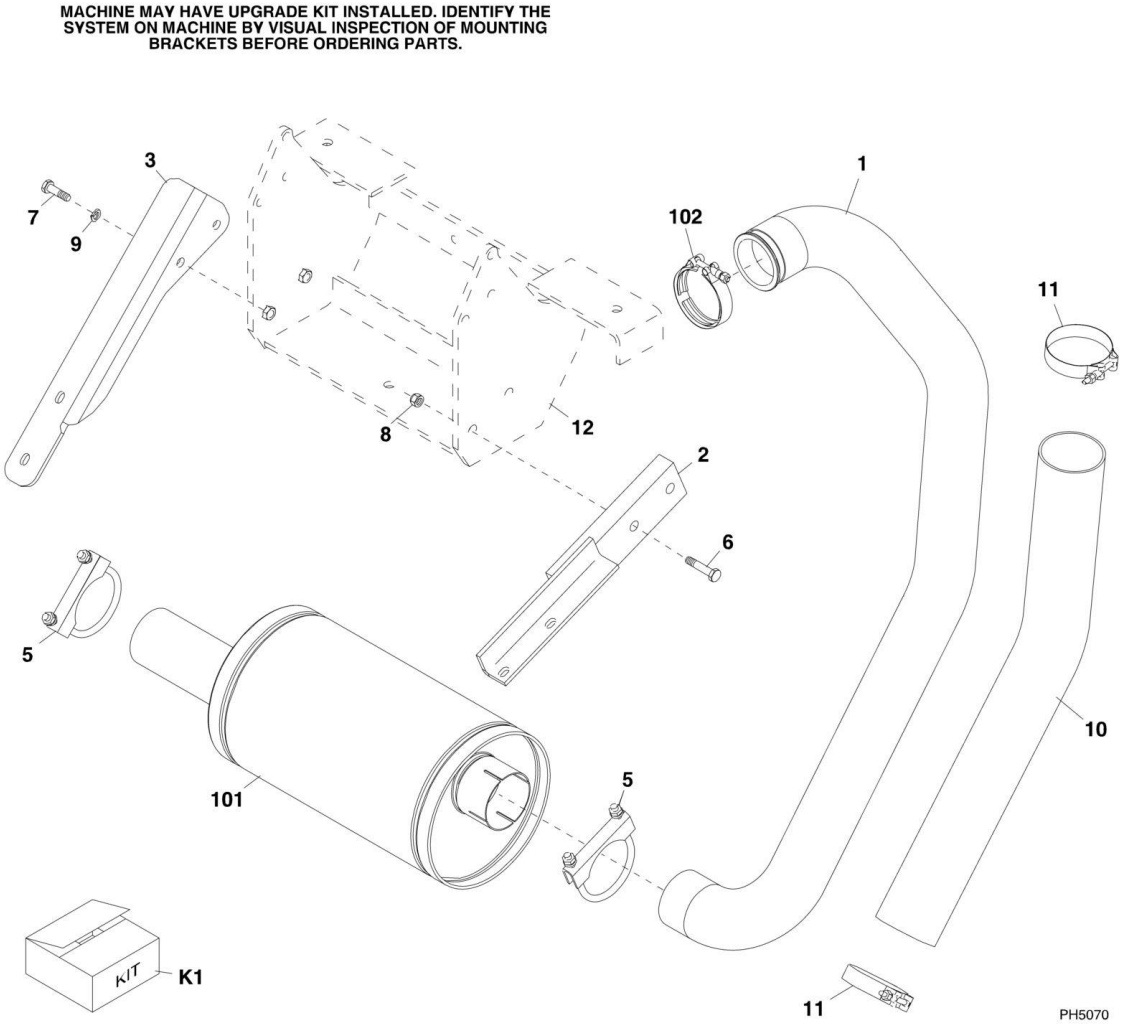


FIGURE 4-22. EXHAUST SYSTEM (8042 SN 0160029593 through 0160035236; 10042 SN 0160029607 through 0160035245; 10054 SN 0160029594 through 0160035235)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001093303	Ref	EXHAUST INSTALLATION, (includes items 1 thru 11)	D
1	4569499	1	EXHAUST PIPE	
2	1001094357	1	EXHAUST BRACKET	
3	7302304	1	EXHAUST BRACKET	
5	8275247	2	CLAMP, 3 IN	
6	0641712	2	HEX HD CAPSCREW, 7/16-14X1-1/2, (torque to 35-45 lb-ft)	
7	8303675	2	HEX HD CAPSCREW, 7/16-14X1-1/4, GR5, (torque to 23-28 lb-ft)	
8	8310109	2	HEX LOCKNUT, 7/16-14	
9	8307005	2	LOCKWASHER	
10	4100109	1	FIBERGLASS SLEEVE, 3 IN DIA	
11	90028488	2	CLAMP, T-BOLT	
12		Ref	ENGINE MOUNT, (See ENGINE MOUNTING for Breakdown)	
101	8275045	1	MUFFLER	
102	8275240	1	V BAND CLAMP	
K1	1001102306	1	EXHAUST UPGRADE KIT	

FIGURE 4-23. EXHAUST SYSTEM (8042 SN 0160035236 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; 10054 SN 0160035236 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; 10042 SN 0160035246 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

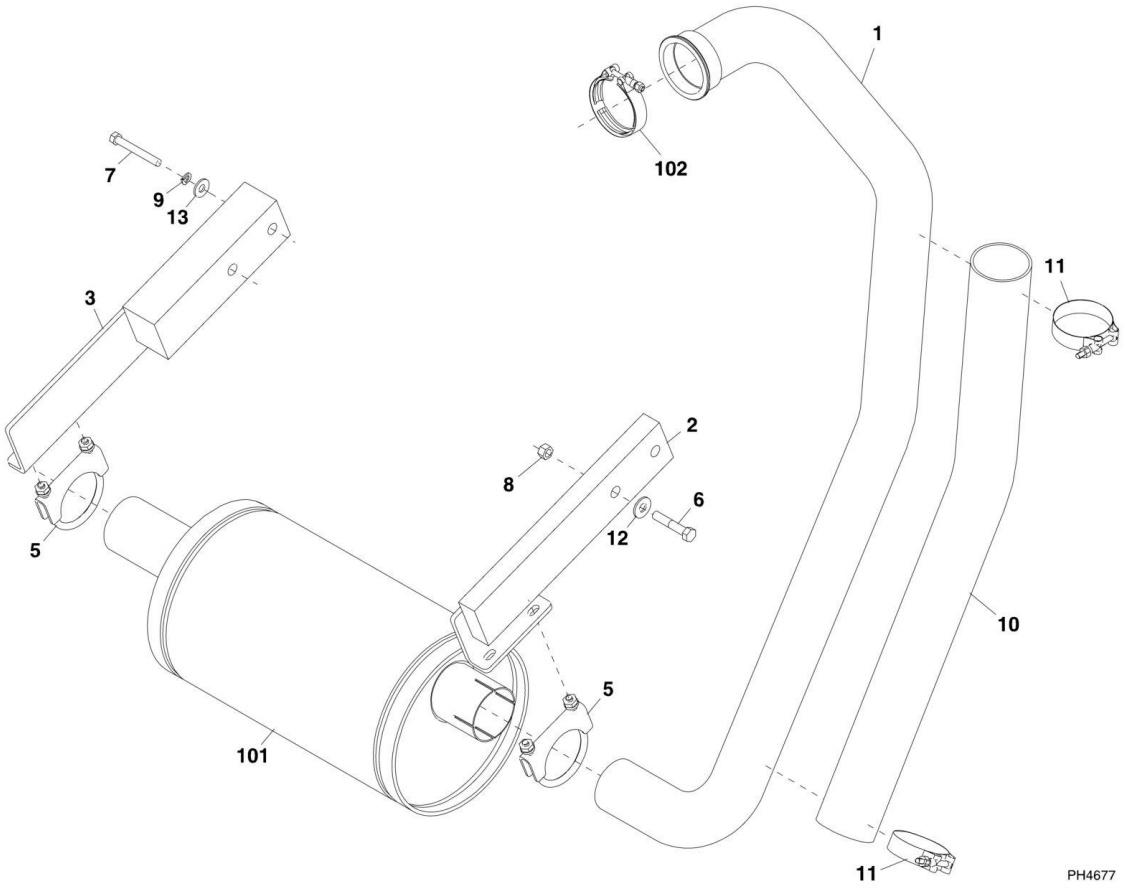


FIGURE 4-23. EXHAUST SYSTEM (8042 SN 0160035236 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; 10054 SN 0160035236 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; 10042 SN 0160035246 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001093303	Ref	EXHAUST INSTALLATION, (includes items 1 thru 13)	G
1	1001100296	1	EXHAUST PIPE	
2	1001100257	1	EXHAUST BRACKET	
3	1001100258	1	EXHAUST BRACKET	
5	83683175	2	CLAMP, 2-1/2 IN	
6	0641718	2	HEX HD CAPSCREW, 7/16-14X2-1/4, GR5, (torque to 35-45 lb-ft)	
7	0641624	2	HEX HD CAPSCREW, 3/8-16X3, GR5, (torque to 23-28 lb-ft)	
8	8310109	2	HEX LOCKNUT, 7/16-14	
9	8307005	2	LOCKWASHER	
10	1001101193	2 ft	FIBERGLASS SLEEVE, 2-1/2 IN DIA, (sold by the foot)	
11	8405209	2	CLAMP, T-BOLT	
12	4751700	2	WASHER, 7/16	
13	4751600	2	WASHER, 3/8	
101	1001100978	1	MUFFLER	
102	8275240	1	V BAND CLAMP	

FIGURE 4-24. EXHAUST SYSTEM (SN 0160040220 through 0160045249, Including 0160039850, 0160040126, 0160040127, 0160040128, 0160040129, 0160040171 and 0160045255)

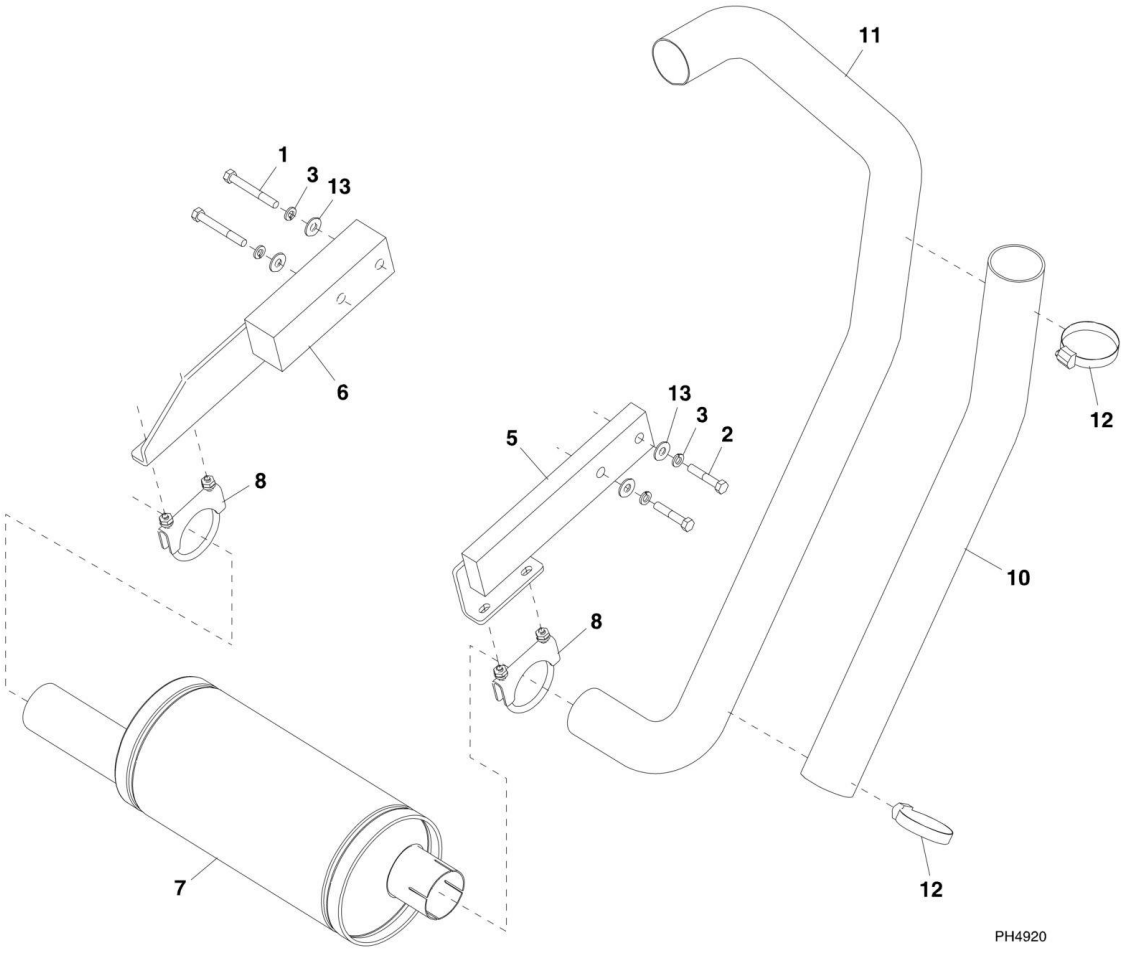


FIGURE 4-24. EXHAUST SYSTEM (SN 0160040220 through 0160045249, Including 0160039850, 0160040126, 0160040127, 0160040128, 0160040129, 0160040171 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001096425	Ref	EXHAUST INSTALL, (not available to order, see items 1 thru 13 for service)	E
1	0641624	2	HEX HD CAPSCREW, 3/8-16X3, GR5, (torque to 25-30 lb-ft)	
2	0641616	2	HEX HD CAPSCREW, 3/8-16X2, GR5, (torque to 25-30 lb-ft)	
3	8307005	4	LOCKWASHER, 3/8	
5	1001114012	1	EXHAUST BRACKET, INLET	
6	1001114013	1	EXHAUST BRACKET, OUTLET	
7	1001100978	1	MUFFLER	
8	83683175	2	CLAMP	
10	1001101193	29 in	FIBERGLASS SLEEVE, (sold by the foot)	
11	1001114040	1	EXHAUST PIPE	
12	8405202	2	GEAR CLAMP	
13	4751600	4	WASHER, 3/8	

FIGURE 4-25. ISOLATION COUPLER (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

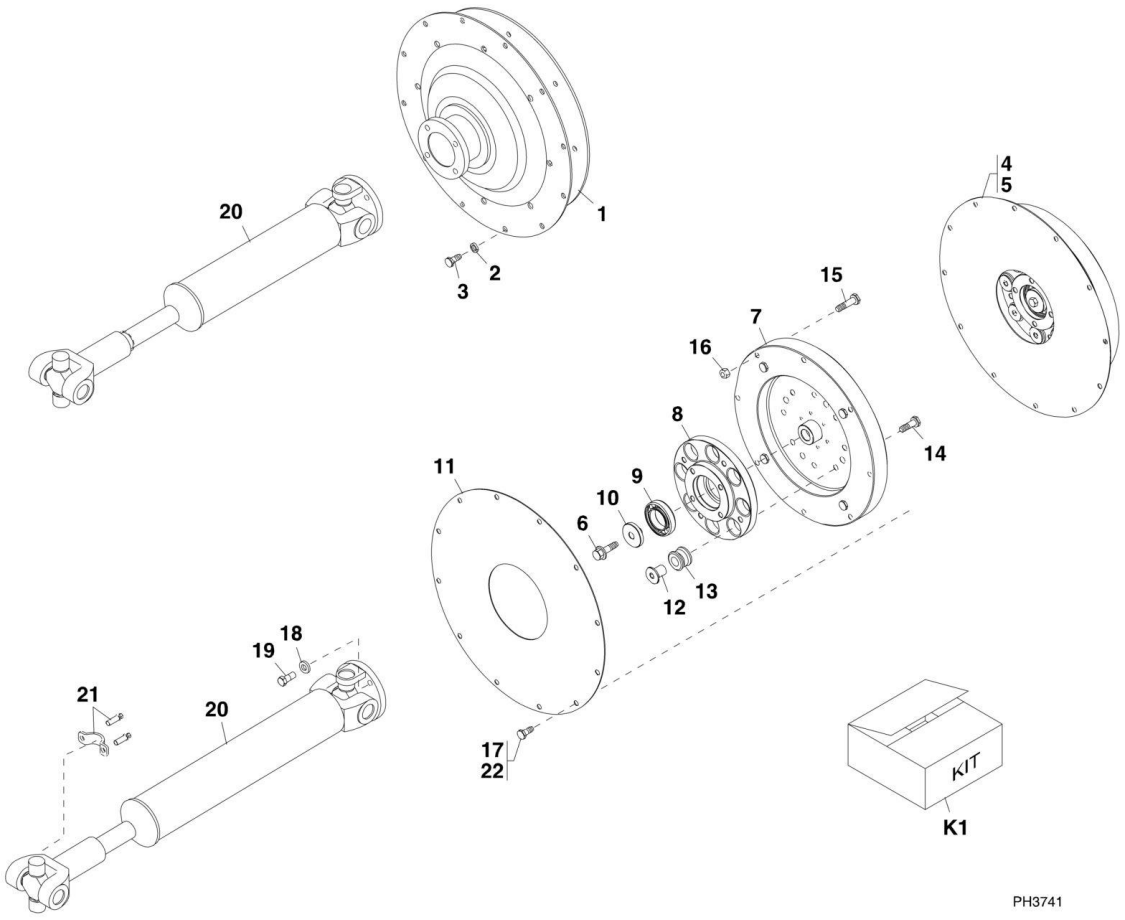


FIGURE 4-25. ISOLATION COUPLER (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.S.S.	1	ISOLATION COUPLER ASSY, (not available to order, use 7302031 for replacement)	
2	8307023	12	LOCKWASHER, M10	
3	8303784	12	HEX HD CAPSCREW, M10X20mm	
4	7302031	1	ISOLATION COUPLER REPLACEMENT KIT, (includes items 5 thru 22)	
5	8841318	1	ISOLATION COUPLER ASSY, (includes items 6 thru 14)	
6	Kit	1	HEX HD CAPSCREW, 7/16-20X1-1/2, GR8	
7	N.S.S.	1	FLYWHEEL PLATE, (not available to order, use 8841318 for replacement)	
8	7029264	1	COUPLING HUB	
9	N.S.S.	1	BALL BEARING, (not available to order, use 8841318 for replacement)	
10	Kit	1	THRU BUSHING	
11	7029265	1	COVER PLATE	
12	Kit	8	THREADED BUSHING	
13	Kit	8	NEOPRENE INSERT	
14	Kit	8	HEX HD CAPSCREW, 7/16-20X1-1/4, GR8	
15	0761015	4	HEX HD BOLT, M10X1.5X35mm	
16	8305630	8	HEX LOCKNUT, M10X1.50	
17	8303784	12	HEX HD CAPSCREW, M10-1.5X20mm, PC8	
18	8307006	4	SPRING LOCKWASHER, 7/16	
19	8310425	4	HEX HD CAPSCREW, 7/16 -20X1.25, GR8	
20		Ref	DRIVE SHAFT, (engine input), (See DRIVE TRAIN for Breakdown)	
21	8880219	1	STRAP KIT, (includes 2 straps with hardware)	
K1	70020228	1	ISOLATION COUPLER SERVICE KIT, (includes items 6, 10, 12, 13 & 14)	

FIGURE 4-26. ISOLATION COUPLER (8042 SN 18991 through 19987; 10042 SN 19031 through 19987; 10054 SN 19080 through 19987; SN 0160002332 through 0160045249, SN 0160002332 through 0160045249, SN 0160002332 through 0160045249)

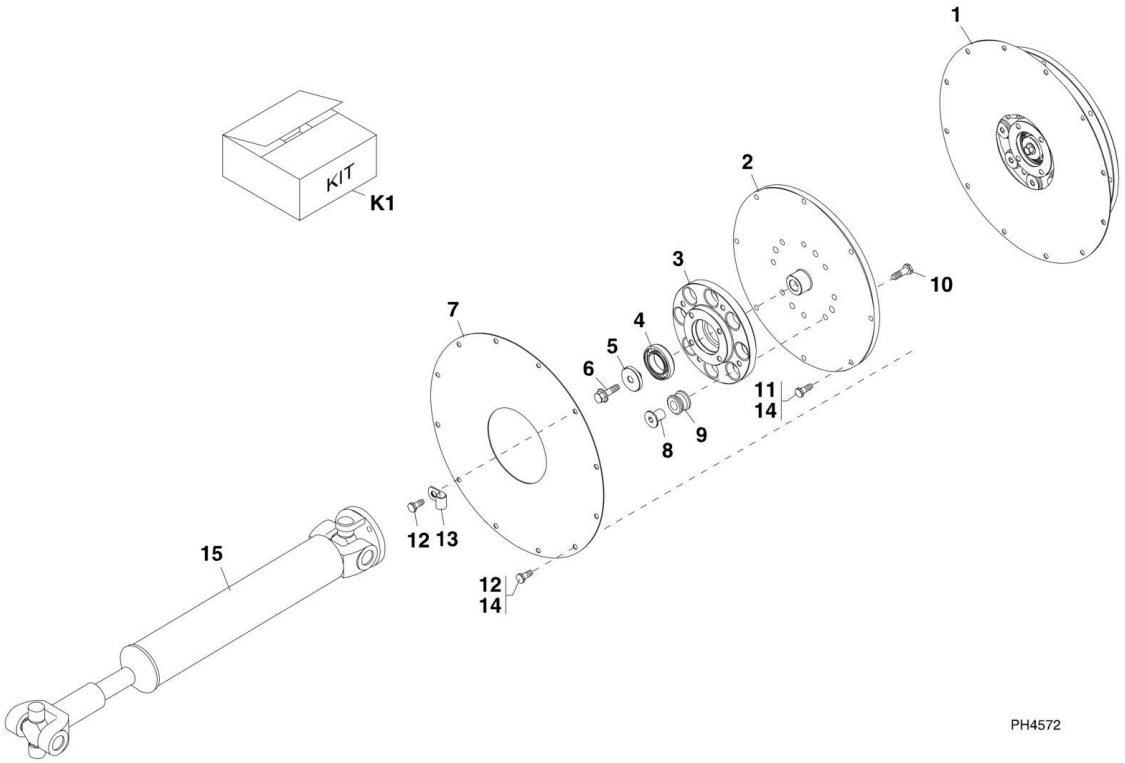
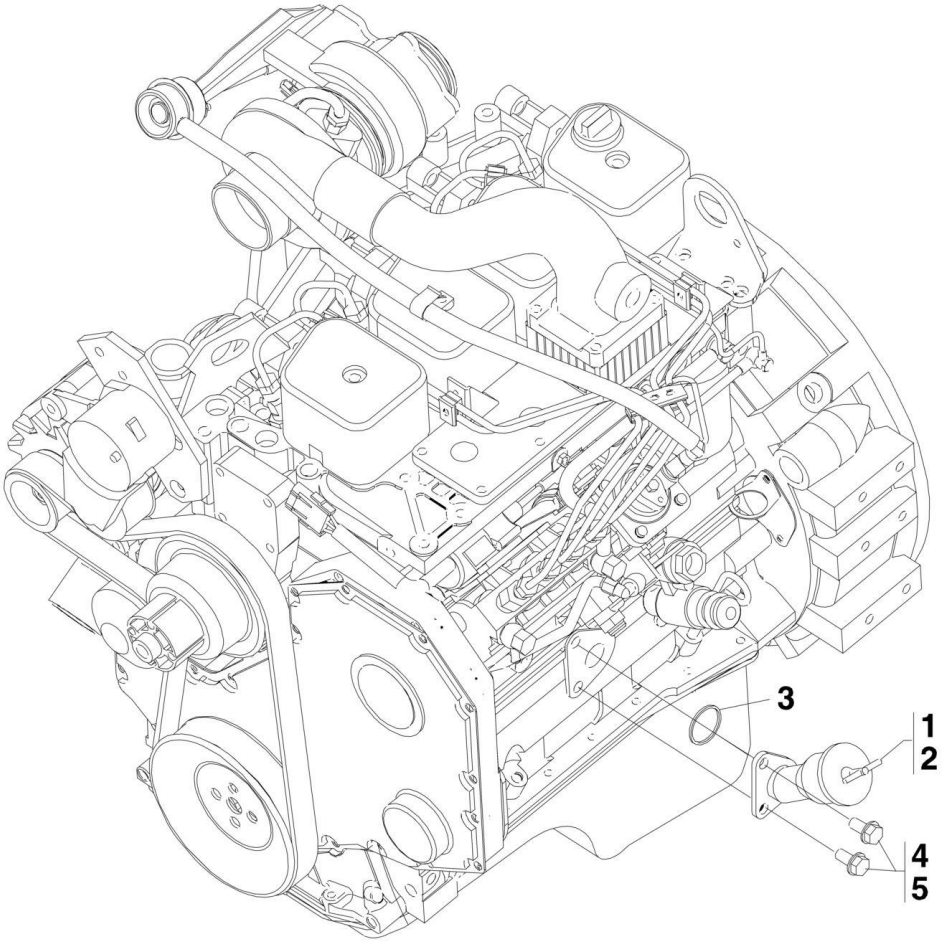


FIGURE 4-26. ISOLATION COUPLER (8042 SN 18991 through 19987; 10042 SN 19031 through 19987; 10054 SN 19080 through 19987; SN 0160002332 through 0160045249, SN 0160002332 through 0160045249, SN 0160002332 through 0160045249)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8841319	1	ISOLATION COUPLER ASSY, (includes items 2 thru 10)	
2	N.S.S.	1	FLYWHEEL PLATE, (not available to order, use 8841319 for replacement)	
3	7029264	1	COUPLING HUB	
4	N.S.S.	1	BALL BEARING, (not available to order, use 8841319 for replacement)	
5	Kit	1	THRU BUSHING	
6	Kit	5	HEX HD CAPSCREW, 7/16-20X1-1/2, GR8	
7	7029265	1	COVER PLATE	
8	Kit	8	THREADED BUSHING	
9	Kit	8	NEOPRENE INSERT	
10	Kit	8	HEX HD CAPSCREW, 7/16-20X1-1/4, GR8	
11	8303755	8	HEX HD CAPSCREW, M10-1.5X30mm, PC8.8, (torque to 54-61 Nm)	
12	8303784	12	HEX HD CAPSCREW, M10-1.5X20mm, PC8, (torque to 54-61 Nm)	
13	8406105	1	TUBE CLIP, 3/4 DIA	
14	8526007	AR	LOCTITE 242, (apply to items 11 & 12)	
15		Ref	DRIVE SHAFT, (engine input), (See DRIVE TRAIN SECTION for Breakdown)	
K1	70020228	1	ISOLATION COUPLER SERVICE KIT, (includes items 5, 6, 8, 9 & 10)	

FIGURE 4-27. REMOTE OIL FILLER (8042 SN 18991 through 19987, SN 0160002332 through 0160045249; 10042 SN 19031 through 19987, SN 0160002332 through 0160045249; 10054 SN 19080 through 19987, SN 0160002332 through 0160045249; Including 0160045255, 0160045255 and 0160045255)



PA4531

FIGURE 4-27. REMOTE OIL FILLER (8042 SN 18991 through 19987, SN 0160002332 through 0160045249; 10042 SN 19031 through 19987, SN 0160002332 through 0160045249; 10054 SN 19080 through 19987, SN 0160002332 through 0160045249; Including 0160045255, 0160045255 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2915052	1	REMOTE OIL FILLER KIT, (includes items 1 thru 4)	
1	83673130	1	FILLER CAP	
2	7029006	1	OIL FILLER TUBE	
3	83673133	1	SEAL	
4	7029242	2	HEX HD CAPSCREW, M12X1.75mm, GR8, (Loctite and torque to 71 lb-ft)	
5	8526007	AR	LOCTITE 242, (apply to item 4)	

FIGURE 4-28. EXHAUST UPGRADE KIT

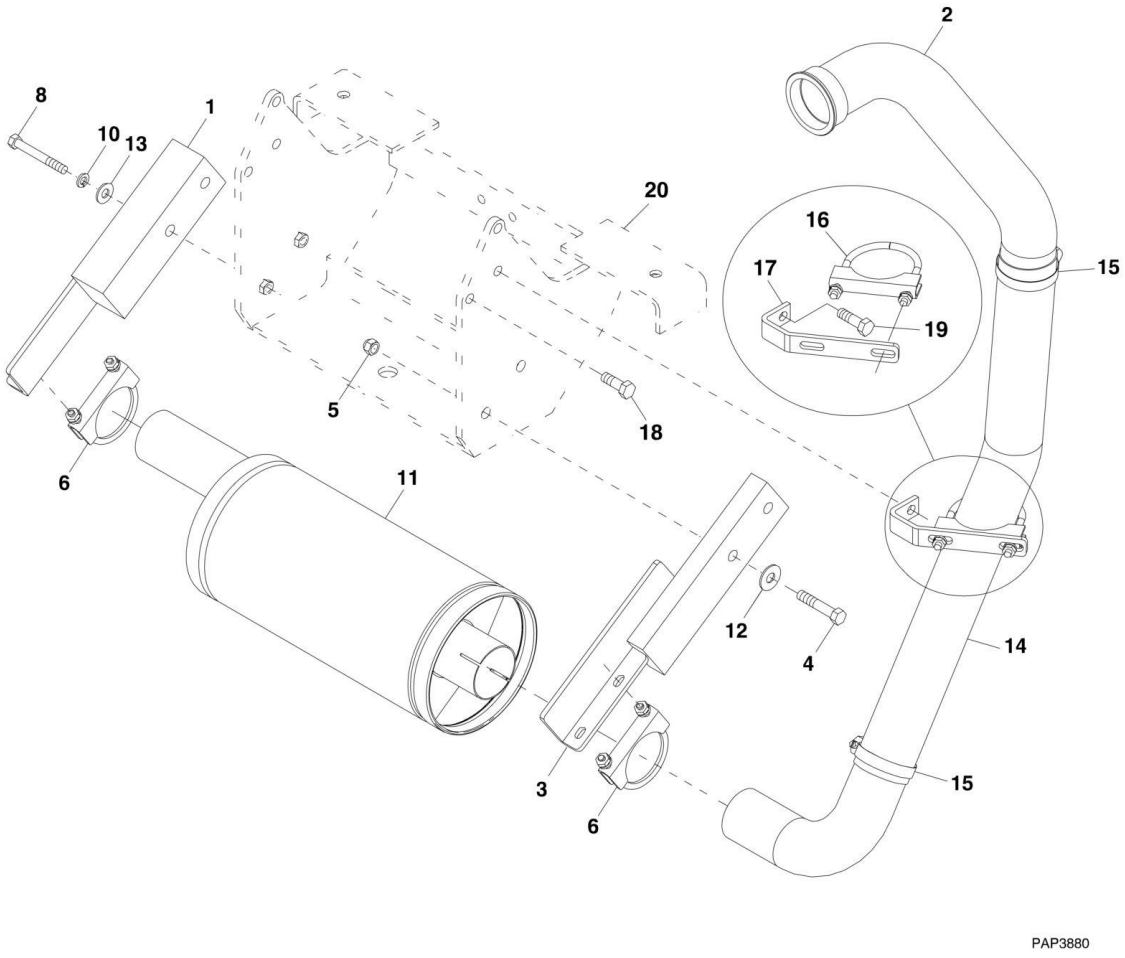


FIGURE 4-28. EXHAUST UPGRADE KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001102305	1	EXHAUST UPGRADE KIT, (includes items 1 thru 19)	E
1	1001101397	1	EXHAUST BRACKET	
2	1001100296	1	EXHAUST PIPE	
3	1001101396	1	MOUNTING BRACKET	
4	0641718	2	HEX HD CAPSCREW, 7/16-14X2-1/4, GR5, (torque to 35-45 lb-ft)	
5	8310109	2	HEX LOCKNUT, 7/16-14	
6	83683175	2	MUFFLER CLAMP, 2-1/2IN	
8	0641624	2	HEX HD CAPSCREW, 3/8-16X3, GR5, (torque to 7.5-13.5 lb-ft)	
10	8307005	2	LOCKWASHER, 3/8	
11	1001100978	1	MUFFLER	
12	4751700	2	WASHER, 7/16	
13	4751600	2	WASHER, 3/8	
14	1001101193	2 ft	FIBERGLASS SLEEVE, 2-1/2 IN DIA, (sold by the ft)	
15	8405202	2	GEAR CLAMP	
16	8275247	1	MUFFLER CLAMP, 3 INCH	
17	1001120927	1	EXHAUST SUPPORT BRACKET	
18	0701215	1	HEX HD CAPSCREW, 12X35mm, GR8.8	
19	0701216	1	HEX HD CAPSCREW, 12X40mm, GR8.8	
20		Ref	ENGINE MOUNT, (see ENGINE AND ATTACHING PARTS SECTION for Breakdown)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-1. DRIVE TRAIN COMPONENTS (8042)

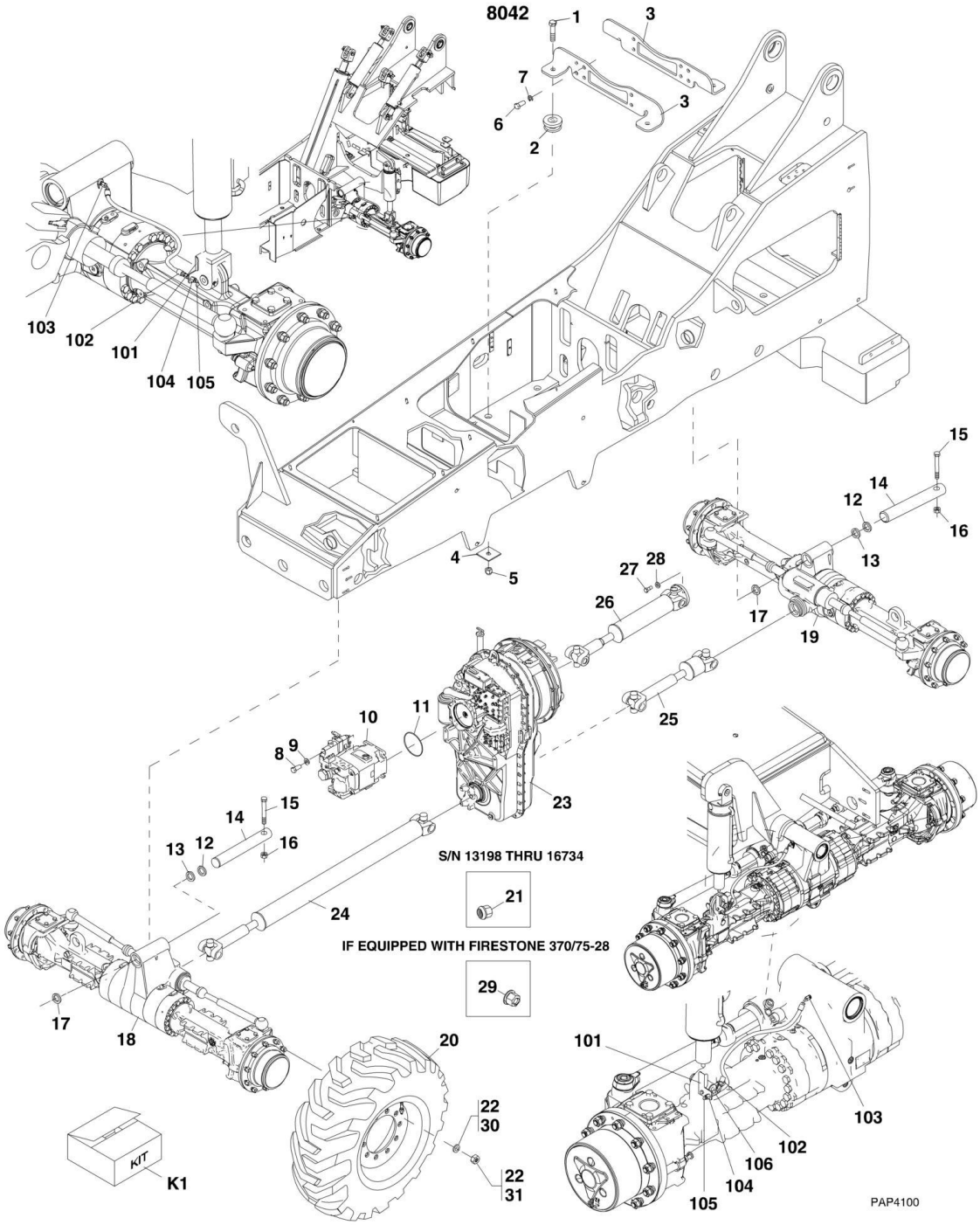


FIGURE 5-1. DRIVE TRAIN COMPONENTS (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8303724	4	HEX HD CAPSCREW, 0.75-10X3.5, (torque to 180-320 lb-ft)	
2	8278007	4	RUBBER MOUNT	
3	7138634	2	TRANSMISSION MOUNT BRACKET	
4	7054351	4	REBOUND WASHER	
5	8310067	4	LOCK NUT, 0.75-10	
6	8310215	8	HEX HD CAPSCREW, M16X2X40mm, PC8.8, (torque to 145-260 Nm)	
7	8307049	8	LOCKWASHER, M16	
8	8303519	4	HEX HD CAPSCREW, M12X1.75X35mm, PC8.8	
9	8310356	4	HARDENED WASHER, 12mm	
10		Ref	MAIN PUMP ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
11	8630019	1	O-RING	
12	8307913	AR	SPACER, WASHER 0.12	
13	8307912	AR	SPACER, WASHER 0.06	
14	7079442	2	AXLE PIVOT PIN **(SN 13198 through 19987, SN 0160002332 through 0160018373)**	
14	3423254	2	AXLE PIVOT PIN **(SN 0160018381 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
15	0682036	2	HEX HD CAPSCREW, 5/8-11X4-1/2 **(SN 13198 through 19987, SN 0160002332 through 0160018373)**	
15	0642640	2	HEX HD CAPSCREW, 1-8X5 **(SN 0160018381 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
16	8305643	2	HEX LOCKNUT, 5/8-11 **(SN 13198 through 19987, SN 0160002332 through 0160018373)**	
16	8310116	2	HEX LOCKNUT, 1-8 **(SN 0160018381 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
17	8310259	AR	SPACER, WASHER 0.09	
18		Ref	FRONT AXLE, (See FRONT AXLE for Breakdown)	
19		Ref	REAR AXLE, (See REAR AXLE for Breakdown)	
20		Ref	TIRE AND RIM ASSY, (See TIRES AND RIMS for Breakdown)	
21	Kit	NLA	SPHERICAL COLLAR WHEEL NUT, (no longer available, first time order use kit 7301738 to replace all one piece wheel nuts) **(SN 13198 through 16734)**	
22	8024035	40	FLANGE WHEEL NUT AND SPHERICAL WASHER SERVICE KIT, (not required with Firestone 370/75-28) **(SN 0160016735 through 0160019987, SN 0160002332 through 0160039921)**	
23		Ref	ZF TRANSMISSION, (See ZF TRANSMISSION for Breakdown)	
24		Ref	DRIVE SHAFT, (front axle), (See DRIVE SHAFT for Breakdown)	
25		Ref	DRIVE SHAFT, (rear axle), (See DRIVE SHAFT for Breakdown)	
26		Ref	DRIVE SHAFT, (engine to transmission), (See DRIVE SHAFT for Breakdown)	
27	8310425	4	HEX HD CAPSCREW, 0.438-20X2.25	
28	8307006	4	LOCKWASHER, 0.438	
29	91403193	40	WHEEL NUT, (torque to 430-470 lb-ft), (if equipped with Firestone 370/75-28)	
30	8786573	40	WASHER, (not required with Firestone 370/75-28) **(SN 0160039932 through 0160045249, Including 0160045255, Excluding**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)	
31	8786572	40	WHEEL NUT, (torque to 430-470 lb-ft), (not required with Firestone 370/75-28) **(SN 0160039932 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
	1001107525	Ref	AXLE PIN LUBE KIT INSTALLATION, (not available to order, see items 101 thru 106 for service)	D
101	1001099687	2	BRACKET	
102	1001099688	NLA	HOSE (no longer available, use 1001204707 for replacement)	
102	1001204707	2	HOSE	
103	1001107589	2	ADAPTER	
104	80623016	2	BULKHEAD ADAPTER	
105	88671022	NLA	LUBE FITTING, 90 (no longer available, use 8520003 for replacement)	
105	8520003	2	LUBE FITTING, 90	
106	2220677	1	ADAPTER, 45	
K1	7301738	4	WHEEL NUT KIT, (single wheel replacement), (includes 10 flange wheel nuts and 10 spherical washers)	

FIGURE 5-2. DRIVE TRAIN COMPONENTS (10042,10054)

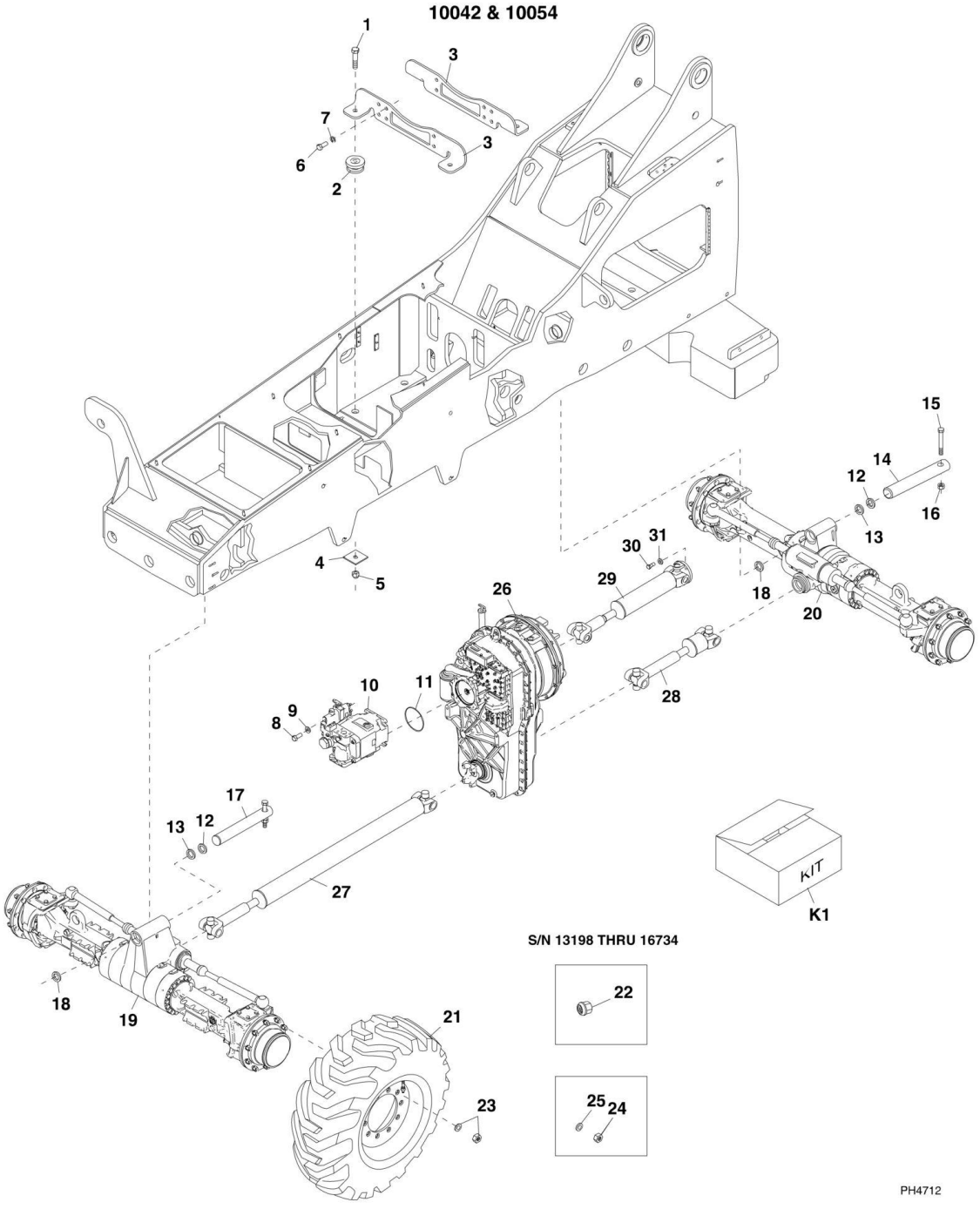


FIGURE 5-2. DRIVE TRAIN COMPONENTS (10042,10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8303724	4	HEX HD CAPSCREW, 0.75-10X3.5, (torque to 180-320 lb-ft)	
2	8278007	4	RUBBER MOUNT	
3	7138634	2	TRANSMISSION MOUNT BRACKET	
4	7054351	4	REBOUND WASHER	
5	8310067	4	LOCK NUT, 0.75-10	
6	8310215	8	HEX HD CAPSCREW, M16X2X40mm, PC8.8, (torque to 145-260 Nm)	
7	8307049	8	LOCKWASHER, M16	
8	8303519	4	HEX HD CAPSCREW, M12X1.75X35mm, PC8.8	
9	8310356	4	HARDENED WASHER, 12mm	
10		Ref	MAIN PUMP ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
11	8630019	1	O-RING	
12	8307913	AR	SPACER, WASHER 0.12	
13	8307912	AR	SPACER, WASHER 0.06	
14	7079442	1	REAR AXLE PIVOT PIN, (See OUTRIGGER MOUNTING for Front Axle Pivot Pin) (10042,10054) **(10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160018244, SN 0160002332 through 0160018374)**	
14	3423254	1	REAR AXLE PIVOT PIN (10042,10054) **(10042 SN 0160018395 through 0160045249; 10054 SN 0160018382 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
15	0682036	1	HEX HD CAPSCREW, 5/8-11X4-1/2 (10042,10054) **(10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160018244, SN 0160002332 through 0160018374)**	
15	0642640	1	HEX HD CAPSCREW, 1-8X5 (10042,10054) **(10042 SN 0160018395 through 0160045249; 10054 SN 0160018382 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
16	8305643	1	LOCKNUT, 5/8-11 (10042,10054) **(10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160018244, SN 0160002332 through 0160018374)**	
16	8310116	1	LOCKNUT, 1-8 (10042,10054) **(10042 SN 0160018395 through 0160045249; 10054 SN 0160018382 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
17		Ref	FRONT AXLE PIVOT PIN, (See OUTRIGGER MOUNTING for Breakdown)	
18	8310259	AR	SPACER, WASHER 0.09	
19		Ref	FRONT AXLE, (See FRONT AXLE for Breakdown)	
20		Ref	REAR AXLE, (See REAR AXLE for Breakdown)	
21		Ref	TIRE AND RIM ASSY, (See TIRES AND RIMS for Breakdown)	
22	Kit	NLA	SPHERICAL COLLAR WHEEL NUT, (no longer available, first time order use kit 7301738 to replace all one piece wheel nuts) **(SN 13198 through 16734)**	
23	8024035	40	FLANGE WHEEL NUT AND SPHERICAL WASHER SERVICE KIT **(SN 16735 through 19987, SN 0160002332 through 0160038967)**	
24	8786572	40	WHEEL NUT, (not required with Firestone 400/75-28) (10042,10054) **(10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249;**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)	
24	91403193	40	WHEEL NUT, (if equipped with Firestone 400/75-28) (10042,10054) **(10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
25	8786573	40	SPRING WASHER, (not required with Firestone 400/75-28) (10042,10054) **(10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
26		Ref	ZF TRANSMISSION, (See ZF TRANSMISSION for Breakdown)	
27		Ref	DRIVE SHAFT, (front axle), (See DRIVE SHAFT for Breakdown)	
28		Ref	DRIVE SHAFT, (rear axle), (See DRIVE SHAFT for Breakdown)	
29		Ref	DRIVE SHAFT, (engine to transmission), (See DRIVE SHAFT for Breakdown)	
30	8310425	4	HEX HD CAPSCREW, 0.438-20X2.25	
31	8307006	4	LOCKWASHER, 0.438	
K1	7301738	4	WHEEL NUT KIT, (single wheel replacement), (includes 10 flange wheel nuts AND 10 spherical washers) **(SN 16735 through 19987, SN 0160002332 through 0160038967)**	

FIGURE 5-3. FRONT AXLE

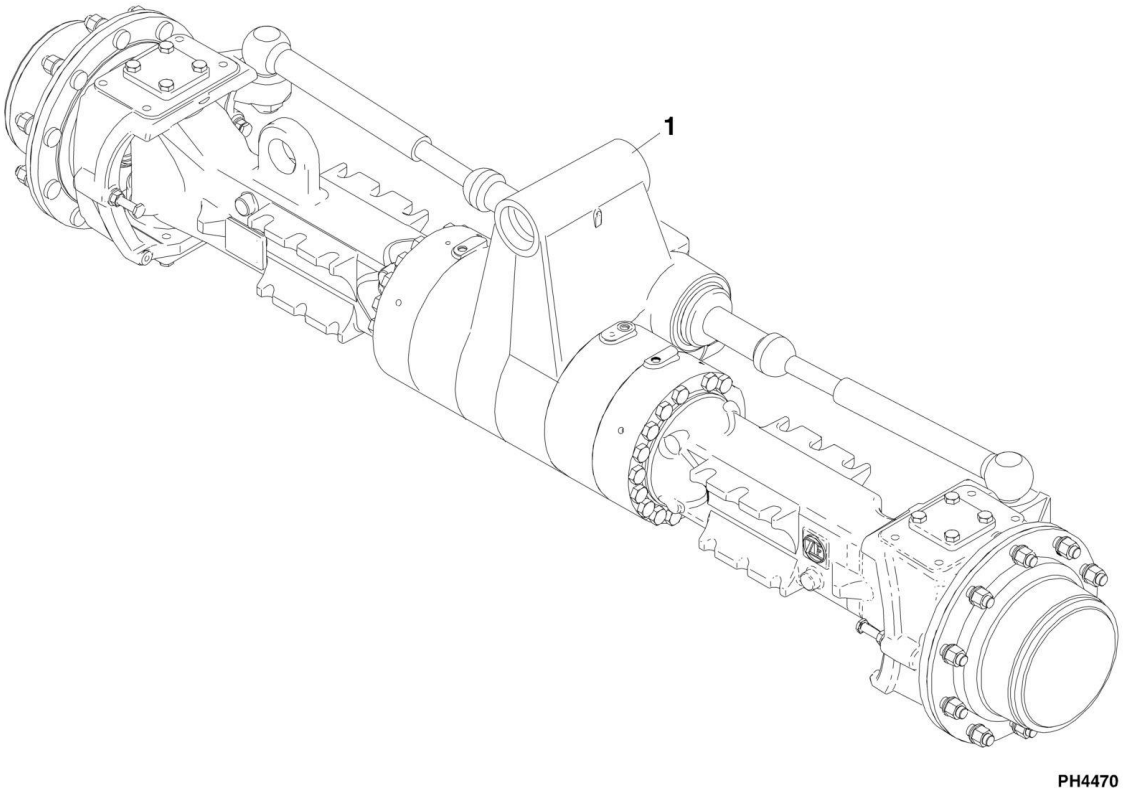


FIGURE 5-3. FRONT AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8040263	1	FRONT AXLE, (8042) **(8042 SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)**	
1	1001103628	1	FRONT AXLE, (8042) **(8042 SN 0160038967 through 0160045249; Including 0160045255, Excluding 0160038971, 0160038984, 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
1	8040271	1	FRONT AXLE, (10042,10054) **(10042 SN 0160002332 through 0160038368; 10054 SN 0160002332 through 0160038740; Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
1	1001103629	1	FRONT AXLE, (10042,10054) **(10042 SN 0160038368 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160038375, 0160038378, 0160038379, 0160038381, 0160038383, 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
1		Ref	INPUT, (See FRONT AXLE-INPUT for Breakdown)	
1		Ref	LIMITED SLIP DIFFERENTIAL, (See FRONT AXLE-LIMITED SLIP DIFFERENTIAL for Breakdown)	
1		Ref	AXLE CASING, (See FRONT AXLE-AXLE CASING for Breakdown)	
1		Ref	M-DISC BRAKE, (See FRONT AXLE-M-DISC BRAKE for Breakdown)	
1		Ref	BRAKE, (See FRONT AXLE-BRAKE for Breakdown)	
1		Ref	JOINT HOUSING, (See FRONT AXLE-JOINT HOUSING for Breakdown)	
1		Ref	PLANETARY DRIVE, (See FRONT AXLE-PLANETARY DRIVE for Breakdown)	

FIGURE 5-4. FRONT AXLE - INPUT (8042 SN 13198 through 19987, SN 0160002332 through 0160038967, Including 0160038971 and 0160038984; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368, Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)

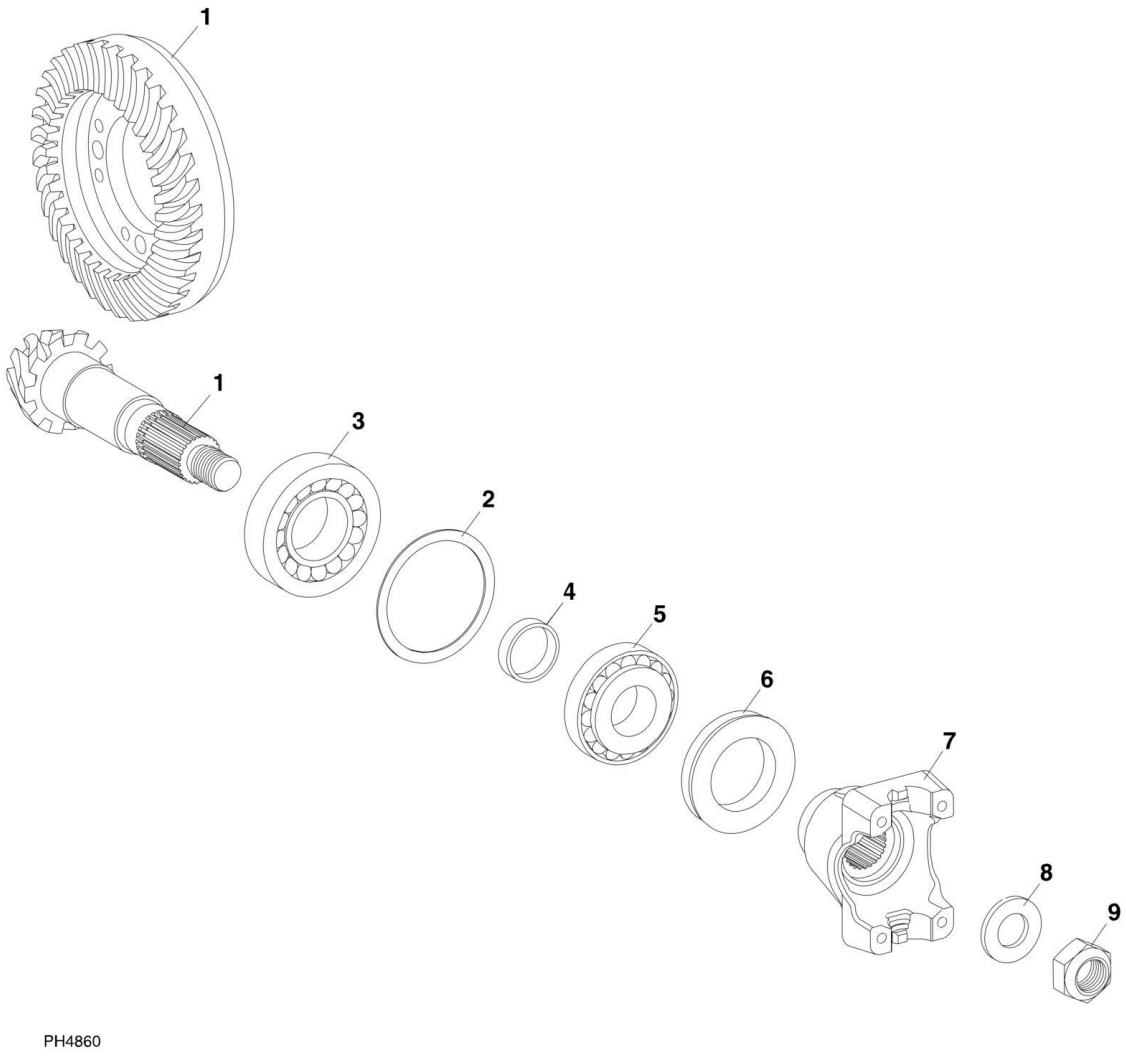


FIGURE 5-4. FRONT AXLE - INPUT (8042 SN 13198 through 19987, SN 0160002332 through 0160038967, Including 0160038971 and 0160038984; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368, Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - INPUT**	
	8040263	REF	FRONT AXLE - INPUT **(8042 SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)**	
	8040271	REF	FRONT AXLE - INPUT **(10042 SN 0160002332 through 0160038368; 10054 SN 0160002332 through 0160038740; Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)**	
1	1321230	1	BEVEL GEAR SET	
2	1321187	1	SHIM, S=1.5	
2	8035871	1	SHIM, S=0.9	
2	8035872	1	SHIM, S=0.95	
2	8035873	1	SHIM, S=1.0	
2	1321186	1	SHIM, S=1.05	
2	8035874	1	SHIM, S=1.1	
2	8035875	1	SHIM, S=1.15	
2	1321185	1	SHIM, S=1.2	
2	8035876	1	SHIM, S=1.25	
2	8035877	1	SHIM, S=1.3	
2	1321189	1	SHIM, S=0.7	
2	8035878	1	SHIM, S=0.75	
2	8035879	1	SHIM, S=0.8	
2	1321190	1	SHIM, S=0.85	
3	1321213	1	ROLLER BEARING	
4	8035881	1	RING, S=11.30	
4	8035882	1	RING, S=11.33	
4	8035883	1	RING, S=11.36	
4	8035884	1	RING, S=11.39	
4	8035885	1	RING, S=11.42	
4	8035886	1	RING, S=11.45	
4	1321196	1	RING, S=11.48	
4	8035887	1	RING, S=11.51	
4	8035888	1	RING, S=11.54	
4	8035889	1	RING, S=11.57	
4	8035890	1	RING, S=11.60	
4	8035891	1	RING, S=11.63	
4	1321197	1	RING, S=11.66	
4	8035892	1	RING, S=11.69	
4	8035893	1	RING, S=11.72	
4	8035894	1	RING, S=11.75	
4	8035895	1	RING, S=11.78	
4	8035896	1	RING, S=11.81	
4	1321198	1	RING, S=11.84	
4	8035897	1	RING, S=11.87	
4	8035898	1	RING, S=11.90	
4	8035899	1	RING, S=11.93	
4	8035900	1	RING, S=11.96	
4	8035901	1	RING, S=11.99	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
4	8035902	1	RING, S=12.02	
4	1321199	1	RING, S=12.05	
4	8035903	1	RING, S=12.08	
4	8035904	1	RING, S=12.11	
4	8035905	1	RING, S=12.14	
4	8035906	1	RING, S=12.17	
4	8036841	1	RING, S=12.20	
4	8035907	1	RING, S=12.23	
4	8035908	1	RING, S=12.26	
4	8035909	1	RING, S=12.29	
4	8035910	1	RING, S=12.32	
4	8035911	1	RING, S=12.35	
4	1321201	1	RING, S=12.38	
4	8035912	1	RING, S=11.27	
4	1321204	1	RING, S=11.24	
4	8035913	1	RING, S=11.21	
4	8035914	1	RING, S=11.18	
4	8035915	1	RING, S=11.15	
4	8035916	1	RING, S=11.12	
4	1321203	1	RING, S=11.09	
4	8035917	1	RING, S=11.06	
4	8035918	1	RING, S=11.03	
4	8035919	1	RING, S=11.00	
4	8035920	1	RING, S=10.97	
4	1321202	1	RING, S=10.94	
5	1321212	1	ROLLER BEARING	
6	1321210	1	COMBINATION RING	
7	1321248	1	END YOKE	
8	1321194	1	WASHER	
9	8035921	1	HEX NUT	

FIGURE 5-5. FRONT AXLE - INPUT (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

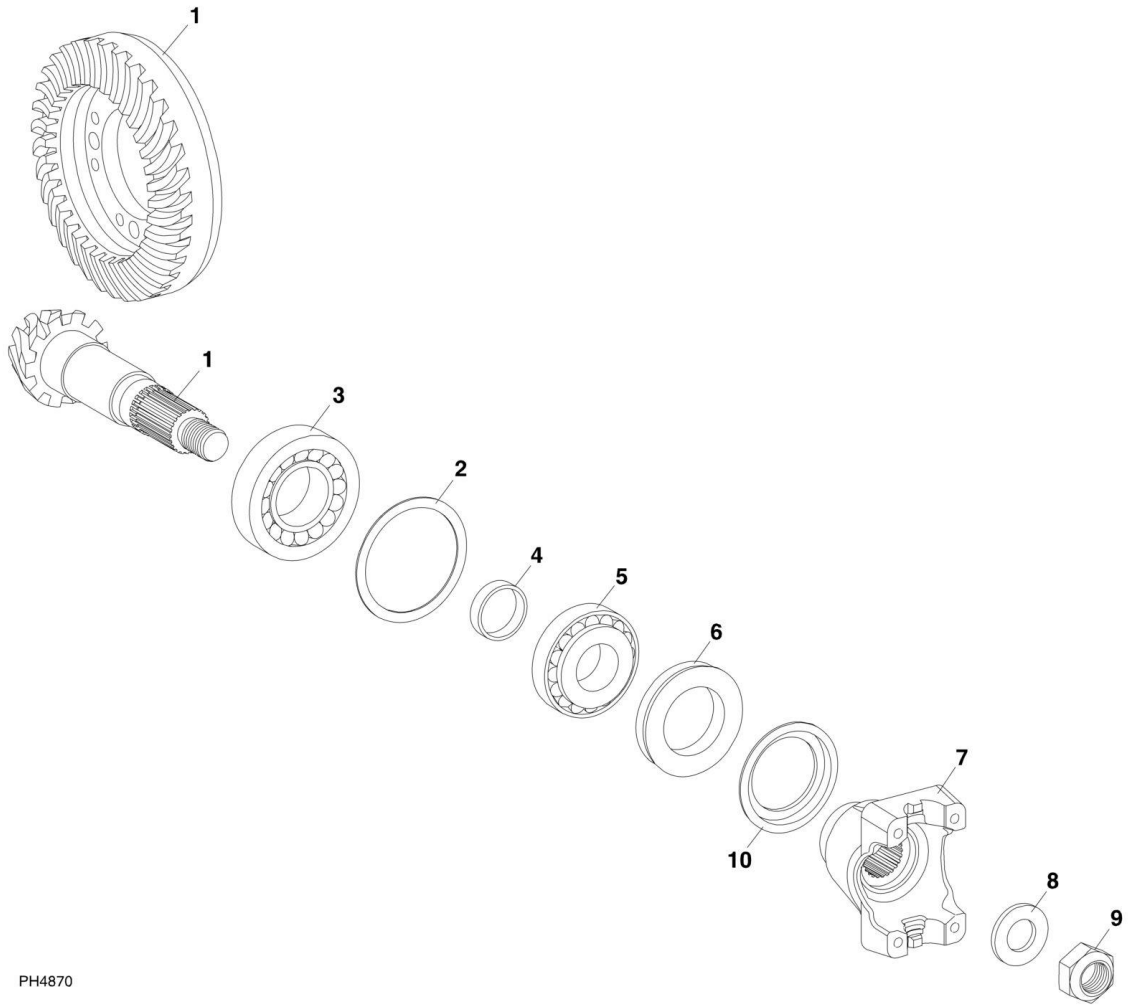


FIGURE 5-5. FRONT AXLE - INPUT (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - INPUT**	
	1001103628	REF	FRONT AXLE - INPUT **(8042 SN 0160038967 through 0160045249; Including 0160045255)**	
	1001103629	REF	FRONT AXLE - INPUT **(10042 SN 0160038368 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
1	70022232	1	BEVEL GEAR SET (8042)	
1	70022272	1	BEVEL GEAR SET (10042,10054)	
2	80304160	1	SHIM, S=0.1	
2	80304159	1	SHIM, S=0.2	
2	80304158	1	SHIM, S=0.3	
2	80304157	1	SHIM, S=0.5	
2	80304156	1	SHIM, S=0.6	
2	80304162	1	SHIM, S=0.65	
2	80304155	1	SHIM, S=0.7	
2	80304161	1	SHIM, S=0.75	
2	80304154	1	SHIM, S=0.8	
2	80304153	1	SHIM, S=0.9	
2	80304152	1	SHIM, S=1.0	
2	80304146	1	SHIM, S=1.2	
2	80304163	1	SHIM, S=1.25	
2	80304151	1	SHIM, S=1.3	
2	80304164	1	SHIM, S=1.35	
2	80304150	1	SHIM, S=1.4	
2	80304165	1	SHIM, S=1.45	
2	80304145	1	SHIM, S=1.5	
2	80304166	1	SHIM, S=1.55	
2	80304149	1	SHIM, S=1.6	
2	80304167	1	SHIM, S=1.65	
2	80304148	1	SHIM, S=1.7	
2	80304168	1	SHIM, S=1.75	
2	80304144	1	SHIM, S=1.8	
2	80304169	1	SHIM, S=1.85	
2	80304147	1	SHIM, S=1.9	
2	80304143	1	SHIM, S=2.0	
3	70022231	1	ROLLER BEARING	
4	80304088	1	RING, S=16.0	
4	80304089	1	RING, S=16.1	
4	80304090	1	RING, S=16.2	
4	80304091	1	RING, S=16.3	
4	80304092	1	RING, S=16.4	
4	80304093	1	RING, S=16.5	
4	80304110	1	RING, S=16.56	
4	80304094	1	RING, S=16.6	
4	80304111	1	RING, S=16.62	
4	80304112	1	RING, S=16.64	
4	80304124	1	RING, S=16.66	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
4	80304113	1	RING, S=16.68	
4	80304095	1	RING, S=16.7	
4	70022216	1	RING, S=16.72	
4	80304115	1	RING, S=16.74	
4	80304117	1	RING, S=16.76	
4	80304118	1	RING, S=16.78	
4	80304096	1	RING, S=16.8	
4	80304119	1	RING, S=16.82	
4	80304120	1	RING, S=16.84	
4	80304104	1	RING, S=16.86	
4	80304121	1	RING, S=16.88	
4	80304122	1	RING, S=16.9	
4	80304097	1	RING, S=16.92	
4	80304123	1	RING, S=16.94	
4	80304125	1	RING, S=16.96	
4	80304107	1	RING, S=16.98	
4	80304126	1	RING, S=17.0	
4	80304127	1	RING, S=17.02	
4	80304108	1	RING, S=17.04	
4	80304128	1	RING, S=17.06	
4	80304129	1	RING, S=17.08	
4	80304099	1	RING, S=17.10	
4	80304130	1	RING, S=17.12	
4	80304131	1	RING, S=17.14	
4	80304132	1	RING, S=17.16	
4	80304133	1	RING, S=17.18	
4	80304100	1	RING, S=17.2	
4	80304134	1	RING, S=17.22	
4	80304135	1	RING, S=17.24	
4	80304136	1	RING, S=17.26	
4	80304137	1	RING, S=17.28	
4	80304101	1	RING, S=17.3	
4	80304102	1	RING, S=17.4	
5	1319353	1	ROLLER BEARING	
6	70022220	1	SHAFT SEAL	
7	70022245	1	END YOKE	
8	80304082	1	WASHER	
9	70022213	1	HEX NUT	
10	70022244	1	SCREEN SHEET	

FIGURE 5-6. FRONT AXLE - LIMITED SLIP DIFFERENTIAL (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

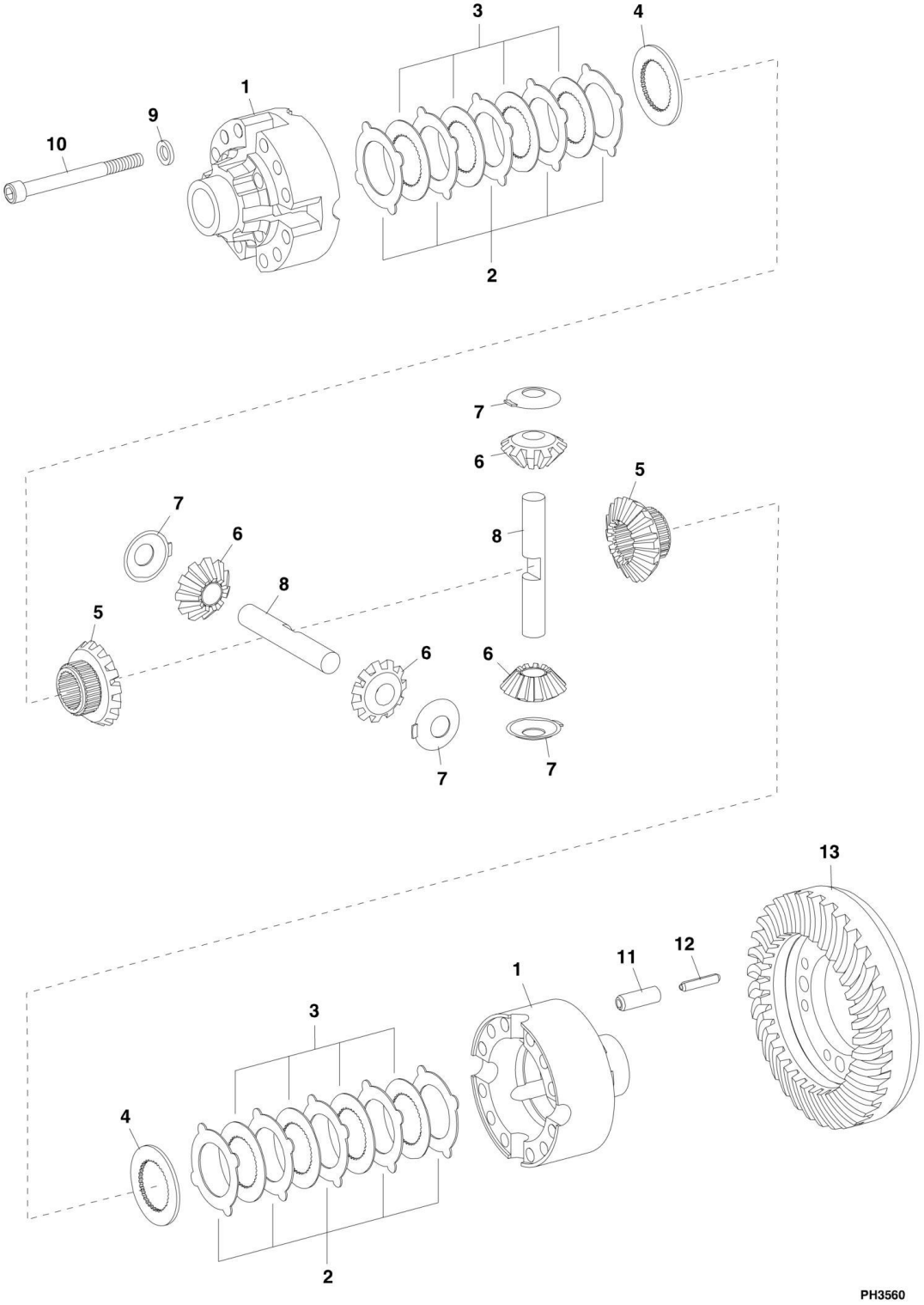


FIGURE 5-6. FRONT AXLE - LIMITED SLIP DIFFERENTIAL (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - LIMITED SLIP DIFFERENTIAL**	
	8040263	REF	FRONT AXLE - LIMITED SLIP DIFFERENTIAL **(8042 SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)**	
	8040271	REF	FRONT AXLE - LIMITED SLIP DIFFERENTIAL **(10042 SN 0160002332 through 0160038368; 10054 SN 0160002332 through 0160038740; Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)**	
1	1321215	1	DIFFERENTIAL CASE	
2	1321219	10	O. CLUTCH DISC, A=1.2	
2	1321220	10	O. CLUTCH DISC, A=1.3	
2	1321221	10	O. CLUTCH DISC, A=1.4	
3	1321218	8	I. CLUTCH DISC	
4	1321217	2	PRESSURE DISC	
5	8036842	2	AXLE BEVEL GEAR	
6	1319414	4	DIFFERENTIAL BEVEL GEAR	
7	1319415	4	THRUST WASHER	
8	1321225	2	DIFFERENTIAL AXLE	
9	1321184	12	WASHER	
10	8035923	12	CAPSCREW	
11	1321153	4	SLOTTED PIN	
12	1321154	4	LOCK PIN	
13		Ref	BEVEL GEAR SET, (See FRONT AXLE-INPUT for Breakdown)	

FIGURE 5-7. FRONT AXLE - LIMITED SLIP DIFFERENTIAL (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

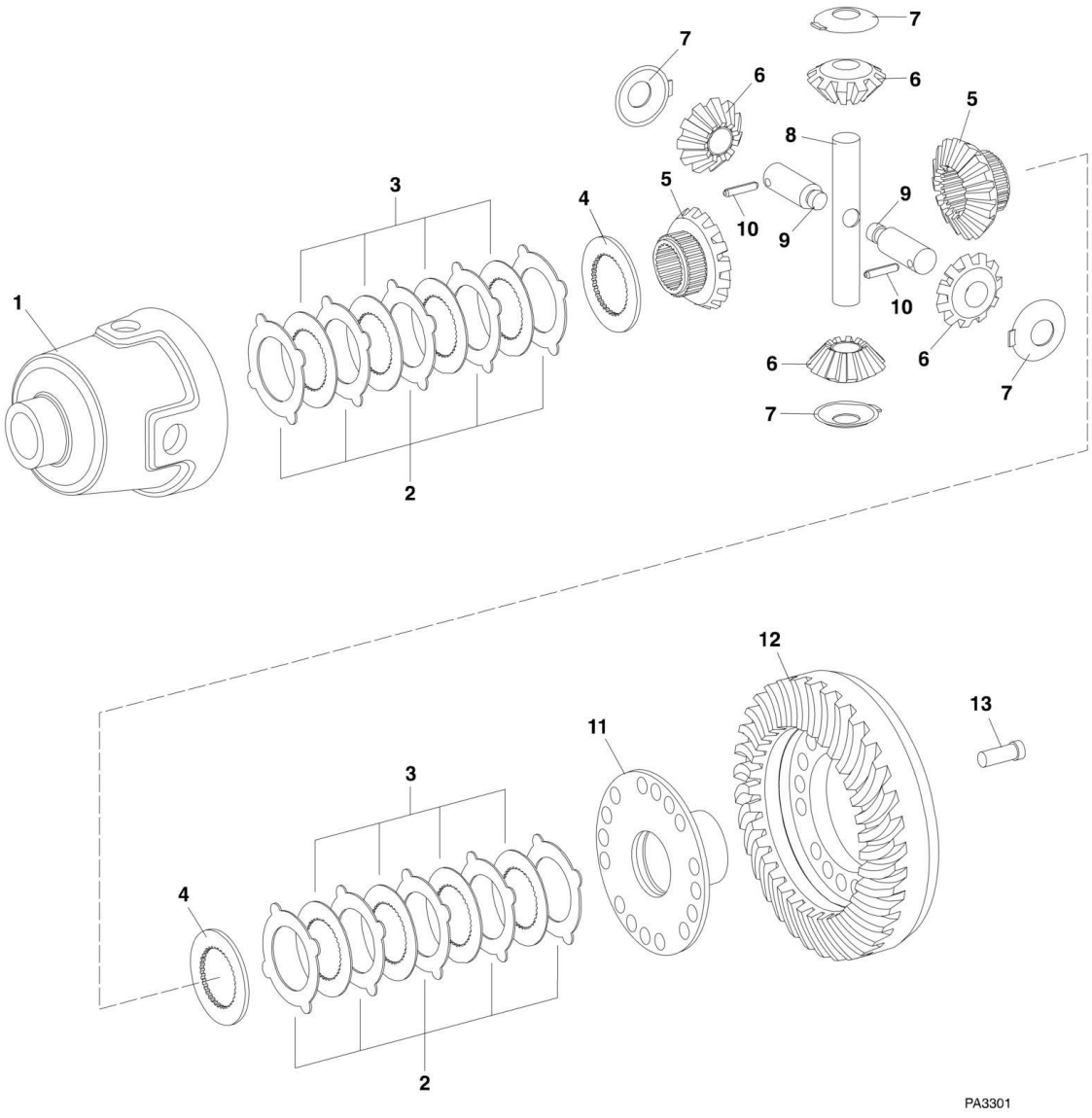
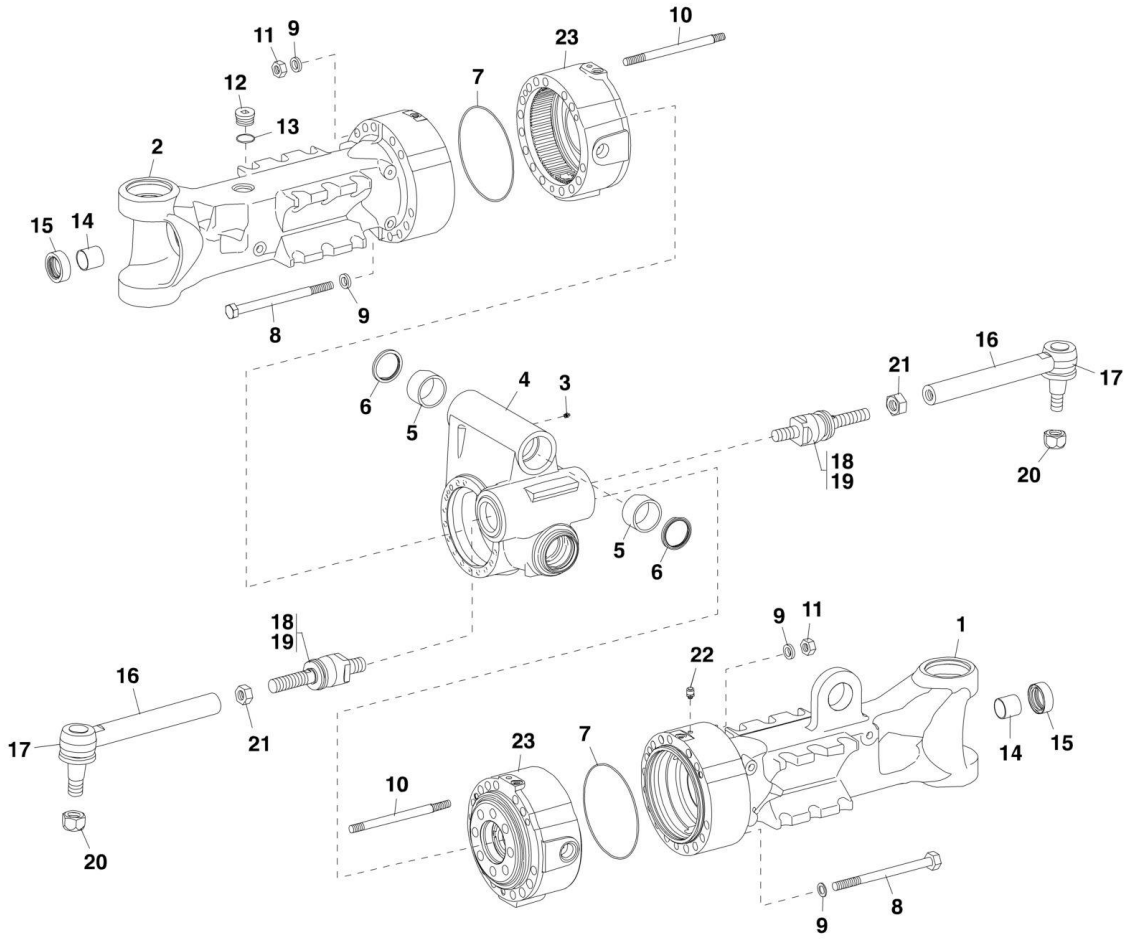
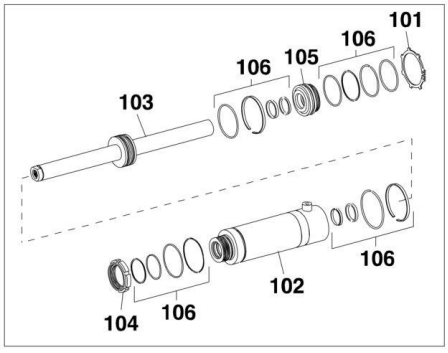


FIGURE 5-7. FRONT AXLE - LIMITED SLIP DIFFERENTIAL (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

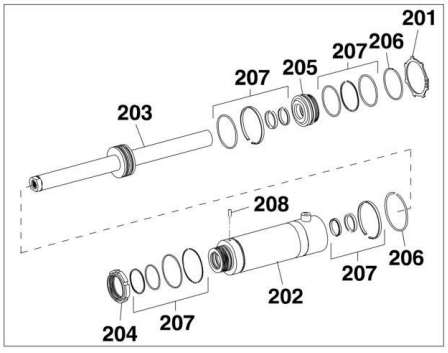
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - LIMITED SLIP DIFFERENTIAL**	
	1001103628	REF	FRONT AXLE - LIMITED SLIP DIFFERENTIAL **(8042 SN 0160038967 through 0160045249; Including 0160045255)**	
	1001103629	REF	FRONT AXLE - LIMITED SLIP DIFFERENTIAL **(10042 SN 0160038368 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
1	70022226	NLA	DIFFERENTIAL CASE, (no longer available, Before Axle S/N 2022732 must replace with both 70023910 differential case and qty 2 of 70023904 slotted pins)	
1	70023910	1	DIFFERENTIAL CASE, (Axle) **(SN 2022732 to Present)**	
2	70022263	10	O. CLUTCH DISC, A=1.2	
2	70022264	10	O. CLUTCH DISC, A=1.3	
3	70022260	8	I. CLUTCH DISC	
4	70022261	2	PRESSURE DISC	
5	70022225	2	AXLE BEVEL GEAR	
6	70022185	4	DIFFERENTIAL BEVEL GEAR	
7	70022262	4	THRUST WASHER	
8	70022227	1	DIFFERENTIAL AXLE	
9	70022228	2	DIFFERENTIAL AXLE	
10	70022200	NLA	SLOTTED PIN, (no longer available, Before Axle S/N 2022732 must replace with both 70023910 differential case and qty 2 of 70023904 slotted pins)	
10	70023904	2	SLOTTED PIN, (Axle) **(SN 2022732 to Present)**	
11	70022229	1	COVER	
12		Ref	BEVEL GEAR SET, (See FRONT AXLE-INPUT for Breakdown)	
13	70022211	16	CAP SCREW, M12X1.5X35	

FIGURE 5-8. FRONT AXLE - AXLE CASING (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)





8042 PRIOR TO AXLE S/N 828785
10042 PRIOR TO AXLE S/N 1285172
10054 PRIOR TO AXLE S/N 1285172



8042 AXLE S/N 828785 TO PRESENT
10042 AXLE S/N 1285172 TO PRESENT
10054 AXLE S/N 1285172 TO PRESENT

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FIGURE 5-8. FRONT AXLE - AXLE CASING (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - AXLE CASING**	
	8040263	REF	FRONT AXLE - AXLE CASING (8042) **(8042 SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)**	
	8040271	REF	FRONT AXLE - AXLE CASING (10042,10054) **(10042 SN 0160002332 through 0160038368; 10054 SN 0160002332 through 0160038740; Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)**	
1	8035924	1	RIGHT AXLE CASING	
2	8035925	1	LEFT AXLE CASING	
3	1319423	1	LUBRICATION NIPPLE	
4	1321253	1	AXLE DRIVE HOUSING	
5	1321234	2	BUSHING	
6	1321209	2	SEAL	
7	1319425	2	O-Ring	
8	8035927	22	HEX SCREW	
9	8036312	30	WASHER	
10	8036313	6	STUD	
11	1319429	6	HEX NUT	
12	1319506	1	SCREW PLUG	
13	8036331	2	O-Ring	
14	1319433	2	BUSHING	
15	7027211	2	SHAFT SEAL	
16	1321148	2	ROD TRACK, (items 17 thru 21)	
17	8036756	2	BALL JOINT	
18	8036757	2	AXLE JOINT, (includes item 19)	
19	7029418	2	SEAL	
20	8036758	2	LOCKNUT	
21	8036759	2	HEX NUT	
22	1319436	1	BREATHER	
23		Ref	BRAKE HOUSING, (See FRONT AXLE-M-DISC BRAKE for Breakdown)	
	1321149	NLA	STEERING CYLINDER (includes items 101 thru 106), (no longer available, use 70021617 for replacement) (10042,10054,8042) **(8042 Prior to SN 828785; 10042 Prior to SN 1285172; 10054 Prior to SN 1285172)**	
	70021617	1	STEERING CYLINDER (includes items 201 thru 208) (10042,10054,8042) **(8042 SN 828785 to Present; 10042 SN 1285172 to Present; 10054 SN 1285172 to Present)**	
101	8035978	NLA	L-RING, (no longer available, use 70021617 for replacement)	
102	8036440	NLA	TUBE WELDMENT, (no longer available, use 70021617 for replacement)	
103	8036439	NLA	PISTON ROD, (no longer available, use 70021617 for replacement)	
104	8035998	1	SLOTTED NUT	
105	8035980	NLA	GUIDE PIECE, (no longer available, use 70021617 for replacement)	
106	8035981	1	SEAL KIT	
201	70021571	1	L-RING	
202	NSS	1	CYLINDER TUBE	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
203	70021568	1	PISTON ROD	
204	70021570	1	SLOTTED NUT	
205	70021569	1	GUIDE PIECE	
206	70021726	2	RETAINING RING	
207	70021495	1	SEAL KIT	
208	70022610	1	SLOTTED PIN	

FIGURE 5-9. FRONT AXLE - AXLE CASING (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

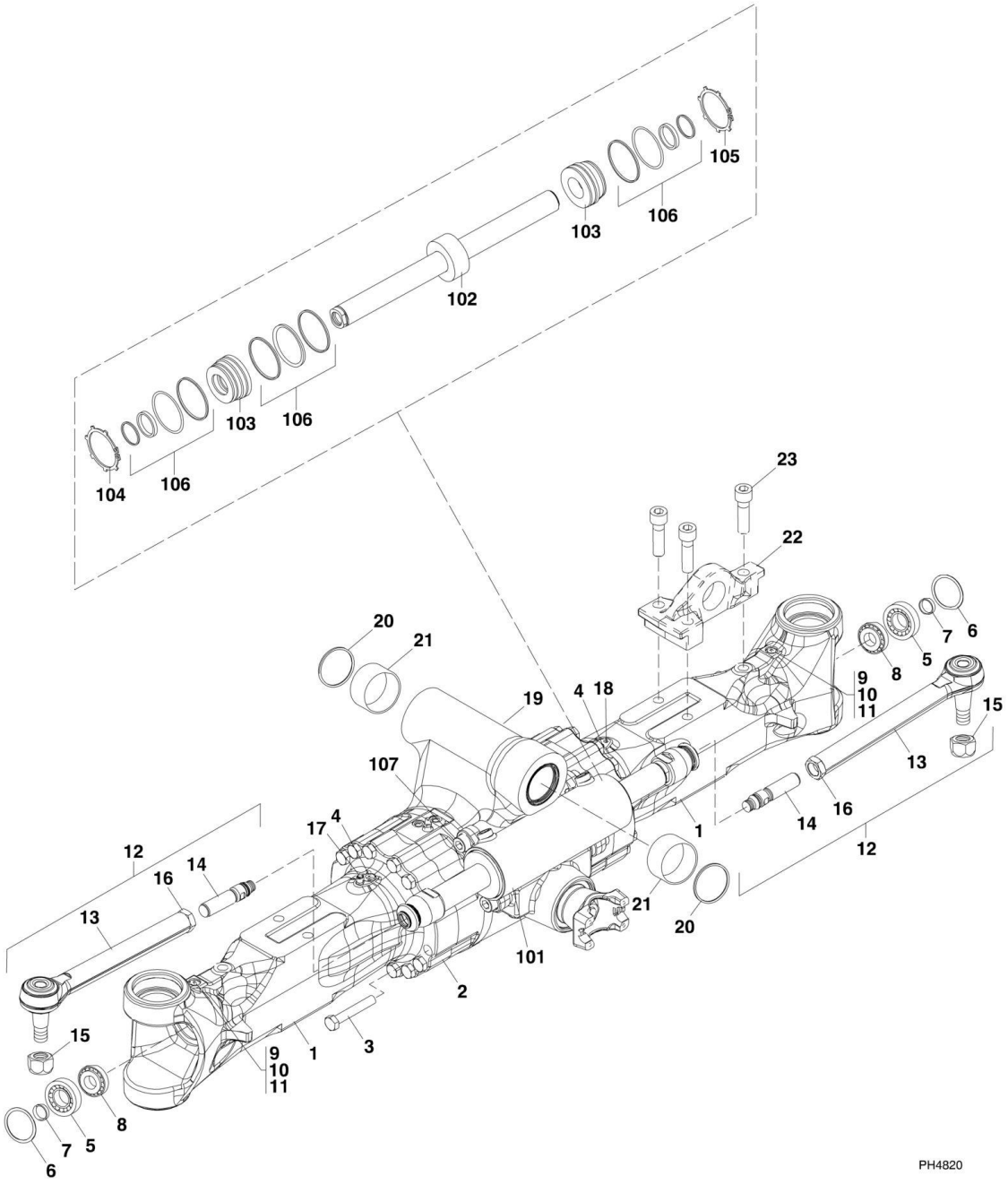


FIGURE 5-9. FRONT AXLE - AXLE CASING (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - AXLE CASING**	
	1001103628	REF	FRONT AXLE - AXLE CASING (8042) **(8042 SN 0160038967 through 0160045249; Including 0160045255)**	
	1001103629	REF	FRONT AXLE - AXLE CASING (10042,10054) **(10042 SN 0160038368 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
1	70022255	2	AXLE CASING	
2	70022277	1	AXLE DRIVE HOUSING	
3	70022206	28	HEX HD CAPSCREW, M18X180	
4	1319578	4	SCREW PLUG	
5	70022241	2	BUSHING	
6	70022204	2	O-RING	
7	70022217	2	SHAFT SEAL	
8	10731790	2	BEARING	
9	70022201	2	SET SCREW, M10X1X16	
10	1319666	2	SCREW PLUG	
11	7027217	2	O-RING	
12	70022174	2	TIE ROD, (includes items 13 thru 16)	
13	70022175	1	BALL JOINT	
14	70022172	1	AXIAL JOINT	
15	8036758	1	LOCKNUT	
16	8036759	1	HEX NUT	
17	1319436	1	BREATHER	
18	8036418	1	SCREW PLUG	
19	1319423	1	GREASE FITTING	
20	1321234	2	BUSHING	
21	1321209	2	SHAFT SEAL	
22	70022254	1	BRACKET	
23	1001103619	3	HEX HD CAPSCREW, M22X1.5X80	
101	70022173	1	STEERING CYLINDER, (includes items 102 thru 106)	
102	70022177	1	PISTON ROD	
103	70022184	2	BREAK HEAD	
104	70022181	2	RETAINING RING	
105	70022180	2	RETAINING RING	
106	70022178	1	SEAL KIT	
107	70022210	4	CAPSCREW, M22X1.5X55	

FIGURE 5-10. FRONT AXLE - M-DISC BRAKE (8042) (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)

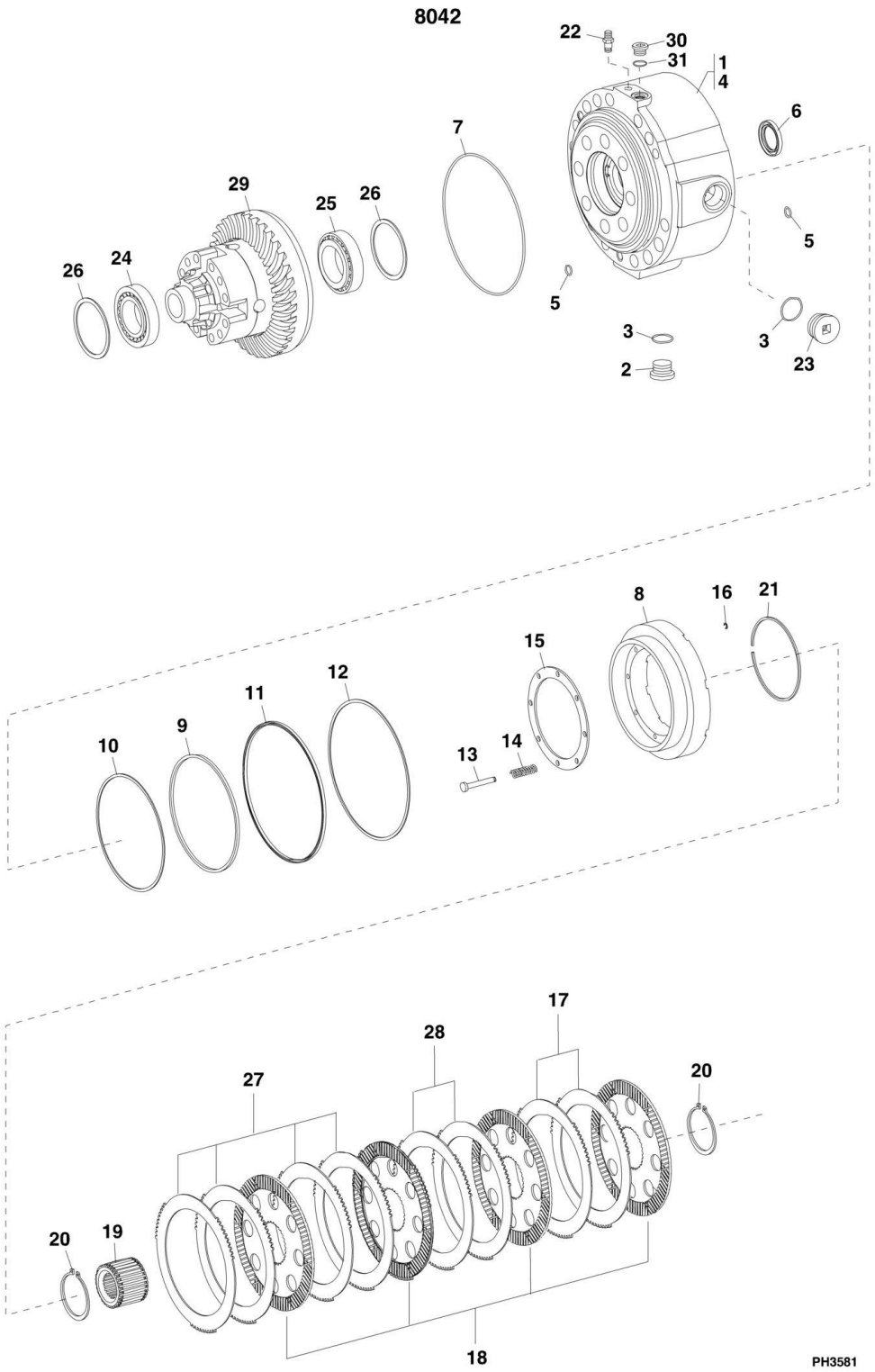


FIGURE 5-10. FRONT AXLE - M-DISC BRAKE (8042) (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040263	REF	FRONT AXLE - M-DISC BRAKE **(8042 SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)**	
1	NLA	Ref	BRAKE HOUSING, (right side), (Axle), (see note N1) **(Prior to SN 675668)**	
1	70020483	1	BRAKE HOUSING, (right side), (Axle) **(SN 675668 to Present)**	
2	1319431	2	SCREW PLUG	
3	8036331	4	O-RING	
4	NLA	Ref	BRAKE HOUSING, (left side), (Axle), (see note N1) **(Prior to SN 675668)**	
4	70020484	1	BRAKE HOUSING, (left side), (Axle) **(SN 675668 to Present)**	
5	1319491	12	O-RING	
6	8036444	2	SHAFT SEAL	
7	1319425	2	O-RING	
8	8036304	2	PISTON	
9	1321162	2	U-RING	
10	1321151	2	SUPPORT RING	
11	1321163	2	U-RING	
12	1321152	2	SUPPORT RING	
13	1319496	16	PIN	
14	1319497	16	COMPRESSION SPRING	
15	8036305	2	WASHER	
16	1319499	16	CRESCENT RING	
17	1319500	4	O. CLUTCH DISC, S=2, (Axle) **(Prior to SN 675668)**	
17	70020485	4	O. CLUTCH DISC, S=2, (Axle) **(SN 675668 to Present)**	
17	1319501	4	O. CLUTCH DISC, S=2.5, (Axle) **(Prior to SN 675668)**	
17	70020486	4	O. CLUTCH DISC, S=2.5, (Axle) **(SN 675668 to Present)**	
17	1319502	4	O. CLUTCH DISC, S=3, (Axle) **(Prior to SN 675668)**	
17	70020487	4	O. CLUTCH DISC, S=3, (Axle) **(SN 675668 to Present)**	
18	1321150	8	I. CLUTCH DISC, (Axle) **(Prior to SN 823842)**	
18	70020408	3	I. CLUTCH DISC, (Axle) **(SN 823842 to Present)**	
19	1321174	2	DISC CARRIER, (Axle) **(Prior to SN 823842)**	
19	70020409	1	DISC CARRIER, (Axle) **(SN 823842 to Present)**	
20	10731949	4	RETAINING RING	
21	1319504	2	SNAP RING	
22	1319505	2	BREATHER	
23	1319506	2	SCREW PLUG	
24	8036445	1	TA ROLLER BEARING	
25	8036447	1	ROLLER BEARING	
26	1319531	2	SHIM, A=0.10	
26	8035945	2	SHIM, A=0.15	
26	1319530	2	SHIM, A=0.20	
26	8035946	2	SHIM, A=0.25	
26	1319529	2	SHIM, A=0.30	
26	8035947	2	SHIM, A=0.35	
26	8035951	2	SHIM, A=0.40	
26	1319543	2	SHIM, A=0.45	
26	1319527	2	SHIM, A=0.50	
26	1321158	2	SHIM, A=0.55	
26	1319526	2	SHIM, A=0.60	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
26	1319532	2	SHIM, A=0.65	
26	1319533	2	SHIM, A=0.70	
26	1319534	2	SHIM, A=0.75	
26	1319525	2	SHIM, A=0.80	
26	1319535	2	SHIM, A=0.85	
26	1319536	2	SHIM, A=0.90	
26	1319537	2	SHIM, A=0.95	
26	1319524	2	SHIM, A=1.00	
26	1319545	2	SHIM, A=1.05	
26	1319538	2	SHIM, A=1.10	
26	1319539	2	SHIM, A=1.15	
26	1319523	2	SHIM, A=1.20	
26	1319540	2	SHIM, A=1.25	
26	1319541	2	SHIM, A=1.30	
26	1319542	2	SHIM, A=1.35	
26	1319522	2	SHIM, A=1.40	
26	1319521	2	SHIM, A=1.45	
26	1319520	2	SHIM, A=1.50	
26	1319519	2	SHIM, A=1.55	
26	1319518	2	SHIM, A=1.60	
26	1319517	2	SHIM, A=1.65	
26	1319510	2	SHIM, A=2.00	
26	1321159	2	SHIM, A=1.47	
26	8035948	2	SHIM, A=1.63	
26	1319516	2	SHIM, A=1.70	
26	1319515	2	SHIM, A=1.75	
26	1319514	2	SHIM, A=1.80	
26	1319513	2	SHIM, A=1.85	
26	1319512	2	SHIM, A=1.90	
26	1319511	2	SHIM, A=1.95	
27	1319502	8	O. CLUTCH DISC, S=3, (Axle) **(Prior to SN 675668)**	
27	70020487	8	O. CLUTCH DISC, S=3, (Axle) **(SN 675668 to Present)**	
28	1319501	4	O. CLUTCH DISC, S=2.5, (Axle) **(Prior to SN 675668)**	
28	70020486	4	O. CLUTCH DISC, S=2.5, (Axle) **(SN 675668 to Present)**	
29		Ref	BEVEL GEAR SET, (See FRONT AXLE-INPUT for Breakdown)	
30	1319666	2	SCREW PLUG	
31	7027217	2	O-RING	
N1	Note	NLA	PARTS ARE NO LONGER AVAILABLE; ORDER BRAKE HOUSINGS 70020483 AND 70020484, QUANTITY REQUIRED OF OUTER DISCS 70020485, 70020486 AND 70020487, QUANTITY 2 OF 70020413 END PLATES	

FIGURE 5-11. FRONT AXLE - M-DISC BRAKE (10042,10054) (10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

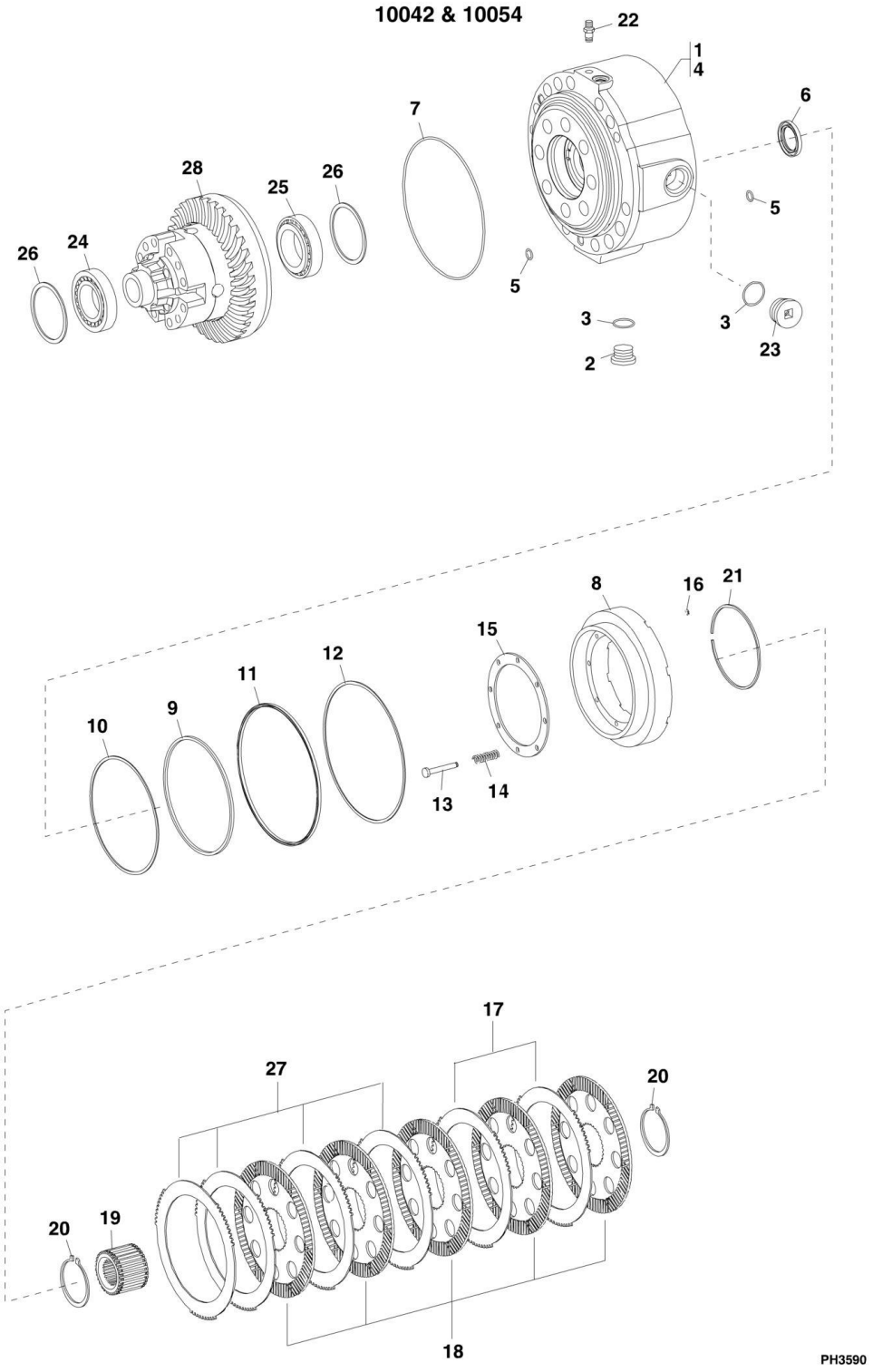


FIGURE 5-11. FRONT AXLE - M-DISC BRAKE (10042,10054) (10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040271	REF	FRONT AXLE - M-DISC BRAKE **(10042 SN 0160002332 through 0160038368; 10054 SN 0160002332 through 0160038740; Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)**	
1	NLA	Ref	BRAKE HOUSING, (right side), (Axle), (see note N1) **(Prior to SN 679304)**	
1	70020483	1	BRAKE HOUSING, (right side), (Axle) **(SN 679304 to Present)**	
2	1319431	2	SCREW PLUG	
3	8036331	4	O-RING	
4	NLA	Ref	BRAKE HOUSING, (left side), (Axle), (see note N1) **(Prior to SN 679304)**	
4	70020484	1	BRAKE HOUSING, (left side), (Axle) **(SN 679304 to Present)**	
5	1319491	12	O-RING	
6	8036444	2	SHAFT SEAL	
7	1319425	2	O-RING	
8	8036304	2	PISTON	
9	1321162	2	U-RING	
10	1321151	2	SUPPORT RING	
11	1321163	2	U-RING	
12	1321152	2	SUPPORT RING	
13	1319496	16	PIN	
14	1319497	16	COMPRESSION SPRING	
15	8036305	2	WASHER	
16	1319499	16	CRESCENT RING	
17	1319500	4	O. CLUTCH DISC, S=2.0, (Axle) **(Prior to SN 679304)**	
17	70020485	4	O. CLUTCH DISC, S=2.0, (Axle) **(SN 679304 to Present)**	
17	1319501	4	O. CLUTCH DISC, S=2.5, (Axle) **(Prior to SN 679304)**	
17	70020486	4	O. CLUTCH DISC, S=2.5, (Axle) **(SN 679304 to Present)**	
17	1319502	4	O. CLUTCH DISC, S=3.0, (Axle) **(Prior to SN 679304)**	
17	70020487	4	O. CLUTCH DISC, S=3.0, (Axle) **(SN 6794304 to Present)**	
18	1321150	10	I. CLUTCH DISC, (Axle) **(Prior to SN 823842)**	
18	70020408	10	I. CLUTCH DISC, (Axle) **(SN 823842 to Present)**	
19	1321174	2	DISC CARRIER, (Axle) **(Prior to SN 823842)**	
19	70020409	2	DISC CARRIER, (Axle) **(SN 823842 to Present)**	
20	10731949	4	RETAINING RING	
21	1319504	2	SNAP RING	
22	1319505	2	BREATHER	
23	1319506	2	SCREW PLUG	
24	8036445	1	TA ROLLER BEARING	
25	8036447	1	ROLLER BEARING	
26	1319531	2	SHIM, A=0.10	
26	8035945	2	SHIM, A=0.15	
26	1319530	2	SHIM, A=0.20	
26	8035946	2	SHIM, A=0.25	
26	1319529	2	SHIM, A=0.30	
26	8035947	2	SHIM, A=0.35	
26	8035951	2	SHIM, A=0.40	
26	1319543	2	SHIM, A=0.45	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
26	1319527	2	SHIM, A=0.50	
26	1321158	2	SHIM, A=0.55	
26	1319526	2	SHIM, A=0.60	
26	1319532	2	SHIM, A=0.65	
26	1319533	2	SHIM, A=0.70	
26	1319534	2	SHIM, A=0.75	
26	1319525	2	SHIM, A=0.80	
26	1319535	2	SHIM, A=0.85	
26	1319536	2	SHIM, A=0.90	
26	1319537	2	SHIM, A=0.95	
26	1319524	2	SHIM, A=1.00	
26	1319545	2	SHIM, A=1.05	
26	1319538	2	SHIM, A=1.10	
26	1319539	2	SHIM, A=1.15	
26	1319523	2	SHIM, A=1.20	
26	1319540	2	SHIM, A=1.25	
26	1319541	2	SHIM, A=1.30	
26	1319542	2	SHIM, A=1.35	
26	1319522	2	SHIM, A=1.40	
26	1319521	2	SHIM, A=1.45	
26	1319520	2	SHIM, A=1.50	
26	1319519	2	SHIM, A=1.55	
26	1319518	2	SHIM, A=1.60	
26	1319517	2	SHIM, A=1.65	
26	1319510	2	SHIM, A=2.00	
26	1321159	2	SHIM, A=1.47	
26	8035948	2	SHIM, A=1.63	
26	1319515	2	SHIM, A=1.75	
26	1319516	2	SHIM, A=1.70	
26	1319514	2	SHIM, A=1.80	
26	1319513	2	SHIM, A=1.85	
26	1319512	2	SHIM, A=1.90	
26	1319511	2	SHIM, A=1.95	
27	1319502	8	O. CLUTCH DISC, S=3.0, (Axle) **(Prior to SN 679304)**	
27	70020487	8	O. CLUTCH DISC, S=3.0, (Axle) **(SN 679304 to Present)**	
28		Ref	BEVEL GEAR SET, (See FRONT AXLE-INPUT for Breakdown)	
N1	Note	NLA	PARTS ARE NO LONGER AVAILABLE; ORDER BRAKE HOUSINGS 70020483 AND 70020484, QUANTITY REQUIRED OF OUTER DISCS 70020485, 70020486 AND 70020487, QUANTITY 2 OF 70020413 END PLATES	

FIGURE 5-12. FRONT AXLE - M-DISC BRAKE (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

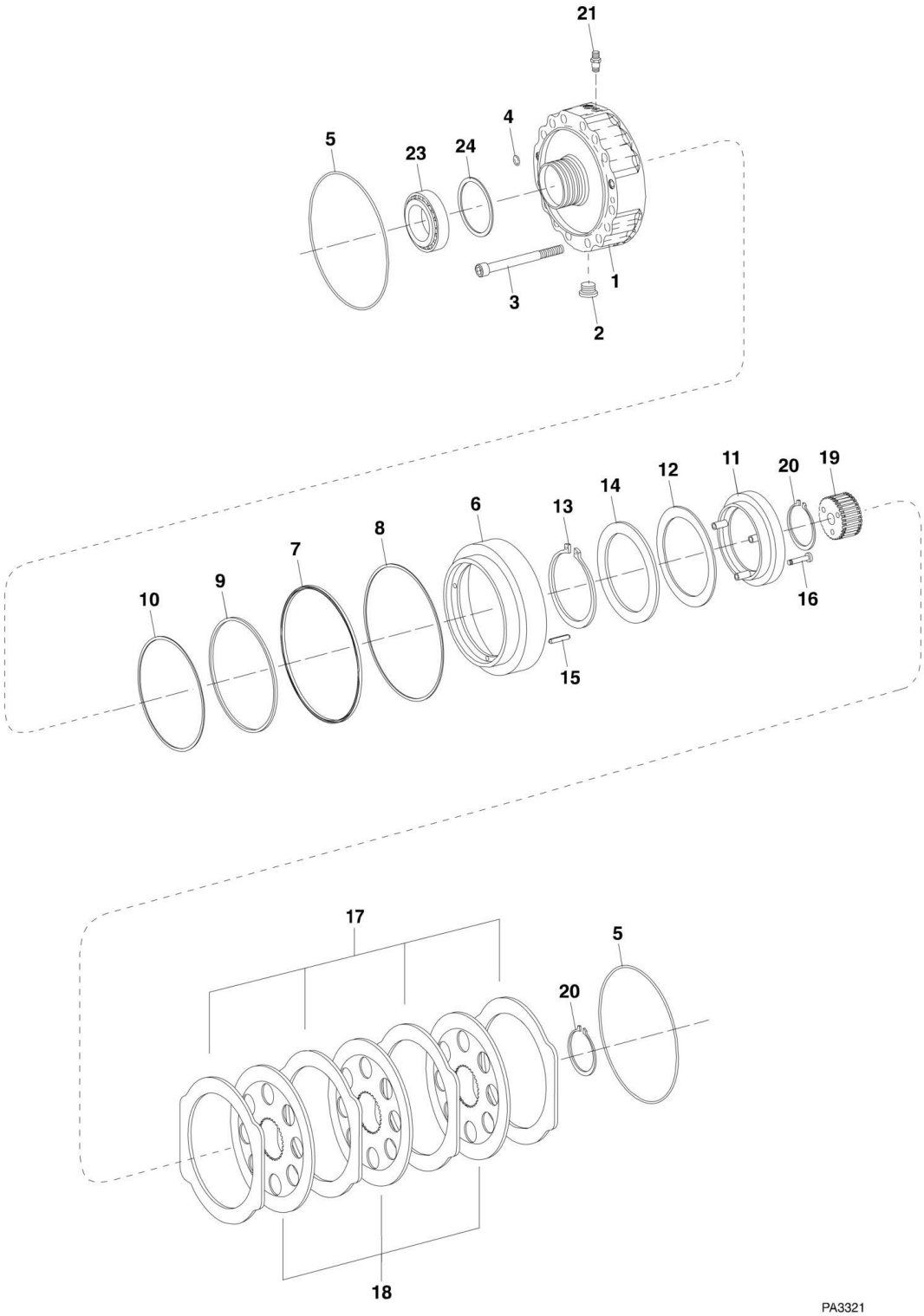


FIGURE 5-12. FRONT AXLE - M-DISC BRAKE (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - M-DISC BRAKE**	
	1001103628	REF	FRONT AXLE - M-DISC BRAKE **(8042 SN 0160038967 through 0160045249; Including 0160045255)**	
	1001103629	REF	FRONT AXLE - M-DISC BRAKE **(10042 SN 0160038368 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
1	70022258	2	BRAKE HOUSING	
2	1319578	2	SCREW PLUG	
3	70022209	6	CAP SCREW, M12X105	
4	8036847	10	O-RING	
5	80304462	4	O-RING	
6	70022275	2	PISTON	
7	70022190	2	PISTON PACKING	
8	70022193	2	BACKUP RING	
9	70022189	2	PISTON PACKING	
10	70022194	2	BACKUP RING	
11	70022236	2	RING	
12	70022183	2	CUP SPRING	
13	70022198	2	RETAINING RING	
14	70022235	2	WASHER	
15	70022186	6	SLOT PIN	
16	1319214	6	CAP SCREW, M8X40	
17	70022196	10	O.CLUTCH DISC	
18	70022176	8	I.CLUTCH DISC	
19	70022253	2	DISC CARRIER	
20	10731949	4	RETAINING RING	
21	70022171	2	BREATHER	
22	70022215	2	SCREW PLUG, (not shown)	
23	8036447	2	BEARING	
24	1319537	2	SHIM, A=0.95	
24	1319545	2	SHIM, A=1.05	
24	1319539	2	SHIM, A=1.15	
24	1319540	2	SHIM, A=1.25	
24	1319542	2	SHIM, A=1.35	

FIGURE 5-13. FRONT AXLE - BRAKE (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

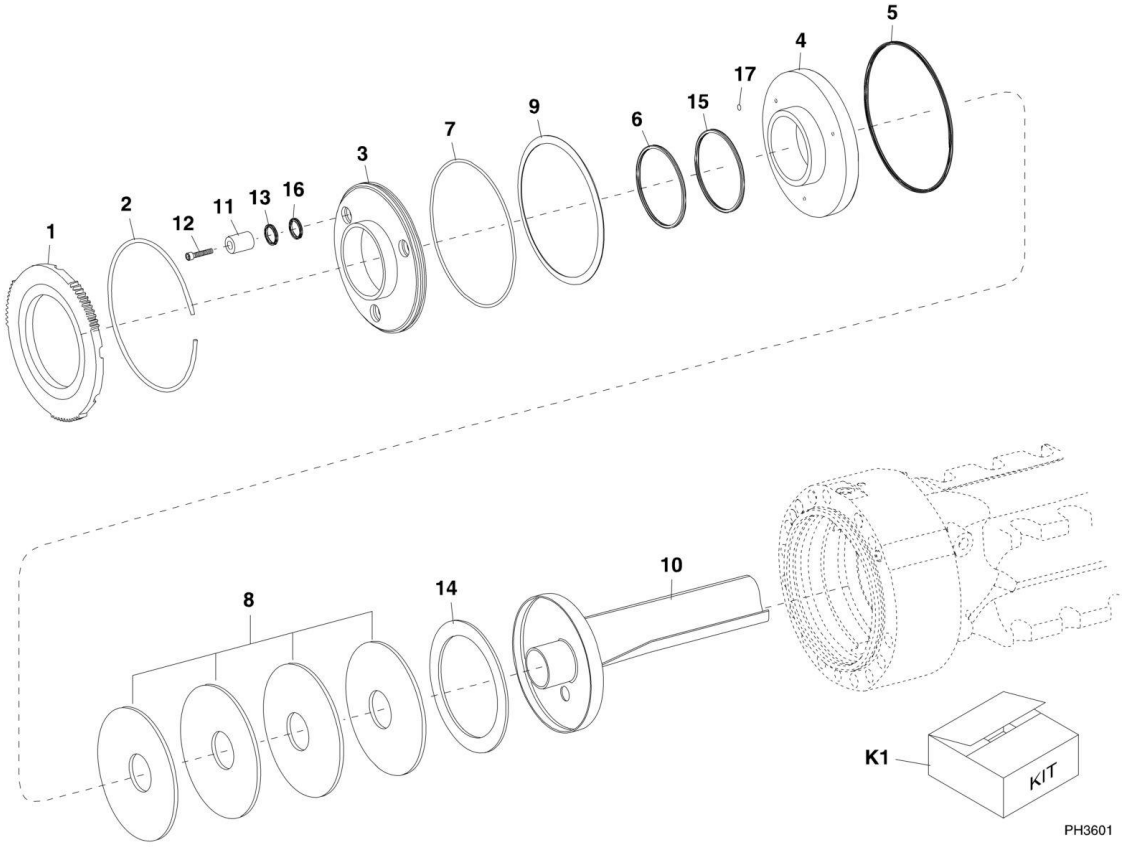


FIGURE 5-13. FRONT AXLE - BRAKE (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - BRAKE**	
	8040263	REF	FRONT AXLE - BRAKE **(8042 SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)**	
	8040271	REF	FRONT AXLE - BRAKE **(10042 SN 0160002332 through 0160038368; 10054 SN 0160002332 through 0160038740; Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)**	
1	Kit	NLA	END SHIM, (Axle), (no longer available, use 7029104 kit for replacement) **(Prior to SN 336083)**	
1	8036848	2	END SHIM (Axle) (10042,10054,8042) **(8042 SN 336083 through 675668; 10042 SN 336083 through 679304; 10054 SN 336083 through 679304)**	
1	70020413	2	END SHIM (Axle) (10042,10054,8042) **(SN 675668 to Present, SN 679304 to Present, SN 679304 to Present)**	
2	1321206	2	SNAP RING	
3	Kit	NLA	SEALING WASHER, (Axle), (no longer available, use 7029104 kit for replacement) **(Prior to SN 336083)**	
3	8036849	2	SEALING WASHER, (Axle) **(SN 336083 to Present)**	
4	Kit	NLA	PISTON, (Axle), (no longer available, use 7029104 kit for replacement) **(Prior to SN 336083)**	
4	7027212	2	PISTON, (Axle) **(SN 336083 to Present)**	
5	Kit	NLA	FOUR-LIP RING, (Axle), (no longer available, use 7029104 kit for replacement) **(Prior to SN 336083)**	
5	8036852	2	U-RING, (Axle) **(SN 336083 to Present)**	
6	Kit	NLA	SUPPORT RING, (Axle), (no longer available, use 7029104 kit for replacement) **(Prior to SN 336083)**	
6	8036855	2	BACKUP RING, (Axle) **(SN 336083 to Present)**	
7	8036320	2	O-RING	
8	1321207	8	CUP SPRING	
9	1321208	2	CUP SPRING	
10	Kit	NLA	OIL DAM, (Axle), (no longer available, use 7029104 kit for replacement) **(Prior to SN 336083)**	
10	8036856	2	OIL DAM, (Axle) **(SN 336083 to Present)**	
11	Kit	NLA	PRESSURE PIN, (Axle), (no longer available, use 7029104 kit for replacement) **(Prior to SN 336083)**	
11	1321244	6	PRESSURE PIN, (Axle) **(SN 336083 to Present)**	
12	8036321	6	CAPSCREW	
13	8036859	6	O-RING	
14	8035958	2	SPACING WASHER	
15	Kit	NLA	FOUR-LIP RING, (Axle), (no longer available, use 7029104 kit for replacement) **(Prior to SN 336083)**	
15	8036854	2	U-RING, (Axle) **(SN 336083 to Present)**	
16	Kit	NLA	FOUR-LIP RING, (Axle), (no longer available, use 7029104 kit for replacement) **(Prior to SN 336083)**	
16	8036861	6	U-RING, (Axle) **(SN 336083 to Present)**	
17	Kit	NLA	SUPPORT RING, (Axle), (no longer available, use 7029104 kit for replacement) **(Prior to SN 336083)**	
17	8036862	6	BACKUP RING, (Axle) **(SN 336083 to Present)**	
K1	7029104	AR	BRAKE SEAL KIT, (Axle), (contains quantity of 1 each of items 1 thru 7, 9, 10, 15; quantity of 3 each of items 11, 12, 13, 16, 17	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			and quantity of 1 of 1319425 o-ring) (10042,10054,8042) **(8042 Prior to SN 675668; 10042 Prior to SN 679304; 10054 Prior to SN 679304)**	

FIGURE 5-14. FRONT AXLE - BRAKE (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

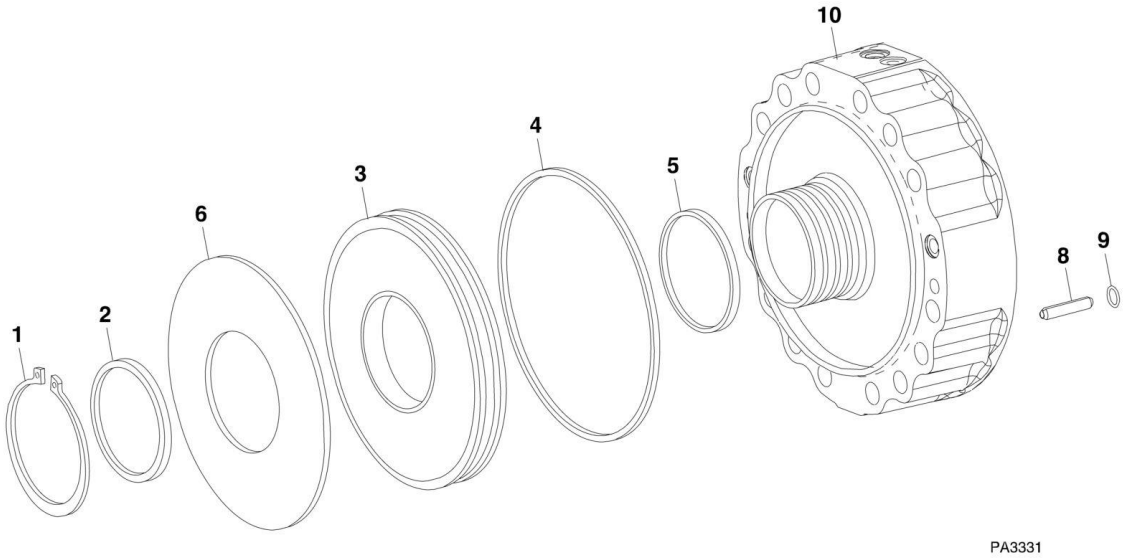


FIGURE 5-14. FRONT AXLE - BRAKE (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - BRAKE**	
	1001106328	REF	FRONT AXLE - BRAKE **(8042 SN 0160038967 through 0160045249; Including 0160045255)**	
	1001106329	REF	FRONT AXLE - BRAKE **(10042 SN 0160038368 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
1	70022199	2	SNAP RING	
2	70022252	2	WASHER	
3	70022251	2	PISTON	
4	70022191	2	PISTON PACKING	
5	70022192	2	ROD SEAL	
6	70022195	2	CUP SPRING	
7	70022215	2	SCREW PLUG, (not shown)	
8	70022248	14	PRESSURE PIN	
9	70022202	14	O-RING	
10		Ref	BRAKE HOUSING, (See FRONT AXLE - M-DISC BRAKE for Breakdown)	

FIGURE 5-15. FRONT AXLE - JOINT HOUSING (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

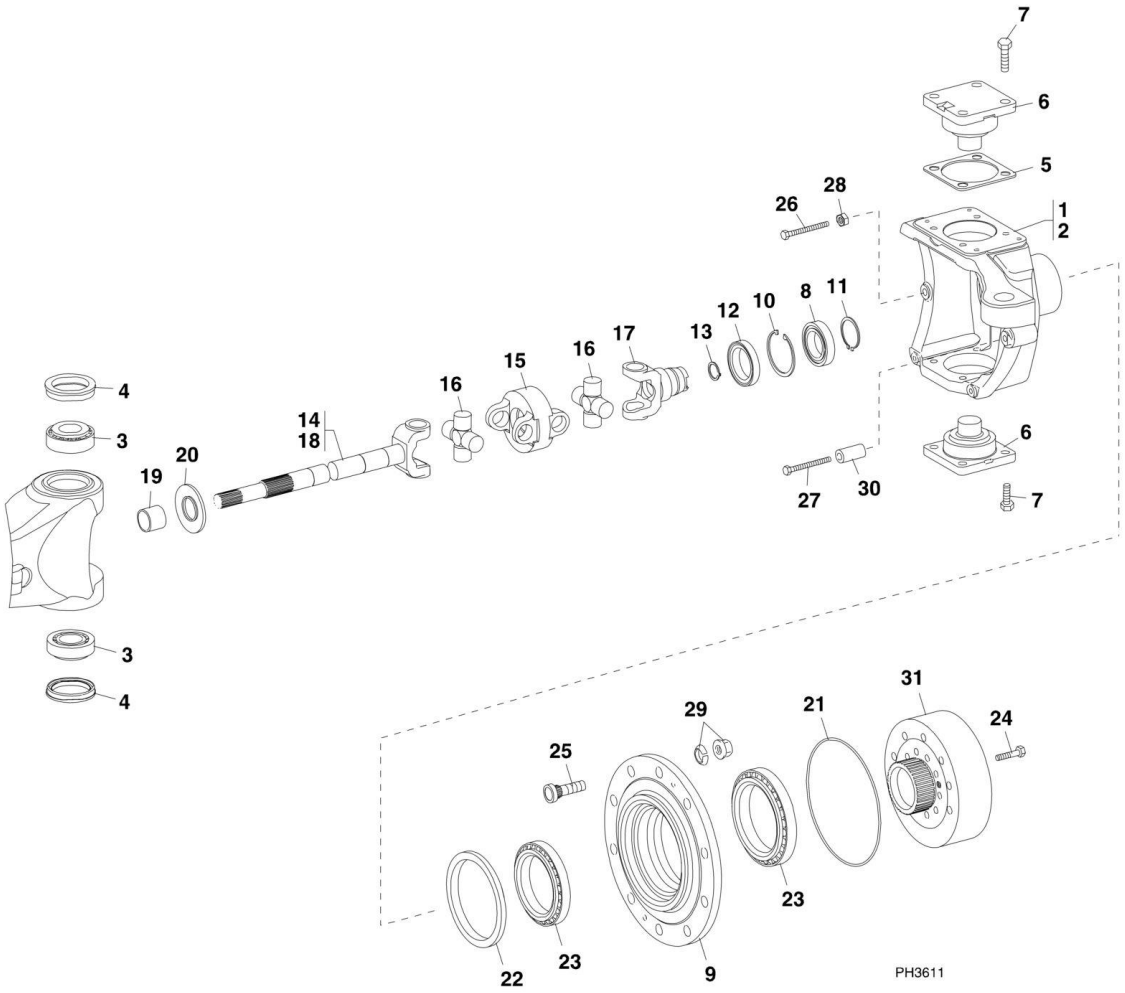


FIGURE 5-15. FRONT AXLE - JOINT HOUSING (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - JOINT HOUSING**	
	8040263	REF	FRONT AXLE - JOINT HOUSING **(8042 SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)**	
	8040271	REF	FRONT AXLE - JOINT HOUSING **(10042 SN 0160002332 through 0160038368; 10054 SN 0160002332 through 0160038740; Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)**	
1	1321256	1	JOINT HOUSING, (right side)	
2	1321257	1	JOINT HOUSING, (left side)	
3	1319445	4	ROLLER BEARING	
4	1319447	4	SHAFT SEAL	
5	1321249	2	SHIM, A=0.2	
5	8035959	2	SHIM, A=0.3	
5	8035960	2	SHIM, A=0.4	
5	8035961	2	SHIM, A=0.5	
5	8035962	2	SHIM, A=0.6	
5	1321250	2	SHIM, A=0.7	
5	8035963	2	SHIM, A=0.8	
5	8035964	2	SHIM, A=1.0	
5	8035965	2	SHIM, A=1.2	
5	8035966	2	SHIM, A=1.4	
5	1321251	2	SHIM, A=1.6	
5	8035967	2	SHIM, A=1.8	
5	8035968	2	SHIM, A=2.0	
6	1319462	4	BEARING PIN	
7	1319464	16	HEX SCREW	
8	1321157	2	BALL BEARING	
9	1321254	2	HUB	
10	1319210	2	RETAINING RING	
11	80304405	2	RETAINING RING	
12	7028977	2	SHAFT SEAL	
13	1321228	2	RETAINING RING	
14	1321175	2	UNIVERSAL COUPLING DRIVE SHAFT, (includes items 15 thru 20)	
15	8035969	2	CENTRAL PIECE (Axle) (10042,10042,10054,10054,8042,8042) **(8042 Prior to SN 758640; 10042 Prior to SN 758670; 10054 Prior to SN 758670)**	
15	70021789	2	CENTRAL PIECE (Axle) (10042,10054,8042) **(8042 SN 758670 to Present; 10042 SN 758670 to Present; 10054 SN 758670 to Present)**	
16	8035970	4	JOINT CROSS, (Axle) (10042,10054,8042) **(8042 Prior to SN 758640; 10042 Prior to SN 758670; 10054 Prior to SN 758670)**	
16	70021790	4	JOINT CROSS, (Axle) (10042,10054,8042) **(8042 SN 758670 to Present; 10042 SN 758670 to Present; 10054 SN 758670 to Present)**	
17	8035971	2	JOINT FORK	
18	8035972	2	JOINT COUPLING FORK	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	8035973	2	BUSHING	
20	8035974	2	SCREEN SHEET	
21	1321155	2	O-RING	
22	80304173	2	SHAFT SEAL	
23	1319472	4	ROLLER BEARING	
24	8036866	20	HEX SCREW	
25	1101056	20	WHEEL BOLT	
26	1319475	2	STOP SCREW	
27	1319476	2	STOP SCREW	
28	1319477	2	HEX NUT	
29		Ref	FLANGE WHEEL NUT AND SPHERICAL WASHER SERVICE KIT, (See DRIVE TRAIN COMPONENTS for Breakdown)	
30	7139743	2	SPACER TUBE (used with rock tires only) (8042)	
30	7026664	2	SPACER TUBE (used with rock tires only) (10042,10054)	
31		Ref	RING GEAR, (See FRONT AXLE - PLANETARY DRIVE for Breakdown)	

FIGURE 5-16. FRONT AXLE - JOINT HOUSING (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

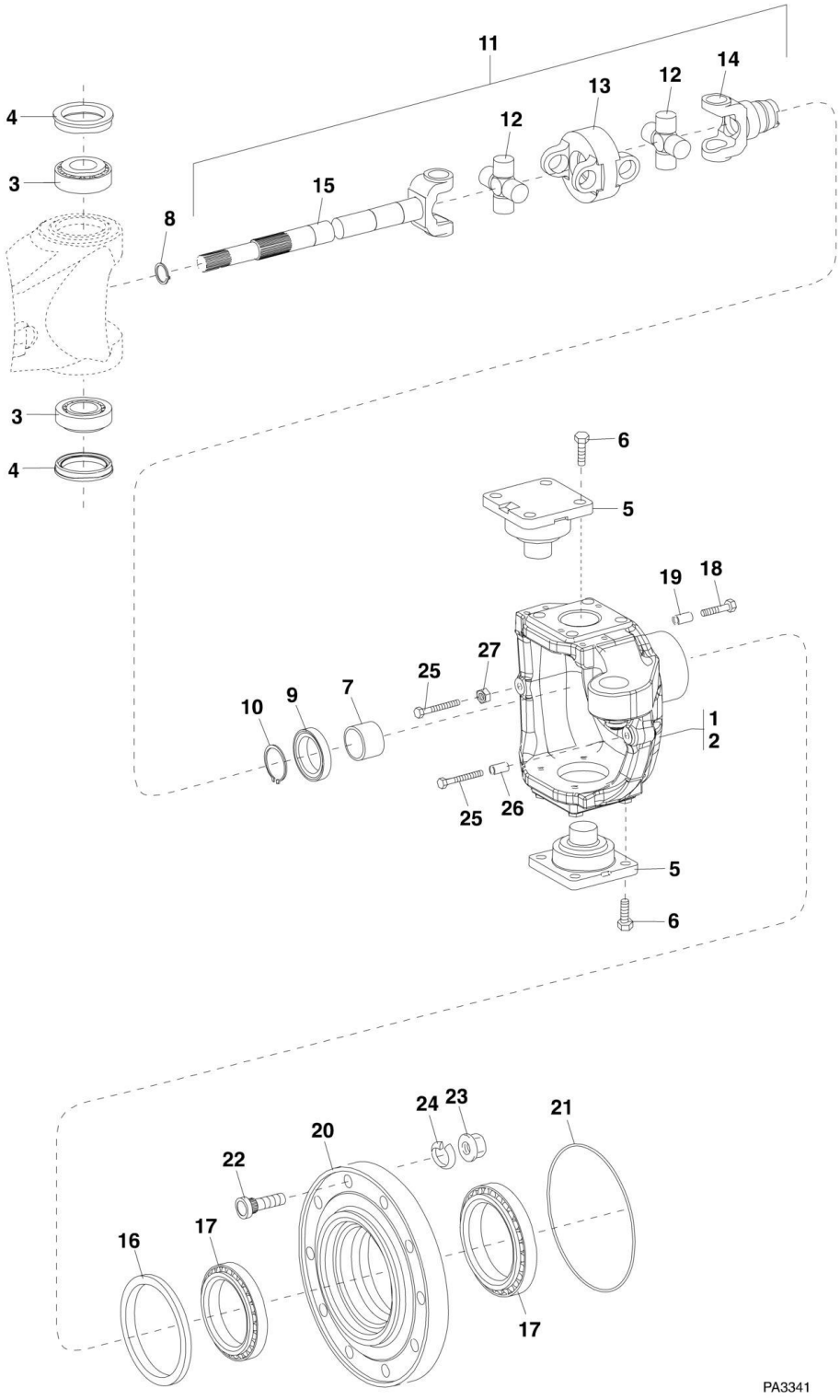


FIGURE 5-16. FRONT AXLE - JOINT HOUSING (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - JOINT HOUSING**	
	1001103628	REF	FRONT AXLE - JOINT HOUSING **(8042 SN 0160038967 through 0160045249; Including 0160045255)**	
	1001103629	REF	FRONT AXLE - JOINT HOUSING **(10042 SN 0160038368 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
1	70022237	1	JOINT HOUSING, (left side)	
2	70022238	1	JOINT HOUSING, (right side)	
3	70022223	4	ROLLER BEARING	
4	1319447	4	SHAFT SEAL	
5	70022240	4	BEARING PIN	
6	1319464	16	HEX SCREW, M16X40	
7	70022179	2	BUSHING	
8	10731789	2	RETAINING RING	
9	70022218	2	SHAFT SEAL	
10	1321226	2	RETAINING RING (8042)	
10	1321228	2	RETAINING RING (10042,10054)	
11	70022170	2	UNIVERSAL COUPLING DRIVE SHAFT ASSY (includes items 12 thru 15), (8042)	
11	70022265	2	UNIVERSAL COUPLING DRIVE SHAFT ASSY (includes items 12 thru 15), (10042,10054)	
12	70021554	2	JOINT CROSS (8042)	
12	70021790	2	JOINT CROSS (10042,10054)	
13	70021553		CENTRAL PIECE (8042)	
13	70022268	1	CENTRAL PIECE (10042,10054)	
14	70022187	1	FORK SHAFT (8042)	
14	N.S.S.	1	FORK SHAFT (10042,10054)	
15	70022188	1	FORK SHAFT (8042)	
15	N.S.S.	1	FORK SHAFT (10042,10054)	
16	80304173	2	SHAFT SEAL	
17	1319472	4	ROLLER BEARING	
18	70022208	16	HEX SCREW, M14X70	
19	70022234	16	CENTERING BUSHING	
20	70022249	2	HUB	
21	70022203	2	O-RING	
22	70022230	20	WHEEL BOLT	
23		Ref	WHEEL NUT, (See DRIVE TRAIN COMPONENTS for Breakdown)	
24		Ref	SPRING WASHER, (See DRIVE TRAIN COMPONENTS for Breakdown)	
25	8036330	4	STOP SCREW, M14X1.5	
26	70022257	2	SPACER TUBE	
27	1319477	2	HEX NUT, M14X1.5	

FIGURE 5-17. FRONT AXLE - PLANETARY DRIVE (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19904, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

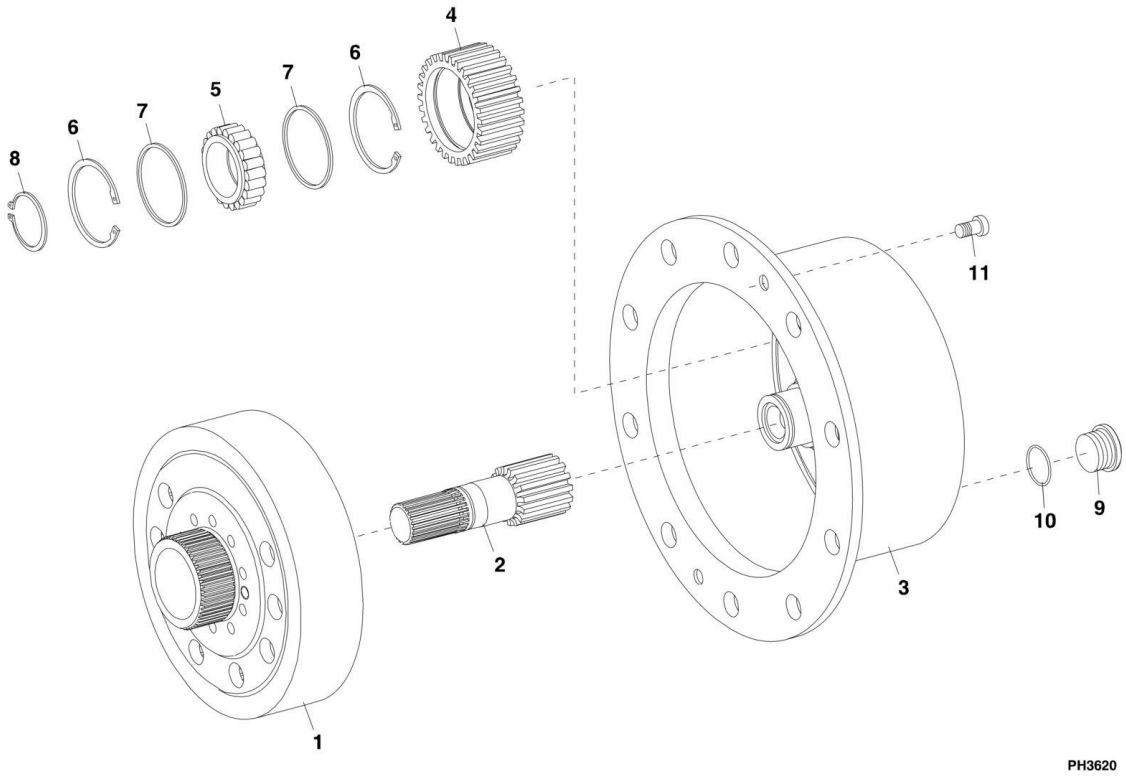


FIGURE 5-17. FRONT AXLE - PLANETARY DRIVE (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19904, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - PLANETARY DRIVE**	
	8040263	REF	FRONT AXLE - PLANETARY DRIVE **(8042 SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)**	
	8040271	REF	FRONT AXLE - PLANETARY DRIVE **(10042 SN 0160002332 through 0160038368; 10054 SN 0160002332 through 0160038740; Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)**	
1	1321258	2	RING GEAR	
2	1321255	2	SUN GEAR SHAFT	
3	1321232	2	PLANET CARRIER, (Axle) (10042,10054,8042) **(8042 Prior to SN 1723450; 10042 Prior to SN 1723382; 10054 Prior to SN 1723382)**	
3	70023261	2	PLANET CARRIER, (Axle) (10042,10054,8042) **(8042 SN 1723450 to Present; 10042 SN 1723382 to Present; 10054 SN 1723382 to Present)**	
4	1321233	6	PLANET GEAR, (Axle) (10042,10054,8042) **(8042 Prior to SN 1723450; 10042 Prior to SN 1723382; 10054 Prior to SN 1723382)**	
4	70022271	3	PLANET GEAR, (Axle) (10042,10054,8042) **(8042 SN 1723450 to Present; 10042 SN 1723382 to Present; 10054 SN 1723382 to Present)**	
5	1321214	6	TAPERED ROLLER BEARING, (Axle) (10042,10054,8042) **(8042 Prior to SN 1723450; 10042 Prior to SN 1723382; 10054 Prior to SN 1723382)**	
5	70023330	3	CYLINDRICAL ROLLER BEARING, (Axle) (10042,10054,8042) **(8042 SN 1723450 to Present; 10042 SN 1723382 to Present; 10054 SN 1723382 to Present)**	
6	1321205	12	SNAP RING, (Axle) (10042,10054,8042) **(8042 Prior to SN 1723450; 10042 Prior to SN 1723382; 10054 Prior to SN 1723382)**	
7	1321191	12	WASHER, (Axle) (10042,10054,8042) **(8042 Prior to SN 1723450; 10042 Prior to SN 1723382; 10054 Prior to SN 1723382)**	
8	80304227	3	RETAINING RING	
9	1319506	2	SCREW PLUG	
10	8036331	2	O-RING	
11	8035977	4	CAPSCREW	

FIGURE 5-18. FRONT AXLE - PLANETARY DRIVE (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

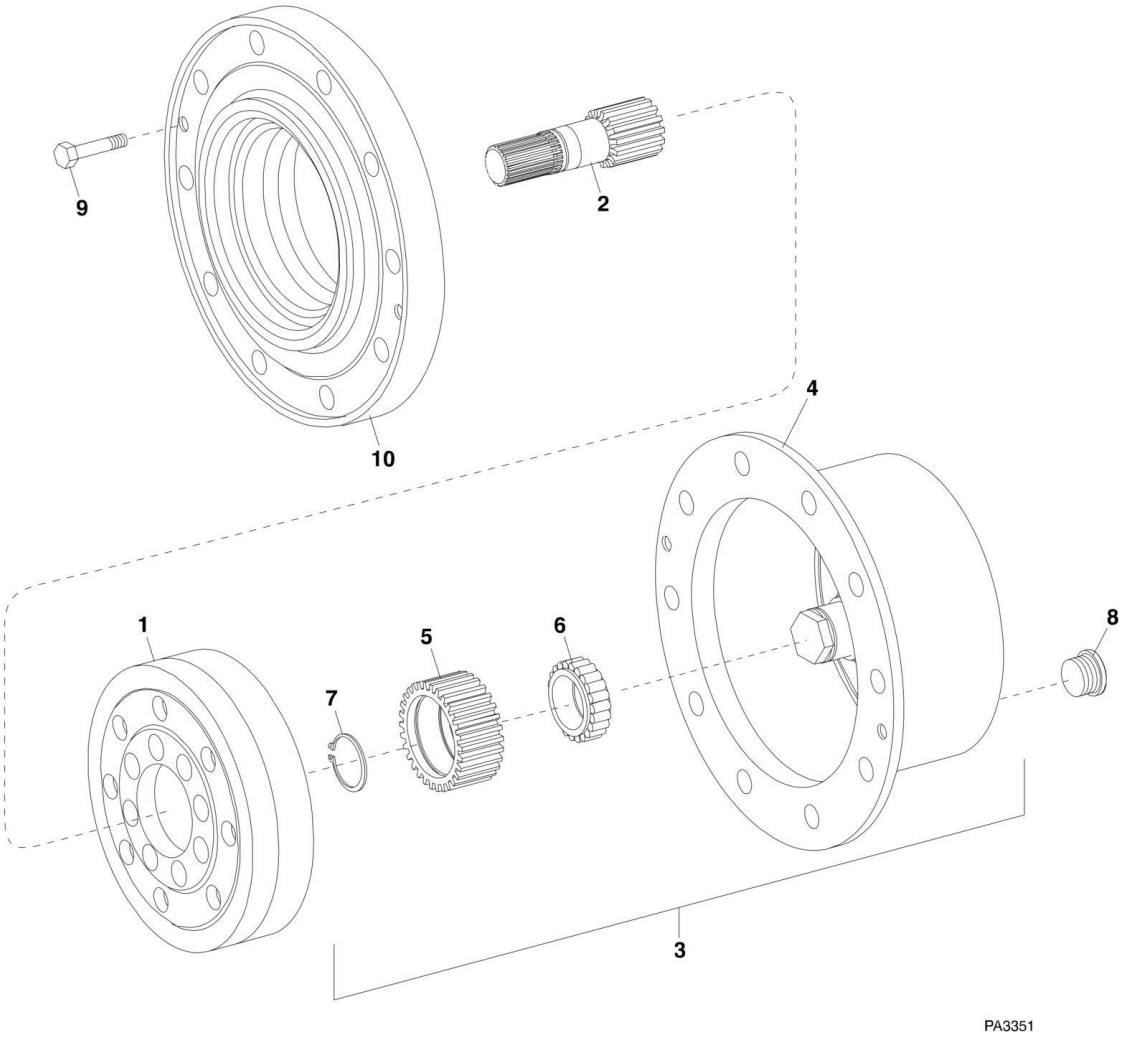


FIGURE 5-18. FRONT AXLE - PLANETARY DRIVE (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - PLANETARY DRIVE**	
	1001103628	REF	FRONT AXLE - PLANETARY DRIVE **(8042 SN 0160038967 through 0160045249; Including 0160045255)**	
	1001103629	REF	FRONT AXLE - PLANETARY DRIVE **(10042 SN 0160038368 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
1	70022242	1	RING GEAR (8042)	
1	70022274	1	RING GEAR (10042,10054)	
2	70022239	2	SUN GEAR SHAFT (8042)	
2	70022278	2	SUN GEAR SHAFT (10042,10054)	
3	70022281	2	PLANETARY CARRIER ASSY (includes items 4 thru 7) (8042)	
3	70022273	2	PLANETARY CARRIER ASSY (includes items 4 thru 7) (10042,10054)	
4	70022283	1	PLANETARY CARRIER (8042)	
4	70022279	1	PLANETARY CARRIER (10042,10054)	
5	70022243	4	PLANETARY GEAR (8042)	
5	70022271	3	PLANETARY GEAR (10042,10054)	
6	70022221	4	CYL. ROLLER BEARING (8042)	
6	70022270	3	CYL. ROLLER BEARING (10042,10054)	
7	70022197	4	RETAINING RING (8042)	
7	80304227	3	RETAINING RING (10042,10054)	
8	1319578	2	SCREW PLUG	
9	70022207	4	HEX SCREW, M12X30	
10		Ref	HUB, (See FRONT AXLE - JOINT HOUSING for Breakdown)	

FIGURE 5-19. REAR AXLE

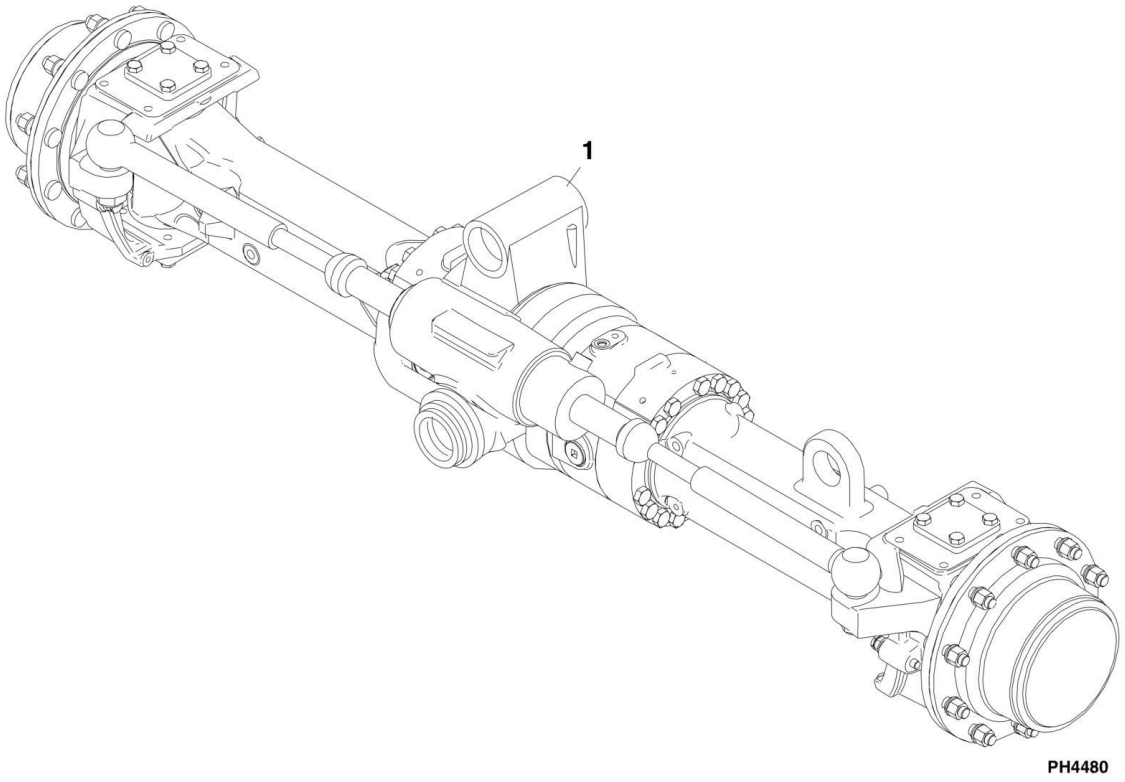


FIGURE 5-19. REAR AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8040264	1	REAR AXLE, (8042) **(8042 SN 0160002332 through 0160038966; Including 0160038971 and 0160038984)**	
1	8040272	1	REAR AXLE, (10042) **(10042 SN 13198 through 17978; 10054 SN 13198 through 17975)**	
1	1001116838	1	REAR AXLE, (8042) **(8042 SN 0160038967 through 0160045249; Including 0160045255, Excluding 0160038971, 0160038984, 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
1	8040285	1	REAR AXLE (10042) **(10042 SN 17978 through 19987, SN 0160002332 through 0160038367, Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 17975 through 19987, SN 0160002332 through 0160038739, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
1	1001103633	1	REAR AXLE, (10042,10054) **(10042 SN 0160038368 to Present, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 to Present, Including 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
1		Ref	INPUT, (See REAR AXLE-INPUT for Breakdown)	
1		Ref	DIFFERENTIAL, (See REAR AXLE-DIFFERENTIAL for Breakdown)	
1		Ref	AXLE CASING, (See REAR AXLE-AXLE CASING for Breakdown)	
1		Ref	M-DISC BRAKE, (See REAR AXLE-M-DISC BRAKE for Breakdown)	
1		Ref	BRAKE, (See REAR AXLE-BRAKE for Breakdown)	
1		Ref	JOINT HOUSING, (See REAR AXLE-JOINT HOUSING for Breakdown)	
1		Ref	PLANETARY DRIVE, (See REAR AXLE-PLANETARY DRIVE for Breakdown)	

FIGURE 5-20. REAR AXLE - INPUT (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

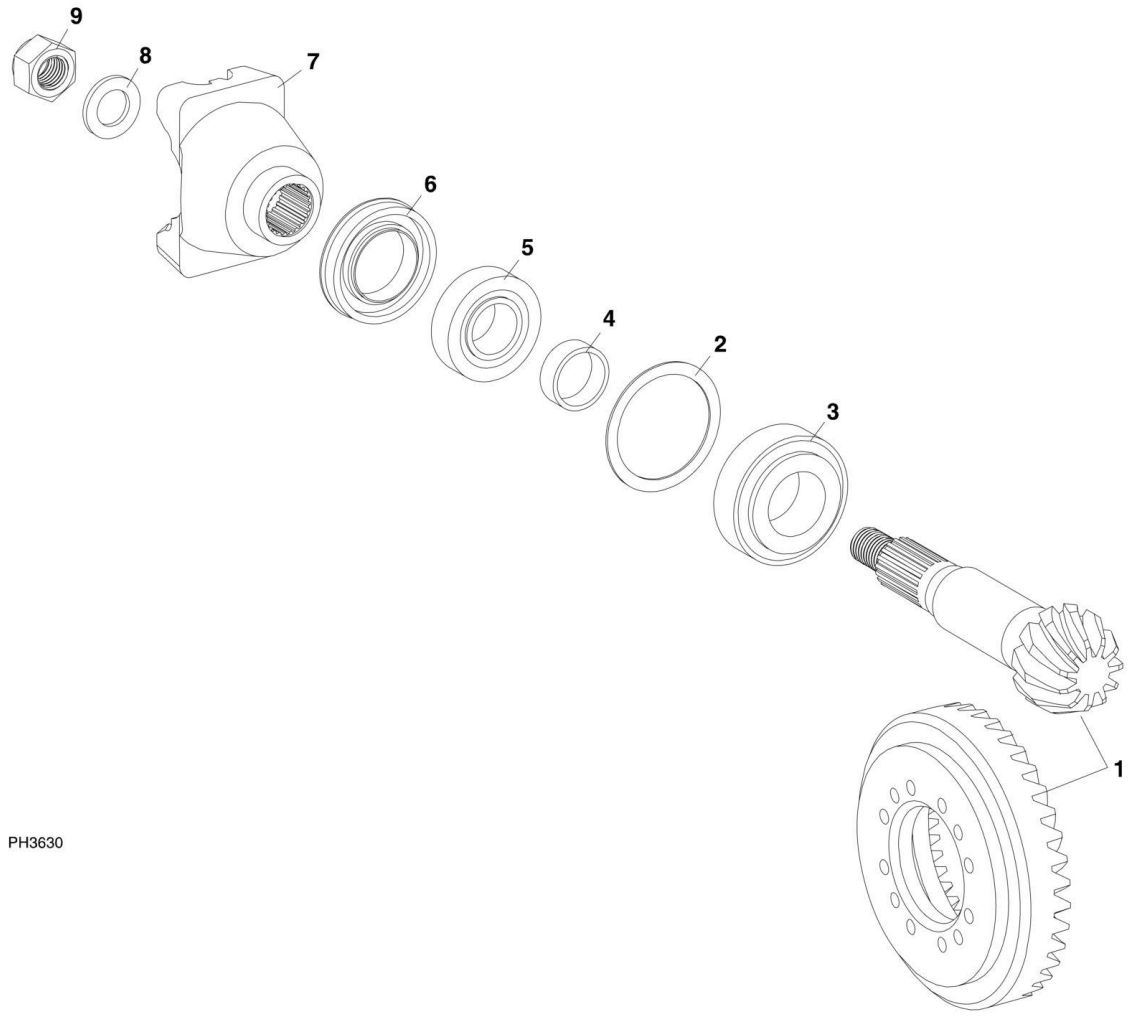


FIGURE 5-20. REAR AXLE - INPUT (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**(Illustration and Parts List Usage)**	
	8040264	REF	AXLE ASSY,REAR **(8042 SN 0160002332 through 0160038966; Including 0160038971 and 0160038984)**	
	8040272	REF	AXLE ASSY,REAR **(10042 SN 13198 through 17978; 10054 SN 13198 through 17975)**	
	8040285	REF	AXLE ASSY,REAR **(10042 SN 17978 through 19987, SN 0160002332 through 0160038367, Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 17975 through 19987, SN 0160002332 through 0160038739)**	
1	1321229	1	BEVEL GEAR SET **(10042 SN 13198 through 17975)**	
1	8036751	1	BEVEL GEAR SET **(8042 SN 17975 through 19987; 10042 SN 17978 through 19987; 10054 SN 17975 through 19987; SN 016002332 through 0160045249, SN 0160002332 through 0160045249, SN 0160002332 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
2	1319333	1	SHIM, S=1.0	
2	1319334	1	SHIM, S=1.05	
2	1319335	1	SHIM, S=1.1	
2	1319336	1	SHIM, S=1.15	
2	1319337	1	SHIM, S=1.2	
2	1319338	1	SHIM, S=1.25	
2	1319339	1	SHIM, S=1.3	
2	1319340	1	SHIM, S=1.35	
2	1319341	1	SHIM, S=1.4	
2	1319342	1	SHIM, S=1.45	
2	1319343	1	SHIM, S=1.5	
2	1319344	1	SHIM, S=1.55	
2	1319345	1	SHIM, S=1.6	
2	1319346	1	SHIM, S=0.9	
2	1319347	1	SHIM, S=0.95	
2	1319348	1	SHIM, S=0.65	
2	1319349	1	SHIM, S=0.7	
2	1319350	1	SHIM, S=0.75	
2	1319351	1	SHIM, S=0.85	
2	1319352	1	SHIM, S=0.8	
3	1319353	1	ROLLER BEARING	
4	1319354	1	RING, S=15.1	
4	1319355	1	RING, S=15.2	
4	1319356	1	RING, S=15.3	
4	1319357	1	RING, S=15.4	
4	1319358	1	RING, S=15.5	
4	1319359	1	RING, S=15.6	
4	1319360	1	RING, S=15.7	
4	1319361	1	RING, S=15.8	
4	1319362	1	RING, S=15.9	
4	1319363	1	RING, S=16.0	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
4	1319364	1	RING, S=16.1	
4	1319365	1	RING, S=16.2	
4	1319366	1	RING, S=16.3	
4	1319367	1	RING, S=16.4	
4	8035982	1	RING, S=16.26	
4	1319369	1	RING, S=16.23	
4	1319370	1	RING, S=16.16	
4	1319371	1	RING, S=16.13	
4	1319372	1	RING, S=16.06	
4	1319373	1	RING, S=16.03	
4	1319374	1	RING, S=15.96	
4	1319375	1	RING, S=15.93	
4	1319376	1	RING, S=15.86	
4	1319377	1	RING, S=15.83	
4	1319378	1	RING, S=15.76	
4	1319379	1	RING, S=15.73	
4	1319380	1	RING, S=15.66	
4	1319381	1	RING, S=15.63	
4	1319382	1	RING, S=15.56	
4	1319383	1	RING, S=15.53	
4	1319384	1	RING, S=15.46	
4	1319385	1	RING, S=15.43	
4	1319386	1	RING, S=15.36	
4	1319387	1	RING, S=15.33	
4	1319388	1	RING, S=15.26	
4	1319389	1	RING, S=15.38	
4	1319390	1	RING, S=15.48	
4	1319391	1	RING, S=15.58	
4	1313932	1	RING, S=15.68	
4	1319393	1	RING, S=15.69	
4	1319394	1	RING, S=15.72	
4	1319395	1	RING, S=15.78	
4	1319396	1	RING, S=15.81	
4	1319397	1	RING, S=15.84	
4	1319398	1	RING, S=15.88	
4	1319399	1	RING, S=15.89	
4	1319400	1	RING, S=15.91	
4	1319401	1	RING, S=15.94	
4	1319402	1	RING, S=15.97	
5	1319444	1	ROLLER BEARING	
6	1321211	1	SHAFT SEAL	
7	1321237	1	END YOKE	
8	1319406	1	WASHER	
9	8035983	1	HEX NUT	

FIGURE 5-21. REAR AXLE - INPUT (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

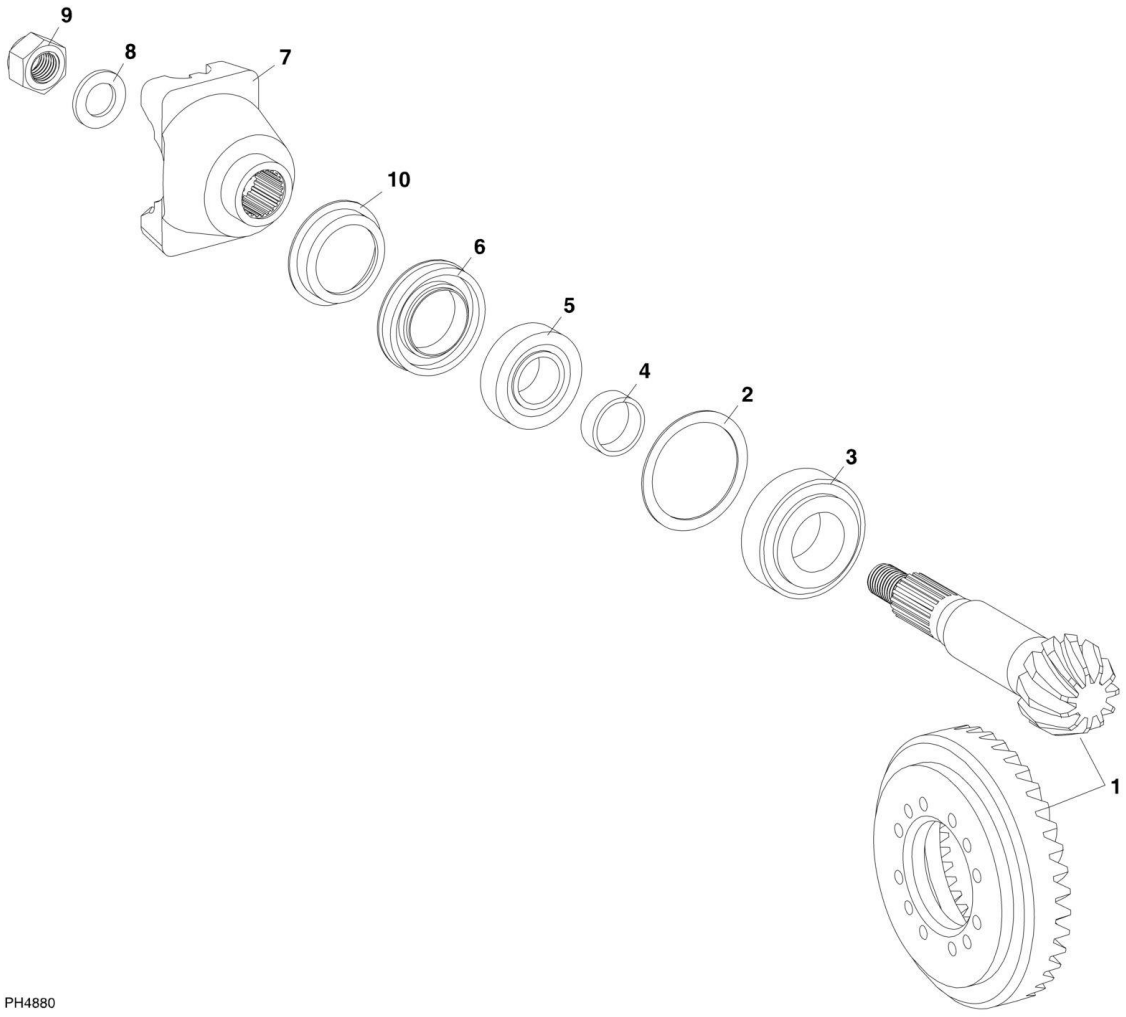


FIGURE 5-21. REAR AXLE - INPUT (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**REAR AXLE - INPUT**	
	1001116838	REF	REAR AXLE - INPUT **(8042 SN 0160038967 through 0160045249; Including 0160045255)**	
	1001103633	REF	REAR AXLE - INPUT **(10042 SN 0160038368 to Present; 10054 SN 0160038740 to Present, Including 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
1	70022786	1	BEVEL GEAR (8042)	
1	70022787	1	PINION (8042)	
1	70022280	1	BEVEL GEAR SET (10042,10054)	
2	80304160	1	SHIM, S=0.1	
2	80304159	1	SHIM, S=0.2	
2	80304158	1	SHIM, S=0.3	
2	80304157	1	SHIM, S=0.5	
2	80304156	1	SHIM, S=0.6	
2	80304162	1	SHIM, S=0.65	
2	80304155	1	SHIM, S=0.7	
2	80304161	1	SHIM, S=0.75	
2	80304154	1	SHIM, S=0.8	
2	80304153	1	SHIM, S=0.9	
2	80304152	1	SHIM, S=1.0	
2	80304146	1	SHIM, S=1.2	
2	80304163	1	SHIM, S=1.25	
2	80304151	1	SHIM, S=1.3	
2	80304164	1	SHIM, S=1.35	
2	80304150	1	SHIM, S=1.4	
2	80304165	1	SHIM, S=1.45	
2	80304145	1	SHIM, S=1.5	
2	80304166	1	SHIM, S=1.55	
2	80304149	1	SHIM, S=1.6	
2	80304167	1	SHIM, S=1.65	
2	80304148	1	SHIM, S=1.7	
2	80304168	1	SHIM, S=1.75	
2	80304144	1	SHIM, S=1.8	
2	80304169	1	SHIM, S=1.85	
2	80304147	1	SHIM, S=1.9	
2	80304143	1	SHIM, S=2.0	
3	70023400	1	TAPERED ROLLER BEARING (8042)	
3	70022231	1	TAPERED ROLLER BEARING (10042,10054)	
4	80304088	1	RING, S=16.0	
4	80304089	1	RING, S=16.1	
4	80304090	1	RING, S=16.2	
4	80304091	1	RING, S=16.3	
4	80304092	1	RING, S=16.4	
4	80304093	1	RING, S=16.5	
4	80304110	1	RING, S=16.56	
4	80304094	1	RING, S=16.6	
4	80304111	1	RING, S=16.62	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
4	80304112	1	RING, S=16.64	
4	80304124	1	RING, S=16.66	
4	80304113	1	RING, S=16.68	
4	80304095	1	RING, S=16.7	
4	70022216	1	RING, S=16.72	
4	80304115	1	RING, S=16.74	
4	80304117	1	RING, S=16.76	
4	80304118	1	RING, S=16.78	
4	80304096	1	RING, S=16.8	
4	80304119	1	RING, S=16.82	
4	80304120	1	RING, S=16.84	
4	80304104	1	RING, S=16.86	
4	80304121	1	RING, S=16.88	
4	80304122	1	RING, S=16.9	
4	80304097	1	RING, S=16.92	
4	80304123	1	RING, S=16.94	
4	80304125	1	RING, S=16.96	
4	80304107	1	RING, S=16.98	
4	80304126	1	RING, S=17.0	
4	80304127	1	RING, S=17.02	
4	80304108	1	RING, S=17.04	
4	80304128	1	RING, S=17.06	
4	80304129	1	RING, S=17.08	
4	80304099	1	RING, S=17.10	
4	80304130	1	RING, S=17.12	
4	80304131	1	RING, S=17.14	
4	80304132	1	RING, S=17.16	
4	80304133	1	RING, S=17.18	
4	80304100	1	RING, S=17.2	
4	80304134	1	RING, S=17.22	
4	80304135	1	RING, S=17.24	
4	80304136	1	RING, S=17.26	
4	80304137	1	RING, S=17.28	
4	80304101	1	RING, S=17.3	
4	80304102	1	RING, S=17.4	
5	1319353	1	ROLLER BEARING	
6	70022220	1	SHAFT SEAL	
7	70022245	1	END YOKE	
8	80304082	1	WASHER	
9	70022213	1	HEX NUT	
10	70022244	1	SCREEN SHEET	

FIGURE 5-22. REAR AXLE - DIFFERENTIAL 8 (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

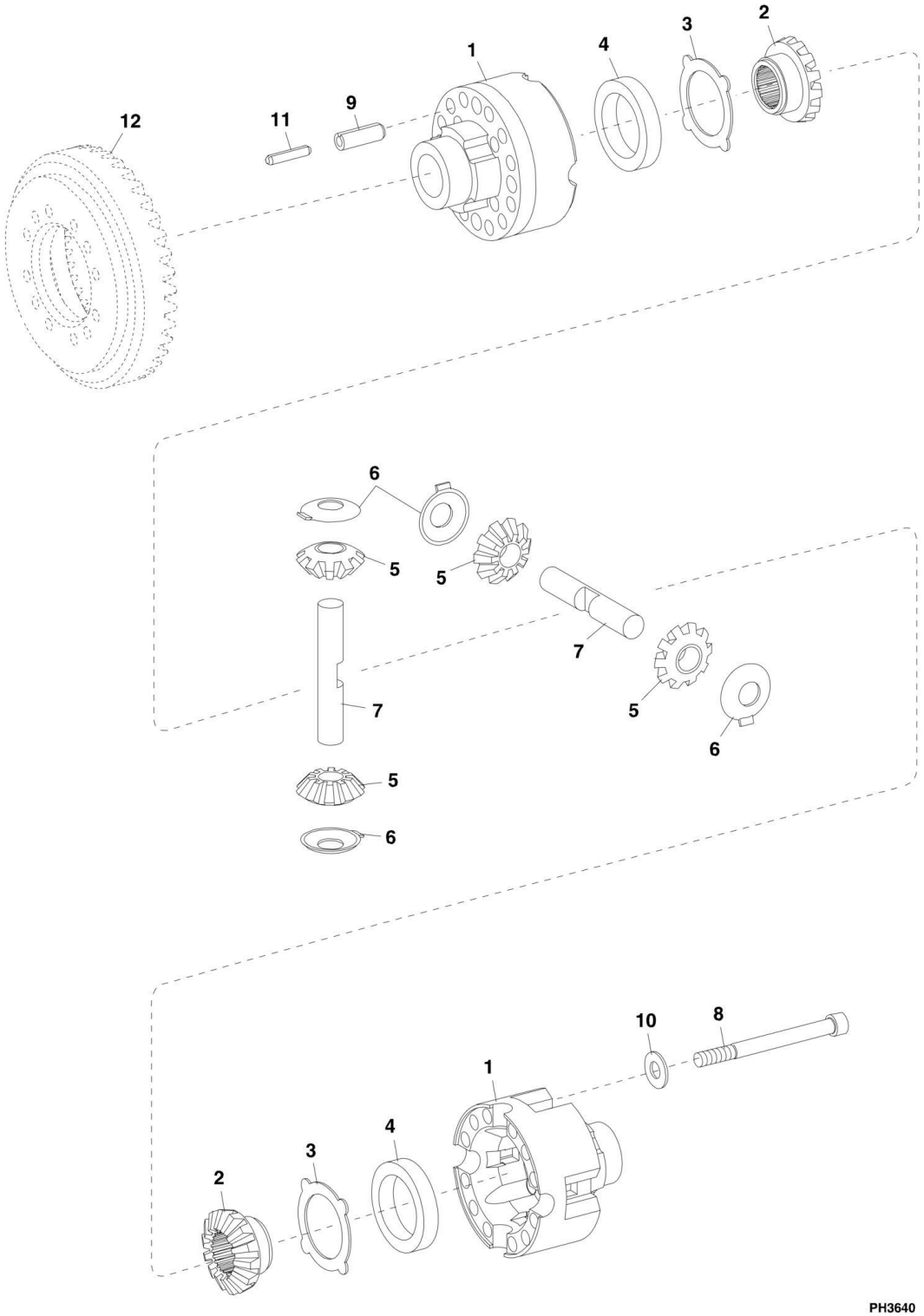


FIGURE 5-22. REAR AXLE - DIFFERENTIAL 8 (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**REAR AXLE - DIFFERENTIAL**	
	8040264	REF	REAR AXLE - DIFFERENTIAL **(8042 SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)**	
	8040272	REF	REAR AXLE - DIFFERENTIAL **(10042 SN 13198 through 17975)**	
	8040285	REF	REAR AXLE - DIFFERENTIAL **(10042 SN 17978 through 19987, SN 0160002332 through 0160038367, Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 17975 through 19987, SN 0160002332 through 0160038739)**	
1	1321215	1	DIFFERENTIAL CASE	
2	8036752	2	AXLE BEVEL GEAR	
3	1319412	2	THRUST WASHER,	
4	1321260	2	DIFFERENTIAL RING, A=13.7	
4	8035984	2	DIFFERENTIAL RING, A=13.6	
4	1321259	2	DIFFERENTIAL RING, A=13.5	
5	8036753	4	DIFFERENTIAL BEVEL GEAR, (Axle) **(Prior to SN 708692)**	
5	1319414	4	DIFFERENTIAL BEVEL GEAR, (Axle) **(SN 708692 to Present)**	
6	1319415	4	THRUST WASHER	
7	1321225	2	DIFFERENTIAL AXLE	
8	8035923	12	CAP SCREW	
9	1321153	4	SLOT PIN	
10	1321184	12	WASHER	
11	1321154	4	SLOT PIN	
12		Ref	BEVEL GEAR SET, (See REAR AXLE-INPUT for Breakdown)	

FIGURE 5-23. REAR AXLE - DIFFERENTIAL (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

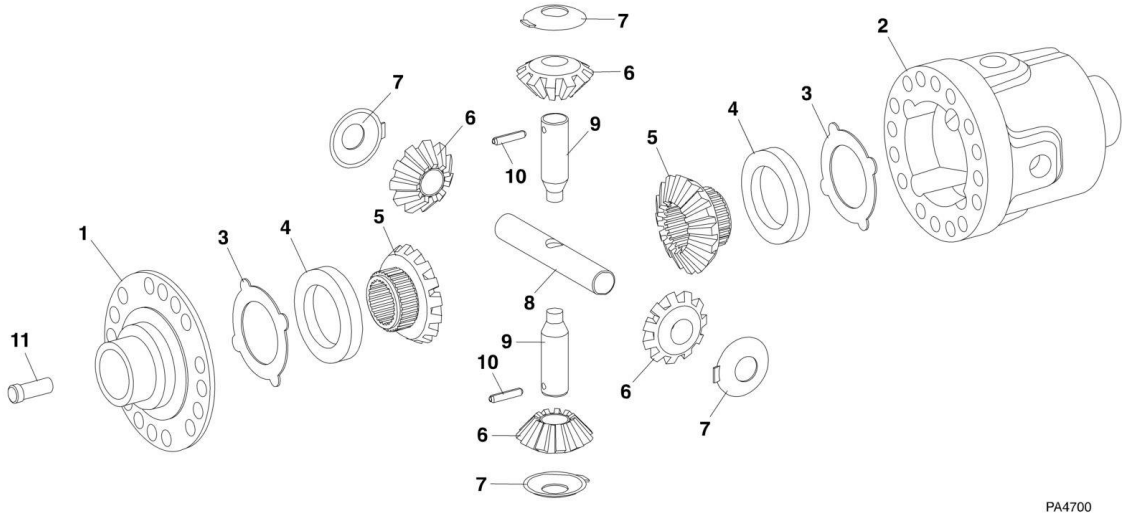
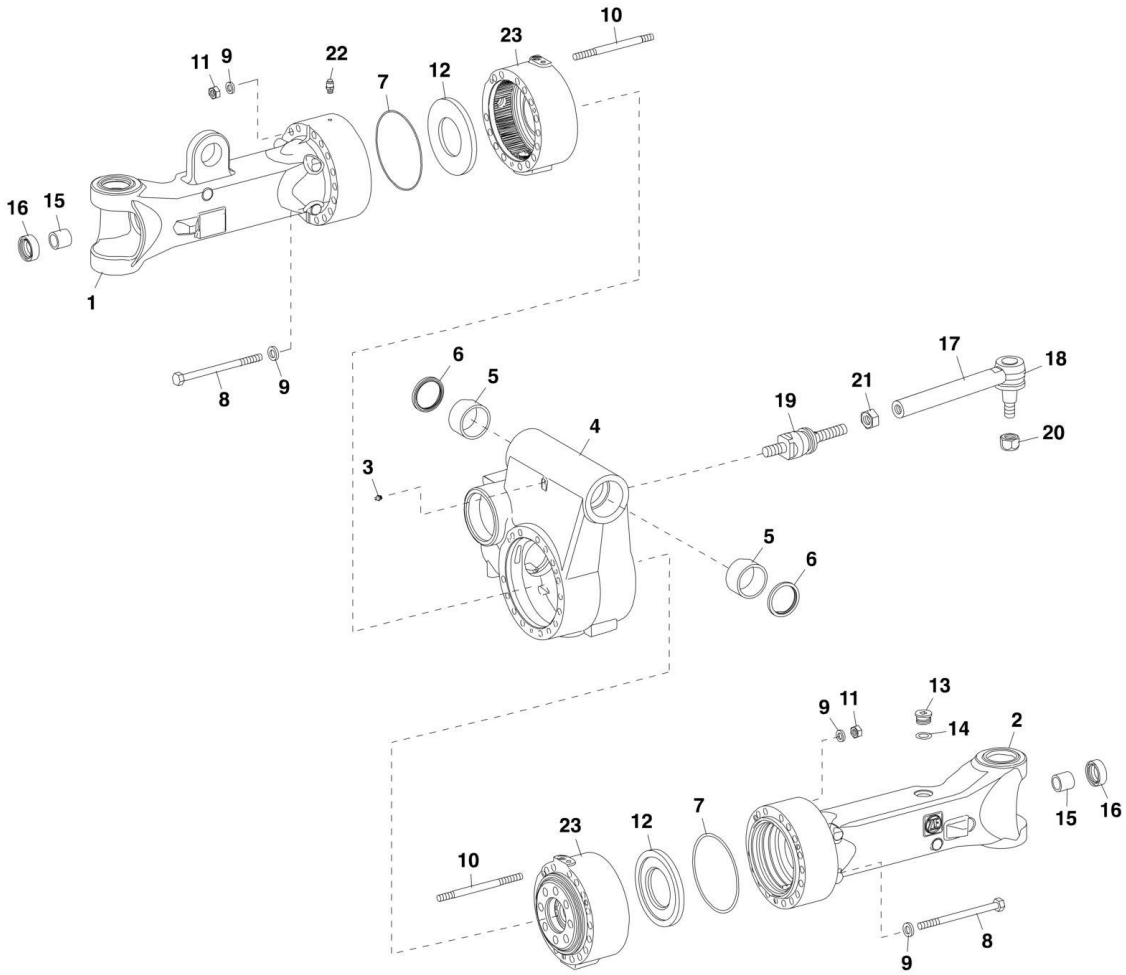
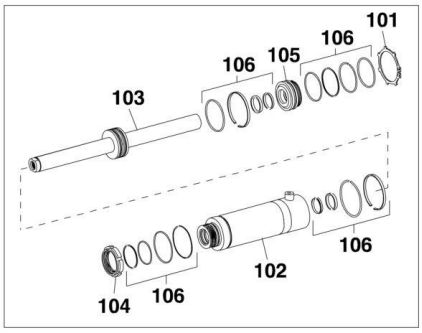


FIGURE 5-23. REAR AXLE - DIFFERENTIAL (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

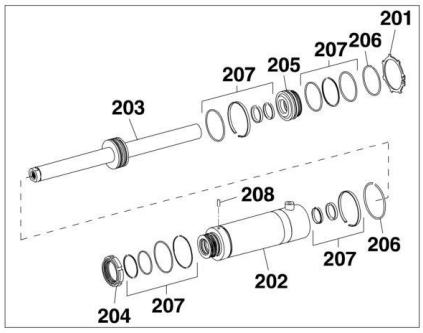
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103633	REF	REAR AXLE - DIFFERENTIAL	
	1001116838	REF	REAR AXLE - DIFFERENTIAL **(8042 SN 0160038967 through 0160045249; Including 0160045255)**	
		Ref	**REAR AXLE - DIFFERENTIAL (10042 SN 0160038368 to Present; 10054 SN 0160038740 to Present, Including 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
1	70022229	1	COVER	
2	70022226	NLA	DIFFERENTIAL CASEDIFFERENTIAL CASE, (no longer available, Before Axle S/N 2022732 must replace with both 70023910 differential case and qty 2 of 70023904 slotted pins)	
2	70023910	1	DIFFERENTIAL CASE, (Axle) **(SN 2022732 to Present)**	
3	70022284	2	THRUST WASHER	
4	70023401	2	COMPENSATING RING (8042)	
4	70022285	2	COMPENSATING RING (10042,10054)	
5	70023402	2	AXLE BEVEL GEAR (8042)	
5	70022225	2	AXLE BEVEL GEAR (10042,10054)	
6	70023403	4	DIFFERENTIAL BEVEL GEAR (8042)	
6	70022185	4	DIFFERENTIAL BEVEL GEAR (10042,10054)	
7	70022262	4	THRUST WASHER	
8	70022227	1	DIFFERENTIAL AXLE	
9	70022228	2	DIFFERENTIAL AXLE	
10	70022200	NLA	SLOT PIN, (no longer available, Axle must replace with both 70023910 differential case and qty 2 of 70023904 slotted pins) **(Prior to SN 2022732)**	
10	70023904	2	SLOTTED PIN, (Axle) **(SN 2022732 to Present)**	
11	70022211	16	CAPSCREW	

FIGURE 5-24. REAR AXLE - AXLE CASING (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)





8042 PRIOR TO AXLE S/N 955403
10042 PRIOR TO AXLE S/N 949494
10054 PRIOR TO AXLE S/N 949494



8042 AXLE S/N 955403 TO PRESENT
10042 AXLE S/N 949494 TO PRESENT
10054 AXLE S/N 949494 TO PRESENT

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FIGURE 5-24. REAR AXLE - AXLE CASING (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**REAR AXLE - AXLE CASING**	
	8040264	REF	REAR AXLE - AXLE CASING **(8042 SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)**	
	8040272	REF	REAR AXLE - AXLE CASING **(10042 SN 13198 through 17975)**	
	8040285	REF	REAR AXLE - AXLE CASING **(10042 SN 17978 through 19987, SN 0160002332 through 0160038367, Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 17975 through 19987, SN 0160002332 through 0160038739)**	
1	8035986	1	AXLE CASING	
2	8035987	1	AXLE CASING	
3	1319423	1	LUBRICATION NIPPLE	
4	7026663	1	AXLE DRIVE HOUSING, (15 screw joints; completely interchangeable with 14 screw joints)	
4	70021111	1	AXLE DRIVE HOUSING, (14 screw joints)	
5	1321234	2	BUSHING	
6	1321209	2	SEAL	
7	1319425	2	O-RING	
8	8035027	30	HEX SCREW	
8	8035927	28	HEX SCREW	
9	8036312	30	WASHER, (only used on 7026663)	
10	8036313	8	STUD	
11	1319429	8	HEX NUT	
12	8036606	2	END SHIM, (Axle) **(Prior to SN 679469)**	
12	70020413	2	END SHIM, (Axle) **(SN 679469 to Present)**	
13	1319506	1	SCREW PLUG	
14	8036331	1	O-RING	
15	1319433	2	BUSHING	
16	7027211	2	SHAFT SEAL	
17	1321148	2	AXLE JOINT, (includes items 18 thru 21)	
18	8036756	2	BALL JOINT	
19	8036757	2	AXLE JOINT	
20	8036758	2	LOCKNUT	
21	8036759	2	HEX NUT	
22	1319436	1	BREATHER	
23		Ref	BRAKE HOUSING (see REAR AXLE-M-DISC BRAKE for Breakdown)	
	1321149	NLA	STEERING CYLINDER (includes items 101 thru 106), (no longer available, use 70021617 for replacement) (10042,10054,8042) **(8042 Prior to SN 828785; 10054 Prior to SN 1285172; 10042 Prior to SN 1285172)**	
	70021617	1	STEERING CYLINDER (includes items 201 thru 208) **(8042 SN 828785 to Present; 10054 SN 1285172 to Present; 10042 SN 1285172 to Present)**	
101	8035978	NLA	L-RING, (no longer available, use 70021617 for replacement)	
102	8036440	NLA	TUBE WELDMENT, (no longer available, use 70021617 for replacement)	
103	8036439	NLA	PISTON ROD, (no longer available, use 70021617 for replacement)	
104	8035998	1	SLOTTED NUT	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
105	8035980	NLA	GUIDE PIECE, (no longer available, use 70021617 for replacement)	
106	8035981	1	SEAL KIT	
201	70021571	1	L-RING	
202	N.S.S.	1	CYLINDER TUBE	
203	70021568	1	PISTON ROD	
204	70021570	1	SLOTTED NUT	
205	70021569	1	GUIDE PIECE	
206	70021726	2	RETAINING RING	
207	70021495	1	SEAL KIT	
208	70022610	1	SLOTTED PIN	

FIGURE 5-25. REAR AXLE - AXLE CASING (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

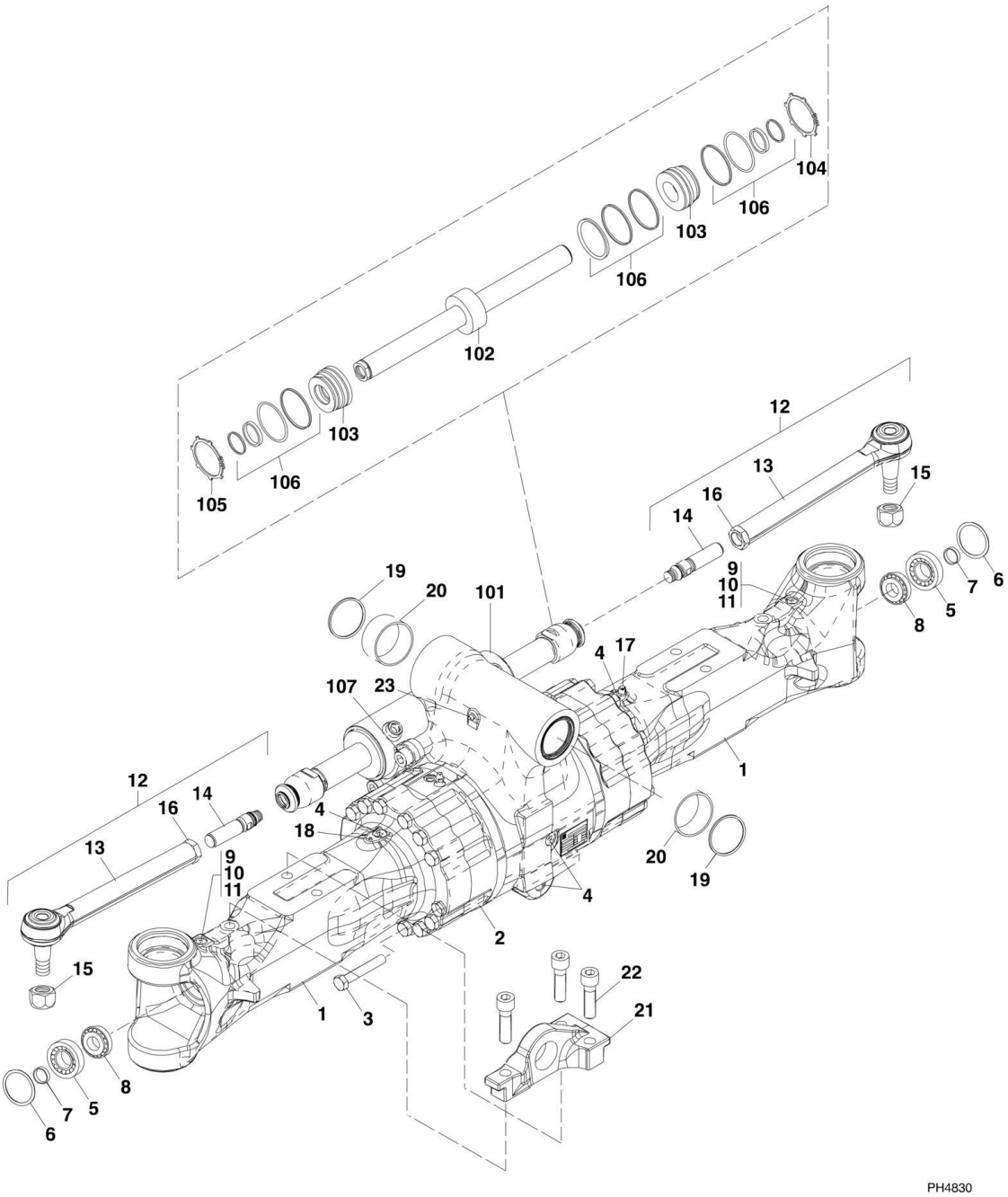


FIGURE 5-25. REAR AXLE - AXLE CASING (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**REAR AXLE - AXLE CASING**	
	1001116838	REF	REAR AXLE - AXLE CASING (8042) **(8042 SN 0160038967 through 0160045249; Including 0160045255)**	
	1001103633	REF	REAR AXLE - AXLE CASING (10042,10054) **(10042 SN 0160038368 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
1	70022255	2	AXLE CASING	
2	70022277	1	AXLE DRIVE HOUSING	
3	70022206	28	HEX HD CAPSCREW, M18X180	
4	70023404	4	SCREW PLUG (8042)	
4	1319578	4	SCREW PLUG (10042,10054)	
5	70022241	2	BUSHING	
6	70022204	2	O-RING	
7	70022217	2	SHAFT SEAL	
8	10731790	2	BEARING	
9	70022201	2	SET SCREW, M10X1X16	
10	70022777	2	SCREW PLUG (8042)	
10	1319666	2	SCREW PLUG (10042,10054)	
11	7027217	2	O-RING	
12	70022174	2	TIE ROD, (includes items 13 thru 16)	
13	70022175	1	BALL JOINT	
14	70022172	1	AXIAL JOINT	
15	8036758	1	LOCKNUT	
16	8036759	1	HEX NUT	
17	1319436	1	BREATHER	
18	8036418	1	SCREW PLUG	
19	1321209	2	SHAFT SEAL	
20	1321234	2	BUSHING	
21	70022254	1	BRACKET	
22	1001103619	3	HEX HD CAPSCREW, M22X1.5X80	
23	1319423	1	GREASE FITTING	
101	70022173	1	STEERING CYLINDER, (includes items 102 thru 106)	
102	70022177	1	PISTON ROD	
103	70022184	2	BREAK HEAD	
104	70022181	2	RETAINING RING	
105	70022180	2	RETAINING RING	
106	70022178	1	SEAL KIT	
107	70022789	4	CAPSCREW, M22X1.5X55 (8042)	
107	70022210	4	CAPSCREW, M22X1.5X55 (10042,10054)	

FIGURE 5-26. REAR AXLE - M-DISC BRAKE (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

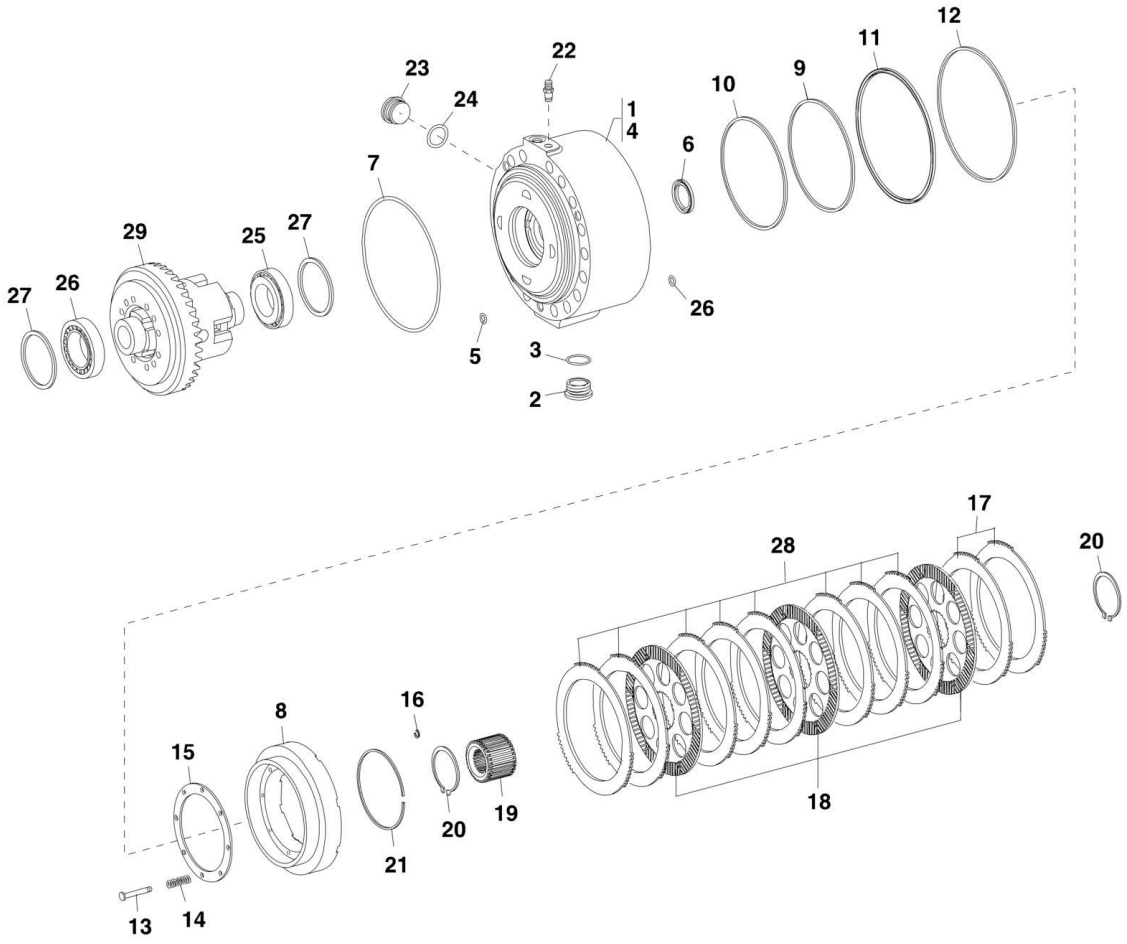


FIGURE 5-26. REAR AXLE - M-DISC BRAKE (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**REAR AXLE - M-DISC BRAKE**	
	8040264	REF	REAR AXLE - M-DISC BRAKE (8042) **(8042 SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)**	
	8040272	REF	REAR AXLE - M-DISC BRAKE (10042) **(10042 SN 13198 through 17975)**	
	8040285	REF	REAR AXLE - M-DISC BRAKE (10042,10054) **(10042 SN 17978 through 19987, SN 0160002332 through 0160038367, Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 17975 through 19987, SN 0160002332 through 0160038739)**	
1	NLA	NLA	BRAKE HOUSING, (left side), (Axle), (see note N1) **(Prior to SN 679469)**	
1	70020483	1	BRAKE HOUSING, (left side), (Axle) **(SN 679469 to Present)**	
2	1319431	2	SCREW PLUG	
3	8036331	2	O-RING	
4	NLA	NLA	BRAKE HOUSING, (right side), (Axle), (see note N1) **(Prior to SN 679469)**	
4	70020484	1	BRAKE HOUSING, (right side), (Axle) **(SN 679469 to Present)**	
5	1319491	12	O-RING	
6	8036444	2	SHAFT SEAL	
7	1319425	2	O-RING	
8	8036304	2	Piston	
9	1321162	2	U-RING	
10	1321151	2	SUPPORT RING	
11	1321163	2	U-RING	
12	1321152	2	SUPPORT RING	
13	1319496	16	PIN	
14	1319497	16	COMPRESSION SPRING	
15	8036305	2	WASHER	
16	1319499	16	CRESCENT RING	
17	1319500	4	O. CLUTCH DISC, S=2.0, (Axle) **(Prior to SN 679469)**	
17	70020485	4	O. CLUTCH DISC, S=2.0, (Axle) **(SN 679469 to Present)**	
17	1319501	4	O. CLUTCH DISC, S=2.5, (Axle) **(Prior to SN 679469)**	
17	70020486	4	O. CLUTCH DISC, S=2.5, (Axle) **(SN 679469 to Present)**	
17	1319502	4	O. CLUTCH DISC, S=3.0, (Axle) **(Prior to SN 679469)**	
17	70020487	4	O. CLUTCH DISC, S=3.0, (Axle) **(SN 679469 to Present)**	
18	1321150	6	I. CLUTCH DISC, (Axle) **(Prior to SN 824742)**	
18	70020408	6	I. CLUTCH DISC, (Axle) **(SN 824742 to Present)**	
19	1321174	2	DISC CARRIER, (Axle) **(Prior to SN 824742)**	
19	70020409	2	DISC CARRIER, (Axle) **(SN 824742 to Present)**	
20	10731949	4	RETAINING RING	
21	1319504	2	SNAP RING	
22	1319505	2	BREATHER	
23	1319506	2	SCREW PLUG	
24	8036331	2	O-RING	
25	8036445	1	ROLLER BEARING	
26	8036447	1	ROLLER BEARING	
27	1319531	2	SHIM, A=0.1	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
27	8035945	2	SHIM, A=0.15	
27	1319530	2	SHIM, A=0.2	
27	8035946	2	SHIM, A=0.25	
27	1319529	2	SHIM, A=0.3	
27	8035947	2	SHIM, A=0.35	
27	8035951	2	SHIM, A=0.4	
27	1319543	2	SHIM, A=0.45	
27	1319527	2	SHIM, A=0.5	
27	1321158	2	SHIM, A=0.55	
27	1319526	2	SHIM, A=0.6	
27	1319532	2	SHIM, A=0.65	
27	1319533	2	SHIM, A=0.7	
27	1319534	2	SHIM, A=0.75	
27	1319525	2	SHIM, A=0.8	
27	1319535	2	SHIM, A=0.85	
27	1319536	2	SHIM, A=0.9	
27	1319537	2	SHIM, A=0.95	
27	1319524	2	SHIM, A=1.0	
27	1319545	2	SHIM, A=1.05	
27	1319538	2	SHIM, A=1.1	
27	1319539	2	SHIM, A=1.15	
27	1319523	2	SHIM, A=1.2	
27	1319540	2	SHIM, A=1.25	
27	1319541	2	SHIM, A=1.3	
27	1319542	2	SHIM, A=1.35	
27	1319522	2	SHIM, A=1.4	
27	1319521	2	SHIM, A=1.45	
27	1319520	2	SHIM, A=1.5	
27	1319519	2	SHIM, A=1.55	
27	1319518	2	SHIM, A=1.6	
27	1319517	2	SHIM, A=1.65	
27	1319510	2	SHIM, A=2.0	
27	1321159	2	SHIM, A=1.47	
27	8035948	2	SHIM, A=1.63	
27	1319515	2	SHIM, A=1.75	
27	1319516	2	SHIM, A=1.7	
27	1319514	2	SHIM, A=1.8	
27	1319513	2	SHIM, A=1.85	
27	1319512	2	SHIM, A=1.9	
27	1319511	2	SHIM, A=1.95	
28	1319502	16	O. CLUTCH DISC, S=3.0, (Axle) **(Prior to SN 679469)**	
28	70020486	8	O. CLUTCH DISC, S=2.5, (Axle) **(SN 679469 to Present)**	
28	70020487	8	O. CLUTCH DISC, S=3.0, (Axle) **(SN 679469 to Present)**	
29		Ref	DIFFERENTIAL, (see REAR AXLE - DIFFERENTIAL for Breakdown)	
N1	Note	NLA	PARTS ARE NO LONGER AVAILABLE; ORDER BRAKE HOUSINGS 70020483 & 70020484, QUANTITY REQUIRED OF OUTER DISCS 70020485, 70020486 & 70020487, QUANTITY 2 OF 70020413 END PLATES	

FIGURE 5-27. REAR AXLE - M-DISC BRAKE (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

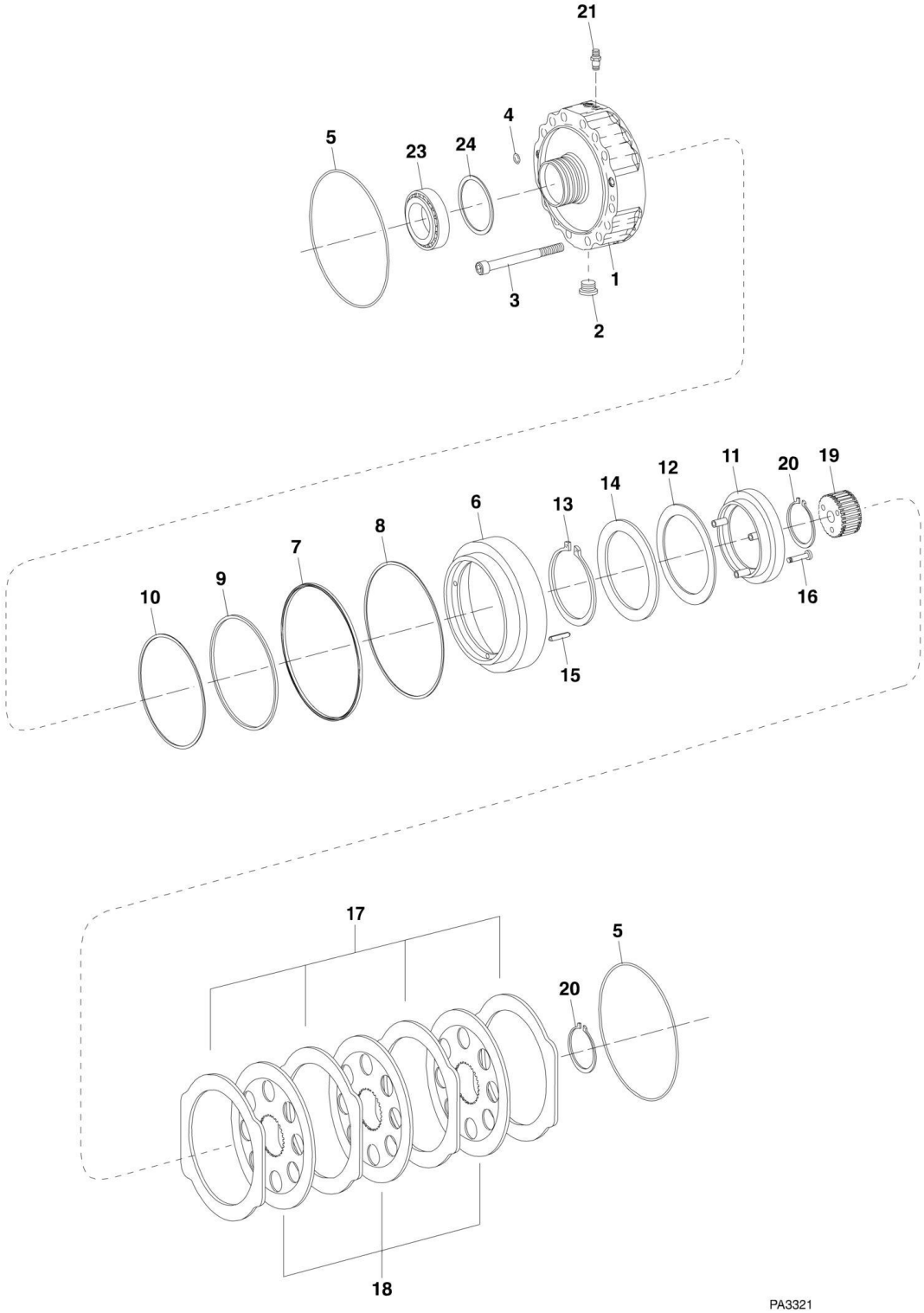


FIGURE 5-27. REAR AXLE - M-DISC BRAKE (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**REAR AXLE - M-DISC BRAKE**	
	1001116838	REF	REAR AXLE - M-DISC BRAKE (8042) **(8042 SN 0160038967 through 0160045249; Including 0160045255)**	
	1001103633	REF	REAR AXLE - M-DISC BRAKE (10042,10054) **(10042 SN 0160038368 to Present; 10054 SN 0160038740 to Present, Including 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
1	70022282	2	BRAKE HOUSING	
2	70023404	2	SCREW PLUG (8042)	
2	1319578	2	SCREW PLUG (10042,10054)	
3	70022209	6	CAP SCREW, M12X105	
4	8036847	10	O-RING	
5	80304462	4	O-RING	
6	70022250	2	PISTON	
7	70022190	2	PISTON PACKING	
8	70022193	2	BACKUP RING	
9	70022189	2	PISTON PACKING	
10	70022194	2	BACKUP RING	
11	70022236	2	RING	
12	70022183	2	CUP SPRING	
13	70022198	2	RETAINING RING	
14	70022235	2	WASHER	
15	70022186	8	SLOT PIN	
16	1319214	6	CAP SCREW, M8X40	
17	70022196	8	O.CLUTCH DISC	
18	70022176	6	I.CLUTCH DISC	
19	70022253	2	DISC CARRIER	
20	10731949	4	RETAINING RING	
21	70022171	2	BREATHER	
22	70022215	2	SCREW PLUG (not shown) (10042,10054)	
23	8036447	2	BEARING	
24	1319537	AR	SHIM, A=0.95	
24	1319545	AR	SHIM, A=1.05	
24	1319539	AR	SHIM, A=1.15	
24	1319540	AR	SHIM, A=1.25	
24	1319542	AR	SHIM, A=1.35	

FIGURE 5-28. REAR AXLE - BRAKE (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

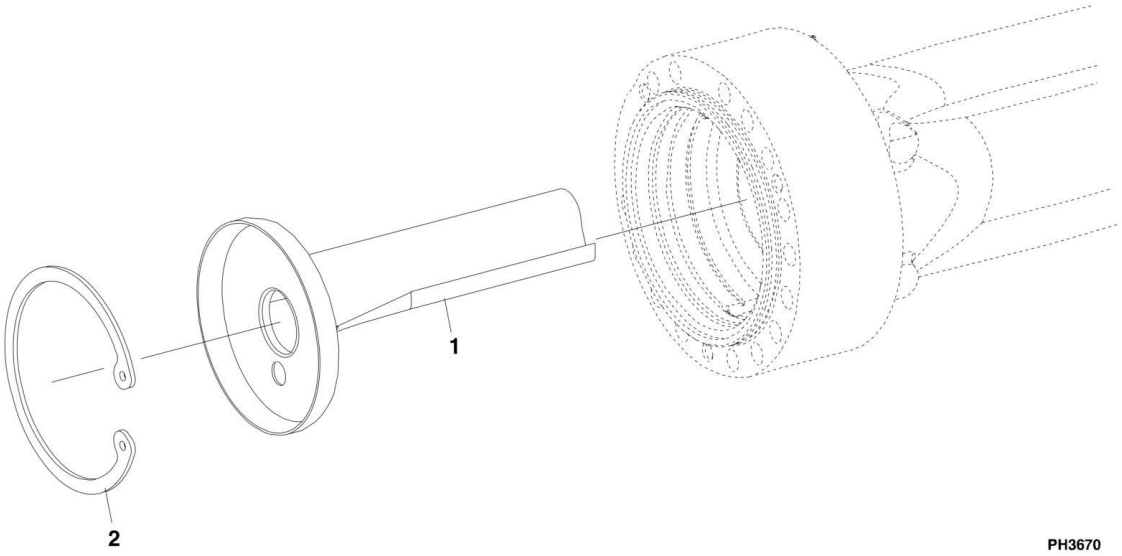


FIGURE 5-28. REAR AXLE - BRAKE (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1321172	2	PIN CARRIER	
2	1321178	2	RETAINING RING	

FIGURE 5-29. REAR AXLE - JOINT HOUSING (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

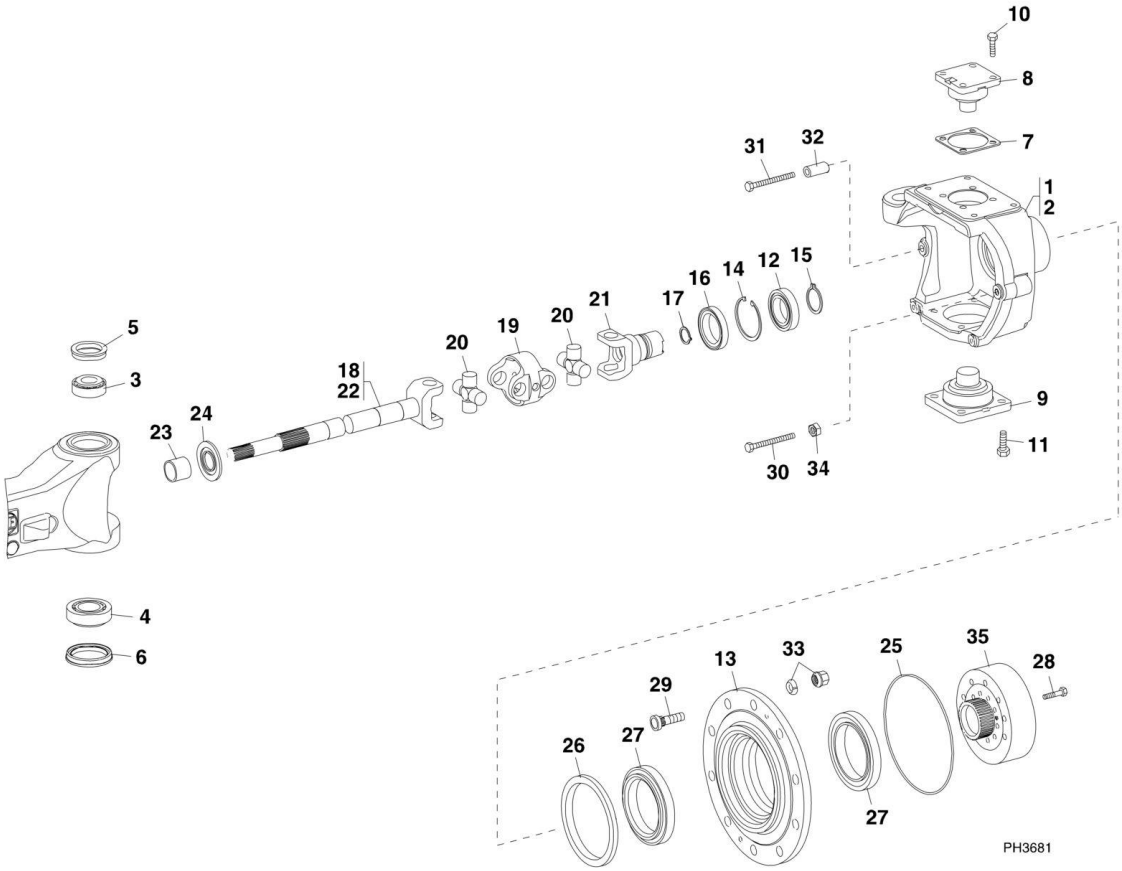


FIGURE 5-29. REAR AXLE - JOINT HOUSING (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19987, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**REAR AXLE - JOINT HOUSING**	
	8040264	REF	REAR AXLE - JOINT HOUSING (8042) **(8042 SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)**	
	8040272	REF	REAR AXLE - JOINT HOUSING (10042) **(10042 SN 13198 through 17975)**	
	8040285	REF	REAR AXLE - JOINT HOUSING (10042,10054) **(10042 SN 17978 through 19987, SN 0160002332 through 0160038367, Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 17975 through 19987, SN 0160002332 through 0160038739)**	
1	1321245	1	JOINT HOUSING, (left side)	
2	1321246	1	JOINT HOUSING, (right side)	
3	1319444	2	ROLLER BEARING	
4	1319445	2	ROLLER BEARING	
5	8036338	2	MULTI SEAL RING	
6	1319447	2	SHAFT SEAL	
7	1319448	2	SHIM, S=0.2	
7	1319449	2	SHIM, S=0.3	
7	1319450	2	SHIM, S=0.4	
7	1319451	2	SHIM, S=0.6	
7	1319452	2	SHIM, S=0.8	
7	1319453	2	SHIM, S=1.0	
7	1319454	2	SHIM, S=1.2	
7	1319455	2	SHIM, S=1.4	
7	1319456	2	SHIM, S=1.6	
7	1319457	2	SHIM, S=1.8	
7	1319458	2	SHIM, S=2.0	
7	1319459	2	SHIM, S=0.7	
7	1319460	2	SHIM, S=0.5	
8	1319461	2	BEARING PIN	
9	1319462	2	BEARING PIN	
10	1319463	8	HEX SCREW	
11	1319464	8	HEX SCREW	
12	1321157	2	BALL BEARING	
13	1321239	2	HUB	
14	1319210	2	RETAINING RING	
15	80304405	2	RETAINING RING	
16	7028977	2	SHAFT SEAL	
17	1321226	2	RETAINING RING	
18	7028979	NLA	UNIVERSAL COUPLING DRIVE SHAFT, (not maintenance free), (Axle), (no longer available, use 70022052 for replacement), (includes items 19 thru 24) **(Prior to SN 720124)**	
18	70022052	2	UNIVERSAL COUPLING DRIVE SHAFT, (maintenance free), (Axle), (includes items 19 thru 24) **(SN 720125 to Present)**	
19	8035992	2	CENTRAL PIECE, (Axle), (see note N1) **(Prior to SN 720124)**	
19	70021553	2	CENTRAL PIECE, (Axle) **(SN 720125 to Present)**	
20	8035993	4	JOINT CROSS, (Axle), (see note N1) **(Prior to SN 720124)**	
20	70021554	4	JOINT CROSS, (Axle) **(SN 720125 to Present)**	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
21	8035994	2	JOINT FORK	
22	8035995	2	JOINT COUPLING FORK	
23	8035973	2	BUSHING	
24	8035996	2	SCREEN SHEET	
25	1321155	2	O-RING	
26	80304173	2	SHAFT SEAL	
27	1319472	4	ROLLER BEARING	
28	8035997	20	HEX SCREW	
29	1101056	20	WHEEL BOLT	
30	1319476	2	STOP SCREW	
31	8036330	2	STOP SCREW	
32	7139743	2	SPACER TUBE (used with rock tires only) (8042)	
32	7026664	2	SPACER TUBE (used with rock tires only) (10042,10042,10054,10054)	
33		Ref	FLANGE WHEEL NUT AND SPHERICAL WASHER SERVICE KIT, (See Drive Train Components for Break down)	
34	1319477	2	HEX NUT	
35		Ref	RING GEAR, (See Rear Axle-Planetary Drive for Break down)	
N1	Note	Ref	IF REPLACING BOTH 8035992 CENTRAL PIECE 8035993 JOINT CROSS (NOT MAINTENANCE FREE) CAN REPLACE WITH 70021553 CENTRAL PIECE AND 70021554 JOINT CROSS (MAINTENANCE FREE).	

FIGURE 5-30. REAR AXLE - JOINT HOUSING (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

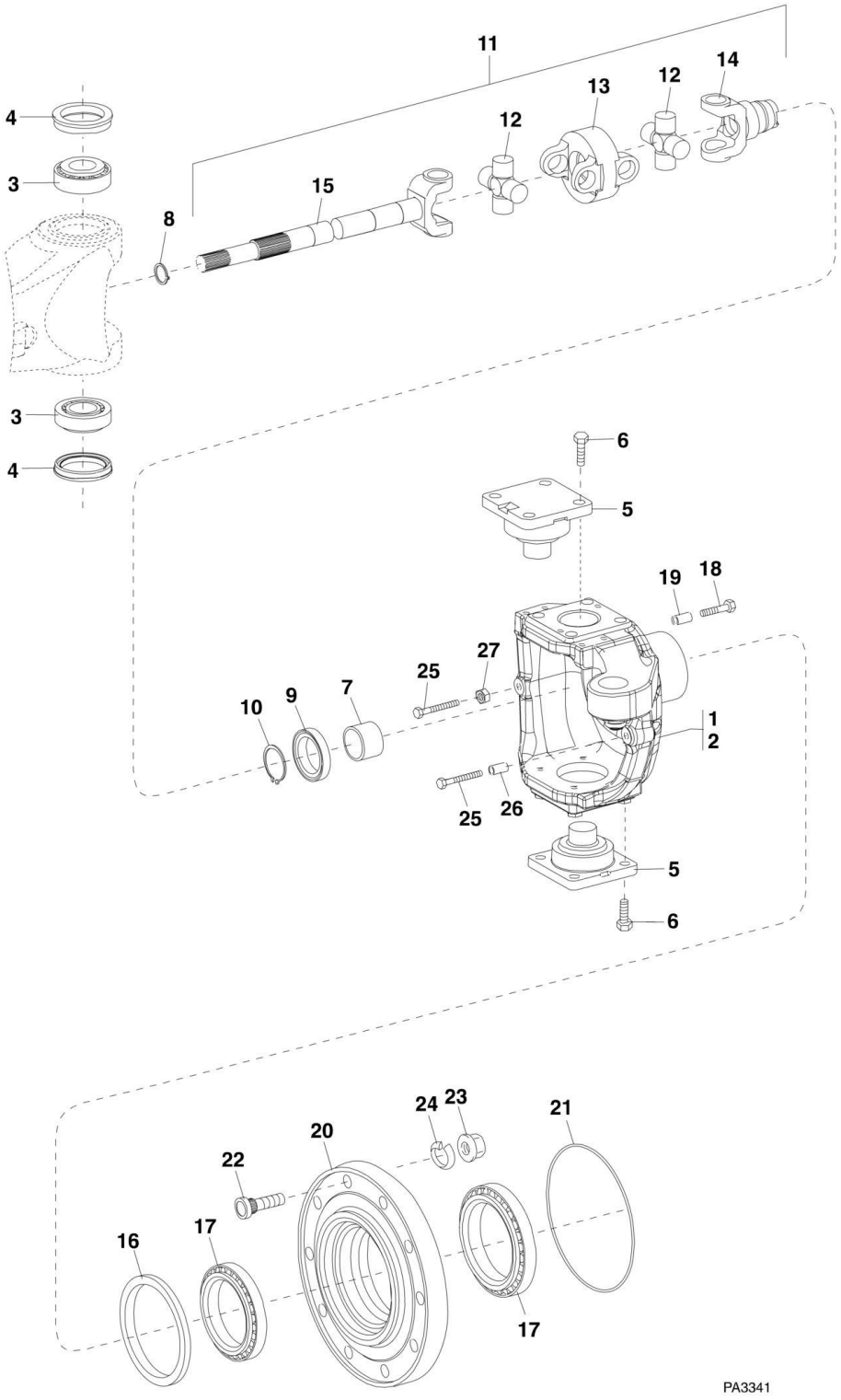


FIGURE 5-30. REAR AXLE - JOINT HOUSING (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**REAR AXLE - JOINT HOUSING**	
	1001116838	REF	REAR AXLE - JOINT HOUSING (8042) **(8042 SN 0160038967 through 0160045249; Including 0160045255)**	
	1001103633	REF	REAR AXLE - JOINT HOUSING (10042,10054) **(10042 SN 0160038368 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
1	70022237	1	JOINT HOUSING, (right side)	
2	70022238	1	JOINT HOUSING, (left side)	
3	70022223	4	ROLLER BEARING	
4	1319447	4	SHAFT SEAL	
5	70022240	4	BEARING PIN	
6	1319464	16	HEX SCREW, M16X40	
7	70022179	2	BUSHING	
8	10731789	2	RETAINING RING	
9	70022218	2	SHAFT SEAL	
10	1321226	2	RETAINING RING	
11	70022781	2	UNIVERSAL COUPLING DRIVE SHAFT ASSY (includes items 12 thru 15) (8042)	
11	70022170	2	UNIVERSAL COUPLING DRIVE SHAFT ASSY (includes items 12 thru 15) (10042,10054)	
12	70021554	2	JOINT CROSS	
13	70022782	1	CENTRAL PIECE (8042)	
13	70021553	1	CENTRAL PIECE (10042,10054)	
14	70022187	1	FORK SHAFT	
15	70022188	1	FORK SHAFT	
16	80304173	2	SHAFT SEAL	
17	1319472	4	ROLLER BEARING	
18	70023405	16	HEX SCREW (8042)	
18	70022208	16	HEX SCREW, M14X70 (10042,10054)	
19	70022234	16	CENTERING BUSHING	
20	70022249	2	HUB	
21	70022203	2	O-RING	
22	70022230	20	WHEEL BOLT	
23		Ref	WHEEL NUT, (See DRIVE TRAIN COMPONENTS for Break down)	
24		Ref	SPRING WASHER, (See DRIVE TRAIN COMPONENTS for Break down)	
25	8036330	4	STOP SCREW, M14X1.5	
26	70022257	2	SPACER TUBE (8042)	
26	70022276	2	SPACER TUBE (10042,10054)	
27	1319477	2	HEX NUT, M14X1.5	

FIGURE 5-31. REAR AXLE - PLANETARY DRIVE (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19904, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

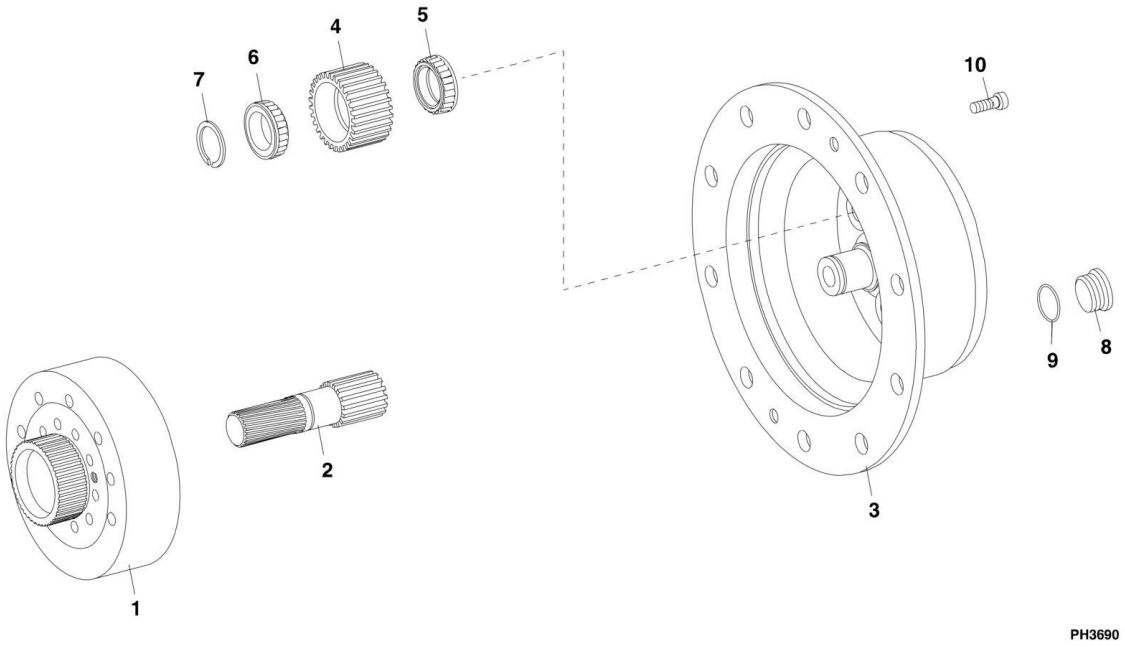


FIGURE 5-31. REAR AXLE - PLANETARY DRIVE (8042 SN 13198 through 19987, SN 0160002332 through 0160038967; 10042 SN 13198 through 19904, SN 0160002332 through 0160038368; 10054 SN 13198 through 19987, SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**REAR AXLE - PLANETARY DRIVE**	
	8040264	REF	REAR AXLE - PLANETARY DRIVE **(8042 SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)**	
	8040272	REF	REAR AXLE - PLANETARY DRIVE **(10042 SN 13198 through 17975)**	
	8040285	REF	REAR AXLE - PLANETARY DRIVE **(10042 SN 17978 through 19987, SN 0160002332 through 0160038367, Including 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 17975 through 19987, SN 0160002332 through 0160038739)**	
1	1321247	2	RING GEAR	
2	1321242	2	SUN GEAR SHAFT	
3	1321238	2	PLANET CARRIER (10042,10042,10054,10054,8042,8042) **(8042 SN 13198 through 19987; 10042 SN 13198 through 17977; 10054 SN 13204 through 17974; SN 0160002332 through 0160038966)**	
3	8036414	2	PLANET CARRIER (10042,10054) **(10042 SN 17987 through 19987; 10054 SN 1795 through 19987; SN 0160002332 through 0160045249, SN 0160002332 through 0160045249, Including 0160045255 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
4	1321231	6	PLANET GEAR, (for planet carrier, 1321238)	
4	1321231	8	PLANET GEAR, (for planet carrier, 8036414)	
5	1319483	6	BEARING INNER RING, (for planet carrier, 1321238)	
5	1319483	8	BEARING INNER RING, (for planet carrier, 8036414)	
6	1319484	6	BEARING INNER RING, (for planet carrier, 1321238)	
6	1319484	8	BEARING INNER RING, (for planet carrier, 8036414)	
7	1319485	6	SNAP RING, (for planet carrier, 1321238)	
7	1319485	8	SNAP RING, (for planet carrier, 8036414)	
8	1319506	2	SCREW PLUG	
9	8036331	2	O-RING	
10	8035977	4	CAPSCREW	

FIGURE 5-32. REAR AXLE - PLANETARY DRIVE (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

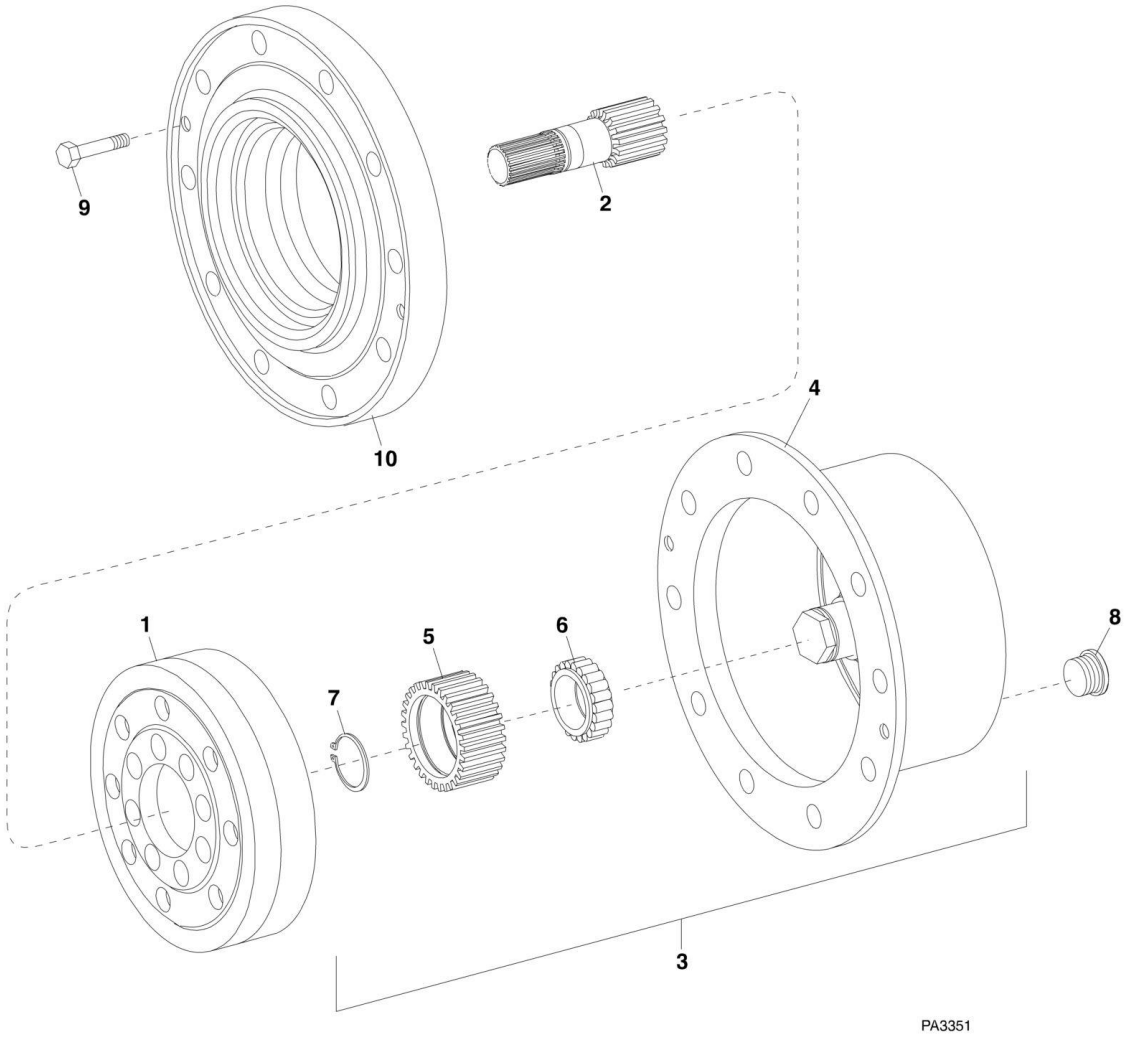
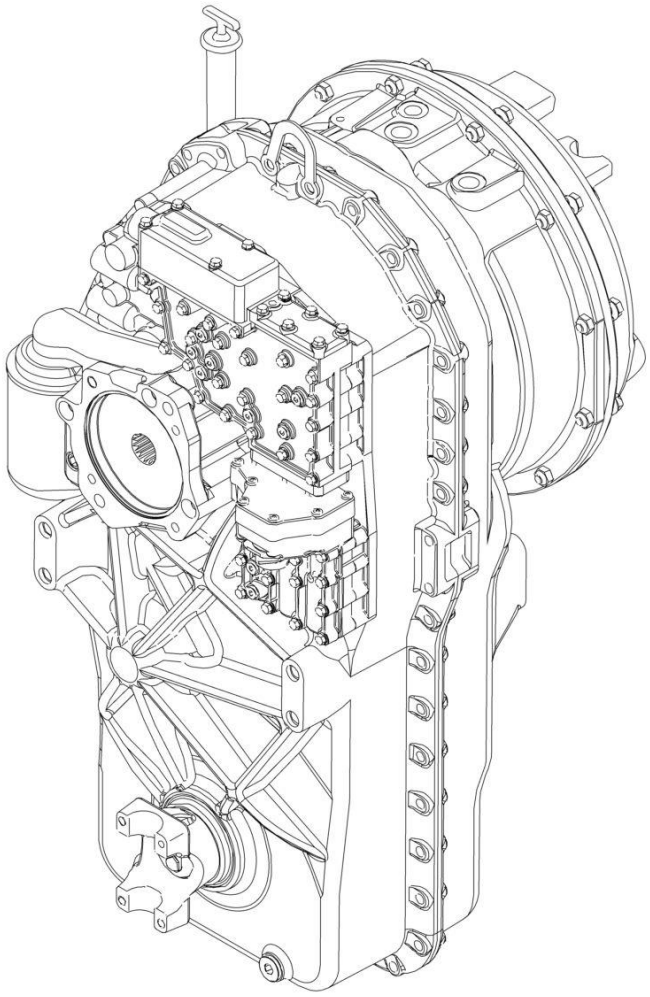


FIGURE 5-32. REAR AXLE - PLANETARY DRIVE (8042 SN 0160038967 through 0160045249, Excluding 0160038971 and 0160038984; 10042 SN 0160038368 through 0160045249, Excluding 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721, 0160036723 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**REAR AXLE - PLANETARY DRIVE**	
	1001116838	REF	REAR AXLE - PLANETARY DRIVE **(8042 SN 0160038967 through 0160045249; Including 0160045255)**	
	1001103633	REF	REAR AXLE - PLANETARY DRIVE **(10042 SN 0160038368 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
1	70022242	1	RING GEAR	
2	70022784	2	SUN GEAR SHAFT (8042)	
2	70022239	2	SUN GEAR SHAFT (10042,10054)	
3	70022281	2	PLANETARY CARRIER ASSY, (includes items 4 thru 7)	
4	70022283	1	PLANETARY CARRIER	
5	70022243	3	PLANETARY GEAR	
6	70022785	4	CYL. ROLLER BEARING (8042)	
6	70022221	4	CYL. ROLLER BEARING (10042,10054)	
7	70022197	4	RETAINING RING	
8	70023404	2	SCREW PLUG (8042)	
8	1319578	2	SCREW PLUG (10042,10054)	
9	70022207	4	HEX SCREW, M12X30	
10		Ref	HUB, (see REAR AXLE-JOINT HOUSING for Break down)	

FIGURE 5-33. TRANSMISSION



ART_8841036_1-C

FIGURE 5-33. TRANSMISSION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION ASSEMBLY	C
		Ref	Transmission - Engine Connection and Converter (See Separate Breakdown in this Section)	
		Ref	Transmission - Input Shafts (See Separate Breakdown in this Section)	
		Ref	Transmission - Gearbox Housing (See Separate Breakdown in this Section)	
		Ref	Transmission - Coupling Group 1 (See Separate Breakdown in this Section)	
		Ref	Transmission - Coupling Group 2 (See Separate Breakdown in this Section)	
		Ref	Transmission - Coupling Group 3 (See Separate Breakdown in this Section)	
		Ref	Transmission - Coupling Group 4 (See Separate Breakdown in this Section)	
		Ref	Transmission - Reversing Gear Group 1 (See Separate Breakdown in this Section)	
		Ref	Transmission - Reversing Gear Group 2 (See Separate Breakdown in this Section)	
		Ref	Transmission - Output (See Separate Breakdown in this Section)	
		Ref	Transmission - Control Unit (See Separate Breakdown in this Section)	
		Ref	Transmission - Valve Housing Assembly (See Separate Breakdown in this Section)	
		Ref	Transmission - Valve Block Assembly (See Separate Breakdown in this Section)	
		Ref	Transmission - Oil Pump and Filter (See Separate Breakdown in this Section)	

FIGURE 5-34. TRANSMISSION, ENGINE CONNECTION AND CONVERTER

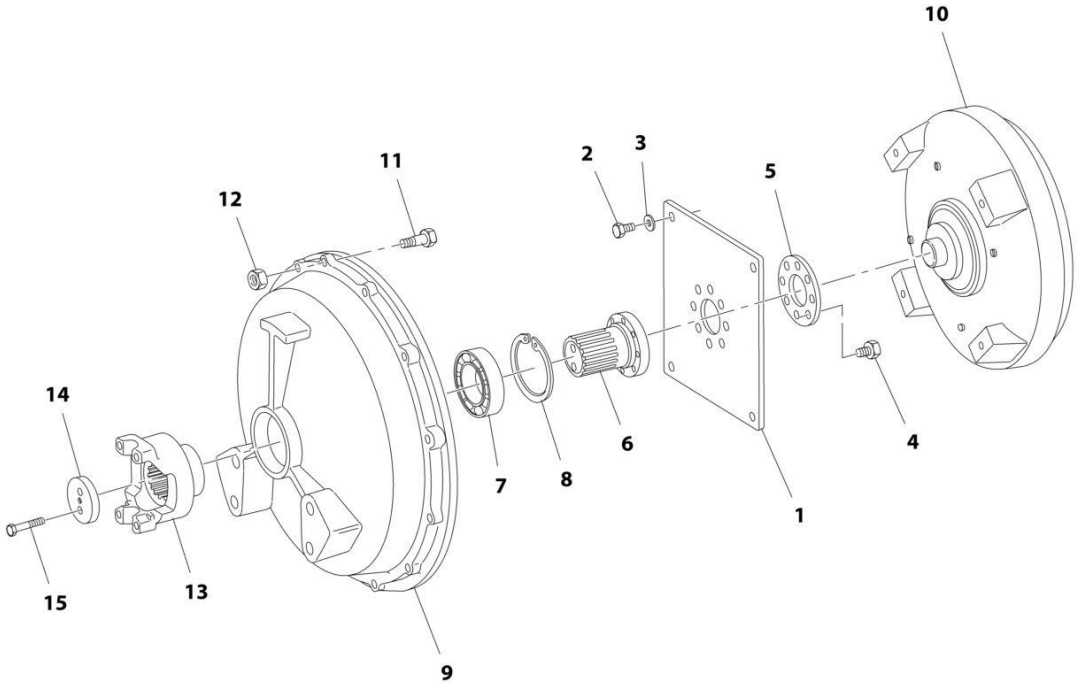


FIGURE 5-34. TRANSMISSION, ENGINE CONNECTION AND CONVERTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - ENGINE CONNECTION AND CONVERTER	
1	1319203	1	Diaphragm	
2	1319204	4	Bolt, M10X18	
3	10732095	4	Washer	
4	10731702	8	Bolt, M10X16	
5	1319213	1	Washer	
6	70023482	1	Shaft, Input	
7	1319209	1	Bearing, Ball	
8	1319210	1	Ring, Retaining	
9	8036021	1	Cover	
10	8036022	1	Converter	
11	10731748	12	Bolt, M10X45	
12	10731751	12	Nut, M10	
13	1319211	1	Yoke, End	
14	1319205	1	Washer	
15	70023483	2	Bolt	

FIGURE 5-35. TRANSMISSION, INPUT SHAFTS

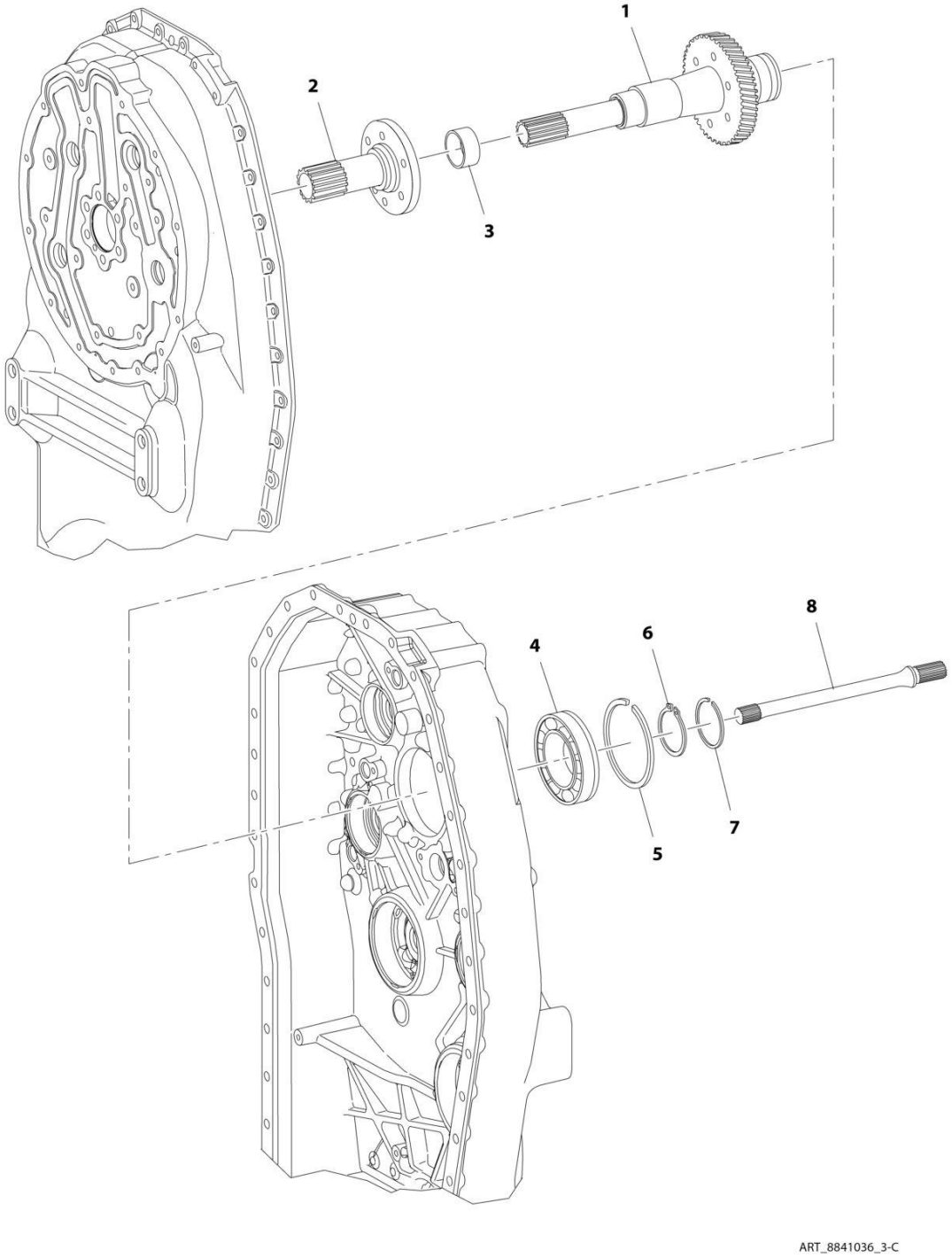


FIGURE 5-35. TRANSMISSION, INPUT SHAFTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - INPUT SHAFTS	
1	8036023	1	Shaft, Turbine	
2	1319557	1	Shaft, Stator	
3	1319558	1	Bushing, Bearing	
4	1319563	1	Bearing, Ball	
5	10731913	1	Ring, Snap	
6	80304405	1	Ring, Retaining	
7	1319565	1	Ring, Piston	
8	1319566	1	Shaft, Central	

FIGURE 5-36. TRANSMISSION, GEARBOX HOUSING

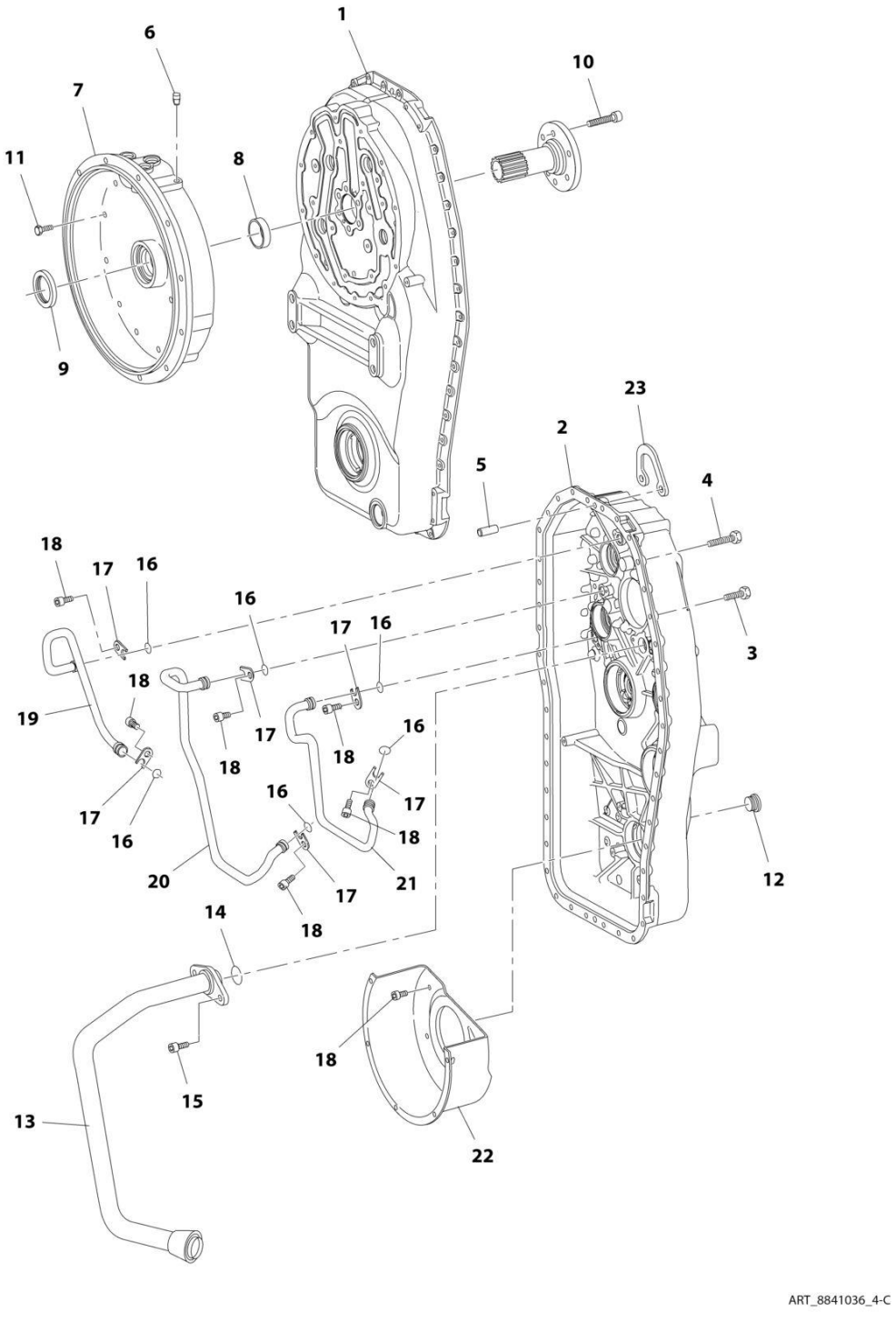


FIGURE 5-36. TRANSMISSION, GEARBOX HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - GEARBOX HOUSING	
1	8036024	1	Housing I	
2	8036025	1	Housing II	
3	1319569	36	Bolt, M10X30	
4	1319570	6	Bolt, M10X50	
5	1319571	2	Pin, Cylindrical M6X24	
6	10731744	1	Breather	
7	1319574	1	Bell, Converter	
8	1319575	1	Bushing, Bearing	
9	1319576	1	Seal, Shaft	
10	1319577	6	Screw, M10X50	
11	1319569	23	Bolt, M10X30	
12	70023404	1	Plug, Screw	
13	8036026	1	Pipe, Oil Suction	
14	70023885	1	O-Ring	
15	1319582	2	Screw, M8X20	
16	1319583	6	O-Ring	
17	1319584	6	Plate, Fixing	
18	1319585	11	Screw, M8X16	
19	1319586	1	Pipe	
20	1319587	1	Pipe	
21	8036027	1	Pipe	
22	8036028	1	Sheet, Screen	
23	1319590	1	Bracket	

FIGURE 5-37. TRANSMISSION, COUPLING GROUP 1

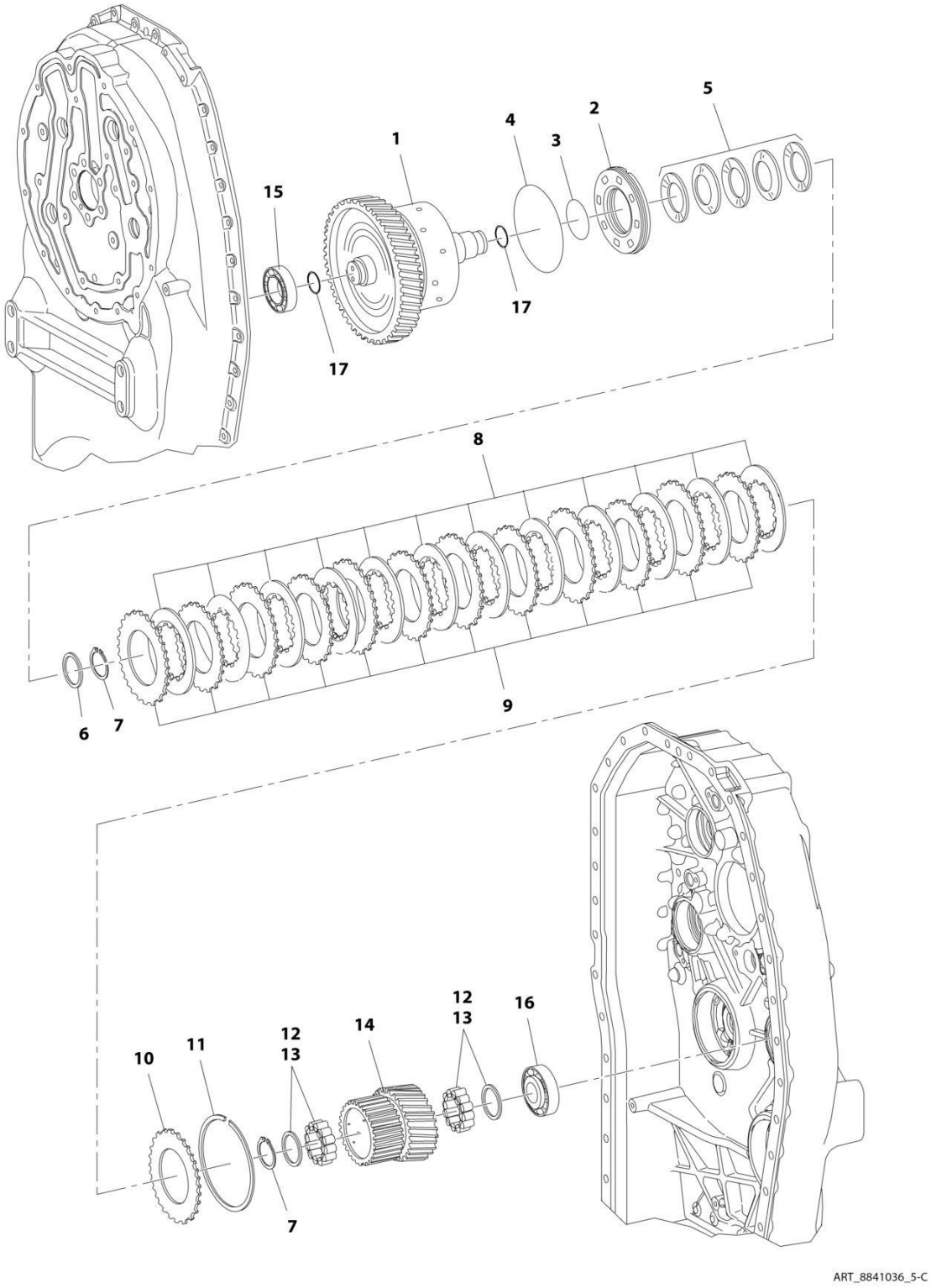


FIGURE 5-37. TRANSMISSION, COUPLING GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - COUPLING GROUP 1	
1	1319591	1	Coupling	
2	1319592	1	Piston	
3	1319593	1	O-Ring, 52X3	
4	1319594	1	O-Ring, 115X3	
5	1319595	5	Spring, Cup	
6	1319596	1	Shim	
7	10731845	2	Ring, Retaining	
8	7026758	12	Disc, Inner Clutch	
9	7026759	12	Disc, Outer Clutch	
10	7026760	1	Shim, End	
11	1319600	1	Ring, Snap 4	
11	1319601	1	Ring, Snap 3-1/2	
11	1319602	1	Ring, Snap 3	
11	1319603	1	Ring, Snap 2-1/2	
11	1319604	1	Ring, Snap 2	
12	1319605	2	Cage, Roller	
13	1319606	2	Cage, Roller	
14	1319607	1	Carrier, Disc	
15	1319608	1	Bearing, Roller	
16	1319609	1	Bearing, Roller	
16	1319610	1	Bearing, Roller	
16	1319611	1	Bearing, Roller	
17	1319612	2	Ring, Piston 30X2	

FIGURE 5-38. TRANSMISSION, COUPLING GROUP 2

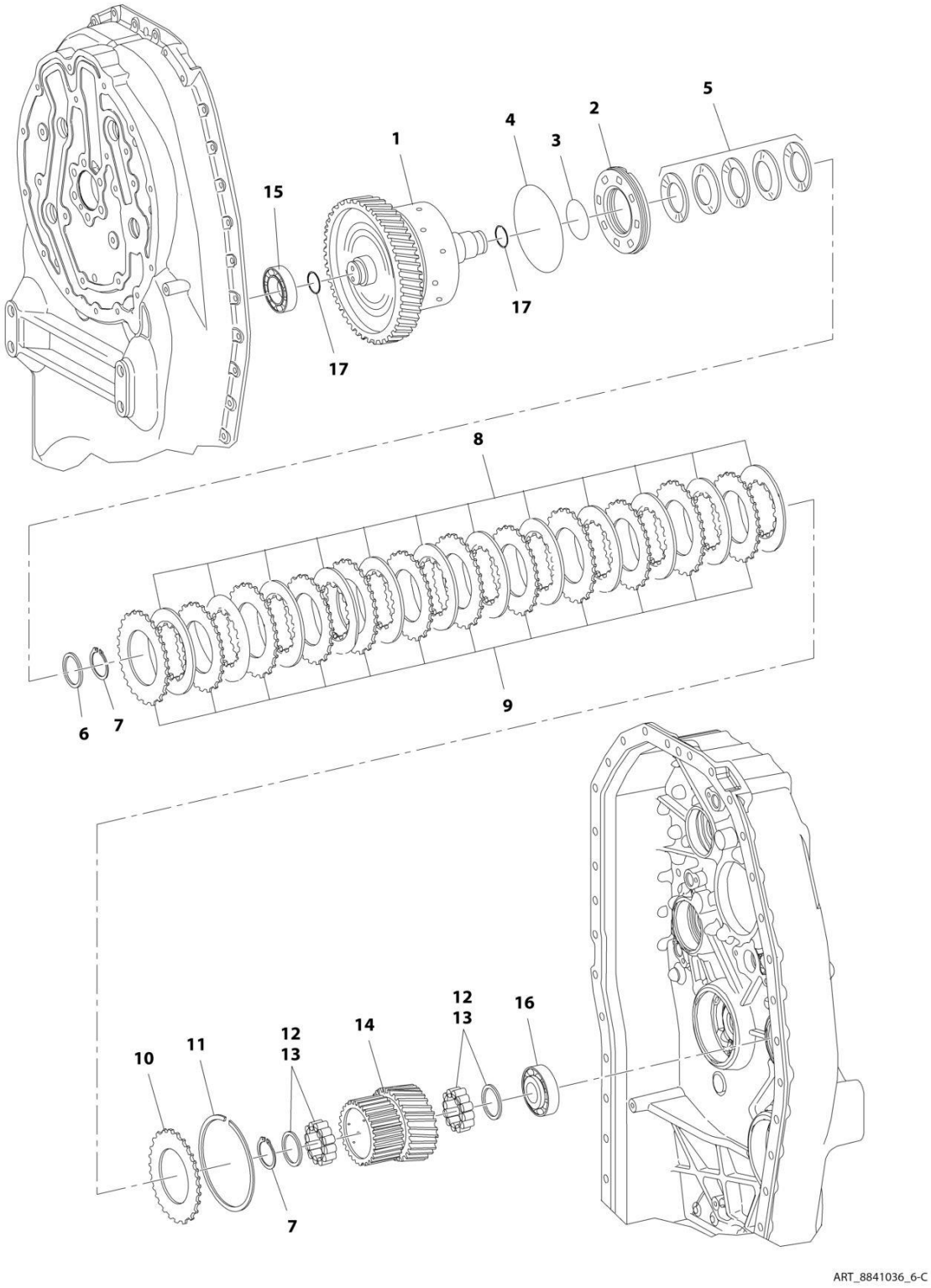


FIGURE 5-38. TRANSMISSION, COUPLING GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - COUPLING GROUP 2	
1	1319613	1	Coupling	
2	8036029	1	Piston	
3	1319593	1	O-Ring, 52X3	
4	1319594	1	O-Ring, 115X3	
5	1319595	5	Spring, Cup	
6	1319596	1	Shim	
7	10731845	2	Ring, Retaining	
8	7026758	8	Disc, Inner Clutch	
9	7026759	8	Disc, Outer Clutch	
10	7026760	1	Shim, End	
11	1319600	1	Ring, Snap 4	
11	1319601	1	Ring, Snap 3-1/2	
11	1319602	1	Ring, Snap 3	
11	1319603	1	Ring, Snap 2-1/2	
11	1319604	1	Ring, Snap 2	
12	1319605	2	Cage, Roller	
13	1319606	2	Cage, Roller	
14	1319614	1	Carrier, Disc	
15	1319615	1	Bearing, Roller	
16	8036190	1	Assembly, Roller Bearing	
16	7029532	1	Ring, Outer	
16	7029533	1	Ring, Inner	
17	1319612	2	Ring, Piston 30X2	

FIGURE 5-39. TRANSMISSION, COUPLING GROUP 3

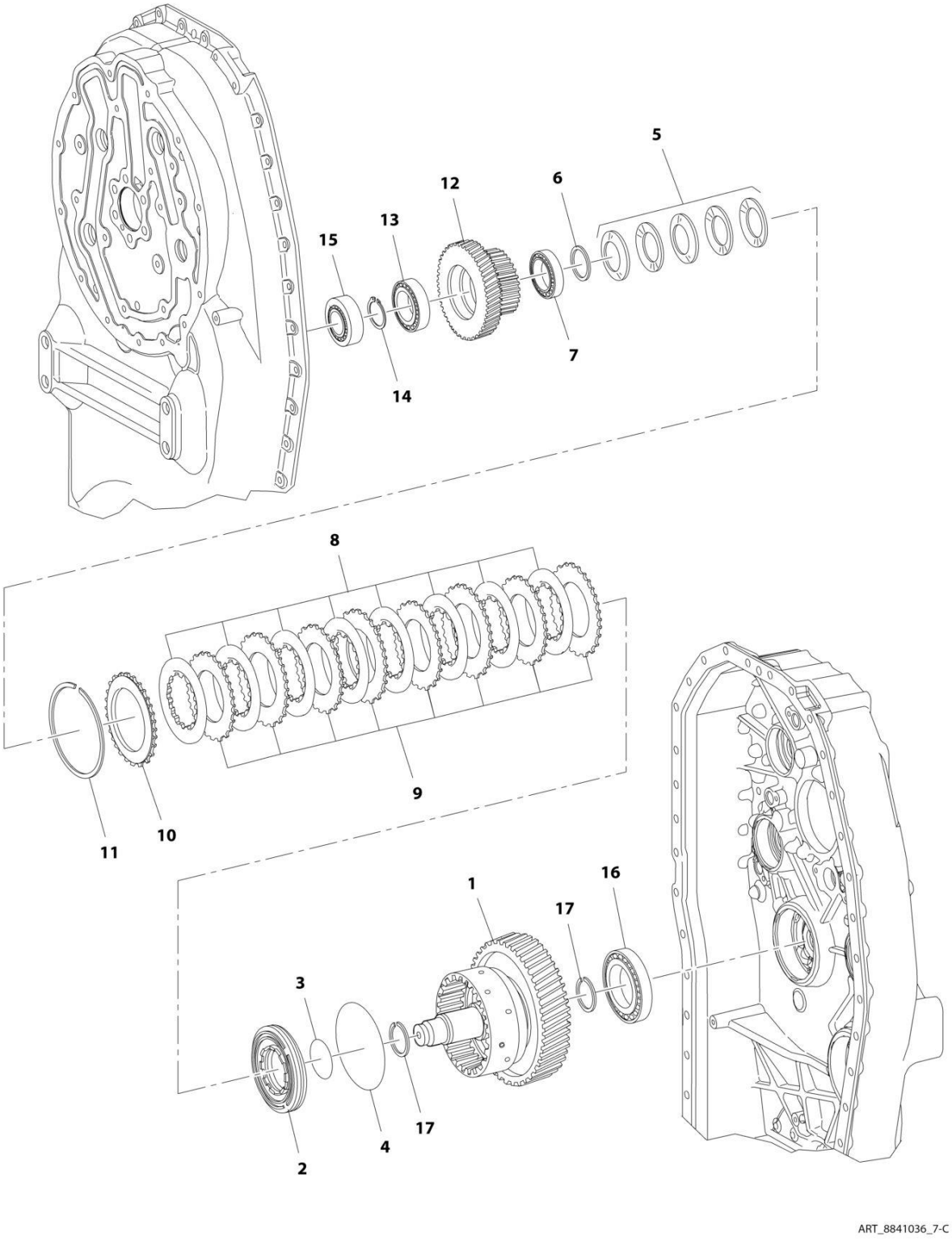


FIGURE 5-39. TRANSMISSION, COUPLING GROUP 3

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - COUPLING GROUP 3	
1	1319616	1	Coupling	
2	8036029	1	Piston	
3	1319593	1	O-Ring, 52X3	
4	1319594	1	O-Ring, 115X3	
5	1319595	5	Spring, Cup	
6	1319617	1	Shim, Support	
7	1319618	1	Bearing, Roller	
8	7026758	8	Disc, Inner Clutch	
9	7026759	8	Disc, Outer Clutch	
10	7026760	1	Shim, End	
11	1319600	1	Ring, Snap 4	
11	1319601	1	Ring, Snap 3-1/2	
11	1319602	1	Ring, Snap 3	
11	1319603	1	Ring, Snap 2-1/2	
11	1319604	1	Ring, Snap 2	
12	1319619	1	Carrier, Disc	
13	1319620	1	Bearing, Roller	
14	1319621	1	Ring, Retaining 3.2	
14	1319622	1	Ring, Retaining 3.1	
14	1319623	1	Ring, Retaining 3	
14	1319624	1	Ring, Retaining 2.9	
14	1319625	1	Ring, Retaining 2.8	
14	1319626	1	Ring, Retaining 2.7	
14	1319627	1	Ring, Retaining 2.6	
14	1319628	1	Ring, Retaining 2.5	
14	1319629	1	Ring, Retaining 2.4	
14	1319630	1	Ring, Retaining 2.3	
14	1319631	1	Ring, Retaining 2.2	
14	1319632	1	Ring, Retaining 2.1	
15	8036190	1	Assembly, Roller Bearing	
15	7029532	1	Ring, Outer	
15	7029533	1	Ring, Inner	
16	1319633	1	Bearing, Roller	
17	1319612	2	Ring, Piston 30X2	

FIGURE 5-40. TRANSMISSION, COUPLING GROUP 4

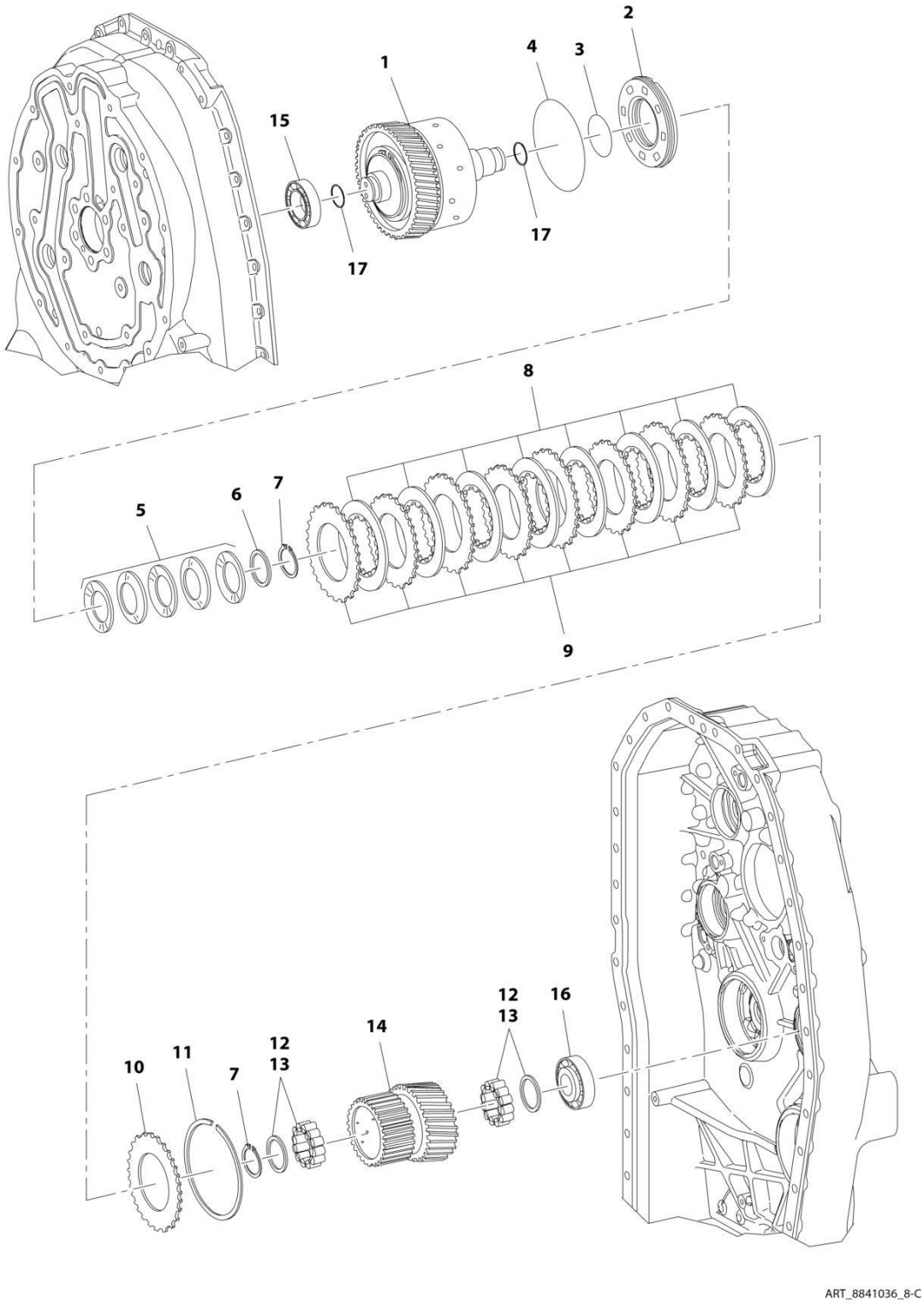


FIGURE 5-40. TRANSMISSION, COUPLING GROUP 4

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - COUPLING GROUP 4	
1	1319634	1	Coupling	
2	8036029	1	Piston	
3	1319593	1	O-Ring, 52X3	
4	1319594	1	O-Ring, 115X3	
5	1319595	5	Spring, Cup	
6	1319596	1	Shim	
7	10731845	2	Ring, Retaining	
8	7026758	8	Disc, Inner Clutch	
9	7026759	8	Disc, Outer Clutch	
10	7026760	1	Shim, End	
11	1319600	1	Ring, Snap 4	
11	1319601	1	Ring, Snap 3-1/2	
11	1319602	1	Ring, Snap 3	
11	1319603	1	Ring, Snap 2-1/2	
11	1319604	1	Ring, Snap 2	
12	1319605	2	Cage, Roller	
13	1319606	2	Cage, Roller	
14	1319635	1	Carrier, Disc	
15	1319615	1	Bearing, Roller	
16	1319636	1	Bearing, Roller	
17	1319612	2	Ring, Piston 30X2	

FIGURE 5-41. TRANSMISSION, REVERSING GEAR GROUP 1

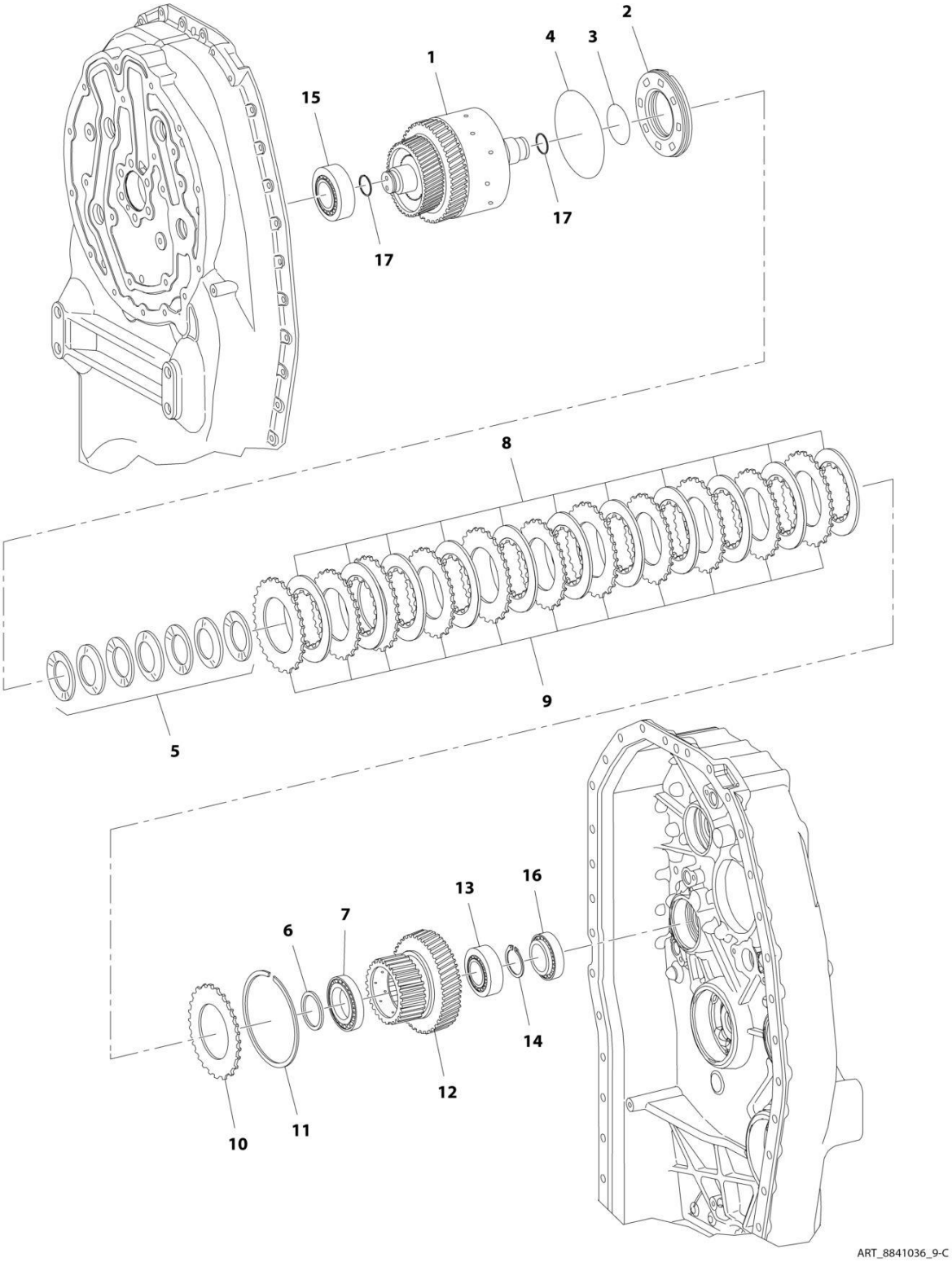


FIGURE 5-41. TRANSMISSION, REVERSING GEAR GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - REVERSE GEAR GROUP 1	
1	1319637	1	Coupling	
2	8036029	1	Piston	
3	1319593	1	O-Ring, 52X3	
4	1319594	1	O-Ring, 115X3	
5	1319595	7	Spring, Cup	
6	1319617	1	Shim, Support	
7	1319618	1	Bearing, Roller	
8	7026758	11	Disc, Inner Clutch	
9	7026759	11	Disc, Outer Clutch	
10	7026760	1	Shim, End	
11	1319600	1	Ring, Snap 4	
11	1319601	1	Ring, Snap 3-1/2	
11	1319602	1	Ring, Snap 3	
11	1319603	1	Ring, Snap 2-1/2	
11	1319604	1	Ring, Snap 2	
12	1319638	1	Disc, Carrier	
13	1319620	1	Bearing, Roller	
14	1319621	1	Ring, Retaining 3.2	
14	1319622	1	Ring, Retaining 3.1	
14	1319623	1	Ring, Retaining 3	
14	1319624	1	Ring, Retaining 2.9	
14	1319625	1	Ring, Retaining 2.8	
14	1319626	1	Ring, Retaining 2.7	
14	1319627	1	Ring, Retaining 2.6	
14	1319628	1	Ring, Retaining 2.5	
14	1319629	1	Ring, Retaining 2.4	
14	1319630	1	Ring, Retaining 2.3	
14	1319631	1	Ring, Retaining 2.2	
14	1319632	1	Ring, Retaining 2.1	
15	1319615	1	Bearing, Roller	
16	1319636	1	Bearing, Roller	
17	1319612	2	Ring, Piston 30X2	

FIGURE 5-42. TRANSMISSION, REVERSING GEAR GROUP 2

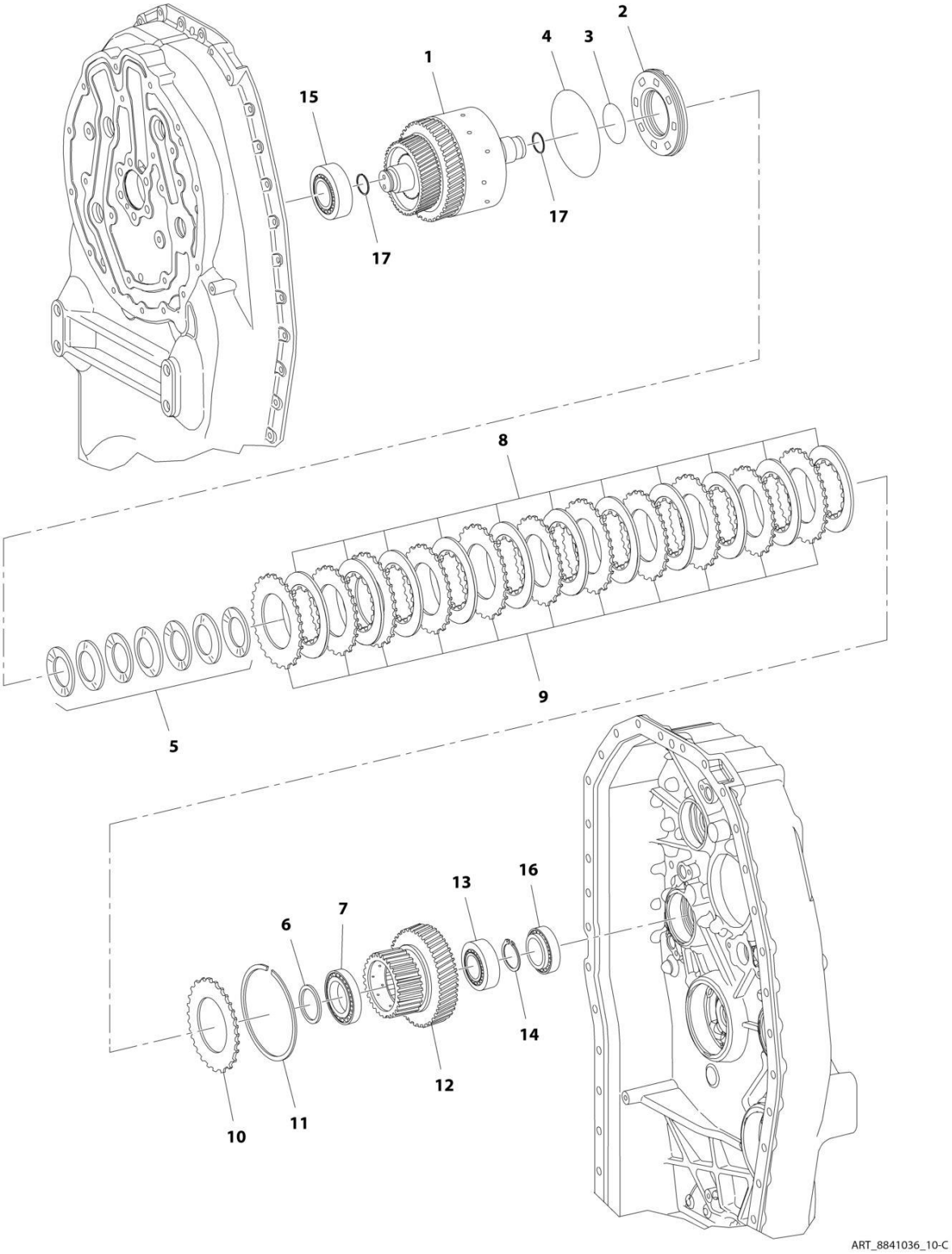


FIGURE 5-42. TRANSMISSION, REVERSING GEAR GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - REVERSING GEAR GROUP 2	
1	1319639	1	Coupling	
2	8036029	1	Piston	
3	1319593	1	O-Ring, 52X3	
4	1319594	1	O-Ring, 115X3	
5	1319595	7	Spring, Cup	
6	1319617	1	Shim, Support	
7	1319618	1	Bearing, Roller	
8	7026758	11	Disc, Inner Clutch	
9	7026759	11	Disc, Outer Clutch	
10	7026760	1	Shim, End	
11	1319600	1	Ring, Snap 4	
11	1319601	1	Ring, Snap 3-1/2	
11	1319602	1	Ring, Snap 3	
11	1319603	1	Ring, Snap 2-1/2	
11	1319604	1	Ring, Snap 2	
12	1319638	1	Disc, Carrier	
13	1319620	1	Bearing, Roller	
14	1319621	1	Ring, Retaining 3.2	
14	1319622	1	Ring, Retaining 3.1	
14	1319623	1	Ring, Retaining 3	
14	1319624	1	Ring, Retaining 2.9	
14	1319625	1	Ring, Retaining 2.8	
14	1319626	1	Ring, Retaining 2.7	
14	1319627	1	Ring, Retaining 2.6	
14	1319628	1	Ring, Retaining 2.5	
14	1319629	1	Ring, Retaining 2.4	
14	1319630	1	Ring, Retaining 2.3	
14	1319631	1	Ring, Retaining 2.2	
14	1319632	1	Ring, Retaining 2.1	
15	1319608	1	Bearing, Roller	
16	1319636	1	Bearing, Roller	
17	1319612	2	Ring, Piston 30X2	

FIGURE 5-43. TRANSMISSION, OUTPUT

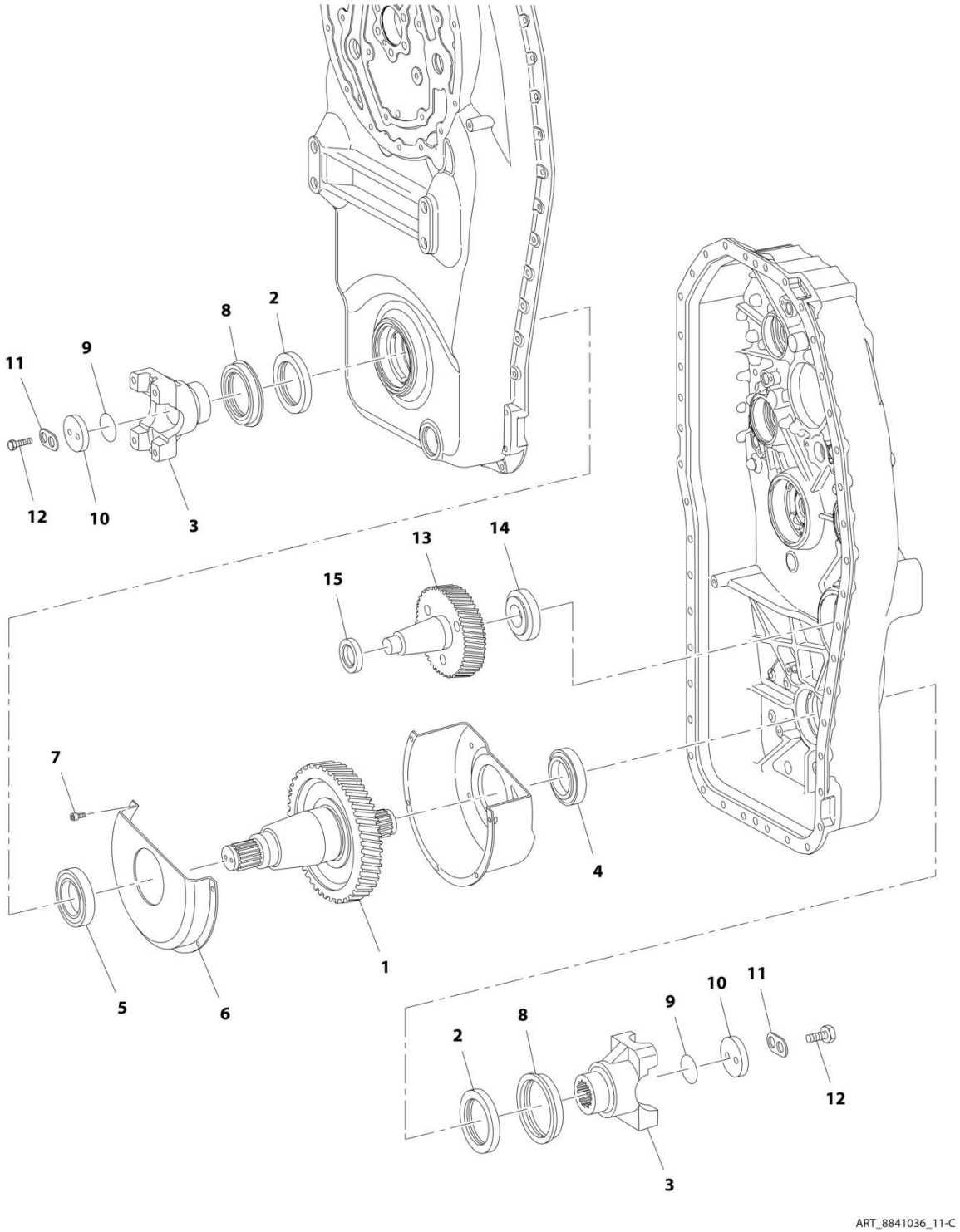


FIGURE 5-43. TRANSMISSION, OUTPUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - OUTPUT	
1	8036030	1	Shaft, Output	
2	1319641	2	Seal, Shaft	
3	7027273	2	Flange, Output	
4	N.S.S.	1	Assembly, Roller Bearing	
4	70020430	1	Cup, Bearing	
4	70020431	1	Cone, Bearing	
5	1319643	1	Bearing, Roller	
6	8036031	1	Sheet, Screen	
7	1319646	5	Bolt, M6X10	
8	1319647	2	Sheet, Screen	
9	10839156	2	O-Ring	
10	1319648	2	Washer, M10	
11	1319649	2	Washer, Tab	
12	10731959	4	Bolt, M8X25	
13	8036032	1	Shaft, Intermediate	
14	1319633	1	Bearing, Roller	
15	8036190	1	Assembly, Roller Bearing	
15	7029532	1	Ring, Outer	
15	7029533	1	Ring, Inner	

FIGURE 5-44. TRANSMISSION, CONTROL UNIT

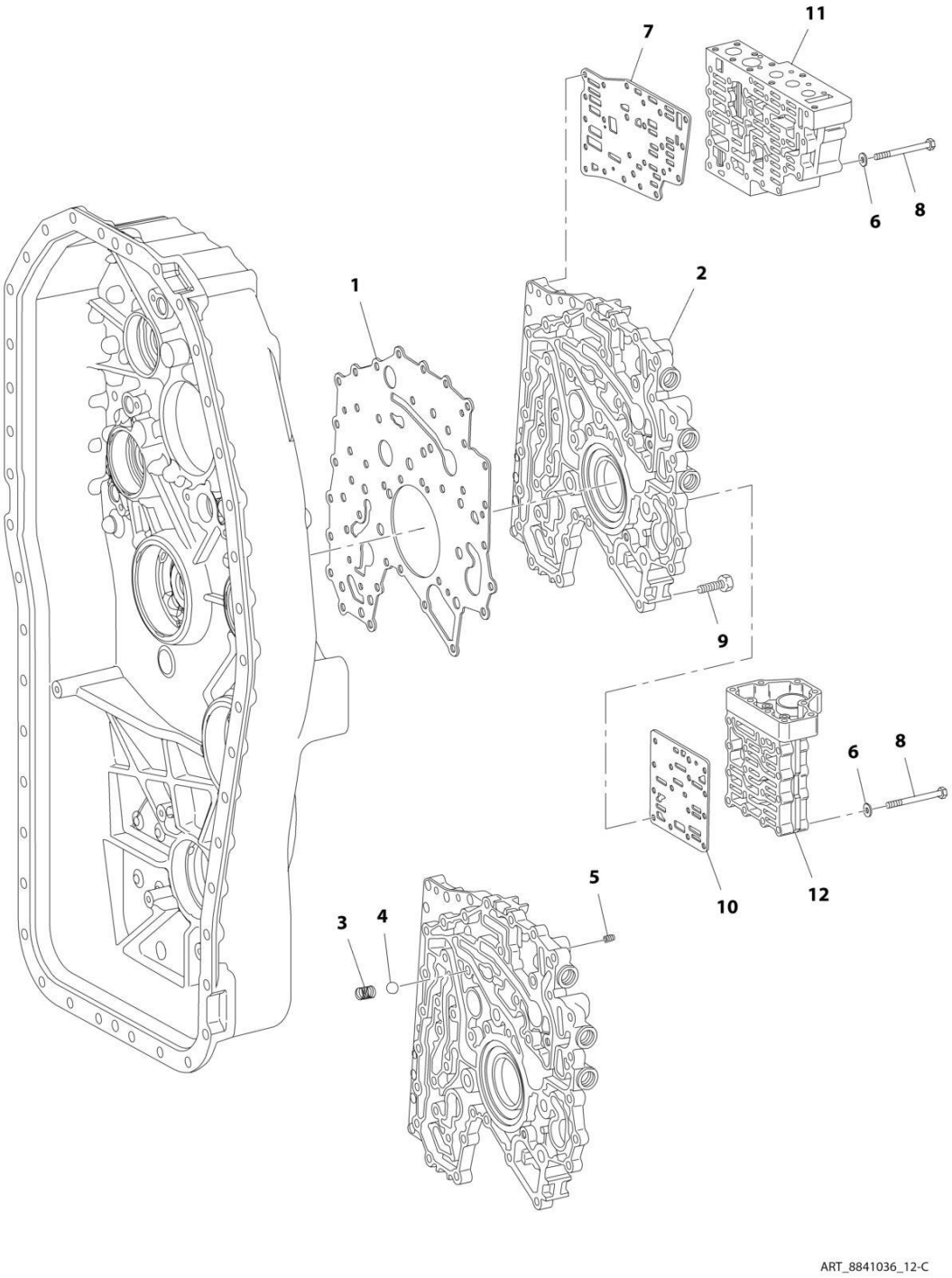


FIGURE 5-44. TRANSMISSION, CONTROL UNIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - CONTROL UNIT	
1	1319650	1	Gasket	
2	8036033	1	Plate, Duct	
3	10732072	1	Spring, Compression	
4	10732071	1	Ball	
5	1319652	1	Orifice	
6	1319661	19	Washer, 6.4	
7	70020425	1	Plate, Intermediate	
8	7029037	19	Bolt, M6X60	
9	1319659	43	Screw, Torx M8X30	
10	70020426	1	Plate, Intermediate	
11		Ref	Housing, Valve (See Separate Breakdown in this Section)	
12		Ref	Block, Valve (See Separate Breakdown in this Section)	

FIGURE 5-45. TRANSMISSION, VALVE HOUSING ASSEMBLY

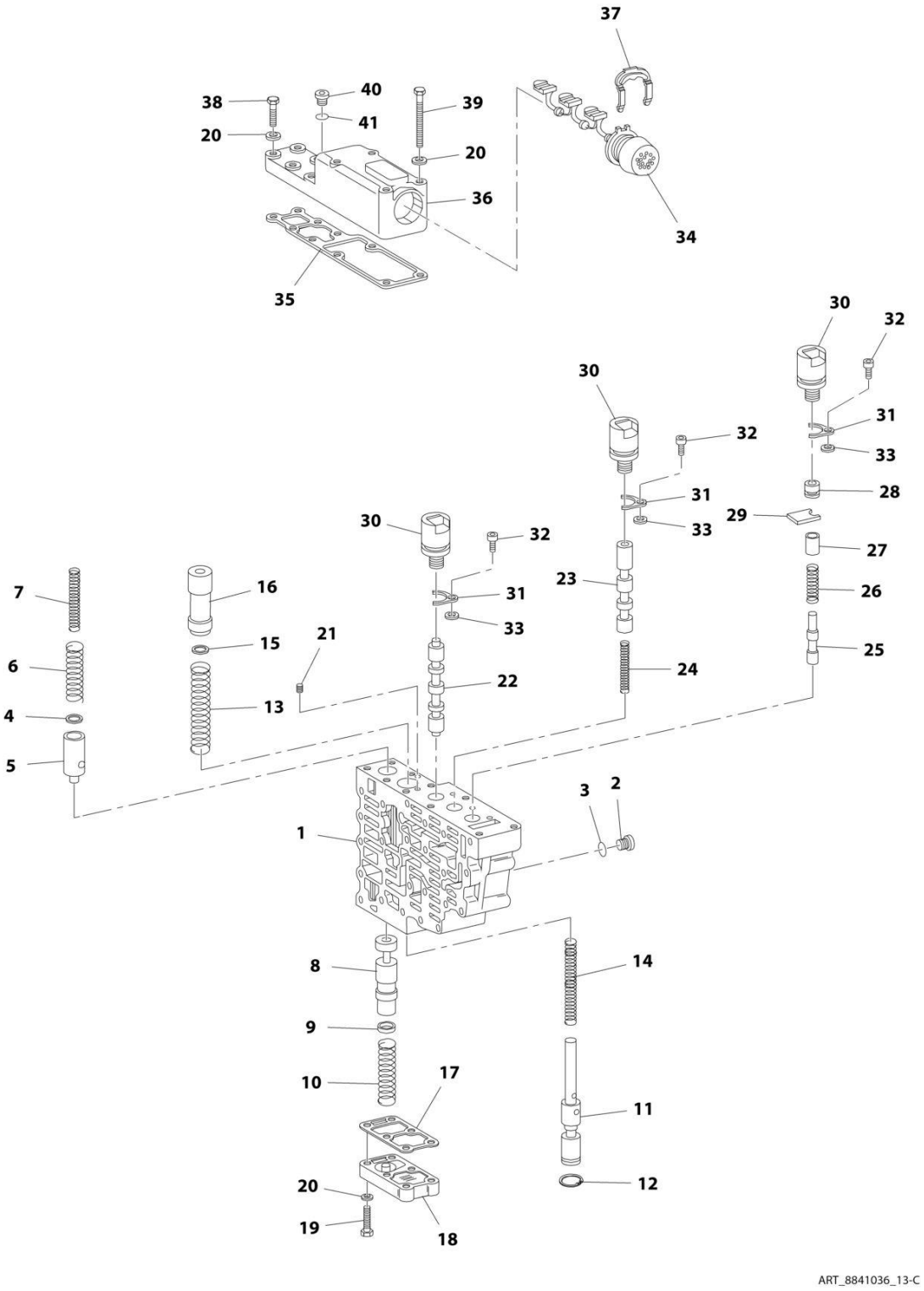


FIGURE 5-45. TRANSMISSION, VALVE HOUSING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - VALVE HOUSING ASSEMBLY	
	8036040	Ref	Valve Housing Assembly	
1	1319671	1	Housing, Valve	
2	1319670	7	Plug, Screw M10X1	
3	10731709	7	O-Ring	
4	8036036	1	Washer, 1	
5	7029039	1	Piston	
6	1319673	1	Spring, Compression	
7	8036038	1	Spring, Compression	
8	1319674	1	Piston	
9	1319675	1	Washer, 3.6	
9	1319676	1	Washer, 3.2	
9	1319677	1	Washer, 2.8	
9	1319678	1	Washer, 2.4	
9	1319679	1	Washer, 2	
10	1319680	1	Spring, Compression	
11	1319681	1	Control, Piston	
12	1319682	1	Washer, Lock 12	
13	1319683	1	Spring, Compression	
14	1319684	1	Spring, Compression	
15	1319685	1	Washer, 2	
15	1319686	1	Washer, 1	
15	1319687	1	Washer, 0.5	
15	1319688	1	Washer, 0.3	
15	1319689	1	Washer, 0.2	
16	1319690	1	Piston	
17	1319691	1	Seal	
18	1319692	1	Cover	
19	1319693	6	Bolt, M6X25	
20	1319661	16	Washer, 6.4	
21	1319652	1	Orifice	
22	1319694	1	Valve	
23	1319695	1	Piston	
24	1319696	1	Spring, Compression	
25	1319697	1	Piston	
26	1319698	1	Spring, Compression	
27	1319699	1	Spacer, Sleeve	
28	1319700	1	Plug	
29	1319701	1	Plate, Fixing	
30	1319702	3	Valve, Solenoid	
31	10732063	3	Plate, Fixing	
32	1319703	3	Bolt, M5X12	
33	10732064	3	Washer, 2	
34	1319704	1	Harness, Wiring	
35	1319705	1	Seal	
36	8036039	1	Cover	
37	1319707	1	Clamp, Retaining	
38	1319693	6	Bolt, M6X25	
39	7029037	4	Bolt, M6X60	
40	1319670	1	Plug, Screw M10X1	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	10731709	1	O-Ring	

FIGURE 5-46. TRANSMISSION, VALVE BLOCK ASSEMBLY

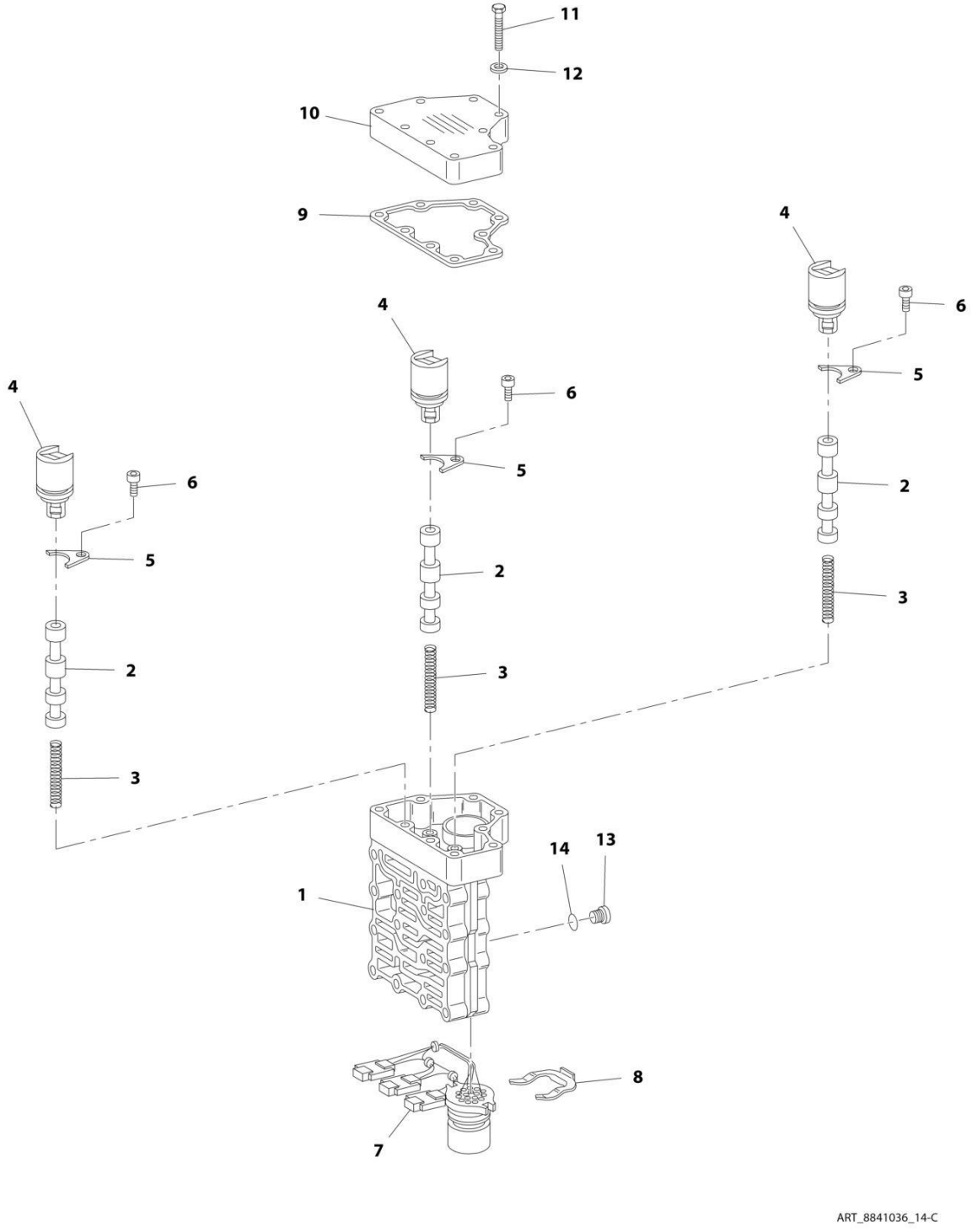


FIGURE 5-46. TRANSMISSION, VALVE BLOCK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - VALVE BLOCK ASSEMBLY	
	1319717	Ref	Valve Block Assembly	
1	70020427	1	Block, Valve	
2	1319710	3	Piston	
3	1319696	3	Spring, Compression	
4	1319702	3	Valve, Solenoid	
5	10732063	3	Plate, Fixing	
6	1319703	3	Bolt, M5X12	
7	1319711	1	Harness, Wiring	
8	1319707	1	Clamp, Retaining	
9	1319712	1	Gasket	
10	1319713	1	Cover	
11	1319714	9	Bolt, M5X32	
12	1319715	9	Washer, 5.3	
13	1319670	3	Plug, Screw M10X1	
14	10731709	3	O-Ring	

FIGURE 5-47. TRANSMISSION, OIL PUMP AND FILTER

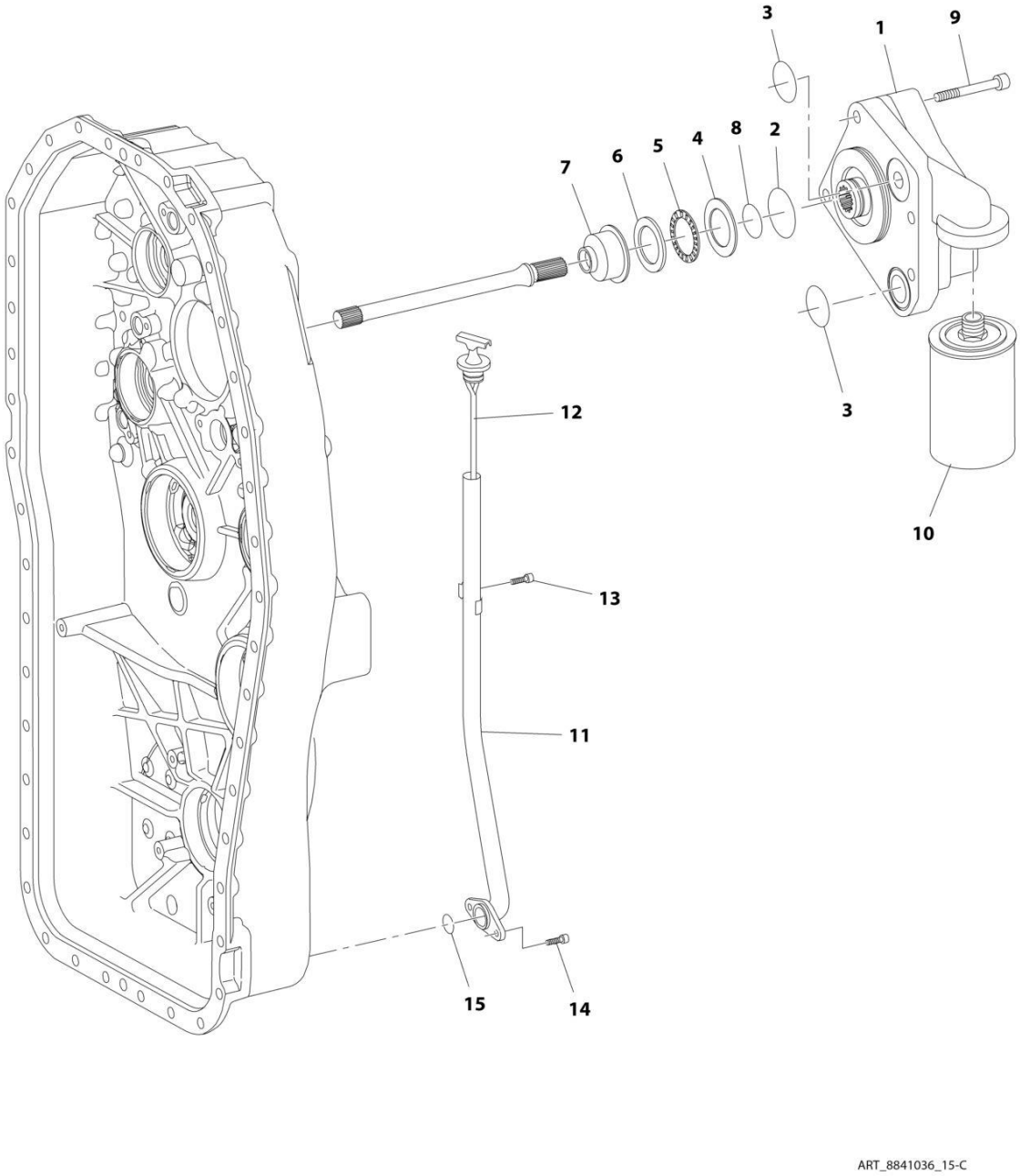


FIGURE 5-47. TRANSMISSION, OIL PUMP AND FILTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841036	Ref	TRANSMISSION - OIL PUMP AND FILTER	
1	1319718	1	Pump	
1	7029417	1	O-Ring, (between pump halves), (not shown)	
2	8036250	1	O-Ring	
3	1319719	2	O-Ring	
4	1319720	1	Washer, Axial 40X60X1	
5	1319721	1	Cage, Axial Needle	
6	1319722	1	Disc, Angle	
7	1319723	1	Sleeve, Stop	
8	1319724	1	O-Ring	
9	1319725	4	Bolt, M12X115	
10	1319726	1	Filter, Transmission Oil	
11	8036041	1	Tube, Dipstick	
12	8036042	1	Dipstick	
13	1319585	1	Screw, M8X16	
14	1319582	1	Screw, M8X20	
15	70023885	1	O-Ring	

FIGURE 5-48. DRIVE SHAFTS

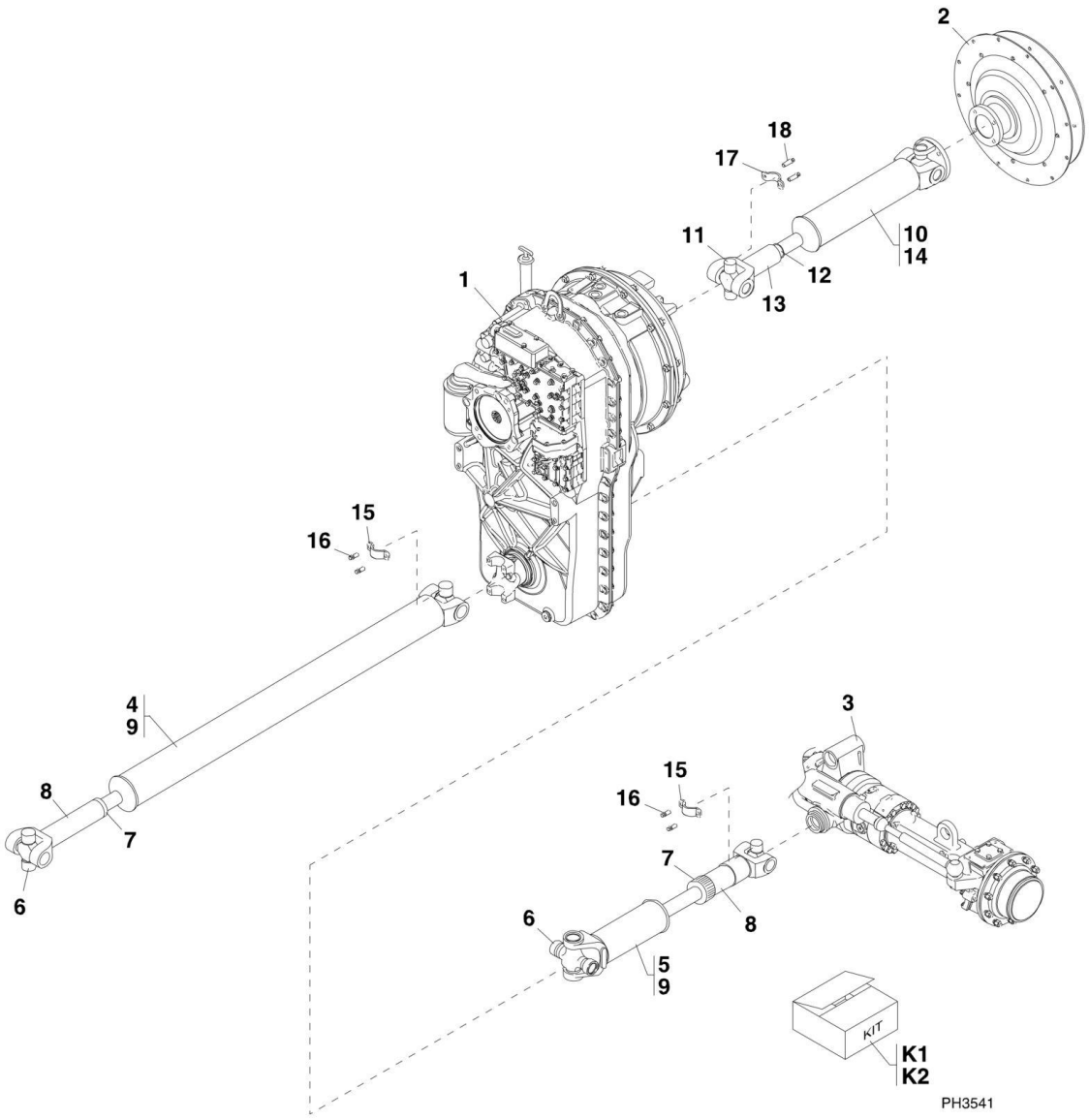


FIGURE 5-48. DRIVE SHAFTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	ZF TRANSMISSION, (See ZF TRANSMISSION for Breakdown)	
2		Ref	ISOLATION COUPLER, (See ISOLATION COUPLER SECTION for Breakdown)	
3		Ref	REAR AXLE, (See REAR AXLE for Breakdown)	
4	7138638	1	FRONT AXLE DRIVE SHAFT, (includes items 6 thru 9)	
5	7138639	1	REAR AXLE DRIVE SHAFT, (includes items 6 thru 9)	
6	8035778	4	CROSS AND BEARING KIT, (two required per drive shaft)	
7	8035109	2	DUST CAP KIT, (one required per drive shaft)	
8	N.S.S.	2	SLIP JOINT	
9	N.S.S.	2	YOKE SHAFT	
10	7138805	1	DRIVE SHAFT - ENGINE TO TRANSMISSION, (includes items 11 thru 14) (10042,10054,8042) **(8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)**	
10	7302034	1	DRIVE SHAFT - ENGINE TO TRANSMISSION, (with isolation coupler replacement kit), (see ISOLATION COUPLER SECTION for Breakdown), (includes items 11 thru 14) (10042,10042,10042,10054,10054,10054,8042,8042,8042) **(8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)**	
10	7301508	1	DRIVE SHAFT - ENGINE TO TRANSMISSION, (includes items 11 thru 14) (10042,10054,8042) **(8042 SN 18991 through 19987; 10042 SN 19031 through 19987; 10054 SN 19080 through 19987; SN 0160002332 through 0160045249, SN 0160002332 through 0160045249, SN 0160002332 through 0160045249, Including 0160045255, 0160045255 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
11	1101841	2	CROSS AND BEARING KIT	
12	8035109	1	DUST CAP KIT	
13	N.S.S.	2	SLIP JOINT	
14	N.S.S.	1	YOKE SHAFT	
15	Kit	8	STRAP, (use kit 8880218-OM for replacement)	
16	Kit	16	SCREW, (torque to 32-42 lb-ft), (must replace when removed, do not re-torque), (use kit 8880218-OM for replacement)	
17	Kit	2	STRAP, (use kit 8880219-OM for replacement)	
18	Kit	4	SCREW, (torque to 35 lb-ft), (must replace when removed, do not re-torque), (use kit 8880219-OM for replacement)	
K1	8880218-OM	4	STRAP KIT, (includes qty 2 of item 15 & qty 4 of item 16)	
K2	8880219-OM	1	STRAP KIT, (includes qty 2 of item 17 & qty 4 of item 18)	

FIGURE 5-49. TIRES AND RIMS (8042)

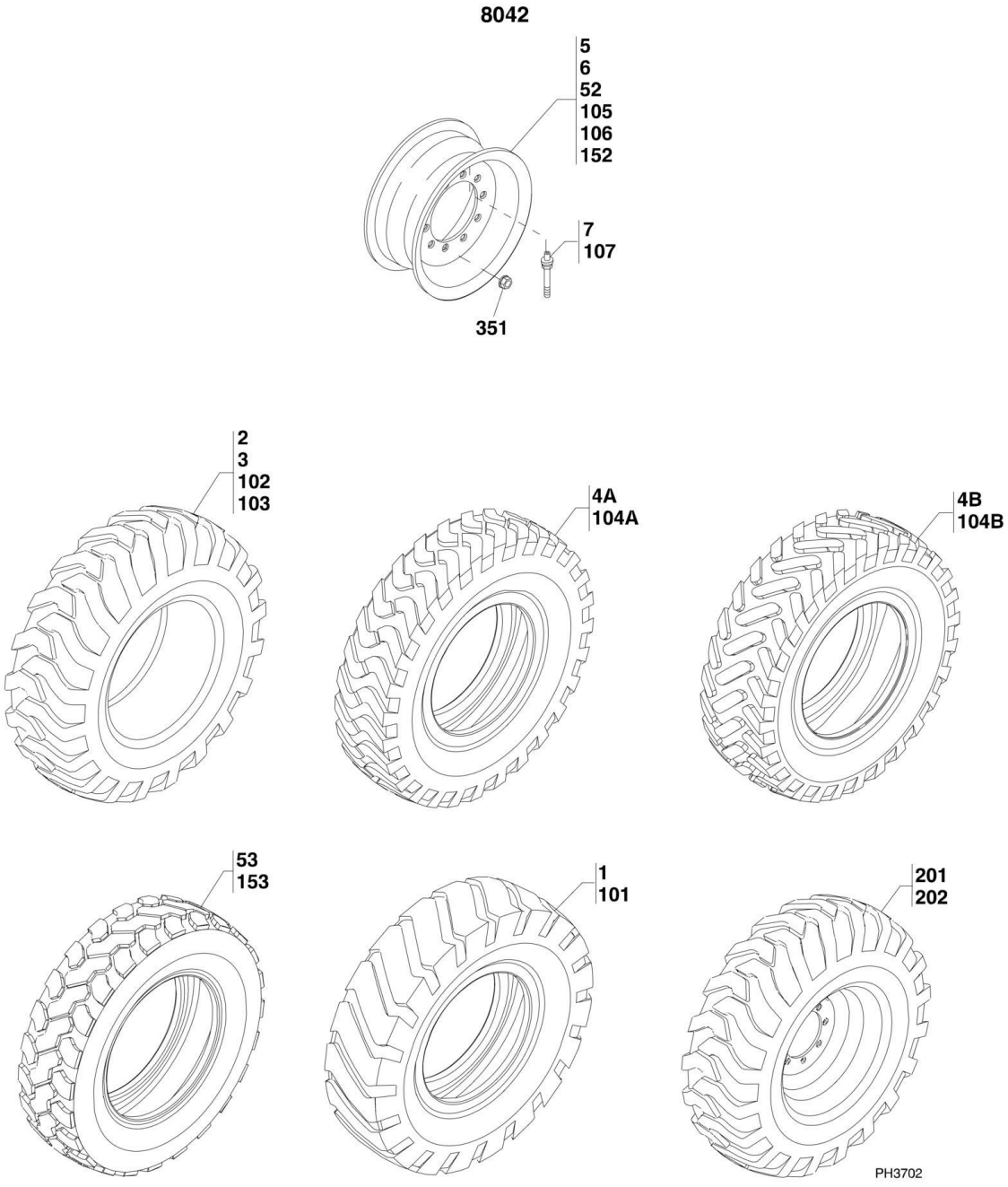


FIGURE 5-49. TIRES AND RIMS (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	PNEUMATIC TIRE AND RIM ASSEMBLY	
	7139168	1	ROCK TREAD PNEUMATIC TIRE AND RIM ASSY, (right or left side), 13.00X24, (includes items 1, 5 & 7) **(SN 0160002332 through 0160037799)**	C
	4520466	1	ROCK TREAD PNEUMATIC TIRE AND RIM ASSY, (right or left side), 15.5X25, (includes items 1, 6 & 7)	A
	7138658	1	GRADER PNEUMATIC TIRE AND RIM ASSY, (right side), 13.00X24, (includes items 2, 5 & 7) **(SN 0160002332 through 0160037799)**	D
	7138659	1	GRADER PNEUMATIC TIRE AND RIM ASSY, (left side), 13.00X24, (includes items 2, 5 & 7) **(SN 0160002332 through 0160037799)**	D
	7138660	1	LOADER DOZER PNEUMATIC TIRE AND RIM ASSY, (right side), 15.5X25, (includes items 3, 6 & 7)	D
	7138661	1	LOADER DOZER PNEUMATIC TIRE AND RIM ASSY, (left side), 15.5X25, (includes items 3, 6 & 7)	E
	4520412	1	RADIAL PNEUMATIC TIRE AND RIM ASSY, (right or left side), 13.00X24, (includes items 4A, 5 & 7) **(SN 0160002332 through 0160037799)**	A
	7139165	1	RADIAL PNEUMATIC TIRE AND RIM ASSY, (right or left side), 15.5R25, (includes items 4B, 6 & 7)	C
	1001100324	1	TIRE AND RIM ASSY, 370/75-28, 14PLY, (includes items 7, 52 & 53)	C
1	8780045	1	ROCK TREAD TIRE, 13.00X24 **(SN 0160002332 through 0160037799)**	
1	8780050	1	ROCK TREAD TIRE, 15.5X25	
2	8780031	1	GRADER TIRE, 13.00X24 **(SN 0160002332 through 0160037799)**	
3	8780036	1	LOADER DOZER TIRE, 15.25X25	
4A	8780264	1	RADIAL TIRE, 13.00X24 **(SN 0160002332 through 0160037799)**	
4B	8780048	1	RADIAL TIRE, 15.5R25	
5	7301054	1	RIM, 9X24	
6	7301056	1	RIM, 13.00X25	
7	8786514	1	VALVE STEM	
52	1001100005	1	RIM, 28X11, 1.18 OFFSET	
53	1001100284	1	TIRE, 370/75-28, 14 PLY	
		Ref	FOAM FILLED TIRE AND RIM ASSEMBLY	
	4520319	1	YOKOHAMA FLATPROOFING ROCK TREAD TIRE AND RIM ASSY, (right or left side), 13.00X24, (includes items 101, 105, 107 & 108) **(SN 0160002332 through 0160037799)**	B
	4520321	NLA	FIRESTONE FLATPROOFING ROCK TREAD TIRE AND RIM ASSY, (right or left side), 13.00X24, (includes items 101, 105, 107 & 108), (no longer available, use 4520319 for replacement)	B
	4520467	1	ROCK TREAD FOAM FILLED TIRE AND RIM ASSY, (right or left side), 15.5R25, (includes items 101, 106, 107 & 108)	A
	7139159	1	GRADER FOAM FILLED TIRE AND RIM ASSY, (right side), 13.00X24, (complete only), (includes items 102, 105, 107 & 108) **(SN 0160002332 through 0160037799)**	D
	7139160	1	GRADER FOAM FILLED TIRE AND RIM ASSY, (left side), 13.00X24, (complete only), (includes items 102, 105, 107 & 108) **(SN 0160002332 through 0160037799)**	D
	7139161	1	LOADER DOZER FOAM FILLED TIRE AND RIM ASSY, (right side), 15.5R25, (complete only), (includes items 103, 106, 107 & 108)	C

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139162	1	LOADER DOZER FOAM FILLED TIRE AND RIM ASSY, (left side), 15.5R25, (complete only), (includes items 103, 106, 107 & 108),	C
	4520413	1	RADIAL FOAM FILLED TIRE AND RIM ASSY, (right or left side), 13.00X24, (complete only), (includes items 104A, 105, 107 & 108) **(SN 0160002332 through 0160037799)**	A
	4520469	1	RADIAL FOAM FILLED TIRE AND RIM ASSY, (right or left side), 15.5R25, (complete only), (includes items 104B, 106, 107 & 108)	A
	1001121085	1	TIRE AND RIM ASSY, 370/75-28, 14PLY, FOAM FILLED, 464lb, (includes items 107, 152 & 153)	A
101	8780045	1	YOKOHAMA ROCK TREAD TIRE, 13.00X24 **(SN 0160002332 through 0160037799)**	
101	4520318	NLA	FIRESTONE ROCK TREAD TIRE, 13.00X24, (no longer available, use 8780045 for replacement)	
101	8780050	1	ROCK TREAD TIRE, 15.5X25	
102	8780031	1	GRADER TIRE, 13.00X24 **(SN 0160002332 through 0160037799)**	
103	8780036	1	LOADER DOZER TIRE, 15.25X25	
104A	8780264	1	RADIAL TIRE, 13.00X24 **(SN 0160002332 through 0160037799)**	
104B	8780048	1	RADIAL TIRE, 15.5R25	
105	7301054	1	RIM, 9X24	
106	7301056	1	RIM, 13.00X25	
107	8786514	1	VALVE STEM	
108	8526203	1	FLATPROOFING TRAKFILL, (not shown)	
152	1001100005	1	RIM, 28X11, 1.18 OFFSET	
153	1001100284	1	TIRE, 370/75-28, 14 PLY	
		Ref	SOLID TIRE AND WHEEL ASSEMBLY:	
	4520648	1	SOLID TIRE SET, 13.00-24, (includes items 201 & 202)	B
201	4520649	2	R.H. SOLID TIRE AND WHEEL ASSEMBLY	B
202	4520650	2	L.H. SOLID TIRE AND WHEEL ASSEMBLY	B
351		Ref	WHEEL NUT, (See DRIVE TRAIN COMPONENTS for Breakdown)	
N1	Note	Ref	**When ordering tires contact JLG and specify the brand of tire.**	
N2	Note	Ref	**Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals.**	
		Ref	**Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.**	

FIGURE 5-50. TIRES AND RIMS (10042,10054)

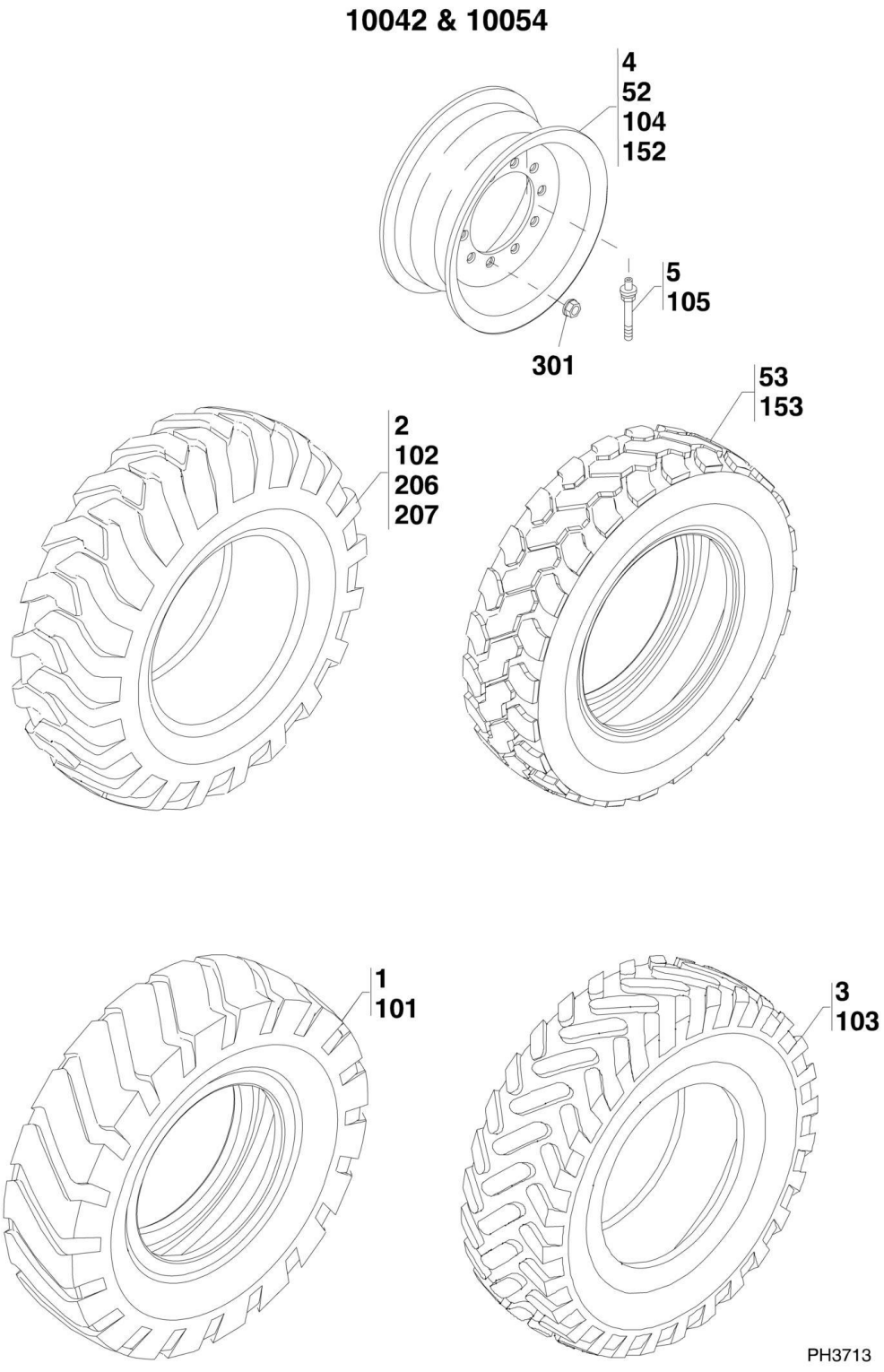


FIGURE 5-50. TIRES AND RIMS (10042,10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	PNEUMATIC TIRE AND RIM ASSEMBLY:	
	4520530	1	ROCK TREAD PNEUMATIC TIRE AND RIM ASSY, (right or left side), 17.5X25, (includes items 1, 4 & 5)	A
	7138662	1	LOADER DOZER PNEUMATIC TIRE AND RIM ASSY, (right side), 17.5X25, (includes items 2, 4 & 5)	F
	7138663	1	LOADER DOZER PNEUMATIC TIRE AND RIM ASSY, (left side), 17.5X25, (includes items 2, 4 & 5)	F
	7139166	1	RADIAL PNEUMATIC TIRE AND RIM ASSY, (right or left side), 17.5X25, (includes items 3, 4 & 5)	C
	1001121102	1	TIRE AND RIM ASSY, 400/75-28, 16PLY, (includes items 5, 52 & 53)	A
1	4520314	1	ROCK TREAD TIRE, 17.5X25	
2	4520527	1	LOADER DOZER TIRE, 17.5X25	
3	8780047	1	RADIAL TIRE, 17.5X25	
4	7301056	1	RIM, 13X25	
5	8786514	1	VALVE STEM	
52	1001100009	1	RIM, 28X12, 1.18 OFFSET	
53	1001120179	1	TIRE, 400/75-28, 16PLY	
		Ref	FOAM FILLED TIRE AND RIM ASSEMBLY:	
	4520531	1	ROCK TREAD FOAM FILLED TIRE AND RIM ASSY, (right or left side), 17.5X25, (includes items 101, 104 & 105)	A
	7139163	1	LOADER DOZER FOAM FILLED TIRE AND RIM ASSY, (right side), 17.5X25, (complete only), (includes items 102, 104 & 105)	D
	7139164	1	LOADER DOZER FOAM FILLED TIRE AND RIM ASSY, (left side), 17.5X25, (complete only), (includes items 102, 104 & 105)	D
	4520533	1	RADIAL FOAM FILLED TIRE AND RIM ASSY, (right or left side), 17.5X25, (complete only), (includes items 103, 104 & 105)	A
	1001121104	1	TIRE AND RIM ASSY, 400/75-28, 16PLY, FOAM FILLED, 570lb, (includes items 105, 152 & 153)	
101	4520314	1	ROCK TREAD TIRE, 17.5X25	
102	4520527	1	LOADER DOZER TIRE, 17.5X25	
103	8780047	1	RADIAL TIRE, 17.5X25	
104	7301056	1	RIM, 13X25	
105	8786514	1	VALVE STEM	
152	1001100009	1	RIM, 28X12, 1.18 OFFSET	
153	1001120179	1	TIRE, 400/75-28, 16PLY	
	1001105703	4	TIRE SET, 14X24, SOLID, (includes items 206 thru 209)	B
206	1001105705	2	RH TIRE AND WHEEL ASSY, 14-24, SOLID	
207	1001105704	2	LH TIRE AND WHEEL ASSY, 14-24, SOLID	
208		Ref	WHEEL NUT, (not shown), (See DRIVE TRAIN COMPONENTS for Breakdown)	
209		Ref	SPRING WASHER, (not shown), (See DRIVE TRAIN COMPONENTS for Breakdown)	
301		Ref	WHEEL NUT AND SPRING WASHER, (See DRIVE TRAIN COMPONENTS for Breakdown)	
N1	Note	Ref	**When ordering tires contact JLG and specify the brand of tire.**	

FIGURE 5-51. FENDER INSTALLATION (8042)

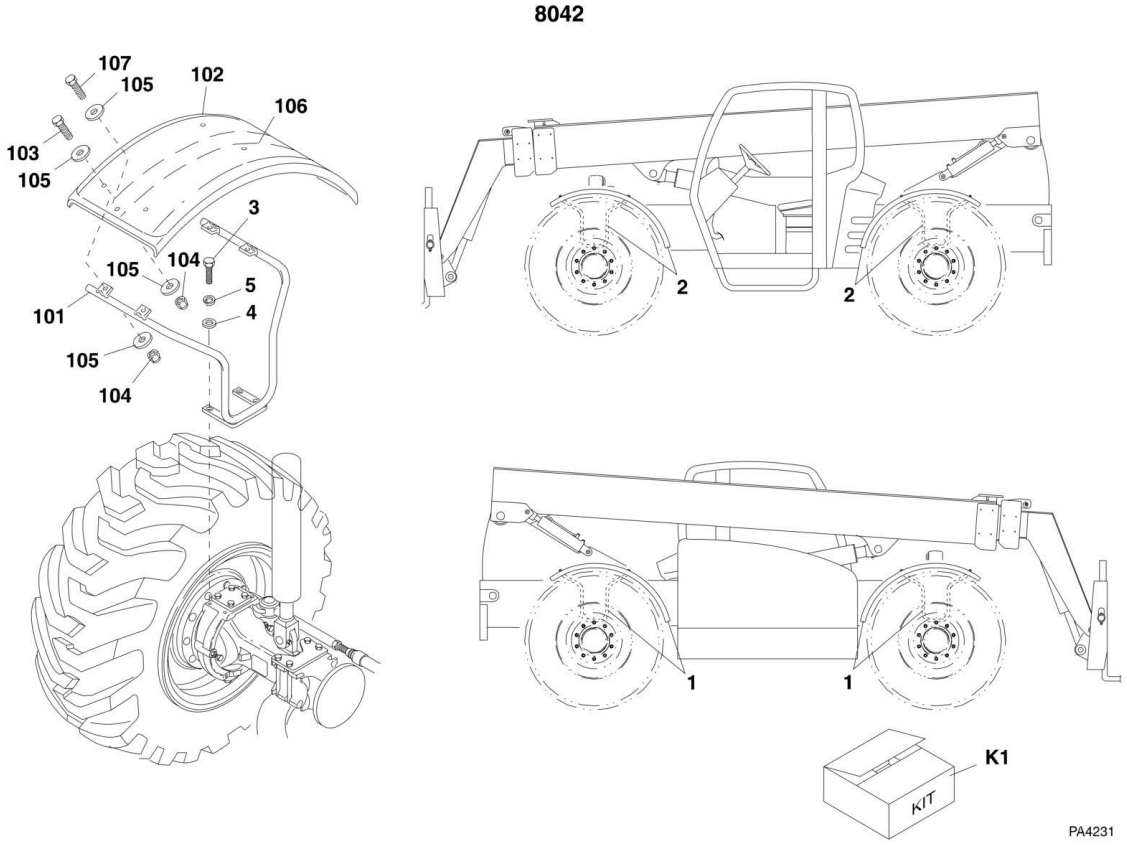


FIGURE 5-51. FENDER INSTALLATION (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7150697	1	FENDER INSTALLATION, (includes items 1 thru 5)	C
1		Ref	RH FENDER AND BRACKET ASSY, (includes items 101 thru 107) (8042) **(8042 SN 13198 through 19987; SN 0160002332 through 0160025354)**	AD
1	7150696	2	RH FENDER AND BRACKET ASSY, (includes items 101 thru 105), (8042) **(8042 SN 0160025389 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	G
2		Ref	LH FENDER AND BRACKET ASSY, (includes items 101 thru 107) (8042) **(8042 SN 13198 through 19987; SN 0160002332 through 0160025354)**	AD
2	7150695	2	LH FENDER AND BRACKET ASSY, (includes items 101 thru 105), (8042) **(8042 SN 0160025389 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	G
3	8310164	16	HEX HD CAPSCREW, M12-1.75X40mm, PC8.8	
4	8307220	16	FLAT WASHER, M12	
5	8307025	16	LOCKWASHER, M12	
101	7150668	1	FENDER MOUNT (8042) **(8042 SN 13198 through 19987; SN 0160002332 through 0160025354)**	
101	0903609	1	FENDER MOUNT, (8042) **(8042 SN 0160025389 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
102	7150706	1	FENDER	
103	8303626	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5	
104	8305644	6	HEX LOCKNUT, 1/2-13 (8042) **(8042 SN 13198 through 19987; SN 0160002332 through 0160025354)**	
104	8305644	4	HEX LOCKNUT, 1/2-13, (8042) **(8042 SN 0160025389 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
105	8307206	12	PLAIN WASHER, 1/2 (8042) **(8042 SN 13198 through 19987; SN 0160002332 through 0160025354)**	
105	8307206	8	PLAIN WASHER, 1/2, (8042) **(8042 SN 0160025389 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
106	6623576	1	FENDER SUPPORT **(8042 SN 13198 through 19987; SN 0160002332 through 0160025354)**	
107	8303625	2	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5 (8042) **(8042 SN 13198 through 19987; SN 0160002332 through 0160025359)**	
K1	7147400	1	FENDER FIELD KIT, (four wheel installation)	

FIGURE 5-52. FENDER INSTALLATION (10042,10054)

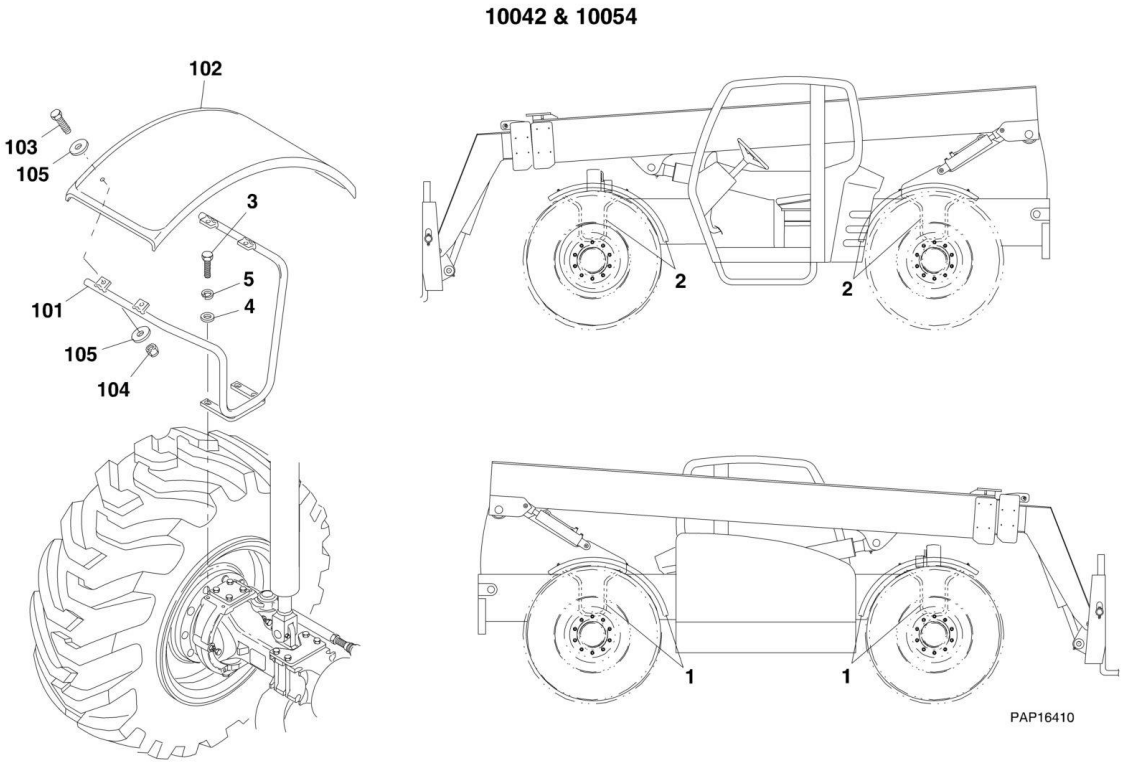


FIGURE 5-52. FENDER INSTALLATION (10042,10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139086	1	FENDER INSTALLATION, (includes items 1 thru 5)	D
1	7139088	2	RH FENDER AND BRACKET ASSY, (includes items 101 thru 105)	D
2	7139087	2	LH FENDER AND BRACKET ASSY, (includes items 101 thru 105)	D
3	8310164	16	HEX HD CAPSCREW, M12-1.75X40mm, PC8.8	
4	8307220	16	FLAT WASHER, M12	
5	8307025	16	LOCKWASHER, M12	
101	7139560	1	FENDER MOUNT	
102	7139226	1	FENDER	
103	8303626	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5	
104	8305644	4	HEX LOCKNUT, 1/2-13	
105	8307206	8	PLAIN WASHER, 1/2	

SECTION 6 - CAB

FIGURE 6-1. OPEN CAB

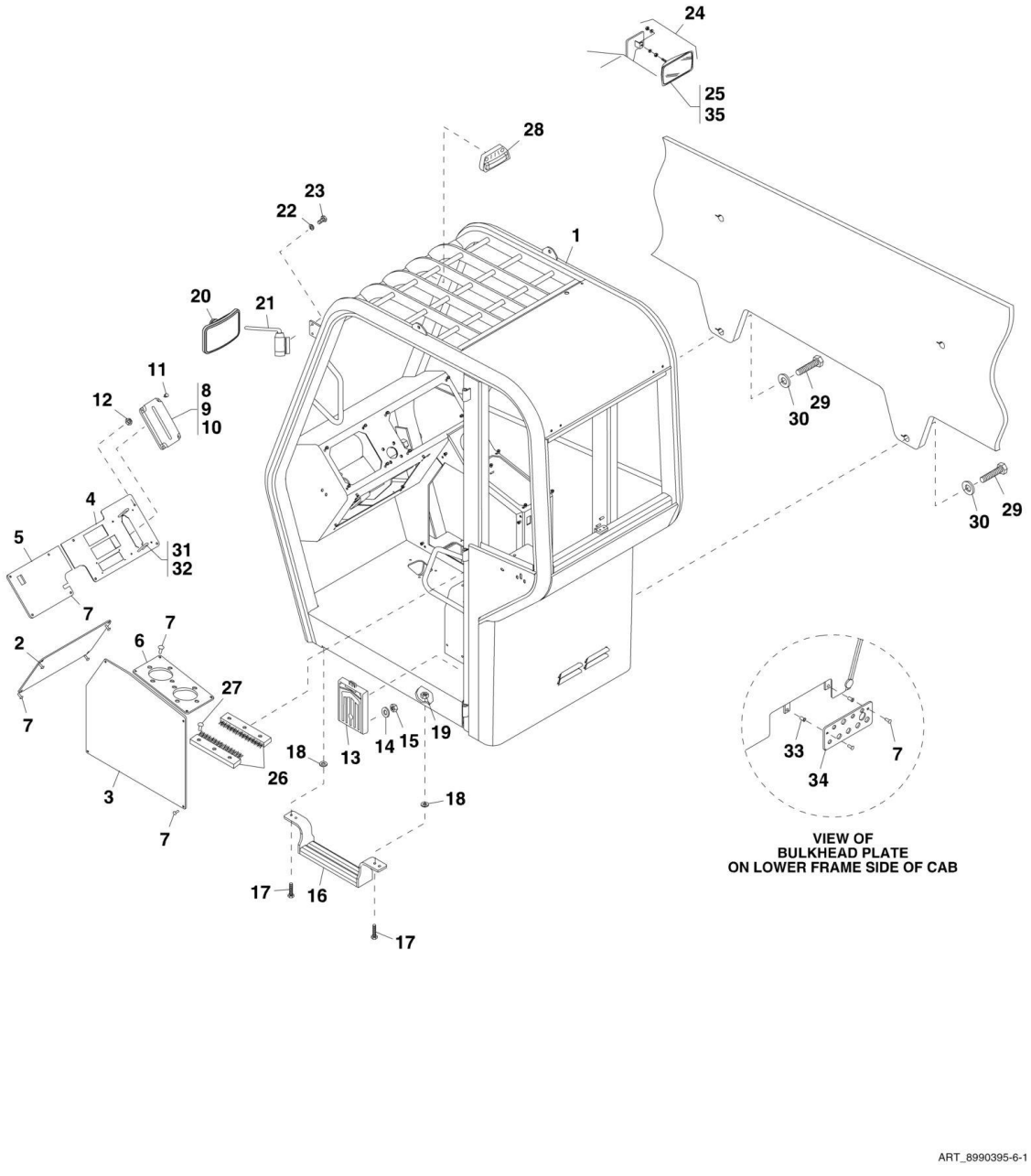


FIGURE 6-1. OPEN CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7138857	1	OPEN CAB, (includes items 2 thru 7)	H
2	7302074	1	LOWER PANEL	
3	7302073	1	RIGHT SIDE CONSOLE ACCESS PANEL	
4	3380679	1	RIGHT FRONT CONSOLE PANEL	
5	7302076	1	LEFT FRONT CONSOLE PANEL	
6	7302077	1	SIDE CONSOLE PANEL	
7	8303034	22	TRUSS HD TORX SCREW, 1/4-20X3/4	
8	7138819	1	LOAD CHART HOLDER (10042,10054,8042) **(8042 SN 13198 through 19987, SN 0160002332 through 0160019859; 10042 SN 13198 through 19987, SN 0160002332 through 0160019855; 10054 SN 13198 through 19987, SN 0160002332 through 0160019851, Excluding 0160019634 and 0160019646)**	
9	7139135	AR	SPACER FOAM TAPE (10042,10054,8042) **(8042 SN 13198 through 19987, SN 0160002332 through 0160019859; 10042 SN 13198 through 19987, SN 0160002332 through 0160019855; 10054 SN 13198 through 19987, SN 0160002332 through 0160019851, Excluding 0160019634 and 0160019646)**	
10	8310016	2	PAN HD CAPSCREW, 10-24X1 (10042,10054,8042) **(8042 SN 13198 through 19987, SN 0160002332 through 0160019859; 10042 SN 13198 through 19987, SN 0160002332 through 0160019855; 10054 SN 13198 through 19987, SN 0160002332 through 0160019851, Excluding 0160019634 and 0160019646)**	
11	8310362	4	BUTTON HD CAPSCREW, 10-24X.5 (10042,10054,8042) **(8042 SN 13198 through 19987, SN 0160002332 through 0160019859; 10042 SN 13198 through 19987, SN 0160002332 through 0160019855; 10054 SN 13198 through 19987, SN 0160002332 through 0160019851, Excluding 0160019634 and 0160019646)**	
12	8310085	6	LOCK NUT, #10-24 (10042,10054,8042) **(8042 SN 13198 through 19987, SN 0160002332 through 0160019859; 10042 SN 13198 through 19987, SN 0160002332 through 0160019855; 10054 SN 13198 through 19987, SN 0160002332 through 0160019851, Excluding 0160019634 and 0160019646)**	
13	8990147	1	MANUAL HOLDER	
14	8307201	3	FLAT WASHER, 10	
15	8310085	3	LOCKNUT, 10-24	
16	1001141427	1	STEP	
17	8303626	4	HEX HD CAPSCREW, 1/2-13X1-1/2	
18	8307112	4	FLAT WASHER, 1/2	
19	8305644	4	LOCKNUT, 1/2-13	
20	8866529	1	REAR VIEW MIRROR **(SN 0160002332 through 0160029593)**	
20	3140007	NLA	REAR VIEW MIRROR (no longer available, use 1001148177 for replacement)	
20	1001148177	1	RECTANGULAR MIRROR, (if equipped for LS) **(SN 0160029593 through 0160045249, Including 0160045255)**	
21	8866530	1	MIRROR ARM **(SN 0160002332 through 0160029593)**	
21	1001114675	1	MIRROR ARM **(SN 0160029593 through 0160045249, Including 0160045255)**	
22	8307024	AR	LOCKWASHER, M6	
23	8303799	2	HEX HD CAPSCREW, M6-1X14mm **(SN 0160002332 through 0160029593)**	
23	0700610	2	HEX HD CAPSCREW, M6-1X20mm **(SN 0160029593 through 0160045249, Including 0160045255)**	
24	8866348	1	RIGHT MIRROR, (includes mounting hardware)	
25	8866351	1	CONVEX GLASS REPLACEMENT LENS, 6.5X10	
26	7138944	2	BRUSH STRIP ASSY	

SECTION 6 - CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
27	8303982	6	SELF-TAPPING SCREW, 1/4-20X3/4	
28	8466306	1	TILT ANGLE GAUGE	
29	8310493	4	HEX HD CAPSCREW, 7/8-9X5.5, GR8, (torque to 480 lb-ft)	
30	8307011	4	LOCKWASHER, 7/8	
31	1001102844	2	U-BOLT, 1/4-20X2-1/2, (10042,10054,8042) **(8042 SN 0160019946 through 0160045249; 10042 SN 0160020008 through 0160045249; 10054 SN 0160019865 through 0160045249; Including 0160045255, 0160045255, 0160045255, 0160019634 and 0160019646, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
32	8310382	8	FLANGE NUT, 1/4-20, (10042,10054,8042) **(8042 SN 0160019946 through 0160045249; 10042 SN 0160020008 through 0160045249; 10054 SN 0160019865 through 0160045249; Including 0160045255, 0160045255, 0160045255, 0160019634 and 0160019646, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
33	70021305	2	RIVNUT	
34	70021306	1	BULKHEAD FITTING PLATE	
35	4791500	1	STAR WASHER, 5/16 IN	

FIGURE 6-2. CLOSED CAB (SN 13198 through 19987, SN 0160002332 through 0160008806)

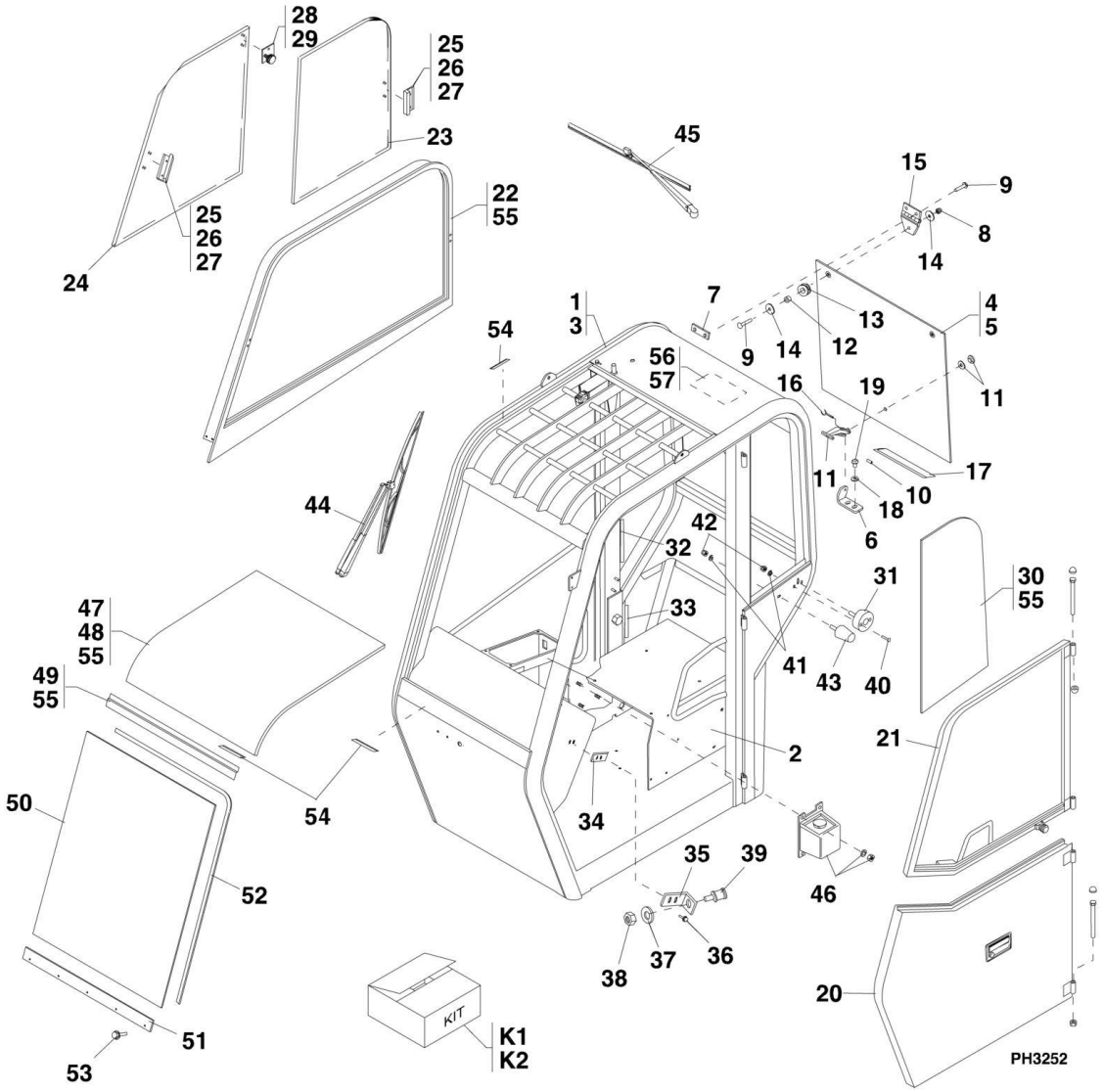


FIGURE 6-2. CLOSED CAB (SN 13198 through 19987, SN 0160002332 through 0160008806)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139048	1	CLOSED CAB, (includes all items)	AA
1		Ref	OPEN CAB, (See OPEN CAB for Breakdown)	
2		Ref	CAB HEATER KIT, (See CAB HEATER for Breakdown)	
3	7139050	1	CAB ENCLOSURE WITH TOP AND FRONT WIPERS KIT, (includes 4 thru 55)	A
4	8036048	1	REAR WINDOW ASSY, (includes items 5 thru 19)	
5	8036106	1	REAR WINDOW GLASS	
6	8036107	1	REAR WINDOW LATCH MOUNT	
7	8036108	2	REAR WINDOW HINGE BLOCK	
8	8035479	2	ACORN NUT, 1/4-20	
9	8310136	6	TRUSS SCREW, 1/4-20X1-1/4	
10	8035486	1	ROLL PIN, #10X1/2	
11	1001081280	1	T-HANDLE LATCH, (includes mounting hardware)	
12	8035478	2	BUSHING, 0.26 IDX1/2 OD	
13	8035477	2	GROMMET, 1/2 IDX1.06 OD	
14	80264082	4	FLAT WASHER, 9/32X1X0.065	
15	8035475	2	PLASTIC HINGE	
16	1001109417	1	DETENT RING PIN, 0.019X1.4	
17	8037206	1	SEAL, 8.6 FT	
18	8036071	2	WASHER	
19	91344043	2	HEX HD CAPSCREW, 1/4-20X.62	
20		Ref	LOWER DOOR ASSY, (See CAB DOOR for Breakdown)	
21		Ref	UPPER DOOR ASSY, (See CAB DOOR for Breakdown)	
22	8036050	1	SLIDER WINDOW, (right side), (includes items 23 thru 29)	
23	7138953	NLA	REAR SLIDE GLASS, (no longer available, use complete assy 8036050 for replacement), (p/n 7138953 is etched onto glass)	
23	8036197	1	REAR SLIDE GLASS	
24	7138952	NLA	FRONT SLIDE GLASS, (no longer available, use complete assy 8036050 for replacement), (p/n 7138952 is etched onto glass)	
24	8036196	1	FRONT SLIDE GLASS	
25	Kit	1	CAPSCREW	
26	Kit	1	SPACER	
27	Kit	1	LATCH	
28	Kit	1	LOCK BLOCK	
29	Kit	1	KNOB ASSY	
30	8036073	1	REAR GLASS, (left side)	
31	80364044	1	FEMALE DOOR RETAINER	
32	8036057	1	UPPER WIRE DUCT	
33	8036058	1	LOWER WIRE DUCT	
34	8036059	1	STRIKER NUT PLATE WELDMENT	
35	8036060	1	STRIKER BOLT BRACKET	
36	8035437	2	LOCK SCREW, 1/4-20X3/4	
37	8036061	1	FLAT WASHER, 17/32X1.06X.094	
38	8035639	1	CENTER LOCKNUT, 7/16-14	
39	8035637	1	STRIKER BOLT, 7/16-14X1-1/2	
40	8035487	2	SCREW, 1/4-20X.625	
41	8035416	3	LOCKWASHER, 1/4X.49 ODX.07	
42	8035479	3	ACORN NUT, 1/4-20	
43	8036066	1	RUBBER CONE BUMPER, 2	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44		Ref	FRONT WINDSHIELD WIPER ASSY, (See FRONT WINDSHIELD WIPER for Breakdown)	
45		Ref	SKYLIGHT WIPER ASSY, (See SKYLIGHT WINDSHIELD WIPER for Breakdown)	
46		Ref	RESERVOIR WITH 12V MOTOR, (See FRONT WINDSHIELD WIPER for Breakdown)	
47	7139444	1	WINDSHIELD SKYLIGHT KIT, (includes items 48 thru 55)	
48	7138958	1	SKYLIGHT GLASS	
49	7139316	1	UPPER WINDSHIELD CLIP	
50	7138951	1	WINDSHIELD GLASS	
51	7139298	1	LOWER WINDSHIELD PLATE	
52	7139299	1	BULB SEAL, 0.22X0.35X14.75	
53	8310529	5	SELF-TAPPING SCREW, #10-16X0.75	
54	8035490	8	SETTING BLOCKS	
55	8035523	AR	URETHANE SEALANT, (apply to items 22, 30, 48 & 49)	
K1	80384445	1	LATCH ASSY KIT (with Latch & Slider - Worthington Windows) (Includes Items 25, 26 & 27)	
K1	8036199	1	LATCH ASSY KIT (withTwo Latches - Young Windows) (Includes Items 25, 26 & 27)	
K2	8036198	1	FRICTION LOCK ASSY KIT (includes items 28 & 29)	

FIGURE 6-3. CLOSED CAB (SN 0160008822 through 0160045249, Including 0160045255)

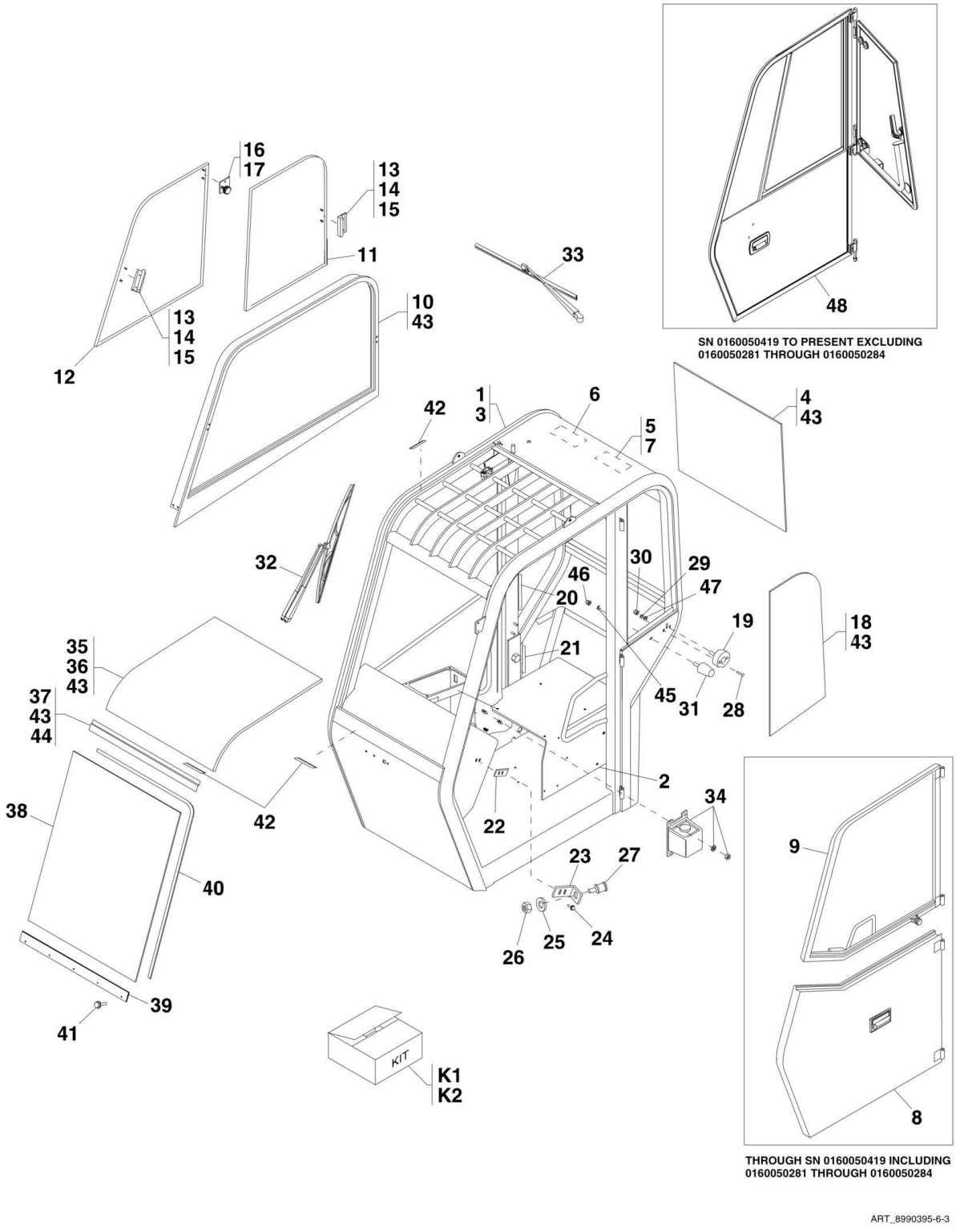


FIGURE 6-3. CLOSED CAB (SN 0160008822 through 0160045249, Including 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139048	NLA	ENCLOSED CAB WITH HEATER, (no longer available, order 1001125838 or see items 1 to 48 for service)	E
	1001125838	1	ENCLOSED CAB WITH HEATER, (includes all items)	A
1		Ref	OPEN CAB ASSY, (See OPEN CAB for Breakdown)	
2		Ref	CAB HEATER ASSY, (See CAB HEATER for Breakdown)	
3	7139050	1	CAB ENCLOSURE WITH TOP AND FRONT WIPERS, (less heater),(includes items 4 thru 48)	F
4	7028737	1	REAR WINDOW	
5	91404301	1	HAMMER	
6		Ref	ESCAPE DECAL, (See DECALS SECTION for Breakdown)	
7	91404298	3	RIVET	
8		Ref	LOWER DOOR ASSEMBLY, (See CAB DOOR for Breakdown) **(SN 0160008822 through 0160050419, Including 0160050281, 0160050282, 0160050283 and 0160050284)**	
9		Ref	UPPER DOOR ASSY, (See CAB DOOR for Breakdown) **(SN 0160008822 through 0160050419, Including 0160050281, 0160050282, 0160050283 and 0160050284)**	
10	8036050	1	RIGHT SIDE SLIDER WINDOW, (includes items 11 thru 17)	
11	7138953	NLA	REAR SLIDE GLASS, (no longer available, use complete assy 8036050 for replacement), (p/n 7138953 is etched onto glass)	
11	8036197	1	REAR SLIDE GLASS	
12	7138952	NLA	FRONT SLIDE GLASS, (no longer available, use complete assy 8036050 for replacement), (p/n 7138952 is etched onto glass)	
12	8036196	1	FRONT SLIDE GLASS	
13	Kit	1	CAPSCREW	
14	Kit	1	SPACER	
15	Kit	1	LATCH	
16	Kit	1	LOCK BLOCK	
17	Kit	1	KNOB ASSY	
18	8036073	1	LEFT SIDE REAR GLASS	
19	8036069	1	FEMALE DOOR RETAINER	
20	7139267	1	UPPER WIRE DUCT	
21	7139268	1	LOWER WIRE DUCT	
22	8036059	1	STRIKER NUT PLATE WELDMENT	
23	8036060	1	STRIKER BOLT BRACKET	
24	8035437	2	LOCKSCREW, 1/4-20X3/4	
25	8036061	1	FLAT WASHER, 17/32X1.06X.094	
26	8035639	1	CENTER LOCKNUT, 7/16-14	
27	1001109478	1	STRIKER BOLT, 7/16-14X1-1/2	
28	8035487	2	SCREW, 1/4-20X5/8	
29	8035416	2	LOCKWASHER, 1/4X.49ODX.07	
30	8035479	2	ACORN NUT, 1/4-20	
31	8036066	1	RUBBER CONE BUMPER	
32		Ref	FRONT WINDSHIELD WIPER ASSY, (See FRONT WINDSHIELD WIPER for Breakdown)	
33		Ref	SKYLIGHT WIPER ASSY, (See SKYLIGHT WINDSHIELD WIPER for Breakdown)	
34		Ref	RESERVOIR WITH 12 VOLT MOTOR, (See FRONT WINDSHIELD WIPER for Breakdown)	
35	7139444	1	WINDSHIELD SKYLIGHT KIT, (includes items 36 thru 43)	
36	7138958	1	SKYLIGHT GLASS	

SECTION 6 - CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
37	7139316	1	UPPER WINDSHIELD CLIP	
38	7138951	1	WINDSHIELD GLASS	
39	7139298	1	LOWER WINDSHIELD PLATE	
40	7139299	1	BULB SEAL, 0.22X.35X14.75	
41	8310529	5	SELF-TAPPING SCREW, #10-16X.75	
42	8035490	8	SETTING BLOCKS	
43	8035523	AR	URETHANE SEALANT, (apply to items 4, 10, 18, 36 & 37)	
44	7139301	AR	FOAM	
45	8036067	1	WASHER, 5/16	
46	8036068	1	HEX NUT, 5/16-18	
47	8036071	2	WASHER,.28	
48	1001145035	1	DOOR ASSEMBLY (See Separate Breakdown in this Section) **(SN 0160050420 to Present, Excluding 0160050281, 0160050282, 0160050283 and 0160050284)**	
K1	80384445	1	LATCH ASSY KIT (with Latch & Slider - Worthington Windows) (Includes Items 13-15)	
K1	8036199	1	LATCH ASSY KIT (withTwo Latches - Young Windows) (Includes Items 13-15)	
K2	8036198	1	FRICTION LOCK ASSY KIT (includes items 16 & 17)	

FIGURE 6-4. SOFT CAB ENCLOSURE

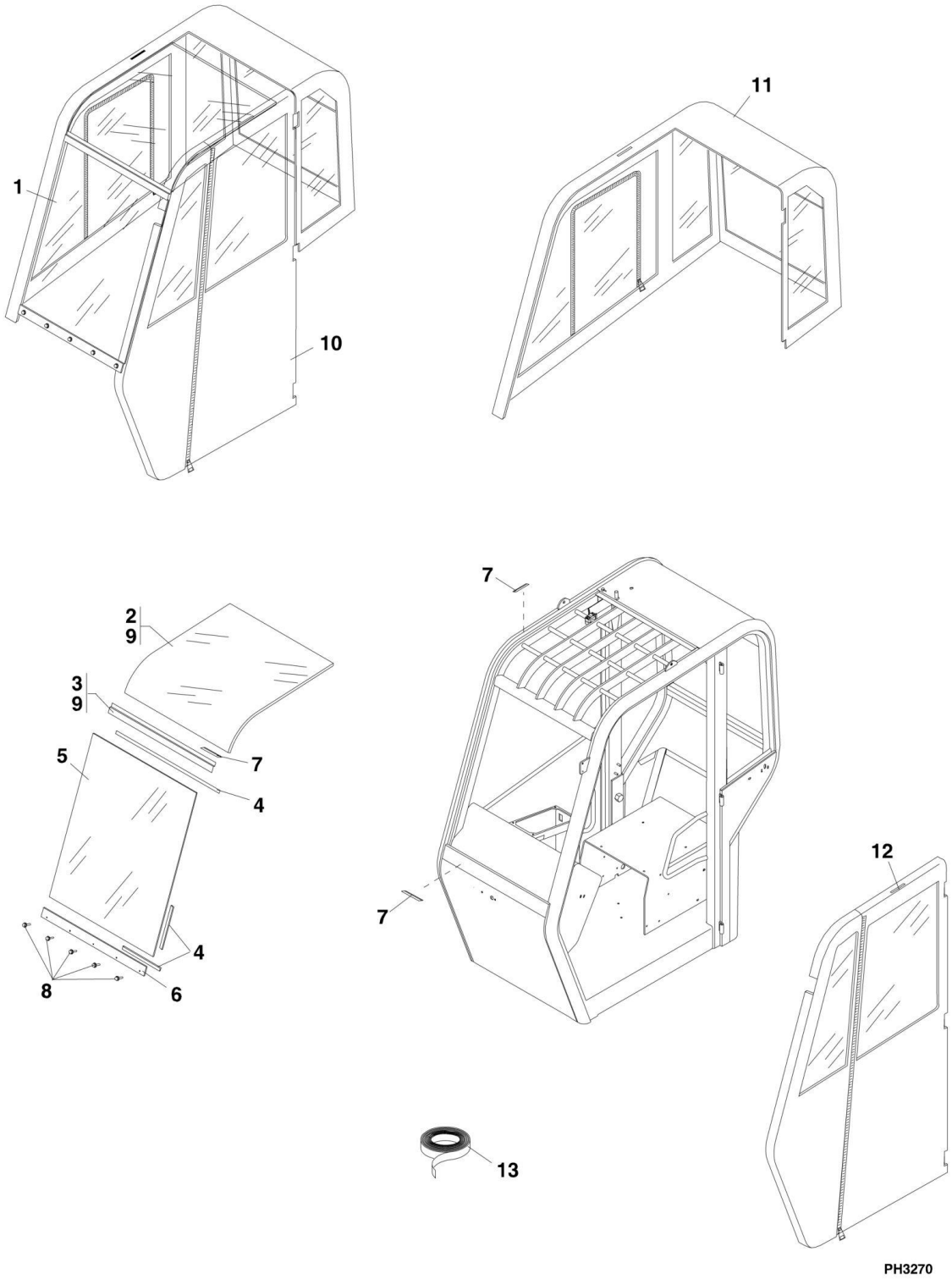


FIGURE 6-4. SOFT CAB ENCLOSURE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139250	1	COMPLETE SOFT CAB ENCLOSURE KIT, (includes all items)	AC
1	7139444	1	WINDSHIELD SKYLIGHT KIT, (includes items 2 thru 9)	
2	7138958	1	SKYLIGHT GLASS	
3	7139316	1	UPPER WINDSHIELD CLIP	
4	7139299	1	BLACK BULB SEAL, 0.22X0.35X14.75	
5	7138951	1	WINDSHIELD GLASS	
6	7139298	1	LOWER WINDSHIELD PLATE	
7	8035490	8	SETTING BLOCK, 1/8X1/4X2	
8	8310529	5	SELF TAPPING SCREW, #10-16X3/4	
9	8035523	1	URETHANE SEALANT, (apply to items 2 & 3)	
10	7139290	1	SOFT CAB ENCLOSURE KIT, (includes items 11, 12 & 13)	
11	7139293	1	SOFT REAR SECTION	
12	7139292	1	SOFT DOOR SECTION	
13	7139294	1	VELCRO KIT	
13	7139295	1	VELCRO BRAND HOOK STRIP 1-1/2X10, ORANGE, (not shown)	
13	7139296	3	VELCRO BRAND HOOK STRIP 2X10, ORANGE, (not shown)	

FIGURE 6-5. CAB DOOR

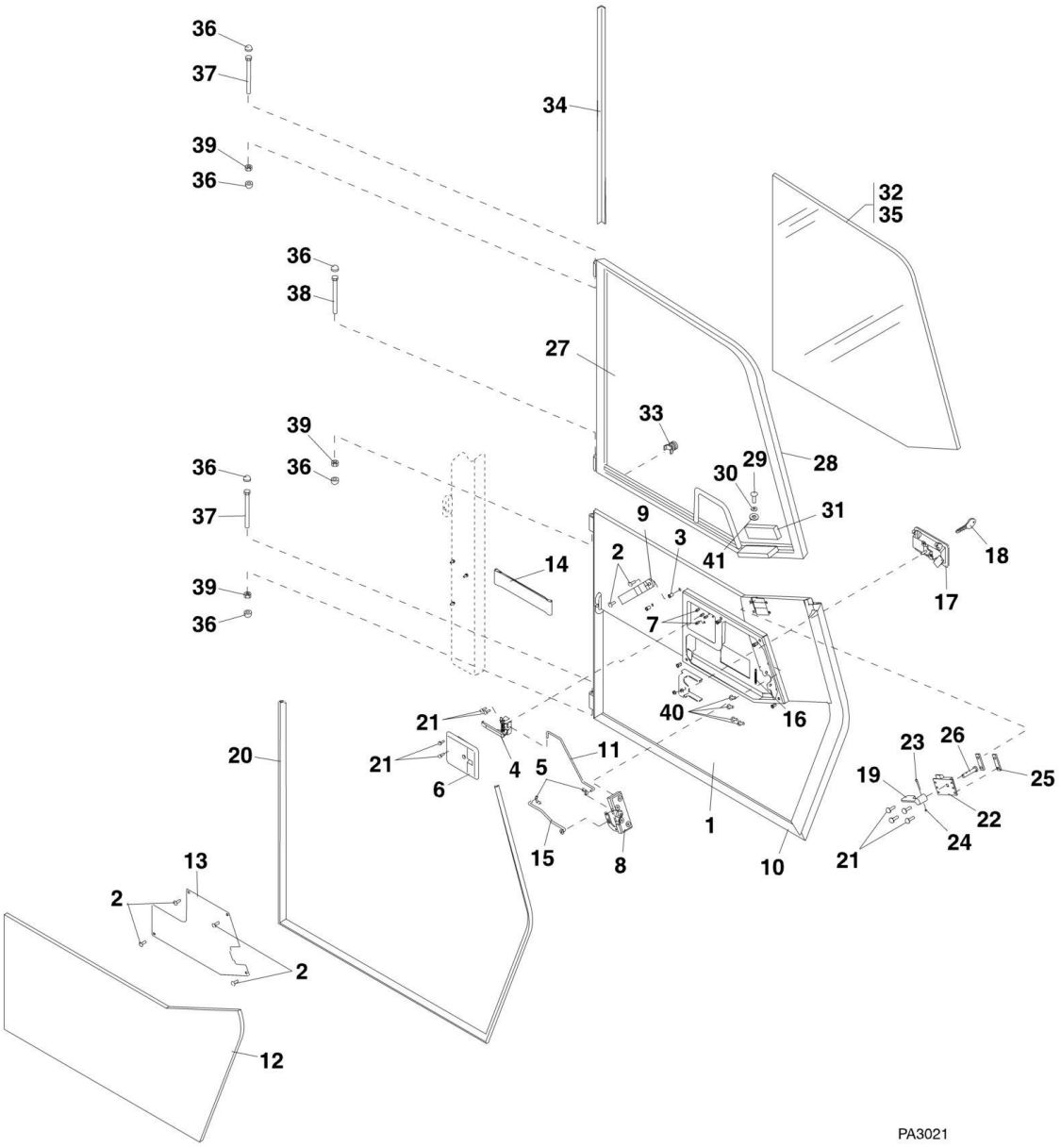


FIGURE 6-5. CAB DOOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8036062	1	LOWER DOOR ASSY, (uses square key), (includes items 2 thru 26 & item 40)	
1	1001109007	1	LOWER DOOR ASSY, (uses round key), (includes items 2 thru 26 & item 40) **(SN 0160008822 through 0160050419, Including 0160050281, 0160050282, 0160050283 and 0160050284)**	A
2	8033856	6	TORX SCREW, 1/4-20	
3	1001103509	6	HEX RIVNUT, 1/4-20	
4	80384192	1	INNER DOOR HANDLE	
5	80384187	2	ROD END RETAINING CLIP	
6	80384193	1	INSIDE DOOR BEZEL	
7	8036085	4	HEX RIVNUT, #10-24	
8	8035439	1	ROTARY LATCH	
9	91344032	1	INSIDE CAB HANDLE	
10	8036090	1	LOWER DOOR WELDMENT	
11	8036093	1	INTERIOR LATCH LINKAGE	
12	8036094	1	LOWER DOOR FOAM	
13	8036095	1	LATCHBOX ACCESS PLATE	
14	8036096	1	DOOR RESTRAINT STRAP	
15	8036097	1	EXTERIOR LATCH LINKAGE WELDMENT	
16	8036098	1	EXTENSION SPRING, 0.219X1-1/2X0.023	
17	8035441	NLA	PADDLE LATCH, (uses square key), (includes item 18), (no longer available, use 1001105892 for replacement)	
17	1001105892	1	PADDLE LATCH, (uses rounded key), (includes item 18)	A
18	8342808	1	KEY, SQUARE	
18	70021948	1	KEY, ROUND	
19	91404315	1	DOOR LEVER RELEASE	
20	8036076	1	BULB SEAL, 15.5mmX10, (cut to fit)	
21	8036088	8	SCREW, #10-24X3/4	
22	91404319	1	SLAM LATCH	
23	91404317	1	SCREW, #8-32X1-1/8	
24	91404318	1	NYLON LOCKNUT, #8-32	
25	8036091	2	SLAM LATCH SPACER	
26	8036092	1	SLAM LATCH SHAFT WELDMENT	
27	1001109406	1	UPPER DOOR ASSY, (includes items 28 thru 35 & item 41) **(SN 0160008822 through 0160050419, Including 0160050281, 0160050282, 0160050283 and 0160050284)**	A
28	8036077	1	UPPER DOOR WELDMENT	
29	8036105	2	TORX SCREW, 1/4-20	
30	8035416	2	WASHER, 1/4IDX.49OD	
31	8036078	1	SLAM LATCH STRIKER	
32	8036079	1	LEFT SIDE DOOR GLASS	
33	8036080	1	RETAINER	
34	8036076	1	BULB SEAL, 15.5mmX10, (cut to fit)	
35	8035523	AR	URETHANE, (apply to item 32)	
36	80364004	6	HEX DOME CAP	
37	8035631	2	BOLT, 3/8-16X4.5	
38	8036064	1	BOLT, 3/8-16X6.5	
39	8035632	3	HEX NUT, 3/8-16	
40	80264074	4	BOLT, 1/4-20X3/4	
41	70020628	2	WASHER	

FIGURE 6-6. CAB DOOR (SN 0160050420 to Present, Excluding 0160050281, 0160050282, 0160050283 and 0160050284)

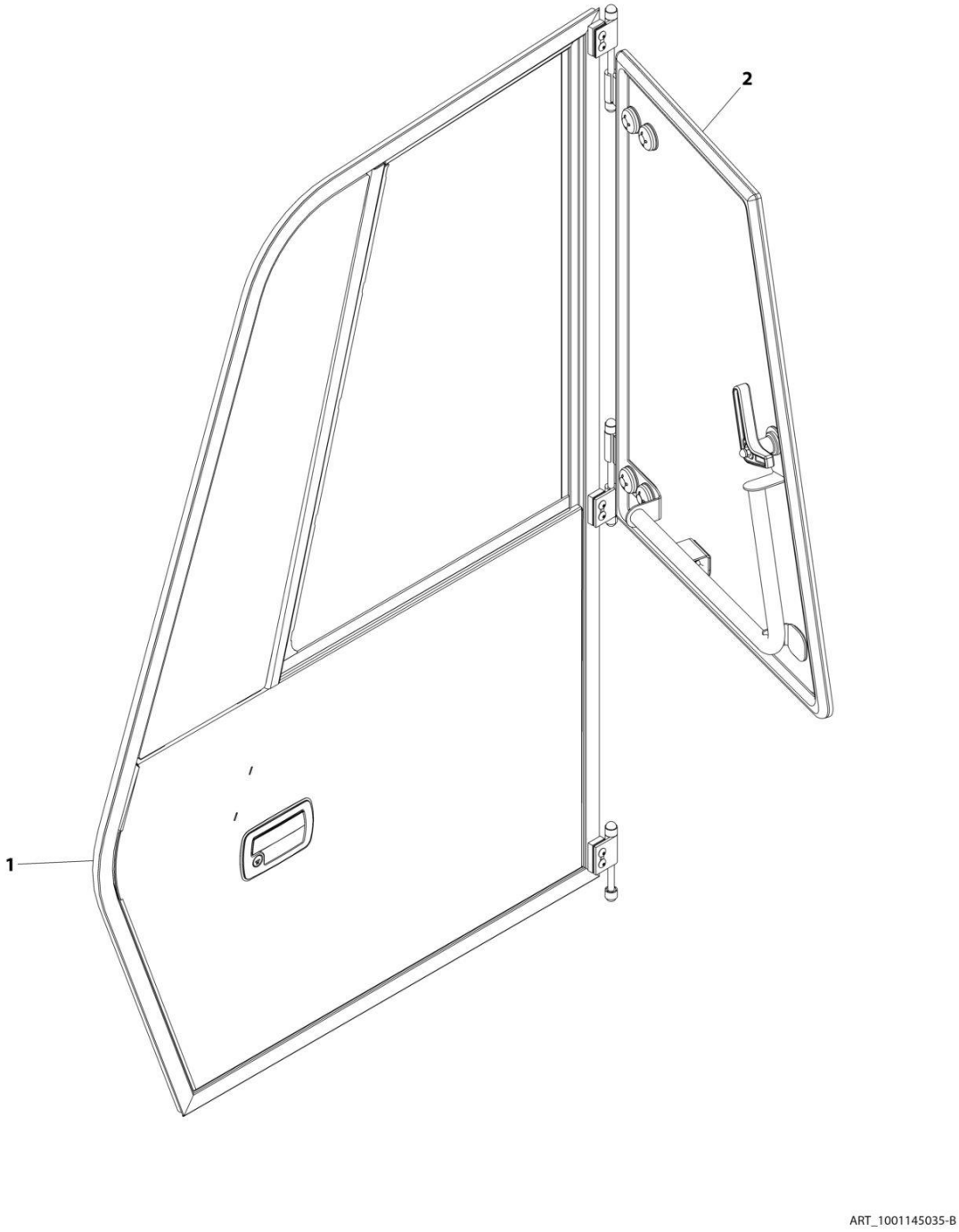


FIGURE 6-6. CAB DOOR (SN 0160050420 to Present, Excluding 0160050281, 0160050282, 0160050283 and 0160050284)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001145035	1	DOOR ASSY, (includes all items)	B
1	1001150229	1	DOOR, CAB	
2	1001150233	1	WINDOW, CAB DOOR	

FIGURE 6-7. OPERATORS SEAT (SN 13198 through 19987, SN 0160002332 through 0160010386)

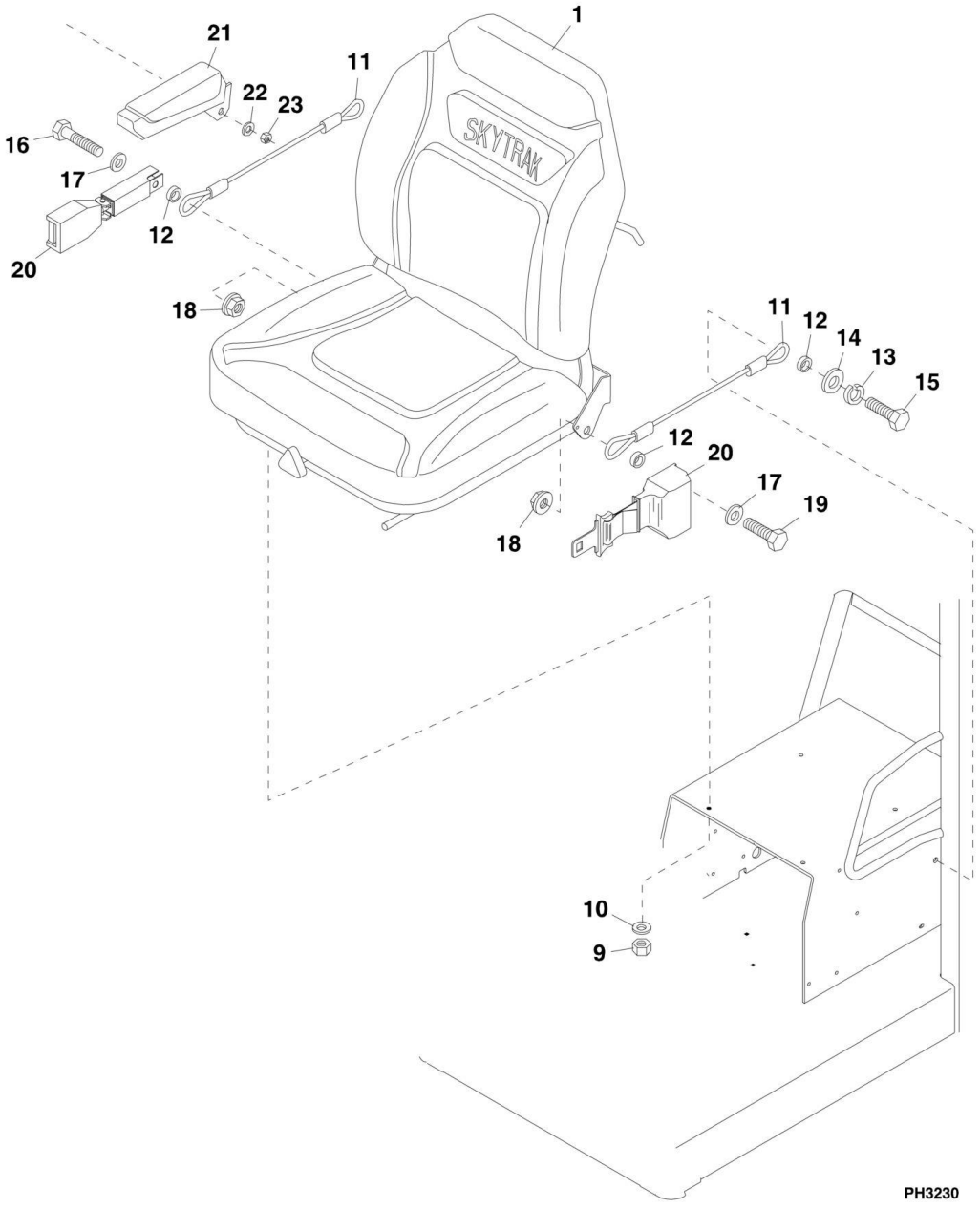


FIGURE 6-7. OPERATORS SEAT (SN 13198 through 19987, SN 0160002332 through 0160010386)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8864053	NLA	SEAT WITH SUSPENSION, (includes items 2 thru 8), (no longer available, use 3980039 and mounting hardware)	D
2	8036009	1	BOOT, 60/76mm, (not shown)	
3	8036010	1	ADJUSTER, 6, (not shown)	
4	8036011	1	DAMPER, (not shown)	
5	8036013	4	UP AND DOWN STOP BUMPER ROLLERS, 7/16 DIA, (not shown)	
6	8036014	1	SPRINGS AND CABLE, (not shown)	
7	8036015	1	HANGER/KNOB/TENSION SHAFT, (not shown)	
8	8036017	1	CUSHION/PAN ASSY KIT, (not shown)	
9	8305626	4	HEX LOCKNUT, 5/16-18	
10	8307106	4	PLAIN WASHER, 0.312	
11	7138883	2	TETHER	
12	7096491	4	SPACER	
13	8307006	2	LOCKWASHER, 7/16	
14	8307205	2	PLAIN WASHER, 7/16X1.125 OD	
15	8303674	2	HEX HD CAPSCREW, 7/16-14X1.50, GR5	
16	N.S.S.	1	HEX HD CAPSCREW, 7/16-20X2.5, GR5, (included with seat belt)	
17	N.S.S.	2	PLAIN WASHER, 7/16, (included with seat belt)	
18	N.S.S.	2	HEX FLANGED NUT, 7/16-20, (included with seat belt)	
19	N.S.S.	1	HEX HD CAPSCREW, 7/16-20X1.5, GR5, (included with seat belt)	
20	8864057	1	2 IN STANDARD SEAT BELT, (includes mounting hardware)	
21	7138858	1	ARM REST	
22	8307106	2	FLAT WASHER, 5/16	
23	8305626	2	LOCKNUT, 5/16-18	

FIGURE 6-8. OPERATORS SEAT (SN 0160010401 through 0160045249, Including 0160045255)

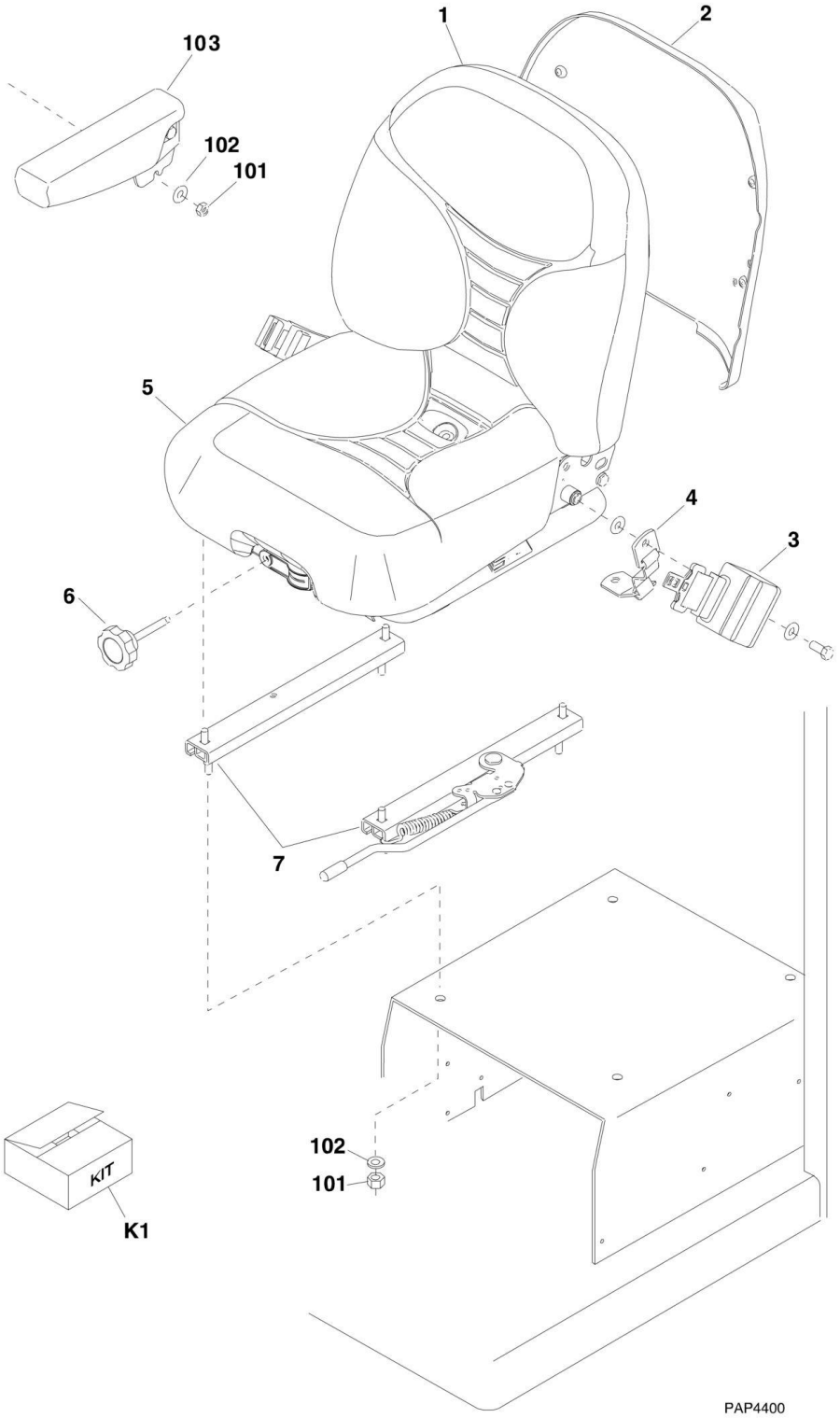


FIGURE 6-8. OPERATORS SEAT (SN 0160010401 through 0160045249, Including 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3980039	1	SUSPENSION SEAT, (includes items 1 thru 7) (10042,10054,8042) **(8042 SN 0160010401 through 0160034228; 10042 SN 0160010401 through 0160034239; 10054 SN 0160010401 through 0160034229)**	C
	1001101085	1	SUSPENSION SEAT, (includes items 1 thru 7) (10042,10054,8042) **(8042 SN 0160034229 through 0160045249; 10042 SN 0160034240 through 0160045249; 10054 SN 0160034230 through 0160045249; Including 0160045255, 0160045255 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	D
1	7026900	1	BACK CUSHION KIT	
2	7026902	1	BACK PANEL KIT WITH MANUAL CASE, (10042,10054,8042) **(8042 SN 0160010401 through 0160034228; 10042 SN 0160010401 through 0160034239; 10054 SN 0160010401 through 0160034229)**	
2	70023558	1	BACK PANEL KIT WITHOUT MANUAL CASE, (10054,10054,8042) **(8042 SN 0160034229 through 0160045249; 10042 SN 0160034240 through 0160045249; 10054 SN 0160034230 through 0160045249; Including 0160045255, 0160045255 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
3	7026905	1	SEAT BELT KIT	
	91563164	NLA	SEAT BELT, 3IN (California Only), (not included with 3980039/1001101085) (no longer available, use 70023139 for replacement)	
4	7026906	1	TETHER KIT	
5	7026901	1	SEAT CUSHION KIT	
6	7026799	1	KNOB KIT	
7	7026798	1	SLIDE KIT	
8	70023040	1	SHOCK ABSORBER KIT, (not shown), (includes one shock absorber, two shock pins and two hex nuts)	
9	70023041	1	SPRING AND SADDLE KIT, (not shown)	
10	70023890	1	BOOT KIT, (not shown)	
101	8305626	6	HEX LOCKNUT, 5/16-18	
102	8307106	6	PLAIN WASHER, 0.312	
103	7138858	1	ARM REST	
K1	70023139	1	SEAT BELT KIT, 3 IN, (includes female and retractor ends)	

FIGURE 6-9. FRONT WINDSHIELD WIPER

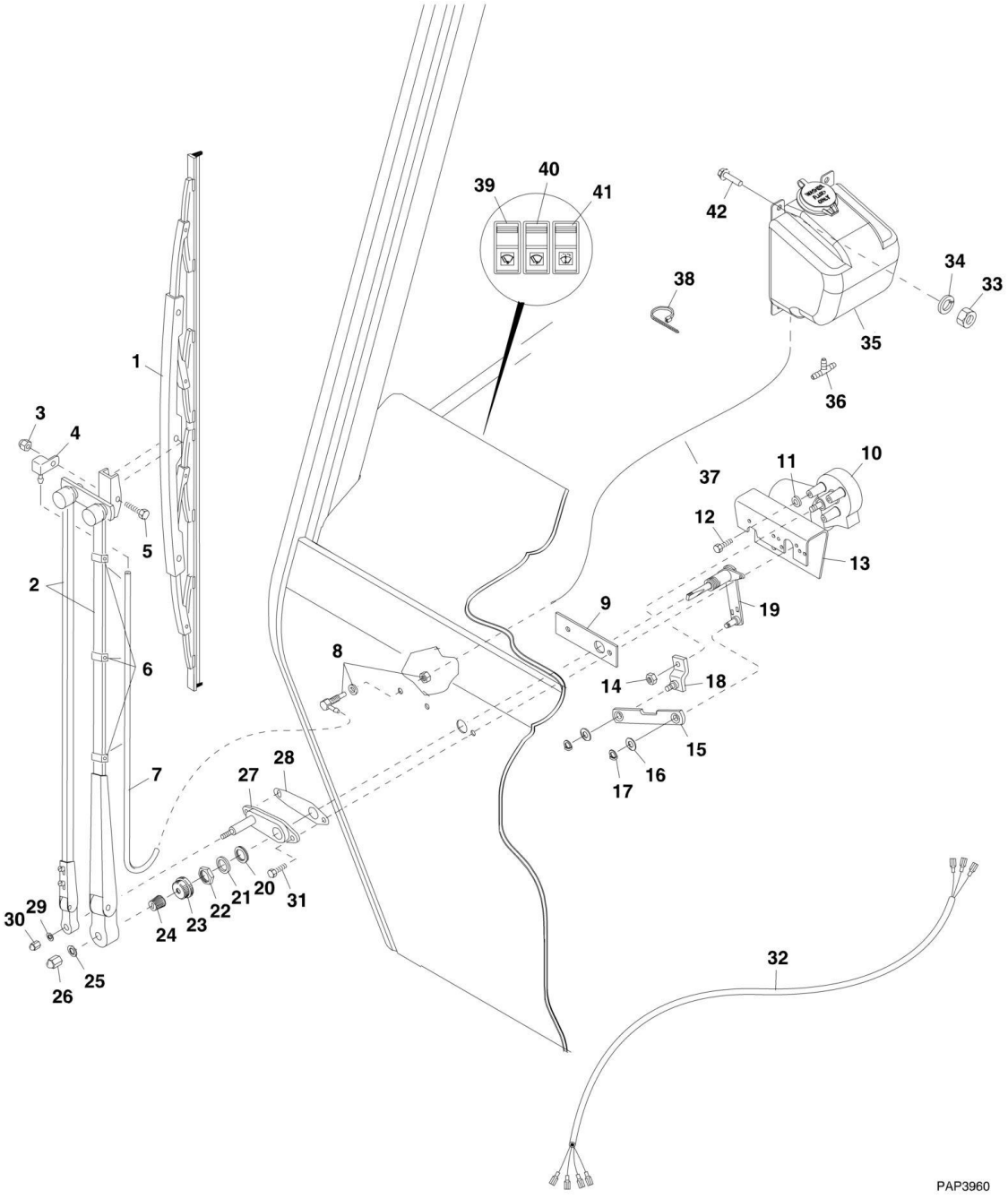


FIGURE 6-9. FRONT WINDSHIELD WIPER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8036056	1	FRONT WINDSHIELD WIPER ASSY, (includes items 1 thru 31)	
1	8035392	1	28 IN WIPER FLEX BLADE	
2	8035393	1	24 IN FLEX WIPER ARM ASSY, (includes items 3 thru 7)	
3	N.S.S.	1	LOCKNUT	
4	N.S.S.	1	SPRAYER NOZZLE	
5	N.S.S.	1	BOLT	
6	N.S.S.	3	CLIPS, HOSE	
7	N.S.S.	1	HOSE	
8	1001081310	1	WET ARM ADAPTOR	
9	8036100	1	FRONT WIPER MOTOR SPACER	
10	7029860	1	WIPER MOTOR ASSY, (includes items 11 thru 17)	
11	N.S.S.	3	FLAT WASHER, 5/16	
12	N.S.S.	3	HEX HD CAPSCREW, 1/4-28X1	
13	N.S.S.	1	WIPER MOTOR BRACKET	
14	N.S.S.	1	NUT	
15	8035409	1	CONNECTING LINK	
16	N.S.S.	2	FLAT WASHER, 0.560X0.251X0.015	
17	N.S.S.	2	SPRING CLIP	
18	8035411	1	WIPER ARM DRIVE	
19	8036099	1	WIPER SHAFT AND PIVOT ASSY, (includes items 20 thru 26)	
20	N.S.S.	1	RUBBER WASHER	
21	N.S.S.	1	METAL WASHER	
22	N.S.S.	1	HEX JAM NUT,11/16-18	
23	N.S.S.	1	RUBBER CAP	
24	N.S.S.	1	KNURLED DRIVER	
25	N.S.S.	1	LOCKWASHER, 3/8, (internal tooth)	
26	N.S.S.	1	ACORN NUT, 1/4-28	
27	8034815	1	PANTO ADAPTER ASSY, (includes items 28 thru 30)	
28	N.S.S.	1	GASKET	
29	N.S.S.	1	LOCKWASHER,1/4, (internal tooth)	
30	N.S.S.	1	ACORN NUT, 1/4-28	
31	80384207	2	HEX HD CAPSCREW, 1/4-28X3/4	
32	8036070	1	WIPER HARNESS	
33	8035479	3	NUT, 1/4-20	
34	8035416	3	LOCKWASHER, 1/4	
35	8033065	NLA	RESERVOIR, (no longer available, use 1001111112 for replacement)	
35	1001111112	1	RESERVOIR	
35	70025480	1	Pump, Reservoir	
36	8036072	1	WASHER HOSE CONNECTOR TEE	
37	8033075	1	WASHER HOSE, 120	
38	8584001	AR	TY-RAP	
39	8223043	1	FRONT WINDSHIELD WIPER SWITCH	
40		Ref	SKYLIGHT WINDSHIELD WIPER SWITCH, (See SKYLIGHT WINDSHIELD WIPER for Breakdown)	
41	8223044	1	WINDSHIELD WASHER SWITCH	
42	80264045	3	SCREW, 1/4-20X5/8	

FIGURE 6-10. SKYLIGHT WINDSHIELD WIPER

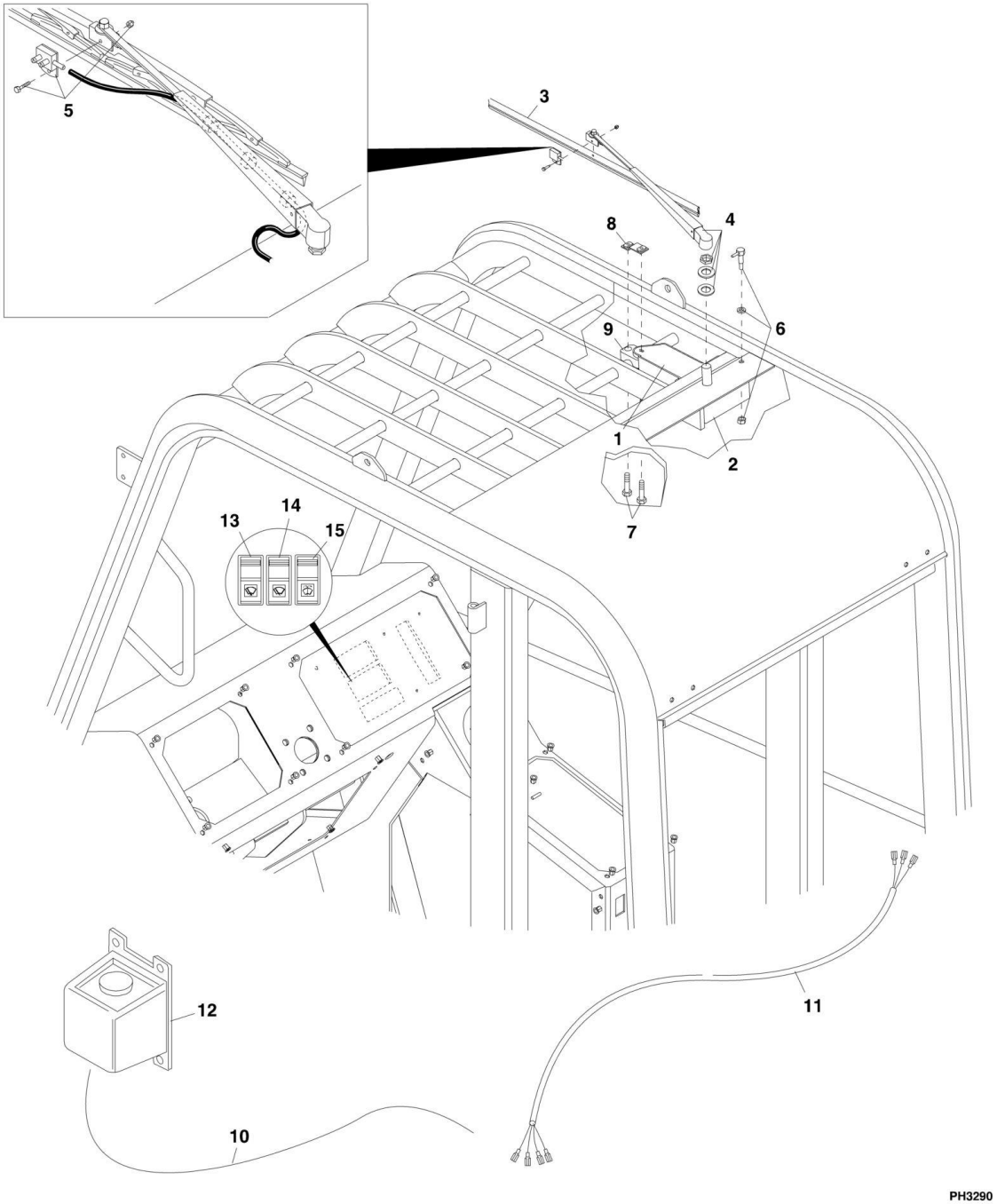


FIGURE 6-10. SKYLIGHT WINDSHIELD WIPER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8036049	1	SKYLIGHT WIPER ASSY, (includes items 1 thru 9)	
1	8035492	1	SKYLIGHT WIPER MOTOR	
2	8035493	1	WIPER MOTOR COVER	
3	8035498	1	WIPER BLADE	
4	8035500	1	WIPER ARM	
5	8035499	1	WET KIT	
6	1001081310	1	WET ARM ADAPTER	
7	8036102	2	MACHINE SCREW, #10-24X1-1/2	
8	8035496	1	PLASTIC CLAMP BLOCK	
9	8036103	1	WIPER MOUNT WELDMENT	
10		Ref	WASHER HOSE, 120, (See FRONT WINDSHIELD WIPER for Breakdown)	
11		Ref	WIPER HARNESS, (See FRONT WINDSHIELD WIPER for Breakdown)	
12		Ref	RESERVOIR WITH 12V MOTOR, (See FRONT WINDSHIELD WIPER for Breakdown)	
13		Ref	FRONT WINDSHIELD WIPER SWITCH, (See FRONT WINDSHIELD WIPER for Breakdown)	
14	8223043	1	SKYLIGHT WINDSHIELD WIPER SWITCH	
15		Ref	FRONT WASHER SWITCH, (See FRONT WINDSHIELD WIPER for Breakdown)	

FIGURE 6-11. CAB HEATER (8042 SN 13198 through 19987; 10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160031884, SN 0160002332 through 0160031656, SN 0160002332 through 0160031886)

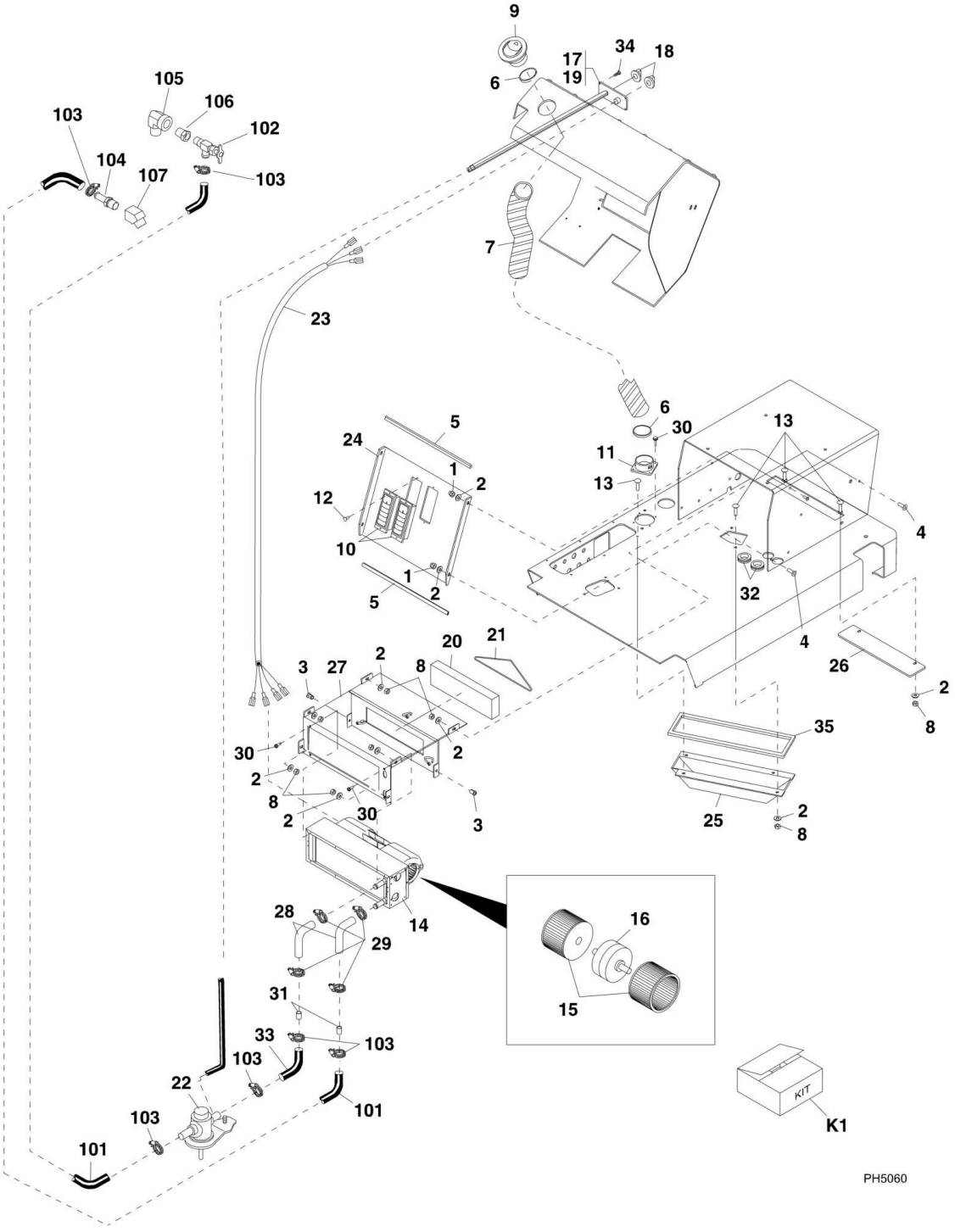


FIGURE 6-11. CAB HEATER (8042 SN 13198 through 19987; 10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160031884, SN 0160002332 through 0160031656, SN 0160002332 through 0160031886)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139049	1	CAB HEATER ASSY, (includes items 1 thru 32)	
1	8035479	4	ACORN NUT, 1/4-20	
2	8035416	16	LOCKWASHER, 1/4 IDX.49 OD	
3	1001103509	2	HEX PILOT RIVNUT, 1/4-20X.305	
4	8035487	12	SCREW, 1/4-20X.625	
5	80364020	2	SLOT EDGE TRIM, 2.69	
6	8035406	2	WIDE NYLON TIE	
7	8036110	1	FLEX HOSE ASSY	
8	8035417	12	HEX NUT, 1/4-20, GR5	
9	8035402	1	4 IN ROUND LOUVER, WITH 2-1/2 COLLAR	
10	8035668	2	RECTANGULAR LOUVER, 49mmX121mm	
11	8035431	1	HOSE ADAPTER, 2-1/2	
12	8036111	4	PAN HEAD SELF-TAPPING SCREW, #6X3/4	
13	8036112	6	CARRIAGE BOLT, 1/4-20X1	
14	1001081043	1	HEATER, 12V, (includes items 15 & 16)	
15	8036421	2	BLOWER WHEEL	
16	8036422	1	MOTOR, 12V	
17	8036114	1	PANEL/CABLE HEATER CONTROL, (includes item 18 & 19)	
18	8036388	2	POSITIONING KNOB, (includes set screw and brass insert)	
19	8036463	2	SWITCH	
20	1001081375	1	AIR FILTER	
21	1001081376	1	RUBBER O-RING	
22	1001081045	1	HEATER WATER VALVE	
23	8036118	1	HEATER WIRE HARNESS	
24	8036119	1	HEATER LOUVER PANEL	
25	8036120	1	HEATER DUCT	
26	8036121	1	FILTER ACCESS PLATE	
27	8036122	1	HEATER MOUNT WELDMENT	
28	8036124	2	RUBBER HOSE, 90	
29	1001081072	4	HOSE CLAMP, 1/2X1-1/4	
30	80384221	8	SELF-TAPPING SCREW, #8-32X.50	
31	1001109417	2	COPPER SPLICE, 5/8 HEATER HOSE	
32	1001081049	2	SPLIT RUBBER GROMMET	
33	6620472	1	HEATER HOSE ASSY	
34	8303034	4	TRUSS HD TORX SCREW, 1/4-20X3/4	
35	8035599	1	FOAM, 0.25X0.5	
	7301866	Ref	CAB HEATER HOSE INSTALLATION, (not available to order, see items 101 thru 107 for service)	E
101	7139174	2	HEATER HOSE ASSY	
102	8360005	1	SHUT OFF VALVE	
103	8405007	6	GEAR CLAMP, 1.25 DIA MAX	
104	8430048	1	PIPE THREAD REDUCER, 10-8P	
105	8540218	1	ADAPTER, 90	
106	2220251	1	PIPE THREAD REDUCER, 6-8P	
107	8540231	1	ADAPTER, 45	
K1	7148100	1	FIELD INSTALL HEATER KIT, (includes items 1 thru 33, 101 thru 104 & 106)	

FIGURE 6-12. CAB HEATER (8042 SN 0160031885 through 0160045249; 10042 SN 0160031657 through 0160045249; 10054 SN 0160031887 through 0160045249; Including 0160045255, 0160045255 and 0160045255)

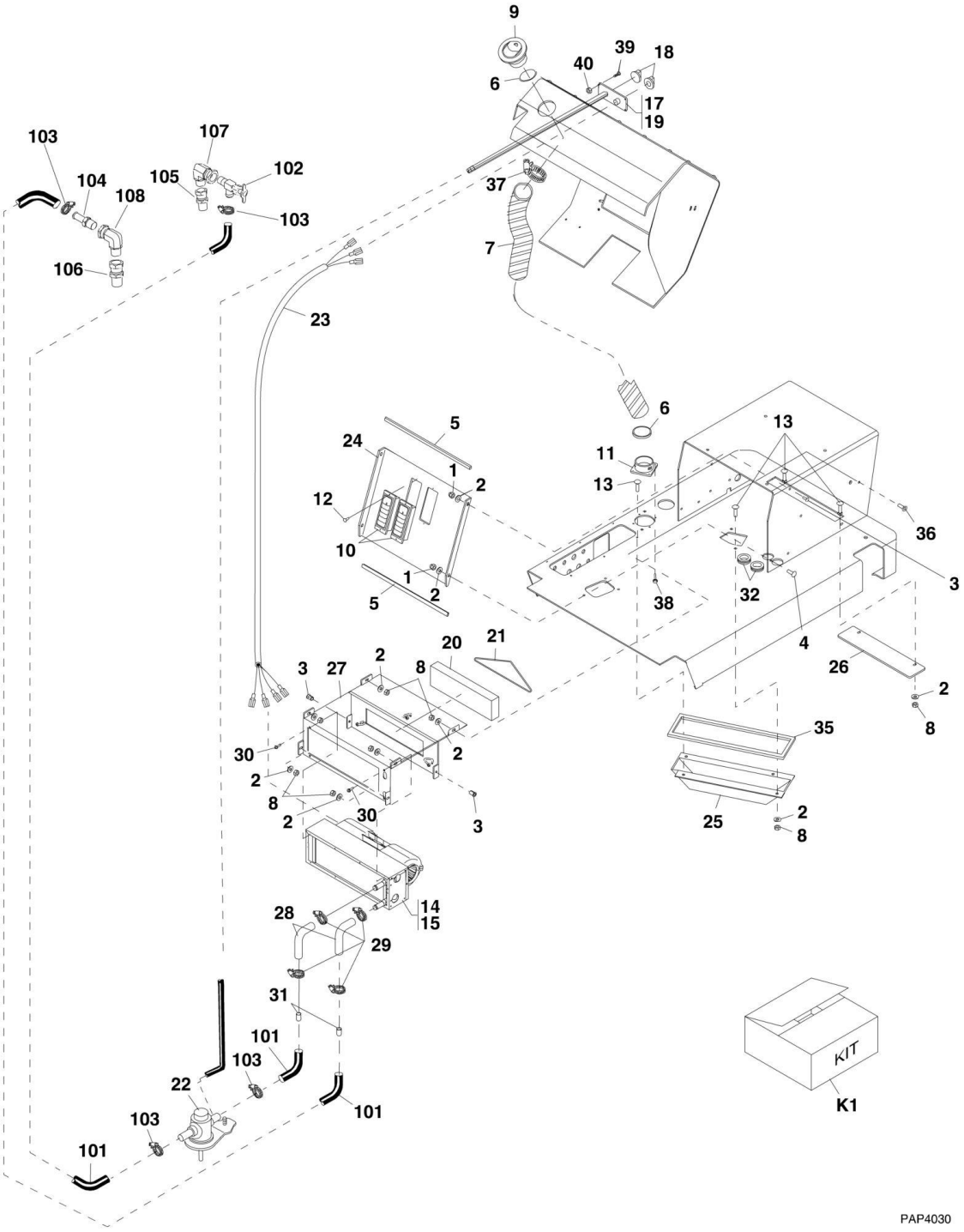


FIGURE 6-12. CAB HEATER (8042 SN 0160031885 through 0160045249; 10042 SN 0160031657 through 0160045249; 10054 SN 0160031887 through 0160045249; Including 0160045255, 0160045255 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139049	NLA	CAB HEATER ASSY, (no longer available, order 1001125837 or see item 1 thru 32 for service)	B
	1001125837	1	CAB HEATER KIT, (includes items 1 thru 40)	B
1	8035479	4	ACORN NUT, 1/4-20	
2	8035416	14	LOCKWASHER, 1/4 IDX.49 OD	
3	1001103509	4	HEX PILOT RIVNUT, 1/4-20X.305	
4	91344043	4	BOLT, 1/4-20X.305	
5	80364020	2	SLOT EDGE TRIM, 2.69	
6	8035406	2	WIDE NYLON TIE	
7	8036110	1	FLEX HOSE ASSY	
8	8035417	12	HEX NUT, 1/4-20, GR5	
9	8035402	1	4 IN ROUND LOUVER, WITH 2-1/2 COLLAR	
10	8035668	2	RECTANGULAR LOUVER, 49mmX121mm	
11	8035431	1	HOSE ADAPTER, 2-1/2	
12	1001081073	8	PAN HEAD SELF-TAPPING SCREW, #8-15X1/2	
13	8036112	6	CARRIAGE BOLT, 1/4-20X1	
14	1001125774	1	HEATER, 12V, (includes items 15)	
15	1001126234	2	MOTOR, 12V	
17	8036114	1	PANEL/CABLE HEATER CONTROL, (includes item 18 & 19)	
18	8036388	2	POSITIONING KNOB, (includes set screw and brass insert)	
19	8036463	2	SWITCH	
20	1001081375	1	AIR FILTER	
21	1001081376	1	RUBBER O-RING	
22	1001081045	1	HEATER WATER VALVE	
23	8036118	1	HEATER WIRE HARNESS	
24	70020631	1	HEATER LOUVER PANEL	
25	8036120	1	HEATER DUCT	
26	8036121	1	FILTER ACCESS PLATE	
27	8036122	1	HEATER MOUNT WELDMENT	
28	8036124	2	RUBBER HOSE, 90	
29	1001081072	4	HOSE CLAMP, 1/2X1-1/4 **(SN 0160002332 through 0160057851)**	
29	8410009	4	CLAMP, GEAR **(SN 0160057851 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
30	80384221	8	SELF-TAPPING SCREW, #8-32X.50	
31	1001081046	2	COPPER SPLICE, 5/8 HEATER HOSE	
32	1001081049	2	SPLIT RUBBER GROMMET	
35	8035599	1	FOAM, 0.25X0.5	
36	8033856	8	SCREW, 1/4-20X3/4	
37	8405202	1	HOSE CLAMP, SAE #36	
38	91404298	4	RIVET	
39	8036128	4	SCREW, #6-32X1/2	
40	8036129	4	NYLOCK NUT, # 6-32	
	1001097993	NLA	CAB HEATER HOSE INSTALLATION, (no longer available, see items 101 thru 108 for service)	A
101	7139174	2	HEATER HOSE ASSY	
102	8360005	1	SHUT OFF VALVE	
103	8405007	5	GEAR CLAMP, 1.25 DIA MAX	
104	8430048	1	PIPE THREAD REDUCER, 10-8P	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
105	2220008	1	STRAIGHT CONNECTOR, (swivel nut)	
106	2220009	1	STRAIGHT CONNECTOR, (swivel nut)	
107	2220067	1	ELBOW, 90	
108	2220070	1	ELBOW, 90, (swivel nut)	
K1	7148100	1	FIELD INSTALL HEATER KIT, (includes items 1 thru 32, 101 thru 104)	

SECTION 7 - CONTROLS

FIGURE 7-1. SERVICE BRAKE PEDAL CONTROL

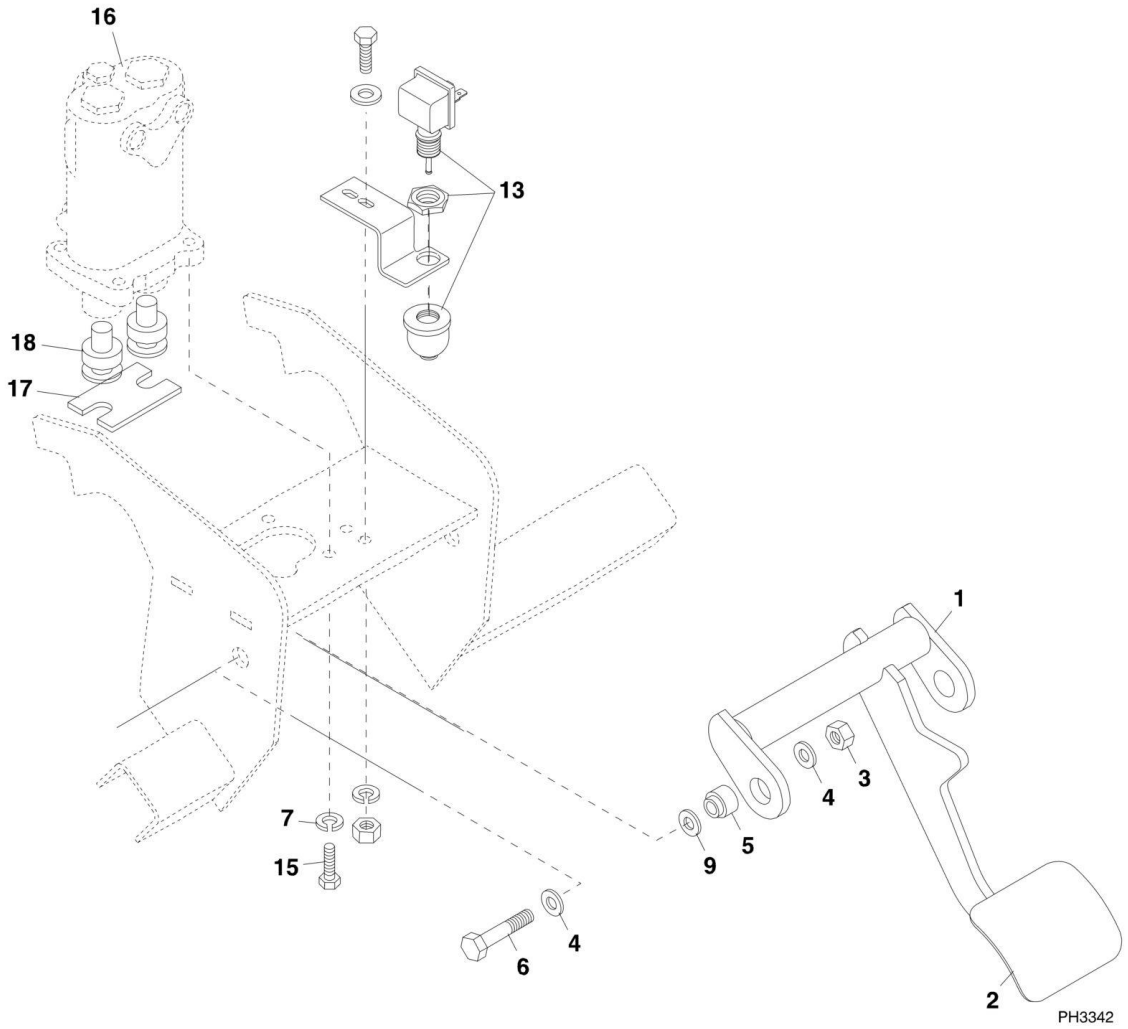


FIGURE 7-1. SERVICE BRAKE PEDAL CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8024024	1	SERVICE BRAKE PEDAL KIT, (includes items 2 thru 6)	
2	7139027	1	BRAKE PEDAL (10042,10054,8042) **(8042 SN 0160002332 through 0160038967; 10042 SN 0160002332 through 0160038368; 10054 SN 0160002332 through 0160038740, Excluding 0160021270; Including 0160038971, 0160038984 and 0160038375, Excluding 0160036713, 0160036715, 0160036721 and 0160036723)**	
2	1001103113	1	BRAKE PEDAL (10042,10054,8042) **(8042 SN 0160038967 through 0160045249, Excluding 0160038971; 10042 SN 0160038368 through 0160045249, Excluding 0160038375; 10054 SN 0160038740 through 0160045249; Including 0160045255, 0160045255, 0160045255, 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220, 0160043244 and 0160038984)**	
3	8305644	2	STOP NUT, 1/2-13	
4	8307206	4	FLAT WASHER, 1/2	
5	7129521	2	BRAKE PEDAL PIVOT	
6	8303658	2	HEX HD CAPSCREW, 1/2-13X2	
7	8307023	4	LOCKWASHER, M10	
9	5724302	AR	SHIM	
13		Ref	SERVICE BRAKE SWITCH, (See ELECTRICAL SECTION for Breakdown)	
14	8307002	2	LOCKWASHER, 1/4	
15	8303755	4	HEX HD CAPSCREW, M10-1.5X30mm	
16		Ref	BRAKE VALVE, (See HYDRAULIC CIRCUITS SECTION for Breakdown)	
17	91511145	1	TIE BAR	
18	91513180	2	ACTUATOR	

FIGURE 7-2. THROTTLE PEDAL CONTROL (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

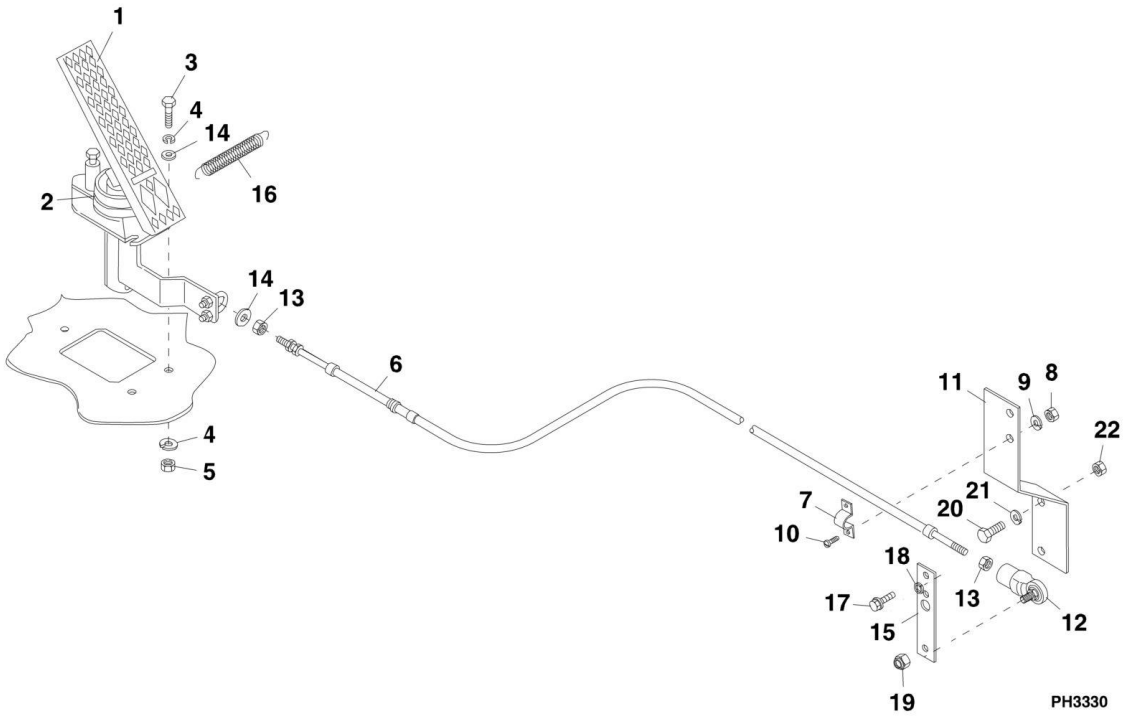


FIGURE 7-2. THROTTLE PEDAL CONTROL (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8162003	1	THROTTLE PEDAL, (includes item 2)	
2	8033178	1	THROTTLE PEDAL BELLOWS	
3	8303540	3	HEX HD CAPSCREW, 1/4-20X1	
4	8307002	3	LOCKWASHER, 1/4	
5	8305004	3	HEX NUT, 1/4-20	
6	8160080	1	THROTTLE CABLE	
7	8160610	1	CABLE CLAMP	
8	8305002	2	HEX NUT, #10-24	
9	8307003	2	LOCKWASHER, #10	
10	8303837	2	ROUND HD SCREW, #10-24X3/4	
11	7127102	1	THROTTLE CABLE BRACKET	
12	8340034	1	ROD END	
13	8305402	2	JAM NUT, 1/4	
14	8307109	AR	FLAT WASHER, 1/4	
15	7127091	1	THROTTLE LEVER EXTENSION	
16	8700116	1	SPRING	
17	8303799	2	HEX HD CAPSCREW, M6X14mm	
18	8307024	2	LOCKWASHER, M6	
19	8305650	1	LOCKNUT, 1/4	
20	8303790	2	HEX HD CAPSCREW, M12X30mm	
21	8307025	2	LOCKWASHER, M12	
22	8305624	2	HEX LOCKNUT	

FIGURE 7-3. THROTTLE PEDAL CONTROL (8042 SN 18991 through 19987, SN 0160002332 through 0160016590; 10042 SN 19031 through 19987, SN 0160002332 through 0160016667; 10054 SN 19080 through 19987, SN 0160002332 through 0160016706)

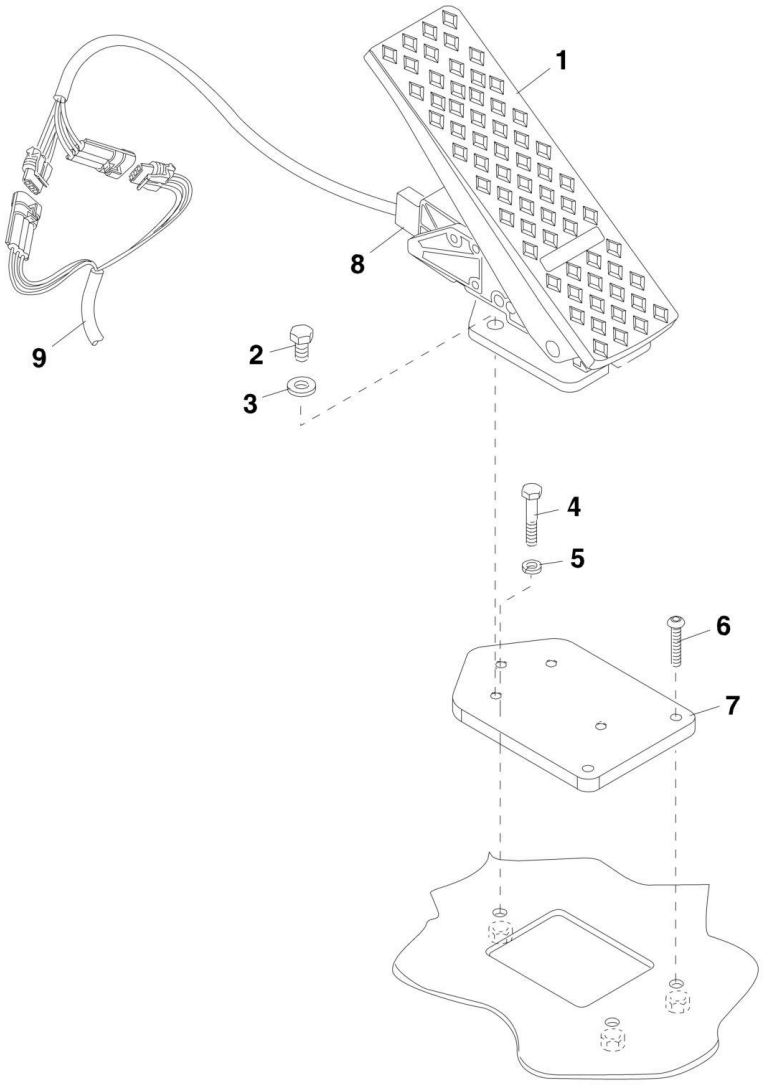
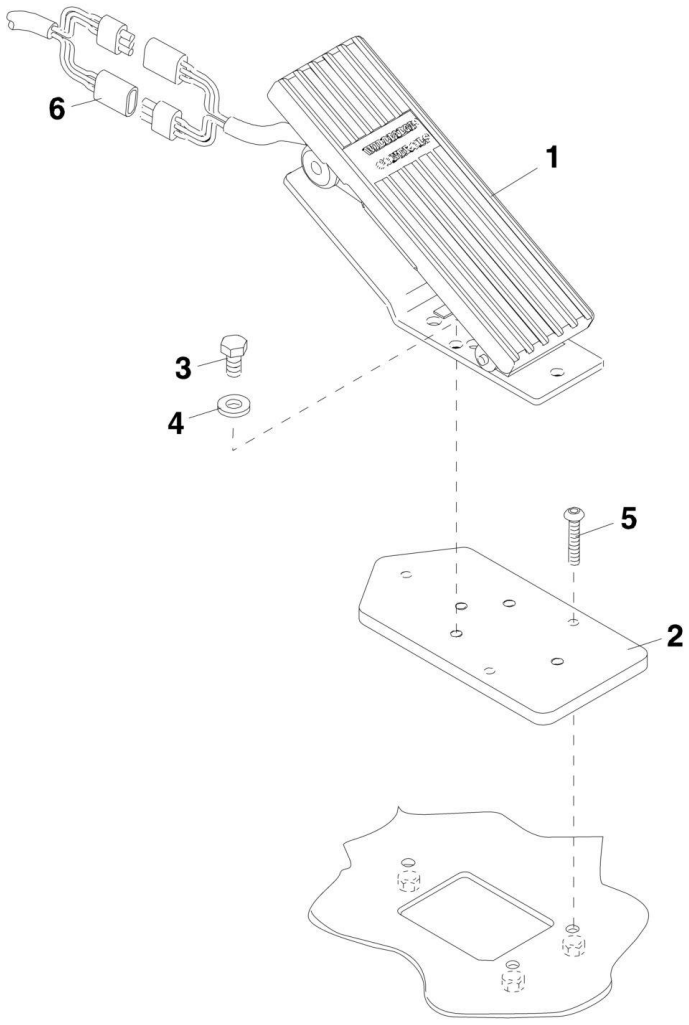


FIGURE 7-3. THROTTLE PEDAL CONTROL (8042 SN 18991 through 19987, SN 0160002332 through 0160016590; 10042 SN 19031 through 19987, SN 0160002332 through 0160016667; 10054 SN 19080 through 19987, SN 0160002332 through 0160016706)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8162007	1	THROTTLE PEDAL, (accelerator), (includes item 8)	
2	8303745	3	HEX HD CAPSCREW, 5/16-18X5/8, GR5	
3	8307106	3	PLAIN WASHER, 5/16	
4	8303743	1	HEX HD CAPSCREW, 1/4-20X1-1/2, GR5	
5	8307002	1	LOCKWASHER, 1/4	
6	8310725	2	SCREW BUTTON HEAD CAP, 1/4-20X1-1/4	
7	7301530	1	THROTTLE ADAPTOR PLATE	
8	7029516	1	POTENTIOMETER	
9		Ref	ECM HARNESS, (See ELECTRICAL SECTION for Breakdown)	

FIGURE 7-4. THROTTLE PEDAL CONTROL (8042 SN 0160016610 through 0160045249; 10042 SN 0160016668 through 0160045249; 10054 SN 0160016729 through 0160045249; Including 0160045255, 0160045255 and 0160045255)



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FIGURE 7-4. THROTTLE PEDAL CONTROL (8042 SN 0160016610 through 0160045249; 10042 SN 0160016668 through 0160045249; 10054 SN 0160016729 through 0160045249; Including 0160045255, 0160045255 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7301585	1	THROTTLE PEDAL ADAPTOR ASSY, (includes items 1 thru 5)	C
1	3400022	1	THROTTLE PEDAL, (accelerator)	
2	3576442	1	THROTTLE ADAPTOR PLATE	
3	8303745	4	HEX HD CAPSCREW, 5/16-18X5/8, GR5	
4	8307106	4	PLAIN WASHER, 5/16	
5	8310725	3	SCREW BUTTON HEAD CAP, 1/4-20X1-1/4	
6	7301514	1	ECM HARNESS	

FIGURE 7-5. STEERING WHEEL AND SHIFTER

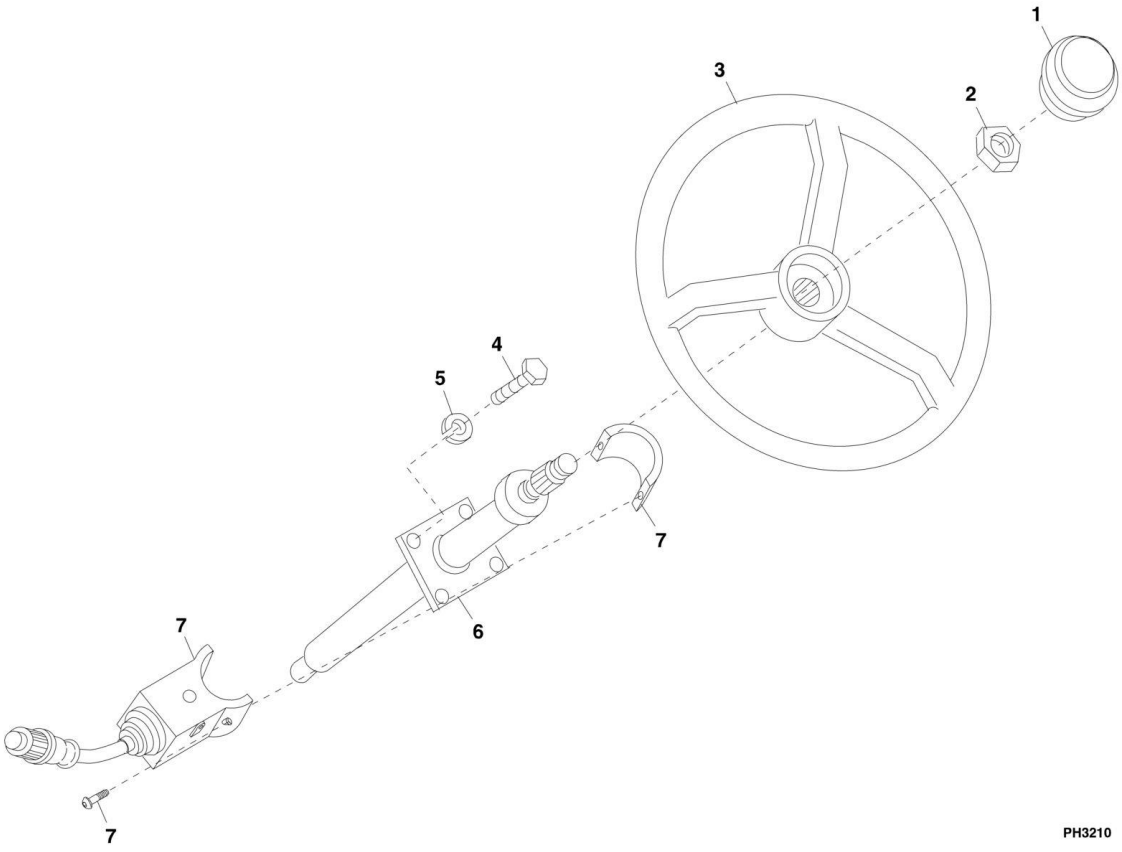


FIGURE 7-5. STEERING WHEEL AND SHIFTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7138878	1	STEERING WHEEL CAP WITH HORN SWITCH	
2	8305916	1	STEERING COLUMN NUT, (torque to 50 lb-ft)	
3	7138836	1	STEERING WHEEL	
4	8303534	4	FLANGE HD CAPSCREW, #10-16X1-1/4, (torque to 13 lb-ft)	
5	8307005	4	LOCKWASHER, 3/8	
6	7138833	1	STEERING COLUMN	
6	7029367	1	HORN BRUSH KIT	
7	8223049	1	TRANSMISSION RANGE SELECTOR SHIFTER, (includes mounting hardware), (torque to 25 in-lb) (10042,10054,8042) **(8042 SN 13198 through 19987; 10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160014248, SN 0160002332 through 0160015195, SN 0160002332 through 0160015198)**	
7	1600429	1	TRANSMISSION RANGE SELECTOR SHIFTER, (includes mounting hardware), (torque to 25 in-lb) (10042,10054,8042) **(8042 SN 0160015216 through 0160045249; 10042 SN 0160015292 through 0160045249; 10054 SN 0160015218 through 0160045249; Including 0160045255, 0160045255 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	

FIGURE 7-6. CONTROL CONSOLE (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

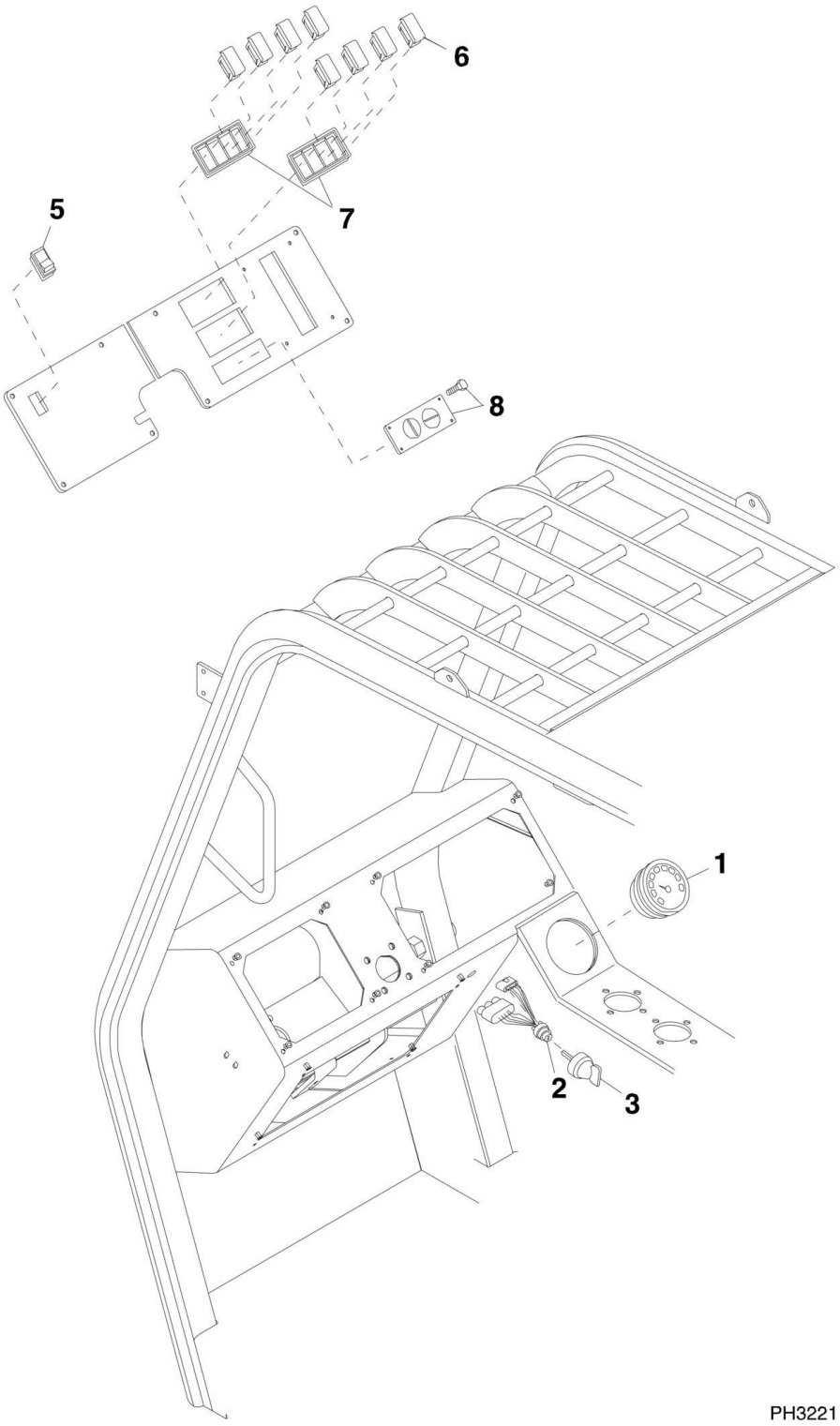


FIGURE 7-6. CONTROL CONSOLE (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7150708	1	INSTRUMENT CLUSTER, (includes hourmeter)	
2	8223453	NLA	IGNITION SWITCH, (includes item 3), (no longer available, use ignition switch 4360690 or kit 2915160 for replacement), (See OPTIONS SECTION for Breakdown)	
3	8035807	AR	KEY, (with cover)	
5	8223054	1	PARK BRAKE SWITCH	
6	8223037	1	STEER SELECT SWITCH	
7	8223046	2	4 POSITION BEZEL SWITCH	
8		Ref	PANEL/CABLE HEATER CONTROL, (See CAB SECTION for Breakdown)	

FIGURE 7-7. CONTROL CONSOLE (8042 SN 18991 through 19987; 10042 SN 19031 through 19987; 10054 SN 19080 through 19987; SN 0160002332 through 0160045249, SN 0160002332 through 0160045249, SN 0160002332 through 0160045249, Including 0160045255, 0160045255 and 0160045255)

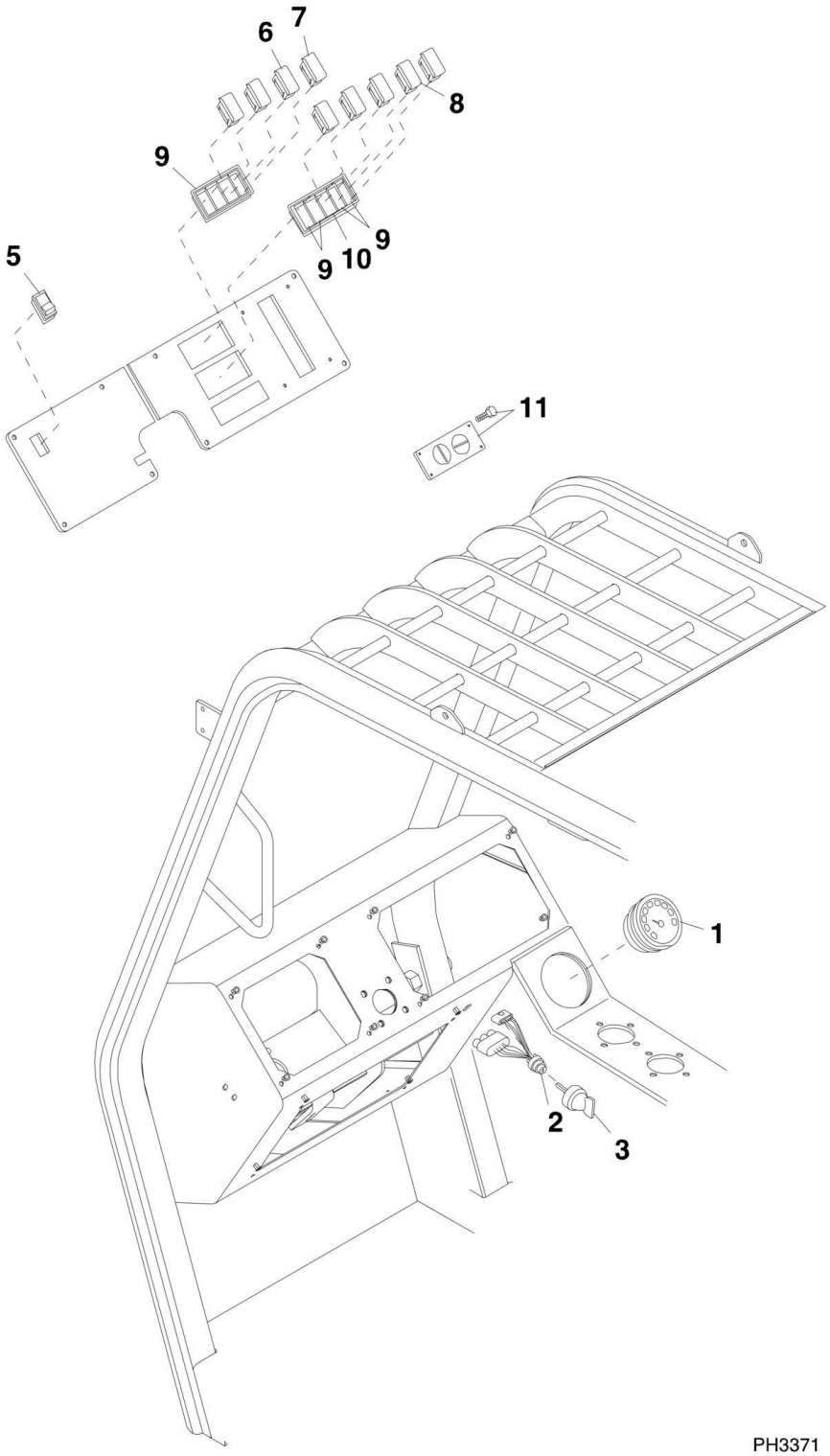


FIGURE 7-7. CONTROL CONSOLE (8042 SN 18991 through 19987; 10042 SN 19031 through 19987; 10054 SN 19080 through 19987; SN 0160002332 through 0160045249, SN 0160002332 through 0160045249, SN 0160002332 through 0160045249, Including 0160045255, 0160045255 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7150708	1	INSTRUMENT CLUSTER, (includes hourmeter)	
2	8223453	NLA	IGNITION SWITCH, (includes item 3), (10042,10054,8042) **(8042 SN 18991 through 19987; 10042 SN 19031 through 19987; SN 0160002332 through 0160023104, SN 0160002332 through 0160023093)**	
		Ref	IGNITION SWITCH, (no longer available, use ignition switch 4360690 orkit 2915160 on Figure 12-9 for replacement) (10054) **(10054 SN 19080 through 19987; SN 0160002332 through 0160023101)**	
2	4360690	1	IGNITION SWITCH, (includes item 3) (10042,10054,8042) **(8042 SN 0160023253 through 0160045249; 10042 SN 0160023341 through 0160045249; 10054 SN 0160023254 through 0160045249; Including 0160045255, 0160045255 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
3	8035807	AR	KEY, (with cover)	
5	8223054	1	PARK BRAKE SWITCH	
6	8223082	1	ENGINE PREHEAT INDICATOR	
7	8223081	1	EMC INDICATOR	
8	8223037	1	STEER SELECT SWITCH	
9	8223046	2	4 POSITION BEZEL SWITCH	
10	8223083	1	1 POSITION BEZEL SWITCH	
11		Ref	PANEL/CABLE HEATER CONTROL, (See CAB SECTION for Breakdown)	

FIGURE 7-8. BOOM LIFT/LOWER AND EXTEND/RETRACT CONTROL

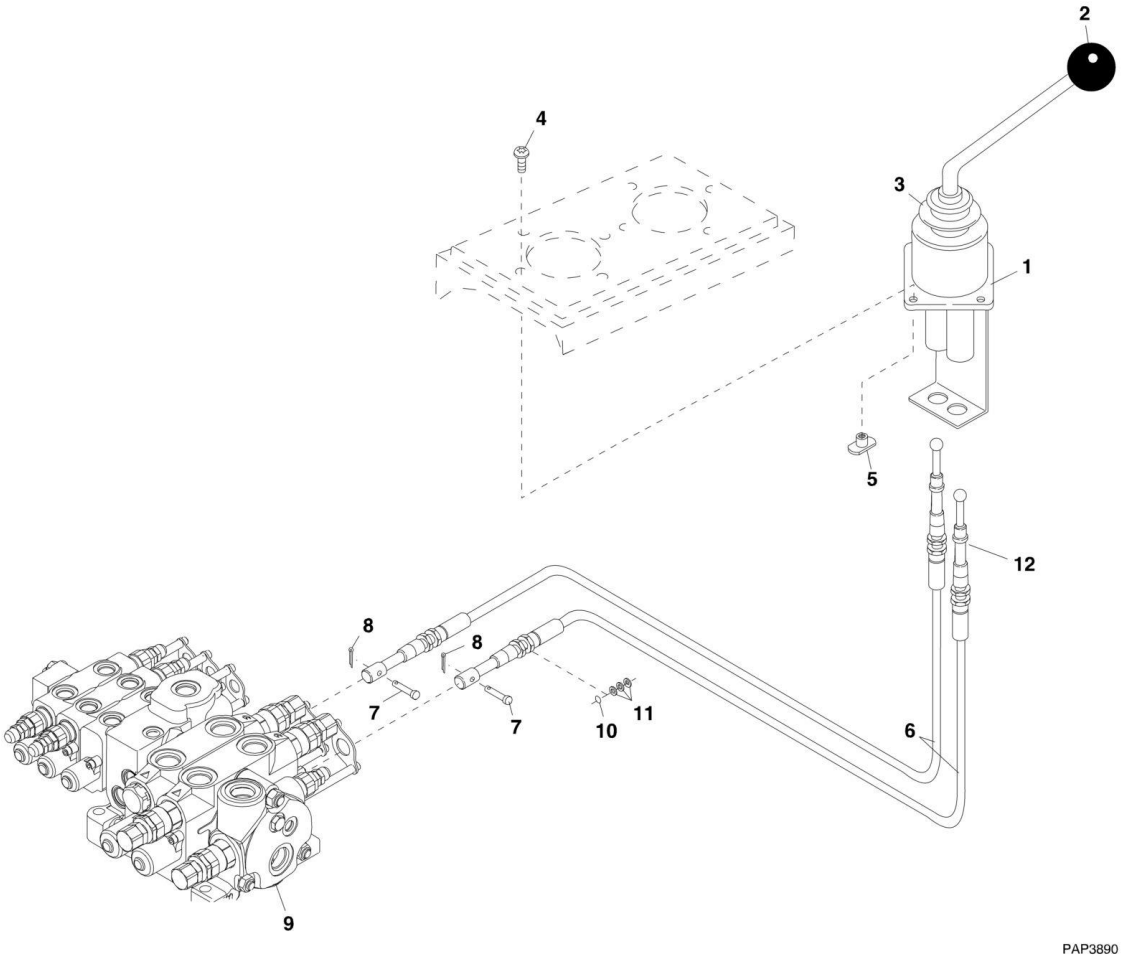


FIGURE 7-8. BOOM LIFT/LOWER AND EXTEND/RETRACT CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8224045	1	JOYSTICK WITH GATE, (includes items 2 & 3)	
2	8580110	1	KNOB	
3	8160419	1	BOOT	
4	8310143	4	TRUSS HD CAPSCREW, 1/4X1	
5	8310144	4	PROP TEE NUT	
6	1001132551	2	CONTROL CABLE	
7	8301443	2	CLEVIS PIN, 3/16X1	
8	8302470	2	HAIR PIN, 3/32	
9		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
10	8630021	2	O-RING	
11	4812300	6	FLAT WASHER, M16	
12	0100011	AR	LOCTITE 242	

FIGURE 7-9. FRAME SWAY AND ATTACHMENT TILT CONTROL

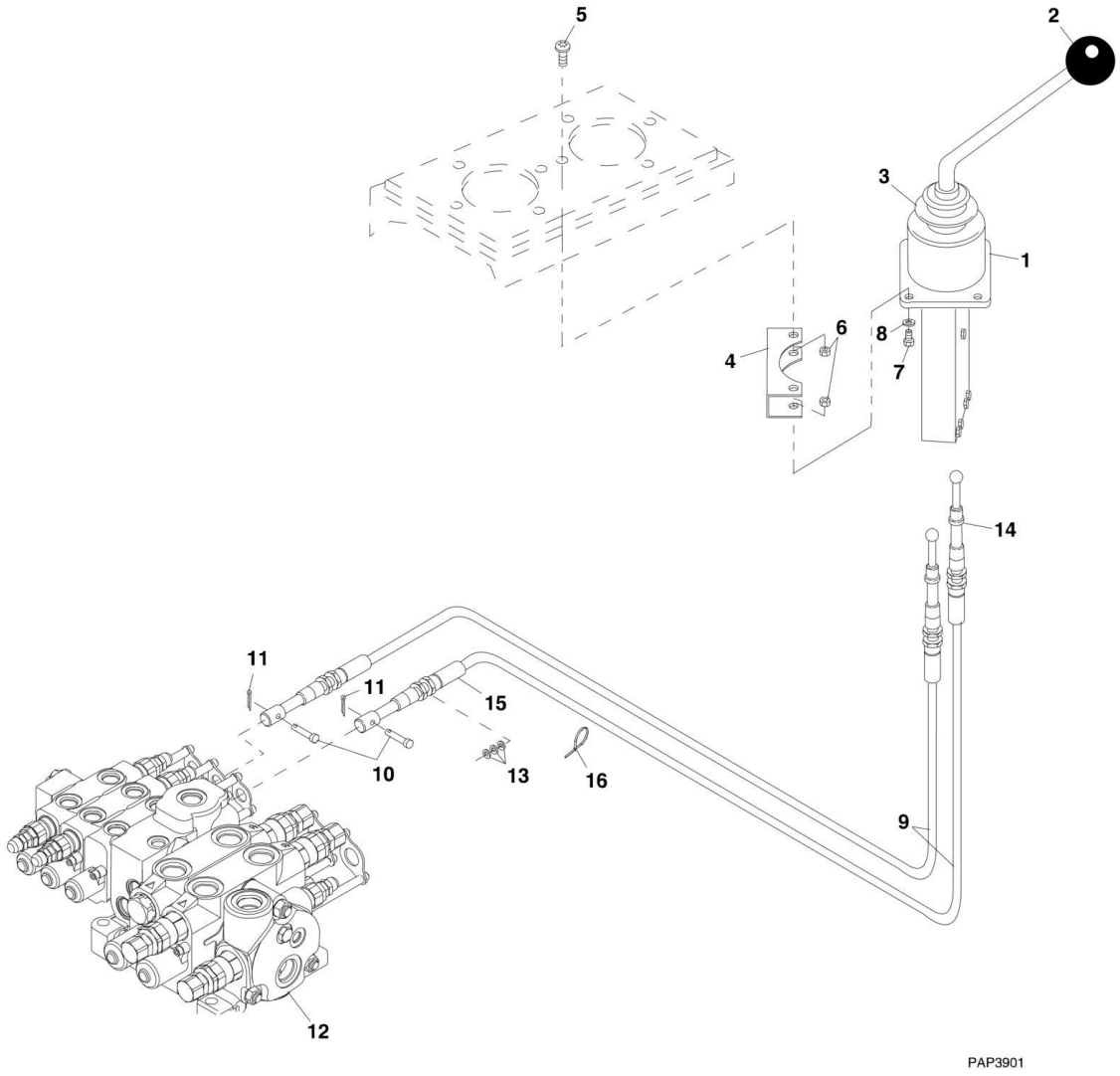


FIGURE 7-9. FRAME SWAY AND ATTACHMENT TILT CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8224047	1	JOYSTICK WITH GATE, (includes items 2 & 3)	
2	8580110	1	KNOB	
3	8160419	1	BOOT	
4	7098142	2	SPACER	
5	88261017	4	HEX HD CAPSCREW, 1/4-20X7/8	
6	8310001	8	HEX NUT, 1/4-20	
7	8303540	4	HEX HD CAPSCREW, 1/4X1	
8	8307109	4	FLAT WASHER, 1/4	
9	1001132552	2	CONTROL CABLE	
10	8301443	2	CLEVIS PIN, 3/16X1	
11	8302470	2	HAIR PIN, 3/32	
12		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
13	4812300	6	FLAT WASHER, M16	
14	0100011	AR	LOCTITE 242	
15	7125871	1	CONDUIT, 0.50X8, (cut to fit)	
16	8584001	3	TIE WRAP	

FIGURE 7-10. AUXILIARY HYDRAULIC CONTROL

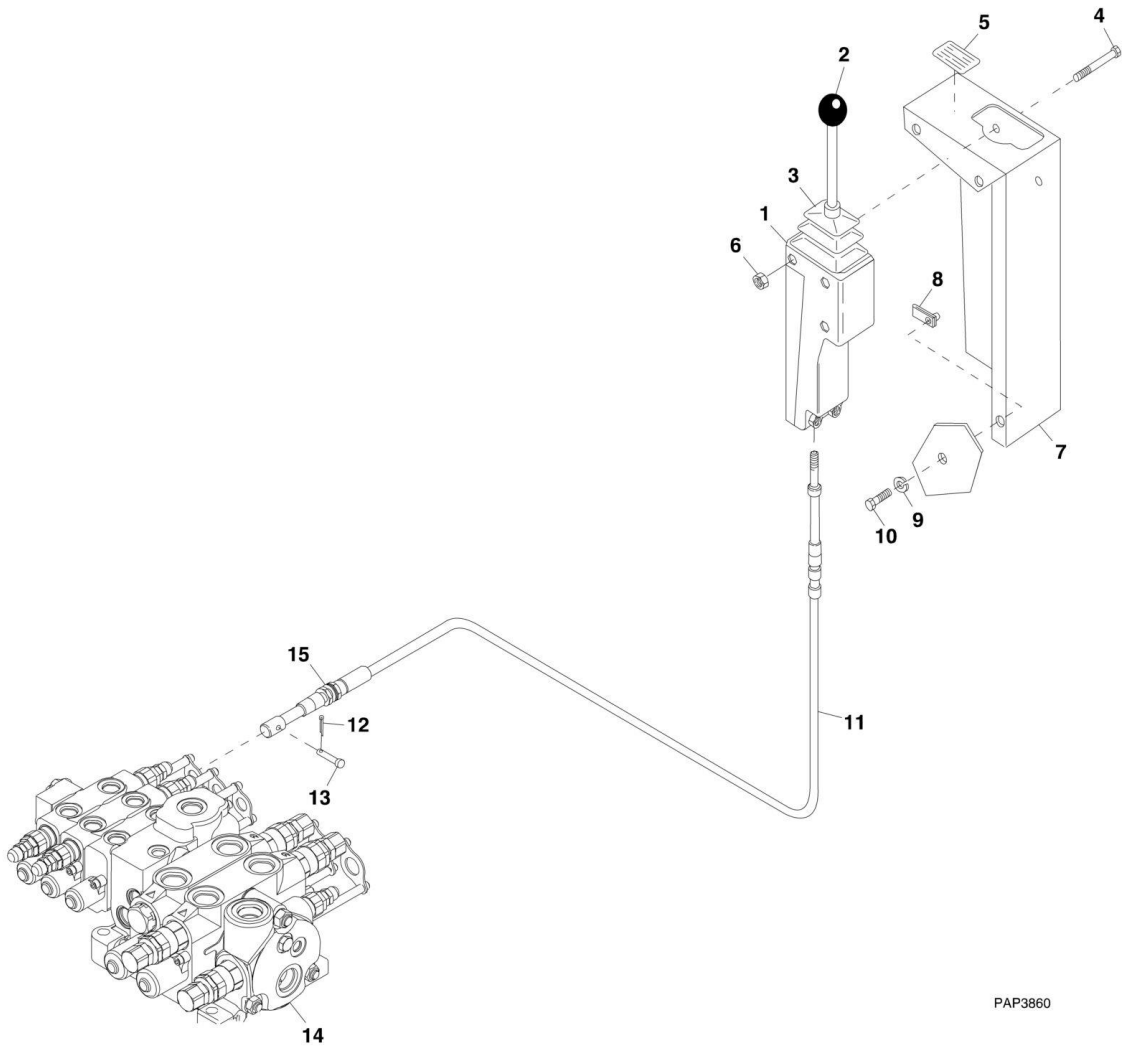


FIGURE 7-10. AUXILIARY HYDRAULIC CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8160406	1	CONTROLLER, (includes items 2 & 3)	
2	8580110	1	KNOB	
3	8160418	1	BOOT	
4	8303758	2	HEX HD CAPSCREW, 1/4-20X2	
5	4105621	1	AUXILIARY CONTROL DECAL	
6	8305004	2	HEX NUT, 1/4-20	
7	7091323	1	CONTROLLER SUPPORT	
8	8305906	3	RETAINING NUT, 5/16-18	
9	8307004	3	LOCKWASHER, 5/16	
10	8303697	3	HEX HD CAPSCREW, 5/16-18X3/4	
11	8160078	1	CONTROL CABLE	
12	8302470	1	HAIR PIN	
13	8301443	1	CLEVIS PIN	
14		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
15	4812300	3	FLAT WASHER, M16	

SECTION 8 - HYDRAULIC CIRCUITS

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. SERVICE BRAKE AND DE-CLUTCH ; ; (8042 SN 0160002332 through 0160038967; 10042 SN 0160002332 through 0160038368; 10054 SN 0160002332 through 0160038740; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)

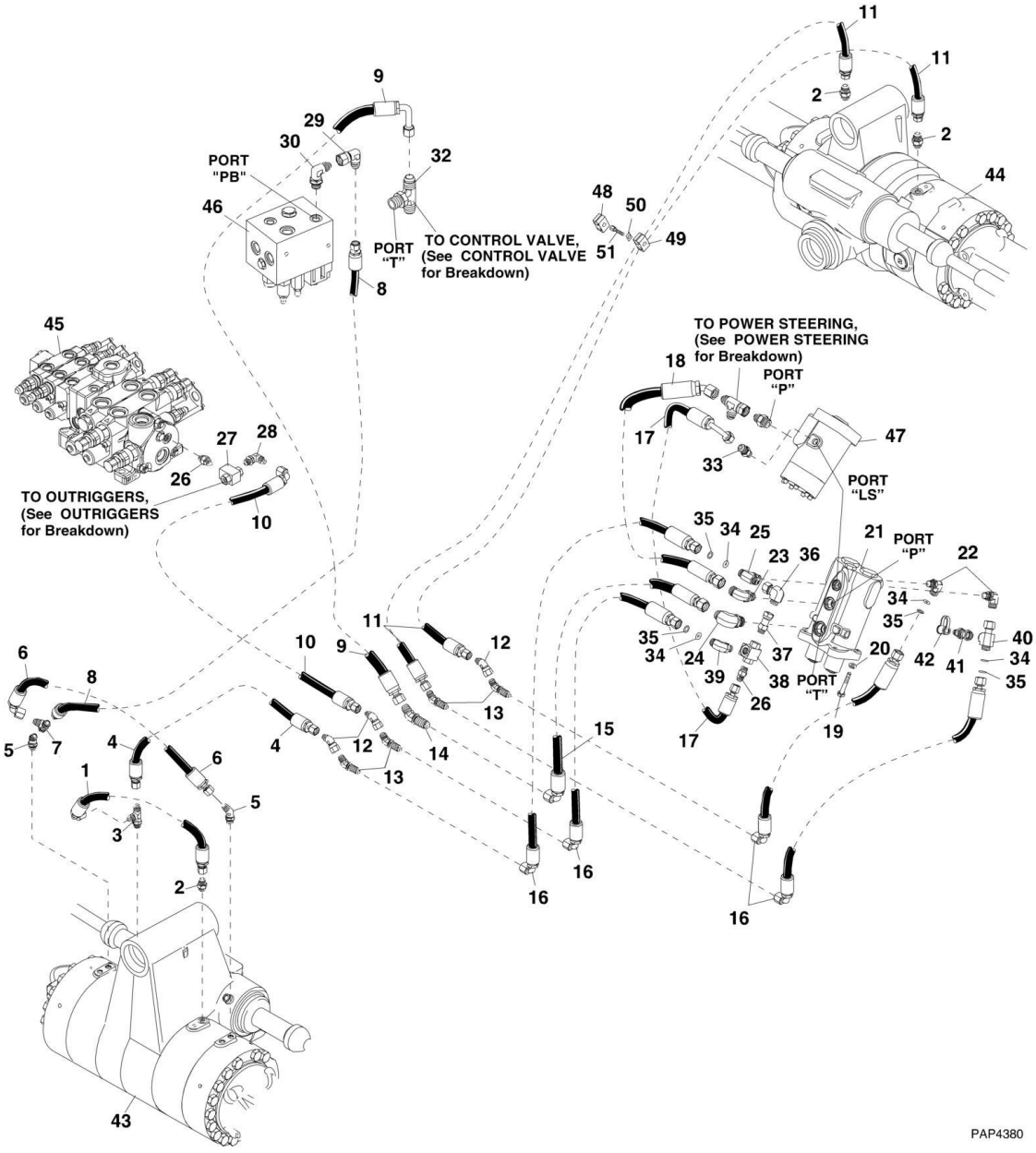


FIGURE 8-1. SERVICE BRAKE AND DE-CLUTCH ; ; (8042 SN 0160002332 through 0160038967; 10042 SN 0160002332 through 0160038368; 10054 SN 0160002332 through 0160038740; Including 0160038971, 0160038984, 0160038375, 0160038378, 0160038379, 0160038381 and 0160038383, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2716692	1	HOSE ASSY	
2	2220371	3	STRAIGHT CONNECTOR, (includes o-ring)	
3	2220606	1	MALE RUN TEE, (includes o-ring)	
4	2716707	1	HOSE ASSY	
5	2220501	2	ELBOW, 45	
6	2716670	1	HOSE ASSY	
7	2220635	1	FEMALE SWIVEL RUN TEE	
8	2716660	1	HOSE ASSY	
9	2754753	1	HOSE ASSY	
10	2716703	1	HOSE ASSY	
11	2716701	2	HOSE ASSY	
12	2220657	3	ELBOW, 45, (swivel nut)	
13	8770189	4	ELBOW, 45	
14	2230035	1	ELBOW, 45	
15	2754736	1	HOSE ASSY	
16	2716699	4	HOSE ASSY	
17	2716700	1	HOSE ASSY	
18	2716695	1	HOSE ASSY	
19	8303755	4	HEX HD CAPSCREW, M10X30mm	
20	8307023	4	LOCKWASHER, M10	
	8902274	NLA	BRAKE VALVE ASSY, (no longer available, use 1001109404 for replacement)	
	1001109404	1	BRAKE VALVE ASSY, (includes items 21 thru 25)	
21		Ref	BRAKE VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
22	8770109	2	ELBOW, 90, (includes o-ring)	
23	8770120	1	ELBOW, 90, (includes o-ring)	
24	8770175	1	ELBOW, 90, (includes o-ring)	
25	8770183	1	BRANCH TEE, (includes o-ring)	
26	2220371	1	STRAIGHT CONNECTOR, (includes o-ring) (8042)	
26	8770152	1	UNION, (includes o-ring) (10042,10054)	
27		Ref	SHUTTLE VALVE (See OUTRIGGERS for Breakdown) (10042,10054)	
28	2220473	1	ELBOW, 90, (includes o-ring), (10042 & 10054)	
29	8760268	1	ELBOW, 90, (swivel nut)	
30	2220473	1	ELBOW, 90, (includes o-ring)	
32		Ref	TEE FITTING, (See CONTROL VALVE for Breakdown)	
33	2220603	1	STRAIGHT CONNECTOR, (includes o-ring)	
34	7139212	4	DISK ORIFICE	
35	8630003	4	O-RING	
36	2172106	1	ELBOW, 90, (swivel nut)	
37	2221123	1	CONNECTOR, (swivel nut), (includes o-ring)	
38	8902175	1	SHUTTLE VALVE	
39	2130606	1	ELBOW, 90, (includes o-ring)	
40	2170706	1	SWIVEL RUN TEE, (swivel nut)	
41	8430081	1	DIAGNOSTIC NIPPLE, 1/8 BODY	
42	8430032	1	DUST PLUG	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43		Ref	FRONT AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
44		Ref	REAR AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
45		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
46		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
47		Ref	STEERING UNIT, (See POWER STEERING for Breakdown)	
48		Ref	TWIN CLAMP, (See FRAME SWAY AND STABIL-TRAK for Breakdown)	
49	8750027	1	TWIN CLAMP SET, 0.67 DIA	
50	8750017	1	TWIN CLAMP LOCKING PLATE	
51	8750012	1	STACKING BOLT	

FIGURE 8-2. SERVICE BRAKE AND DE-CLUTCH ; ; (8042 SN 0160038967 through 0160045249, Excluding 0160038971; 10042 SN 0160038368 through 0160045249, Excluding 0160038375; 10054 SN 0160038740 through 0160045249, Including 0160021270; Including 0160045255, 0160045255, 0160045255, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220, 0160043244, 0160038984, 0160038378, 0160038379, 0160038381 and 0160038383)

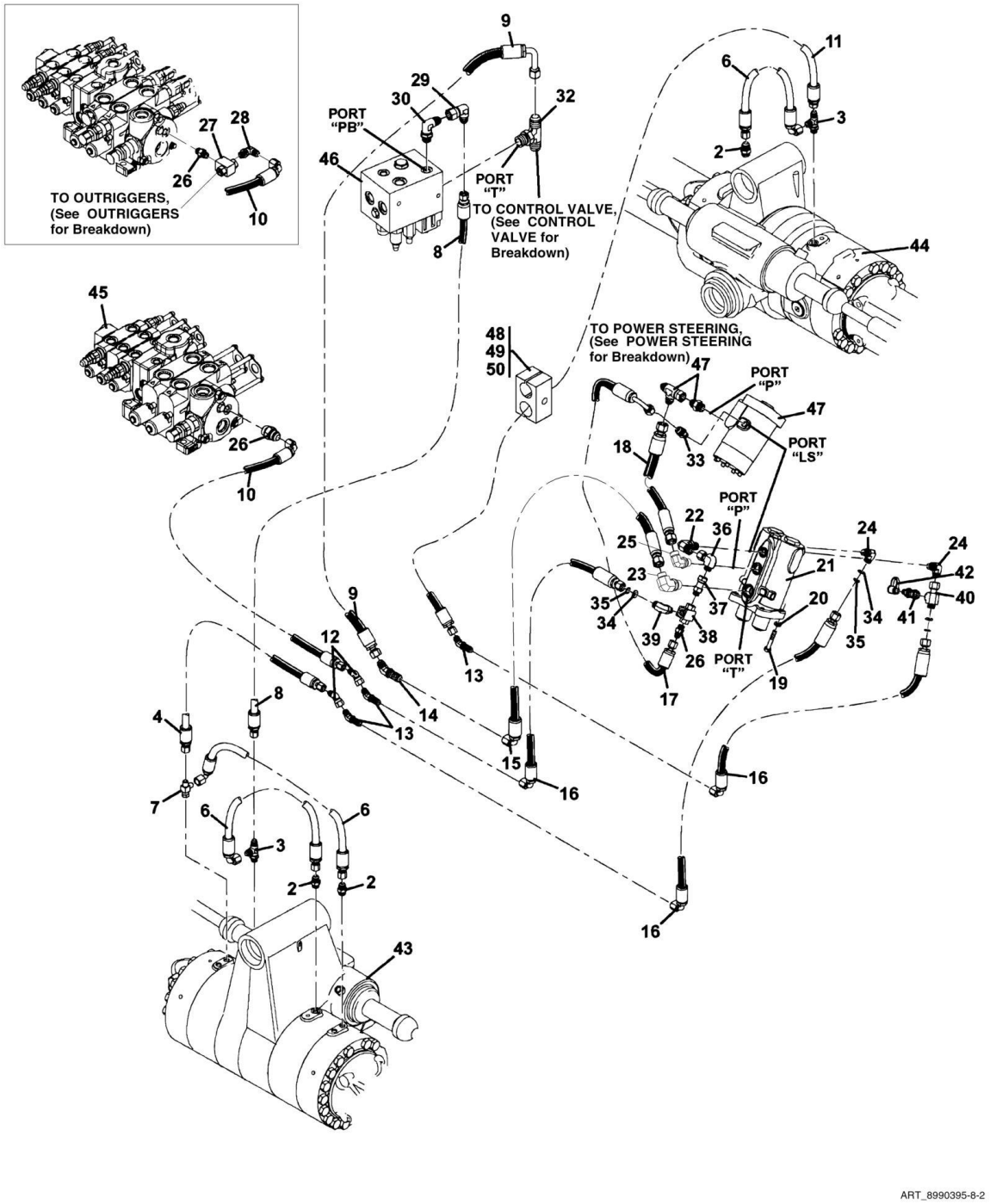


FIGURE 8-2. SERVICE BRAKE AND DE-CLUTCH ; ; (8042 SN 0160038967 through 0160045249, Excluding 0160038971; 10042 SN 0160038368 through 0160045249, Excluding 0160038375; 10054 SN 0160038740 through 0160045249, Including 0160021270; Including 0160045255, 0160045255, 0160045255, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220, 0160043244, 0160038984, 0160038378, 0160038379, 0160038381 and 0160038383)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
2	2220371	3	STRAIGHT CONNECTOR	
3	2220606	2	MALE RUN TEE	
4	2716707	1	HOSE ASSY	
5	2220501	2	ELBOW, 45, (not shown)	
6	2716670	3	HOSE ASSY	
7	2220635	1	FEMALE SWIVEL RUN TEE	
8	2716660	1	HOSE ASSY	
9	2754753	1	HOSE ASSY	
10	2716703	1	HOSE ASSY	
11	2716701	1	HOSE ASSY	
12	2220657	2	ELBOW, 45, (swivel nut)	
13	8770189	3	BULKHEAD ELBOW, 45	
14	2230035	1	BULKHEAD ELBOW, 45	
15	2754736	1	HOSE ASSY	
16	2716699	3	HOSE ASSY	
17	2716700	1	HOSE ASSY	
18	2716695	1	HOSE ASSY	
19	8303755	4	HEX HD CAPSCREW, M10X30mm	
20	8307023	4	LOCK WASHER, M10	
	1001103623	1	BRAKE VALVE ASSY, (includes items 21 thru 25)	C
21	1001106836	1	BRAKE VALVE	
22	8770109	1	BRANCH TEE	
23	8770175	1	ELBOW, 90	
24	8770109	2	ELBOW, 90	
25	8770120	1	ELBOW, 90	
26	8770152	1	UNION, (includes o-ring)	
27		Ref	SHUTTLE VALVE, (See OUTRIGGERS for Breakdown)	
28	2220473	1	ELBOW, 90, (includes o-ring)	
29	8760268	1	ELBOW, 90, (swivel nut)	
30	2220473	1	ELBOW, 90, (includes o-ring)	
32		Ref	TEE FITTING, (See OUTRIGGERS for Breakdown)	
33	2220603	1	STRAIGHT CONNECTOR, (includes o-ring)	
34	7139212	3	ORIFICE DISK	
35	8630003	3	O-Ring	
36	2172106	1	ELBOW, 90, (swivel nut)	
37	2221123	1	SWIVEL CONNECTOR	
38	8902175	1	SHUTTLE VALVE	
39	2130606	1	ELBOW, 90	
40	2170706	1	SWIVEL RUN TEE	
41	8430081	1	SWIVEL NIPPLE, 1/8 BODY	
42	8430032	1	DUST PLUG	
43		Ref	FRONT AXLE, (See DRIVE SECTION for Breakdown)	
44		Ref	REAR AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
45		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
47		Ref	STEERING UNIT, (See POWER STEERING for Breakdown)	
48	8750016	1	CLAMP SET	
49	8750017	1	LOCKING PLATE	
50	8750012	1	STACKING BOLT	

FIGURE 8-3. BOOM LIFT/LOWER AND EXTEND/RETRACT (SN 0160002332 through 0160040220, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

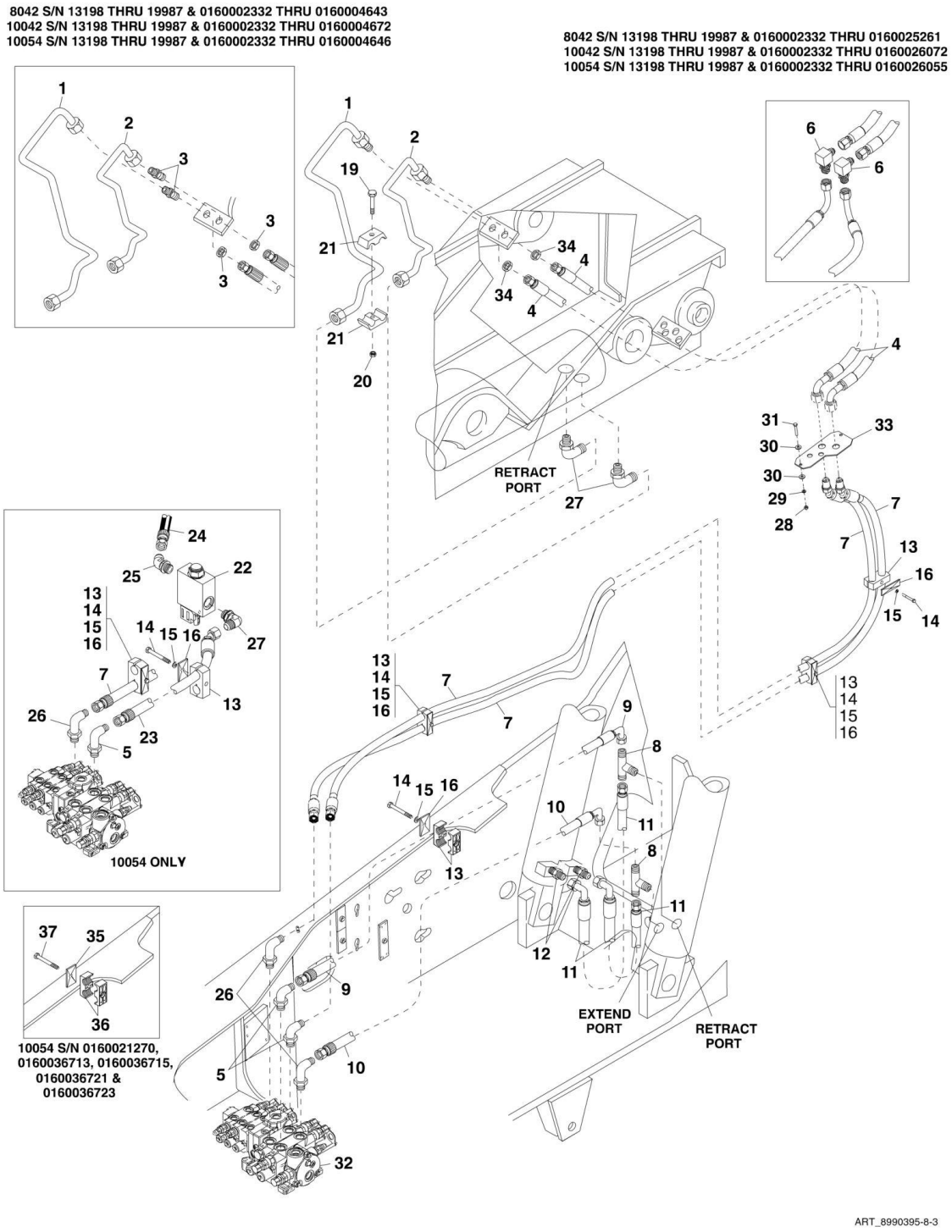


FIGURE 8-3. BOOM LIFT/LOWER AND EXTEND/RETRACT (SN 0160002332 through 0160040220, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7133802	1	BOOM EXTEND CYLINDER TUBE **(8042 SN 13198 through 19987, SN 0160002332 through 0160004643; 10042 SN 13198 through 19987, SN 016002332 through 016004672; 10054 SN 13198 through 19987, SN 0160002332 through 0160004646)**	
1	3460384	1	BOOM EXTEND CYLINDER TUBE **(8042 SN 0160004644 through 0160045249; 10042 SN 0160004673 through 0160045249; 10054 SN 0160004647 through 0160045249; Including 0160045255, 0160045255 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
2	7133812	1	BOOM EXTEND CYLINDER TUBE **(8042 SN 13198 through 19987, SN 0160002332 through 0160004643; 10042 SN 13198 through 19987, SN 0160002332 through 160004672; 10054 SN 13198 through 19987, SN 0160002332 through 0160004646)**	
2	3460383	1	BOOM EXTEND CYLINDER TUBE **(8042 SN 0160004644 through 0160045249; 10042 SN 0160004673 through 0160045249; 10054 SN 0160004647 through 0160045249; Including 0160045255, 0160045255 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
3	8760039	2	STRAIGHT BULKHEAD UNION **(8042 SN 13198 through 19987, SN 0160002332 through 0160004643; 10042 SN 13198 through 19987, SN 0160002332 through 0160004672; 10054 SN 13198 through 19987, SN 0160002332 through 0160004646)**	
4	2716657	2	HOSE ASSY **(SN 13198 through 19987, SN 0160002332 through 0160025946, Excluding 0160025261)**	
4	2755060	2	HOSE ASSY **(SN 0160026010 through 0160045249, Including 0160045255 and 0160025261, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
5	2220578	2	ELBOW, 90, (includes o-ring)	
6	2230046	2	BULKHEAD UNION, 90 **(SN 13198 through 19987, SN 0160002332 through 0160025946, Excluding 0160025261)**	
7	2754309	2	HOSE ASSY **(SN 13198 through 19987, SN 0160002332 through 0160025929, Excluding 0160025261)**	
7	2755057	2	HOSE ASSY **(SN 0160025930 through 0160045249, Including 0160045255 and 0160025261, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
7	2755059	1	HOSE ASSY, **(10054 SN 0160012120 through 0160045249; Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
8	2220695	2	MALE BRANCH TEE, (includes o-ring)	
9	2716655	1	HOSE ASSY	
10	2716654	1	HOSE ASSY	
11	2716675	2	HOSE ASSY	
12	2220375	2	STRAIGHT CONNECTOR, (includes o-ring)	
13	8750040	5	TWIN CLAMP SET, 1.18 DIA	
14	8303757	5	HEX HD CAPSCREW, 5/16-18X2-1/2	
15	8307004	5	LOCKWASHER, 5/16	
16	8750025	5	TWIN COVER PLATE	
19	8310009	1	HEX HD CAPSCREW, 5/16-18X2, GR5	
20	8305626	1	HEX LOCKNUT, 5/16-18	
21	8769140	1	TWIN CLAMP SET, 0.675	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
22		Ref	EXTEND LOCKOUT VALVE ASSY (See OUTRIGGERS for Breakdown) (10054)	
23	2716716	1	HOSE ASSY, (10054)	
24	2754314	1	HOSE ASSY, (10054) **(SN 13198 through 19987, SN 0160002332 through 0160025929)**	
24	2755058	1	HOSE ASSY, (10054) **(SN 0160025930 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
25	2220498	1	ELBOW, 45, (includes o-ring), (10054)	
26	8770157	2	ELBOW, 90, (includes o-ring)	
27	2220578	3	ELBOW, 90, (includes o-ring)	
28	8305006	2	HEX NUT, 5/16-18	
29	8307004	2	LOCKWASHER, 5/16	
30	8307203	4	WASHER, 5/16	
31	8310009	2	HEX HD CAPSCREW, 5/16-18X2, GR5	
32		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
33	7139505	1	BULKHEAD SHEET	
34	8760468	2	BULKHEAD LOCKNUT	
35	8750017	1	TWIN CLAMP LOCKING PLATE, **(10054 SN 0160038740 through 0160045249; Including 0160045255, 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
36	8750024	1	TWIN CLAMP SET, **(10054 SN 0160038740 through 0160045249; Including 0160045255, 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
37	8750026	1	STACKING BOLT, **(10054 SN 0160038740 through 0160045249; Including 0160045255, 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	

FIGURE 8-4. BOOM LIFT/LOWER AND EXTEND/RETRACT (SN 0160040220 to Present, Including 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

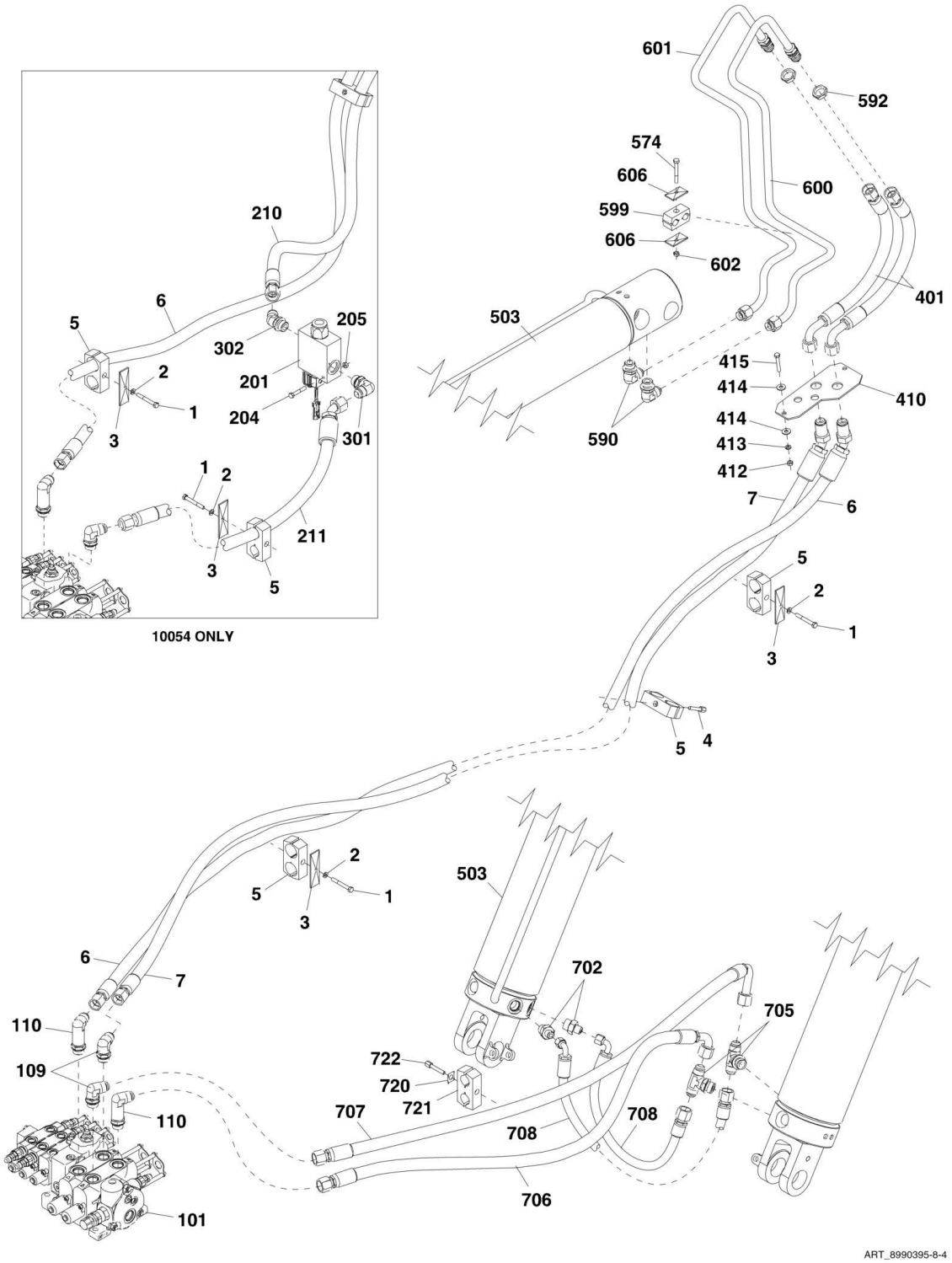


FIGURE 8-4. BOOM LIFT/LOWER AND EXTEND/RETRACT (SN 0160040220 to Present, Including 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117696	Ref	EXTEND/RETRACT PLUMBING INSTALLATION, (not available to order, see items 1 thru 7 for service)	A
1	8303757	2	HEX HD CAPSCREW, 5/16-18X2-1/2, GR5	
2	8307004	2	LOCKWASHER, 5/16	
3	8750025	2	COVER PLATE	
4	8750026	1	STACKING BOLT	
5	8750040	3	CLAMP SET	
6	1001117636	1	HOSE ASSY	
7	1001117714	1	HOSE ASSY	
101		Ref	MAIN CONTROL VALVE ASSY	
109	2220578	2	ELBOW, 90, (includes o-ring)	
110	8770157	2	ELBOW, 45, (includes o-ring)	
201		Ref	EXTEND/RETRACT LOCKOUT VALVE ASSY, (10054 only)	
204	8310159	1	CARRIAGE BOLT, 5/16-18X3-1/2, GR2	
205	8310420	1	FLANGE NUT, 5/16-18	
210	1001117642	1	HOSE ASSY	
211	2716716	1	HOSE ASSY	
301	2220578	1	ELBOW, 90, (includes o-ring)	
302	2220498	1	ELBOW, 45, (includes o-ring)	
401	2755060	2	HOSE ASSY	
410	7139505	1	BULKHEAD SHEET	
412	8305006	2	HEX NUT, 5/16-18	
413	8307004	2	LOCKWASHER, 5/16	
414	8307203	4	WASHER, 5/16	
415	8310009	2	HEX HD CAPSCREW, 5/16-18X2, GR5	
503		Ref	EXTEND/RETRACT CYLINDER	
574	0641520	1	HEX HD CAPSCREW, 5/16-18X2-1/2, GR5	
590	2220578	2	ELBOW, 90, (includes o-ring)	
592	8760468	2	BULKHEAD LOCKNUT	
599	8769139	1	CLAMP SET	
600	3460383	1	TUBE ASSY	
601	3460384	1	TUBE ASSY	
602	8305626	1	LOCKNUT, 5/16-18	
606	8769128	2	COVER PLATE	
702	2220375	2	CONNECTOR, (includes o-ring)	
705	2220695	2	BRANCH TEE, (includes o-ring)	
706	2716654	1	HOSE ASSY	
707	2716655	1	HOSE ASSY	
708	2716675	2	HOSE ASSY	
720	8750017	1	LOCKING PLATE	
721	8750040	1	CLAMP SET	
722	8750026	1	STACKING BOLT	

FIGURE 8-5. ATTACHMENT TILT AND SLAVE

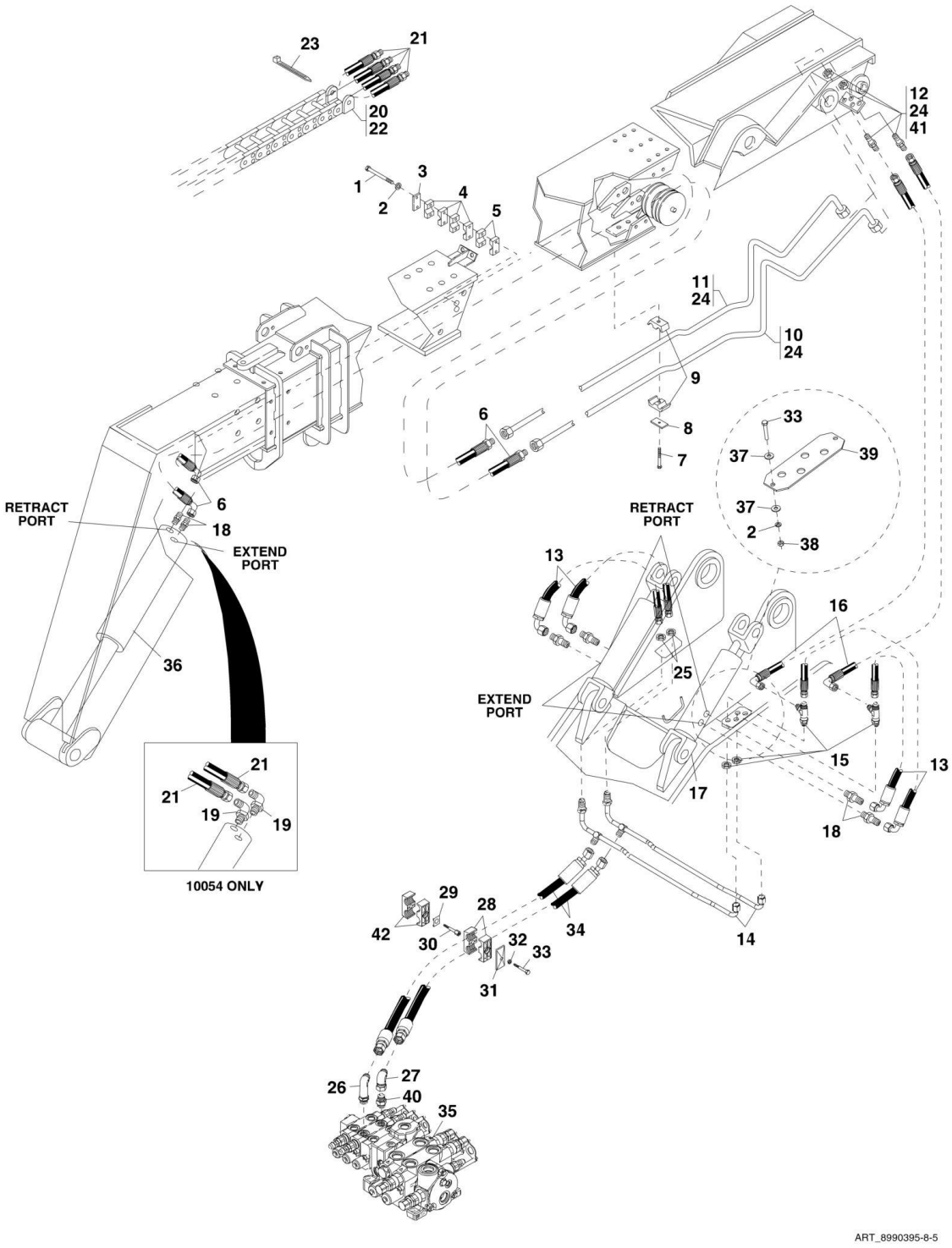


FIGURE 8-5. ATTACHMENT TILT AND SLAVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8303752	2	HEX HD CAPSCREW, 5/16-18X3-1/2	
2	8307004	4	LOCKWASHER, 5/16	
3	8769149	1	SINGLE CLAMP COVER PLATE	
4	8750003	4	SINGLE CLAMP, 0.62 DIA, (8042 & 10042)	
4	8750003	6	SINGLE CLAMP, 0.62 DIA, (10054)	
5	8769161	2	SINGLE CLAMP, 0.75 DIA, (8042 & 10042)	
6	2713452	2	BOOM HOSE ASSY, (8042 & 10042, see item 21 for 10054)	
7	8303715	3	HEX HD CAPSCREW, 5/16-18X1.5	
8	8769123	3	TWIN COVER PLATE	
9	8769122	3	TWIN CLAMP, 0.62 DIA	
10	7300673	1	BOOM ATTACHMENT TILT TUBE, (retract)	
11	7300672	1	BOOM ATTACHMENT TILT TUBE, (extend)	
12	8760037	2	STRAIGHT BULKHEAD UNION	
13	2716715	4	HOSE ASSY	
14	7300214	2	SLAVE CYLINDER CROSS-OVER TUBE ASSY	
15	8760477	2	MALE BULKHEAD RUN TEE	
16	2716714	2	TILT CYLINDER HOSE ASSY	
17		Ref	SLAVE CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
18	2220373	4	STRAIGHT CONNECTOR, (includes o-ring)	
19	2220500	2	ELBOW, 45, (includes o-ring), (10054)	
20	7112452	1	HOSE AND CARRIER ASSY, (includes items 21 thru 23), (10054)	
21	2713642	4	HOSE ASSY	
22	N.S.S.	NLA	HOSE CARRIER, (no longer available, see item 20 for service)	
23	8584001	2	TY-RAP	
24	8526048	AR	LOCTITE 545, (apply to items 10, 11 & 12)	
25	8760463	2	BULKHEAD LOCKNUT, #8	
26	2220474	1	ELBOW, 90, (includes o-ring)	
27	8765204	1	ELBOW, 90, (swivel nut)	
28	8750027	2	TWIN CLAMP SET, 0.84 DIA	
29	8750017	1	LOCKING PLATE	
30	8750012	1	STACKING BOLT	
31	8769128	2	TWIN COVER PLATE	
32	8307004	2	LOCKWASHER, 5/16	
33	8310009	5	HEX HD CAPSCREW, 5/16-18X2, GR5	
34	2716682	2	HOSE ASSY	
35		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
36		Ref	ATTACHMENT TILT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
37	8307203	4	FLAT WASHER, 5/16	
38	8305006	2	HEX NUT, 5/16-18	
39	7139504	1	BULKHEAD SHEET	
40	2220373	1	STRAIGHT CONNECTOR	
41	8760465	2	BULKHEAD LOCKNUT	
42		Ref	TWIN CLAMP, (See AUXILIARY HYDRAULIC for Breakdown)	

FIGURE 8-6. FRAME SWAY AND STABIL-TRAK

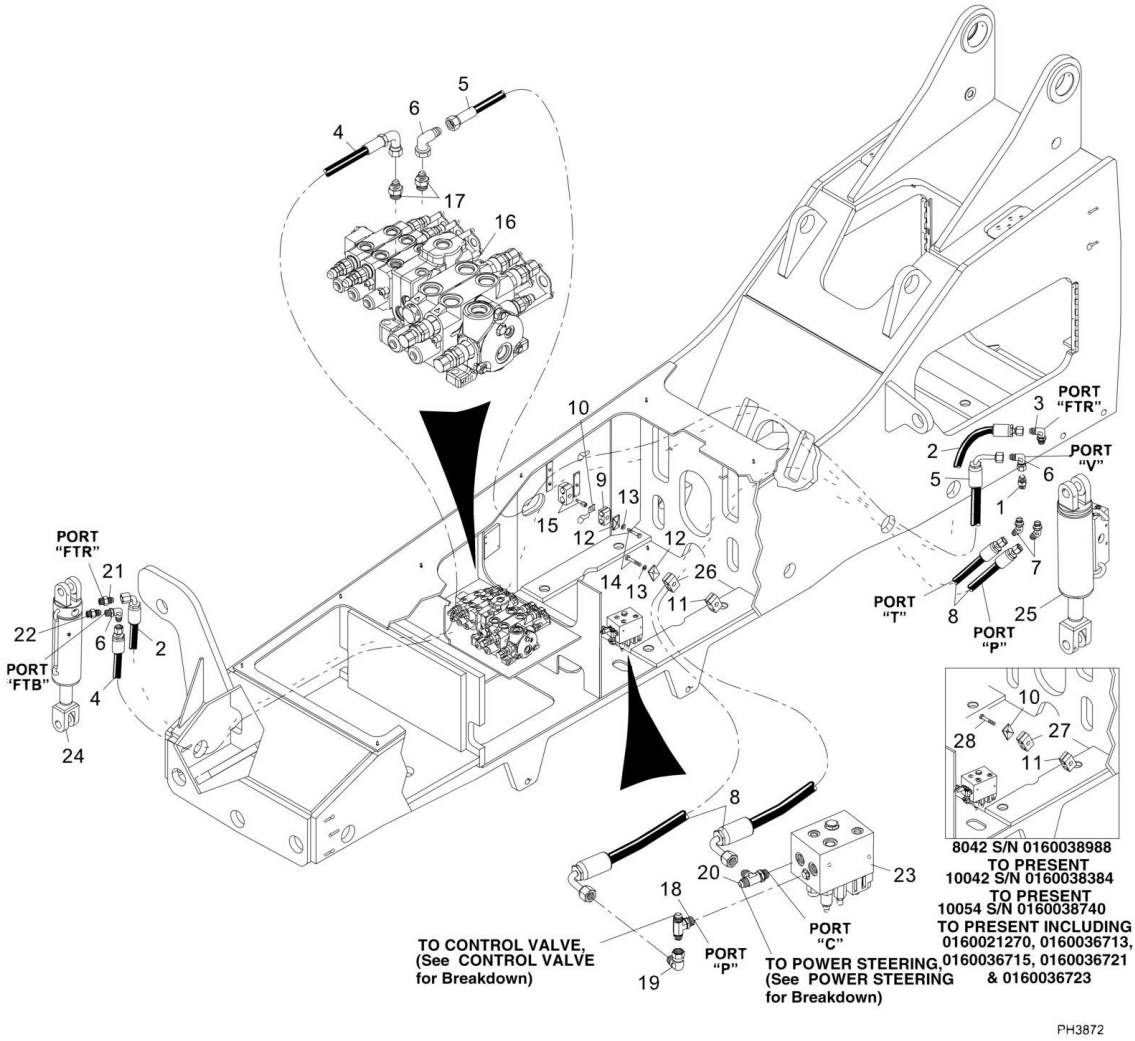


FIGURE 8-6. FRAME SWAY AND STABIL-TRAK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2220371	1	STRAIGHT CONNECTOR, (includes o-ring)	
2	2716688	1	HOSE ASSY	
3	2220473	1	ELBOW, 90, (includes o-ring)	
4	2716687	1	HOSE ASSY	
5	2716686	1	HOSE ASSY	
6	8760268	3	ELBOW, 90, (swivel nut)	
7	2220501	2	ELBOW, 45	
8	2716691	2	HOSE ASSY	
9	8750015	1	TWIN CLAMP SET, 0.67 DIA	
10	8750017	1	TWIN CLAMP LOCKING PLATE **(8042 SN 0160002332 through 0160038988; 10042 SN 0160002332 through 0160038384; 10054 SN 0160002332 through 0160038740; Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
10	8750017	2	TWIN CLAMP LOCKING PLATE **(8042 SN 0160038988 through 0160045249; 10042 SN 0160038384 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160045255, 0160045255, 0160045255, 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
11		Ref	TWIN CLAMP, (See SERVICE BRAKE AND DE-CLUTCH for Breakdown)	
12	8769123	2	TWIN COVER PLATE **(8042 SN 0160002332 through 0160038988; 10042 SN 0160002332 through 0160038384; 10054 SN 0160002332 through 0160038740; Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
12	8769123	1	TWIN COVER PLATE **(8042 SN 0160038988 through 0160045249; 10042 SN 0160038384 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160045255, 0160045255, 0160045255, 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
13	8307004	2	LOCKWASHER, 5/16 **(8042 SN 0160002332 through 0160038988; 10042 SN 0160002332 through 0160038384; 10054 SN 0160002332 through 0160038740; Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
13	8307004	1	LOCKWASHER, 5/16 **(8042 SN 0160038988 through 0160045249; 10042 SN 0160038384 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160045255, 0160045255, 0160045255, 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
14	8303715	2	HEX HD CAPSCREW, 5/16-18X1.5 **(8042 SN 0160002332 through 0160038988; 10042 SN 0160002332 through 0160038384; 10054 SN 0160002332 through 0160038740; Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
14	8303715	1	HEX HD CAPSCREW, 5/16-18X1.5 **(8042 SN 0160038988 through 0160045249; 10042 SN 0160038384 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160045255, 0160045255, 0160045255, 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
15		Ref	TWIN CLAMP, (See POWER STEERING for Breakdown)	
16		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
17	2220372	2	STRAIGHT CONNECTOR, (includes o-ring)	
18		Ref	MALE BRANCH TEE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
19	8765204	1	ELBOW, 90, (swivel nut)	
20	2220602	1	MALE RUN TEE, (includes o-ring)	
21	8902857	1	RESTRICTOR CHECK VALVE, 0.040 DIA	
22	8902858	1	RESTRICTOR CHECK VALVE, 0.047 DIA	
23		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
24		Ref	FRAME SWAY CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25		Ref	STABIL-TRAK CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
26	8750027	1	TWIN CLAMP SET, 0.84 DIA **(8042 SN 0160002332 through 0160038988; 10042 SN 0160002332 through 0160038384; 10054 SN 0160002332 through 0160038740; Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	
27	8750016	1	TWIN CLAMP SET, 0.79 DIA **(8042 SN 0160038988 through 0160045249; 10042 SN 0160038384 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160045255, 0160045255, 0160045255, 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
28	8750012	1	STACKING BOLT **(8042 SN 0160038988 through 0160045249; 10042 SN 0160038384 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160045255, 0160045255, 0160045255, 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	

FIGURE 8-7. OUTRIGGERS (10042,10054)

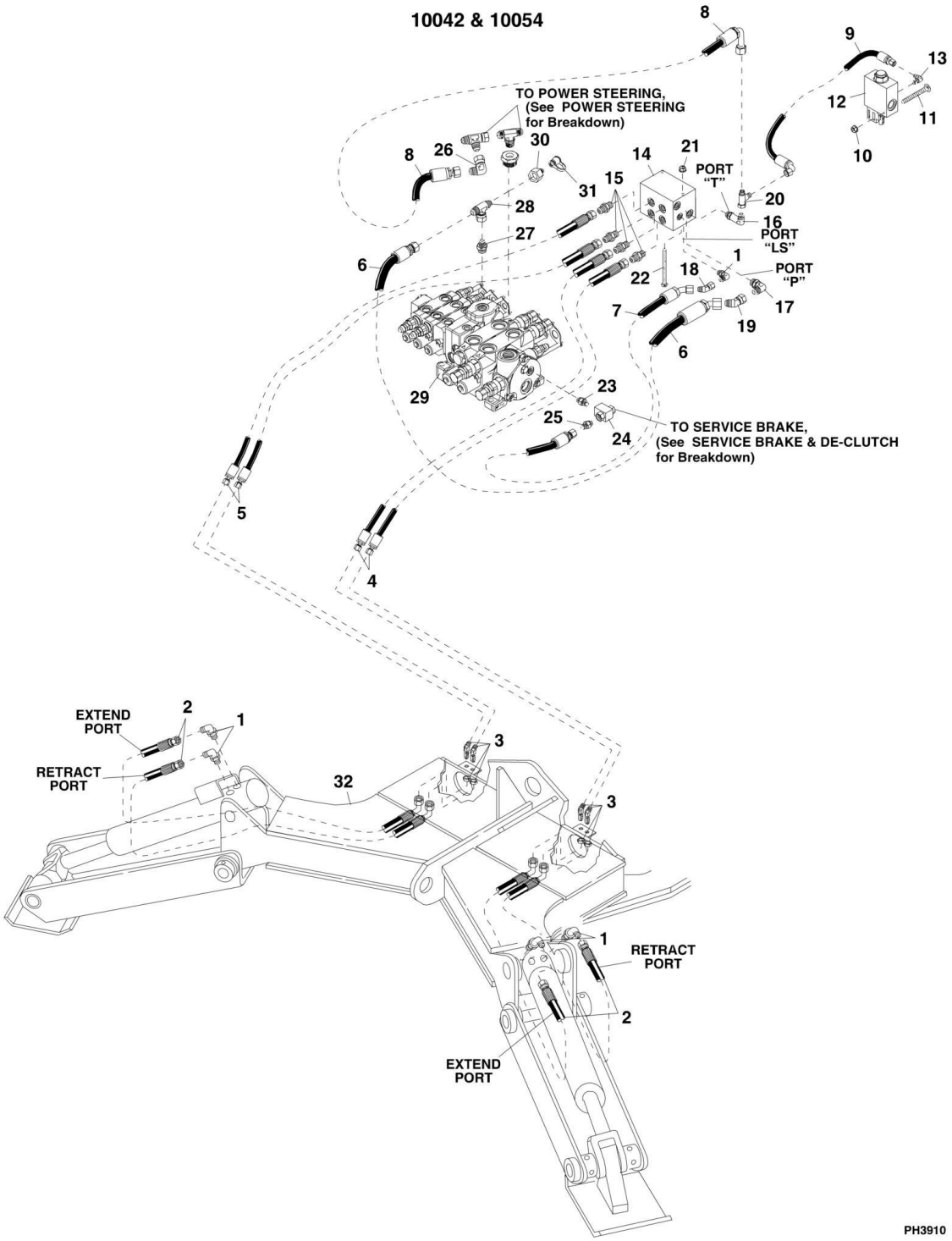


FIGURE 8-7. OUTRIGGERS (10042,10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2220473	5	ELBOW, 90, (includes o-ring)	
2	2716709	4	HOSE ASSY	
3	8770189	4	ELBOW, 45	
4	2716664	2	HOSE ASSY	
5	2716665	2	HOSE ASSY	
6	2716710	1	HOSE ASSY	
7	2716711	1	HOSE ASSY	
8	2716669	1	HOSE ASSY	
9	2716712	1	HOSE ASSY (10054)	
10	8310420	1	HEX FLANGE NUT, 5/16-18 (10054)	
11	8310159	1	BOLT CARRIAGE, 5/16-18X3.5 (10054)	
12		Ref	EXTEND LOCKOUT VALVE (See HYDRAULIC COMPONENTS SECTION for Breakdown) (10054)	
13	2220775	1	ELBOW, 90, (includes o-ring) (10054)	
14	1001103153	1	OUTRIGGER VALVE	
15	2220372	4	STRAIGHT CONNECTOR, (includes o-ring)	
16	2220474	1	ELBOW, 90, (includes o-ring)	
17	2220596	1	ELBOW, 90, (includes o-ring)	
18	2220657	1	ELBOW, 45, (swivel nut)	
19	2220683	1	ELBOW, 45, (swivel nut)	
20	2220385	1	FEMALE RUN TEE, (swivel nut) (10054)	
21	8310522	2	HEX FLANGE NUT, 3/8-16	
22	8310478	2	CARRIAGE BOLT, 3/8-16X5.5, GR2	
23		Ref	UNION, (See SERVICE BRAKE AND DE-CLUTCH for Breakdown)	
24	8902175	1	SHUTTLE VALVE	
25	2220371	1	STRAIGHT CONNECTOR, (includes o-ring)	
26	8765204	1	ELBOW, 90, (swivel nut)	
27	2220374	1	STRAIGHT CONNECTOR, (includes o-ring) (8042)	
28	8770289	1	FEMALE BRANCH TEE, (swivel nut)	
29		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS for Breakdown)	
30	8430037	1	NIPPLE	
31	8430032	1	DUST PLUG	
32		Ref	OUTRIGGERS, (See FRAME AND ATTACHING PARTS SECTION for Breakdown)	

FIGURE 8-8. POWER STEERING

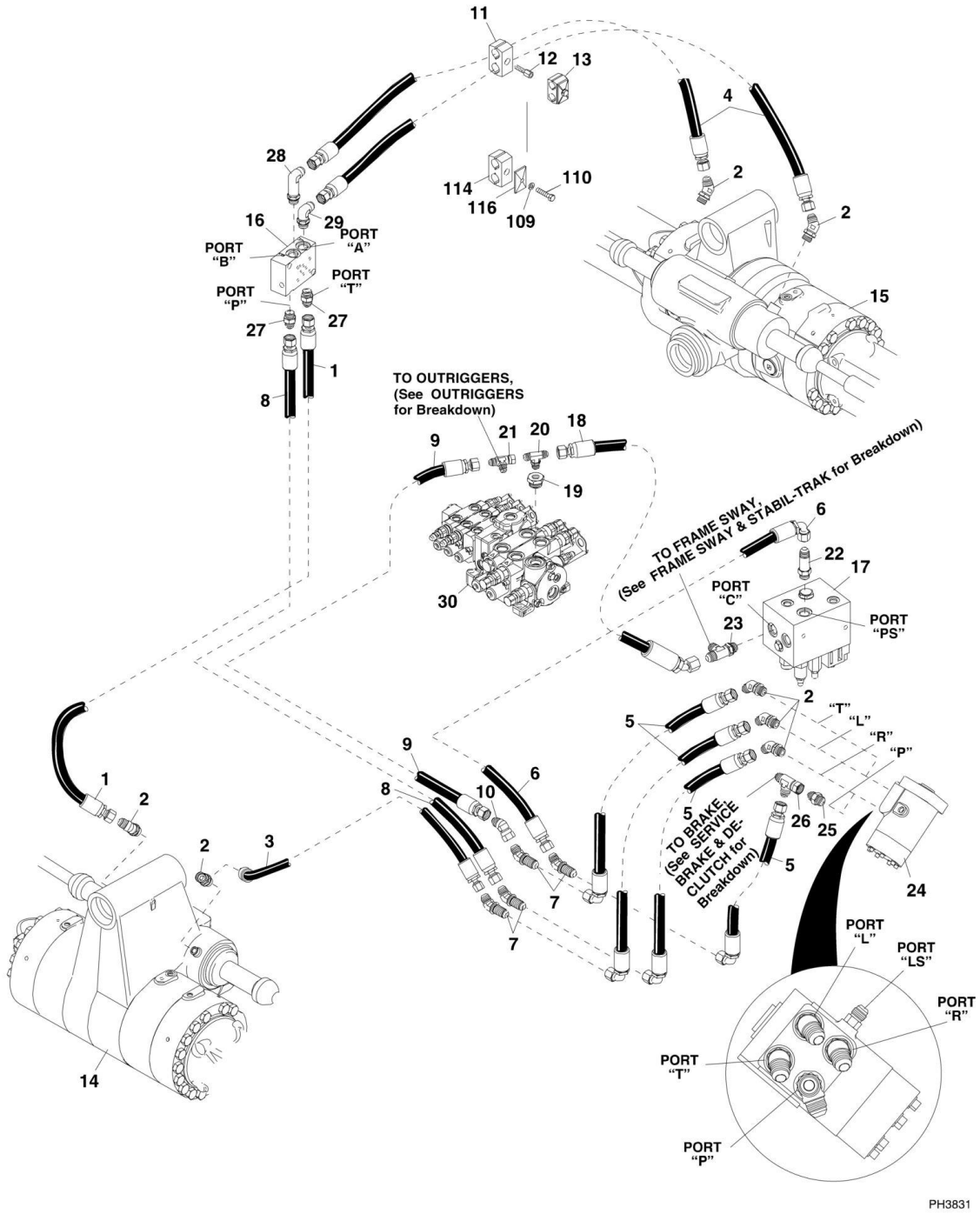


FIGURE 8-8. POWER STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2716672	1	HOSE ASSY	
2	2220500	7	ELBOW, 45, (includes o-ring)	
3	2716708	1	HOSE ASSY	
4	2716673	2	HOSE ASSY	
5	2716696	4	HOSE ASSY	
6	2716706	1	HOSE ASSY	
7	8760237	4	BULKHEAD ELBOW, 45	
8	2716671	1	HOSE ASSY	
9	2716705	1	HOSE ASSY	
10	2220683	1	ELBOW, 45, (swivel nut)	
11	8750027	1	TWIN CLAMP SET, 0.84 DIA **(8042 SN 0160002332 through 0160038988; 10042 SN 0160002332 through 0160038384; 10054 SN 0160002332 through 0160038740; Excluding 0160021270, 01600036713, 0160036715, 0160036721 and 0160036723)**	
12	8750012	1	STACKING BOLT **(8042 SN 0160002332 through 0160038988; 10042 SN 0160002332 through 0160038384; 10054 SN 0160002332 through 0160038740; Excluding 0160021270, 01600036713, 0160036715, 0160036721 and 0160036723)**	
13		Ref	TWIN CLAMP, (See FRAME SWAY AND STABIL-TRAK for Breakdown) **(8042 SN 0160002332 through 0160038988; 10042 SN 0160002332 through 0160038384; 10054 SN 0160002332 through 0160038740; Excluding 0160021270, 01600036713, 0160036715, 0160036721 and 0160036723)**	
14		Ref	FRONT AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
15		Ref	REAR AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
16		Ref	STEER SELECT VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
17		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
18	2716661	1	HOSE ASSY	
19	2220833	1	REDUCER, (includes o-ring)	
20	2220999	1	MALE BRANCH TEE, (includes o-ring)	
21	2220385	1	FEMALE RUN TEE, (swivel nut) (10042,10054)	
22	2220381	1	CONNECTOR, (includes o-ring)	
23	2220602	1	MALE RUN TEE, (includes o-ring)	
24	8721029	1	STEERING UNIT	
25	8760140	1	MALE TUBE END WITH INLET CHECK CONNECTOR, 8-8	
26	2220385	1	FEMALE RUN TEE, (swivel nut)	
27	2220373	2	STRAIGHT CONNECTOR, (includes o-ring)	
28	2220474	1	ELBOW, 90, (includes o-ring)	
29	2220596	1	ELBOW, 90, (includes o-ring)	
30		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
109	8307004	1	LOCKWASHER, 5/16 **(8042 SN 0160038988 through 0160045249; 10042 SN 0160038384 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160045255, 0160045255, 0160045255, 0160021270, 01600036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
110	8310009	1	HEX HD CAPSCREW, 5/16-18X2, GR5 **(8042 SN 0160038988 through 0160045249; 10042 SN 0160038384 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160045255, 0160045255, 0160045255, 0160021270, 01600036713, 0160036715, 0160036721 and 0160036723,**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)	
114	8750016	1	CLAMP SET **(8042 SN 0160038988 through 0160045249; 10042 SN 0160038384 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160045255, 0160045255, 0160045255, 0160021270, 01600036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
116	8769128	1	COVER PLATE **(8042 SN 0160038988 through 0160045249; 10042 SN 0160038384 through 0160045249; 10054 SN 0160038740 through 0160045249; Including 0160045255, 0160045255, 0160045255, 0160021270, 01600036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	

FIGURE 8-9. CONTROL VALVE (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

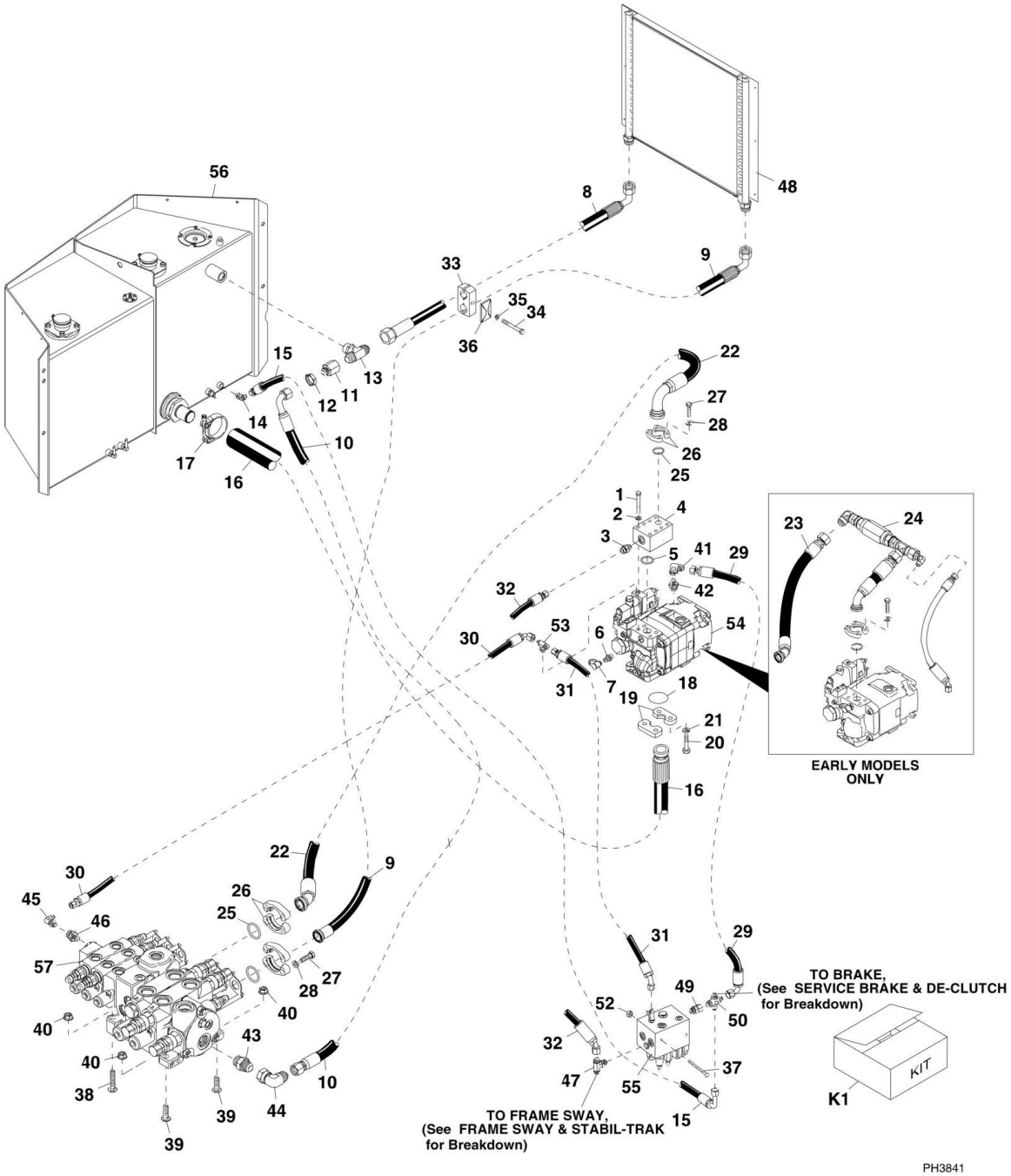


FIGURE 8-9. CONTROL VALVE (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8303704	4	HEX HD CAPSCREW, 3/8-16X3.00, GR5	
2	8307005	4	LOCKWASHER, 3/8	
3	2220373	1	CONNECTOR, #8	
4	1001103144	1	CHECK VALVE, 125 PSI	
5	8640123	1	O-RING	
6	8430043	1	DIAGNOSTIC NIPPLE, 6 ORB	
7	8430032	1	DUST PLUG	
8	2716681	1	HOSE ASSY	
9	2716679	1	HOSE ASSY	
10	2716694	1	HOSE ASSY	
11	8762012	1	TUBE END REDUCER	
12	8760415	1	NUT, 16	
13	8760552	1	MALE BRANCH TEE, (includes o-ring)	
14	2220500	1	ELBOW, 45, (includes o-ring)	
15	2716663	1	HOSE ASSY	
16	2716808	1	HOSE ASSY	
17	8405209	1	HOSE CLAMP	
18	8640208	1	O-RING	
19	10717672	2	FLANGE HALF, 32	
20	8303626	4	HEX HD CAPSCREW, 1/2-13X1.5	
21	8307007	4	LOCKWASHER, 1/2	
22	2716750	1	SPECIAL HOSE	
23	Kit	1	HOSE	
24	Kit	1	CHECK VALVE ASSY	
25	8640123	3	O-RING	
26	8530030	6	FLANGE HALF, #16	
27	8303675	12	HEX HD CAPSCREW, 3/8-16X1.25, GR5	
28	8307005	12	LOCKWASHER, 3/8	
29	2716698	1	HOSE ASSY	
30	2716668	1	HOSE ASSY	
31	2716658	1	HOSE ASSY	
32	2716690	1	HOSE ASSY	
33	8750024	1	TWIN CLAMP SET, 1.18 DIA	
34	8303757	1	HEX HD CAPSCREW, 5/16-18X2.5	
35	8307004	1	LOCKWASHER, 5/16	
36	8750025	1	TWIN COVER PLATE	
37	8310477	2	CARRIAGE BOLT, 5/16-18X5, GR2	
38	8310337	1	CARRIAGE BOLT, 1/2-13X2.5	
39	8310524	2	CARRIAGE BOLT, 1/2-13X1.75	
40	8310523	3	HEX FLANGE NUT, 1/2-13	
41	8765204	1	ELBOW, 90, (swivel nut)	
42	2220374	1	STRAIGHT CONNECTOR, (o-ring)	
43	8770173	1	CONNECTOR WITH OUTLET CHECK	
44	8760254	1	ELBOW, 90, (swivel nut)	
45	8760268	1	ELBOW, 90, (includes o-ring)	
46	8760117	1	STRAIGHT CONNECTOR	
47	8760479	1	MALE BRANCH TEE, (includes o-ring)	
48		Ref	OIL COOLER ASSY, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49		Ref	STRAIGHT CONNECTOR, (swivel nut), (See SERVICE BRAKE AND DE-CLUTCH for Breakdown)	
50		Ref	UNION CROSS, (See SERVICE BRAKE AND DE-CLUTCH for Breakdown)	
52	8310420	2	HEX FLANGE NUT, 5/16-18X1, GR5	
53	8760457	1	MALE BRANCH TEE, (includes o-ring)	
54		Ref	MAIN PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
55		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
56		Ref	HYDRAULIC RESERVOIR, (See HYDRAULIC COMPONENTS for Breakdown)	
57		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
K1	7139482	1	CHECK VALVE REPLACEMENT KIT, (includes items 1 thru 5, 23, 24, 41 & 42)	

FIGURE 8-10. CONTROL VALVE (8042 SN 18991 through 19987, SN 0160002332 through 0160003203; 10042 SN 19031 through 19987, SN 0160002332 through 0160003631; 10054 SN 19080 through 19987, SN 0160002332 through 0160003204)

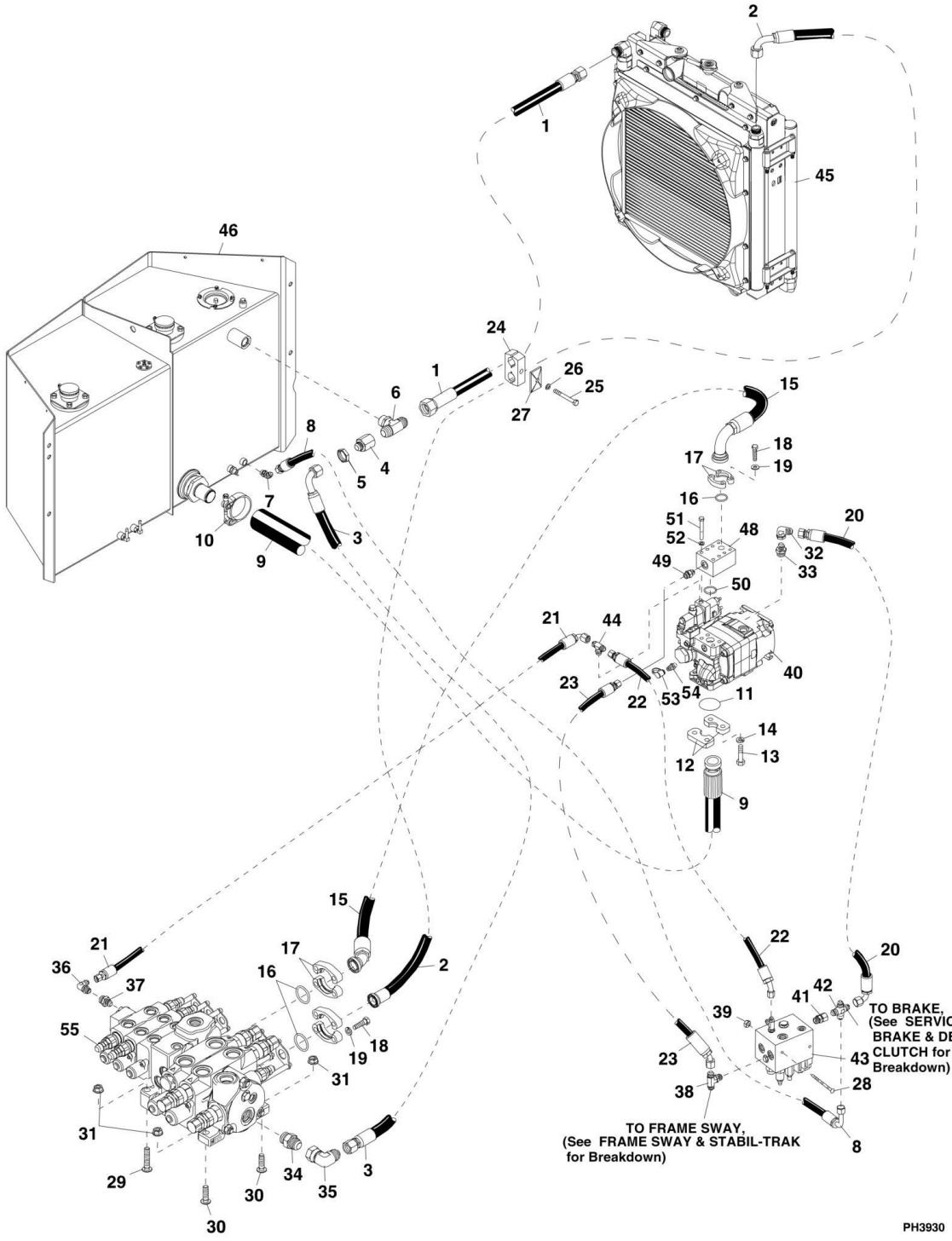


FIGURE 8-10. CONTROL VALVE (8042 SN 18991 through 19987, SN 0160002332 through 0160003203; 10042 SN 19031 through 19987, SN 0160002332 through 0160003631; 10054 SN 19080 through 19987, SN 0160002332 through 0160003204)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2717159	1	HOSE ASSY	
2	2717158	1	HOSE ASSY	
3	2716694	1	HOSE ASSY	
4	8762012	1	TUBE END REDUCER	
5	8760415	1	NUT, 16	
6	8760552	1	MALE BRANCH TEE, (includes o-ring)	
7	2220500	1	ELBOW, 45, (includes o-ring)	
8	2716663	1	HOSE ASSY	
9	2716808	1	HOSE ASSY	
10	8405209	1	HOSE CLAMP	
11	8640208	1	O-RING	
12	10717672	2	FLANGE HALF	
13	8303626	4	HEX HD CAPSCREW, 1/2-13X1.5	
14	8307007	4	LOCKWASHER, 1/2	
15	2716750	1	SPECIAL HOSE	
16	8640123	3	O-RING	
17	8530030	6	FLANGE HALF	
18	8303675	12	HEX HD CAPSCREW, 3/8-16X1.25, GR5	
19	8307005	12	LOCKWASHER, 3/8	
20	2716698	1	HOSE ASSY	
21	2716668	1	HOSE ASSY	
22	2716658	1	HOSE ASSY	
23	2716690	1	HOSE ASSY	
24	8750040	1	TWIN CLAMP SET, 1.46 DIA	
25	8303757	1	HEX HD CAPSCREW, 5/16-18X2.5	
26	8307004	1	LOCKWASHER, 5/16	
27	8750025	1	TWIN COVER PLATE	
28	8310477	2	CARRIAGE BOLT, 5/16-18X5, GR2	
29	8310337	1	CARRIAGE BOLT, 1/2-13X2.5	
30	8310524	2	CARRIAGE BOLT, 1/2-13X1.75	
31	8310523	3	HEX FLANGE NUT, 1/2-13	
32	8765204	1	ELBOW, 90, (swivel nut)	
33	2220374	1	STRAIGHT CONNECTOR, (includes o-ring)	
34	8770173	1	CONNECTOR WITH OUTLET CHECK	
35	8760254	1	ELBOW, 90, (swivel nut)	
36	8760268	1	ELBOW, 90, (includes o-ring)	
37	8760117	1	STRAIGHT CONNECTOR	
38	8760479	1	MALE BRANCH TEE, (includes o-ring)	
39	8310420	2	HEX FLANGE NUT, 5/16-18X1, GR5	
40		Ref	MAIN PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
41		Ref	STRAIGHT CONNECTOR, (swivel nut), (See SERVICE BRAKE AND DE-CLUTCH for Breakdown	
42		Ref	UNION CROSS, (See SERVICE BRAKE AND DE-CLUTCH for Breakdown)	
43		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
44	8760457	1	MALE BRANCH TEE, (includes o-ring)	

SECTION 8 - HYDRAULIC CIRCUITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45		Ref	OIL COOLER, (See ENGINE AND ATTACHING PARTS for Breakdown)	
46		Ref	HYDRAULIC RESERVOIR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
48	1001103144	1	CHECK VALVE, 125 PSI	
49	2220373	1	STRAIGHT CONNECTOR	
50	8640123	1	O-RING	
51	8303704	4	HEX HD CAPSCREW, 3/8-16X3, GR5	
52	8307005	4	LOCKWASHER, 3/8	
53	8430043	1	DIAGNOSTIC NIPPLE	
54	8430032	1	DUST PLUG	
55		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

FIGURE 8-11. CONTROL VALVE (8042 SN 0160003204 through 0160029592; 10042 SN 0160003632 through 0160029606; 10054 SN 0160003205 through 0160029593)

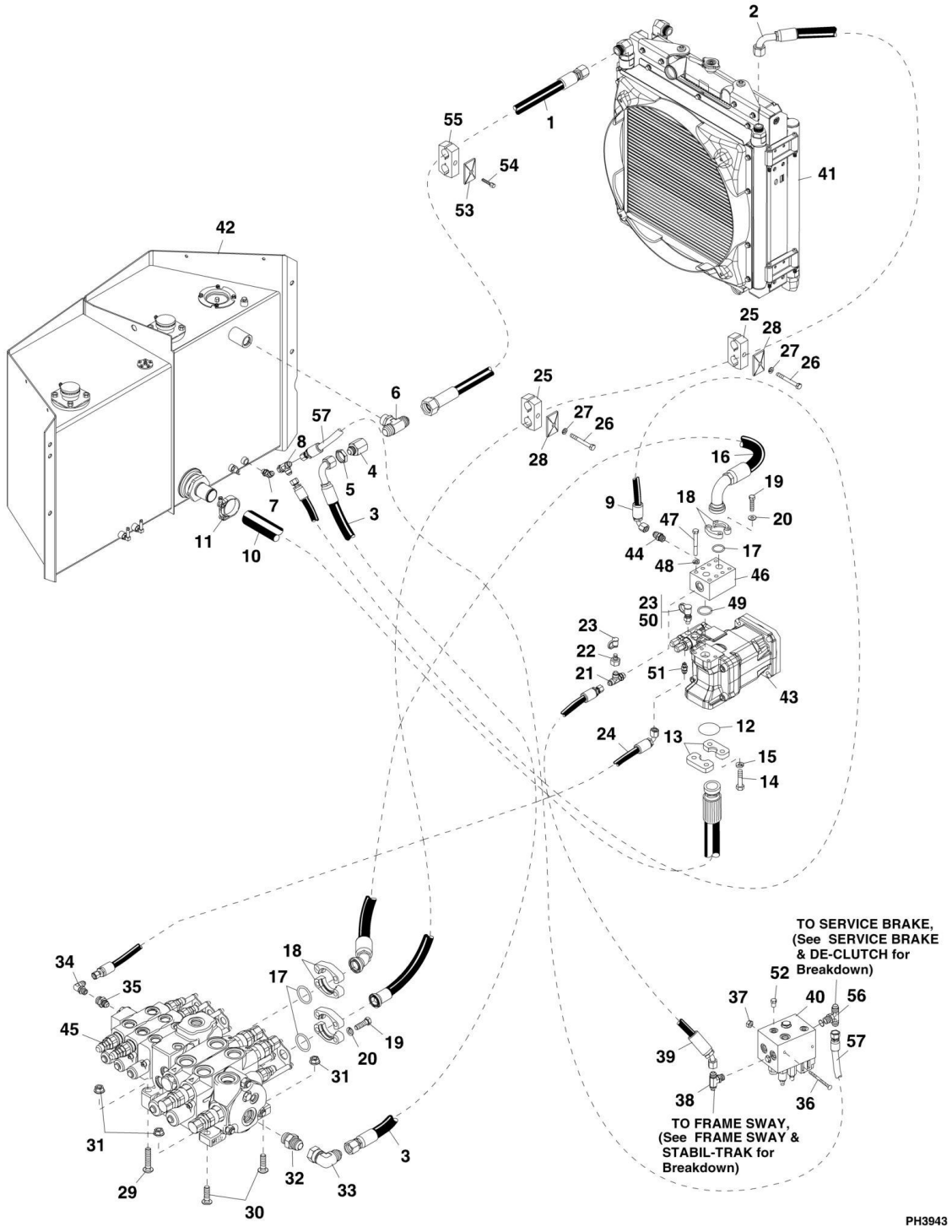


FIGURE 8-11. CONTROL VALVE (8042 SN 0160003204 through 0160029592; 10042 SN 0160003632 through 0160029606; 10054 SN 0160003205 through 0160029593)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2717159	1	HOSE ASSY	
2	2717158	1	HOSE ASSY	
3	2716694	1	HOSE ASSY	
4	8762012	1	TUBE END REDUCER	
5	8760415	1	NUT	
6	8760552	1	MALE BRANCH TEE, (includes o-ring)	
7	2220500	1	ELBOW, 45, (includes o-ring)	
8	2220385	1	SWIVEL NUT RUN TEE	
9	2717291	1	PUMP CASE DRAIN HOSE	
10	2716808	1	INLET HOSE	
11	8405209	1	HOSE CLAMP	
12	8640208	1	O-RING	
13	10717672	2	FLANGE HALF	
14	8303626	4	HEX HD CAPSCREW, 1/2-13X1.5	
15	8307007	4	LOCKWASHER, 1/2	
16	2716750	1	SPECIAL HOSE	
17	8640123	3	O-RING	
18	8530030	6	FLANGE HALF	
19	8303675	12	HEX HD CAPSCREW, 3/8-16X1.25, GR5	
20	8307005	12	LOCKWASHER, 3/8	
21	8760510	1	MALE RUN TEE, (includes o-ring)	
22	8430037	1	DIAGNOSTIC NIPPLE, 1/8 BODY	
23	8430032	3	DUST CAP	
24	2717290	1	HOSE ASSY	
25	8750040	2	TWIN CLAMP SET, 1.46 DIA	
26	8303757	2	HEX HD CAPSCREW, 5/16-18X2.5	
27	8307004	2	LOCKWASHER, 5/16	
28	8750025	2	TWIN COVER PLATE	
29	8310377	1	CARRIAGE BOLT, 1/2-13X2.5	
30	8310524	2	CARRIAGE BOLT, 1/2-13X1.75	
31	8310523	3	HEX FLANGE NUT, 1/2-13	
32	8770173	1	CONNECTOR WITH OUTLET CHECK	
33	8760254	1	ELBOW, 90, (swivel nut)	
34	8760268	1	ELBOW, 90, (swivel nut)	
35	8760117	1	STRAIGHT CONNECTOR	
36	8310477	2	CARRIAGE BOLT, 5/16-18X5, GR2	
37	8310420	2	HEX FLANGE NUT, 5/16-18X1, GR5	
38	8760479	1	MALE BRANCH TEE, (includes o-ring)	
39	2716690	1	HOSE ASSY	
40		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
41		Ref	OIL COOLER, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
42		Ref	HYDRAULIC RESERVOIR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
43		Ref	GEAR PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
44	2220374	1	STRAIGHT CONNECTOR	
45		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001103144	1	CHECK VALVE, 125 PSI	
47	8303704	4	HEX HD CAPSCREW, 3/8-16X3, GR5	
48	8307005	4	LOCKWASHER, 3/8	
49	8640123	1	O-RING	
50	8430033	1	NIPPLE	
51	2220603	1	STRAIGHT CONNECTOR, (includes o-ring)	
52	8760451	1	PLUG	
53	8750017	1	LOCKING PLATE	
54	8750026	1	STACKING BOLT	
55	8750040	1	TWIN CLAMP SET, 1.46 DIA	
56	2220999	1	TEE FITTING	
57	2716663	1	HOSE ASSEMBLY	

FIGURE 8-12. CONTROL VALVE (8042 SN 0160029593 through 0160038983; 10054 SN 0160029593 through 0160038983; 10042 SN 0160029607 through 0160038370)

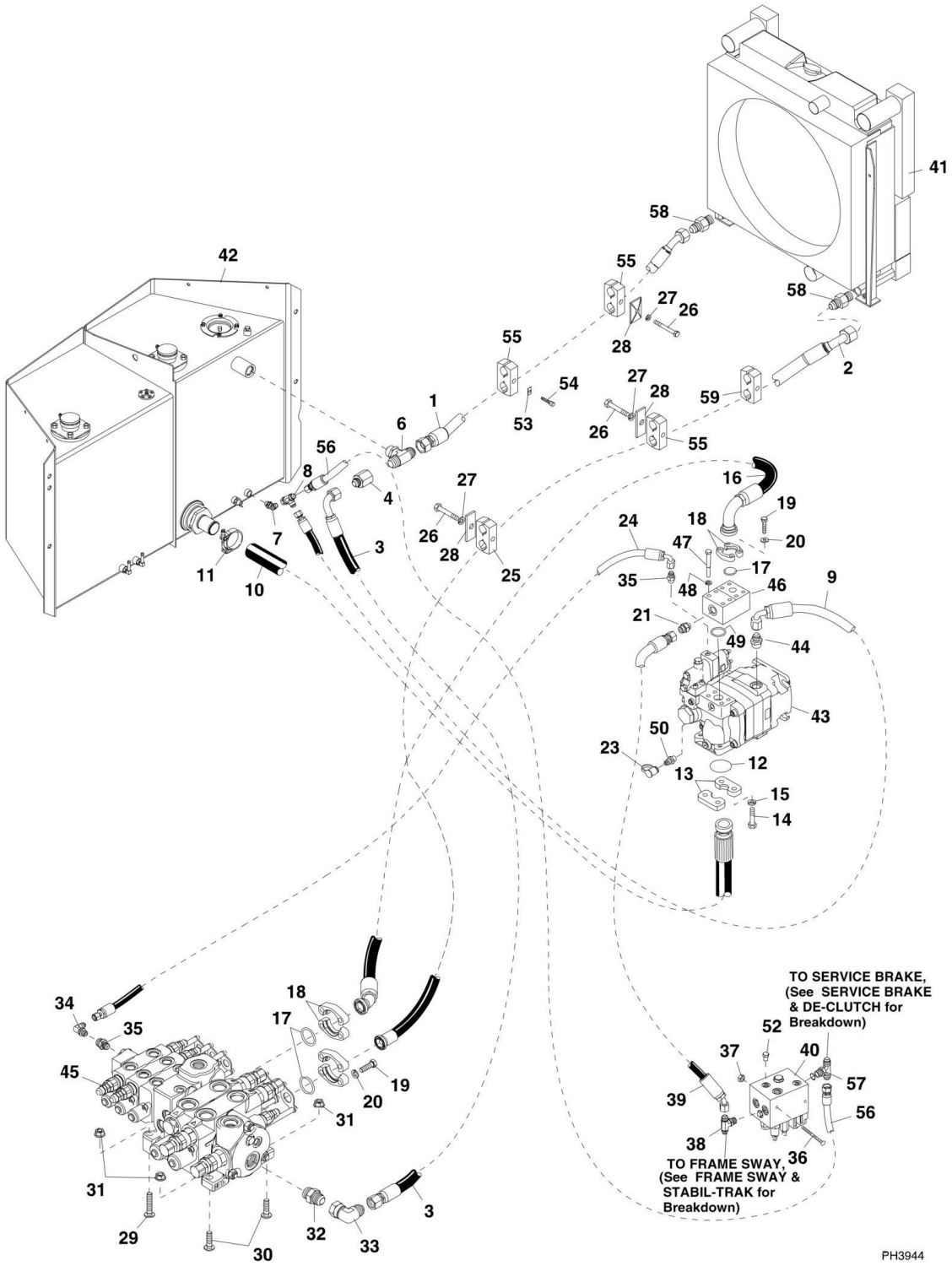


FIGURE 8-12. CONTROL VALVE (8042 SN 0160029593 through 0160038983; 10054 SN 0160029593 through 0160038983; 10042 SN 0160029607 through 0160038370)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001093135	1	HOSE ASSY	
2	1001093134	1	HOSE ASSY	
3	2716694	1	HOSE ASSY	
4	2220710	1	TUBE END REDUCER	
6	8760552	1	MALE BRANCH TEE, (includes o-ring)	
7	2220500	1	ELBOW, 45, (includes o-ring)	
8	2220385	1	SWIVEL NUT RUN TEE	
9	2717291	1	PUMP CASE DRAIN HOSE	
10	2716808	1	INLET HOSE	
11	8405209	1	HOSE CLAMP	
12	8640208	1	O-RING	
13	10717672	2	FLANGE HALF	
14	8303626	4	HEX HD CAPSCREW, 1/2-13X1.5	
15	8307007	4	LOCKWASHER, 1/2	
16	2716750	1	SPECIAL HOSE	
17	8640123	3	O-RING	
18	8530030	6	FLANGE HALF	
19	8303675	12	HEX HD CAPSCREW, 3/8-16X1.25, GR5	
20	8307005	12	LOCKWASHER, 3/8	
21	2220373	1	STRAIGHT CONNECTOR, (includes o-ring)	
23	8430032	2	DUST CAP	
24	2716668	1	HOSE ASSY	
25	8750024	1	TWIN CLAMP SET, 1.18 DIA	
26	8303757	3	HEX HD CAPSCREW, 5/16-18X2.5	
27	8307004	3	LOCKWASHER, 5/16	
28	8750025	3	TWIN COVER PLATE	
29	8310377	1	CARRIAGE BOLT, 1/2-13X2.5	
30	8310524	2	CARRIAGE BOLT, 1/2-13X1.75	
31	8310523	3	HEX FLANGE NUT, 1/2-13	
32	8770173	1	CONNECTOR WITH OUTLET CHECK	
33	2220655	1	ELBOW, 90, (swivel nut)	
34	8760268	1	ELBOW, 90, (swivel nut)	
35	2220371	2	STRAIGHT CONNECTOR	
36	8310477	2	CARRIAGE BOLT, 5/16-18X5, GR2	
37	8310420	2	HEX FLANGE NUT, 5/16-18X1, GR5	
38	2220999	1	MALE BRANCH TEE, (includes o-ring)	
39	2716690	1	HOSE ASSY	
40		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
41		Ref	OIL COOLER, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
42		Ref	HYDRAULIC RESERVOIR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
43		Ref	MAIN PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
44	2220374	1	STRAIGHT CONNECTOR	
45		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
46	1001103144	1	CHECK VALVE, 125 PSI	
47	8303704	4	HEX HD CAPSCREW, 3/8-16X3, GR5	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	8307005	4	LOCKWASHER, 3/8	
49	8640123	1	O-RING	
50	8430033	1	NIPPLE, MALE STRAIGHT	
52	2220237	1	PLUG	
53	8750017	2	LOCKING PLATE	
54	8750026	2	STACKING BOLT	
55	8750040	3	TWIN CLAMP SET, 1.46 DIA	
56	2716663	1	HOSE ASSY	
57	2220999	1	TEE FITTING	
58	2111212	1	CONNECTOR	
59		Ref	TWIN CLAMP SET, (See TRANSMISSION COOLER for Breakdown)	

FIGURE 8-13. CONTROL VALVE (8042 SN 0160038984 through 0160040218, Except SN 0160040126 through 0160040129, Excluding 0160039850 and 0160040171; 10054 SN 0160038984 through 0160040218, Except SN 0160040126 through 0160040129, Excluding 0160039850 and 0160040171; 10042 SN 0160038371 through 160040218, Except SN 0160040126 through 0160040129, Excluding 0160039850 and 0160040171)

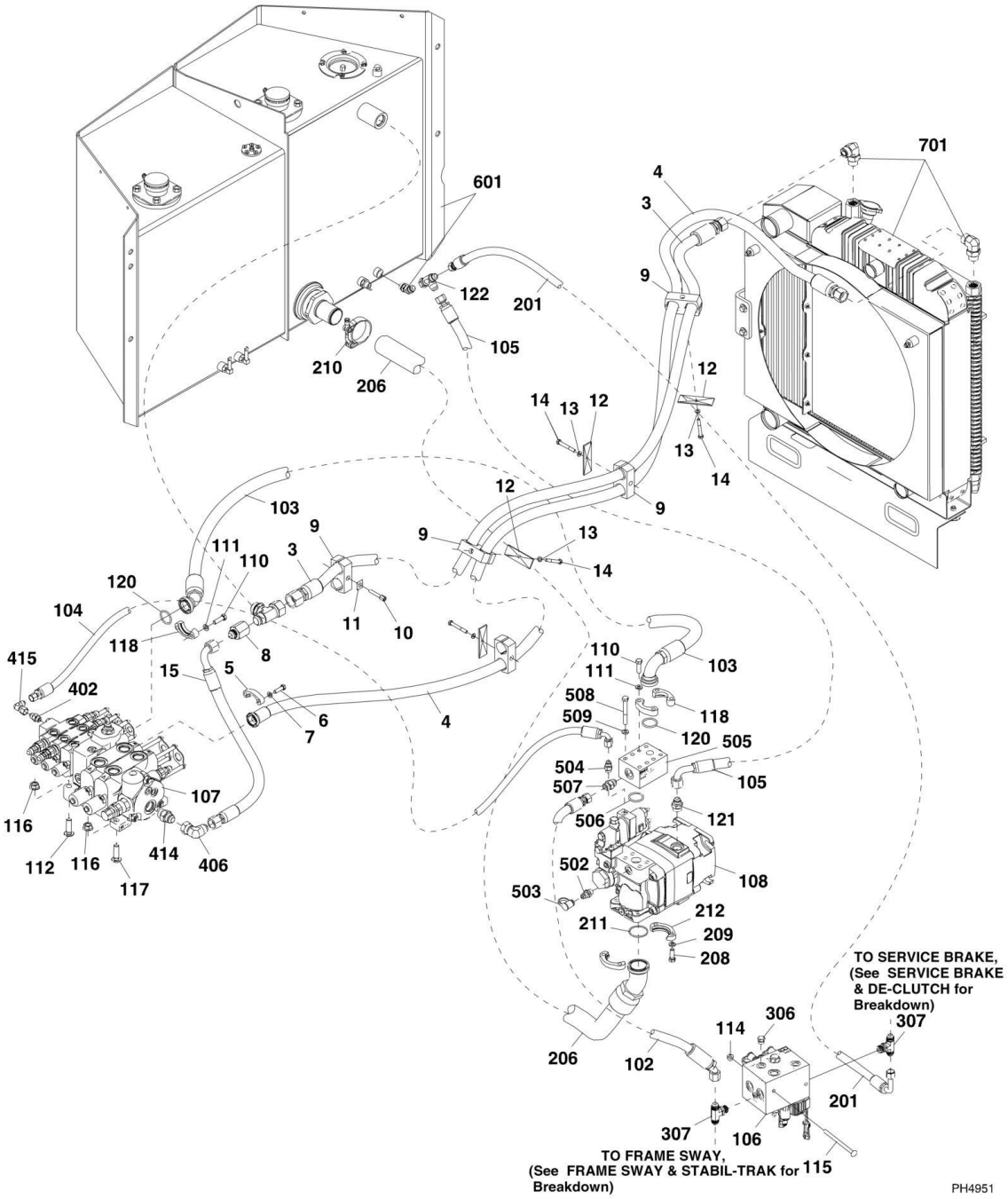


FIGURE 8-13. CONTROL VALVE (8042 SN 0160038984 through 0160040218, Except SN 0160040126 through 0160040129, Excluding 0160039850 and 0160040171; 10054 SN 0160038984 through 0160040218, Except SN 0160040126 through 0160040129, Excluding 0160039850 and 0160040171; 10042 SN 0160038371 through 160040218, Except SN 0160040126 through 0160040129, Excluding 0160039850 and 0160040171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
3	2755085	1	HOSE ASSY	
4	2755086	1	HOSE ASSY	
5	8530030	2	FLANGE HALF	
6	8303675	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
7	8307005	4	LOCKWASHER, 3/8	
8	2220710	1	CONNECTOR	
9	8750040	5	CLAMP SET	
10	8750026	1	STACKING BOLT	
11	8750017	1	LOCKING PLATE	
12	8750025	4	COVER PLATE	
13	8307004	4	LOCKWASHER, 5/16	
14	8303757	4	HEX HD CAPSCREW, 5/16-18X2-1/2, GR5	
15	2716694	1	HOSE ASSY	
102	2716690	1	HOSE ASSY	
103	2716750	1	HOSE ASSY	
104	2716668	1	HOSE ASSY	
105	2717291	1	HOSE ASSY	
106		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
107		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS for Breakdown)	
108		Ref	GEAR PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
110	8303675	8	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
111	8307005	8	LOCKWASHER, 3/8	
112	8310337	1	CARRIAGE BOLT, 1/2-13X2-1/2	
114	8310420	2	FLANGE NUT, 5/16-18	
115	8310477	2	CARRIAGE BOLT, 5/16-18X2-1/4, GR2	
116	8310523	3	HEX FLANGE NUT, 1/2-13	
117	8310524	2	CARRIAGE BOLT, 1/2-13X1-3/4	
118	8530030	4	FLANGE HALF	
120	8640123	2	O-RING	
121	2220374	1	CONNECTOR	
122	2220385	1	SWIVEL NUT RUN TEE	
201	2716663	1	HOSE ASSY	
206	2716808	1	HOSE ASSY	
208	8303626	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5, (torque to 60 lb-ft)	
209	8307007	4	LOCKWASHER, 1/2	
210	8405209	1	T-BOLT CLAMP	
211	8640208	1	O-RING	
212	8546407	2	FLANGE HALF	
306	2220237	1	PLUG	
307	2220999	2	BRANCH TEE, (includes o-ring)	
402	2220371	1	CONNECTOR, (includes o-ring)	
406	2220655	1	ELBOW, 90	
414	8770173	1	CHECK VALVE, 65 PSI	

SECTION 8 - HYDRAULIC CIRCUITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
415	8760268	1	ELBOW, 90	
502	8430043	1	CONNECTOR, (includes o-ring)	
503	8430032	1	DUST CAP	
504	2220371	1	CONNECTOR, (includes o-ring)	
505	1001103144	1	CHECK VALVE, 125 PSI	
506	8640123	1	O-RING	
507	2220373	1	CONNECTOR, (includes o-ring)	
508	8303704	4	HEX HD CAPSCREW, 3/8-16X3, GR5	
509	8307005	4	LOCKWASHER, 3/8	
601		Ref	HYDRAULIC RESERVOIR, (See HYDRAULIC COMPONENTS SECTION for Break down)	
701		Ref	RADIATOR, (See ENGINE AND ATTACHING PARTS for Breakdown)	

FIGURE 8-14. CONTROL VALVE (SN 0160040220 through 0160045249, Including 0160045255, 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

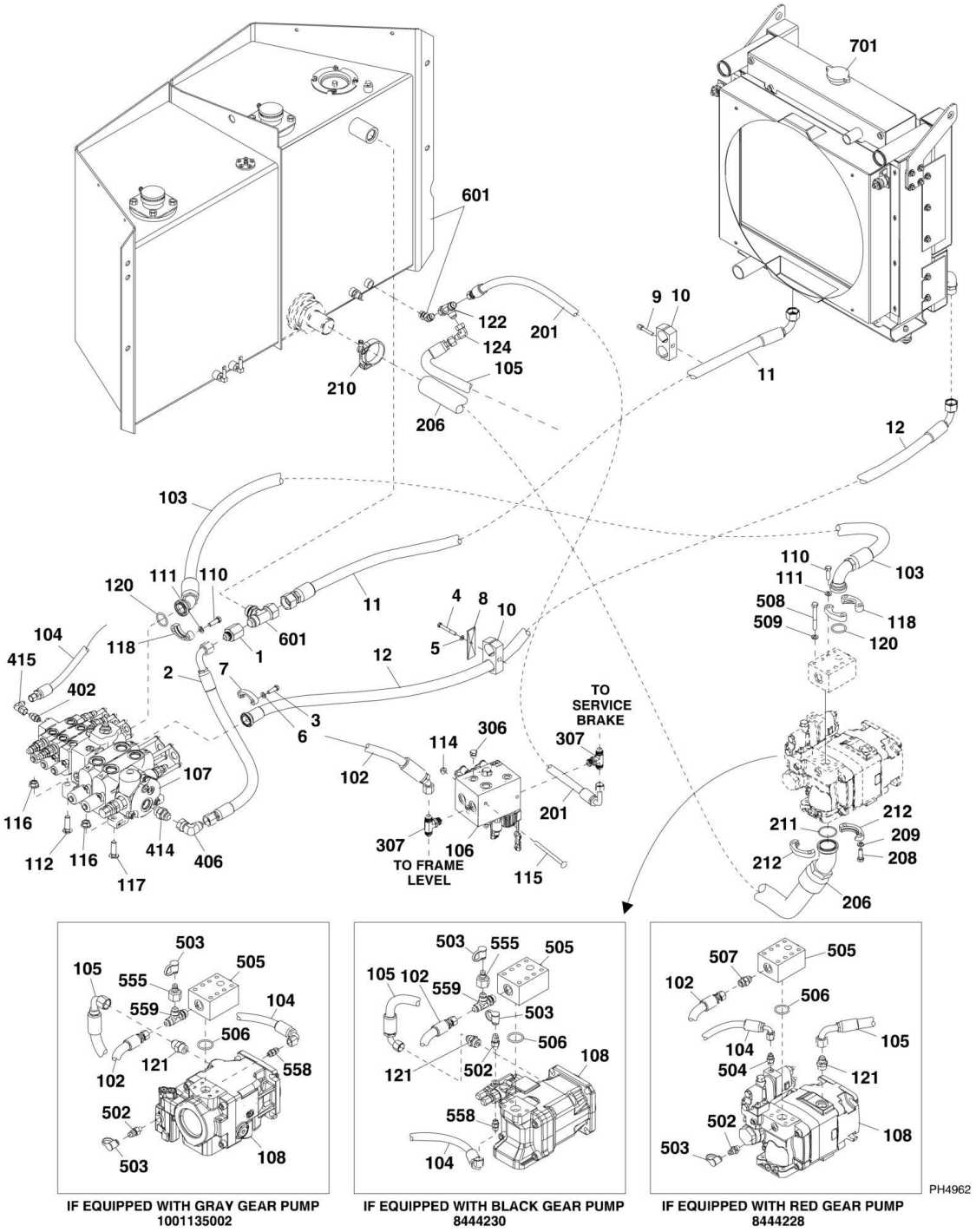


FIGURE 8-14. CONTROL VALVE (SN 0160040220 through 0160045249, Including 0160045255, 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119056	Ref	COOLER PLUMBING INSTALLATION, (not available to order, see items 1 thru 12 for service)	
1	2220710	1	CONNECTOR	
2	2716694	1	HOSE ASSY	
3	8303675	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
4	8303757	1	HEX HD CAPSCREW, 5/16-18X2-1/2, GR5	
5	8307004	1	LOCKWASHER, 5/16	
6	8307005	4	LOCKWASHER, 3/8	
7	8530030	2	FLANGE HALF	
8	8750025	1	COVER PLATE	
10	8750040	1	CLAMP SET	
11	1001119055	1	HOSE ASSY	
12	1001119107	1	HOSE ASSY	
102	2716690	1	HOSE ASSY	
103	2716750	1	HOSE ASSY	
104	2716668	1	HOSE ASSY	
105	2717291	1	HOSE ASSY, (if equipped with red gear pump 8444228 or black gear pump 8444230)	
105	1001135055	1	HOSE ASSY, (if equipped with grey gear pump 1001135002)	
106		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
107		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
108		Ref	GEAR PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
110	8303675	8	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
111	8307005	8	LOCKWASHER, 3/8	
112	8310337	1	CARRIAGE BOLT, 1/2-13X2-1/2	
114	8310420	2	FLANGE NUT, 5/16-18	
115	8310477	2	CARRIAGE BOLT, 5/16-18X2-1/4, GR2	
116	8310523	3	HEX FLANGE NUT, 1/2-13	
117	8310524	2	CARRIAGE BOLT, 1/2-13X1-3/4	
118	8530030	4	FLANGE HALF	
120	8640123	2	O-RING	
121	2220374	1	CONNECTOR, (includes o-ring), (if equipped with red gear pump 8444228)	
121	2220374	1	STRAIGHT FITTING, (includes o-ring), (if equipped with black gear pump 8444230)	
121	2220947	1	STRAIGHT FITTING, (includes o-ring), (if equipped with grey gear pump 1001135002)	
122	2220385	1	TEE FITTING, (includes o-ring)	
124	91513140	1	FITTING, 90, (if equipped with grey gear pump 1001135002)	
201	2716663	1	HOSE ASSY	
206	2716808	1	HOSE ASSY	
208	8303626	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5, (torque to 60 lb-ft)	
209	8307007	4	LOCKWASHER, 1/2	
210	8405209	1	T-BOLT CLAMP	
211	8640208	1	O-RING	
212	10717672	2	FLANGE HALF	
306	2220237	1	PLUG	

SECTION 8 - HYDRAULIC CIRCUITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
307	2220999	2	BRANCH TEE, (includes o-ring)	
402	2220371	1	CONNECTOR, (includes o-ring)	
406	2220655	1	ELBOW, 90	
414	8770173	1	CHECK VALVE, 65 PSI	
415	8760268	1	ELBOW, 90	
502	8430043	1	CONNECTOR, (includes o-ring), (if equipped with red gear pump 8444228)	
502	8430033	1	CONNECTOR, (includes o-ring), (if equipped with black gear pump 8444230 or grey gear pump 1001135002)	
503	8430032	1	DUST CAP, (if equipped with red gear pump 8444228)	
503	8430032	2	DUST CAP, (if equipped with black gear pump 8444230 or grey gear pump 1001135002)	
504	2220371	1	CONNECTOR, (includes o-ring), (if equipped with red gear pump 8444228)	
505	1001103144	1	CHECK VALVE, 125 PSI	
506	8640123	1	O-RING	
507	2220373	1	CONNECTOR, (includes o-ring), (if equipped with red gear pump 8444228)	
508	8303704	4	HEX HD CAPSCREW, 3/8-16X3, GR5	
509	8307005	4	LOCKWASHER, 3/8	
555	8430037	1	DIAGNOSTIC NIPPLE, 1/8 BODY, (if equipped with black gear pump 8444230 or grey gear pump 1001135002)	
558	2220603	1	STRAIGHT CONNECTOR, (includes o-ring), (if equipped with black gear pump 8444230)	
559	2220602	1	TEE FITTING, (includes o-ring), (if equipped with black gear pump 8444230 or grey gear pump 1001135002)	
601		Ref	HYDRAULIC RESERVOIR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
701		Ref	RADIATOR, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	

FIGURE 8-15. AUXILIARY HYDRAULIC

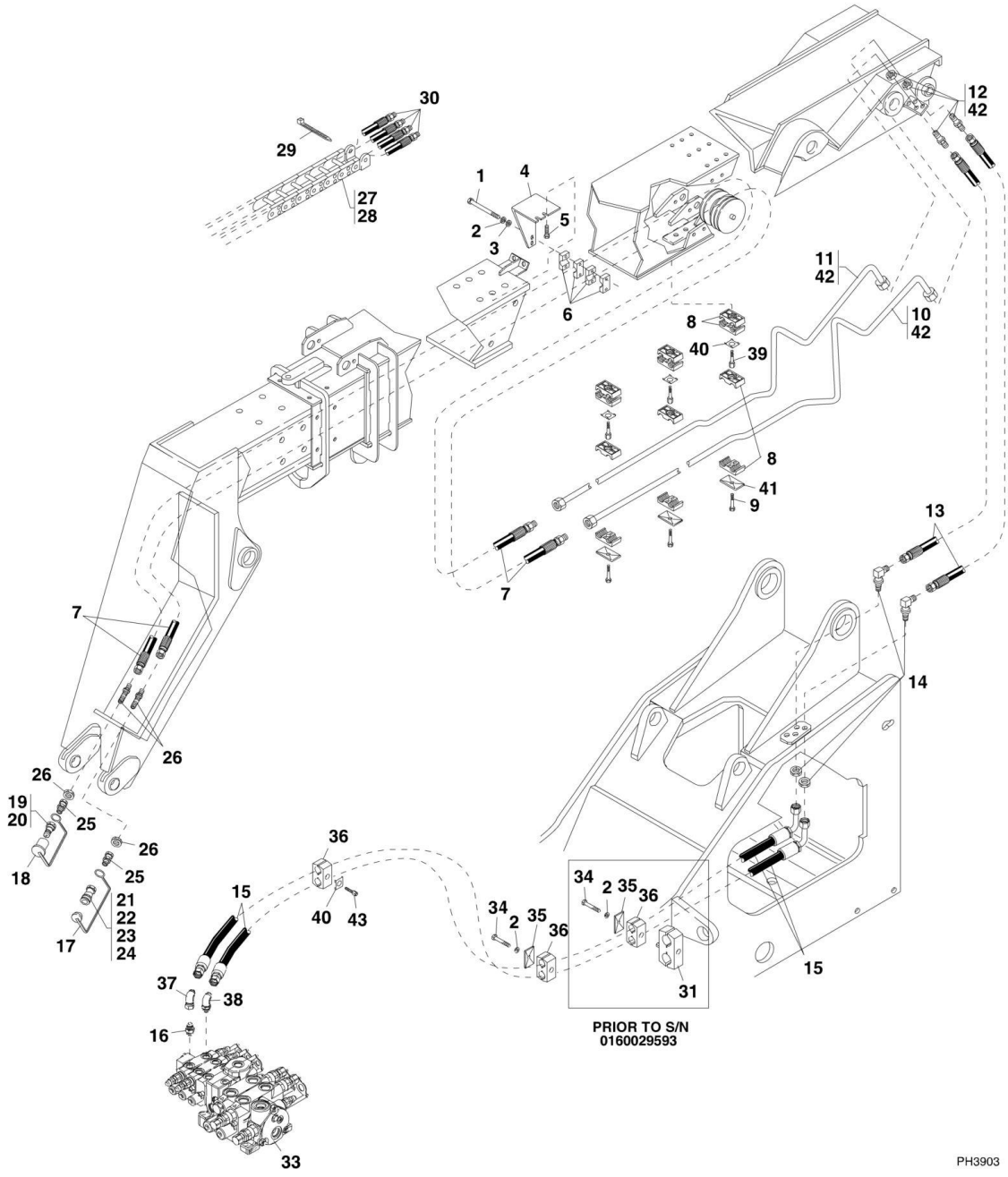


FIGURE 8-15. AUXILIARY HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8310081	2	HEX HD CAPSCREW, 5/16-18X5	
2	8307004	3	LOCKWASHER, 5/16 **(SN 0160002332 through 0160029593)**	
2	8307004	2	LOCKWASHER, 5/16 **(SN 0160029593 through 0160040761)**	
2	8307004	3	LOCKWASHER, 5/16 **(SN 0160040762 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
3	8307203	2	FLAT WASHER, 5/16	
4	7111402	1	CLAMP SUPPORT	
5		Ref	HEX HD CAPSCREW, (See BOOM SECTION for Breakdown)	
6	8769161	2	SINGLE CLAMP, 0.75 ID (10042,8042)	
6	8750003	2	SINGLE CLAMP, 0.62 ID (10054)	
7	2713082	2	HOSE ASSY (10042,10054,8042)	
8	8769122	6	TWIN CLAMP, 0.62 ID, (two halves)	
9	8303739	3	HEX HD CAPSCREW, 5/16-18X2-1/4	
10	7133843	1	AUXILIARY TUBE ASSY **(8042 SN 13198 through 17217; 10042 SN 13198 through 17513; 10054 SN 13198 through 17212)**	
10	7300675	1	AUXILIARY TUBE ASSY **(8042 SN 17218 through 19987; 10042 SN 17514 through 19987; 10054 SN 17213 through 19987; SN 0160002332 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
11	7133853	1	AUXILIARY TUBE ASSY **(8042 SN 13198 through 17217; 10042 SN 13198 through 17513; 10054 SN 13198 through 17212)**	
11	7300674	1	AUXILIARY TUBE ASSY **(8042 SN 17218 through 19987; 10042 SN 17514 through 19987; 10054 SN 17213 through 19987; SN 0160002332 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
12	8760465	2	STRAIGHT BULKHEAD UNION	
13	2716713	2	HOSE ASSY	
14	2230044	2	BULKHEAD ELBOW, 90	
15	2716677	2	HOSE ASSY	
16	2220373	1	STRAIGHT CONNECTOR, (includes o-ring)	
17	8420055	1	DUST PLUG, #8	
18	8420053	1	DUST CAP, #8	
19	91403414	1	MALE QUICK DISCONNECT, (includes item 20)	
20	8640029	1	NOSE SEAL, (not shown)	
21	91403413	1	FEMALE QUICK DISCONNECT, (includes items 22 thru 24)	
22	8640029	1	NOSE SEAL, (not shown)	
23	8640028	1	COUPLER BODY SEAL, (not shown)	
24	8640032	1	COUPLER BODY SEAL BACK-UP RING, (not shown)	
25	2220651	2	STRAIGHT CONNECTOR, (swivel nut), (includes o-ring)	
26	2230025	2	STRAIGHT BULKHEAD UNION	
27	7112452	1	HOSE AND CARRIER ASSY, (includes items 28 thru 30) (10054)	
28	N.S.S.	1	HOSE CARRIER, (for service, order item 27)	
29	8584001	2	TIE WRAP	
30	2713642	4	HOSE ASSY	
31		Ref	TWIN CLAMP, (See TRANSMISSION COOLER for Breakdown)	
33		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
34	8310009	2	HEX HD CAPSCREW, 5/16-18X2 **(SN 0160002332 through 0160029593)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
34	8310009	1	HEX HD CAPSCREW, 5/16-18X2 **(SN 0160029593 through 0160040761)**	
34	8310009	2	HEX HD CAPSCREW, 5/16-18X2 **(SN 0160040762 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
35	8769128	2	TWIN COVER PLATE **(SN 0160002332 through 0160029593)**	
35	8769128	1	TWIN COVER PLATE **(SN 0160029593 through 0160040761)**	
35	8769128	1	TWIN COVER PLATE **(SN 0160040762 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
36	8750027	3	TWIN CLAMP SET, 0.84 DIA **(SN 0160002332 through 0160029593)**	
36	8750027	2	TWIN CLAMP SET, 0.84 DIA **(SN 0160029593 through 0160040761)**	
36	8750027	2	TWIN CLAMP SET, 0.84 DIA **(SN 0160040762 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
37	8765204	1	ELBOW, 90, (swivel nut)	
38	2220596	1	ELBOW, 90, (include o-ring)	
39	8750011	3	TWIN CLAMP STACK BOLT	
40	8750017	4	TWIN CLAMP LOCK PLATE	
41	8769123	3	TWIN CLAMP COVER PLATE	
42	8526048	1	LOCTITE 545, (apply to items 10, 11 & 12)	
43	8750012	1	STACKING BOLT	

FIGURE 8-16. TRANSMISSION COOLER (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

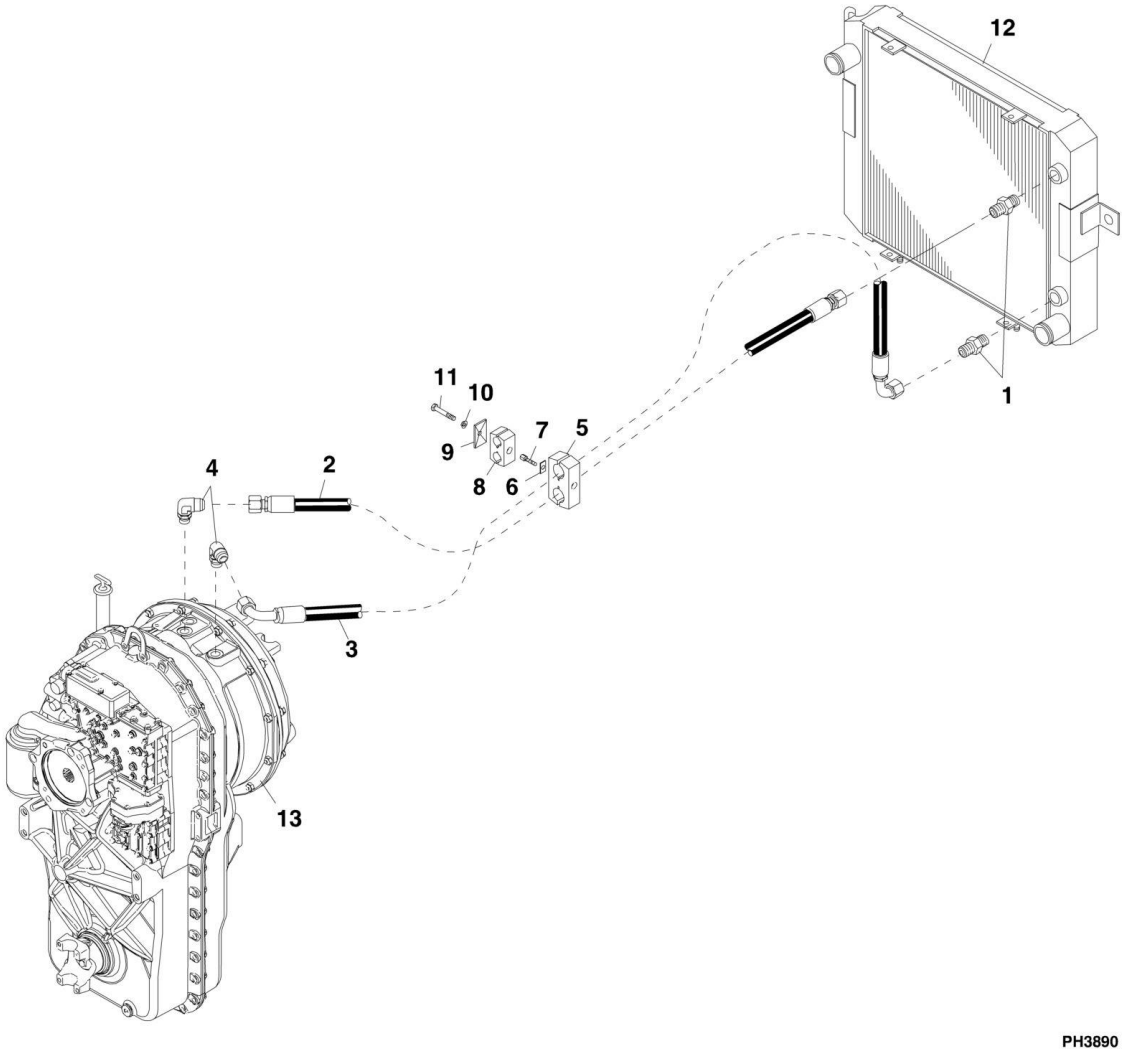


FIGURE 8-16. TRANSMISSION COOLER (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8770070	2	CONNECTOR, (includes o-ring)	
2	2716622	1	HOSE ASSY	
3	2716621	1	HOSE ASSY	
4	8760328	2	ELBOW, 90, (includes o-ring)	
5	8750024	1	TWIN CLAMP SET	
6	8750017	1	TWIN CLAMP LOCKING PLATE	
7	8750026	1	STOCKING BOLT	
8	8750027	1	TWIN CLAMP SET, 0.84 DIA	
9	8769128	1	TWIN COVER PLATE	
10	8307004	1	LOCKWASHER, 5/16	
11	0641538	1	HEX HD CAPSCREW, 5/16-18X4-3/4	
12		Ref	TRANSMISSION OIL COOLER, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
13		Ref	TRANSMISSION, (See DRIVE TRAIN SECTION for Breakdown)	

FIGURE 8-17. TRANSMISSION COOLER (8042 SN 18991 through 19987, SN 0160002332 through 0160029592; 10042 SN 19031 through 19987, SN 0160002332 through 0160029606; 10054 SN 19080 through 19987, SN 0160002332 through 0160029593)

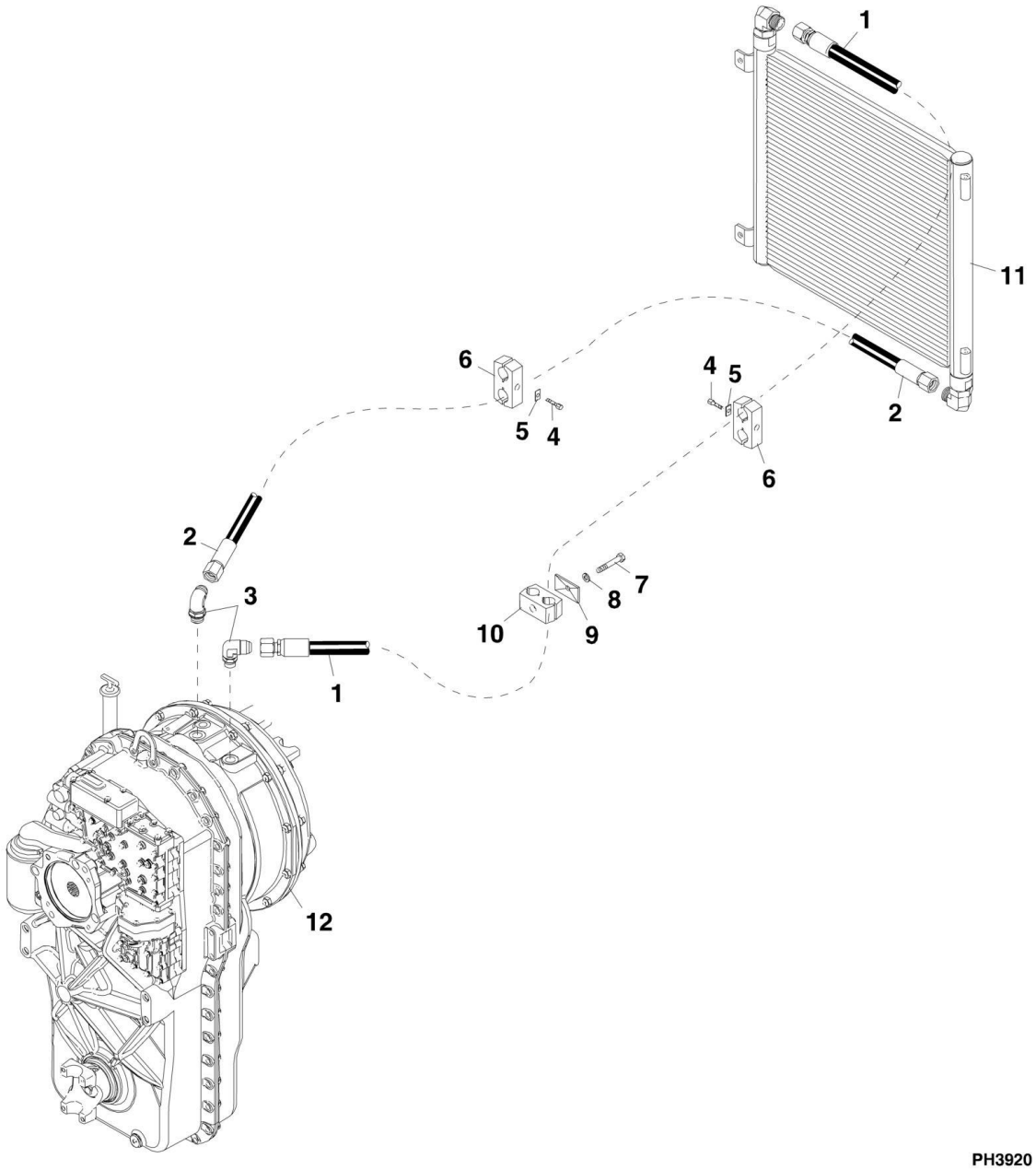


FIGURE 8-17. TRANSMISSION COOLER (8042 SN 18991 through 19987, SN 0160002332 through 0160029592; 10042 SN 19031 through 19987, SN 0160002332 through 0160029606; 10054 SN 19080 through 19987, SN 0160002332 through 0160029593)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2717149	1	HOSE ASSY	
2	2717150	1	HOSE ASSY	
3	2131210	2	ELBOW, 90, (includes o-ring)	
4	8750026	2	STACKING BOLT	
5	8750017	2	TWIN CLAMP LOCKING PLATE	
6	8750040	2	TWIN CLAMP SET	
7	8303757	1	HEX HD CAPSCREW, 5/16-18X2-1/2	
8	8307004	1	LOCKWASHER, 5/16	
9	8750025	1	TWIN COVER PLATE	
10	8750024	1	TWIN CLAMP SET, 1.84 DIA **(8042 SN 18991 through 19987, SN 0160002332 through 0160027180; 10042 SN 190310 through 19987, SN 016002332 through 0160027232; 10054 SN 19080 through 19987, SN 0160002332 through 0160027182)**	
10	8750040	1	TWIN CLAMP SET **(8042 SN 0160027181 through 016002959200; 10042 SN 0160027233 through 0160029606; 10054 SN 0160027182 through 0160029593)**	
11		Ref	TRANSMISSION OIL COOLER, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
12		Ref	TRANSMISSION, (See DRIVE TRAIN SECTION for Breakdown)	

FIGURE 8-18. TRANSMISSION COOLER AND (8042 SN 0160029593 through 0160038983, Excluding 39850, 40126, 40127, 40128, 40129 and 40171; 10054 SN 0160029593 through 0160038983; 10042 SN 0160029607 through 0160038370)

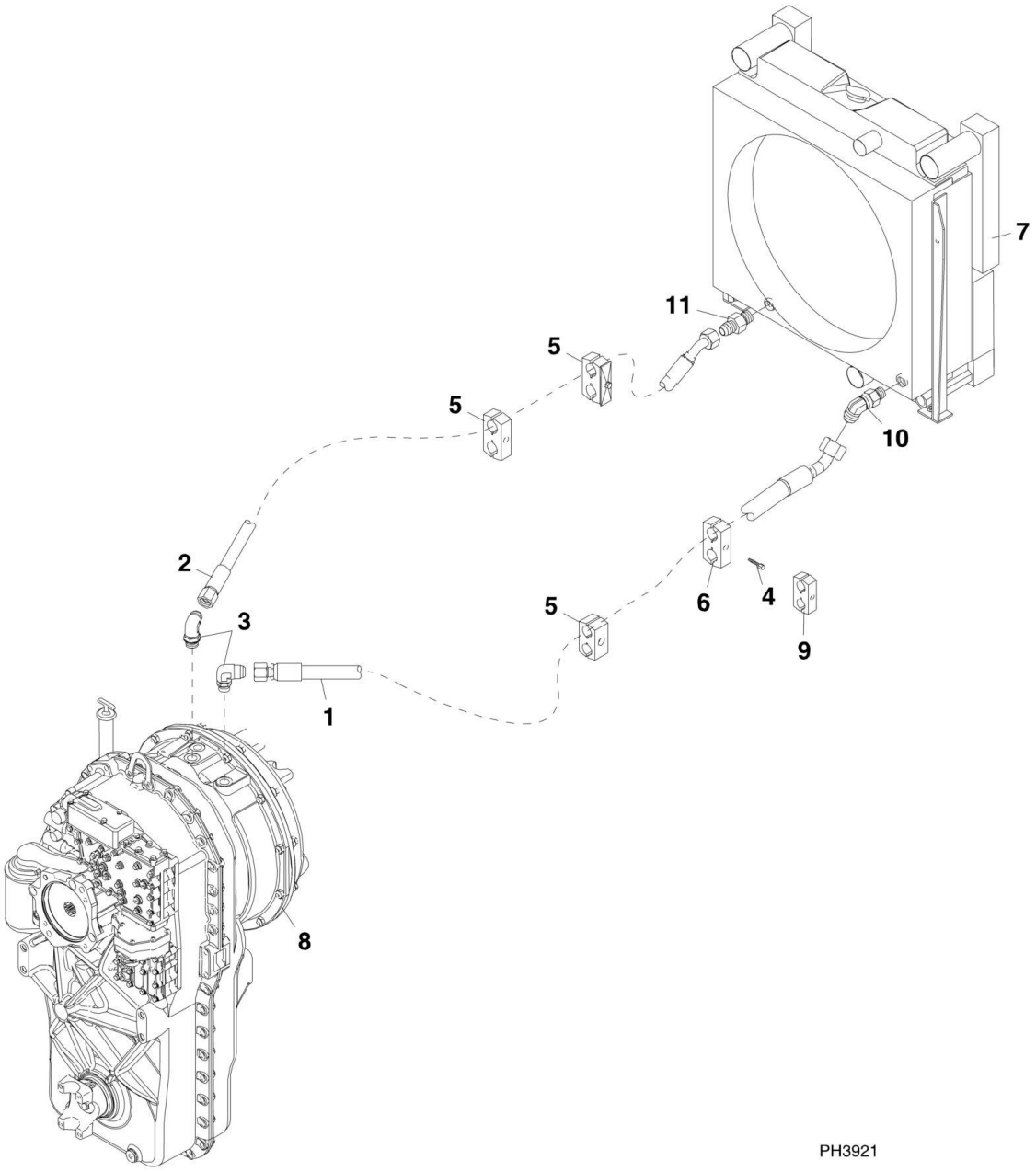


FIGURE 8-18. TRANSMISSION COOLER AND (8042 SN 0160029593 through 0160038983, Excluding 39850, 40126, 40127, 40128, 40129 and 40171; 10054 SN 0160029593 through 0160038983; 10042 SN 0160029607 through 0160038370)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001093136	1	HOSE ASSY	
2	1001093137	1	HOSE ASSY	
3	2131210	2	ELBOW, 90, (includes o-ring)	
4	8750026	1	STACKING BOLT	
5		Ref	TWIN CLAMP SET, (See ELECTRICAL SECTION for Breakdown)	
6	8750040	1	TWIN CLAMP SET	
7		Ref	TRANSMISSION OIL COOLER, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
8		Ref	TRANSMISSION, (See DRIVE TRAIN SECTION for Breakdown)	
9		Ref	TWIN CLAMP SET, (See ELECTRICAL SECTION for Breakdown)	
10	2151210	1	ELBOW, 45, (includes o-ring)	
11	2111210	1	CONNECTOR, (includes o-ring)	

FIGURE 8-19. TRANSMISSION COOLER (8042 SN 0160038984 through 0160040218, Excluding 39850, 40126, 40127, 40128, 40129 and 40171; 10054 SN 0160038984 through 0160040218, Excluding 39850, 40126, 40127, 40128, 40129 and 40171; 10042 SN 0160038371 through 0160040218, Excluding 39850, 40126, 40127, 40128, 40129 and 40171)

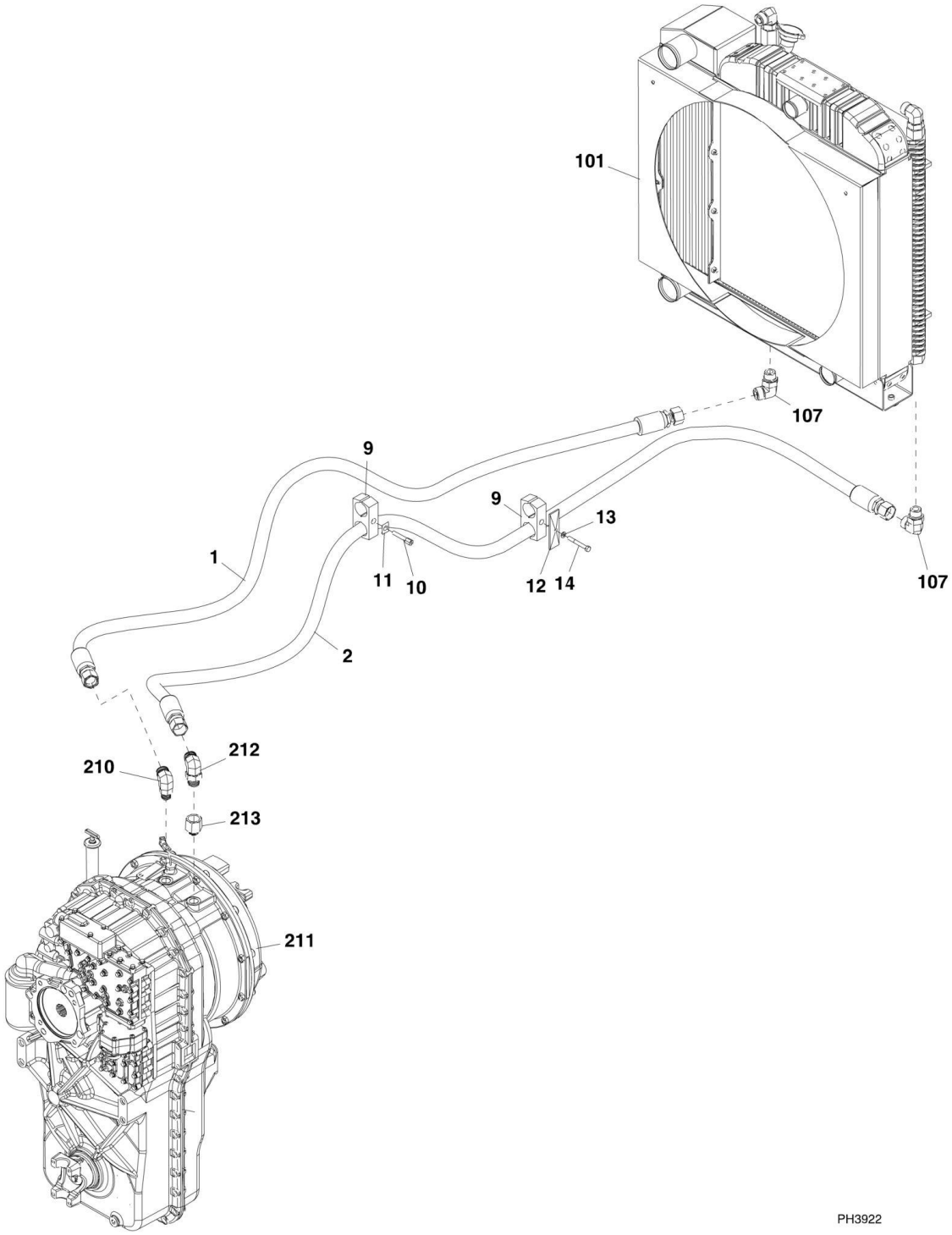


FIGURE 8-19. TRANSMISSION COOLER (8042 SN 0160038984 through 0160040218, Excluding 39850, 40126, 40127, 40128, 40129 and 40171; 10054 SN 0160038984 through 0160040218, Excluding 39850, 40126, 40127, 40128, 40129 and 40171; 10042 SN 0160038371 through 0160040218, Excluding 39850, 40126, 40127, 40128, 40129 and 40171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2755083	1	HOSE ASSY	
2	2755084	1	HOSE ASSY	
9	8750040	2	TWIN CLAMP SET	
10	8750026	1	STACKING BOLT	
11	8750017	1	LOCKING PLATE	
12	8750025	1	TWIN COVER PLATE	
13	8307004	1	LOCKWASHER, 5/16	
14	8303757	1	HEX HD CAPSCREW, 5/16-18X2-1/2, GR5	
101		Ref	RADIATOR, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
107		Ref	ELBOW, 90, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
210	2131210	1	ELBOW, 90, (includes o-ring)	
211		Ref	TRANSMISSION, (See DRIVE TRAIN SECTION for Breakdown)	
212	2131212	1	ELBOW, 90, (includes o-ring)	
213	8760548	1	ADAPTER, (includes o-ring)	

FIGURE 8-20. TRANSMISSION COOLER (SN 0160040220 through 0160045249, Including 0160045255, 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

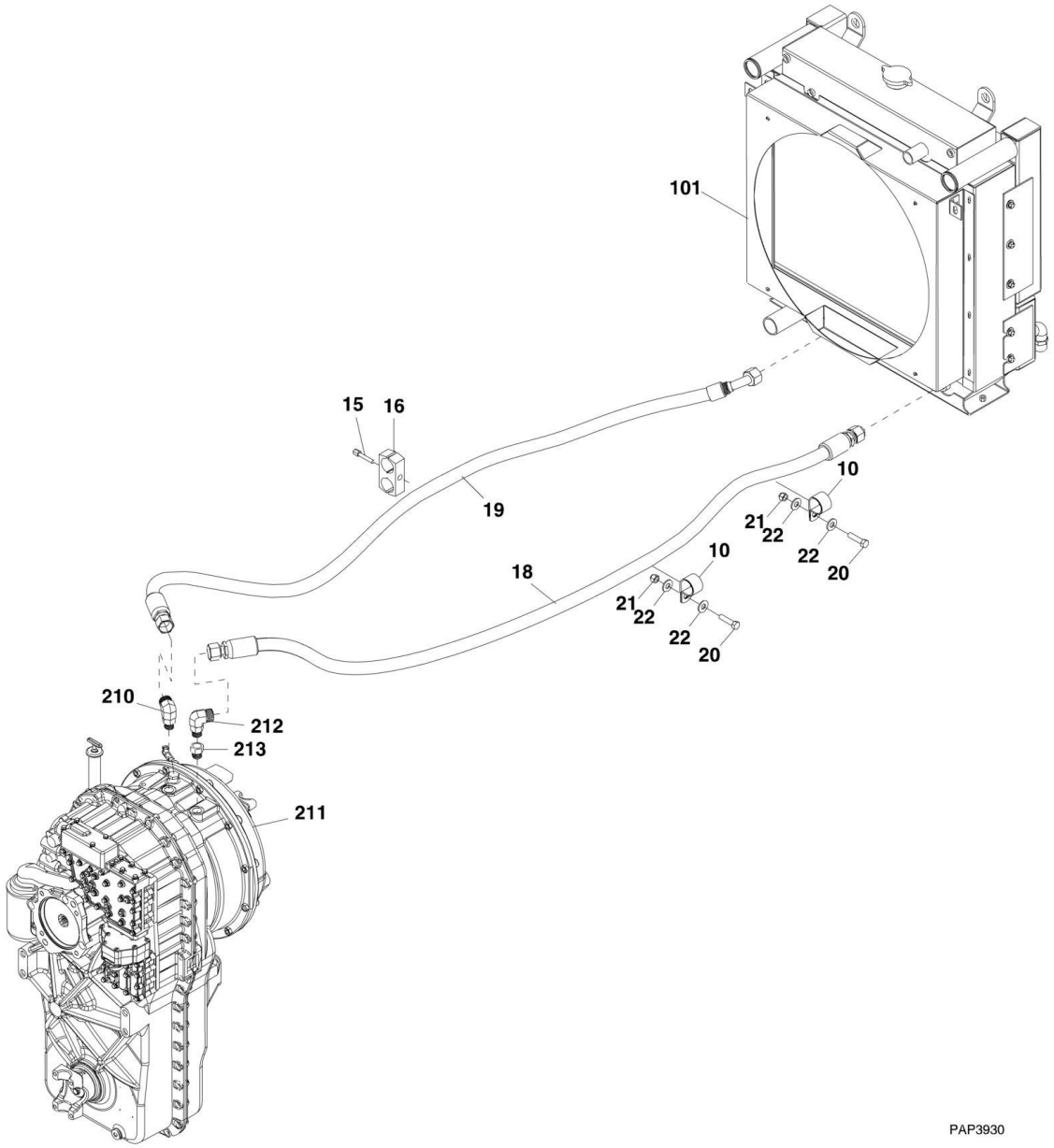


FIGURE 8-20. TRANSMISSION COOLER (SN 0160040220 through 0160045249, Including 0160045255, 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100220	Ref	TRANSMISSION COOLER PLUMBING INSTALL, (not available to order, see items 10 thru 22 for service)	B
10	8406302	2	HOSE CLAMP	
15	8750026	1	STACK BOLT	
16	8750040	1	CLAMP SET	
18	1001100222	1	TRANSMISSION HOSE ASSY, LH	
19	1001100223	1	TRANSMISSION HOSE ASSY, RH	
20	0641612	2	HEX HD CAPSCREW, 3/8-16X1-1/2, GR5	
21	8305645	2	HEX LOCKNUT, 3/8-16	
22	8310200	4	WASHER, 3/8	
101		Ref	RADIATOR ASSY, (See ENGINE AND ATTACHING PARTS SECTION for Break down)	
210	2131210	1	ADAPTER, 90, (includes o-ring)	
211		Ref	TRANSMISSION ASSY, (See DRIVE TRAIN SECTION for Breakdown)	
212	2131212	1	ADAPTER, 90, (includes o-ring)	
213	8760548	1	ADAPTER, STRAIGHT, (includes o-ring)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. EXTEND/RETRACT CYLINDER (8042 SN 13198 through 19987; 10042 SN 13198 through 18397; 10054 SN 13198 through 19987; SN 0160002332 through 0160045249, SN 0160002332 through 0160045249, Including 0160045255 and 0160045255)

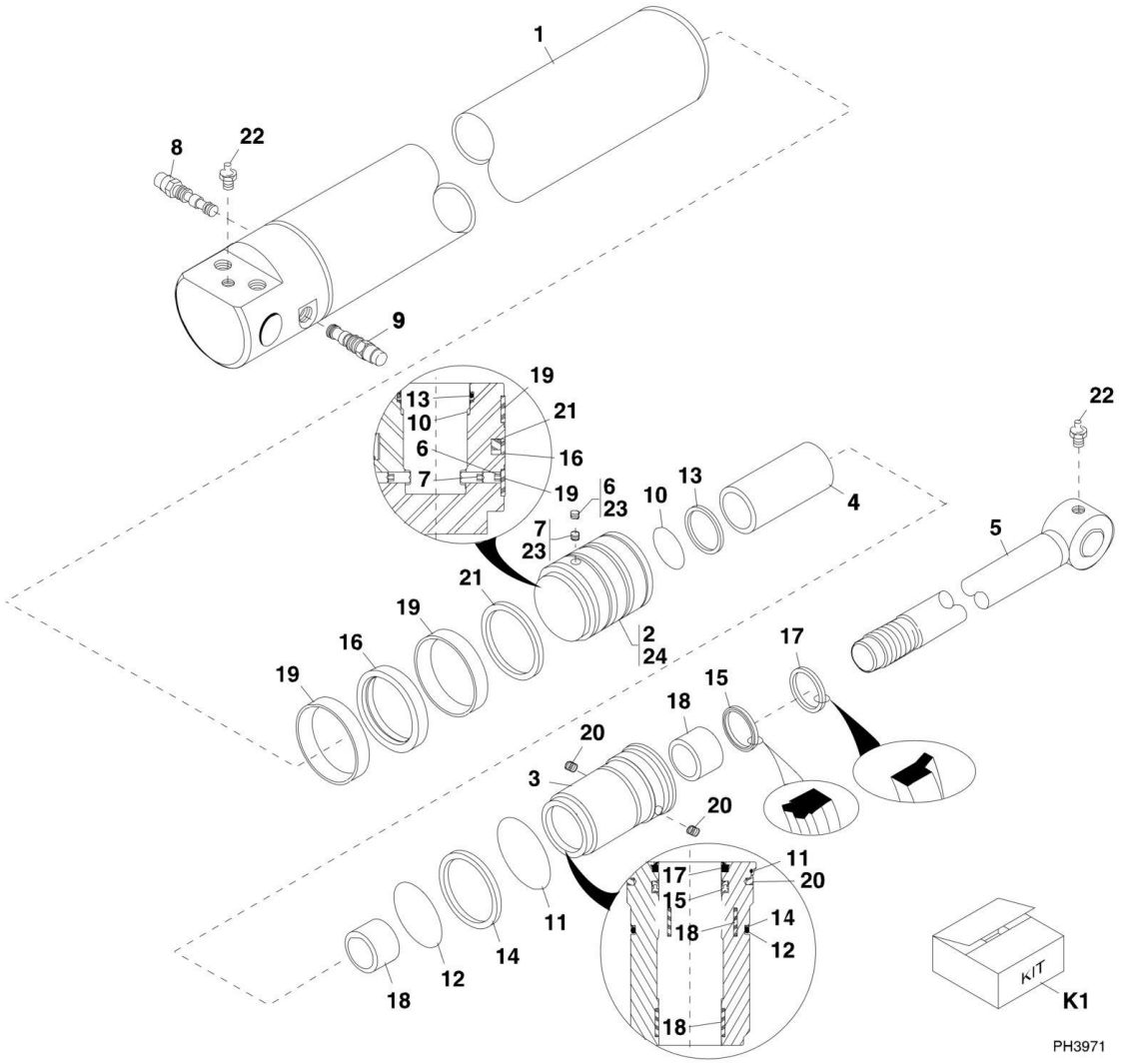


FIGURE 9-1. EXTEND/RETRACT CYLINDER (8042 SN 13198 through 19987; 10042 SN 13198 through 18397; 10054 SN 13198 through 19987; SN 0160002332 through 0160045249, SN 0160002332 through 0160045249, Including 0160045255 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716173	1	BOOM EXTEND/RETRACT CYLINDER, (includes items 1 thru 23)	G
1	NSS	1	TUBE WELDMENT	
2	8035800	1	PISTON, (Loctite and torque to 390-460 lb-ft)	
3	8035539	1	HEAD GLAND, (torque to 300-400 lb-ft)	
4	8035616	1	ROD SPACER	
5	8035615	1	ROD WELDMENT	
6	8035536	1	SET SCREW, 5/16-18X.50, (Loctite and torque to 9-11 lb-ft)	
7	8035315	1	SET SCREW, 5/16-18X.63, (Loctite and torque to 9-11 lb-ft)	
8	8035514	1	COUNTERBALANCE VALVE, 3500 PSI, (torque to 150-160 lb-ft)	
8	8205657	1	SEAL KIT	
9	8034026	1	PILOT TO OPEN CHECK VALVE, (torque to 150-160 lb-ft)	
9	8205657	1	SEAL KIT	
10	Kit	1	O-RING	
11	Kit	1	O-RING	
12	Kit	1	O-RING	
13	Kit	1	BACK-UP RING	
14	Kit	1	BACK-UP RING	
15	Kit	1	ROD SEAL	
16	Kit	1	PISTON SEAL	
17	Kit	1	WIPER SEAL	
18	Kit	2	WEARBAND	
19	Kit	2	WEARBAND	
20	Kit	2	LOCKING INSERT	
21	Kit	1	SQUARE RING	
22	8520013	2	GREASE FITTING	
23	8526007	1	LOCTITE 242, (apply to items 6 & 7)	
24	8526011	1	LOCTITE 271, (apply to item 2)	
K1	8036295	1	SEAL KIT, (includes items 10 thru 21)	

FIGURE 9-2. EXTEND/RETRACT CYLINDER (10042) (10042 SN 18398 through 19987; SN 0160002332 through 0160045249, Including 0160045255)

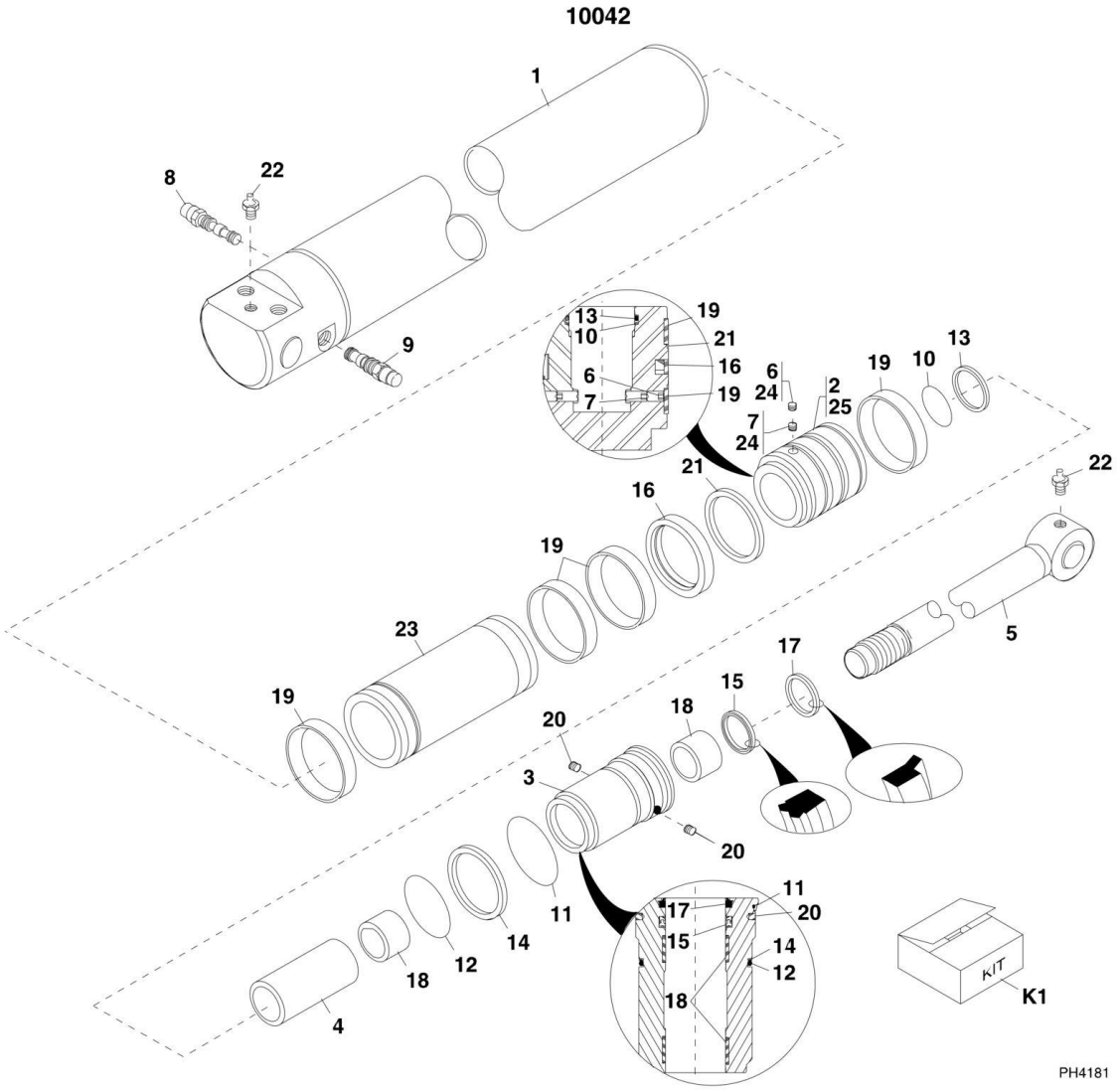


FIGURE 9-2. EXTEND/RETRACT CYLINDER (10042) (10042 SN 18398 through 19987; SN 0160002332 through 0160045249, Including 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717052	1	BOOM EXTEND/RETRACT CYLINDER, (includes items 1 thru 23)	
1	N.S.S.	1	TUBE WELDMENT	
2	8035800	1	PISTON, (Loctite and torque to 390-460 lb-ft)	
3	8035539	1	HEAD GLAND, (torque to 300-400 lb-ft)	
4	8035616	1	ROD SPACER	
5	8035615	1	ROD WELDMENT	
6	8035536	1	SET SCREW, 5/16-18X.50, (Loctite and torque to 9-11 lb-ft)	
7	8035315	1	SET SCREW, 5/16-18X.63, (Loctite and torque to 9-11 lb-ft)	
8	8035514	1	COUNTERBALANCE VALVE, 3500 PSI, (torque to 150-160 lb-ft)	
8	8205657	1	SEAL KIT	
9	8034026	1	PILOT TO OPEN CHECK VALVE, (torque to 150-160 lb-ft)	
9	8205657	1	SEAL KIT	
10	Kit	1	O-RING	
11	Kit	1	O-RING	
12	Kit	1	O-RING	
13	Kit	1	BACK-UP RING	
14	Kit	1	BACK-UP RING	
15	Kit	1	ROD SEAL	
16	Kit	1	PISTON SEAL	
17	Kit	1	WIPER SEAL	
18	Kit	2	WEARBAND	
19	Kit	4	WEARBAND	
20	Kit	2	LOCKING INSERT	
21	Kit	1	SQUARE RING	
22	8520013	2	GREASE FITTING	
23	7026579	1	SPACER	
24	8526007	1	LOCTITE 242, (apply to items 6 & 7)	
25	8526011	1	LOCTITE 271, (apply to item 2)	
K1	8036295	1	SEAL KIT, (includes items 10 thru 21)	

FIGURE 9-3. LIFT/LOWER CYLINDER (8042 SN 13198 through 19145; 10042 SN 13198 through 19241; 10054 SN 13198 through 19113)

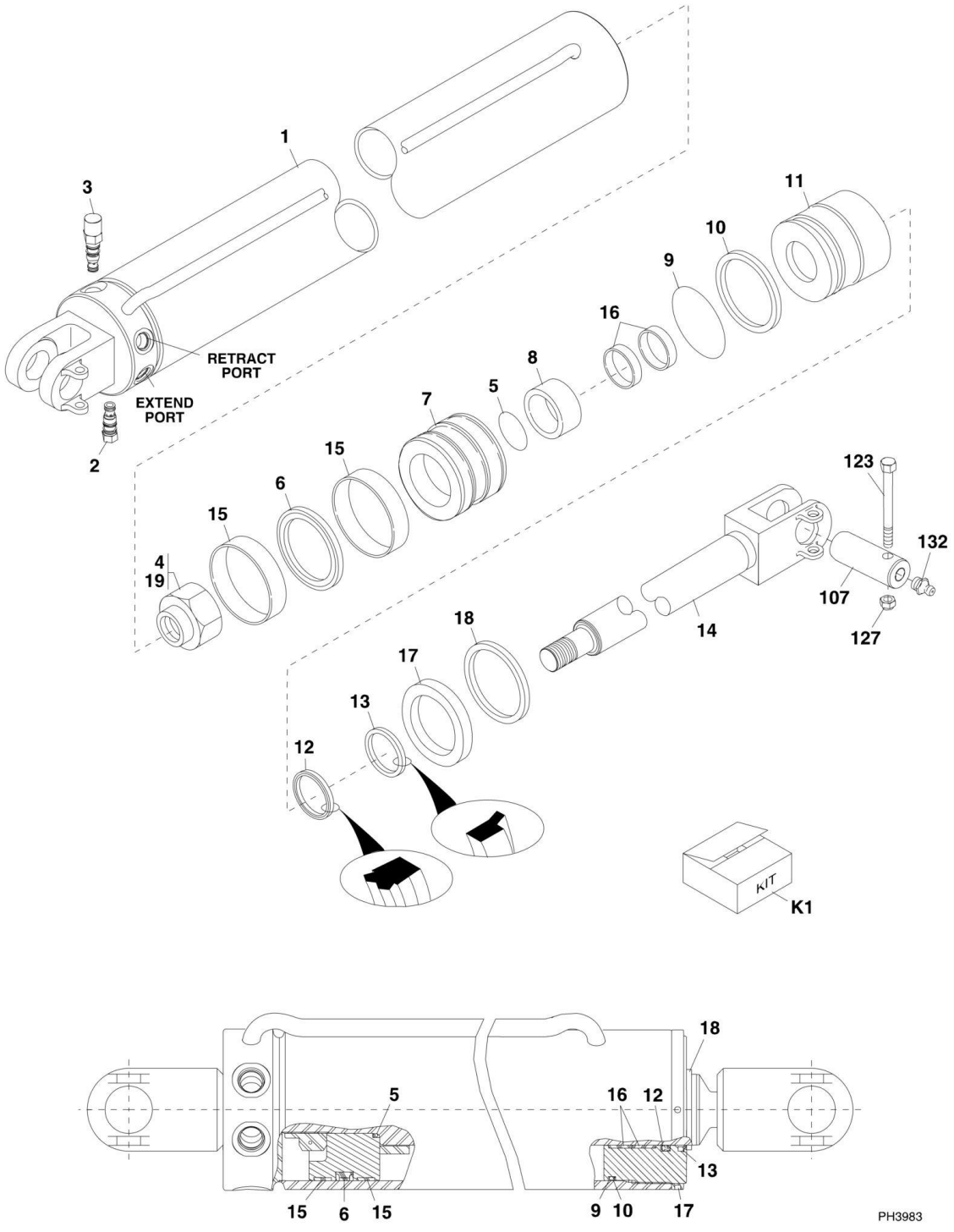


FIGURE 9-3. LIFT/LOWER CYLINDER (8042 SN 13198 through 19145; 10042 SN 13198 through 19241; 10054 SN 13198 through 19113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716617	2	BOOM LIFT/LOWER CYLINDER, (includes items 1 thru 18)	C, N
1	N.S.S.	1	TUBE WELDMENT	
2	8036750	1	CHECK VALVE, 4000 ± 50 PSI, (torque to 30-35 lb-ft)	
2	2900770	1	SEAL KIT	
3	8035321	1	COUNTERBALANCE VALVE, 4000 ± 50 PSI	
3	8035327	1	SEAL KIT	
4	8035308	1	LOCKNUT, (Loctite and torque to 1750-2000 lb-ft)	
5	Kit	1	O-RING	
6	Kit	1	PISTON SEAL	
7	8035545	1	PISTON	
8	8035608	1	ROD SPACER	
9	Kit	1	O-RING	
10	Kit	1	BACK-UP RING	
11	8035609	1	GLAND	
12	Kit	1	ROD SEAL	
13	Kit	1	WIPER	
14	8035607	1	ROD	
15	Kit	2	WEARBAND	
16	Kit	2	WEARBAND	
17	8035610	1	LOCKING COLLAR, (torque to 300-400 lb-ft)	
18	8036168	1	SQUARE RING	
19	8526011	AR	LOCTITE 271, (apply to item 4)	
107	3423227	2	CYLINDER PIN	
123	8303782	2	HEX HD CAPSCREW, 1/2-13X4, GR5	
127	8305644	2	HEX LOCKNUT, 1/2-13	
132	8520003	2	LUBE FITTING, 90	
K1	8035386	1	SEAL KIT, (includes items 5, 6, 9, 10, 12, 13, 15 & 16)	
N1	Note	Ref	QUANTITIES SHOWN ARE FOR ONE CYLINDER ONLY.	

FIGURE 9-4. LIFT/LOWER CYLINDER (8042 SN 19146 through 19987, SN 0160002332 through 0160004653; 10042 SN 19242 through 19987, SN 0160002332 through 0160004259; 10054 SN 19114 through 19987, SN 0160002332 through 0160004654)

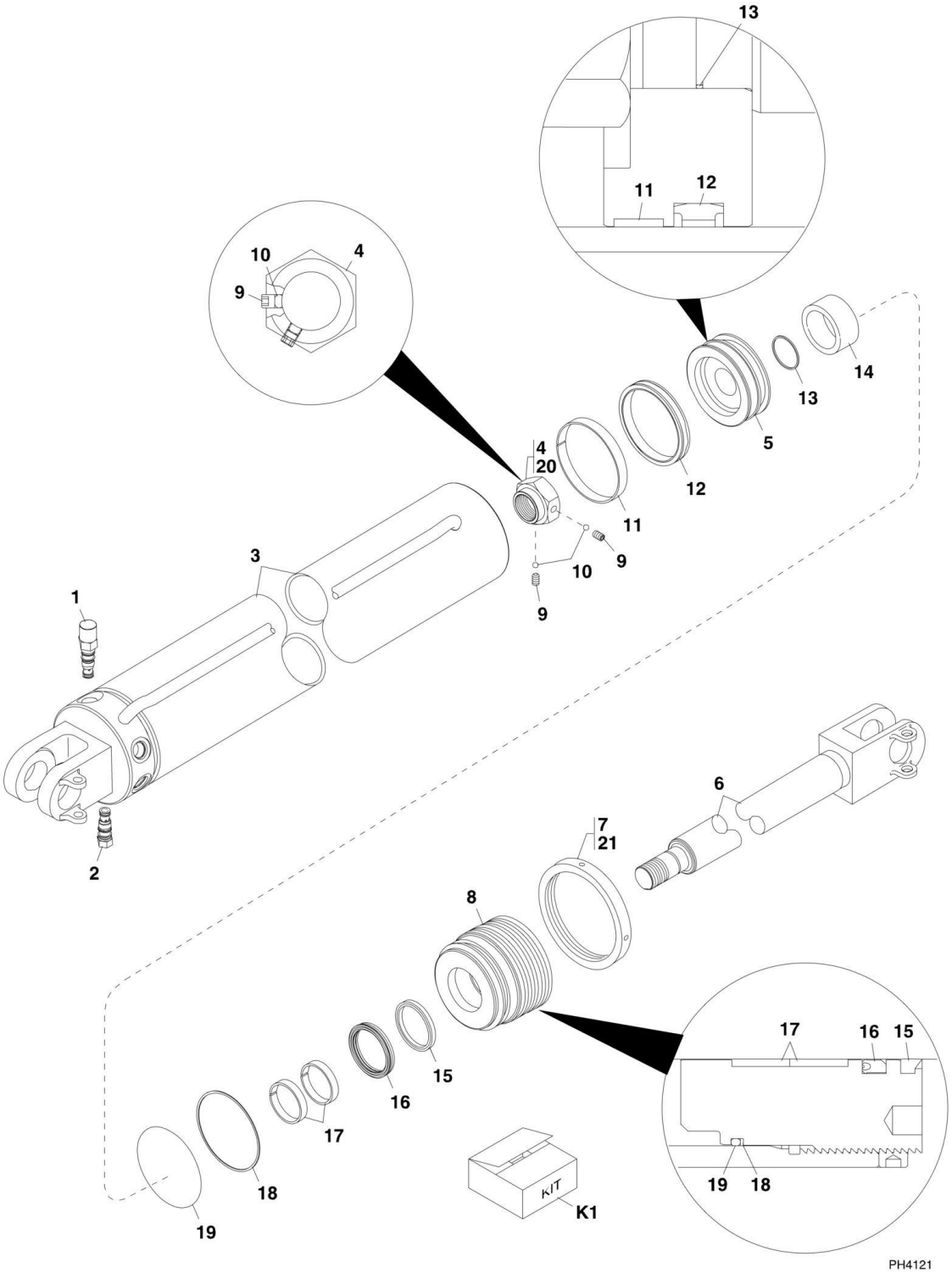


FIGURE 9-4. LIFT/LOWER CYLINDER (8042 SN 19146 through 19987, SN 0160002332 through 0160004653; 10042 SN 19242 through 19987, SN 0160002332 through 0160004259; 10054 SN 19114 through 19987, SN 0160002332 through 0160004654)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717199	2	BOOM LIFT/LOWER CYLINDER, (includes items 1 thru 19)	
1	8035321	1	COUNTERBALANCE VALVE, 4000 ± 50 PSI, (torque to 30-35 lb-ft)	
1	8035327	1	SEAL KIT	
2	8036750	1	PO CHECK VALVE, 4000 ± 50 PSI, (torque to 30-35 lb-ft)	
2	2900770	1	SEAL KIT	
3	N.S.S.	1	TUBE WELDMENT	
4	8036536	1	SPECIAL NUT, 1-3/4-12, (lubricate and torque to 1735-1885 lb-ft)	
5	8036808	1	PISTON	
6	8036813	1	ROD WELDMENT	
7	8036815	1	LOCKING COLLAR, (lubricate and torque to 300-400 lb-ft)	
8	8036814	1	HEAD GLAND	
9	8036537	2	SET SCREW, 3/8-16X3/8	
10	Kit	2	NYLON BALL	
11	Kit	1	PRECISION WEARBAND	
12	Kit	1	CAPPED T-SEAL	
13	Kit	1	O-RING	
14	Kit	1	ROD TUBE SPACER	
15	Kit	1	WIPER RING	
16	Kit	1	Z-SEAL	
17	Kit	2	PRECISION WEARBAND	
18	Kit	1	BACK-UP RING	
19	Kit	1	O-RING	
20	8526011	AR	LOCTITE 271, (apply to item 4)	
21	8526007	AR	LOCTITE 242, (apply to item 7)	
K1	8036746	1	SEAL KIT, (includes items 10 thru 19)	
N1	Note	Ref	QUANTITIES SHOWN ARE FOR ONE CYLINDER ONLY.	

FIGURE 9-5. LIFT/LOWER CYLINDER (8042 SN 0160004670 through 0160014285; 10042 SN 0160004673 through 0160015021; 10054 SN 0160004667 through 0160015024)

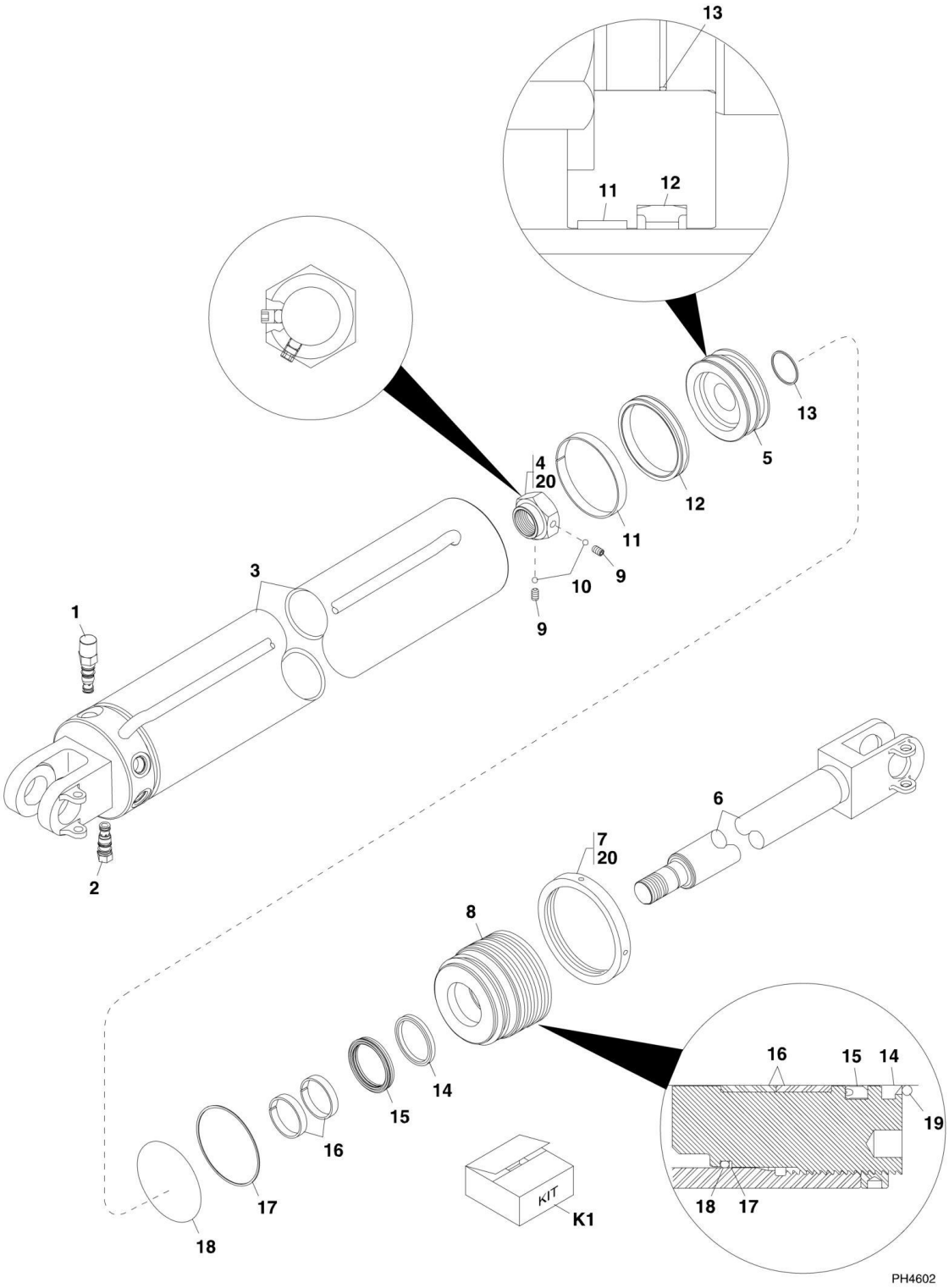


FIGURE 9-5. LIFT/LOWER CYLINDER (8042 SN 0160004670 through 0160014285; 10042 SN 0160004673 through 0160015021; 10054 SN 0160004667 through 0160015024)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717259	2	BOOM LIFT/LOWER CYLINDER, (includes items 1 thru 19)	
1	7029327	1	COUNTERBALANCE VALVE, 4000 ± 50 PSI, (torque to 30-35 lb-ft)	
1	7029330	1	SEAL KIT	
2	7029328	1	PO CHECK VALVE, 4000 ± 50 PSI, (torque to 30-35 lb-ft)	
2	8025655	1	SEAL KIT	
3	70023270	1	TUBE WELDMENT	
4	8036536	1	SPECIAL NUT, 1-3/4-12, (lubricate and torque to 1735-1885 lb-ft)	
5	8036808	1	PISTON	
6	7029329	1	ROD WELDMENT	
7	8036815	1	LOCKING COLLAR, (lubricate and torque to 300-400 lb-ft)	
8	8036814	1	HEAD GLAND	
9	8036537	2	SET SCREW, 3/8-16X3/8	
10	Kit	2	NYLON BALL	
11	Kit	1	PRECISION WEARBAND	
12	Kit	1	CAPPED T-SEAL	
13	Kit	1	O-RING	
14	Kit	1	WIPER RING	
15	Kit	1	Z-SEAL	
16	Kit	2	PRECISION WEARBAND	
17	Kit	1	BACK-UP RING	
18	Kit	1	O-RING	
19	7029159	1	O-RING	
20	8526011	AR	LOCTITE 271, (apply to item 4 & 7)	
K1	8036746	1	SEAL KIT, (includes items 10 thru 18)	
N1	Note	Ref	QUANTITIES SHOWN ARE FOR ONE CYLINDER ONLY.	

FIGURE 9-6. LIFT/LOWER CYLINDER (8042 SN 0160015042 through 0160030716; 10042 SN 0160015195 through 0160030708; 10054 SN 0160015044 through 0160030712)

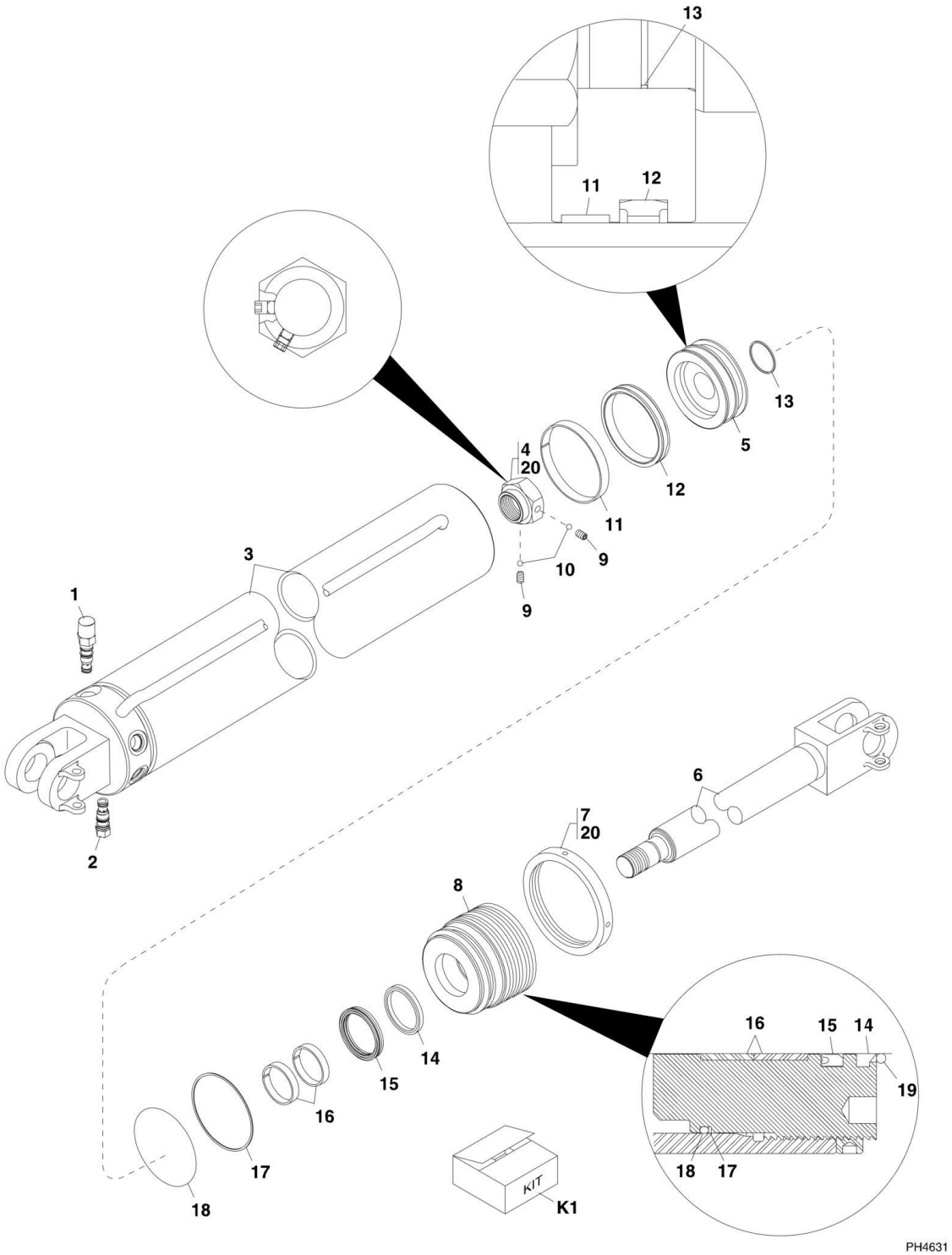


FIGURE 9-6. LIFT/LOWER CYLINDER (8042 SN 0160015042 through 0160030716; 10042 SN 0160015195 through 0160030708; 10054 SN 0160015044 through 0160030712)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1684448	2	BOOM LIFT/LOWER CYLINDER, (includes items 1 thru 19)	
1	7029327	1	COUNTERBALANCE VALVE, 4000 ± 50 PSI, (torque to 30-35 lb-ft)	
1	7029330	1	SEAL KIT	
2	7029328	1	PO CHECK VALVE, 4000 ± 50 PSI, (torque to 30-35 lb-ft)	
2	8025655	1	SEAL KIT	
3	N.S.S.	1	TUBE WELDMENT	
4	8036536	1	SPECIAL NUT, 1-3/4-12, (Loctite and torque to 1735-1885 lb-ft)	
5	8036808	1	PISTON	
6	7029329	1	ROD WELDMENT	
7	8036815	1	LOCKING COLLAR, (Loctite and torque to 300-400 lb-ft)	
8	8036814	1	HEAD GLAND	
9	8036537	2	SET SCREW, 3/8-16X3/8	
10	Kit	2	NYLON BALL	
11	Kit	1	PRECISION WEARBAND	
12	Kit	1	CAPPED T-SEAL	
13	Kit	1	O-RING	
14	Kit	1	WIPER RING	
15	Kit	1	Z-SEAL	
16	Kit	2	PRECISION WEARBAND	
17	Kit	1	BACK-UP RING	
18	Kit	1	O-RING	
19	7029159	1	O-RING	
20	8526011	AR	LOCTITE 271, (apply to item 4 & 7)	
K1	8036746	1	SEAL KIT, (includes items 10 thru 18)	
N1	Note	Ref	QUANTITIES SHOWN ARE FOR ONE CYLINDER ONLY.	

FIGURE 9-7. LIFT/LOWER (8042 SN 0160030721 through 0160045249; 10042 SN 0160030767 through 0160045249; 10054 SN 0160030719 through 0160045249; Including 0160045255, 0160045255 and 0160045255)

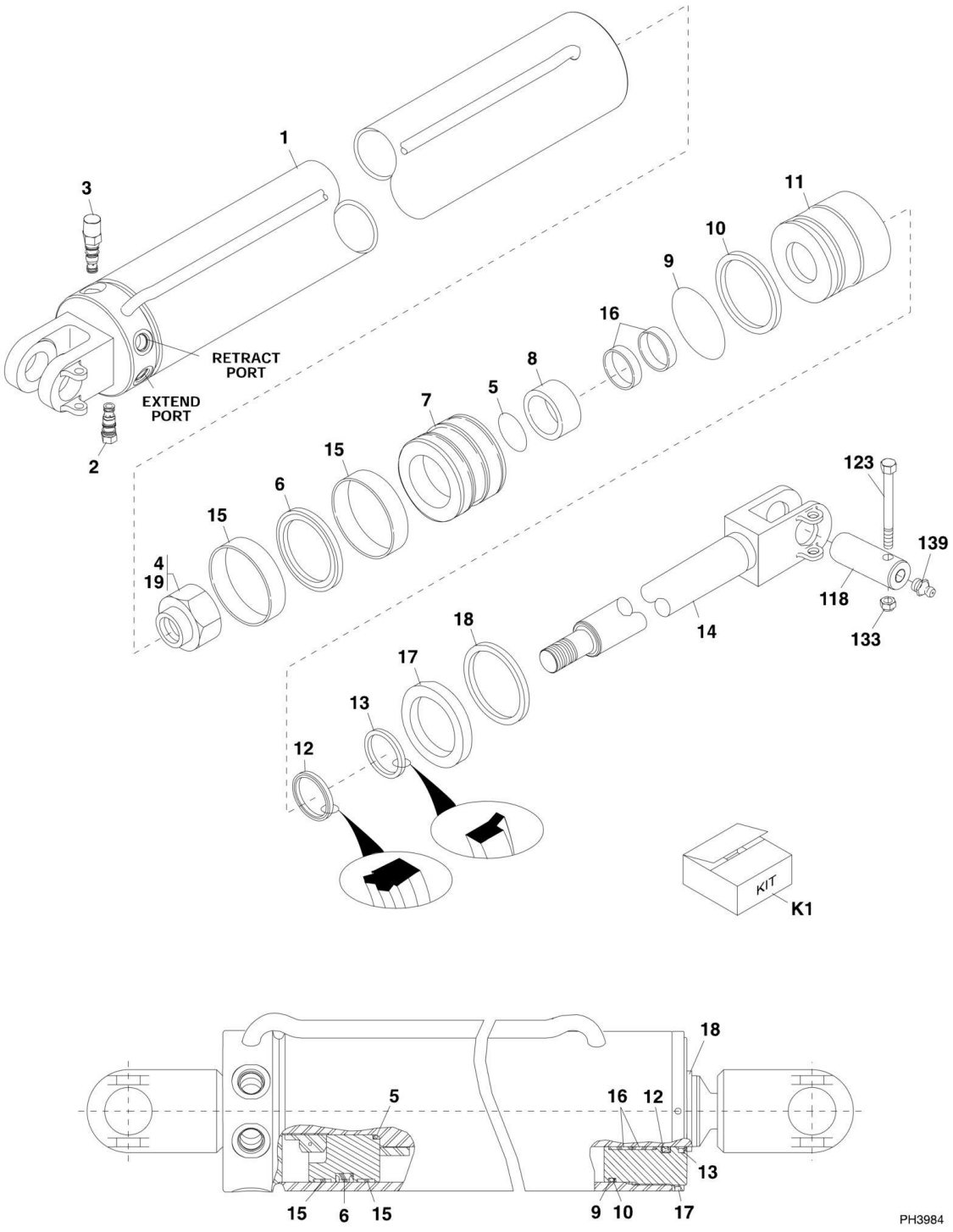


FIGURE 9-7. LIFT/LOWER (8042 SN 0160030721 through 0160045249; 10042 SN 0160030767 through 0160045249; 10054 SN 0160030719 through 0160045249; Including 0160045255, 0160045255 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716617	2	BOOM LIFT/LOWER CYLINDER, (includes items 1 thru 18)	
1	N.S.S.	1	TUBE WELDMENT	
2	8036750	1	CHECK VALVE, 4000 ± 50 PSI, (torque to 30-35 lb-ft)	
2	2900770	1	SEAL KIT	
3	8035321	1	COUNTERBALANCE VALVE, 4000 ± 50 PSI	
3	8035327	1	SEAL KIT	
4	7026972	1	LOCKNUT, (Loctite and torque to 1750-2000 lb-ft)	
5	Kit	1	O-RING	
6	Kit	1	PISTON SEAL	
7	8035545	1	PISTON	
8	8035608	1	ROD SPACER	
9	Kit	1	O-RING	
10	Kit	1	BACK-UP RING	
11	8035609	1	GLAND	
12	Kit	1	ROD SEAL	
13	Kit	1	WIPER	
14	8035607	1	ROD	
15	Kit	2	WEARBAND	
16	Kit	2	WEARBAND	
17	8035610	1	LOCKING COLLAR, (torque to 300-400 lb-ft)	
18	8036168	1	SQUARE RING	
19	8526011	AR	LOCTITE 271, (apply to item 4)	
118	3423227	1	CYLINDER PIN	
123	8303782	1	HEX HD CAPSCREW, 1/2-13X4, GR5	
133	8305644	1	LOCKNUT, 1/2-13	
139	8520003	1	LUBE FITTING, 90	
K1	8035386	1	SEAL KIT, (includes items 5, 6, 9, 10, 12, 13, 15 & 16)	
N1	Note	Ref	QUANTITIES SHOWN ARE FOR ONE CYLINDER ONLY.	

FIGURE 9-8. ATTACHMENT TILT CYLINDER (8042 SN 13198 through 19791; 10042 SN 13198 through 19788; 10054 SN 13198 through 19745)

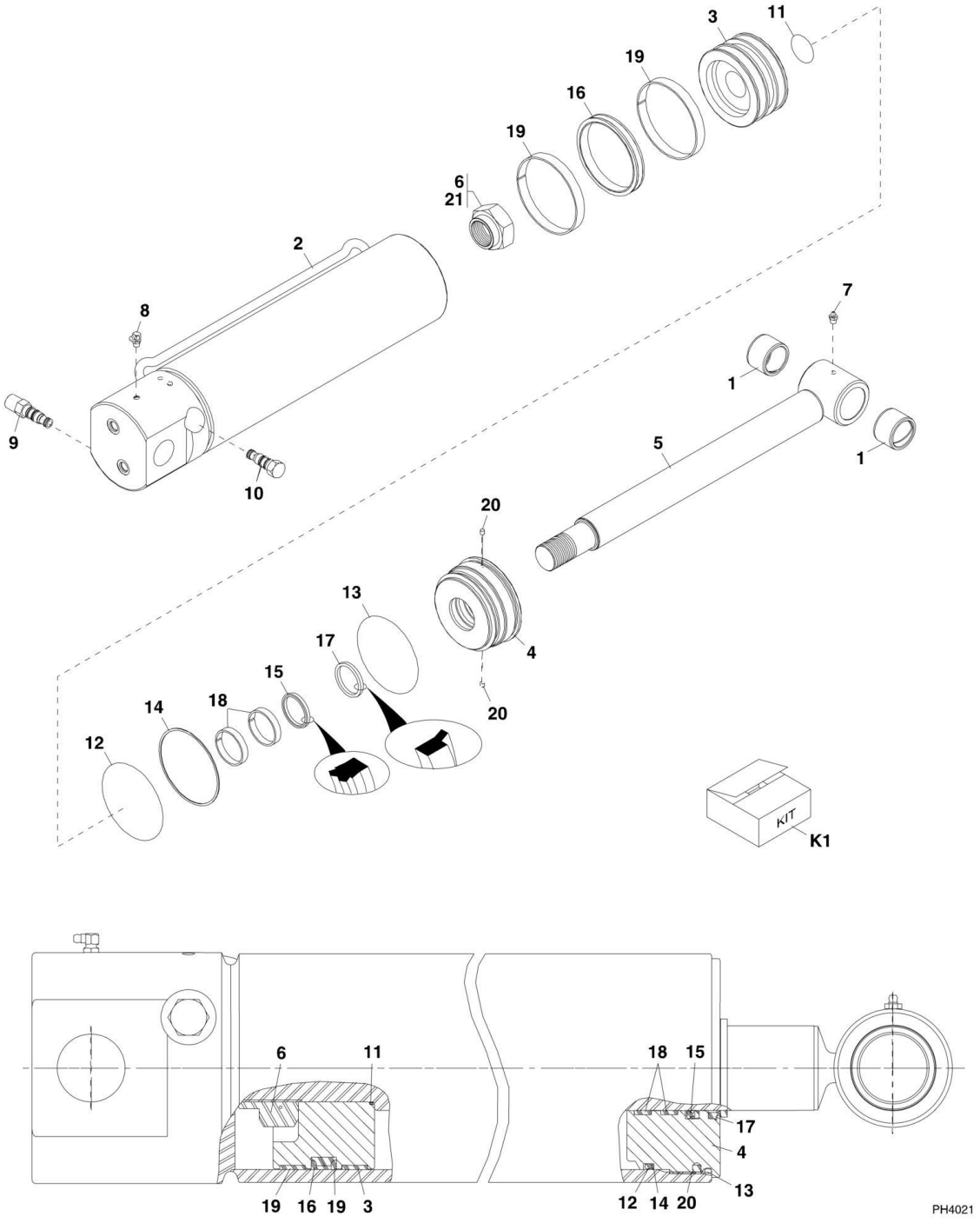


FIGURE 9-8. ATTACHMENT TILT CYLINDER (8042 SN 13198 through 19791; 10042 SN 13198 through 19788; 10054 SN 13198 through 19745)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716618	1	ATTACHMENT TILT CYLINDER, (includes items 1 thru 20)	H
1	7089722	AR	BEARING (SOLID DIAMETER)	
1	70031092	AR	BEARING (SPRING TOOTH DESIGN)	
2	N.S.S.	1	TUBE WELDMENT	
3	8036147	1	PISTON	
4	8036146	1	GLAND	
5	8036145	1	ROD WELDMENT	
6	8035308	1	LOCKNUT, 2-12, (Loctite and torque to 1850-2000 lb-ft)	
7	8520013	1	LUBE FITTING, STRAIGHT	
8	8520021	1	LUBE FITTING, 90	
9	8035321	1	COUNTERBALANCE VALVE, 4000 PSI, (torque to 30-35 lb-ft)	
9	8035327	1	SEAL KIT	
10	8036750	1	PO CHECK VALVE, (torque to 30-35 lb-ft)	
10	2900770	1	SEAL KIT	
11	Kit	1	O-RING	
12	Kit	1	O-RING	
13	Kit	1	O-RING	
14	Kit	1	BACK-UP RING	
15	Kit	1	DEEP Z-SEAL	
16	Kit	1	CAPPED T-SEAL	
17	Kit	1	WIPER SEAL	
18	Kit	2	PRECISION WEARBAND	
19	Kit	2	PRECISION WEARBAND	
20	Kit	2	LOCKING INSERT	
21		Ref	LOCTITE 271, (apply to item 6)	
K1	8035780	1	SEAL KIT, (includes items 11 thru 20)	

FIGURE 9-9. ATTACHMENT TILT CYLINDER (8042 SN 19792 through 19987, SN 0160002332 through 0160004653; 10042 SN 19789 through 19987, SN 0160002332 through 0160004558; 10054 SN 19746 through 19987, SN 0160002332 through 0160006099)

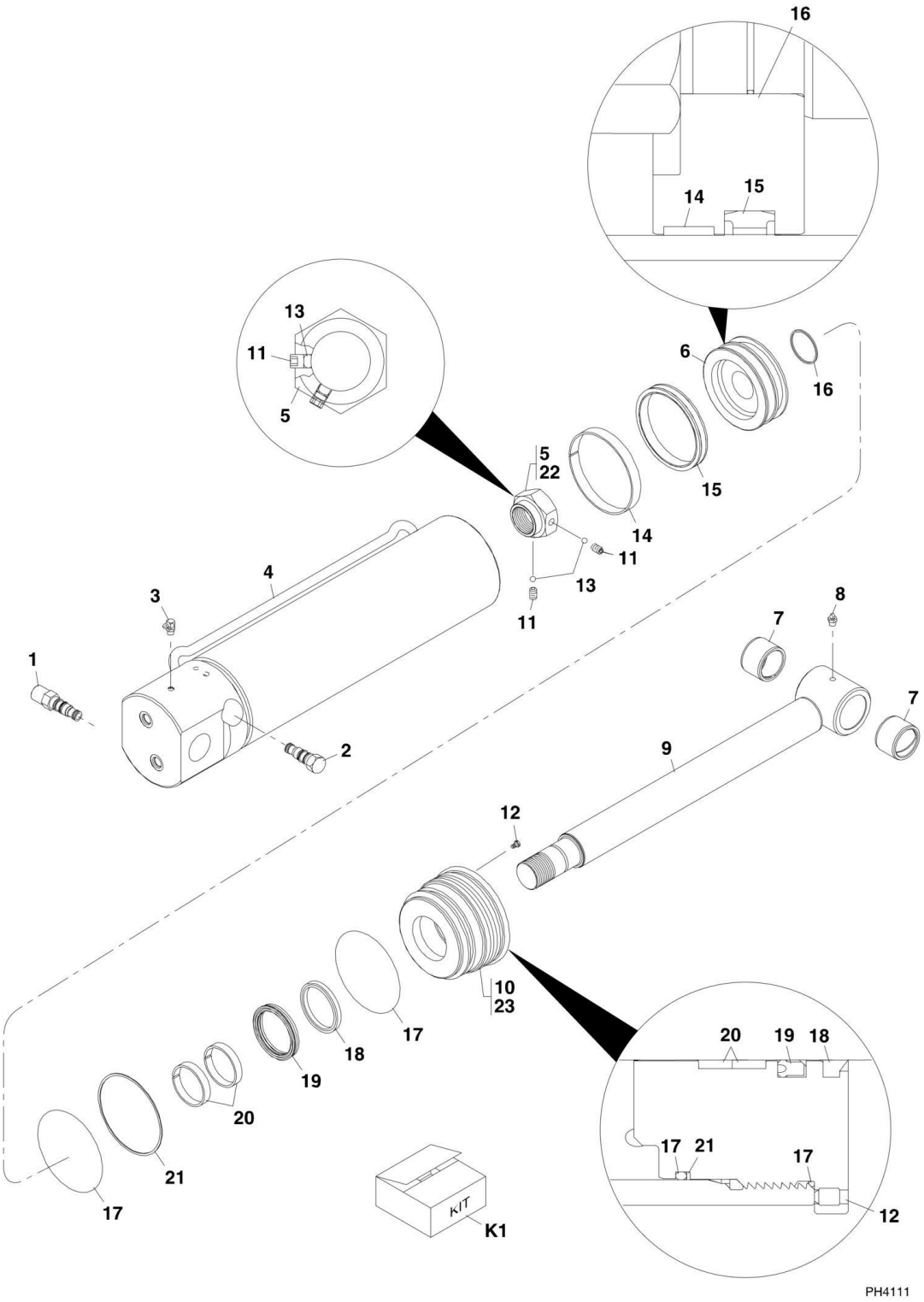


FIGURE 9-9. ATTACHMENT TILT CYLINDER (8042 SN 19792 through 19987, SN 0160002332 through 0160004653; 10042 SN 19789 through 19987, SN 0160002332 through 0160004558; 10054 SN 19746 through 19987, SN 0160002332 through 0160006099)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717203	1	ATTACHMENT TILT CYLINDER, (includes items 1 thru 21)	
1	8035321	1	COUNTERBALANCE VALVE, 4000 PSI, (torque 30-35 lb-ft)	
1	8035327	1	SEAL KIT	
2	8036750	1	CHECK VALVE, 4000 ± 50 PSI, (torque 30-35 lb-ft)	
2	2900770	1	SEAL KIT	
3	8036824	1	LUBE FITTING, 90	
4	N.S.S.	1	TUBE WELDMENT	
5	8036536	1	SPECIAL NUT, 1-3/4-12, (Loctite and torque to 1735-1885 lb-ft)	
6	8036808	1	PISTON	
7	8036829	2	BEARING	
8	8036823	1	LUBE FITTING, STRAIGHT	
9	8036809	1	ROD WELDMENT	
10	8036810	1	HEAD GLAND, (Loctite and torque to 250-350 lb-ft)	
11	8036537	2	SET SCREW, 3/8-16X3/8	
12	8036811	1	SET SCREW, 1/4-20X3/8	
13	8036538	2	NYLON BALL	
14	Kit	1	PRECISION WEARBAND	
15	Kit	1	CAPPED T-SEAL	
16	Kit	1	O-RING	
17	Kit	2	O-RING	
18	Kit	1	WIPER RING	
19	Kit	1	Z-SEAL	
20	Kit	2	PRECISION WEARBAND	
21	Kit	1	BACKUP RING	
22	8526011	AR	LOCTITE 271, (apply to item 5)	
23	8526007	AR	LOCTITE 242, (apply to item 10)	
K1	8036786	1	SEAL KIT, (includes items 14 thru 21)	

FIGURE 9-10. ATTACHMENT TILT CYLINDER (8042 SN 0160004670 through 0160045249; 10042 SN 0160004673 through 0160045249; 10054 SN 0160006120 through 0160045249; Including 0160045255, 0160045255 and 0160045255)

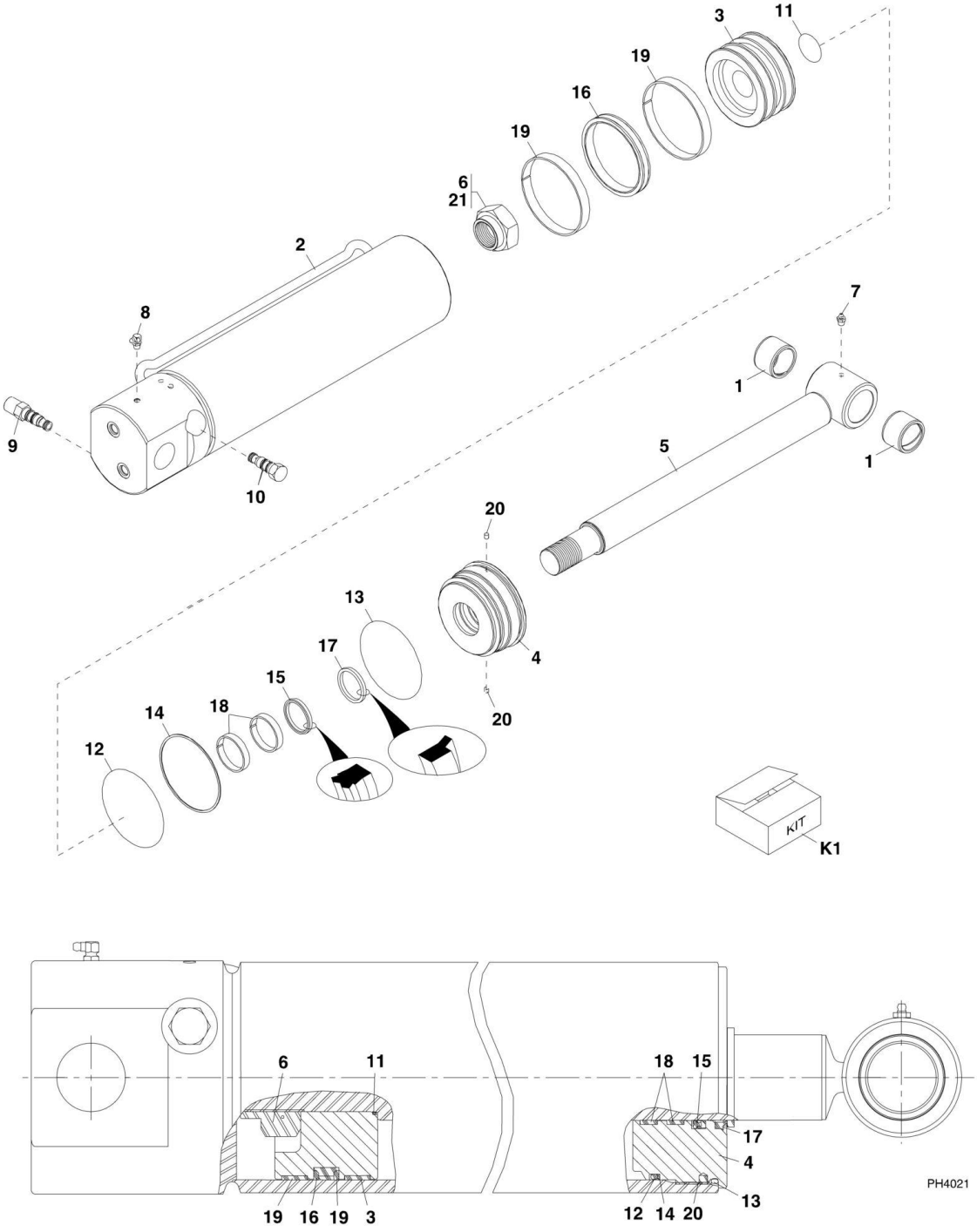


FIGURE 9-10. ATTACHMENT TILT CYLINDER (8042 SN 0160004670 through 0160045249; 10042 SN 0160004673 through 0160045249; 10054 SN 0160006120 through 0160045249; Including 0160045255, 0160045255 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716618	1	ATTACHMENT TILT CYLINDER, (includes items 1 thru 20)	I
1	7089722	2	BEARING	
2	8036148	1	TUBE WELDMENT	
3	8036147	1	PISTON	
4	8036146	1	GLAND, (torque to 500-600 lb-ft)	
5	8036145	1	ROD WELDMENT	
6	8035308	1	LOCKNUT, 2-12, (Loctite and torque to 1850-2000 lb-ft)	
7	8520013	1	LUBE FITTING, STRAIGHT	
8	8520021	1	LUBE FITTING, 90	
9	8035321	1	COUNTERBALANCE VALVE, 4000 PSI, (torque to 30-35 lb-ft)	
9	8035327	1	SEAL KIT	
10	8036750	1	PO CHECK VALVE, (torque to 30-35 lb-ft)	
10	2900770	1	SEAL KIT	
11	Kit	1	O-RING	
12	Kit	1	O-RING	
13	Kit	1	O-RING	
14	Kit	1	BACK-UP RING	
15	Kit	1	DEEP Z-SEAL	
16	Kit	1	CAPPED T-SEAL	
17	Kit	1	WIPER SEAL	
18	Kit	2	PRECISION WEARBAND	
19	Kit	2	PRECISION WEARBAND	
20	Kit	2	LOCKING INSERT	
21		Ref	LOCTITE 271, (apply to item 6)	
K1	8035780	1	SEAL KIT, (includes items 11 thru 20)	

FIGURE 9-11. FRAME SWAY CYLINDER (8042 SN 13198 through 19987, SN 0160002332 through 0160004653; 10042 SN 13198 through 19987, SN 0160002332 through 0160004558; 10054 SN 13198 through 19987, SN 0160002332 through 0160004654)

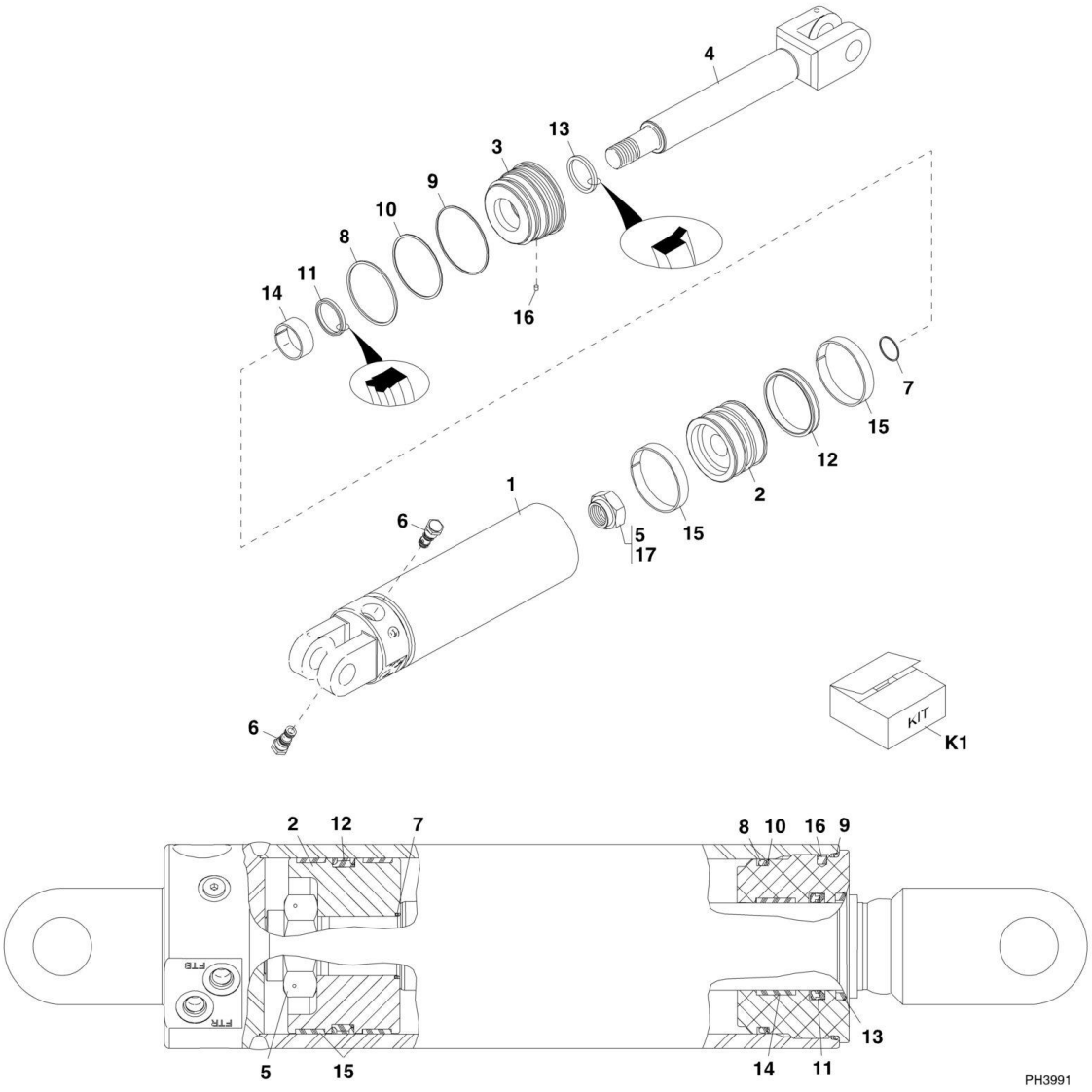
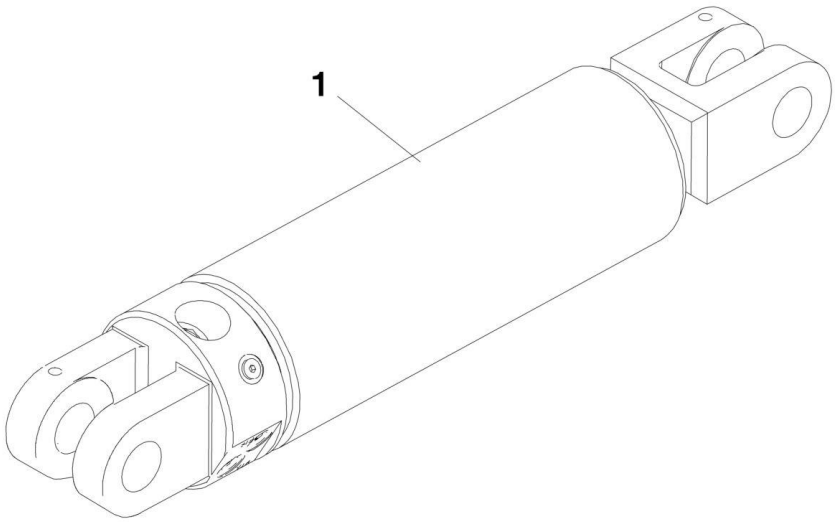


FIGURE 9-11. FRAME SWAY CYLINDER (8042 SN 13198 through 19987, SN 0160002332 through 0160004653; 10042 SN 13198 through 19987, SN 0160002332 through 0160004558; 10054 SN 13198 through 19987, SN 0160002332 through 0160004654)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716563	1	FRAME SWAY CYLINDER, (includes items 1 thru 16)	C
1	N.S.S.	1	TUBE WELDMENT	
2	8035323	1	PISTON	
3	8035324	1	HEAD GLAND, (torque to 300-400 lb-ft)	
4	8035758	1	ROD WELDMENT	
5	8035322	1	HEX LOCKNUT, 1.5-12, (Loctite and torque to 1100-1250 lb-ft)	
6	8035757	2	PO CHECK VALVE, SERIES 10, (torque to 35-40 lb-ft)	
6	8035327	1	SEAL KIT	
7	Kit	1	O-RING	
8	Kit	1	O-RING	
9	Kit	1	O-RING	
10	Kit	1	BACK-UP RING	
11	Kit	1	DEEP Z-SEAL	
12	Kit	1	CAPPED T-SEAL	
13	Kit	1	SEAL WIPER	
14	Kit	1	PRECISION WEARBAND	
15	Kit	2	PRECISION WEARBAND	
16	Kit	1	LOCKING INSERT	
17	8526011	AR	LOCTITE 271	
K1	8035326	1	SEAL KIT, (includes items 7 thru 16)	

FIGURE 9-12. FRAME SWAY CYLINDER (8042 SN 0160004670 through 0160005649; 10042 SN 0160004673 through 0160005333; 10054 SN 0160004673 through 0160005650)



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FIGURE 9-12. FRAME SWAY CYLINDER (8042 SN 0160004670 through 0160005649; 10042 SN 0160004673 through 0160005333; 10054 SN 0160004673 through 0160005650)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2717216	Ref	FRAME SWAY CYLINDER, (no service parts available, use 2716563 for replacement)	B

FIGURE 9-13. FRAME SWAY CYLINDER (8042 SN 0160005695 through 0160045249; 10042 SN 0160005669 through 0160045249; 10054 SN 0160005697 through 0160045249; Including 0160045255, 0160045255 and 0160045255)

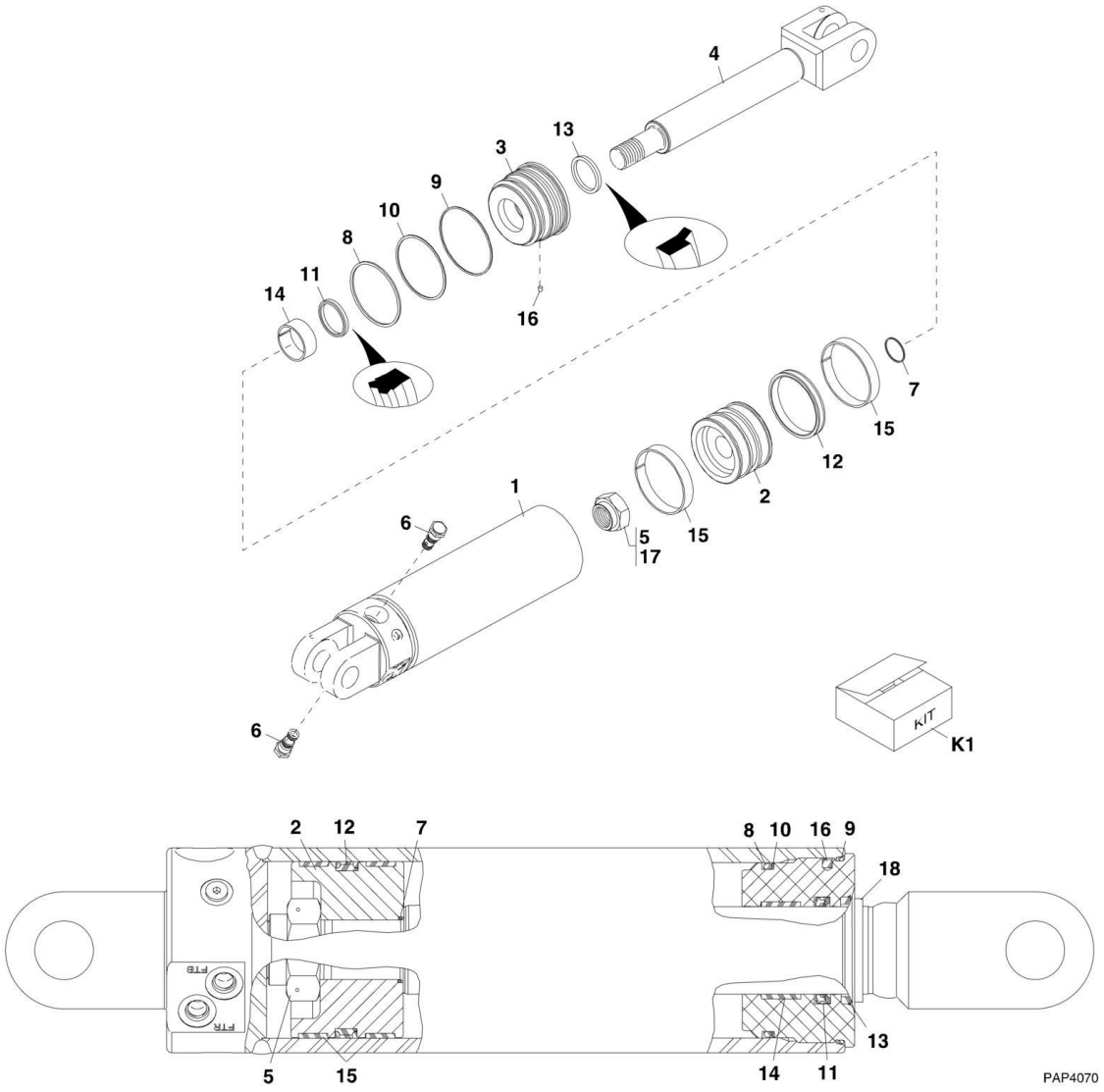


FIGURE 9-13. FRAME SWAY CYLINDER (8042 SN 0160005695 through 0160045249; 10042 SN 0160005669 through 0160045249; 10054 SN 0160005697 through 0160045249; Including 0160045255, 0160045255 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716563	1	FRAME SWAY CYLINDER, (includes items 1 thru 16 & item 18)	C
1	N.S.S.	1	TUBE WELDMENT	
2	8035323	1	PISTON	
3	8035324	1	HEAD GLAND, (torque to 300-400 lb-ft)	
4	8035758	1	ROD WELDMENT	
5	8035322	1	HEX LOCKNUT, 1.5-12, (Loctite and torque to 1100-1250 lb-ft)	
6	8035757	2	PO CHECK VALVE, SERIES 10, (torque to 35-40 lb-ft)	
6	8035327	1	SEAL KIT	
7	Kit	1	O-RING	
8	Kit	1	O-RING	
9	Kit	1	O-RING	
10	Kit	1	RING, BACK-UP	
11	Kit	1	DEEP Z-SEAL	
12	Kit	1	CAPPED T-SEAL	
13	Kit	1	SEAL WIPER	
14	Kit	1	PRECISION WEARBAND	
15	Kit	2	PRECISION WEARBAND	
16	Kit	1	LOCKING INSERT	
17	8526011	AR	LOCTITE 271	
18	70021564	1	SQUARE RING	
K1	8035326	1	SEAL KIT, (includes items 7 thru 16)	

FIGURE 9-14. STABIL-TRAK CYLINDER (8042 SN 13198 through 19145; 10042 SN 13198 through 19241; 10054 SN 13198 through 19113)

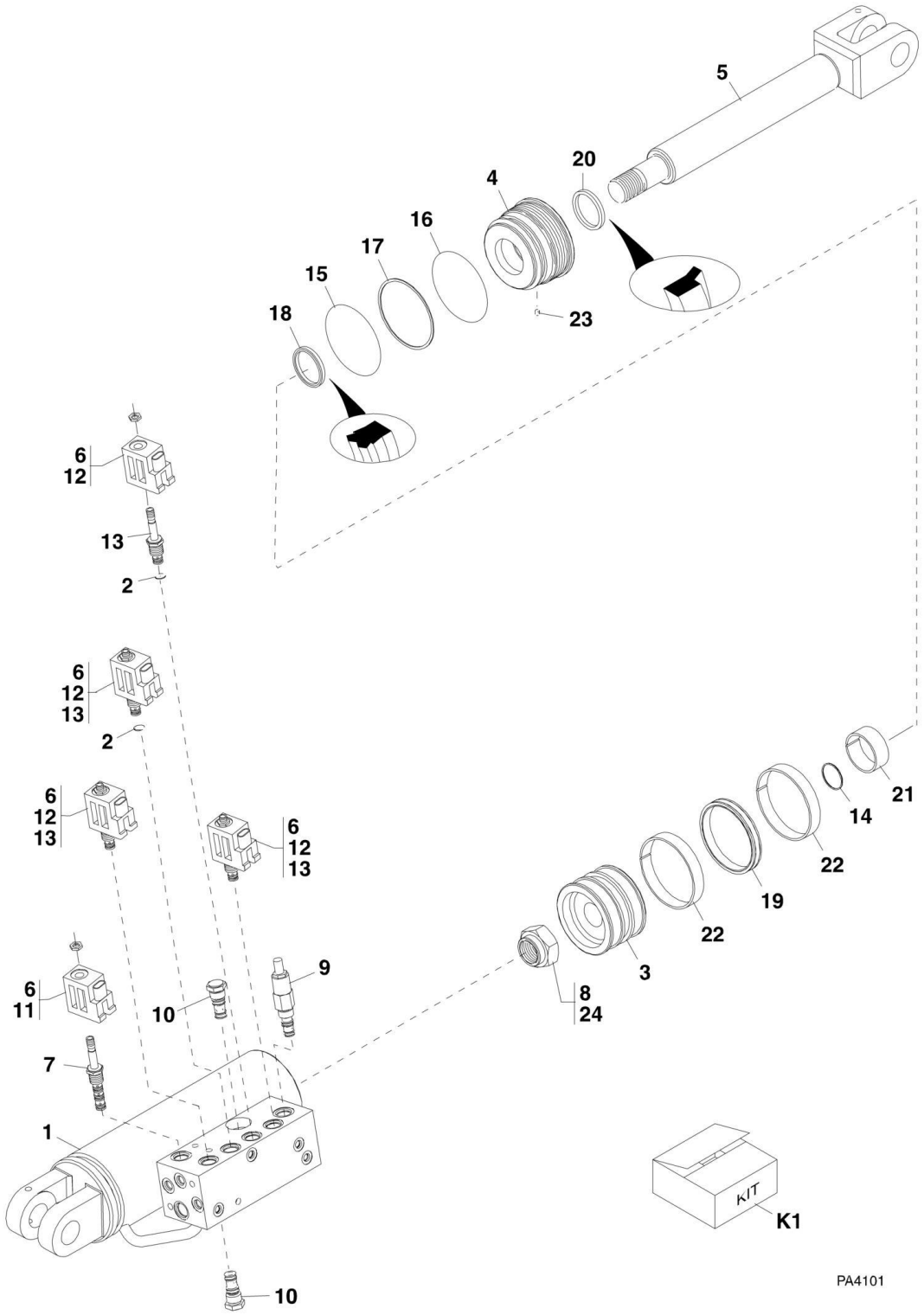


FIGURE 9-14. STABIL-TRAK CYLINDER (8042 SN 13198 through 19145; 10042 SN 13198 through 19241; 10054 SN 13198 through 19113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716564	1	STABIL-TRAK CYLINDER, (includes items 1 thru 23)	
1	N.S.S.	1	TUBE WELDMENT	
2	8035781	2	CONICAL ORIFICE DISK, 0.06 DIA	
3	8035323	1	PISTON, (torque to 300-400 lb-ft)	
4	8035324	1	HEAD GLAND	
5	8035783	1	ROD WELDMENT	
6	8036288	5	SOLENOID COIL	
7	8036290	1	SOLENOID VALVE CARTRIDGE	
8	8035322	1	LOCKNUT, 1.5-12, (Loctite and torque to 1100-1250 lb-ft)	
9	8035282	1	PRESSURE REDUCING VALVE, (100), (torque to 35-40 lb-ft)	
9	8032994	1	SEAL KIT	
10	8035281	2	PO CHECK VALVE, SERIES 10, (torque to 35-40 lb-ft)	
10	8036192	1	SEAL KIT	
11	8036020	1	SOLENOID VALVE, 4 WAY, 12V, (includes items 6 & 7), (includes nut), (torque to 25-30 lb-ft)	
11	8036195	1	SEAL KIT	
12	8036019	4	SOLENOID VALVE, 2 WAY, 12V, (includes items 6 & 13), (includes nut), (torque to 25-30 lb-ft)	
12	8034037	1	SEAL KIT	
13	8036289	4	SOLENOID VALVE CARTRIDGE	
14	Kit	1	O-RING	
15	Kit	1	O-RING	
16	Kit	1	O-RING	
17	Kit	1	BACK-UP RING	
18	Kit	1	DEEP Z-SEAL	
19	Kit	1	CAPPED T-SEAL	
20	Kit	1	WIPER SEAL	
21	Kit	1	PRECISION WEARBAND	
22	Kit	2	PRECISION WEARBAND	
23	Kit	1	LOCKING INSERT	
24	8526011	1	LOCTITE 271, (apply to item 8)	
K1	8035326	1	SEAL KIT, (includes items 14 thru 23)	

FIGURE 9-15. STABIL-TRAK CYLINDER (8042 SN 19146 through 19987; 10042 SN 19242 through 19987; 10054 SN 19114 through 19987; SN 0160002332 through 0160045249, SN 0160002332 through 0160045249, SN 0160002332 through 0160045249, Including 0160045255, 0160045255 and 0160045255)

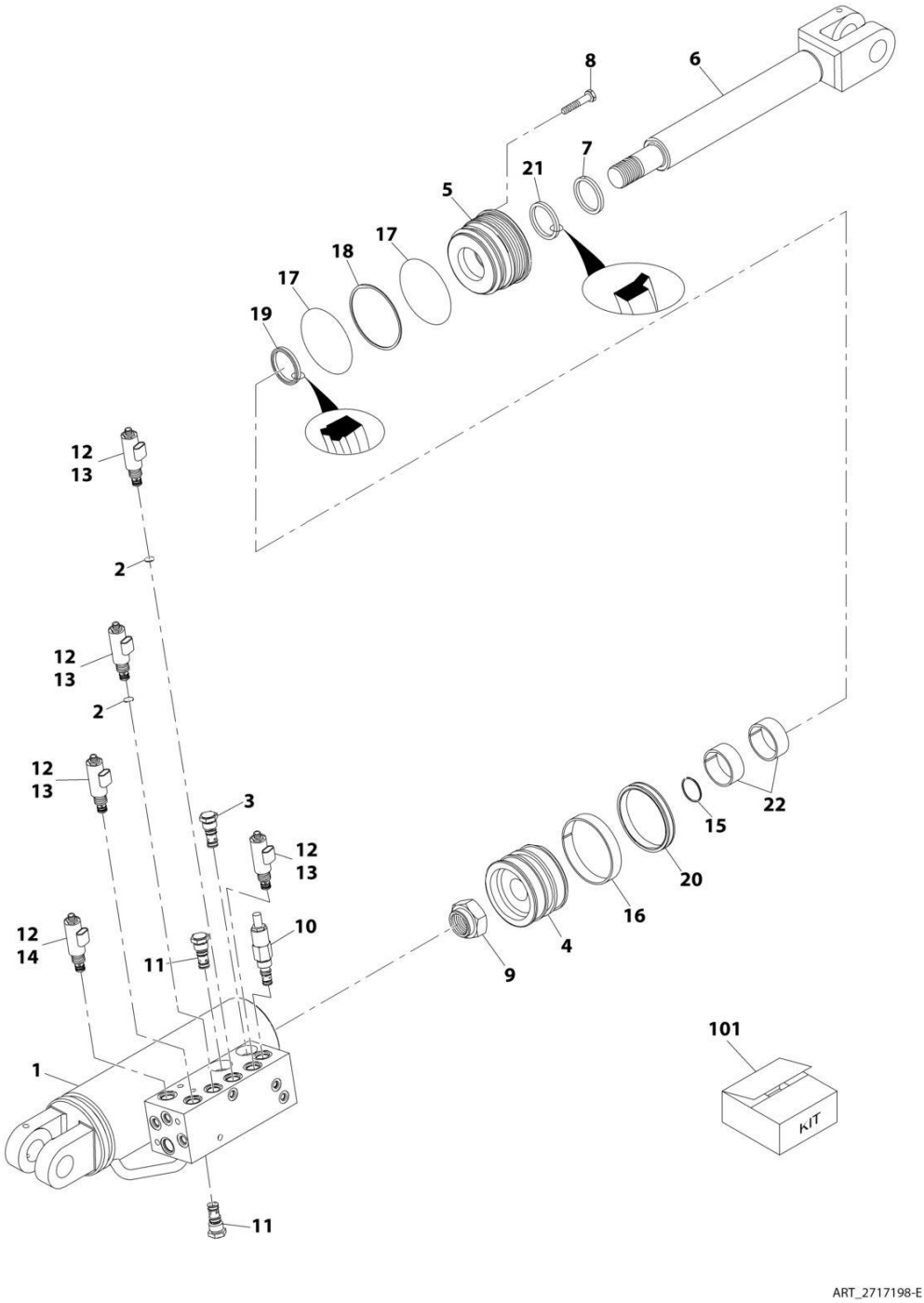


FIGURE 9-15. STABIL-TRAK CYLINDER (8042 SN 19146 through 19987; 10042 SN 19242 through 19987; 10054 SN 19114 through 19987; SN 0160002332 through 0160045249, SN 0160002332 through 0160045249, SN 0160002332 through 0160045249, Including 0160045255, 0160045255 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717198	Ref	STABIL-TRAK CYLINDER	E
1	N.S.S.	1	WELDMENT, TUBE	
2	8035781	2	DISK, CONICAL ORIFICE	
3	8036582	1	VALVE, CHECK	
3	7017496	1	KIT, SEAL	
4	8036826	1	PISTON	
5	8036828	1	GUIDE	
6	8036827	1	WELDMENT, ROD	
7	7029153	1	O-RING	
8	8036811	1	SCREW, SET 1/4-20X3/8	
9	8036825	1	NUT, LOCK 1-1/2-12	
10	8035282	1	VALVE, PRESSURE REDUCING	
10	8032994	1	KIT, SEAL	
11	8035281	2	VALVE, P.O. CHECK	
11	8036192	2	KIT, SEAL	
12	7029246	5	COIL, SOLENOID	
13	8036581	4	VALVE, SOLENOID 2-WAY 12V	
13	7017496	4	KIT, SEAL	
14	8036580	1	VALVE, SOLENOID 4-WAY 12V	
14	7012903	1	KIT, SEAL	
15	Kit	1	O-RING	
16	Kit	1	RING, WEAR	
17	Kit	2	O-RING	
18	Kit	1	RING, BACK-UP	
19	Kit	1	Z-SEAL, DEEP	
20	Kit	1	T-SEAL, CAPPED	
21	Kit	1	RING, WIPER	
22	Kit	2	RING, WEAR	
101	8036747	1	KIT, SEAL (includes items 15 thru 22)	

FIGURE 9-16. SLAVE CYLINDER (8042 SN 13198 through 19987, SN 0160002332 through 0160003866; 10042 SN 13198 through 19987, SN 0160002332 through 0160003858; 10054 SN 13198 through 19987, SN 0160002332 through 0160003864)

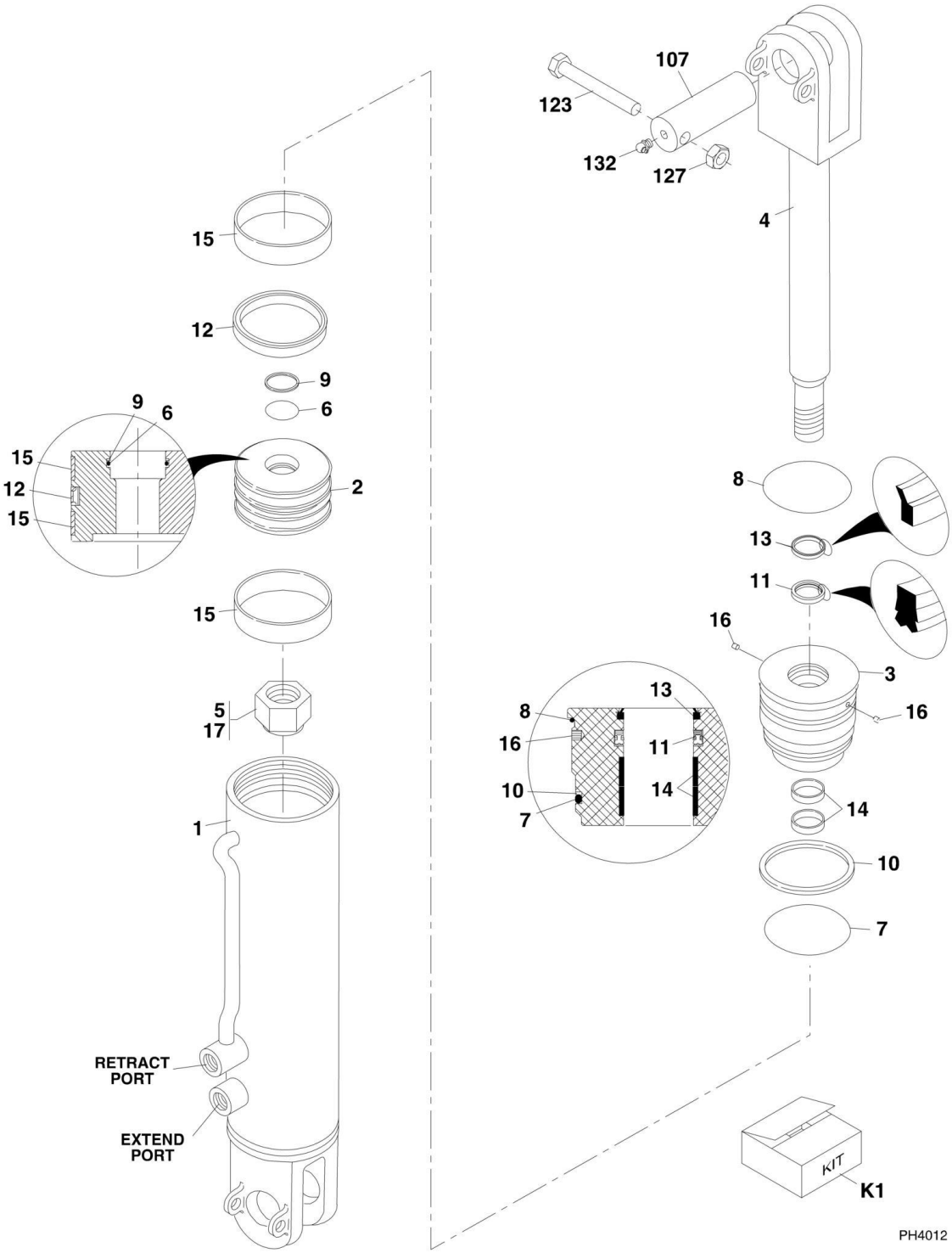
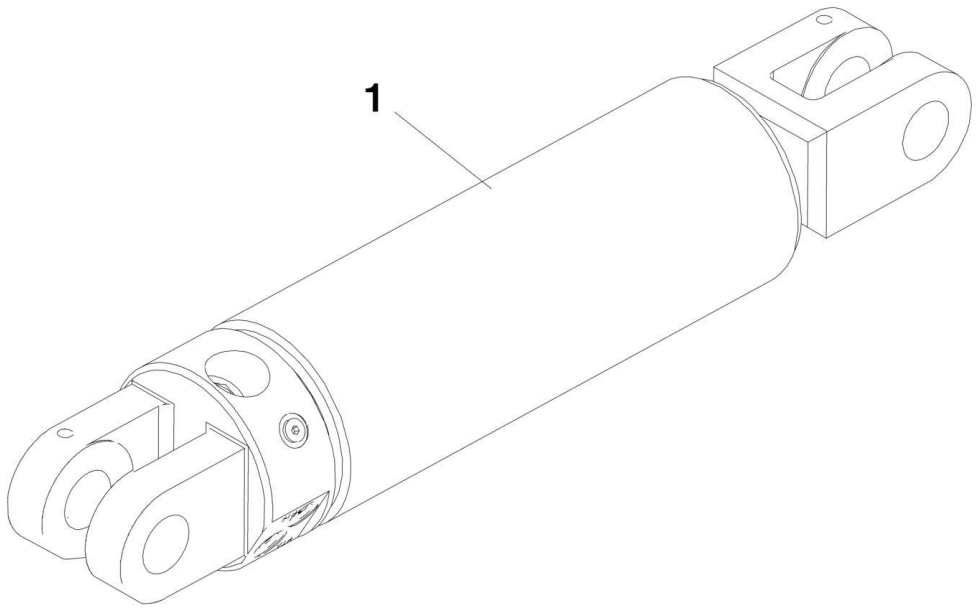


FIGURE 9-16. SLAVE CYLINDER (8042 SN 13198 through 19987, SN 0160002332 through 0160003866; 10042 SN 13198 through 19987, SN 0160002332 through 0160003858; 10054 SN 13198 through 19987, SN 0160002332 through 0160003864)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2714973	2	SLAVE CYLINDER, (includes items 1 thru 16)	D, Z
1	8036001	1	CYLINDER TUBE	
2	8035613	1	PISTON	
3	8035612	1	HEAD GLAND, (torque to 300-400 lb-ft)	
4	8035611	1	ROD	
5	8035547	1	LOCKNUT, 1.375-12, (Loctite and torque to 900-1050 lb-ft)	
6	Kit	1	O-RING	
7	Kit	1	O-RING	
8	Kit	1	O-RING	
9	Kit	1	BACK-UP RING	
10	Kit	1	BACK-UP RING	
11	Kit	1	DEEP Z-SEAL	
12	Kit	1	CAPPED T-SEAL	
13	Kit	1	SEAL WIPER	
14	Kit	2	WEARBAND	
15	Kit	2	WEARBAND	
16	Kit	2	LOCKING INSERT	
17	8526011	AR	LOCTITE 271, (apply to item 5)	
107	3423227	2	CYLINDER PIN	
123	8303782	2	HEX HD CAPSCREW, 1/2-13X4, GR5	
127	8305644	2	HEX LOCKNUT, 1/2-13	
132	8520003	2	LUBE FITTING, 90	
K1	8034695	1	SEAL KIT, (includes items 6 thru 16)	
N1	Note	Ref	QUANTITIES SHOWN ARE FOR ONE CYLINDER ONLY.	

FIGURE 9-17. SLAVE CYLINDER (8042 SN 0160003866 through 0160004653; 10042 SN 0160003899 through 0160004558; 10054 SN 0160003587 through 0160004667)



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FIGURE 9-17. SLAVE CYLINDER (8042 SN 0160003866 through 0160004653; 10042 SN 0160003899 through 0160004558; 10054 SN 0160003587 through 0160004667)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2717254	Ref	SLAVE CYLINDER, (not available to order, use 2714973 for replacement)	B

FIGURE 9-18. SLAVE CYLINDER (8042 SN 0160004670 through 0160045249; 10042 SN 0160004673 through 0160045249; 10054 SN 0160004676 through 0160045249; Including 0160045255, 0160045255 and 0160045255)

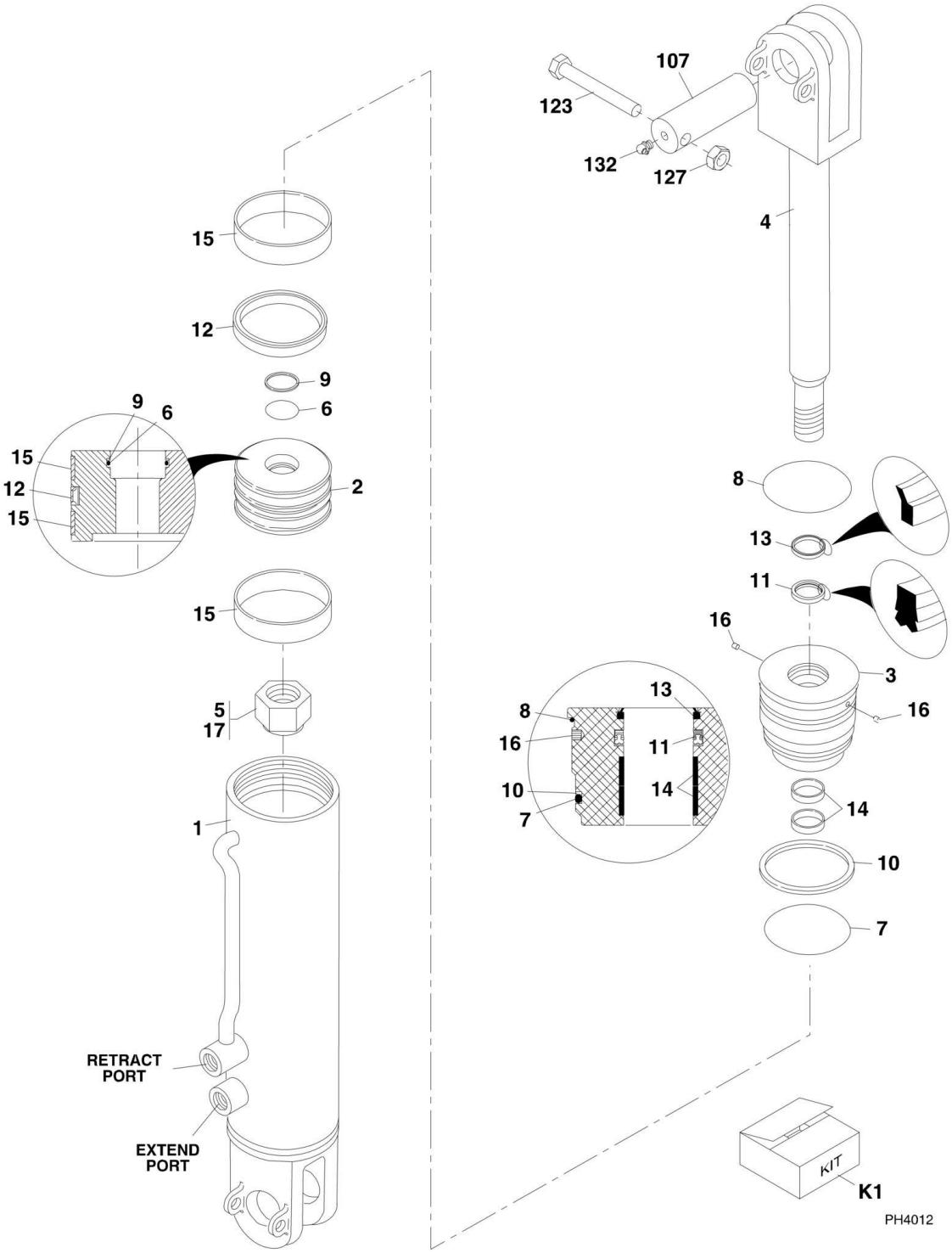


FIGURE 9-18. SLAVE CYLINDER (8042 SN 0160004670 through 0160045249; 10042 SN 0160004673 through 0160045249; 10054 SN 0160004676 through 0160045249; Including 0160045255, 0160045255 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2714973	2	SLAVE CYLINDER, (includes items 1 thru 16)	
1	8036001	1	CYLINDER TUBE	
2	8035613	1	PISTON	
3	8035612	1	HEAD GLAND, (torque to 300-400 lb-ft)	
4	8035611	1	ROD	
5	8035547	1	LOCKNUT, 1.375-12, (Loctite and torque to 900-1050 lb-ft)	
6	Kit	1	O-RING	
7	Kit	1	O-RING	
8	Kit	1	O-RING	
9	Kit	1	BACK-UP RING	
10	Kit	1	BACK-UP RING	
11	Kit	1	DEEP Z-SEAL	
12	Kit	1	CAPPED T-SEAL	
13	Kit	1	SEAL WIPER	
14	Kit	2	WEARBAND	
15	Kit	2	WEARBAND	
16	Kit	2	LOCKING INSERT	
17	8526011	AR	LOCTITE 271, (apply to item 5)	
107	3423227	1	CYLINDER PIN	
123	8303782	1	HEX HD CAPSCREW, 1/2-13X4, GR5	
127	8305644	1	LOCKNUT, 1/2-13	
132	8520003	1	LUBE FITTING, 90	
K1	8034695	1	SEAL KIT, (includes items 6 thru 16)	
N1	Note	Ref	QUANTITIES SHOWN ARE FOR ONE CYLINDER ONLY.	

FIGURE 9-19. OUTRIGGER CYLINDER (SN 13198 through 19987, SN 0160002332 through 0160002914)

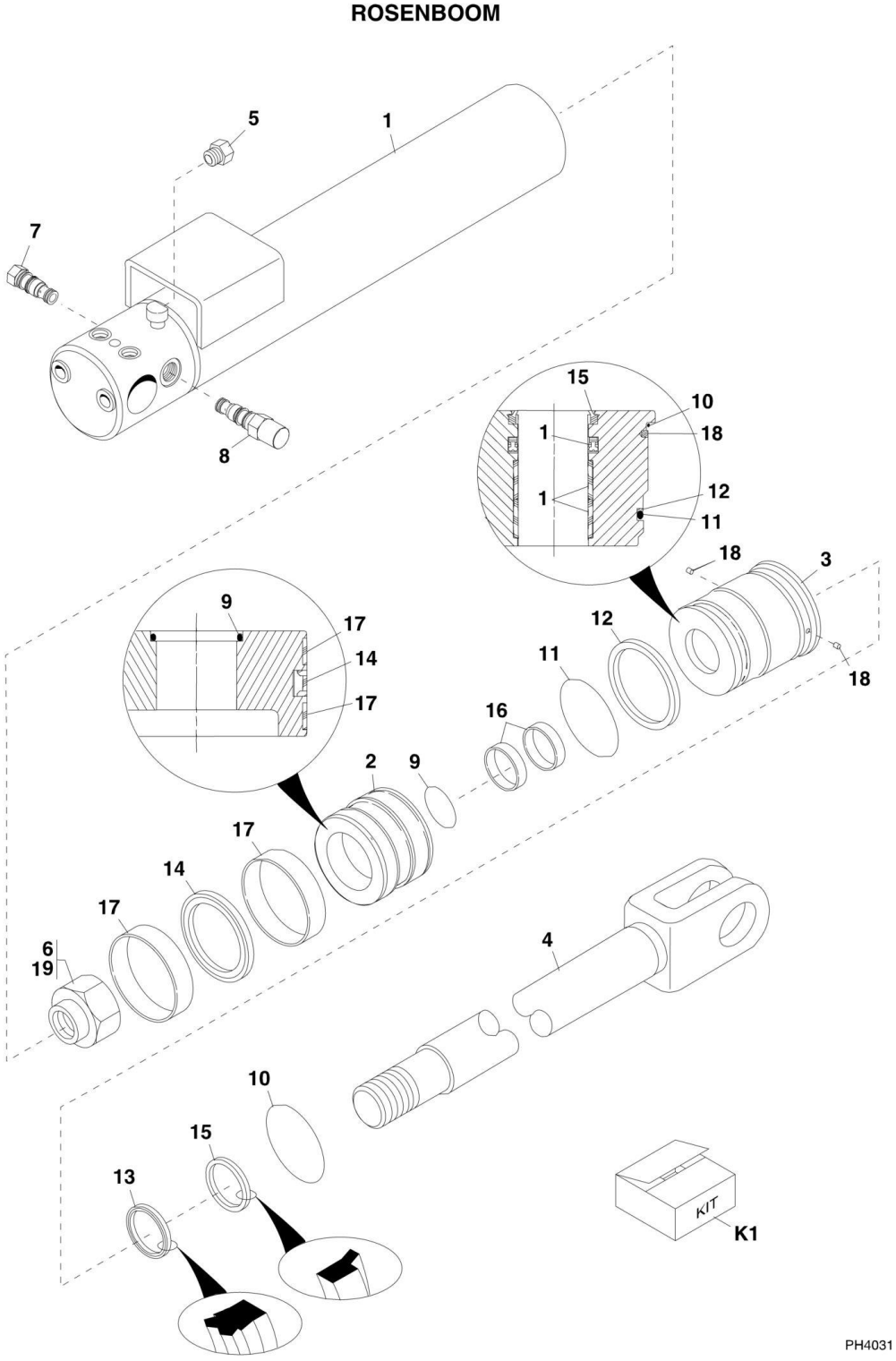


FIGURE 9-19. OUTRIGGER CYLINDER (SN 13198 through 19987, SN 0160002332 through 0160002914)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716163	1	OUTRIGGER CYLINDER, (includes items 1 thru 18)	
1	N.S.S.	1	TUBE WELDMENT	
2	8035727	1	PISTON	
3	8035728	1	HEAD GLAND, (torque to 300-400 lb-ft)	
4	8035729	1	ROD WELDMENT	
5	8035730	1	HEX HD PLUG, #4, (torque to 25-38 lb-ft)	
6	8035322	1	LOCKNUT, 1.5-12, (Loctite and torque to 1300-1500 lb-ft)	
7	8036750	1	PO CHECK VALVE, (torque to 30-35 lb-ft)	
7	2900770	1	SEAL KIT	
8	8036732	1	COUNTERBALANCE VALVE, 1000 PSI, (torque to 30-35 lb-ft)	
8	8035327	1	SEAL KIT	
9	Kit	1	O-RING	
10	Kit	1	O-RING	
11	Kit	1	O-RING	
12	Kit	1	BACK-UP RING	
13	Kit	1	DEEP Z-SEAL	
14	Kit	1	CAPPED T-SEAL	
15	Kit	1	SEAL WIPER	
16	Kit	2	PRECISION WEARBAND	
17	Kit	2	PRECISION WEARBAND	
18	Kit	2	LOCKING INSERT	
19	8526011	AR	LOCTITE 271, (apply to item 6)	
K1	8035519	1	SEAL KIT, (includes items 9 thru 18)	

FIGURE 9-20. OUTRIGGER CYLINDER (SN 0160002940 through 0160045249, Including 0160045255)

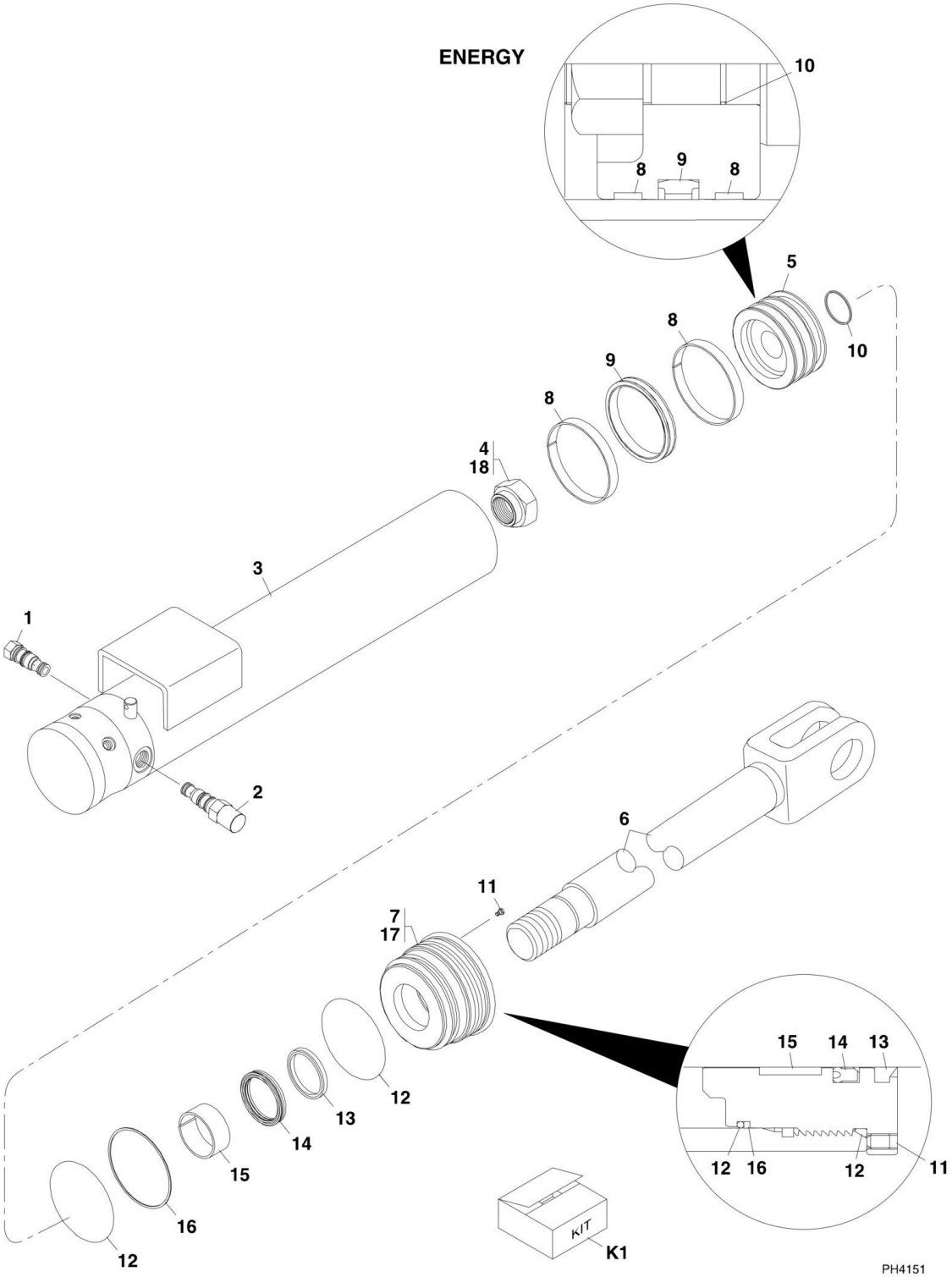


FIGURE 9-20. OUTRIGGER CYLINDER (SN 0160002940 through 0160045249, Including 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717201	1	OUTRIGGER CYLINDER, (includes items 1 thru 16)	E
1	8036750	1	PO CHECK VALVE, (torque to 30-35 lb-ft)	
1	2900770	1	SEAL KIT	
2	8036732	1	COUNTERBALANCE VALVE, 1000 PSI, (torque to 30-35 lb-ft)	
2	8035327	1	SEAL KIT	
3	70020658	1	BARREL ASSY	
4	8036825	1	LOCKNUT, 1-1/2-12, GRC, (Loctite and torque to 1650-1800 lb-ft)	
5	8036837	1	Piston	
6	8036838	1	ROD WELDMENT	
7	8036839	1	HEAD GLAND, (Loctite and torque to 250-350 lb-ft)	
8	Kit	2	PRECISION WEARBAND	
9	Kit	1	CAPPED T-SEAL	
10	Kit	1	O-RING	
11	8036811	1	SET SCREW, 1/4-20X3/8	
12	Kit	2	O-RING	
13	Kit	1	WIPER RING	
14	Kit	1	Z-SEAL	
15	Kit	1	PRECISION WEARBAND	
16	Kit	1	BACK-UP RING	
17	8526007	AR	LOCTITE 242, (apply to item 7)	
18	8526011	AR	LOCTITE 271, (apply to item 4)	
K1	8036784	1	SEAL KIT, (includes items 8, 9, 10, 12 thru 16)	

FIGURE 9-21. PISTON PUMP

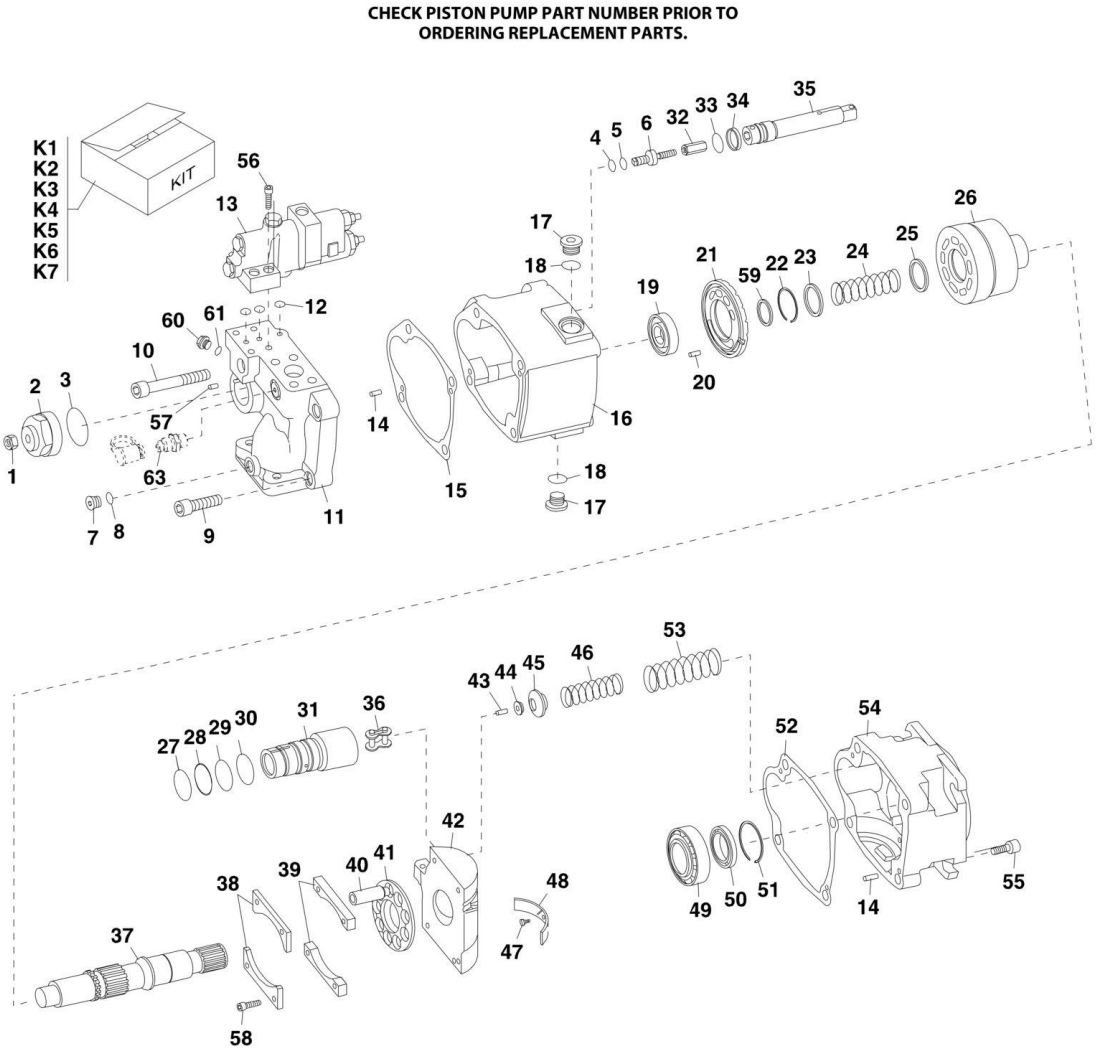


FIGURE 9-21. PISTON PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8444228	1	PISTON PUMP, (RED), (if equipped), (includes all items)	E
1	8035567	1	JAM NUT, (torque to 13.3-17.8 lb-ft)	
2	8035568	1	CAP, (s stop), (torque to 192.4-222 lb-ft)	
	8035569	1	CAP, (f stop), (torque to 192.4-222 lb-ft)	
3	Kit	1	O-RING	
4	Kit	1	BACK-UP RING	
5	Kit	1	O-RING	
6	8035570	1	ADJUSTMENT SCREW	
7	8035571	2	SAE GAGE PORT PLUG, (torque to 29-32 lb-ft)	
	8035572	2	ISO GAGE PORT PLUG, (torque to 29-32 lb-ft)	
8	Kit	2	O-RING	
9	8035573	3	SCREW, (torque to 76.2-94 lb-ft)	
10	8035574	1	SCREW, (torque to 76.2-94 lb-ft)	
11	8035575	1	VALVE BLOCK	
12	70021557	3	O-RING	
13	Kit	1	CONTROL SUB ASSY	
14	8035577	4	PIN	
15	Kit	1	GASKET	
16	8035578	1	HOUSING	
17	8035579	2	DRAIN PLUG, (torque to 55.5-61.4 lb-ft)	
18	8035580	2	O-RING	
19	Kit	1	BEARING	
20	8035581	1	PIN	
21	8035582	1	VALVE PLATE	
22	Kit	1	RETAINING RING	
23	Kit	1	SPRING GUIDE	
24	Kit	1	SPRING	
25	Kit	1	SPRING GUIDE	
26	Kit	1	CYLINDER BLOCK	
27	Kit	1	BACK-UP RING	
28	Kit	1	O-RING	
29	Kit	1	O-RING	
30	Kit	1	BACK-UP RING	
31	8035583	1	CONTROL SLEEVE	
32	8035584	1	HEX NUT	
33	Kit	1	O-RING	
34	Kit	1	GLIDE RING	
35	8035585	1	CONTROL PISTON	
36	8035586	1	CHAIN LINK	
37	8035587	1	SHAFT	
38	Kit	2	LIMITER PLATE	
39	Kit	2	SPACER	
40	Kit	9	PISTON & SHOES SUB ASSY	
41	Kit	1	SHOE CAGE	
42	Kit	1	YOKE	
43	Kit	1	PIN	
44	8035588	1	BUTTON	
45	Kit	1	SEAT	
46	8035589	1	SPRING	
47	Kit	2	SCREW, (torque to 2.7-3.3 lb-ft)	

SECTION 9 - HYDRAULIC COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	Kit	2	SADDLE BEARING	
49	Kit	1	BEARING	
50	Kit	1	SHAFT SEAL	
51	Kit	1	RETAINING RING	
52	Kit	1	GASKET	
53	8035590	1	SPRING	
54	8035591	1	FLANGE	
55	8035592	4	SCREW, (torque to 76.2-94 lb-ft)	
56	8035593	4	SCREW, (torque to 23-27.4 lb-ft)	
57	8035595	1	PIN	
58	8035596	4	SCREW, (torque to 9.6-11 lb-ft)	
59	Kit	1	SHAFT SPACER	
60	8035597	2	PLUG	
61	8035598	2	O-RING, (torque to 11.1-11.8 lb-ft)	
63	8430033	1	NIPPLE, MALE STRAIGHT	
K1	8036181	1	CONTROL KIT, (includes items 13 & 56)	
K2	8035561	1	SEAL KIT, (includes items 3, 4, 5, 8, 15, 27, 28, 29, 30, 33, 34, 51 & 52)	
K3	8035562	1	ROTATING GROUP KIT, (includes items 22 thru 26, 38 thru 41 & 58)	
K4	8035563	1	YOKE & SADDLE BEARING KIT, (includes items 42, 43, 45, 47 & 48)	
K5	8035564	1	SHAFT BEARING KIT, (includes items 19 & 49)	
K6	8035565	1	SHAFT SEAL KIT, (includes items 50 & 51)	
K7	8035566	1	SHAFT SPACER KIT, (includes item 59)	

FIGURE 9-22. PISTON PUMP

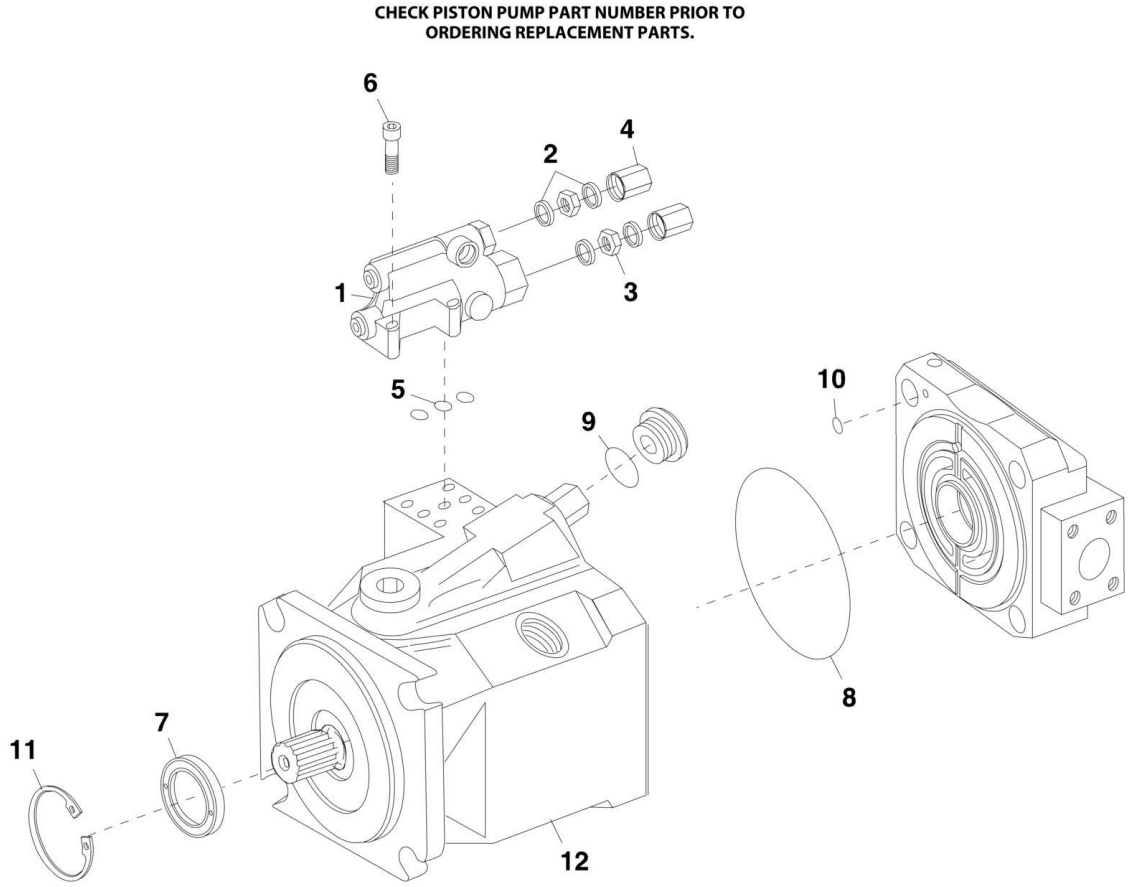


FIGURE 9-22. PISTON PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8444230	1	PISTON PUMP, (BLACK), (if equipped), (includes all items)	B
1	7024955	1	PILOT VALVE, (includes items 2 thru 6)	
2	7024956	4	SEAL RING	
3	7024957	2	LOCK NUT	
4	7024958	2	ACORN NUT	
5	7024922	3	O-RING	
6	7024954	4	SOCKET SCREW, M6X30-10.9	
7	7024947	1	SHAFT SEAL	
8	7024948	1	O-RING	
9	7024949	1	O-RING	
10	7024950	2	RING SEAL	
11	80334277	1	SAFETY RING	
12	N.S.S.	1	HOUSING	

FIGURE 9-23. PISTON PUMP

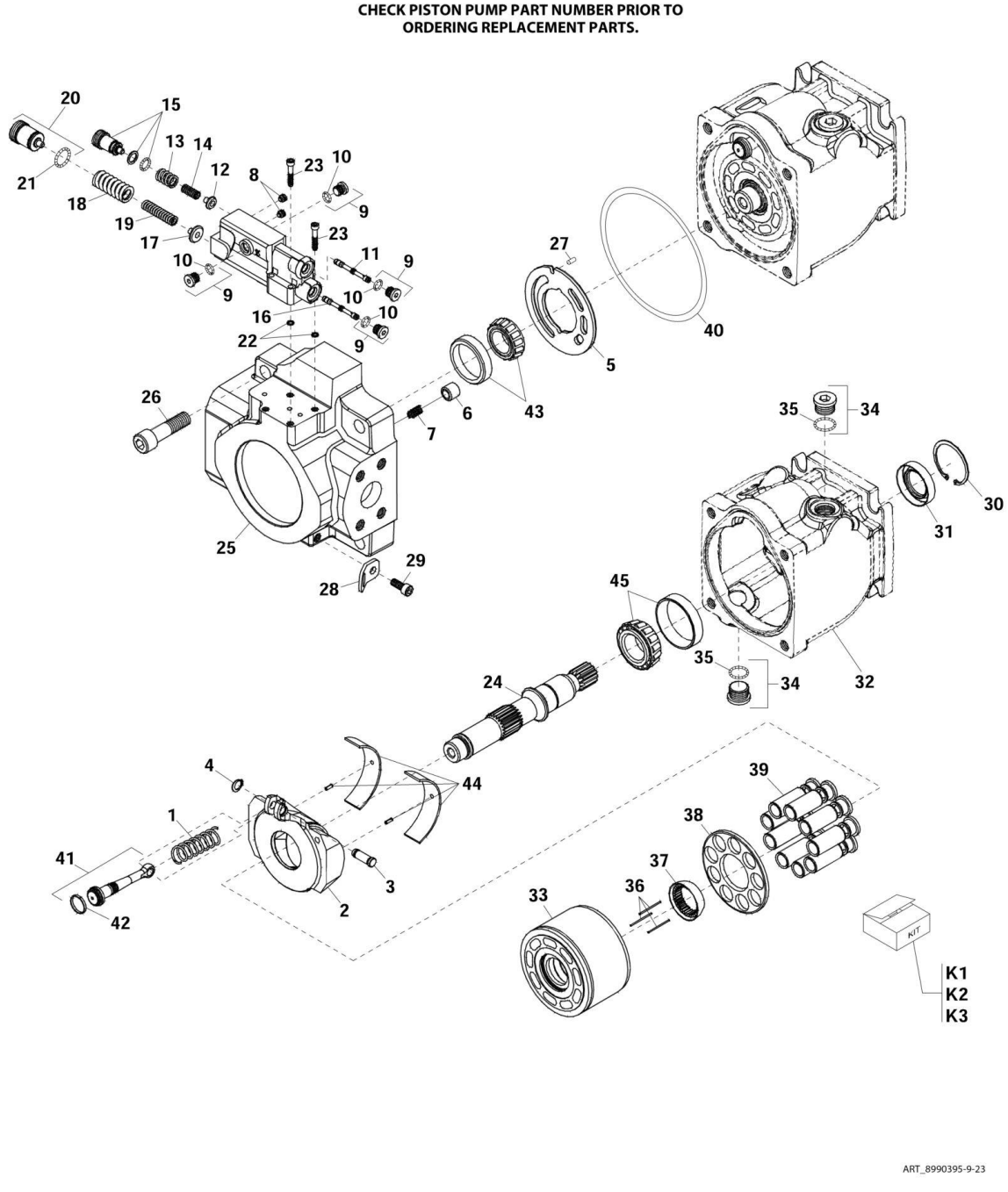


FIGURE 9-23. PISTON PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001135002	NLA	PISTON PUMP, (GREY), (if equipped), (no longer available, see items below for service or 1001170427 for replacement)	D
1	70002580	1	BIAS SPRING	
2	70002581	1	SWASHPLATE	
3	70002582	1	RETAINER PIN	
4	70002583	1	RETAINING RING	
5	70002584	1	RH PLATE	
6	70001956	1	CHECK VALVE POPPET	
7	70001955	1	SPRING	
8	70023351	2	SET SCREW	
9	70002133	4	PLUG ASSY, (includes item 10)	
10	7007207	4	O-RING	
11	70023352	1	SPOOL	
12	70023353	1	LH SPRING GUIDE	
13	70023354	1	LEFT SIDE OUTER SPRING	
14	70023355	1	LEFT SIDE INNER SPRING	
15	70024039	1	LEFT SIDE ADJUSTING PLUG	
16	70023352	1	CONTROL SPOOL	
17	70023357	1	PC SPRING GUIDE	
18	70023358	1	PC OUTER SPRING	
19	70023359	1	PC INNER SPRING	
20	70024040	1	PC ADJUSTING SPRING, (includes item 21)	
21	NSS	1	O-RING	
22	70023362	4	SEAL RING	
23	70023363	4	SCREW	
24	70023364	1	SHAFT, (14 tooth)	
25	70024041	1	RADIAL END CAP	
26	70002588	4	SCREW	
27	7007446	1	SLOTTED PIN	
28	7022340	1	LIFTING BRACKET	
29	70002590	1	SCREW	
30	7023962	1	RETAINING RING	
31	70022287	1	LIP SEAL	
32	70022288	1	HOUSING	
33	70023996	1	CYLINDER BLOCK ASSY	
34	7023964	2	PLUG, (includes item 35)	
35	7007415	2	O-RING	
36	7021275	3	HOLD DOWN PIN	
37	70002592	1	SLIPPER RETAINER GUIDE	
38	70002593	1	SLIPPER RETAINER	
39	70023997	9	PISTON ASSY	
40	70002595	1	END CAP SEAL	
41	70023998	1	PISTON ASSY, (includes item 42)	
42	70023999	1	PISTON RING	
43	70002585	1	REAR BEARING KIT	
44	70002579	1	SWASHPLATE BEARING KIT	
45	70002578	1	FRONT BEARING KIT	
K1	70024000	1	CYLINDER BLOCK KIT, (includes items 33, 36 thru 39)	
K2	70023350	1	CONTROL KIT, (includes items 8 thru 23)	
K3	70002599	1	SEAL KIT, (includes items 10, 15, 21, 22, 31, 35 & 40)	

FIGURE 9-24. PISTON PUMP

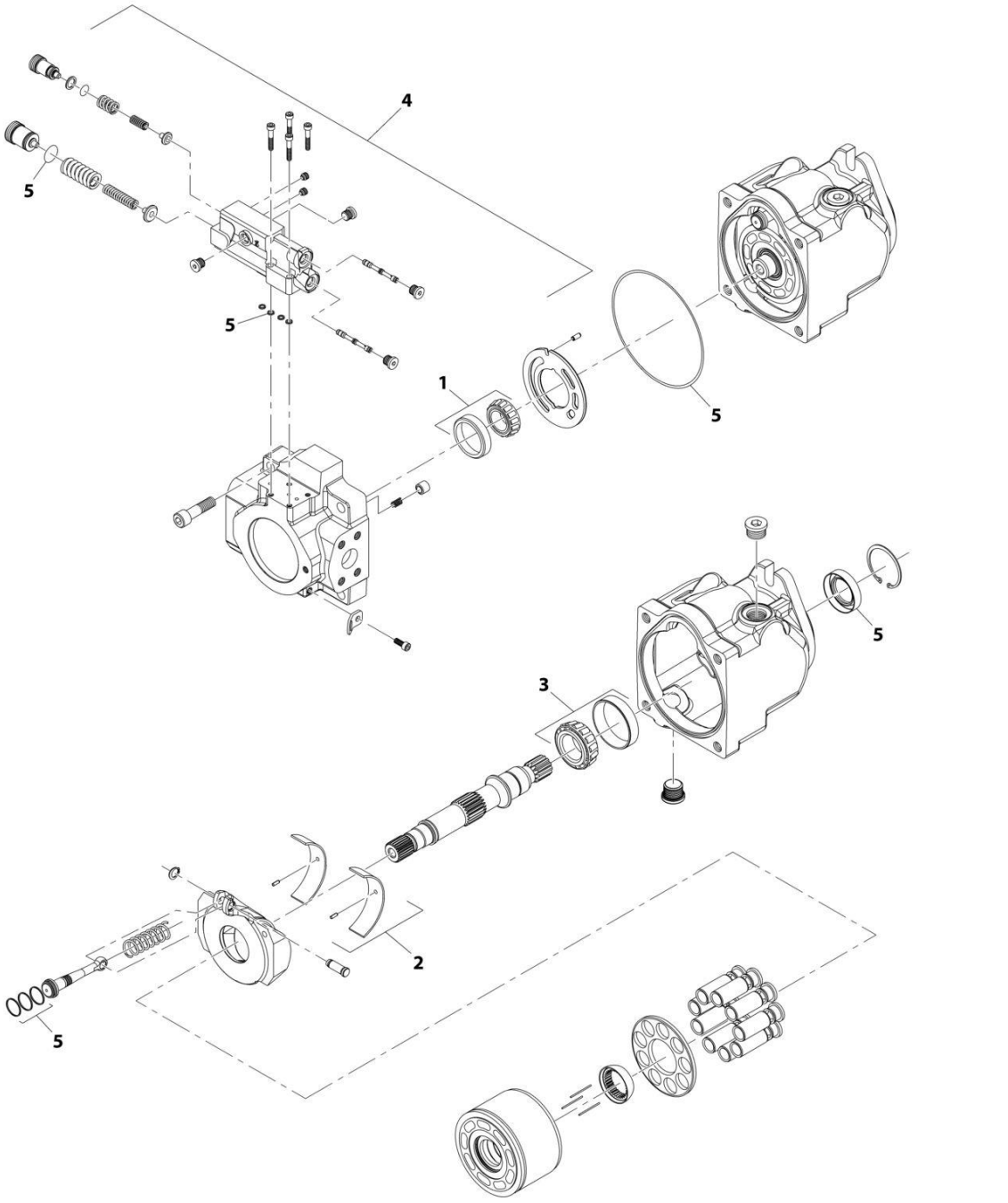


FIGURE 9-24. PISTON PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170427	Ref	PISTON PUMP, (if equipped), (includes all items)	A
1	70002585	1	REAR BEARING KIT	
2	70004426	1	BEARING KIT	
3	70002578	1	BEARING KIT	
4	70023350	1	CONTROL KIT	
5	70002599	1	SEAL KIT	

FIGURE 9-25. MAIN CONTROL VALVE

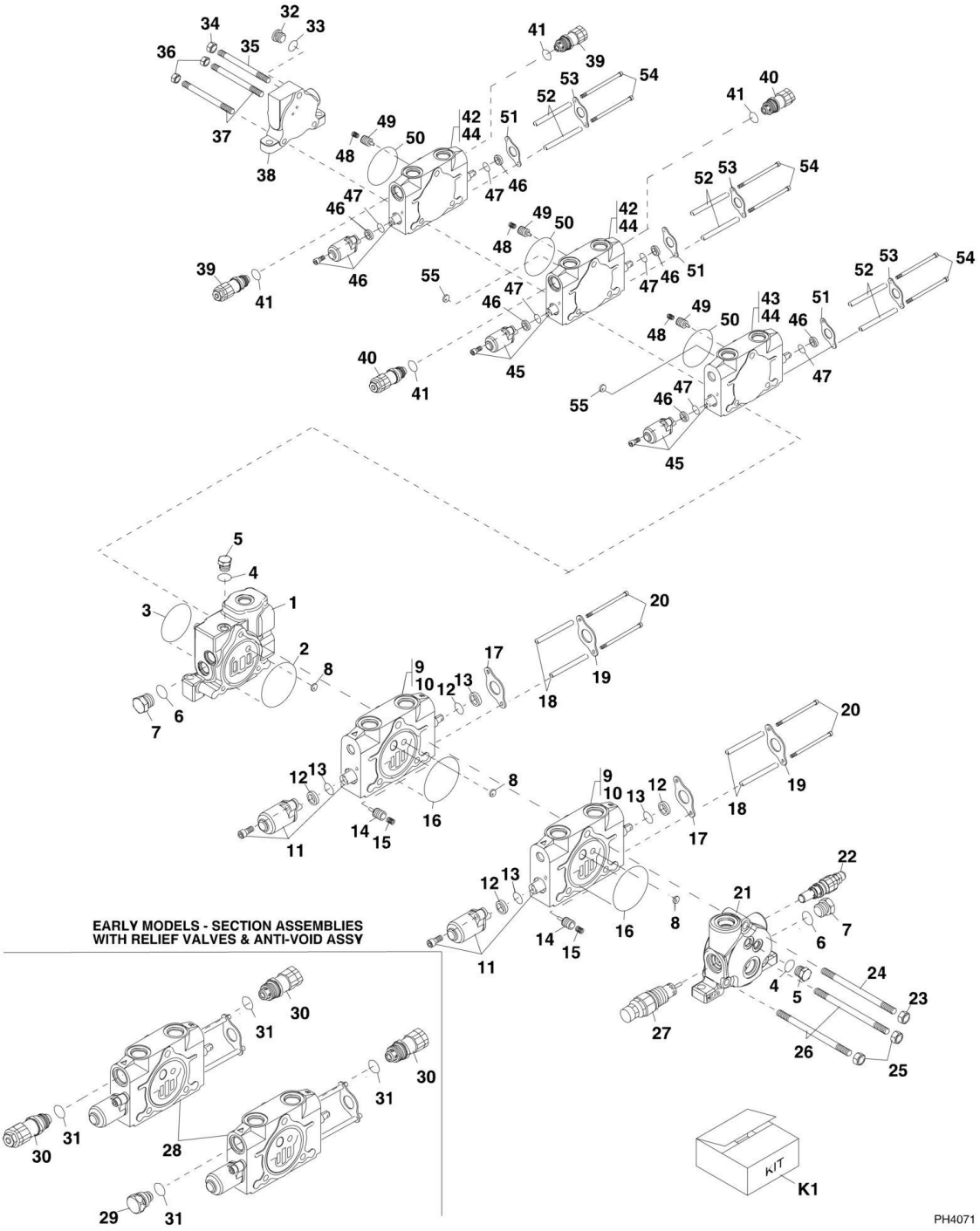


FIGURE 9-25. MAIN CONTROL VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8902188	1	MAIN CONTROL VALVE, (includes items 1 thru 27)	
1	8035849	1	MID-INLET SECTION ASSY (includes items 2 & 3)	
2	8034697	1	O-RING	
3	10837923	1	O-RING	
4	Kit	2	O-RING	
5	8035843	2	PLUG, (torque to 18 lb-ft)	
6	8036517	2	O-RING	
7	8035834	2	PLUG, (torque to 18 lb-ft)	
8	8035845	3	SHUTTLE	
9	8036179	2	BOOM EXTEND/RETRACT AND LIFT/LOWER SECTION ASSY, (includes items 10 thru 17)	
10	N.S.S.	2	SPOOL HOUSING	
11	N.S.S.	2	SPOOL ASSY	
12	Kit	2	WIPER	
13	Kit	2	O-RING	
14	8035367	2	POPPET	
15	8035358	2	SPRING	
16	8034697	2	O-RING	
17	8036257	3	PLATE SEAL	
18	8036259	4	SPACER	
19	8036257	3	PLATE SEAL	
20	8035377	4	SOCKET HEAD CAPSCREW, (torque to 7 lb-ft)	
21	8036263	1	OUTLET SECTION ASSY	
22	8036176	1	LOAD SENSE RELIEF VALVE, 2600 ± 50 PSI, (torque to 33 lb-ft)	
22	8036184	1	SEAL AND SPRING KIT	
23	8035347	1	NUT, (torque to 74 lb-ft)	
24	8036282	1	TIE ROD	
25	8035381	2	NUT, (torque to 48 lb-ft)	
26	8036281	2	TIE ROD	
27	8035844	1	MAIN RELIEF VALVE, 3500 ± 50 PSI, (torque to 48 lb-ft)	
27	8036183	1	SEAL AND SPRING KIT	
28	N.S.S.	2	BOOM EXTEND/RETRACT AND LIFT/LOWER SECTION ASSY, EARLY MODELS, (includes items 12 thru 17), (for replacement order item 9, when item 9 is ordered, items 29 & 30 are not needed.)	
29	8035363	1	ANTI-VOID ASSY, (includes item 31)	
29	8036186	1	SEAL KIT	
30	8036173	3	RELIEF ASSY VALVE, 3200 ± 50 PSI, (includes item 31)	
30	8035856	1	SEAL AND SPRING KIT	
31	Kit	1	O-RING	
32	8035843	1	PLUG, (torque to 18 lb-ft)	
33	Kit	1	O-RING	
34	8035346	1	NUT, (torque to 33 lb-ft)	
35	8036283	1	TIE ROD	
36	8035348	2	NUT, (torque to 18 lb-ft)	
37	8036284	2	TIE ROD	
38	8035848	1	OUTLET SECTION ASSY	
39	8036174	2	RELIEF ASSY VALVE, 3250 ± 50 PSI, (torque to 33 lb-ft), (includes item 41)	
39	8036185	1	SEAL AND SPRING KIT	
40	8036175	2	RELIEF VALVE ASSY, 3250 ± 50 PSI, (torque to 33 lb-ft), (includes item 41)	

SECTION 9 - HYDRAULIC COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	8035855	1	SEAL AND SPRING KIT	
41	10837943	4	O-RING	
42	8036178	2	AUXILIARY AND ATTACHMENT TILT SECTION ASSY, (includes items 44 thru 51)	
43	8036177	1	FRAME SWAY/STABIL-TRAK SECTION ASSY, (includes items 44 thru 51)	
44	N.S.S.	3	SPOOL HOUSING	
45	N.S.S.	3	SPOOL ASSY	
46	Kit	2	WIPER	
47	Kit	2	O-RING	
48	8035365	3	SPRING	
49	8035366	3	PISTON COMPENSATOR	
50	8036260	3	O-RING	
51	8036258	3	PLATE SEAL	
52	8036259	6	SPACER	
53	8036258	3	PLATE SEAL	
54	8035377	6	SOCKET HEAD CAPSCREW, (torque to 7 lb-ft)	
55	8035845	2	SHUTTLE	
K1	8036180	1	SEAL KIT, (includes items 2, 3, 4, 12, 13, 16, 31, 33, 41, 46, 47 & 50)	

FIGURE 9-26. DIRECTIONAL CONTROL VALVE

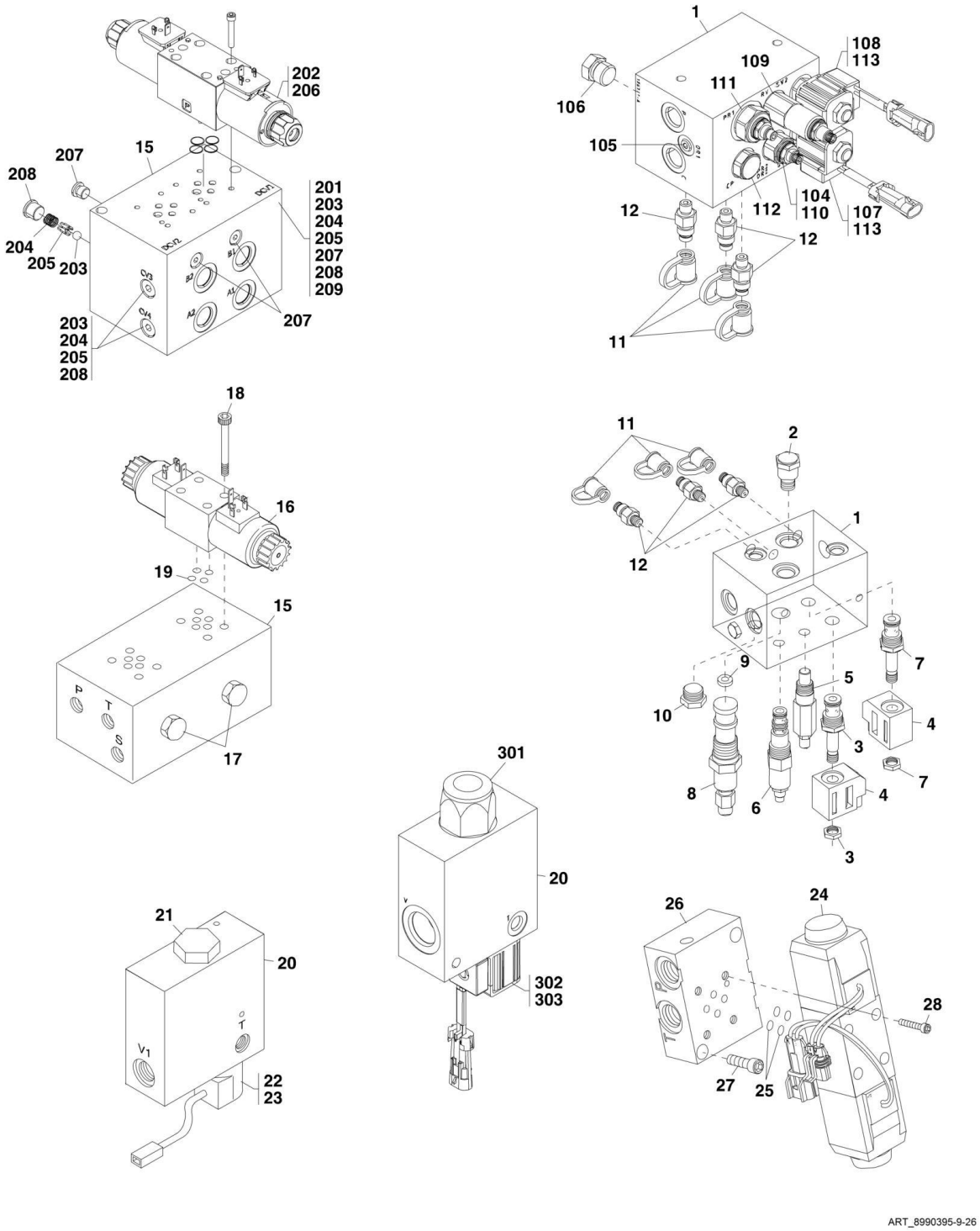


FIGURE 9-26. DIRECTIONAL CONTROL VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8902199	NLA	SECONDARY FUNCTION MANIFOLD, (no longer available to order, use 1001103150 or see items 2 thru 10 for service)	
1	1001103150	1	SECONDARY FUNCTION MANIFOLD, (includes items 104 thru 113)	A
2	8032995	1	CHECK VALVE	
2	8032992	1	SEAL KIT	
3	8902696	1	SOLENOID VALVE	
3	8032992	1	SEAL KIT	
4	8902698	2	SOLENOID COIL WITH INTEGRATED DIODE	
5	8032991	1	RELIEF VALVE, 650 PSI	
5	8032994	1	SEAL KIT	
6	8032989	1	PRESSURE REDUCING VALVE, 2500 PSI	
6	8032990	1	SEAL KIT	
7	8902697	1	SOLENOID VALVE	
7	8032992	1	SEAL KIT	
8	8032993	1	PRESSURE REDUCING VALVE, 550 PSI	
8	8032994	1	SEAL KIT	
9	8036253	1	ORIFICE DISC	
10	8036252	1	CAVITY PLUG	
11	8430032	3	DUST PLUG	
12	8430033	3	DIAGNOSTIC NIPPLE	
15	8902193	NLA	OUTRIGGER VALVE, (no longer available to order, use 1001103153 or see items 16 thru 19 for service)	B
15	1001103153	1	OUTRIGGER VALVE, (includes items 201 thru 209)	A
16	8902194	2	SOLENOID VALVE ASSY	
17	8035512	3	SHUTTLE CARTRIDGE	
17	8034038	1	SEAL KIT	
18	8304631	8	SOCKET HD CAPSCREW, #10-24X2	
19	8640017	AR	O-RING	
20	8902206	NLA	BOOM EXTEND/RETRACT LOCKOUT VALVE, (no longer available to order, use 1001103147 or see items 21 thru 23 for service)	C
20	1001103147	1	BOOM EXTEND/RETRACT LOCKOUT VALVE, (includes items 301 thru 303)	A
21	8036171	1	PRESSURE SENSE VALVE	
21	8036187	1	SEAL KIT	
22	8036172	1	SOLENOID VALVE	
22	8036188	1	SEAL KIT	
23	8902698	1	COIL ASSY	
24	8902197	NLA	STEER SELECT VALVE, (no longer available to order, use 1001103152 or see item 25 for service)	C
24	1001103152	NLA	STEER SELECT VALVE (No Longer Available - Use 1001283631)	C
24	1001283631	1	STEER SELECT VALVE (includes item 25)	
24	1001283628	1	HARNESS, JUMPER (MALE-MALE)	
24	1001283629	1	HARNESS, JUMPER (MALE-FEMALE)	
24	1001283630	1	VALVE	
25	8640017	AR	O-RING	
26	8902111	1	STEER SELECT VALVE SUBPLATE	
27	8310326	2	SOCKET HD CAPSCREW, 5/16-18X1.125	
28	8310327	4	SOCKET HD CAPSCREW, #10-24X1.125	
104	70023453	1	ORRIFICE PLUG	
105	70023454	1	ORRIFICE PLUG	

SECTION 9 - HYDRAULIC COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
106	91474023	1	CHECK VALVE, (torque to 23-27 lb-ft)	
107	70022722	1	SOLENOID VALVE CARTRIDGE, (torque to 23-27 lb-ft), (torque coil to 5-7 lb-ft)	
108	70022723	1	SOLENOID VALVE CARTRIDGE, (torque to 23-27 lb-ft), (torque coil to 5-7 lb-ft)	
109	70022721	1	RELIEF VALVE, (650 psi), (torque to 37-41 lb-ft)	
110	70022719	1	PRESSURE REDUCING VALVE, (550 psi), (torque to 37-41 lb-ft)	
111	70022720	1	PRESSURE REDUCING VALVE, (2500 psi), (torque to 21 lb-ft)	
112	70023455	1	CAVITY PLUG, (torque to 37-41 lb-ft)	
113	70022724	2	SOLENOID COIL WITH DIODE	
201	70022724	1	MANIFOLD	
202	70023505	2	DIRECTIONAL CONTROL VALVE	
203	70023506	6	BALL BEARING, 0.3125	
204	70023507	6	SPRING	
205	70023508	6	RETAINER	
206	70023509	2	ORRIFICE	
207	8032790	6	PORT PLUG, (torque to 7.5-8.3 lb-ft)	
208	88662192	6	PORT PLUG, (torque to 25.7-28.1 lb-ft)	
209	70023510	3	EXPANDER PLUG, 7MM	
301	70023519	1	LOGIC ELEMENT, (65 lb-ft)	
301	70023520	1	SEAL KIT	
302	70023521	1	SOLENOID, (torque to 23-27 lb-ft)	
302	8032694	1	SEAL KIT	
303	70022724	1	METRIPACK COIL, (torque to 3 lb-ft)	

FIGURE 9-27. FUEL/HYDRAULIC TANK ASSEMBLY

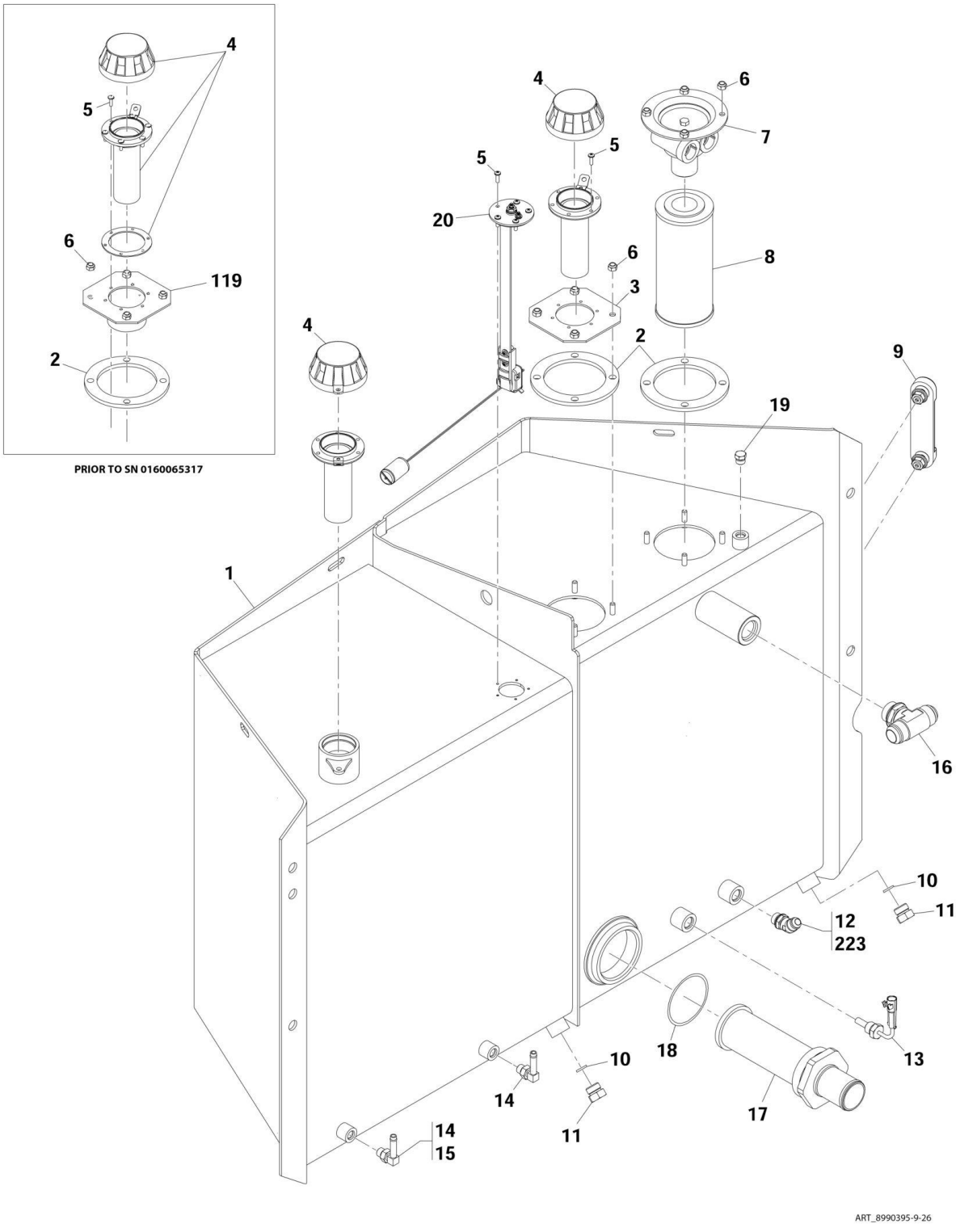


FIGURE 9-27. FUEL/HYDRAULIC TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7150655	1	FUEL/HYDRAULIC TANK ASSY, (includes items 1 thru 20) **(SN 13198 through 19887)**	
	7301863	1	FUEL/HYDRAULIC TANK ASSY,(includes items 1 thru 9 & 11 thru 20), **(SN 0160002332 through 0160040913)**	G
	1001100218	1	FUEL/HYDRAULIC TANK ASSY, (includes items 1 thru 9, 11 thru 20 & 119) **(SN 0160040914 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	I
1	7150610	1	FUEL AND HYDRAULIC RESERVOIR **(SN 13198 through 19887)**	
1	7301862	1	FUEL AND HYDRAULIC RESERVOIR **(SN 0160002332 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
2	7138209	3	GASKET **(SN 0160002332 through 0160065317)**	
2	7138209	2	GASKET **(SN 0160065317 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
3	7139076	1	PLATE	
4	7139077	2	FILLER/BREATHER	
5	8310163	17	TRUSS HD SCREW, #10X5/8 **(SN 0160002332 through 0160065317)**	
5	8310163	11	TRUSS HD SCREW, #10X5/8 **(SN 0160065317 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
6	8305626	12	HEX LOCK ELASTIC NUT, 5/16-18 **(SN 0160002332 through 0160065317)**	
6	8305626	8	HEX LOCK ELASTIC NUT, 5/16-18 **(SN 0160065317 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
7	1001091752	1	FILTER HEAD, (with by-pass)	
8	8320265	1	HYDRAULIC OIL FILTER ELEMENT thru 0160040129 & 0160040171 **(SN 0160002332 through 0160040220, Excluding 0160039850 and 0160040126)**	
8	7301252	1	HYDRAULIC OIL FILTER ELEMENT thru 0160040129 & 0160040171 **(SN 0160040220 through 0160045249, Including 0160045255, 0160039850 and 0160040126, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
9	7024441	1	SIGHT GAUGE, (torque bolts to 4-5 lb-ft)	
10	8640903	2	O-RING **(SN 13198 through 19887)**	
11	8541435	2	HEX HD MAGNETIC PLUG **(SN 13198 through 19887)**	
11	2220239	2	HEX HD PLUG, (includes o-ring) **(SN 0160002332 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
12	2220500	1	ELBOW, 45, (includes o-ring), (if equipped with red gear pump 8444228 or black gear pump 8444230)	
13	8223226	1	HYDRAULIC TEMPERATURE SWITCH	
14	8430034	1	ELBOW, 90, (includes o-ring) **(SN 0160002332 through 0160040220, Except SN 0160040126 through 0160040129, Excluding 0160039850 and 0160040171)**	
14	8430034	2	ELBOW, 90, (includes o-ring) **(SN 0160040220 through 0160045249, SN 0160040126 through 0160040129, Including 0160045255, 0160039850 and 0160040171, Excluding**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)	
15	8430064	1	ELBOW, 90, (includes o-ring) **(SN 0160002332 through 0160040220, Except SN 0160040126 through 0160040129, Excluding 0160039850 and 0160040171)**	
16	8760552	1	MALE BRANCH TEE, #16, (includes o-ring)	
17	7138740	1	STRAINER, (includes o-ring)	
18	7029716	1	O-RING	
19	2220237	1	HEX HD PLUG, #6	
20	1001145026	1	FUEL LEVEL SENSOR	
119	1001134961	1	FUEL FILL NECK ADAPTER **(SN 0160040914 through 0160065316)**	
223	2220950	1	ELBOW, 45, (includes o-ring), (if equipped with grey gear pump 1001135002)	

FIGURE 9-28. SIDE TILT CARRIAGE CYLINDER

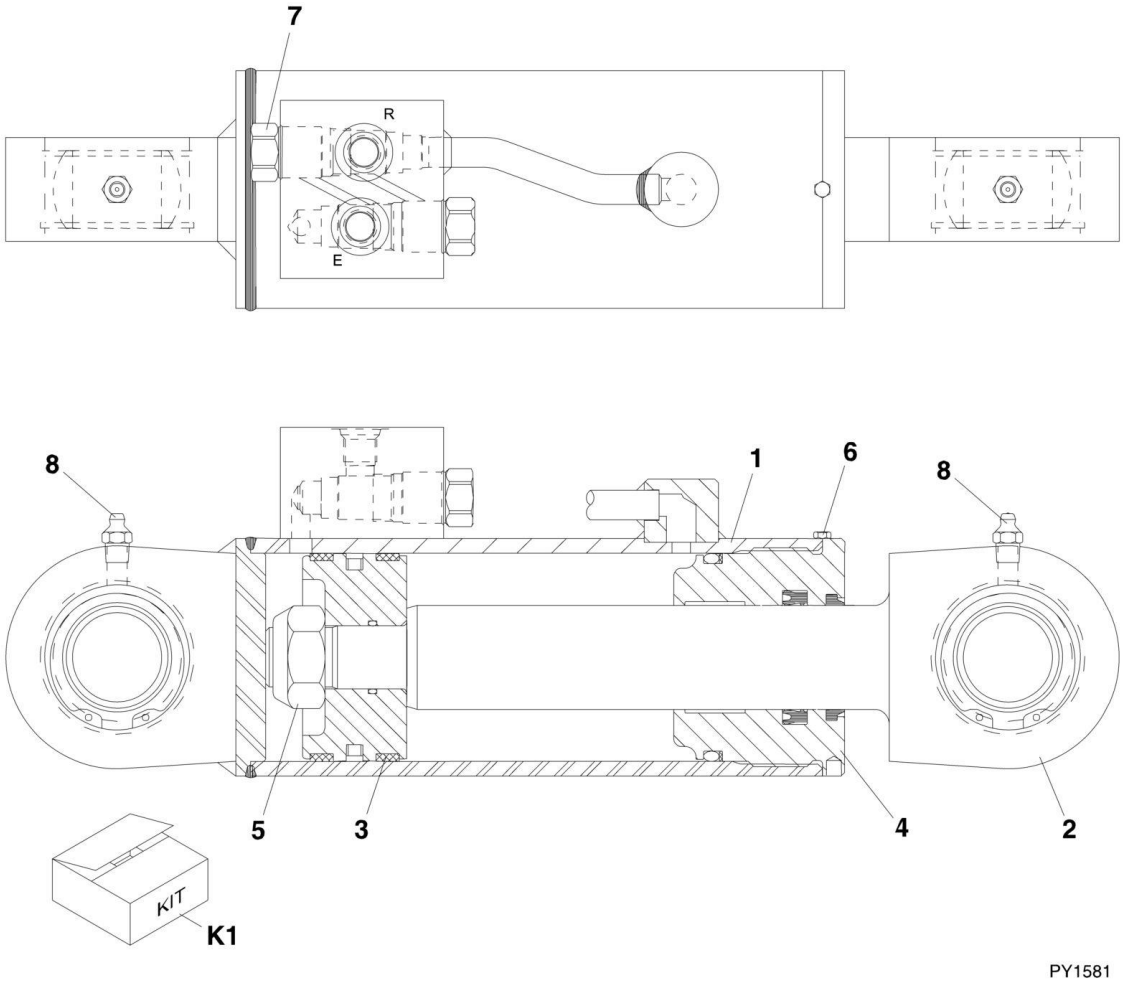


FIGURE 9-28. SIDE TILT CARRIAGE CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001090134	NLA	SIDE TILT CARRIAGE CYLINDER, (no longer available, see items below for service or use 1001163414 for replacement)	C
1	70022038	1	BARREL ASSY	
2	70022039	1	ROD ASSY	
3	70022040	1	PISTON	
3	70022042	1	SEAL KIT	
4	70024002	1	ROD BEARING	
4	70022043	1	SEAL KIT	
5	90022230	1	HEX NUT	
6	7029760	1	CAPSCREW	
7	4640438	2	CHECK VALVE	
7	2900770	1	SEAL KIT	
8	91044080	2	GREASE FITTING	
K1	70022041		SEAL KIT, (contains 70022042 & 70022043)	

FIGURE 9-29. SIDE TILT CARRIAGE CYLINDER

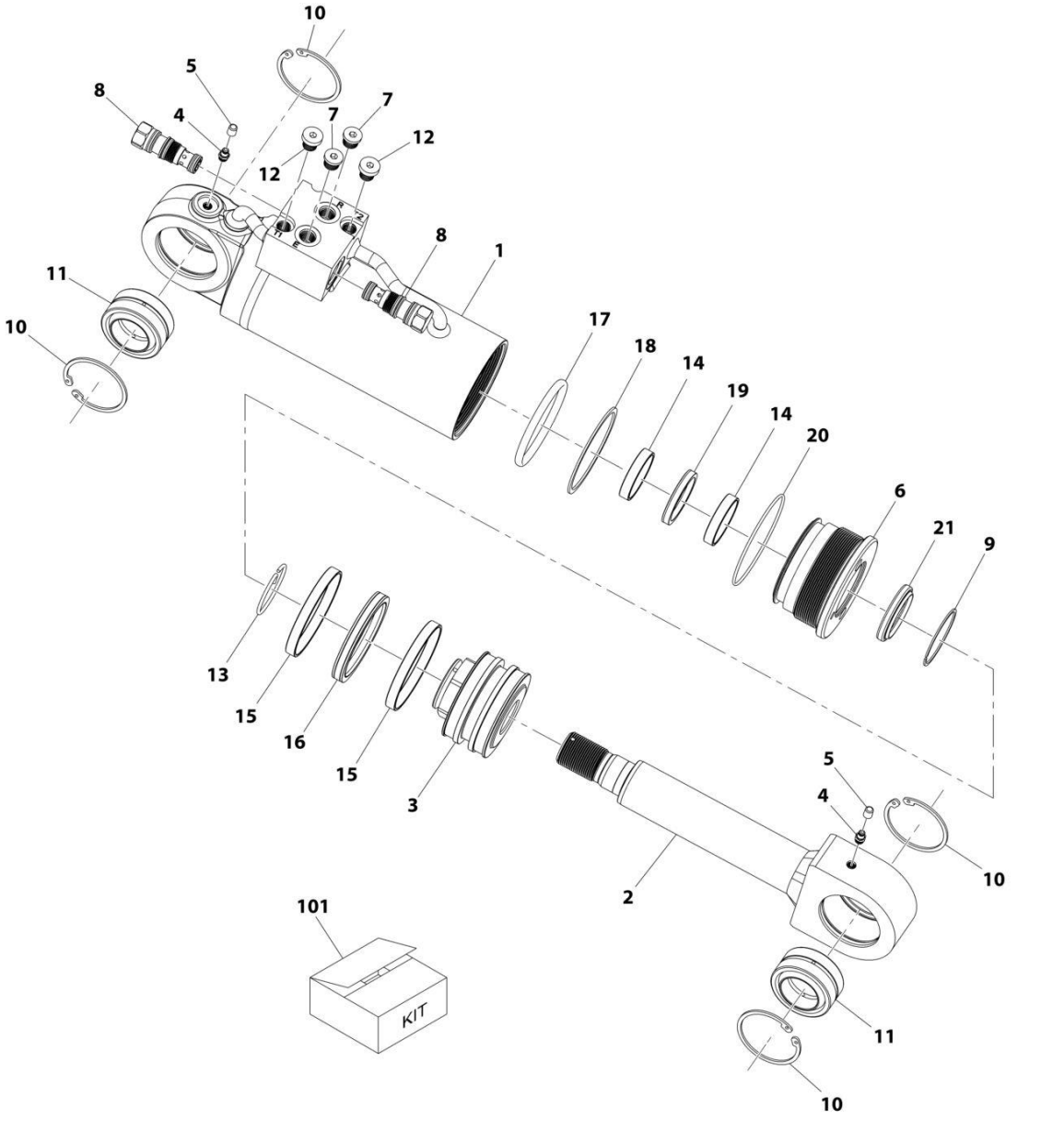


FIGURE 9-29. SIDE TILT CARRIAGE CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163414	Ref	SIDE TILT CARRIAGE CYLINDER, (includes all items)	A
1	70026056	1	BARREL	
2	70026057	1	ROD	
3	70026058	1	SCREWED PISTON HEAD, 90MM	
4	70025606	2	GREASE NIPPLE	
5	70024020	2	GREASER PROTECTOR	
6	70003849	1	GLAND	
7	70025959	2	BLANKING SCREW	
8	70026059	2	P/O CHECK VALVE	
9	70002219	1	INTERNAL SNAP RING	
10	70026060	4	INTERNAL SNAP RING	
11	70026061	2	SPHERICAL BEARING	
12	70024262	2	BLANKING SCREW	
13	70002224	1	LOCKING RING	
14	Kit	2	ROD BEARING RING	
15	Kit	2	PISTON BEARING RING	
16	Kit	1	PISTON SEAL	
17	Kit	1	O-RING	
18	Kit	1	BACK UP RING	
19	Kit	1	ROD SEAL	
20	Kit	1	O-RING	
21	Kit	1	WIPER SEAL	
101	70026062	1	SEAL KIT, (includes items 14 thru 21)	

FIGURE 9-30. 72 IN 90, SWING CARRIAGE CYLINDER

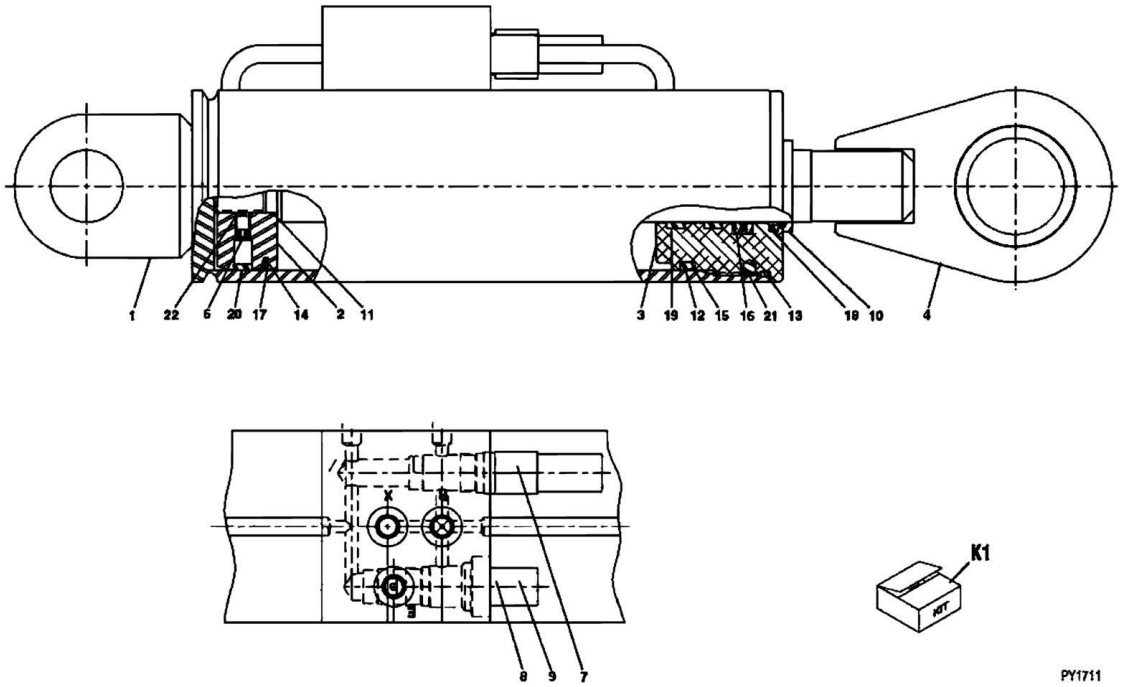


FIGURE 9-30. 72 IN 90, SWING CARRIAGE CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103182	1	72 IN 90, SWING CARRIAGE CYLINDER, (includes items 1 thru 22)	
1	70022044	1	TUBE ASSY	
2	8035863	1	PISTON	
3	8035862	1	HEAD GLAND	
4	70022045	1	ROD ASSY	
5	70022046	1	BEARING	
6	8035536	2	SET SCREW, 5/16-18X1/2	
7	70020428	1	RELIEF VALVE, (preset to 2000 psi)	
7	7024574	1	SEAL KIT	
8	8033786	1	COUNTER BALANCE VALVE, (preset to 3000 psi)	
8	8205655	1	SEAL KIT	
9	70021812	1	TAMPERPROOF CAP	
11	Kit	1	O-RING	
12	Kit	1	O-RING	
13	Kit	1	O-RING	
14	Kit	1	SQUARE RING	
15	Kit	1	BACKUP RING	
16	Kit	1	SEAL	
17	Kit	1	PISTON SEAL	
18	Kit	1	ROD WIPER	
19	Kit	2	WEARBAND	
20	Kit	1	WEARBAND	
21	Kit	2	INSERT	
22	Kit	2	INSERT	
K1	2915023	1	SEAL KIT, (includes items 11 thru 22)	

FIGURE 9-31. GRAPPLE BUCKET CYLINDER

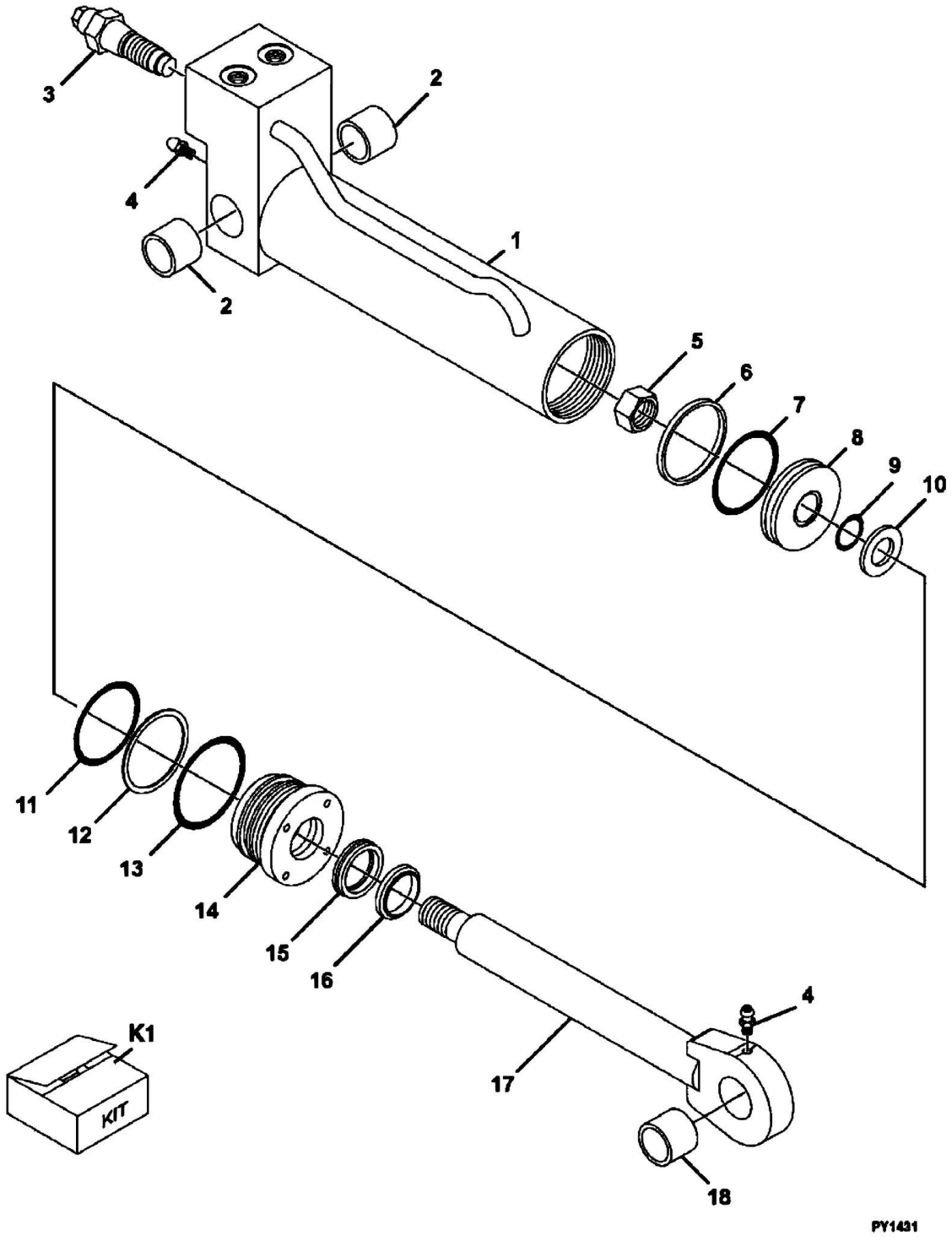


FIGURE 9-31. GRAPPLE BUCKET CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70021393	1	GRAPPLE BUCKET CYLINDER, (includes all items)	
1	70021465	1	CYLINDER TUBE	
2	70021448	2	BUSHING	
3	70021464	2	VALVE CARTRIDGE	
4	90554045	2	GREASE FITTING	
5	70021440	1	HEX NUT	
6	Kit	1	PISTON RING	
7	Kit	1	O-RING	
8	70021451	1	PISTON	
9	Kit	1	O-RING	
10	70021444	1	WASHER	
11	Kit	1	O-RING	
12	Kit	1	BACK-UP WASHER	
13	Kit	1	O-RING	
14	70021446	1	CYLINDER GLAND	
15	Kit	1	POLY-PAK SEAL	
16	Kit	1	ROD WIPER	
17	70021466	1	PISTON ROD	
18	70021447	1	BUSHING	
K1	70021452	1	SEAL KIT (includes items 6, 7, 9, 11 thru 13, 15 & 16)	

FIGURE 9-32. BRAKE VALVE (8042 SN 0160002332 through 0160038988; 10042 SN 0160002332 through 0160038383; 10054 SN 0160002332 through 0160038738)

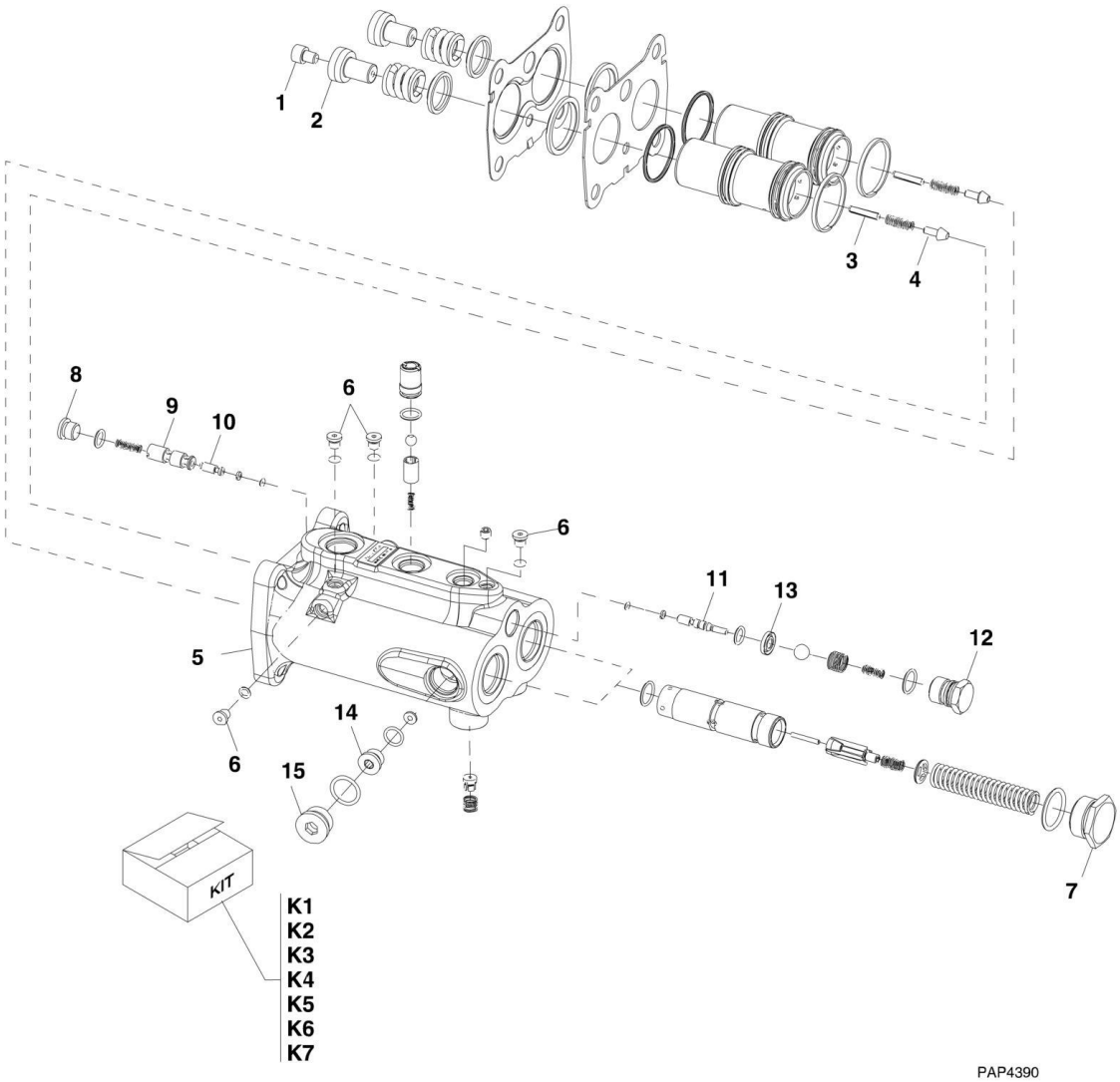


FIGURE 9-32. BRAKE VALVE (8042 SN 0160002332 through 0160038988; 10042 SN 0160002332 through 0160038383; 10054 SN 0160002332 through 0160038738)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001094284	NLA	POWER BRAKE VALVE, (no longer available, order 1001106845 for replacement or see items 1 thru 15 for service)	
	1001106845	1	POWER BRAKE VALVE, (information not available at the time of publication)	
1	91474454	1	BOLT	
2	91474442	2	PIN	
3	70023037	2	PIN	
4	70023038	2	POPPET	
5	NSS	1	HOUSING	
6	91474450	4	PLUG	
7	91474434	2	PLUG	
8	91474458	1	PLUG	
9	91474456	1	SPOOL	
10	91474455	1	PISTON	
11	91474447	1	PISTON	
12	91474443	1	PLUG	
13	91474446	1	SEAT	
14	70020680	1	PLUG	
15	91474459	1	PLUG	
K1	70024044	1	PREFILL PISTON KIT	
K2	70024045	1	COVERS KIT	
K3	70024046	1	SEAL KIT	
K4	70024047	1	MAKE-UP CHECK KIT	
K5	70024048	1	INLET CHECK KIT	
K6	70024049	1	HARDWARE KIT	
K7	70024050	1	WORKPORT ORIFICE KIT	

FIGURE 9-33. BRAKE VALVE (8042 SN 0160038988 through 0160045249; 10042 SN 0160038383 through 0160045249; 10054 SN 0160038738 through 0160045249; Including 0160045255, 0160045255 and 0160045255)

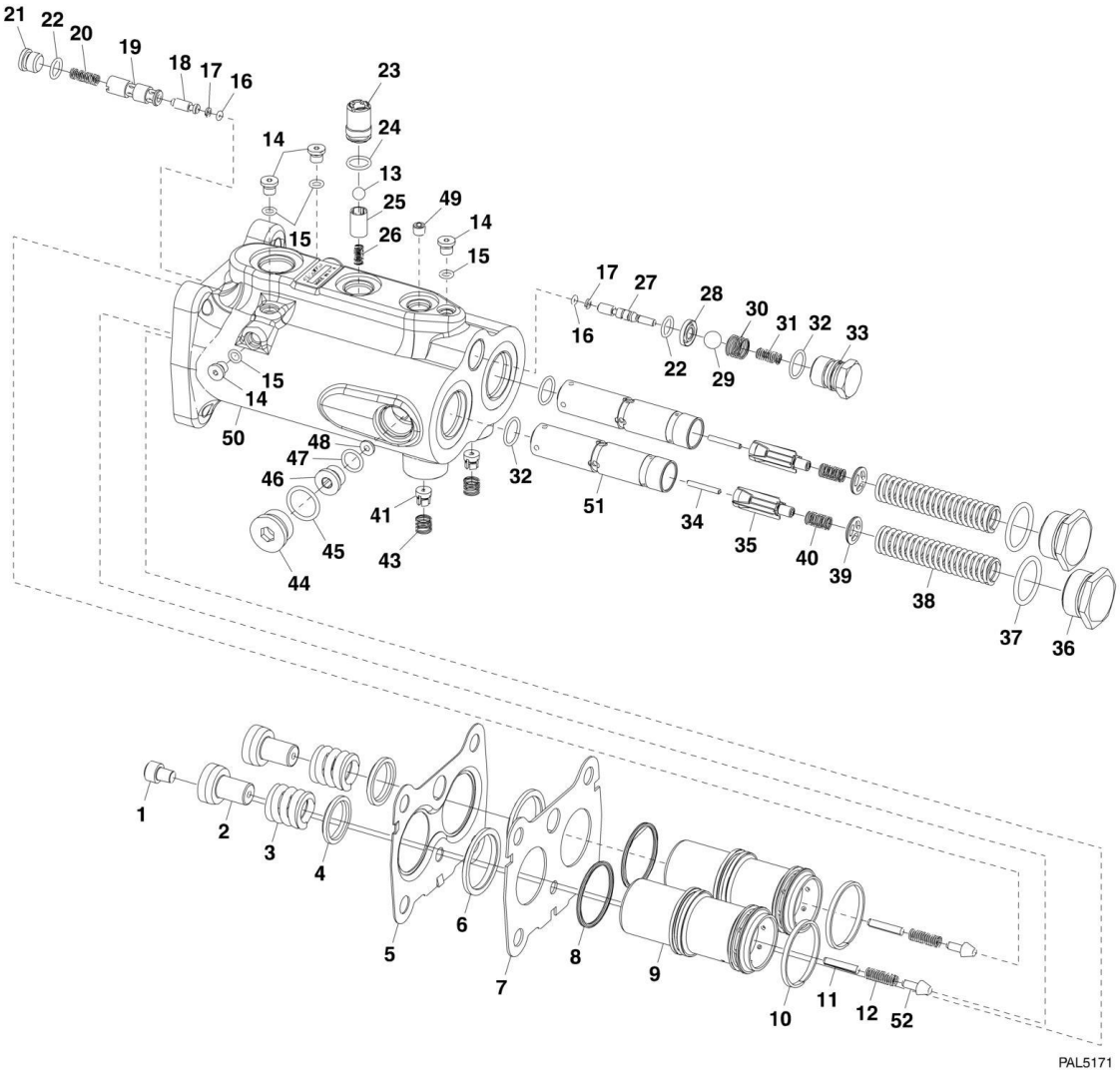


FIGURE 9-33. BRAKE VALVE (8042 SN 0160038988 through 0160045249; 10042 SN 0160038383 through 0160045249; 10054 SN 0160038738 through 0160045249; Including 0160045255, 0160045255 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001106836	1	BRAKE VALVE, (includes all items)	
1	91474454	1	SCREW	
2	91474442	2	PIN	
3	70020659	2	SPRING	
4	91474441	2	WIPER	
5	70020660	1	COVER	
6	91474440	2	WIPER	
7	70020661	1	COVER	
8	91474439	2	QUAD RING	
9	70020662	2	PISTON	
10	70020663	2	PISTON RING	
11	70023037	2	PIN	
12	91474438	2	SPRING	
13	91474452	1	BALL	
14	91474450	4	PLUG	
15	91474451	4	O-RING	
16	91474453	2	O-RING	
17	91514199	2	BACK-UP RING	
18	91474455	1	DUMP PISTON	
19	91474456	1	DUMP SPOOL	
20	70020665	1	SPRING	
21	91474458	1	PLUG	
22	91514198	2	O-RING	
23	70020666	1	INLET SEAT	
24	70020667	1	O-RING	
25	70020668	1	RETAINER	
26	70020669	1	SPRING	
27	91474447	1	PISTON	
28	91474446	1	SEAT	
29	70020670	1	BALL	
30	70020671	1	SPRING	
31	70020672	1	SPRING	
32	91514197	3	O-RING	
33	91474443	1	PLUG	
34	70020673	2	NEEDLE ROLLER	
35	70020674	2	MAKE-UP CHECK	
36	91474434	2	PLUG	
37	91474435	2	O-RING	
38	70020675	2	SPRING	
39	70020676	2	SPRING GUIDE	
40	70020677	2	SPRING	
41	70020678	2	ORIFICE	
43	70020679	2	SPRING	
44	91474459	1	PLUG	
45	91474460	1	O-RING	
46	70020680	1	PLUG	
47	70020681	1	O-RING	
48	70020682	1	ORIFICE	

SECTION 9 - HYDRAULIC COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	70023039	1	ORIFICE	
50	N.S.S.	1	HOUSING	
51	N.S.S.	2	SPOOL	
52	70023038	2	POPPET	

FIGURE 9-34. SIDE SHIFT CARRIAGE CYLINDER, 50 INCH, (INCLUDES ALL ITEMS)

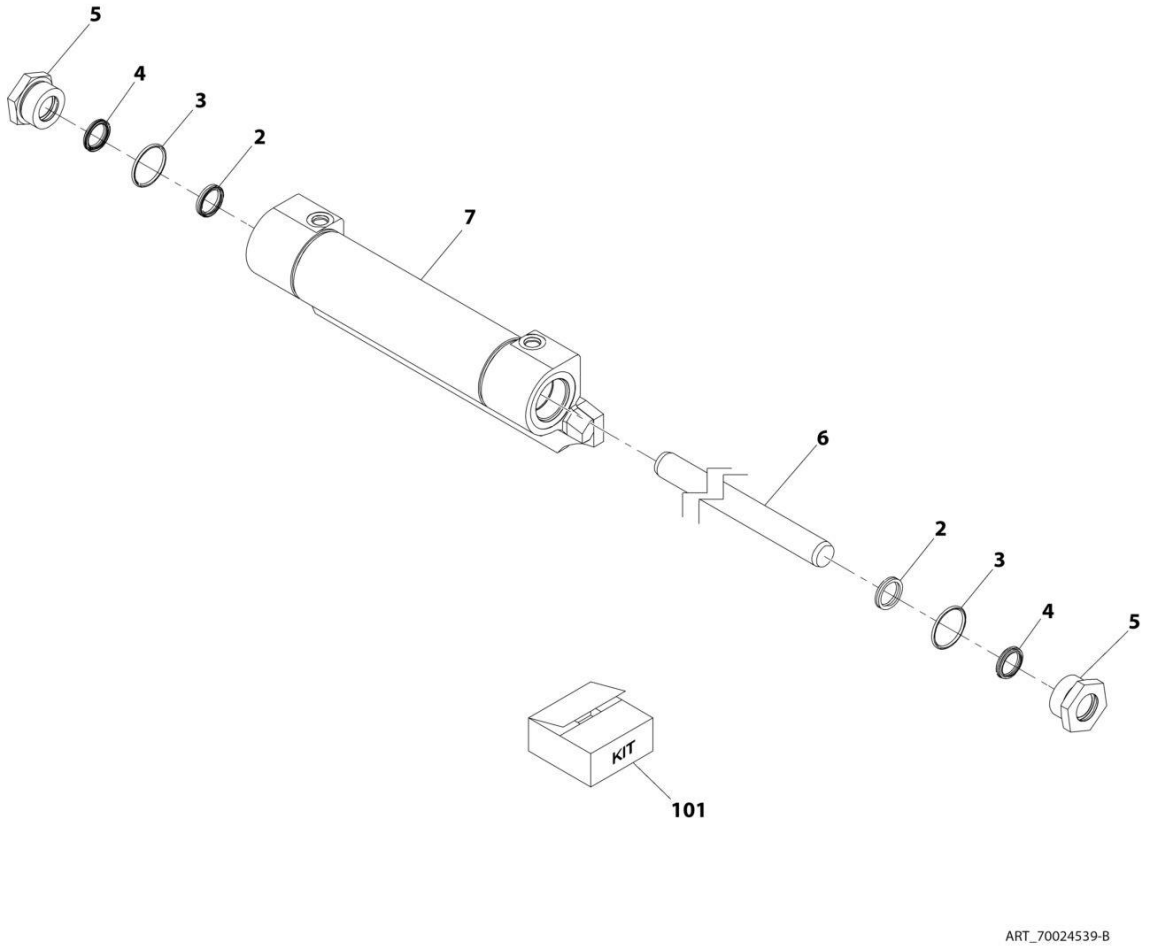


FIGURE 9-34. SIDE SHIFT CARRIAGE CYLINDER, 50 INCH, (INCLUDES ALL ITEMS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70024539	Ref	SIDE SHIFT CARRIAGE CYLINDER	B
2	Kit	2	SEAL, ROD	
3	70024547	2	O-RING	
4	Kit	2	SEAL, ROD WIPER	
5	70024548	2	SEAL, RETAINER	
6	N.S.S.	1	ROD	
7	N.S.S.	1	BARREL	
101	70024549	1	KIT, SEAL (includes items 2 & 4)	

FIGURE 9-35. SWING CARRIAGE CYLINDER (8042 SN 13198 through 19234; 10042 SN 13198 through 19241; 10054 SN 13198 through 19080)

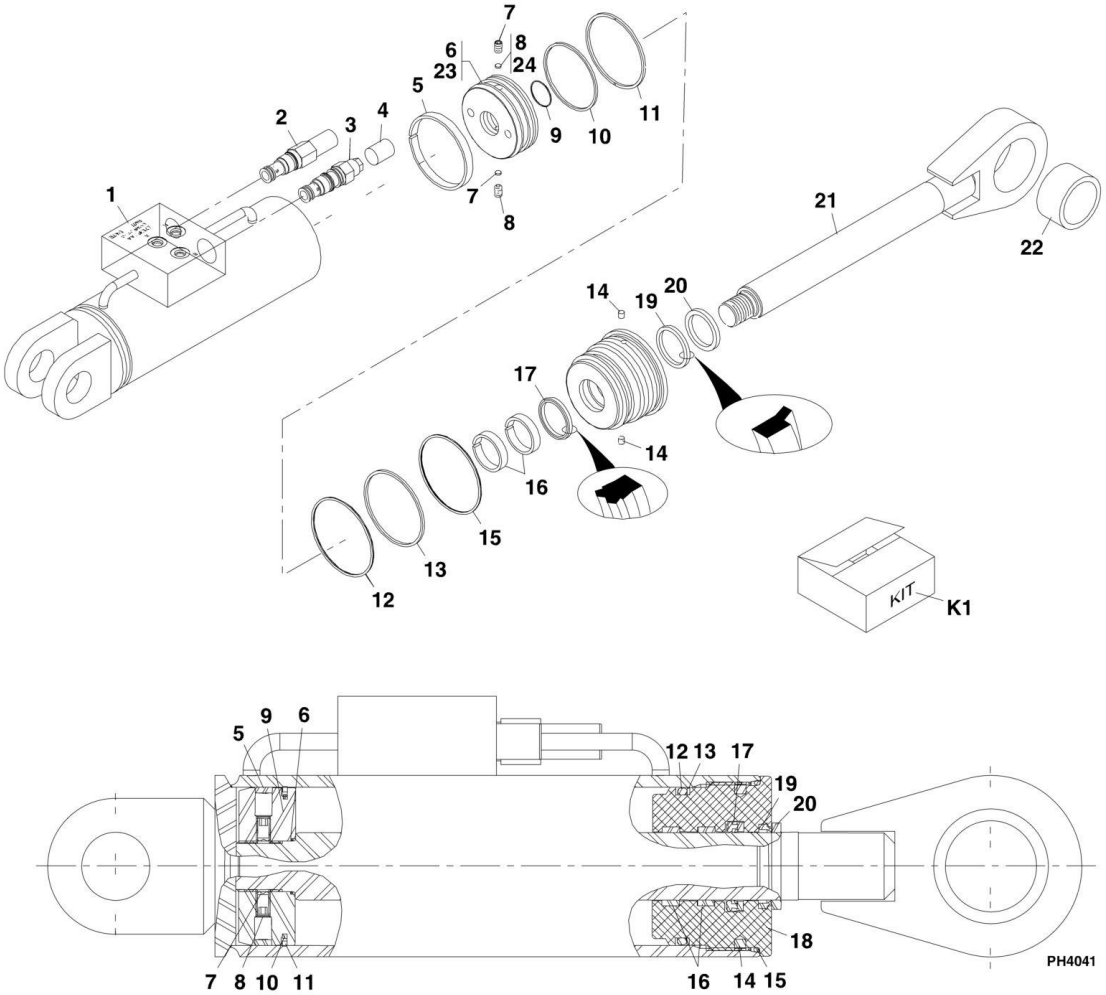


FIGURE 9-35. SWING CARRIAGE CYLINDER (8042 SN 13198 through 19234; 10042 SN 13198 through 19241; 10054 SN 13198 through 19080)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716153	1	SWING CARRIAGE CYLINDER, (includes items 1 thru 22)	
1	N.S.S.	1	TUBE WELDMENT	
2	70020428	1	RELIEF VALVE CARTRIDGE, (torque 30-35 lb-ft)	
2	7024574	1	SEAL KIT	
3	8033786	1	COUNTERBALANCE VALVE, (torque 30-35 lb-ft)	
3	8025655	1	SEAL KIT	
4	N.S.S.	1	CAP	
5	Kit	1	PRECISION WEARBAND	
6	8035863	1	PISTON, (Loctite and torque to 440-500 lb-ft)	
7	8035536	2	SET SCREW, 5/16-18X.5	
8	Kit	2	LOCKING INSERT, (Loctite and torque to 85-95 lb-ft)	
9	Kit	1	O-RING	
10	Kit	1	SQUARE RING	
11	Kit	1	SQUARE PISTON SEAL	
12	Kit	1	O-RING	
13	Kit	1	BACK-UP RING	
14	Kit	2	LOCKING INSERT	
15	Kit	1	O-RING	
16	Kit	2	PRECISION WEARBAND	
17	Kit	1	DEEP Z-SEAL	
18	8035862	1	HEAD GLAND, (torque 250-300 lb-ft)	
19	Kit	1	WIPER SEAL	
20	Kit	1	SQUARE RING	
21	8035861	1	ROD WELDMENT	
22	8065062	1	DURALON JOURNAL BEARING	
23	8526011	AR	LOCTITE 271, (apply to item 6)	
24	8526007	AR	LOCTITE 242, (apply to item 8)	
K1	8035830	1	SEAL KIT, (includes items 5, 8 thru 17, 19 & 20)	

FIGURE 9-36. SWING CARRIAGE CYLINDER (8042 SN 19235 through 19987, SN 0160002332 through 0160045249; 10042 SN 19242 through 19987, SN 0160002332 through 0160045249; 10054 SN 19081 through 19987, SN 0160002332 through 0160045249; Including 0160045255, 0160045255 and 0160045255)

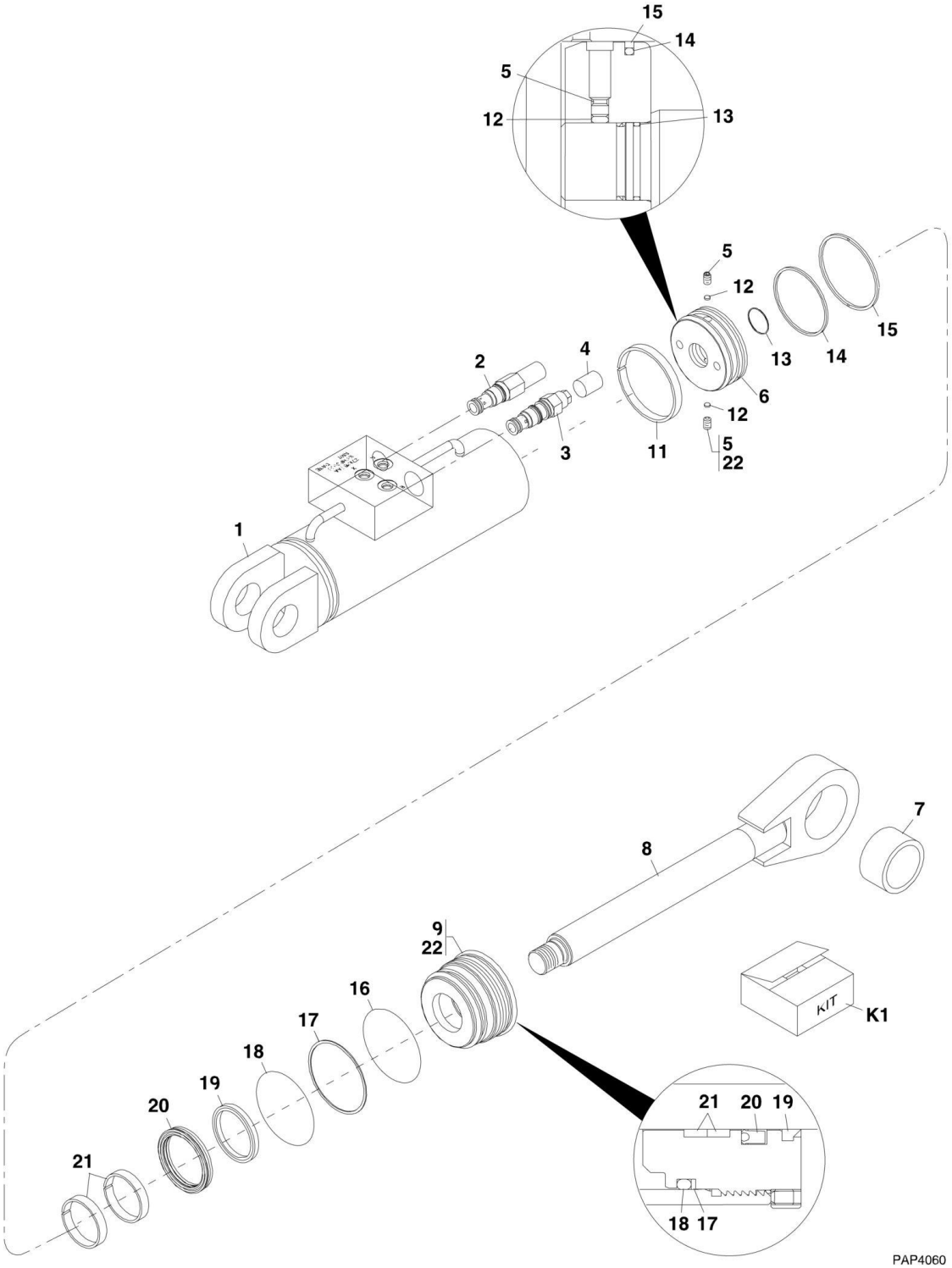


FIGURE 9-36. SWING CARRIAGE CYLINDER (8042 SN 19235 through 19987, SN 0160002332 through 0160045249; 10042 SN 19242 through 19987, SN 0160002332 through 0160045249; 10054 SN 19081 through 19987, SN 0160002332 through 0160045249; Including 0160045255, 0160045255 and 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717200	1	SWING CARRIAGE CYLINDER, (includes items 1 thru 21)	C
1	8035864	1	TUBE WELDMENT	
2	70020428	1	RELIEF VALVE CARTRIDGE, 2000 PSI, (torque to 30-35 lb-ft)	
2	7024574	1	SEAL KIT	
3	8033786	1	COUNTERBALANCE VALVE, 3000 PSI, (torque to 30-35 lb-ft)	
3	8025655	1	SEAL KIT	
4	70021812	1	CAP	
5	8035536	2	SET SCREW, 1/2-20X1/4, (Loctite and torque to 85-95 lb-ft)	
6	8035863	1	PISTON	
7	70022046	1	DURALON JOURNAL BEARING	
8	8035861	1	ROD WELDMENT	
9	8035862	1	HEAD GLAND, (Loctite and torque to 250-350 lb-ft)	
11	Kit	1	PRECISION WEARBAND	
12	Kit	2	NYLON BALL	
13	Kit	1	O-RING	
14	Kit	1	O-RING	
15	Kit	1	PISTON SEAL	
16	Kit	1	O-RING	
17	Kit	1	BACK UP RING	
18	Kit	1	O-RING	
19	Kit	1	WIPER RING	
20	Kit	1	Z-SEAL	
21	Kit	2	PRECISION WEARBAND	
22	8526007	AR	LOCTITE 242, (apply to items 5 & 9)	
K1	8036783	1	SEAL KIT, (includes items 11 thru 21)	

FIGURE 9-37. SIDE TILT CARRIAGE CYLINDER (SN 13198 through 19987, SN 0160002332 through 0160045249, Including 0160045255)

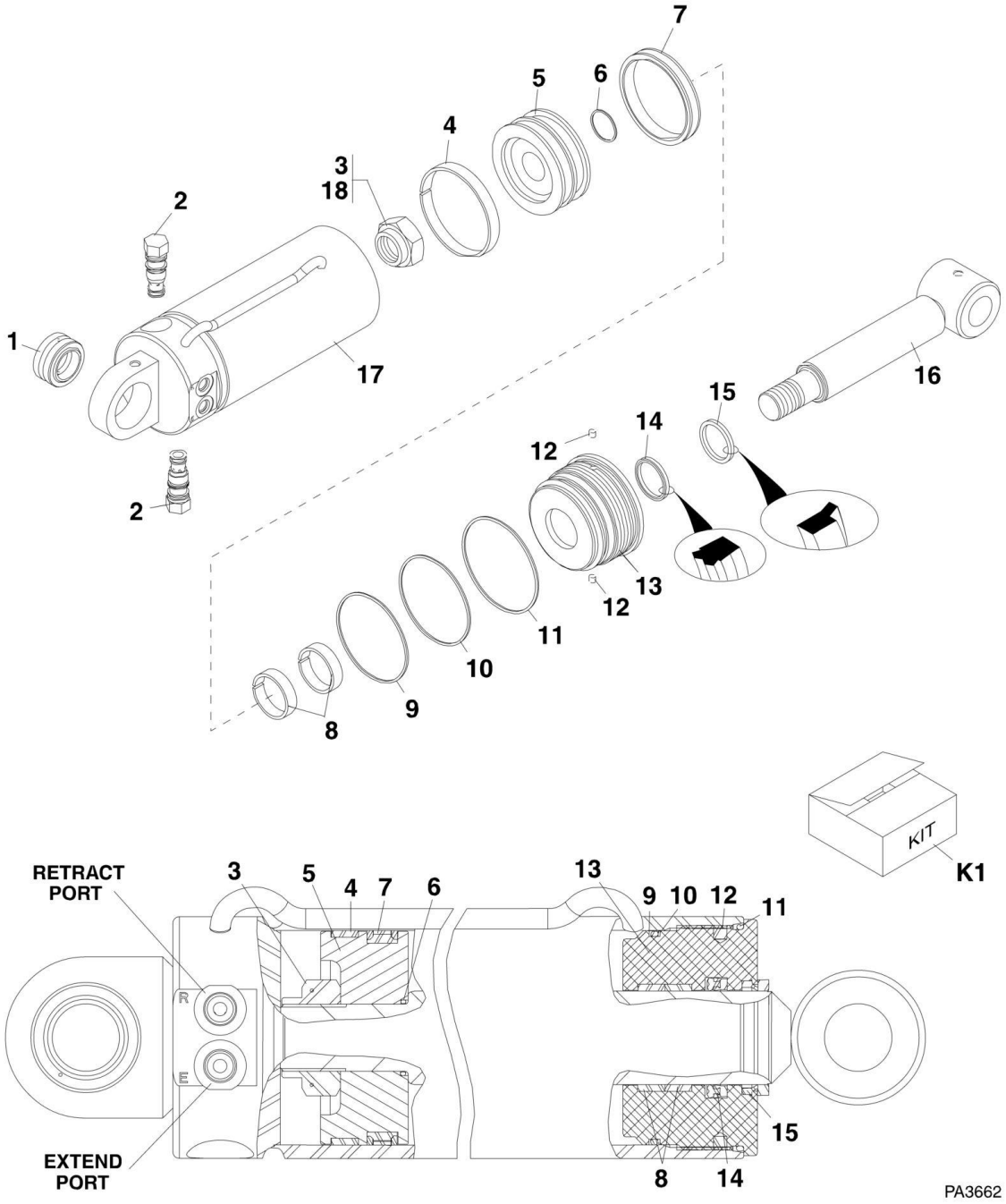
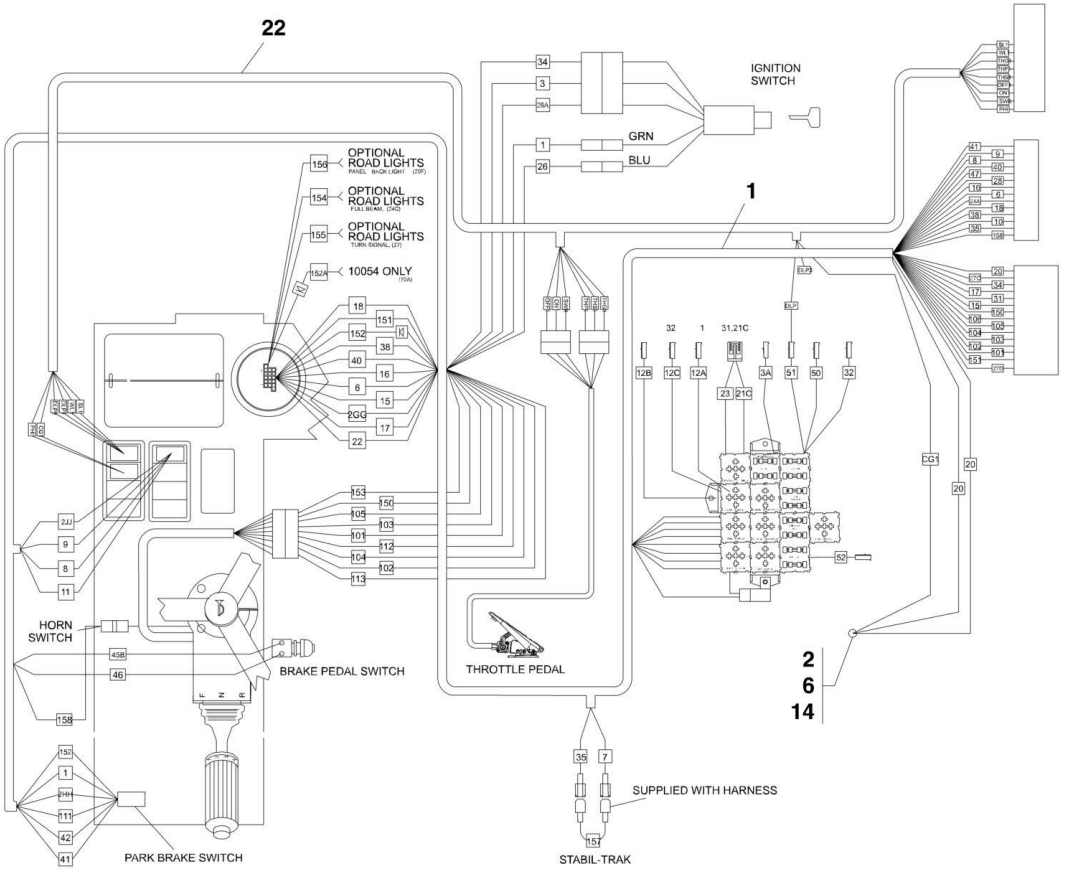


FIGURE 9-37. SIDE TILT CARRIAGE CYLINDER (SN 13198 through 19987, SN 0160002332 through 0160045249, Including 0160045255)

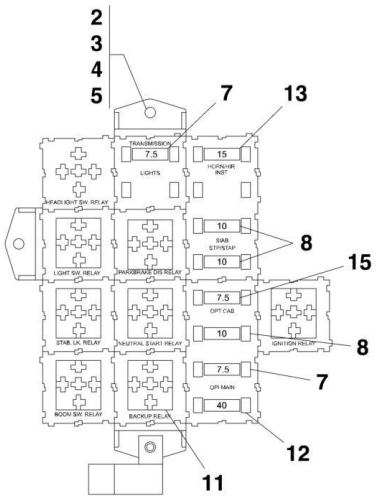
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716143	1	SIDE TILT CARRIAGE CYLINDER, (includes items 1 thru 17)	C, F
1	8036451	1	SPHERICAL BEARING	
2	8036750	2	CHECK VALVE, (torque to 30-35 lb-ft)	
2	2900770	1	SEAL KIT	
3	8035865	1	LOCKNUT, (Loctite and torque to 550-650 lb-ft)	
4	Kit	1	PRECISION WEARBAND	
5	8035868	1	PISTON	
6	Kit	1	O-RING	
7	Kit	1	CAPPED T-SEAL	
8	Kit	2	PRECISION WEARBAND	
9	Kit	1	O-RING	
10	Kit	1	BACK-UP RING	
11	Kit	1	O-RING	
12	Kit	2	LOCKING INSERT	
13	8035867	1	HEAD GLAND, (torque to 300-400 lb-ft)	
14	Kit	1	DEEP Z-SEAL	
15	Kit	1	WIPER SEAL	
16	8035866	1	ROD WELDMENT	
17	N.S.S.	1	TUBE WELDMENT	
18	8526011	1	LOCTITE 271	
K1	8035831	1	SEAL KIT, (includes items 4, 6 thru 12, 14 & 15)	

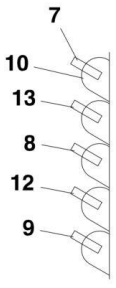
SECTION 10 - ELECTRICAL

FIGURE 10-1. CAB HARNESS (SN 0160002332 through 0160040220, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

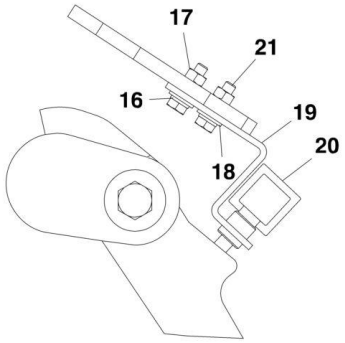


8042
WIRING DIAGRAM



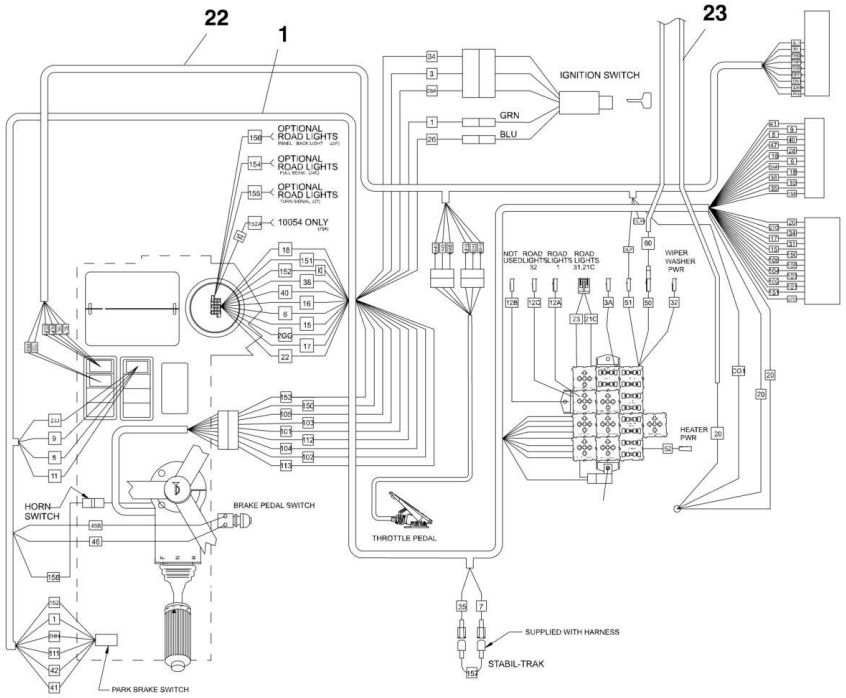


SPARE FUSES

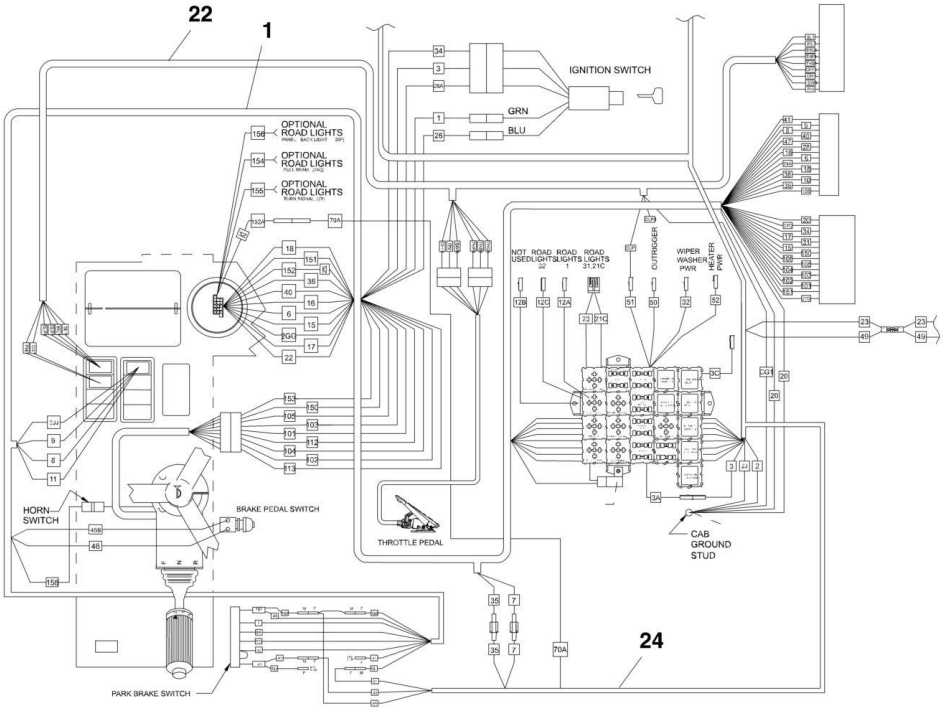


BRAKE BRACKET

PH4980



10042
WIRING DIAGRAM



10054
WIRING DIAGRAM

PH4990

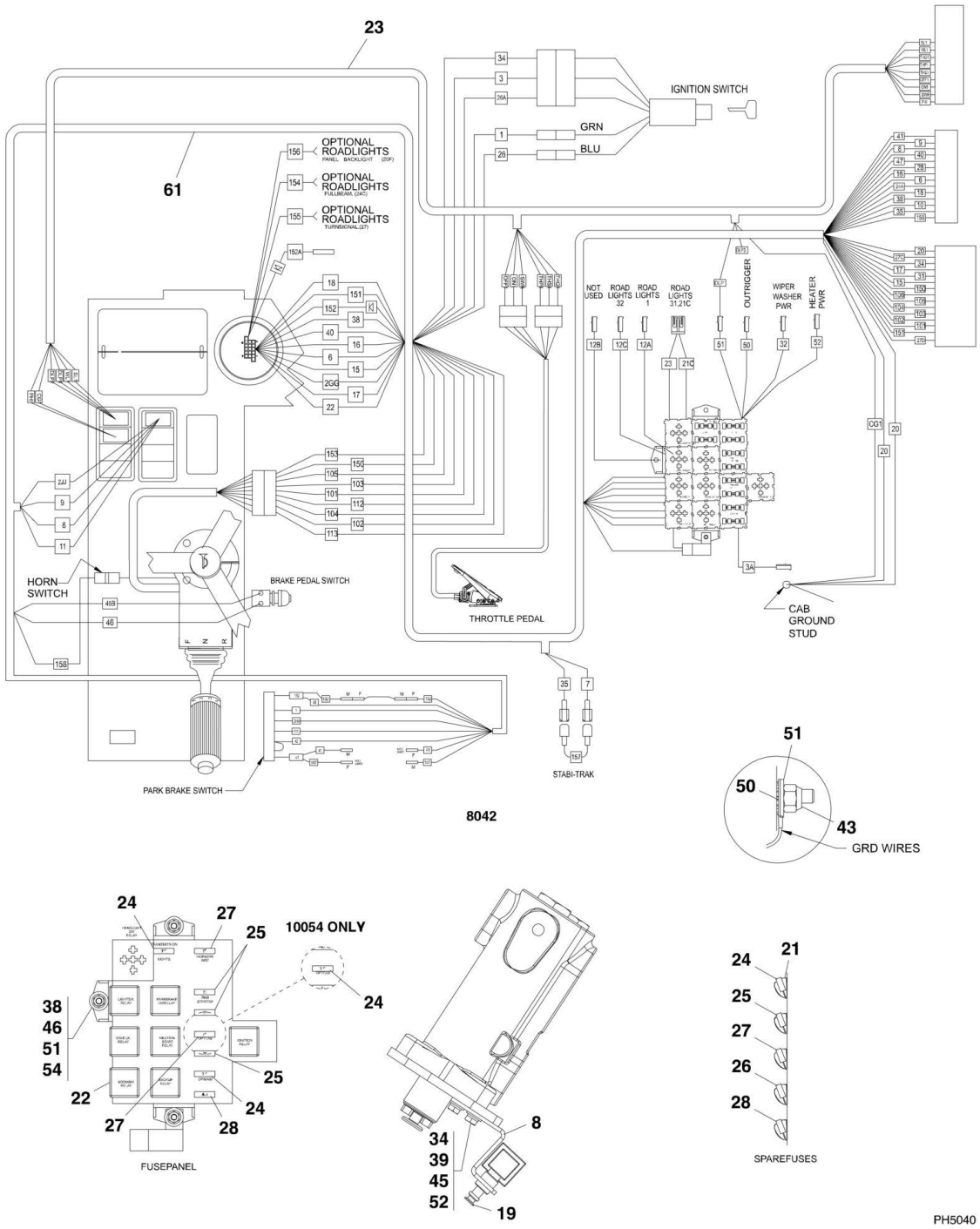
SECTION 10 - ELECTRICAL

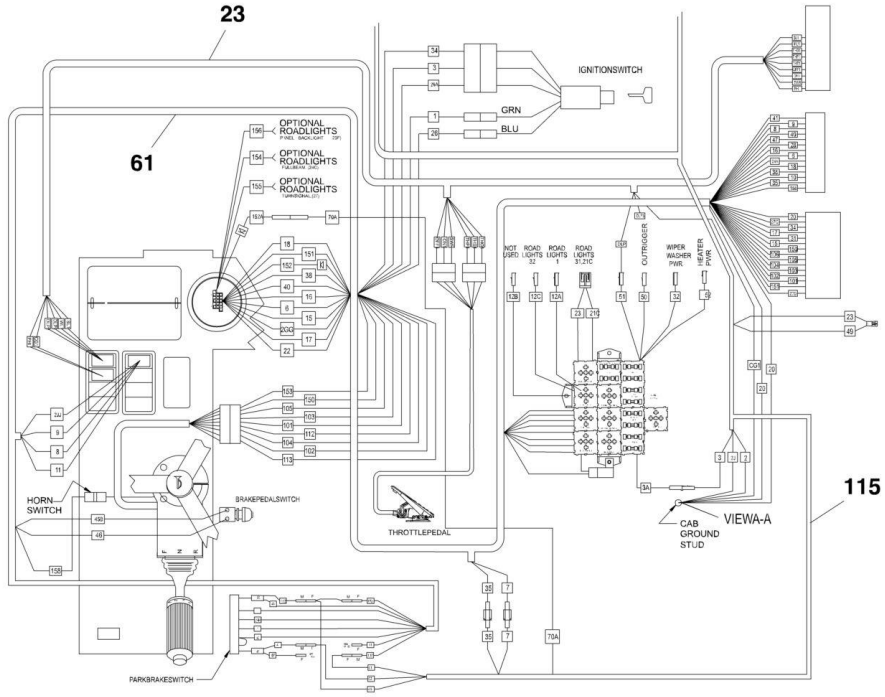
FIGURE 10-1. CAB HARNESS (SN 0160002332 through 0160040220, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001092192	Ref	ELECTRICAL INSTALLATION, (not available to order, see items 1 thru 22 and ENGINE HARNESS for service), (8042) **(8042 SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)**	F
	1001107358	Ref	ELECTRICAL INSTALLATION, (not available to order, see items 1 thru 22 and ENGINE HARNESS for service), (8042) **(8042 SN 0160038967 through 0160045249; Including 0160045255, Excluding 0160038971, 0160038984, 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	C
	1001092193	Ref	ELECTRICAL INSTALLATION, (not available to order, see items 1 thru 23 and ENGINE HARNESS for service), (10042) **(10042 SN 0160002332 through 0160038368; Including 0160038375)**	G
	1001107359	Ref	ELECTRICAL INSTALLATION, (not available to order, see items 1 thru 23 and ENGINE HARNESS for service), (10042) **(10042 SN 0160038368 through 0160045249; Including 0160045255, Excluding 0160038375, 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	C
	1001092195	Ref	ELECTRICAL INSTALLATION, (not available to order, see items 1 thru 22, item 24 and ENGINE HARNESS for service), (10054) **(10054 SN 0160002332 through 0160038740; Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	F
	1001107360	Ref	ELECTRICAL INSTALLATION, (not available to order, see items 1 thru 22, item 24 and ENGINE HARNESS for service), (10054) **(10054 SN 0160038740 through 0160045249; Including 0160045255, 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	C
1	7301818	1	CAB HARNESS	E
2	8307106	4	FLAT WASHER, 5/16	
3	8307111	3	FLAT WASHER, #10	
4	8307003	3	LOCKWASHER, #10	
5	8305002	3	HEX NUT, #10-24	
6	8307027	1	LOCKWASHER, 5/16, (external tooth)	
7	8229233	3	FUSE, 7.5 AMP, (Brown)	
8	8229234	4	FUSE, 10 AMP, (Red)	
9	8229235	1	FUSE, 20 AMP, (Yellow)	
10	8582007	5	SPARE FUSE CLIP	
11	8225119	7	SEALED RELAY, 12V	
12	8229238	2	FUSE, 40 AMP, (Orange)	
13	8229237	2	FUSE, 15 AMP, (Blue)	
14	8305624	1	LOCKNUT, 1/4	
15	8229233	1	FUSE, 7.5 AMP, (Brown) (10054,8042)	
15	8229237	1	FUSE, 15 AMP, (Blue) (10042)	
16	8307002	2	LOCKWASHER, 1/4	
17	8305004	2	HEX NUT, 1/4-20	
18	8307109	2	WASHER, 1/4	
19	7139271	1	BRAKE SWITCH BRACKET (10042,10054,8042) **(8042 SN 0160002332 through 0160038967; 10054 SN 0160002332 through 0160038740, Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723; Including 0160038971 and 0160038375)**	

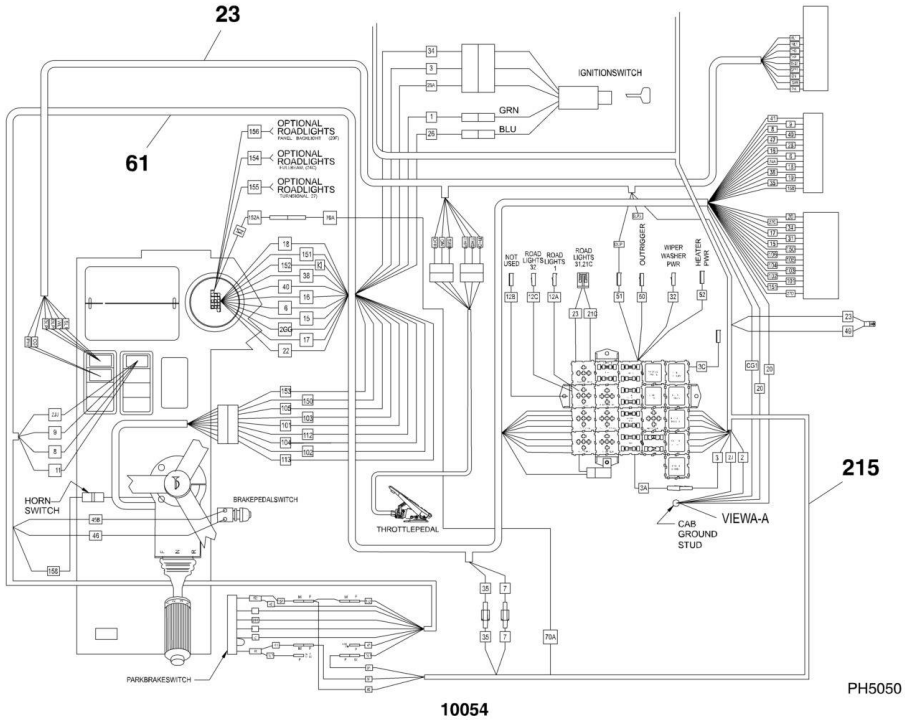
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	1001107355	1	BRAKE SWITCH BRACKET (10042,10054,8042) **(8042 SN 0160038967 through 0160045249, Excluding 0160038971; 10042 SN 0160038368 through 0160045249, Excluding 0160038375; 10054 SN 0160038740 through 0160045249; Including 0160045255, 0160045255, 0160045255, 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220, 0160043244 and 0160038984)**	
20	8223025	1	SERVICE BRAKE SWITCH	
21	8303540	2	HEX HD CAPSCREW, 1/4-20X1	
22	7301514	1	ECM CAB HARNESS	
23		Ref	OUTRIGGER HARNESS, (See OUTRIGGER HARNESS for Breakdown)	
24		Ref	LOGIC HARNESS, (See OUTRIGGER HARNESS for Breakdown)	

FIGURE 10-2. CAB HARNESS (SN 0160040220 through 0160045249, Including 0160045255, 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)




23
61
IGNITIONSWITCH
GRN
BLU
OPTIONAL ROADLIGHTS
OPTIONAL ROADLIGHTS
OPTIONAL ROADLIGHTS
NOT USED
ROAD LIGHTS 32
ROAD LIGHTS 1
ROAD LIGHTS 31,21C
OUTRIGGER
WIPER WASHER PWR
HEATER PWR
HORN-SWITCH
BRAKEPEDALSWITCH
THROTTLEPEDAL
CAB GROUND STUD
VIEWA-A
115
70A
PARKBRAKESWITCH

10042


23
61
IGNITIONSWITCH
GRN
BLU
OPTIONAL ROADLIGHTS
OPTIONAL ROADLIGHTS
OPTIONAL ROADLIGHTS
NOT USED
ROAD LIGHTS 32
ROAD LIGHTS 1
ROAD LIGHTS 31,21C
OUTRIGGER
WIPER WASHER PWR
HEATER PWR
HORN-SWITCH
BRAKEPEDALSWITCH
THROTTLEPEDAL
CAB GROUND STUD
VIEWA-A
215
70A
PARKBRAKESWITCH
PH5050

10054

FIGURE 10-2. CAB HARNESS (SN 0160040220 through 0160045249, Including 0160045255, 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119175	Ref	ELECTRICAL INSTALLATION (not available to order, see items 8 thru 61 and ENGINE HARNESS for service) (8042)	C
	1001119174	Ref	ELECTRICAL INSTALLATION (not available to order, see items 8 thru 61, item 115 and ENGINE HARNESS for service) (10042)	C
	1001117610	Ref	ELECTRICAL INSTALLATION (not available to order, see items 8 thru 61, item 215 and ENGINE HARNESS for service) (10054)	C
8	1001107355	1	BRAKE SWITCH BRACKET	
19	8223025	1	BRAKE LIGHTS MOMENTARY SWITCH	
21	8582007	5	SPARE FUSE CLIP	
22	8225119	7	SEALED RELAY	
23	1001128396	1	ECM CAB HARNESS	
24	8229233	3	FUSE, 7.5 AMP (10042,8042)	
24	8229233	4	FUSE, 7.5 AMP (10054)	
25	8229234	4	FUSE, 10 AMP	
26	8229235	1	FUSE, 20 AMP	
27	8229237	3	FUSE, 15 AMP (10042,8042)	
27	8229237	2	FUSE, 15 AMP (10054)	
28	8229238	2	FUSE, 40 AMP	
34	8303540	2	HEX HD CAPSCREW, 1/4-20X1.00, GR5	
38	8305002	3	HEX NUT, #10-24	
39	8305004	2	HEX NUT, 1/4-20	
43	8305624	1	LOCKNUT, 1/4-20	
45	8307002	2	LOCKWASHER, 1/4	
46	8307003	3	LOCKWASHER, #10	
50	8307027	1	LOCKWASHER, EXTERNAL TOOTH, 5/16	
51	8307106	4	WASHER, 5/16	
52	8307109	2	WASHER, 1/4	
54	8307111	3	WASHER, #10	
61	1001104036	1	CAB HARNESS	
115		Ref	OUTRIGGER HARNESS (see OUTRIGGER HARNESS for Breakdown) (10042)	
215		Ref	LOGIC HARNESS (see OUTRIGGER HARNESS for Breakdown) (10054)	

FIGURE 10-3. ENGINE HARNESS (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

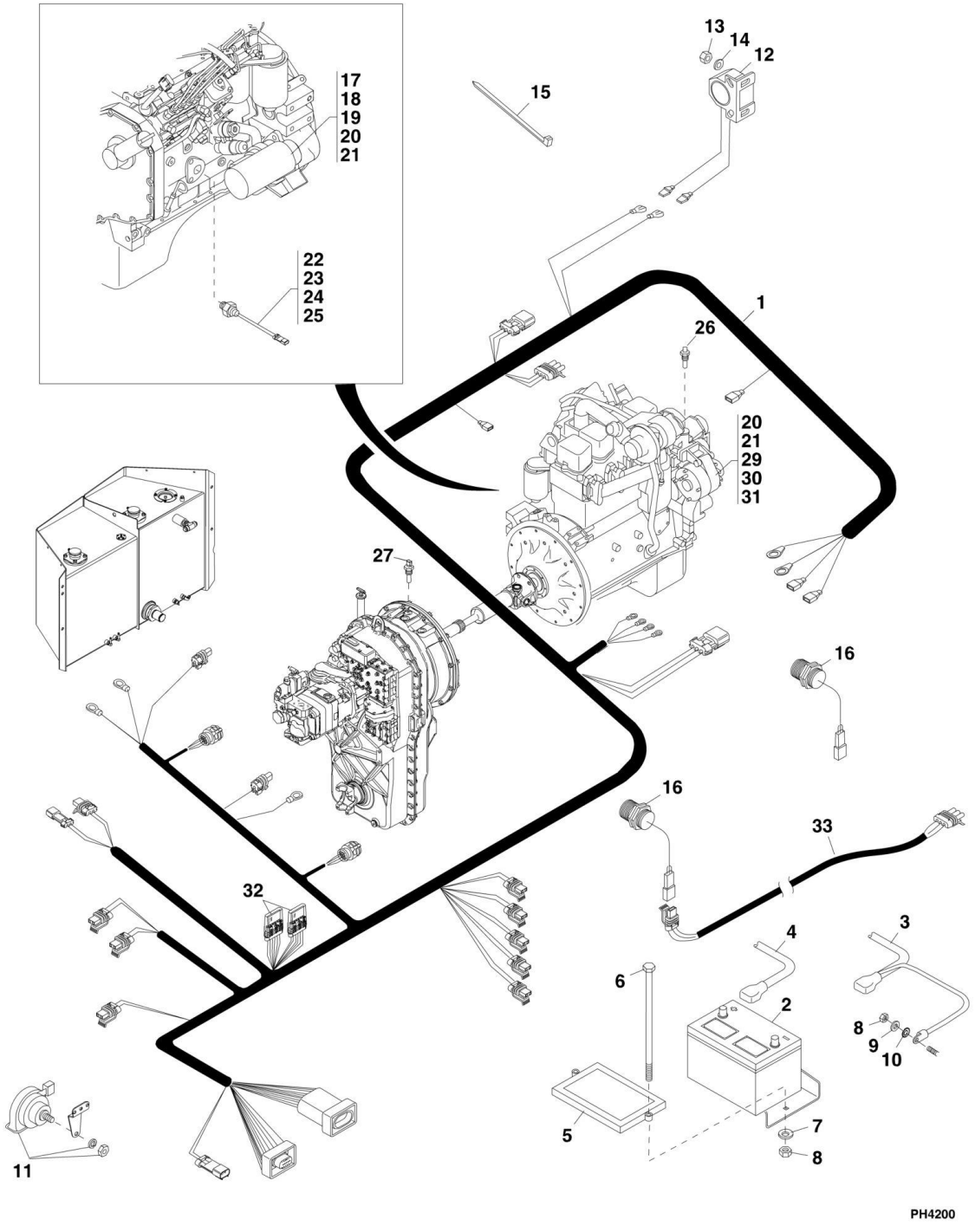


FIGURE 10-3. ENGINE HARNESS (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7150714	1	ENGINE HARNESS	
2	8270134	1	BATTERY, 12V	
3	7150745	1	SINGLE BATTERY NEGATIVE CABLE	
4	7150746	1	SINGLE BATTERY POSITIVE CABLE	
5	7138830	1	BATTERY HOLD-DOWN	
6	8310344	2	HEX HD CAPSCREW, 3/8-16X10	
7	8307204	2	FLAT WASHER, 3/8	
8	8305645	3	LOCKNUT, 3/8	
9	8307110	1	FLAT WASHER, 3/8	
10	8307026	1	LOCKWASHER, 3/8, (external tooth)	
11	8270620	1	HORN, (includes mounting hardware)	
12		Ref	BACKUP ALARM, (no longer available, use kit 2915184 on ENGINE HARNESS with 8042 SN 0160014888 to Present, 10042 SN 0160014861 to Present & 10054 SN 0160014890 to Present for replacement) (10042,10054,8042)	
13	8305004	2	HEX NUT, 1/4-20	
14	8307002	2	LOCKWASHER, 1/4	
15	8584001	AR	TY-RAP	
16		Ref	BOOM ANGLE SENSOR, (see BOOM SECTION for Breakdown)	
17	8033340	1	STARTER, (includes starter solenoid)	
18	8307023	1	LOCKWASHER, M10	
19	8305438	1	HEX JAM NUT, M10	
20	8310077	3	HEX JAM NUT, M5-0.8	
21	8310078	3	LOCKWASHER, M5	
22		Ref	LOW OIL PRESSURE SENDER, (no longer available, use kit 2915063 on Engine Harness for replacement) (10042,10054,8042) **(8042 SN 18991 through 19987; 10042 SN 19031 through 19987; 10054 SN 19080 through 19987; SN 0160002332 through 0160014865, SN 0160002332 through 0160014697, SN 0160002332 through 0160014864)**	
		Ref	10042 - 19031 thru 19987 & 10054 - 19080 thru 19987 for replacement (10042,10054) **(SN 0160002332 through 0160014697, SN 0160002332 through 0160014864)**	
23	8310041	1	LOCKWASHER, #8, (external tooth)	
24	8305201	1	HEX NUT, #8-32 BRASS	
25	8220073	1	SLIP-ON MALE TERMINAL, #10 SCREW	
26	8223217	1	WATER TEMPERATURE SENDER	
27	8223232	1	TRANSMISSION TEMPERATURE SWITCH	
28	8035276	1	FUEL RUN SOLENOID, (not shown)	
29	8270221	1	ALTERNATOR	
30	8307022	1	LOCKWASHER, M8	
31	8305043	1	HEX NUT, M8-1.25	
32	8035805	2	DIODE PAC	
33	7112592	1	BOOM EXTEND INTERLOCK WIRE ASSY (10054)	

FIGURE 10-4. ENGINE HARNESS (8042 SN 18991 through 19987, SN 0160002332 through 0160014865; 10042 SN 19031 through 19987, SN 0160002332 through 0160014697; 10054 SN 19080 through 19987, SN 0160002332 through 0160014864)

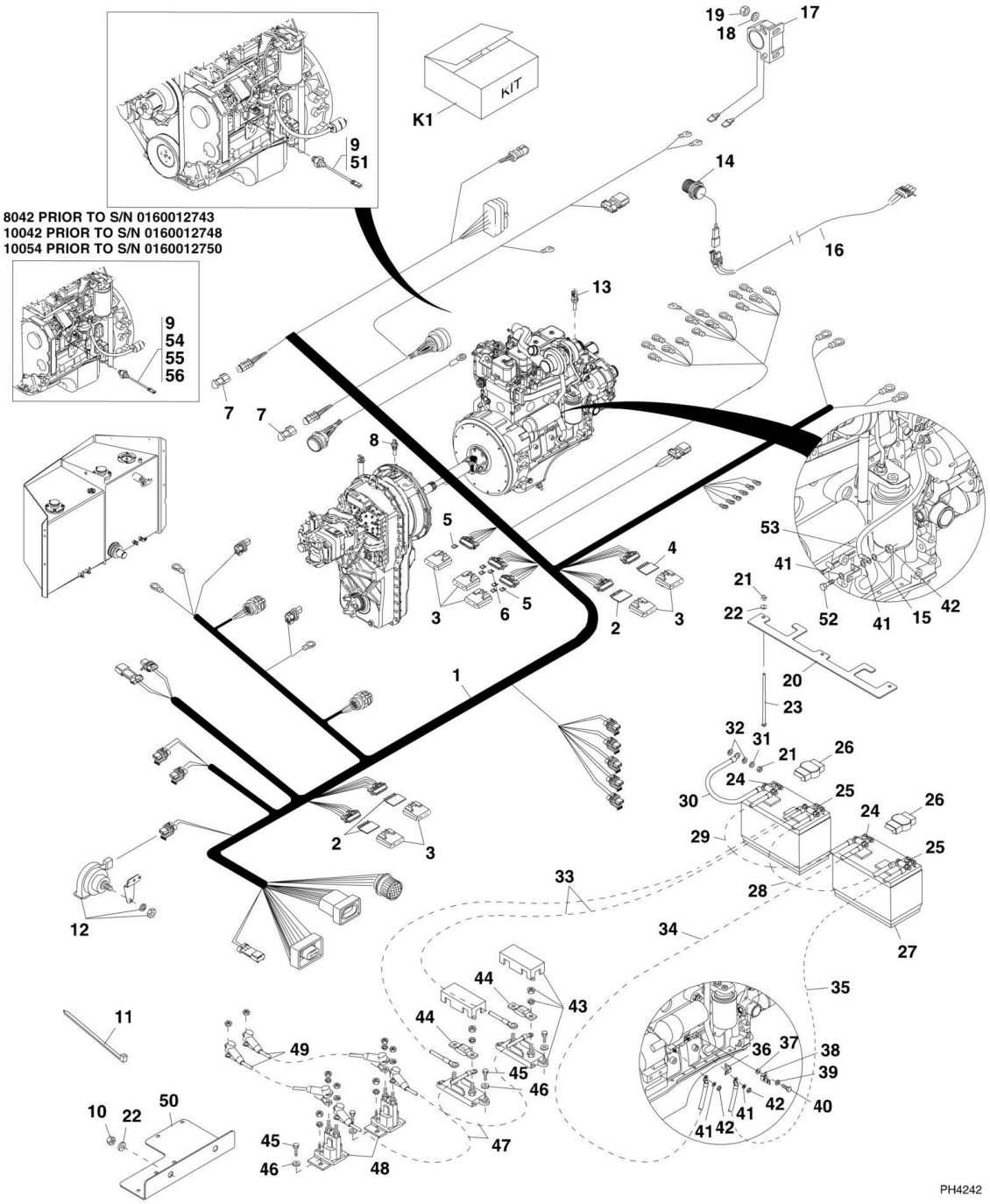


FIGURE 10-4. ENGINE HARNESS (8042 SN 18991 through 19987, SN 0160002332 through 0160014865; 10042 SN 19031 through 19987, SN 0160002332 through 0160014697; 10054 SN 19080 through 19987, SN 0160002332 through 0160014864)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7301515	1	ENGINE HARNESS, (includes items 2 thru 7) (10042,10054,8042) **(8042 SN 18991 through 19987, SN 0160002332 through 0160012533; 10042 SN 19031 through 19987, SN 0160002332 through 0160012505; 10054 SN 19080 through 19987, SN 0160002332 through 0160012542)**	G
1	4923267	1	ENGINE HARNESS, (includes items 2 thru 7), (10042,10054,8042) **(8042 SN 0160012559 through 0160014865; 10042 SN 0160012588 through 0160014861; 10054 SN 0160012558 through 0160014864)**	D
2	8220366	3	CIRCUIT BOARD, 3 DIODE	
3	8220357	7	CLEAR VES-PAC COVER	
4	8220364	1	CIRCUIT BOARD, 2 DIODE	
5	8229243	3	MINI FUSE, 7.5A	
6	8229234	4	MINI FUSE, 10A	
7	8220553	2	RESISTOR	
8	8223232	1	TRANSMISSION TEMPERATURE SWITCH	
9	8223532	NLA	LOW OIL PRESSURE SENDER, (no longer available, use kit 2915063 for replacement) (10042,10054,8042) **(8042 SN 18991 through 19987, SN 0160002332 through 0160012742; 10042 SN 19031 through 19987, SN 0160002332 through 0160012747; 10054 SN 19080 through 19987, SN 0160002332 through 0160012749)**	
9	4360609	1	LOW OIL PRESSURE SENDER (10042,10054,8042) **(8042 SN 0160012743 through 0160045249; 10042 SN 0160012748 through 0160045249; 10054 SN 0160012750 through 0160045249; Including 0160045255, 0160045255 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
10	8305008	2	HEX NUT, 3/8-16	
11	8584001	AR	TIE WRAP	
12	8270620	1	HORN	
13	8223244	1	WATER TEMPERATURE SENDER	
14		Ref	BOOM ANGLE SENSOR, (See BOOM SECTION for Breakdown)	
15	8307023	2	LOCKWASHER, M10	
16	7112592	1	BOOM EXTEND INTERLOCK WIRE ASSY (10054)	
17		Ref	BACKUP ALARM, (no longer available, use kit 2915184 on ENGINE HARNESS with 8042 SN 0160014888 to Present, 10042 SN 0160014861 to Present, 10054 SN 0160014890 to Present for replacement) (10042,10054,8042)	
18	4711400	2	FLAT WASHER, 1/4	
19	8305624	2	HEX LOCKNUT, 1/4-20	
20	7301841	1	BATTERY HOLD-DOWN	
21	8305645	4	LOCKNUT, 3/8	
22	83071110	5	WASHER, 3/8	
23	8304014	3	BATTERY HOLD-DOWN BOLT	
24	8270147	2	NEGATIVE BATTERY CLAMP	
25	8270148	2	POSITIVE BATTERY CLAMP	
26	7301893	2	POSITIVE BATTERY TERMINAL INSULATOR	
27	8270144	2	BATTERY, 12V	
28	7301522	1	POSITIVE BATTERY CABLE	
29	7301523	1	NEGATIVE BATTERY CABLE	
30	7300343	1	NEGATIVE BATTERY CABLE	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
31	8307112	1	FLAT WASHER, 1/2	
32	10701363	1	LOCKWASHER, 5/8, (external tooth)	
33	7301524	2	GRID HEATER BATTERY-FUSE CABLE	
34	7301836	1	GROUND BATTERY CABLE	
35	7301835	1	POWER BATTERY CABLE	
36	6621412	1	STARTER TERMINAL, 90	
37	8310650	4	LOCKWASHER, M12, (external tooth)	
38	7300344	1	NEGATIVE STARTER BUS BAR	
39	8307220	1	PLAIN WASHER, M12	
40	8303533	2	HEX HD CAPSCREW, M12X1.75X20mm, PC8.8	
41	8307221	4	PLAIN WASHER, M10	
42	8305038	3	HEX NUT, M10X1.50	
43	8229260	2	MEGA FUSEBLOCK, (includes nuts and lockwasher)	
44	8229259	2	MEGA FUSE, 125A	
45	8303545	10	HEX HD CAPSCREW, M6X1.0X16mm, PC8.8	
46	8307219	10	PLAIN WASHER, M6	
47	7301448	2	GRID HEATER FUSE RELAY CABLE	
48	8225122	2	GRID HEATER RELAY, (includes nuts and lockwasher)	
49	7301525	2	GRID HEATER FUSE RELAY CABLE	
50	7301829	1	RELAY MOUNTING BRACKET	
51	4923283	1	PRESSURE SWITCH JUMPER (10042,10054,8042) **(8042 SN 0160012743 through 0160045249; 10042 SN 0160012748 through 0160045249; 10054 SN 0160012750 through 0160045249; Including 0160045255, 0160045255 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
52	8303777	2	HEX HD CAPSCREW, M10X1.5X35mm, PC8.8	
53	7310012	1	FUSIBLE LINK, 150AMP	
54	8310041	1	LOCKWASHER, #8, (external tooth)	
55	8305201	1	HEX NUT, #8-32 BRASS	
56	8220073	1	SLIP-ON MALE TERMINAL, #10 SCREW	
K1	2915063	1	PRESSURE SWITCH KIT, (includes items 9 & 51)	

FIGURE 10-5. ENGINE HARNESS (8042 SN 0160014888 through 0160029584; 10042 SN 0160014861 through 0160029583; 10054 SN 0160014890 through 0160029586)

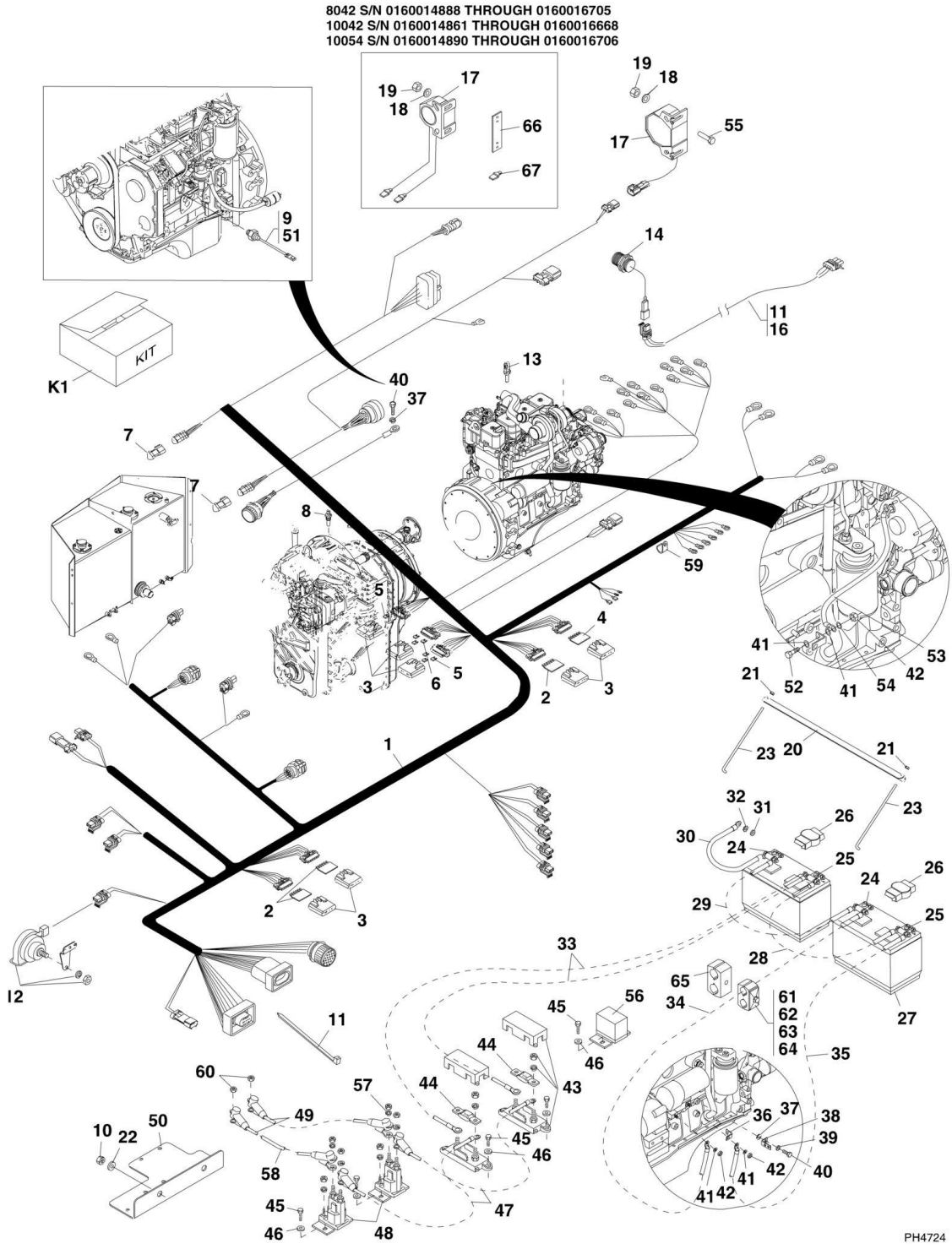


FIGURE 10-5. ENGINE HARNESS (8042 SN 0160014888 through 0160029584; 10042 SN 0160014861 through 0160029583; 10054 SN 0160014890 through 0160029586)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	4923364	1	ENGINE HARNESS, (includes items 2 thru 7)	D
2	8220366	3	CIRCUIT BOARD, 3 DIODE	
3	8220357	7	CLEAR VES-PAC COVER	
4	8220364	1	CIRCUIT BOARD, 2 DIODE	
5	8229243	3	MINI FUSE, 7.5A	
6	8229234	4	MINI FUSE, 10A	
7	8220552	2	CONNECTOR	
7	8220553	2	CONNECTOR	
8	8223232	1	TRANSMISSION TEMPERATURE SWITCH	
9	4360609	1	LOW OIL PRESSURE SENDER	
10	835008	2	HEX NUT, 3/8-16	
11	8584001	AR	TIE WRAP	
12	8270620	1	HORN	
13	8223244	1	WATER TEMPERATURE SENDER	
14		Ref	BOOM ANGLE SENSOR, (See BOOM SECTION for Breakdown)	
16	7112592	1	BOOM EXTEND INTERLOCK WIRE ASSY (10054)	
17	Kit	NLA	BACKUP ALARM (no longer available, use kit 2915184 for replacement) (10042,10054,8042) **(8042 SN 0160014888 through 0160016705; 10042 SN 0160014861 through 0160016668; 10054 SN 0160014890 through 0160016706)**	
17	8270621	1	BACKUP ALARM (10042,10054,8042) **(8042 SN 0160016727 through 0160029584; 10042 SN 0160016784 through 0160029583; 10054 SN 0160016729 through 0160029586)**	
18	4711400	2	FLAT WASHER, 1/4	
19	8305624	2	HEX LOCKNUT, 1/4-20	
20	91401299	1	BATTERY HOLD-DOWN	
21	3311508	2	LOCKNUT, 5/16-18	
22	8307110	2	WASHER, 3/8	
23	91081640	2	BATTERY HOLD-DOWN BOLT	
24	8270147	2	NEGATIVE BATTERY CLAMP	
25	8270148	2	POSITIVE BATTERY CLAMP	
26	7301893	2	POSITIVE BATTERY TERMINAL INSULATOR	
27	0400075	2	BATTERY, 12V	
28	7301522	1	POSITIVE BATTERY CABLE	
29	7301523	1	NEGATIVE BATTERY CABLE	
30	7300343	1	NEGATIVE BATTERY CABLE	
31	8307112	1	FLAT WASHER, 1/2	
32	10701363	1	LOCKWASHER, 5/8, (external tooth)	
33	7301524	2	GRID HEATER BATTERY-FUSE CABLE	
34	7301836	1	GROUND BATTERY CABLE	
35	7301835	1	POWER BATTERY CABLE	
36	6621412	1	STARTER TERMINAL, 90	
37	8310650	4	LOCKWASHER, M12, (external tooth)	
38	7300344	1	NEGATIVE STARTER BUS BAR	
39	8307220	1	PLAIN WASHER, M12	
40	8303533	2	HEX HD CAPSCREW, M12X1.75X20mm, PC8.8	
41	8307221	5	PLAIN WASHER, M10	
42	8305038	3	HEX NUT, M10X1.50	
43	8229260	2	MEGA FUSEBLOCK, (includes nuts and lockwasher)	
44	8229259	2	MEGA FUSE, 125A	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	8303545	10	HEX HD CAPSCREW, M6X1.0X16mm, PC8.8	
46	8307219	10	PLAIN WASHER, M6	
47	7301448	2	GRID HEATER FUSE RELAY CABLE	
48	8225122	2	GRID HEATER RELAY, (includes nuts and lockwasher)	
49	7301525	2	GRID HEATER FUSE RELAY CABLE	
50	0903311	1	RELAY MOUNTING BRACKET	
51	4923283	1	PRESSURE SWITCH JUMPER	
52	8303777	2	HEX HD CAPSCREW, M10X1.5X35mm, PC8.8	
53	7310012	1	FUSIBLE LINK, 150AMP	
54	8307023	2	LOCKWASHER, M10	
55	0641406	2	HEX HD CAPSCREW, 1/4-20X3/4, GR5,	
56	77383377	1	STARTER RELAY, 75 AMP	
57	8310431	4	LOCKWASHER, 5/16	
58	7125811	AR	CONDUIT	
59	8406105	1	TUBE CLIP	
60	8305047	2	HEX NUT, M6X1.00	
61	8750027	1	TWIN CLAMP SET	
62	8769128	1	COVER PLATE	
63	8310009	1	HEX HD CAPSCREW, 5/16-18X2, GR5	
64	8307004	1	LOCKWASHER, 5/16	
65		Ref	TWIN CLAMP SET, (See HYDRAULIC CIRCUITS SECTION for Breakdown)	
66	3576433	1	MOUNTING BAR	
67	86683480	2	BUTT CONNECTOR	
K1	2915184	1	BACK-UP ALARM SERVICE KIT, (includes items 17 thru 19, 55, 66 & 67)	

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FIGURE 10-6. ENGINE HARNESS (8042 SN 0160029593 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; 10054 SN 0160029593 through 0160040218, Excluding 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; 10042 SN 0160029607 through 0160040218, Excluding 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

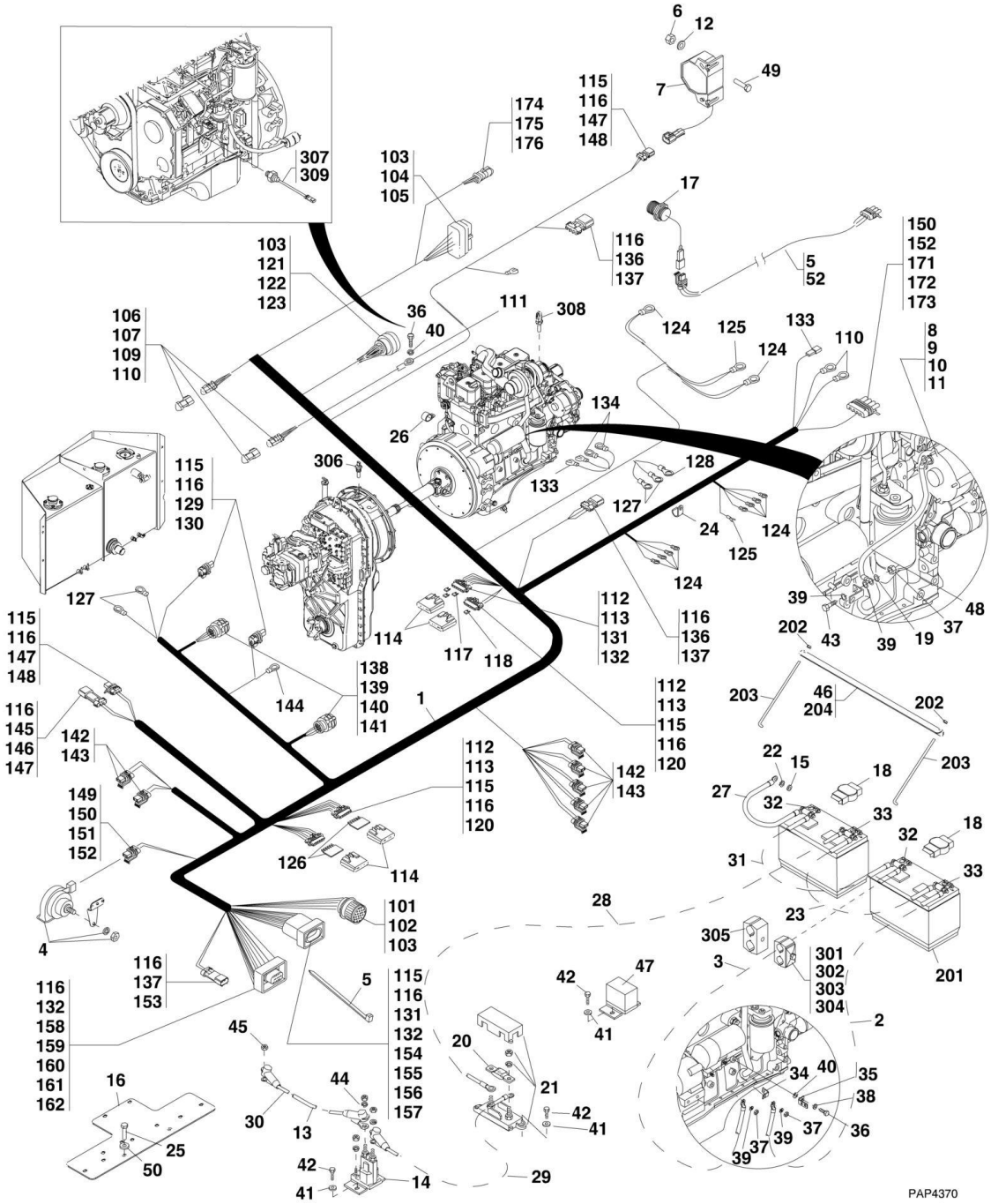


FIGURE 10-6. ENGINE HARNESS (8042 SN 0160029593 through 0160040218, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; 10054 SN 0160029593 through 0160040218, Excluding 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171; 10042 SN 0160029607 through 0160040218, Excluding 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001092192	Ref	ELECTRICAL INSTALLATION, (not available to order, see items 1 thru 51, item 53 and CAB HARNESS for service), (8042) **(8042 SN 0160002332 through 0160038967; Including 0160038971 and 0160038984)**	F
	1001107358	Ref	ELECTRICAL INSTALLATION, (not available to order, see items 1 thru 51, item 53 and CAB HARNESS for service), (8042) **(8042 SN 0160038967 through 0160045249; Including 0160045255, Excluding 0160038971, 0160038984, 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	C
	1001092193	Ref	ELECTRICAL INSTALLATION, (not available to order, see items 1 thru 51, item 53 and CAB HARNESS for service), (10042) **(10042 SN 0160002332 through 0160038368; Including 0160038375)**	G
	1001107359	Ref	ELECTRICAL INSTALLATION, (not available to order, see items 1 thru 51, item 53 and CAB HARNESS for service), (10042) **(10042 SN 0160038368 through 0160045249; Including 0160045255, Excluding 0160038375, 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	C
	1001092195	Ref	ELECTRICAL INSTALLATION, (not available to order, see items 1 thru 51, item 53 and CAB HARNESS for service), (10054) **(10054 SN 0160002332 through 0160038740; Excluding 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723)**	F
	1001107360	Ref	ELECTRICAL INSTALLATION, (not available to order, see items 1 thru 51, item 53 and CAB HARNESS for service), (10042,10054,8042) **(10054 SN 0160038740 through 0160045249; Including 0160045255, 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	C
1	1001091900	1	ENGINE HARNESS, (includes items 101 thru 176)	G
2	7301835	1	POWER BATTERY CABLE	
3	7301836	1	GROUND BATTERY CABLE	
4	8270620	1	HORN	
5	8584001	AR	TIE WRAP	
6	8305624	2	HEX LOCKNUT, 1/4-20	
7	8270621	1	BACK-UP ALARM	
8	8310078	3	LOCKWASHER, M5	
9	8310077	3	HEX JAM NUT, M5-0.8	
10	8307022	1	LOCKWASHER, M8	
11	8305043	1	HEX NUT, M8-1.25	
12	8307109	2	FLAT WASHER, 1/4	
14	8225122	1	GRID HEATER RELAY, (includes nuts and lockwasher)	
15	8307112	1	FLAT WASHER, 1/2	
16	1001093290	1	RELAY MOUNTING BRACKET	
17		Ref	BOOM ANGLE SENSOR, (See BOOM SECTION for Breakdown)	
18	7301893	2	POSITIVE BATTERY TERMINAL INSULATOR	
19	8307023	2	LOCKWASHER, M10	
20	1001095336	1	MEGA FUSE, 150A	
21	8229260	1	MEGA FUSEBLOCK, (includes nuts and lockwasher)	
22	10701363	1	LOCKWASHER, 5/8, (external tooth)	
23	7301522	1	POSITIVE BATTERY CABLE	

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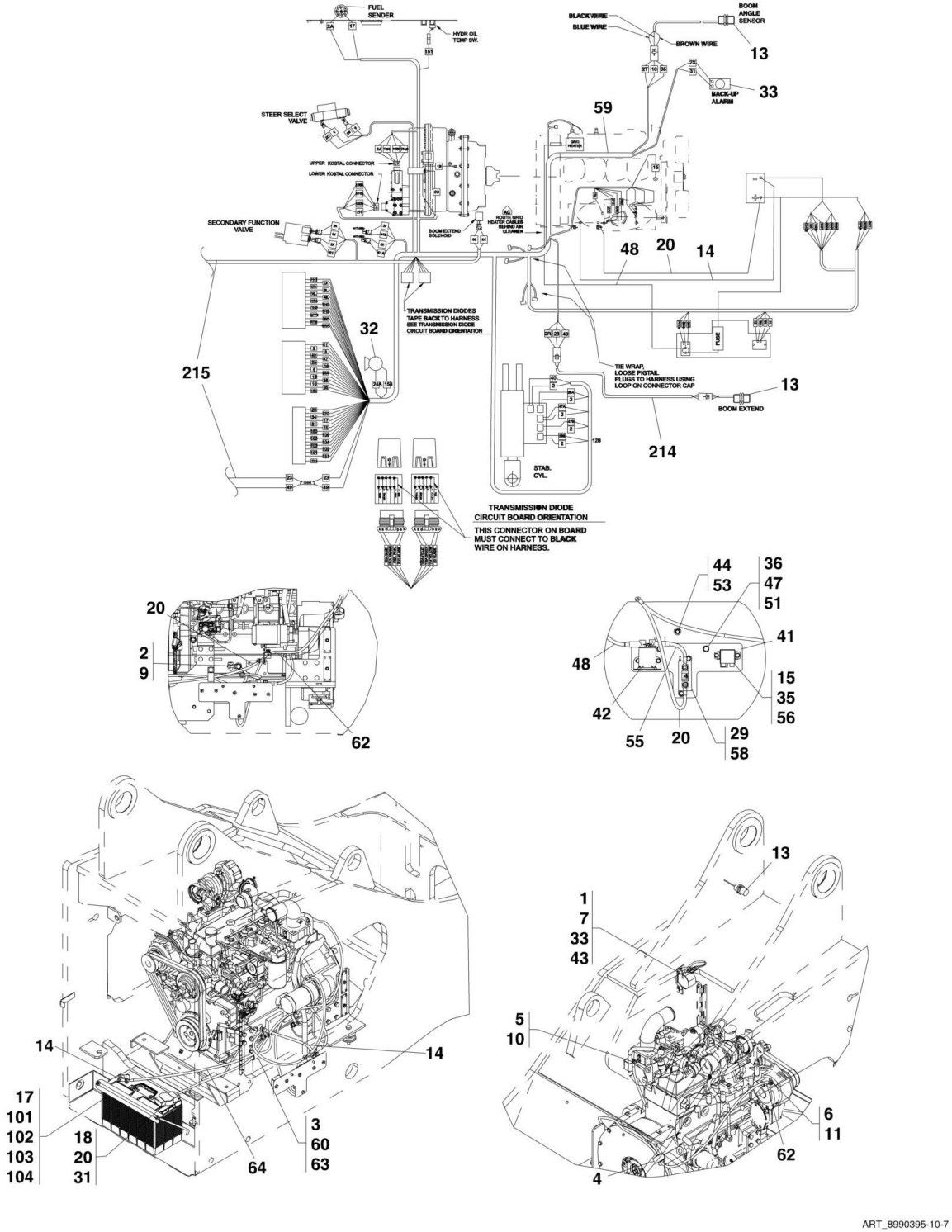
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
24	8406105	1	TUBE CLIP	
25	8303745	2	HEX HD CAPSCREW, 5/16-18X5/8	
26	8406302	2	HOSE CLAMP, 1-1/4 DIA.	
27	7300343	1	NEGATIVE BATTERY CABLE	
28	7301524	1	GRID HEATER BATTERY-FUSE CABLE	
29	7301448	1	GRID HEATER FUSE RELAY CABLE	
30	7301525	1	GRID HEATER FUSE RELAY CABLE	
31	7301523	1	NEGATIVE BATTERY CABLE	
32	8270147	2	NEGATIVE BATTERY CLAMP	
33	8270148	2	POSITIVE BATTERY CLAMP	
34	6621412	1	STARTER TERMINAL, 90	
35	7300344	1	NEGATIVE STARTER BUS BAR	
36	8303533	2	HEX HD CAPSCREW, M12X1.75X20mm, PC8.8	
37	8305038	3	HEX NUT, M10X1.50	
38	8307220	1	PLAIN WASHER, M12	
39	8307221	5	PLAIN WASHER, M10	
40	8310650	4	LOCKWASHER, M12, (external tooth)	
41	8307219	6	PLAIN WASHER, M6	
42	8303545	6	HEX HD CAPSCREW, M6X1.0X16mm, PC8.8	
43	8303777	2	HEX HD CAPSCREW, M10X1.5X35mm, PC8.8	
44	8310431	2	LOCKWASHER, 5/16	
45	8305047	1	HEX NUT, M6X1.00	
46	1001091985	1	DUAL BATTERY HOLD DOWN, (includes items 201 thru 204)	A
47	77383377	1	STARTER RELAY, 75 AMP	
48	7310012	1	FUSIBLE LINK, 150AMP	
49	0641406	2	HEX HD CAPSCREW, 1/4-20X3/4, GR5,	
50	8307004	2	LOCKWASHER, 5/16	
51	7124451	1	CONDUIT (not shown)	
52	7112592	1	BOOM EXTEND INTERLOCK WIRE ASSY (10054)	
53	8310687	2	STARWASHER, 6MM	
101	8220548	1	CONNECTOR	
102	77373229	14	SOCKET TERMINAL	
103	77363230	42	CAVITY PLUG	
104	8220549	1	CONNECTOR	
105	70021824	21	TERMINAL	
106	8220551	2	CONNECTOR	
107	70020891	6	TERMINAL	
109	8220552	2	RECEPTACLE	
110	70021825	2	SECONDARY LOCK	
111	70022735	1	RING TERMINAL	
112	8220944	4	CONNECTOR	
113	8220945	4	PACKARD TPA	
114	8220357	4	COVER	
115	8220086	28	TERMINAL	
116	8220081	48	CABLE SEAL	
117	8226234	3	MINI FUSE, 10A	
118	8229243	1	MINI FUSE, 7.5A	
120	8220088	8	CAVITY PLUG	
121	8220550	1	CONNECTOR	
122	77363246	1	CONNECTOR CAP	
123	70022736	5	TERMINAL	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
124	8220010	10	RING TERMINAL	
125	8220164	1	RING TERMINAL	
126	8220366	2	DIODE BOARD	
127	8220008	4	TERMINAL	
128	8220042	1	RING TERMINAL	
129	8220883	2	CONNECTOR	
130	8220889	2	PACKARD TPA	
131	8220084	9	TERMINAL, FEMALE	
132	8220089	11	CABLE SEAL	
133	8220051	3	TERMINAL	
134	8220012	2	TERMINAL	
135	8220175	1	TERMINAL	
136	8220951	2	CONNECTOR	
137	8220167	8	TERMINAL	
138	8220536	2	CONNECTOR	
139	70022737	8	TERMINAL	
140	70022738	8	CABLE SEAL	
141	70022739	24	SEAL PLUG	
142	8220937	7	CONNECTOR	
143	4460842	14	TERMINAL	
145	8220886	1	CONNECTOR	
146	8220087	1	TERMINAL	
147	8220890	3	PACKARD TPA	
148	8220885	2	CONNECTOR	
149	1001117068	1	CONNECTOR	
150	8220124	3	TERMINAL	
151	70022741	1	PACKARD TPA	
152	8220158	3	CABLE SEAL	
153	8220954	1	CONNECTOR	
154	8220927	1	CONNECTOR	
155	8220928	1	PACKARD TPA	
156	8220931	1	CONNECTOR SEAL	
157	8220932	1	SLIDE LOCK	
158	8220929	1	CONNECTOR	
159	8220930	1	PACKARD TPA	
160	8220161	1	TERMINAL	
161	8220123	1	CABLE SEAL	
162	8220887	14	TERMINAL	
164	80963056	1	CONNECTOR	
165	4460850	1	ERMINAL	
170	4460312	2	TERMINAL	
171	4460590	1	CONNECTOR	
172	4460591	1	PACKARD TPA LOCK	
173	4461215	3	CAVITY PLUG	
175	77363347	4	TERMINAL	
176	70022746	1	SEONDARY LOCK	
201	0400075	2	BATTERY, 12V	
202	3311508	2	LOCKNUT, 5/16-18	
203	90200382	2	BATTERY HOLD-DOWN BOLT	
204	91401299	1	BATTERY HOLD-DOWN	
301	8750027	1	TWIN CLAMP SET	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
302	8769128	1	COVER PLATE	
303	8310009	1	HEX HD CAPSCREW, 5/16-18X2, GR5	
304	8307004	1	LOCKWASHER, 5/16	
305		Ref	TWIN CLAMP SET, (See HYDRAULIC CIRCUITS SECTION for Breakdown)	
306	8223232	1	TRANSMISSION TEMPERATURE SWITCH	
307	4360609	1	LOW OIL PRESSURE SENDER	
308	8223244	1	WATER TEMPERATURE SENDER	
309	4923283	1	PRESSURE SWITCH JUMPER	

FIGURE 10-7. ENGINE HARNESS THRU (SN 0160040220 through 0160045249, Including 0160045255, 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)



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FIGURE 10-7. ENGINE HARNESS THRU (SN 0160040220 through 0160045249, Including 0160045255, 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119175	Ref	ELECTRICAL INSTALLATION (not available to order, see items 1 thru 63 and CAB HARNESS for service) (8042)	C
	1001119174	Ref	ELECTRICAL INSTALLATION (not available to order, see items 1 thru 63 and CAB HARNESS for service) (10042)	C
	1001117610	Ref	ELECTRICAL INSTALLATION (not available to order, see items 1 thru 63, item 214 and CAB HARNESS for service) (10054)	C
1	0641406	2	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
2	0761012	1	HEX HD CAPSCREW, 10X25mm, GR8.8	
3	0791810	1	WHIZ-LOCK SCREW, 1/2-13X1-1/4	
4	1320131	1	HOSE CLAMP	
5	3290601	1	HEX NUT, 6X1mm	
6	3290801	1	HEX NUT, 8X1.25mm	
7	4711400	2	WASHER, 1/4	
9	4812000	1	WASHER, 10mm	
10	4831700	1	SPRING LOCKWASHER, 6mm	
11	4831900	1	SPRING LOCKWASHER, 8mm	
13	7099882	NLA	BOOM SENSOR (no longer available, use 1001130307 for replacement) (10042,8042)	
13	7099882	NLA	BOOM SENSOR (no longer available, use 1001130307 for replacement) (10054)	
13	1001130307	1	BOOM SENSOR (10042,8042)	
14	1001130307	2	BOOM SENSOR (10054)	
15	77383377	1	BOSCH STARTER RELAY	
17	1001108206	1	BATTERY HOLD DOWN INSTALL, (includes items 101 thru 104)	C
18	7301893	1	BATTERY TERMINAL INSULATOR	
20	1001114482	1	POSITIVE BATTERY CABLE	
29	8229260	1	FUSE HOLDER	
31	8270148	1	BATTERY CLAMP, POSITIVE	
32	8270620	1	HORN	
33	8270621	1	BACKUP ALARM	
35	8303545	6	HEX HD CAPSCREW, 6X1X14mm	
36	8303745	2	HEX HD CAPSCREW, 5/16-18X5/8	
41	1001114671	1	RELAY MOUNT BRACKET	
42	1001117308	1	REALY	
43	8305624	2	HEX LOCKNUT, 1/4-20	
44	8305645	1	HEX LOCKNUT, 3/8-16	
47	8307004	2	LOCKWASHER, 5/16	
48	1001118107	1	GRID HEATER CABLE	
51	8307106	2	WASHER, 5/16	
53	8307110	1	WASHER, 3/8	
55	1001118129	1	GRID HEATER FUSE RELAY CABLE	
56	8307219	6	WASHER, 6mm	
58	1001118245	1	FUSE	
59	1001128397	1	ENGINE HARNESS	
60	8310523	1	HEX FLANGE NUT, 1/2-13	
62	1001114480	1	ALTERNATOR TO STARTER CABLE	
63	8406302	1	HOSE CLAMP	
64	1001128663	1	NEGATIVE BATTERY CABLE	
65	1001128665	1	CABLE ENGINE BLOCK GND, (not shown)	
66	1001128666	1	CABLE STARTER GND, (not shown)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	1001101043	NLA	BATTERY, (no longer available, use 1001155219 for replacement)	
101	1001155219	1	BATTERY	
102	91401281	1	BATTERY HOLD DOWN BOLT	
103	91081640	2	BATTERY HOLD DOWN BOLT	
104	77143006	2	WHIZ-LOCK NUT, 5/16-18	
214	7112592	1	BOOM EXTEND HARNESS (10054)	
215		Ref	HARNESS, (See OUTRIGGER HARNESS for Breakdown)	

FIGURE 10-8. OUTRIGGER HARNESS

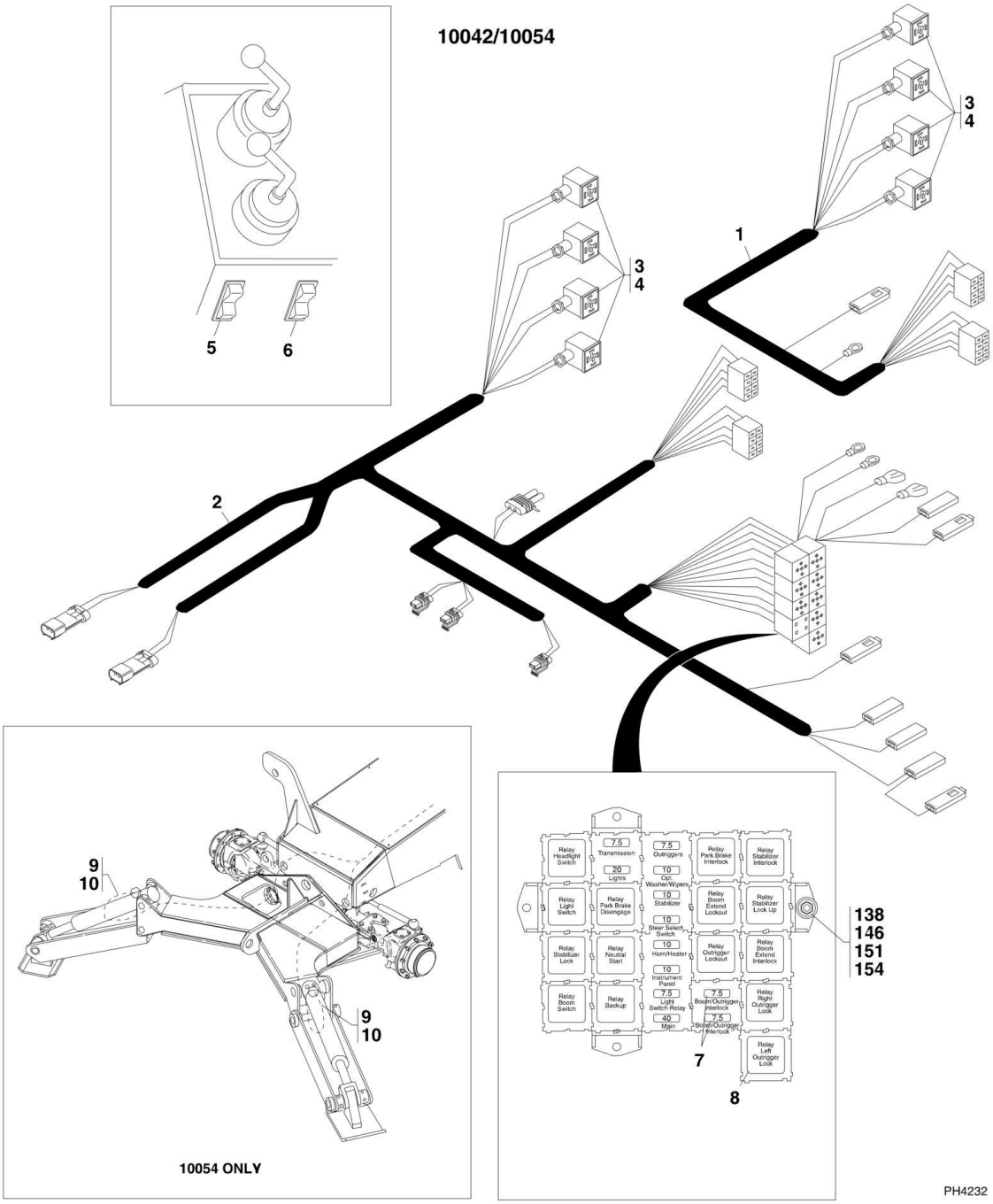


FIGURE 10-8. OUTRIGGER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7150723	1	WIRING HARNESS (includes item 3) (10042)	
2	7150722	1	LOGIC HARNESS (includes item 3) (10054)	
3	8220882	4	SOLENOID CONNECTOR, (includes item 4)	
4	8220926	4	CONNECTOR SEAL, (not shown)	
5	8223041	1	LEFT OUTRIGGER CONTROL SWITCH	
6	8223042	1	RIGHT OUTRIGGER CONTROL SWITCH	
7	8229233	2	FUSE, 7.5 AMP	
8	8225119	8	RELAY	
9	7139737	1	PRESSURE SWITCH KIT **(SN 13198 through 15097)**	
10	8223536	2	PRESSURE SWITCH **(SN 15098 through 19987, SN 0160002332 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
138	8305002	1	HEX NUT, #10-24	
146	8307003	1	LOCKWASHER, #10	
151	8307106	1	WASHER, 5/16	
154	8307111	1	WASHER, #10	

FIGURE 10-9. JUMPER HARNESS (SN 0160002332 through 0160040220, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

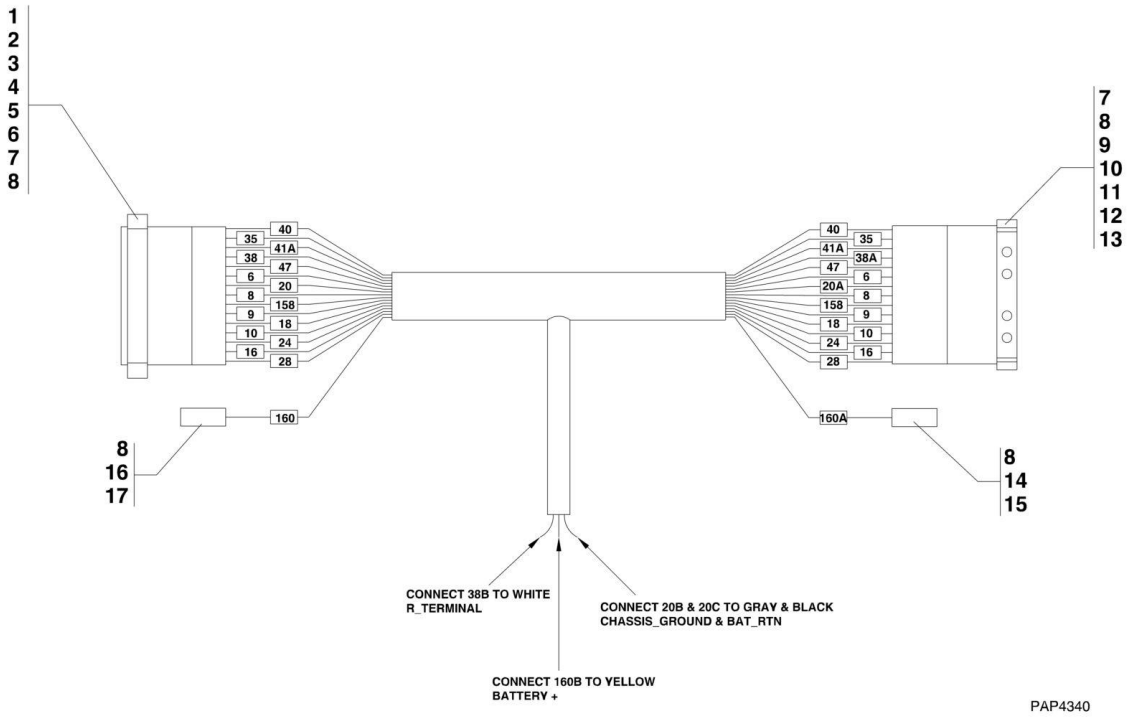
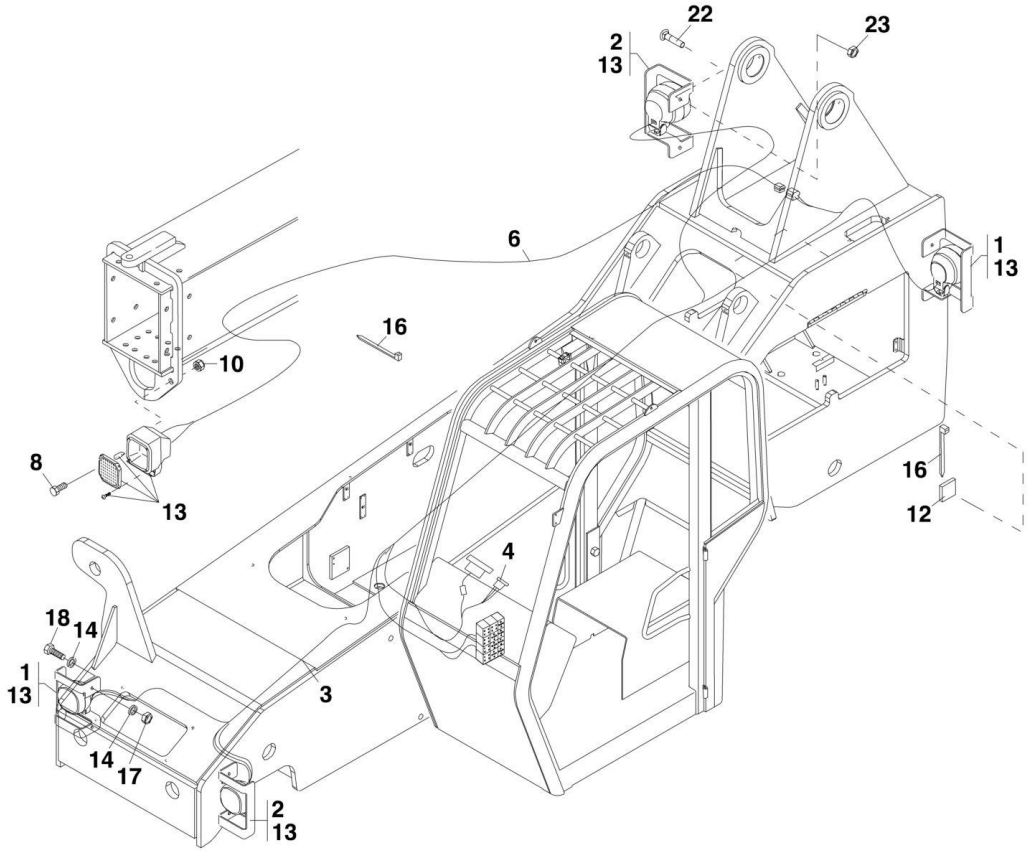
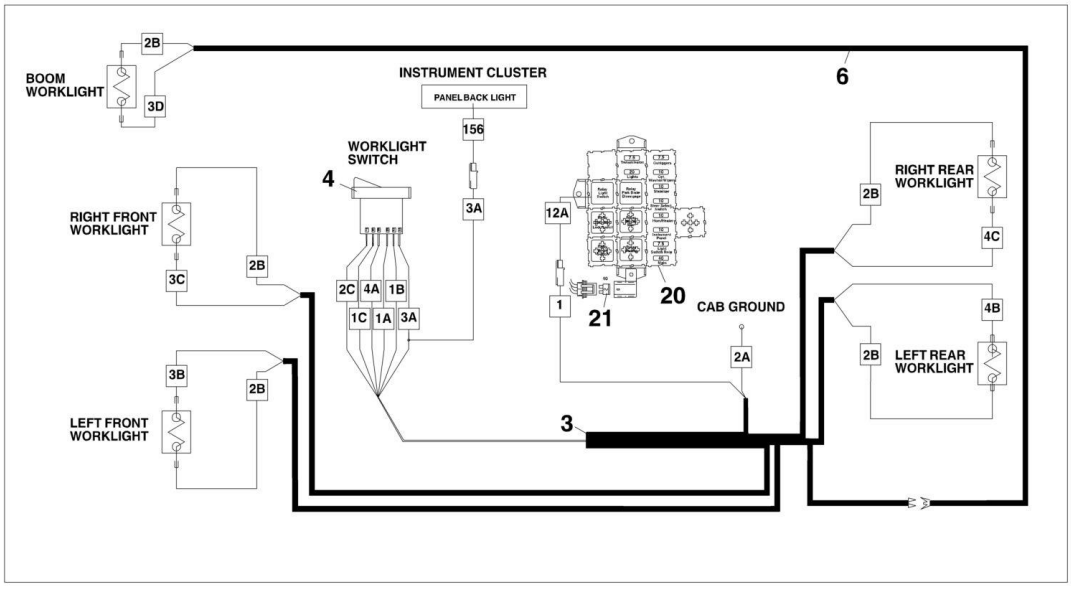


FIGURE 10-9. JUMPER HARNESS (SN 0160002332 through 0160040220, Excluding 0160039850, 0160040126, 0160040127, 0160040128, 0160040129 and 0160040171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001102448	1	JUMPER HARNESS, (includes all items)	A
1	8220927	1	CONNECTOR	
2	8220928	1	TPA, PACKARD	
3	8220931	1	PACKARD CONNECTOR SEAL	
4	8220932	1	PACKARD SLIDE LOCK	
5	8220084	1	FEMALE PACKARD TERMINAL	
6	8220086	14	PACKARD TERMINAL	
7	8220081	27	PACKARD CABLE SEAL	
8	8220089	4	PACKARD CABLE SEAL	
9	8220929	1	PACKARD CONNECTOR	
10	8220930	1	TPA, PACKARD	
11	8220161	1	MALE PACKARD TERMINAL	
12	8220123	1	PACKARD CABLE SEAL	
13	8220887	14	MALE PACKARD TERMINAL	
14	80963056	1	PACKARD CONNECTOR	
15	460850	1	MALE PACKARD TERMINAL	
16	80963055	1	PACKARD CONNECTOR	
17	4460790	1	FEMALE PACKARD TERMINAL	

FIGURE 10-10. WORKLIGHT SYSTEM



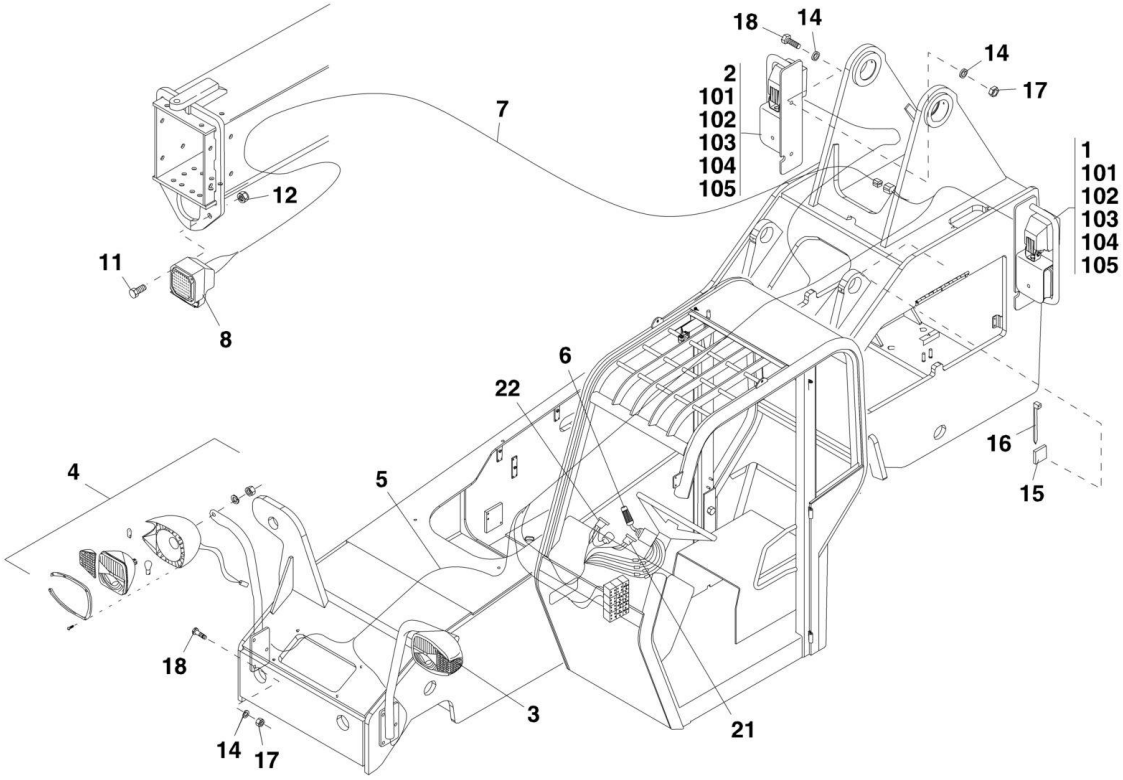


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FIGURE 10-10. WORKLIGHT SYSTEM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7150705	1	WORKLIGHT INSTALLATION, (includes all items)	I
1	7150673	2	WORKLIGHT ASSY, (front right and rear left sides), (includes item 13)	D
1	1001097080	2	WORKLIGHT BRACKET, (front right and rear left)	
2	7150688	2	WORKLIGHT ASSY, (front left and rear right), (includes item 13)	D
2	1001097079	2	WORKLIGHT BRACKET, (front left and rear right)	
3	7150707	1	WIRE HARNESS	
4	8223059	1	WORKLIGHT SWITCH	
6	7150730	1	BOOM WORKLIGHT HARNESS	
8	8303670	1	HEX HD CAPSCREW, 5/16-18	
10	8305626	1	LOCKNUT, 5/16-18	
12	8584018	2	TIE MOUNT	
13	7150687	NLA	WORKLIGHT, (no longer available, use 1001096314 for replacement) **(8042 SN 13198 through 19987, SN 0160002332 through 0160030566; 10042 SN 13198 through 19987, SN 0160002332 through 0160030607; 10054 SN 13198 through 19987, SN 0160002332 through 0160030568)**	
13	8036216	4	WORKLIGHT LENS SCREW	
13	8036217	NLA	WORKLIGHT LENS, (no longer available, use 1001096314 for replacement)	
13	8036218	1	WORKLIGHT HALOGEN BULB	
13	1001096314	5	WORKLIGHT, **(8042 SN 0160030567 through 0160045249; 10042 SN 0160030608 through 0160045249; 10054 SN 0160030569 through 0160045249; Including 0160045255, 0160045255 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
14	8307204	8	FLAT WASHER, 3/8	
16	8584001	32	TIE WRAP	
17	8305645	4	HEX NUT, 3/8	
18	8303622	4	HEX HD CAPSCREW, 3/8X2	
20	8229233	1	LIGHT SWITCH FUSE, 7.5 AMP, (Tan)	
21	8229238	1	WORKLIGHT FUSE, 40 AMP, (Orange)	
22	88411094	4	CARRIAGE BOLT, 7/16-14 X 2 LG	
23	8310109	4	HEX LOCKNUT, 7/16-14	

FIGURE 10-11. ROADLIGHT SYSTEM (SN 13198 through 19987, SN 0160002332 through 0160015215)



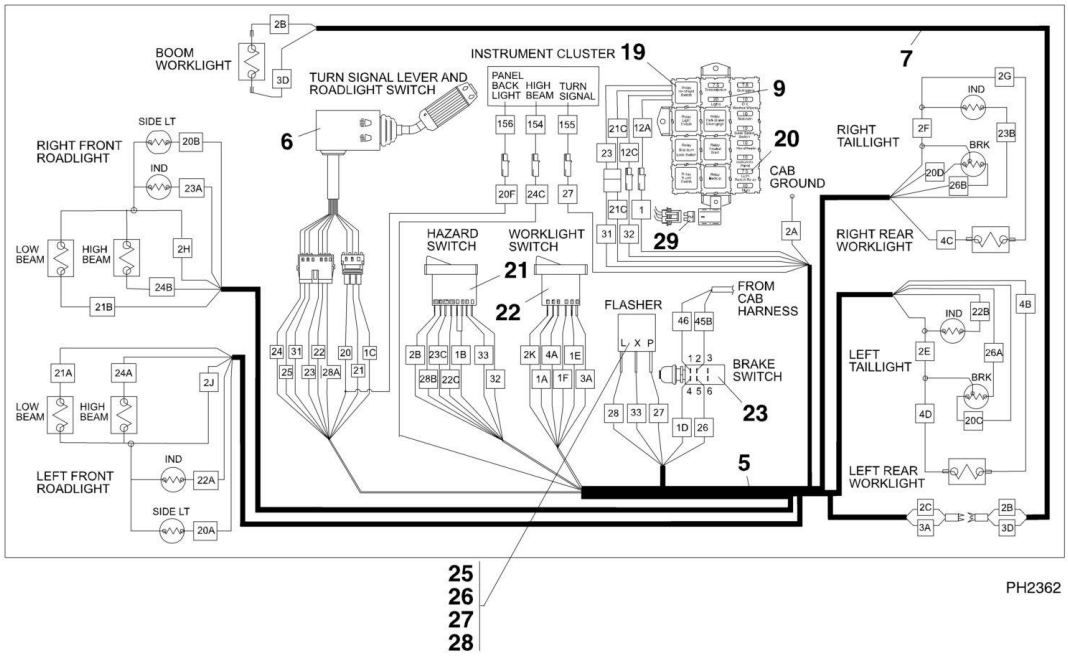


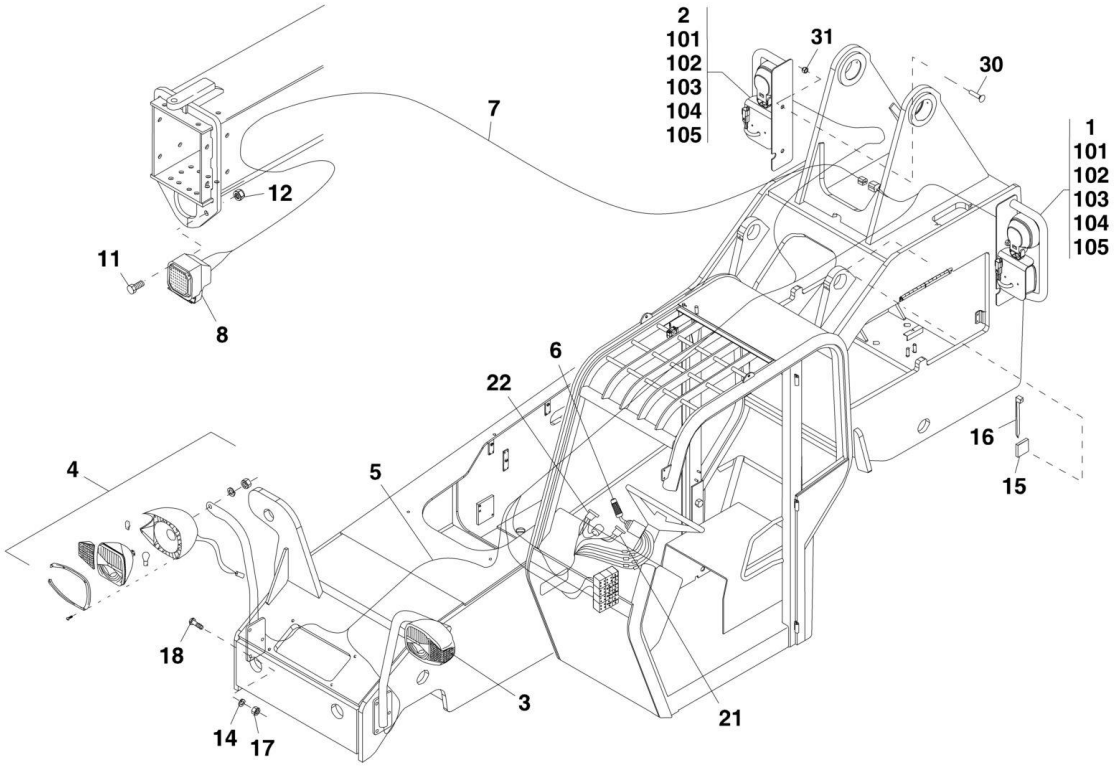
FIGURE 10-11. ROADLIGHT SYSTEM (SN 13198 through 19987, SN 0160002332 through 0160015215)

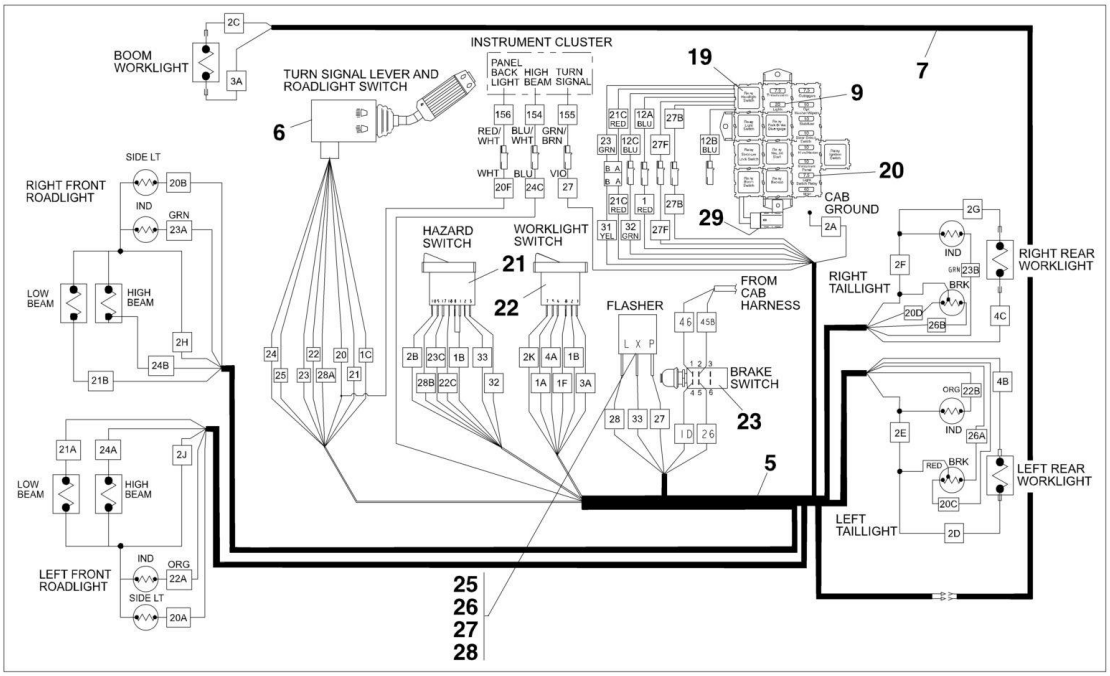
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7148700	1	ROADLIGHT INSTALLATION, (includes items 1 thru 29)	
1	7150679	1	LH ROADLIGHT ASSY, (includes items 101 thru 105)	AB
2	7150689	1	RH ROADLIGHT ASSY, (includes items 101 thru 105)	AB
3	7150699	1	LH ROADLIGHT BRACKET ASSY	
3	7150685	1	LH ROADLIGHT BRACKET	
3	7150702	1	FRONT ROADLIGHT	
3	8036216	6	HEADLIGHT LENS SCREW	
3	8036212	1	HEADLIGHT LENS	
3	8036213	1	HEADLIGHT BULB, 12V 60/55W	
3	8036214	1	BLINKER BULB, 12V 5W	
3	8036215	1	WIRING HARNESS, (includes 6-way connector)	
3	8036209	1	LEFT AMBER HEADLIGHT LENS	
4	7150716	1	RH ROADLIGHT BRACKET ASSY	
4	7150717	1	RH ROADLIGHT BRACKET	
4	7150703	1	FRONT ROADLIGHT	
4	8036210	1	RIGHT AMBER HEADLIGHT LENS	
4	8036216	6	HEADLIGHT LENS SCREW	
4	8036212	1	HEADLIGHT LENS	
4	8036213	1	HEADLIGHT BULB, 12V, 60/55W	
4	8036214	1	BLINKER BULB, 12V, 5W	
4	8036215	1	WIRING HARNESS, (includes 6-way connector)	
5	4923649	1	WIRE HARNESS	
6	7150742	1	TURN SIGNAL LEVER	
7	7150730	1	WORKLIGHT HARNESS	
8	7150687	NLA	WORKLIGHT, (no longer available, use 1001096314 on ROADLIGHT SYSTEM for replacement) **(SN 0160015216 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
8	8036216	4	WORKLIGHT LENS SCREW	
8	8036217	NLA	WORKLIGHT LENS, (no longer available, use 1001096314 on ROADLIGHT SYSTEM for replacement) **(SN 0160015216 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
8	8036218	1	WORKLIGHT HALOGEN BULB, 12V	
9	8229236	1	FUSE, 20AMP	
11	8303670	1	HEX HD CAPSCREW, 5/16-18X1, GR8	
12	8305626	1	HEX LOCKNUT, 5/16-18	
14	8307204	14	FLAT WASHER, 3/8	
15	8584018	2	TIE MOUNT	
16	8584001	32	TIE WRAP	
17	8305645	10	HEX LOCKNUT, 3/8	
18	8303622	10	HEX HD CAPSCREW, 3/8X2	
19	8225119	1	RELAY	
20	8229233	1	FUSE, 7.5AMP	
21	8223060	1	HAZARD SWITCH	
22	8223059	1	WORKLIGHT SWITCH	
23	8223057	1	BRAKE LIGHT SWITCH	
25	8500203	1	FLASHER, 12V	
26	8303835	2	SLOTTED PAN HD SCREW, #10-24X1/2	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
27	8310085	2	LOCKNUT, #10-24	
28	8307111	2	WASHER, #10	
29	8229238	1	FUSE, 40AMP	
101	7150681	1	LH WORKLIGHT BRACKET ASSY	
101	7150680	1	RH WORKLIGHT BRACKET ASSY	
102	7150687	NLA	WORKLIGHT, (no longer available, use 1001096314 on ROADLIGHT SYSTEM for replacement) **(SN 0160015216 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
102	8036216	4	WORKLIGHT LENS SCREW	
102	8036217	NLA	WORKLIGHT LENS, (no longer available, use 1001096314 on ROADLIGHT SYSTEM for replacement) **(SN 0160015216 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
102	8036218	1	WORKLIGHT HALOGEN BULB, 12V	
103	7150690	1	TAIL/INDICATOR LIGHT	
103	N.S.S.	1	TAIL LIGHT LENS SCREW	
103	8036219	1	TAIL LIGHT LENS	
103	8036221	1	BLINKER BULB, 12V, 21W	
103	8036222	1	TAIL AND BRAKE LIGHT BULB, 12V, 21/5W	
103	8036220	1	WIRING HARNESS, (includes 4-way connector)	
104	8303745	1	HEX HD CAPSCREW, 5/16-18X5/8	
105	8305626	1	HEX LOCKNUT, 5/16-18	

FIGURE 10-12. ROADLIGHT SYSTEM (SN 0160015216 through 0160045249, Including 0160045255)





ART_8990395-12-3

FIGURE 10-12. ROADLIGHT SYSTEM (SN 0160015216 through 0160045249, Including 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7150704	1	ROADLIGHT INSTALLATION, (includes items 1 thru 31)	J
1	7150679	1	LH ROADLIGHT ASSY, (includes items 101 thru 105)	C
2	7150689	1	RH ROADLIGHT ASSY, (includes items 101 thru 105)	C
3	7150699	1	LH ROADLIGHT BRACKET ASSY	
3	7150685	1	LH ROADLIGHT BRACKET	
3	7150702	1	FRONT ROADLIGHT, (torque nut to 7-15 lb-ft)	
3	8036216	6	HEADLIGHT LENS SCREW	
3	8036212	1	HEADLIGHT LENS	
3	8036213	1	HEADLIGHT BULB, 12V 60/55W	
3	8036214	1	BLINKER BULB, 12V 5W	
3	8036215	1	WIRING HARNESS, (includes 6-way connector)	
3	8036209	1	LEFT AMBER HEADLIGHT LENS	
4	7150716	1	RH ROADLIGHT BRACKET ASSY	
4	7150717	1	RH ROADLIGHT BRACKET	
4	7150703	1	FRONT ROADLIGHT, (torque nut to 7-15 lb-ft)	
4	8036210	1	RIGHT AMBER HEADLIGHT LENS	
4	8036216	6	HEADLIGHT LENS SCREW	
4	8036212	1	HEADLIGHT LENS	
4	8036213	1	HEADLIGHT BULB, 12V, 60/55W	
4	8036214	1	BLINKER BULB, 12V, 5W	
4	8036215	1	WIRING HARNESS, (includes 6-way connector)	
5	7150741	1	WIRE HARNESS	I
6	8223073	1	TURN SIGNAL LEVER	
7	7150730	1	WORKLIGHT HARNESS	
8	7150687	NLA	WORKLIGHT, (no longer available, use 1001096314 for replacement) (10042,10054,8042) **(8042 SN 13198 through 19987, SN 0160002332 through 0160030566; 10042 SN 13198 through 19987, SN 0160002332 through 0160030607; 10054 SN 13198 through 19987, SN 0160002332 through 0160030568)**	
8	8036216	4	WORKLIGHT LENS SCREW	
8	8036217	NLA	WORKLIGHT LENS, (no longer available, use 1001096314 for replacement)	
8	8036218	1	WORKLIGHT HALOGEN BULB	
8	1001096314	1	WORKLIGHT, **(8042 SN 0160030567 through 0160045249; 10042 SN 0160030608 through 0160045249; 10054 SN 0160030569 through 0160045249; Including 0160045255, 0160045255 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
9	8229235	1	FUSE, 20AMP	
11	8303670	1	HEX HD CAPSCREW, 5/16X1, GR8	
12	8305626	1	HEX LOCKNUT, 5/16-18	
14	8307204	6	FLAT WASHER, 3/8	
15	8584018	2	TIE MOUNT	
16	8584001	32	TIE WRAP	
17	8305645	6	HEX LOCKNUT, 3/8	
18	8303622	6	HEX HD CAPSCREW, 3/8X2	
19	8225119	1	RELAY	
20	8229233	1	FUSE, 7.5AMP	
21	8223060	1	HAZARD SWITCH	
22	8223059	1	WORKLIGHT SWITCH	
23	8223057	1	BRAKE LIGHT SWITCH	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
25	8500203	1	FLASHER, 12V	
26	8303835	2	SLOTTED PAN HD SCREW, #10-24X1/2	
27	8310085	2	LOCKNUT, #10-24	
28	8307111	2	WASHER, #10	
29	8229238	1	FUSE, 40AMP	
30	88411094	4	CARRIAGE BOLT, 7/16-14 X 2 LG	
31	8310109	4	HEX LOCKNUT, 7/16-14	
101	7150681	1	LH WORKLIGHT BRACKET ASSY	
101	7150680	1	RH WORKLIGHT BRACKET ASSY	
102	7150687	NLA	WORKLIGHT, (no longer available, use 1001096314 for replacement) (10042,10054,8042) **(8042 SN 13198 through 19987, SN 0160002332 through 0160030566; 10042 SN 13198 through 19987, SN 0160002332 through 0160030607; 10054 SN 13198 through 19987, SN 0160002332 through 0160030568)**	
102	8036216	4	WORKLIGHT LENS SCREW	
102	8036217	NLA	WORKLIGHT LENS, (no longer available, use 1001096314 for replacement)	
102	8036218	1	WORKLIGHT HALOGEN BULB	
102	1001096314	1	WORKLIGHT, **(8042 SN 0160030567 through 0160045249; 10042 SN 0160030608 through 0160045249; 10054 SN 0160030569 through 0160045249; Including 0160045255, 0160045255 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
103	7150690	1	TAIL/INDICATOR LIGHT	
103	N.S.S.	1	TAIL LIGHT LENS SCREW	
103	8036219	1	TAIL LIGHT LENS	
103	8036221	1	BLINKER BULB, 12V, 21W	
103	8036222	1	TAIL AND BRAKE LIGHT BULB, 12V, 21/5W	
103	8036220	1	WIRING HARNESS, (includes 4-way connector)	
104	8303745	1	HEX HD CAPSCREW, 5/16-18X5/8	
105	8305626	1	HEX LOCKNUT, 5/16-18	

FIGURE 10-13. ROTATING BEACON INSTALLATION

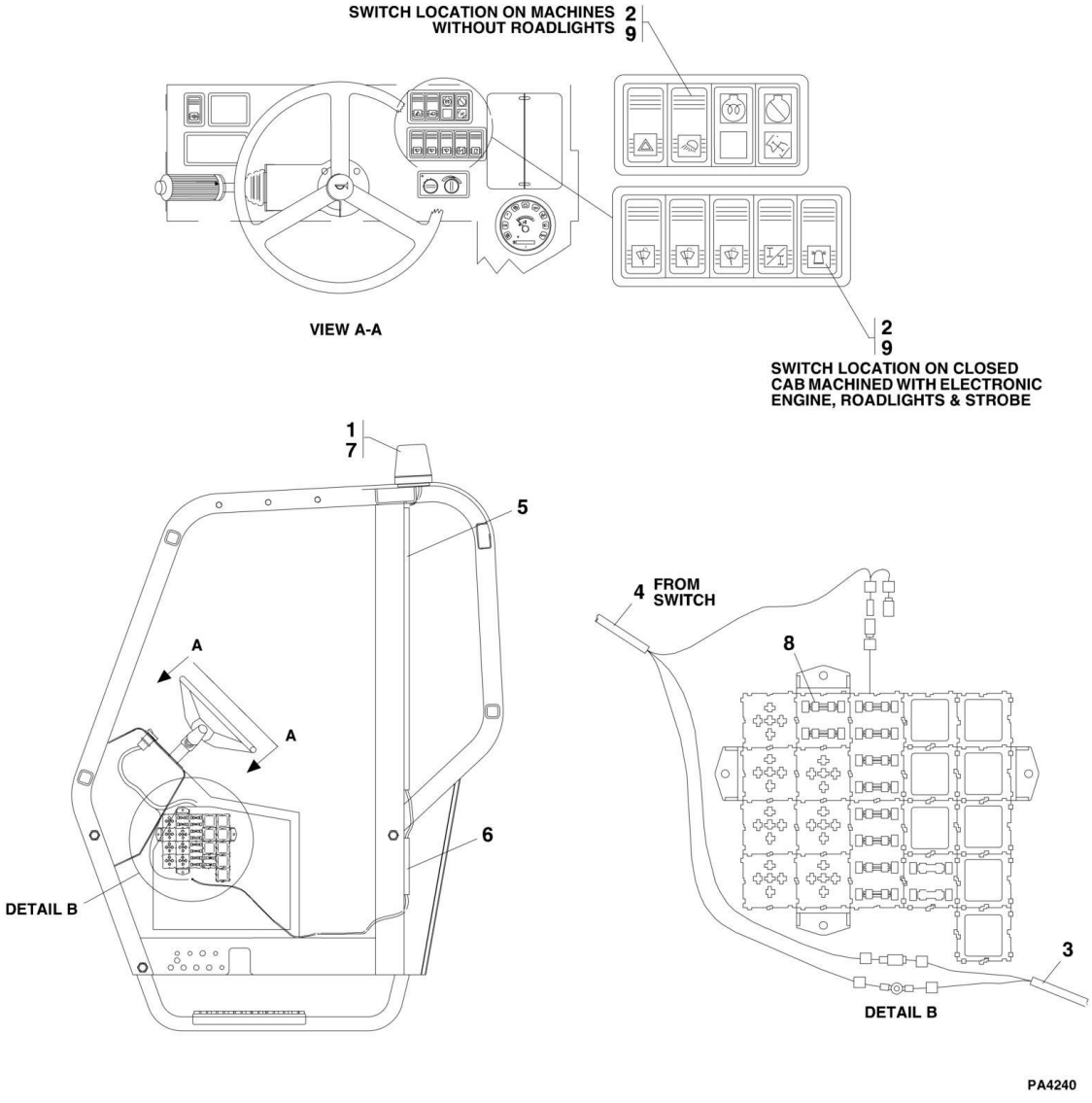


FIGURE 10-13. ROTATING BEACON INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139264	1	ROTATING BEACON INSTALLATION, OPEN CAB, (includes all items)	AD
	1001111074	1	ROTATING BEACON INSTALLATION, CLOSED CAB, (includes items 1 thru 4 & 7 thru 9)	A
1	8500066	1	ROTATING BEACON LIGHT	
2	8223038	1	BEACON SWITCH	
3	7139263	1	WIRE ASSY	
4	7139269	1	WIRE ASSY FROM SWITCH	
5	8036057	1	UPPER WIRE DUCT, (open cab)	
6	8036058	1	LOWER WIRE DUCT, (open cab)	
7	8526035	AR	SILICONE SEALANT, (open cab)	
7	0100009	AR	SILICONE SEALANT, (closed cab)	
8	8229233	1	FUSE, 7.5AMP	
9	8223083	1	BEZEL SWITCH, MIDDLE POSITION	

FIGURE 10-14. IGNITION SWITCH WEATHER KIT (8042 SN 13198 through 19987, SN 0160002332 through 0160023104; 10042 SN 13198 through 19987, SN 0160002332 through 0160023093; 10054 SN 13198 through 19987, SN 0160002332 through 0160023101)

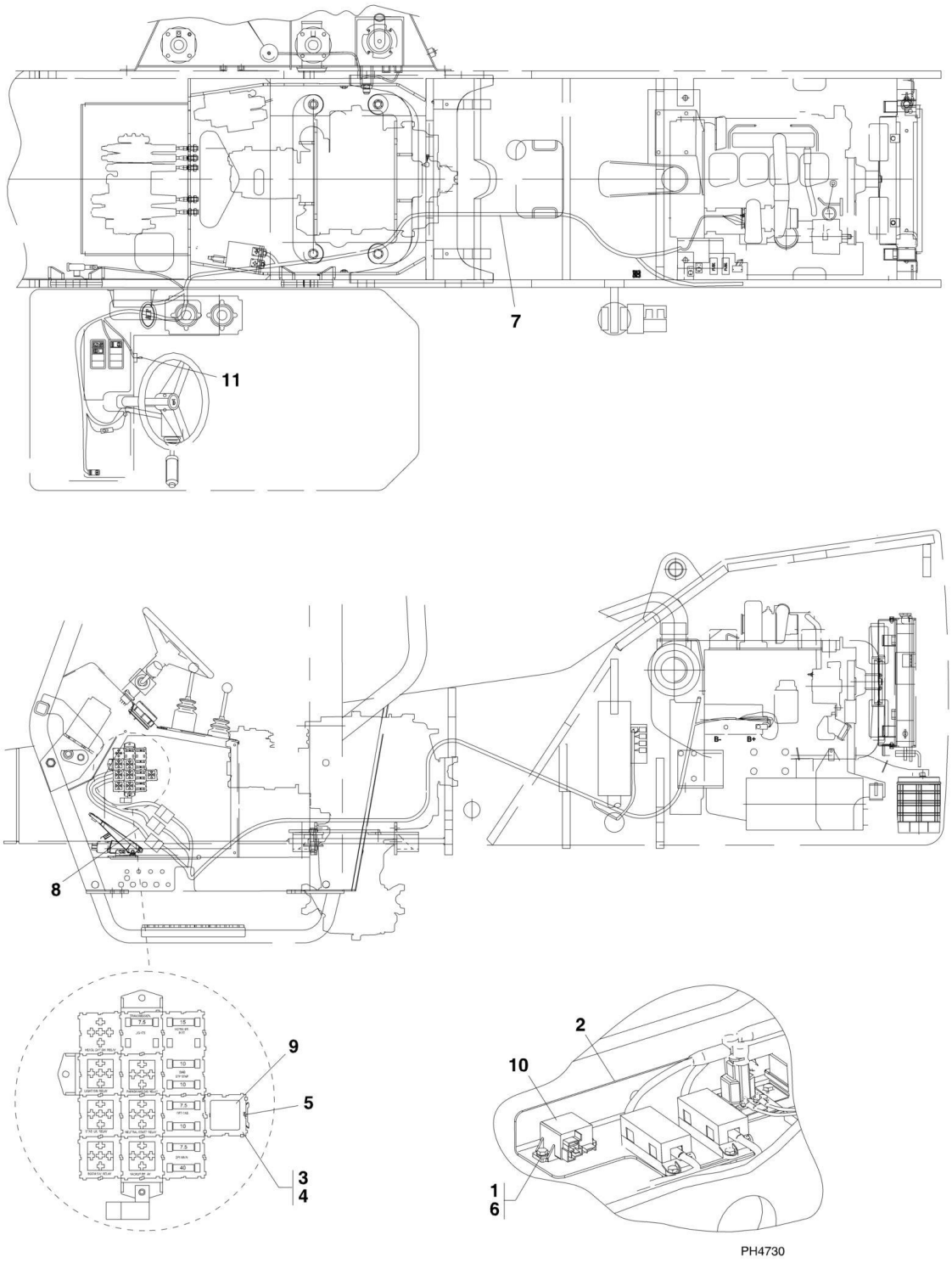


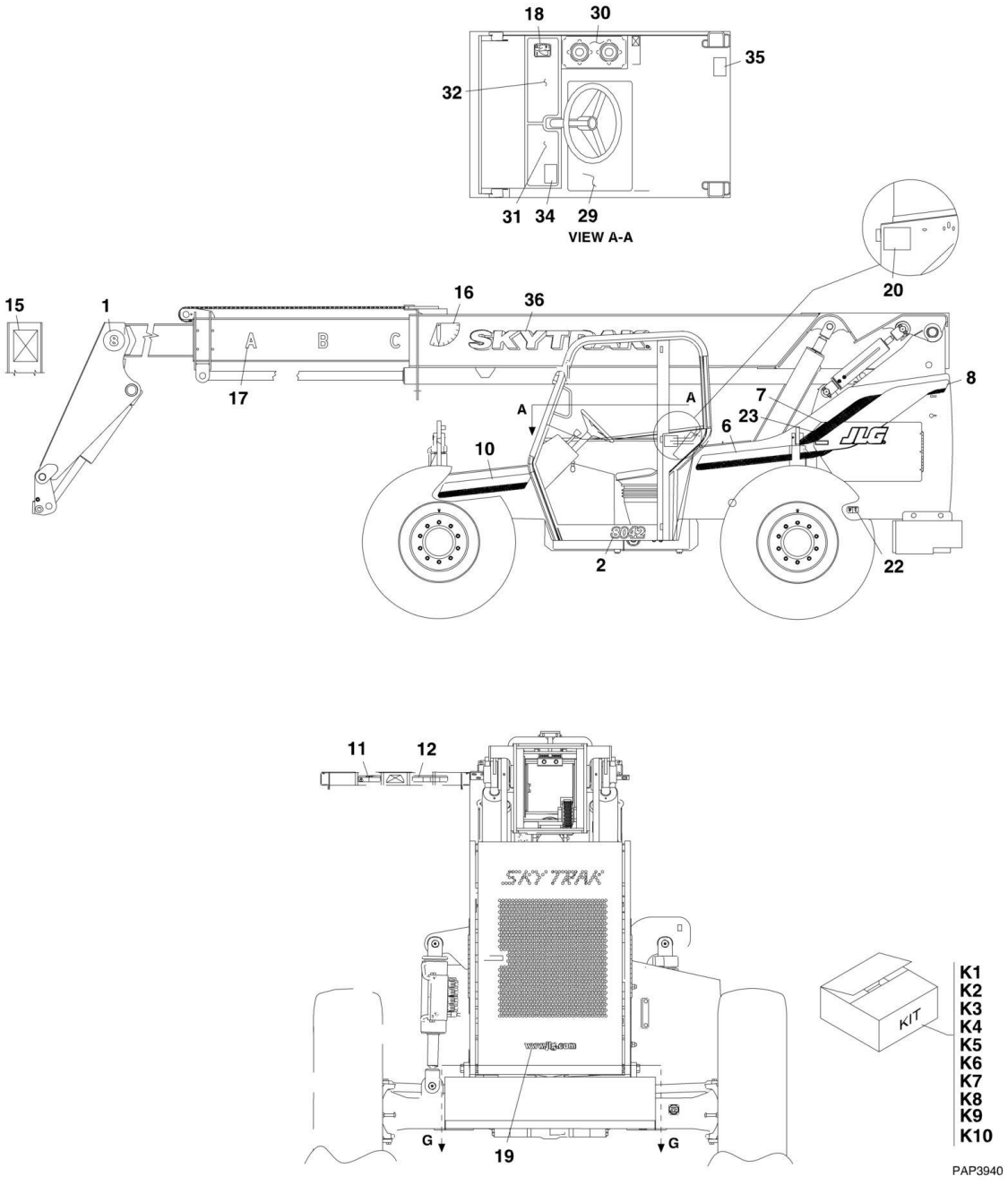
FIGURE 10-14. IGNITION SWITCH WEATHER KIT (8042 SN 13198 through 19987, SN 0160002332 through 0160023104; 10042 SN 13198 through 19987, SN 0160002332 through 0160023093; 10054 SN 13198 through 19987, SN 0160002332 through 0160023101)

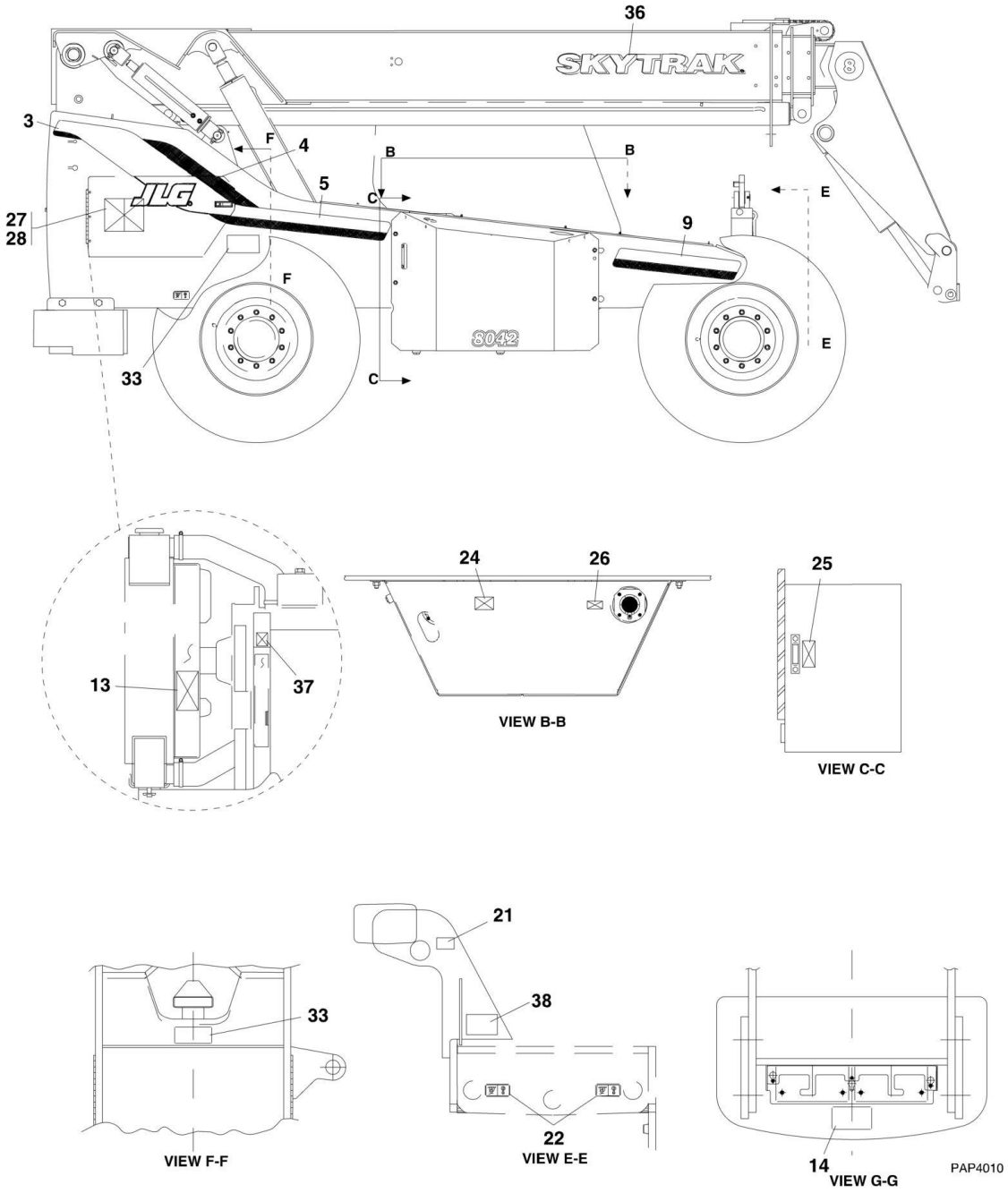
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2915160	1	IGNITION SWITCH REPLACEMENT KIT, (includes all items)	B
1	0700608	2	HEX HD CAPSCREW, 6X16	
2	0903311	1	RELAY MOUNTING BRACKET	
3	4461101	1	RELAY MODULE	
4	4461102	1	SECONDARY LOCK	
5	4461103	1	LOCKING WEDGE RELAY	
6	4811700	2	WASHER, 6mm	
7	4923332	1	RETROFIT FRAME HARNESS	
8	4923334	1	RETROFIT CAB HARNESS	
9	8225119	1	RELAY	
10	77383377	1	STARTER RELAY	
11	4360690	1	IGNITION SWITCH	

SECTION 11 - DECALS

SECTION 11 - DECALS

FIGURE 11-1. DECALS (SN 0160002332 through 0160029593)




36
SKYTRAK
3
F
4
B
B
5
C
E
27
28
JLG
9
F
3042
E
33
C
13
37
24
26
VIEW B-B
25
VIEW C-C
21
33
38
VIEW F-F
22
VIEW E-E
14
VIEW G-G
PAP4010

SECTION 11 - DECALS

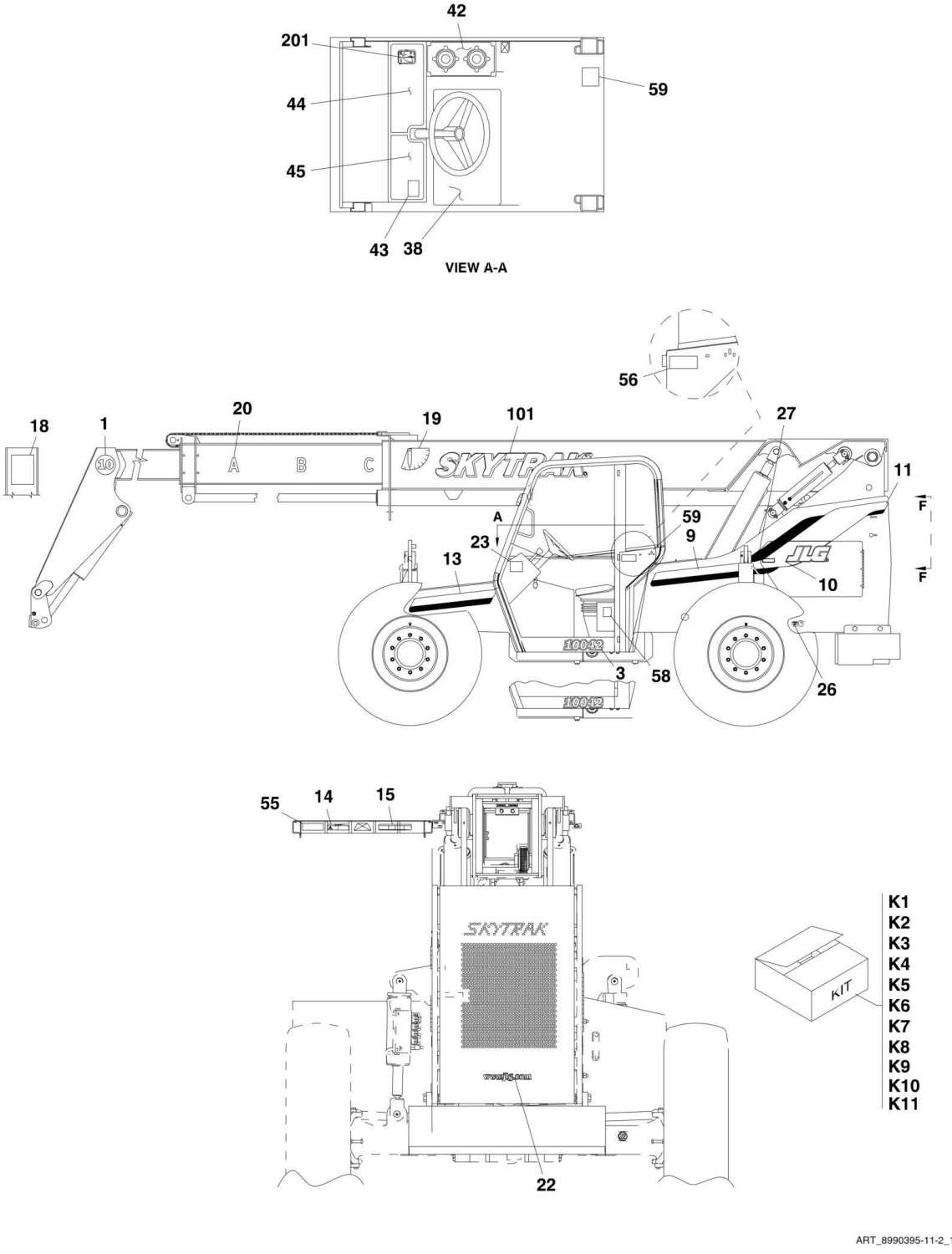
FIGURE 11-1. DECALS (SN 0160002332 through 0160029593)

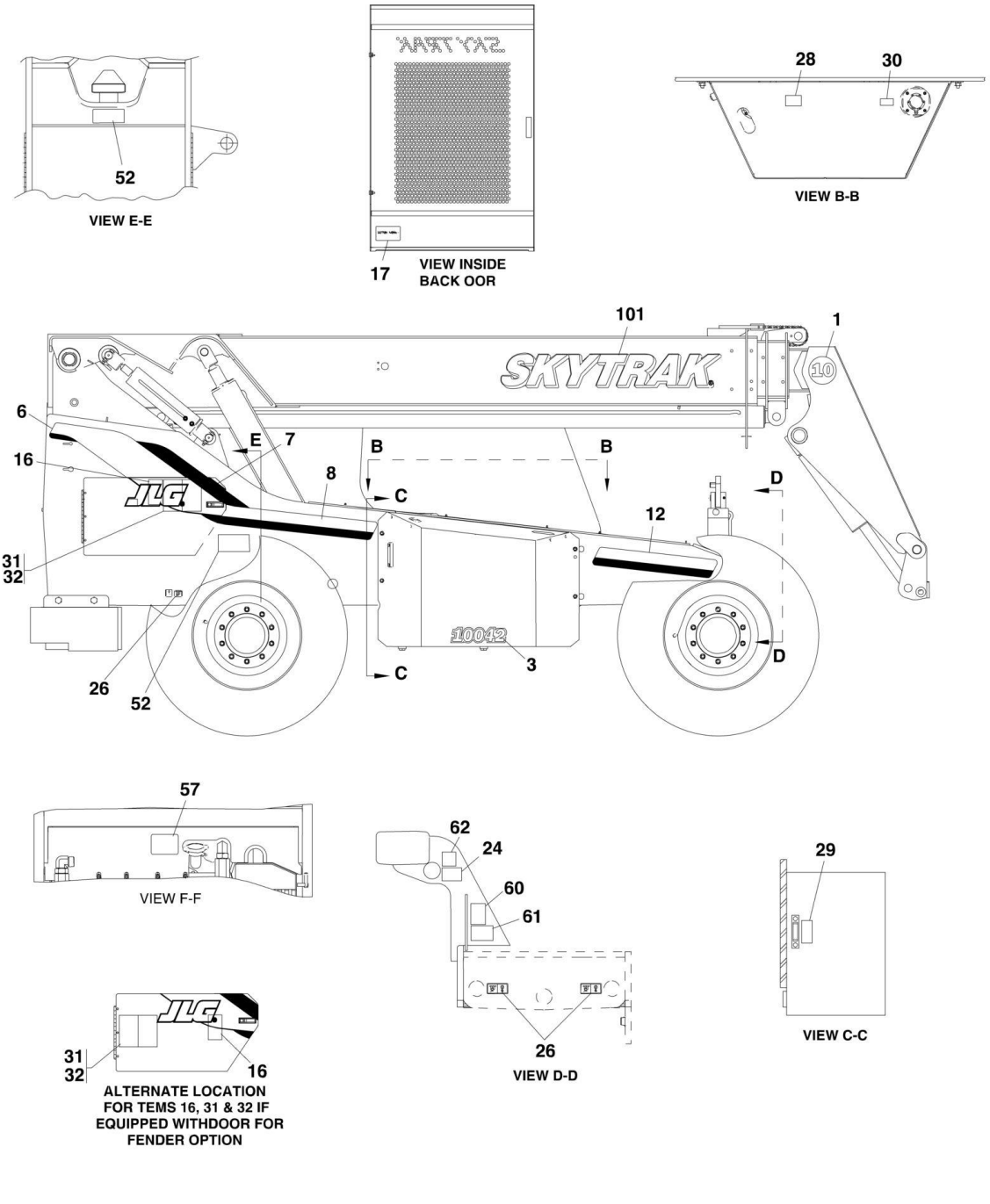
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1706169	2	GOOSENECK DECAL, 8 (8042)	
1	1706100	2	GOOSENECK DECAL, 10 (10042,10054)	
2	1706173	2	MODEL NUMBER DECAL (8042)	
2	1706174	2	MODEL NUMBER DECAL (10042)	
2	1706175	2	MODEL NUMBER DECAL (10054)	
3	4110155	1	REAR FRAME STRIPE RH DECAL	
4	1706200	1	RH ENGINE DOOR STRIPE	
5	4110157	1	MID FRAME STRIPE RH DECAL	
6	4110158	1	MID FRAME STRIPE LH DECAL	
7	1706201	1	LH ENGINE DOOR STRIPE DECAL	
8	4110160	1	REAR FRAME STRIPE LH DECAL	
9	4110166	1	FRONT FRAME STRIPE RH DECAL	
10	4110167	1	FRONT FRAME STRIPE LH DECAL	
11	4108991	1	ELECTROCUTION HAZARD DECAL	
12	4110137	1	TIP OVER HAZARD DECAL	
13	4110184	2	MOVING PARTS HAZARD DECAL	
14	4110172	1	BATTERY HAZARD DECAL	
15	4110389	1	CARRYING PERSONNEL DECAL	
16	4105262	1	BOOM ANGLE INDICATOR DECAL	
17	4107442	1	BOOM EXTEND LETTERS DECAL	
18	7301676	1	LOAD CHART BOOKLET (8042) **(SN 13198 through 19987, SN 0160002332 through 0160019859)**	
18	1706798	1	LOAD CHART BOOKLET (8042) **(SN 0160019946 through 0160037768)**	
18	7301677	1	LOAD CHART BOOKLET (10042) **(SN 13198 through 19987, SN 0160002332 through 0160019855)**	
18	1706799	1	LOAD CHART BOOKLET (10042) **(SN 0160020008 through 0160037764)**	
18	7301678	1	LOAD CHART BOOKLET (10054) **(SN 13198 through 19987, SN 0160002332 through 0160019851, Excluding 0160019634 and 016019646)**	
18	1706800	1	LOAD CHART BOOKLET (10054) **(SN 0160019865 through 0160037784, Including 0160019634 and 016019646)**	
19	1704885	1	WEBSITE DECAL	
20	3251813	1	USA DECAL	
21	N.S.S.	1	S/N PLATE	
22	4110226	4	LIFT POINT/TIE DOWN DECAL	
23	4110242	1	FRAME STRIPE LH DECAL	
24	4100181	1	HYDRAULIC OIL FILL DECAL	
25	4108302	1	HYDRAULIC OIL LEVEL DECAL	
26	4105171	1	DIESEL FUEL FILL DECAL	
27	4110339	1	MAINTENANCE CHART DECAL	
28	4110217	1	LUBRICATION CHART DECAL (8042)	
28	4110186	1	LUBRICATION CHART DECAL (10042)	
28	4110218	1	LUBRICATION CHART DECAL (10054)	
29	10139087	1	SAFETY WALK	
30	4107462	1	SIDE CONSOLE DECAL	
31	4110188	1	OVERLAY LH DECAL	
32	4110187	1	OVERLAY RH DECAL	
33	1706300	2	WARNING ETHER STARTING DECAL	
34	4107971	1	OUTRIGGER CONTACT DECAL (10042,10054)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
35	91404299	1	ESCAPE DECAL	
36	1706176	2	SKYTRAK BOOM DECAL	
37	4107901	1	DECAL ENGINE IDLE SETTING	
38	1001131271	1	PATENT TELEHANDLERS DECAL	
K1	7302189	1	UNITED RENTALS DECAL KIT	
K2	0274263	1	NATIONS RENT DECAL KIT	
K3	0274272	1	NES DECAL KIT	
K4	0274271	1	SUNSTATE DECAL KIT (10054,8042)	
K5	0274547	1	H AND E DECAL KIT	
K6	1001120632	1	SUNBELT DECAL KIT	
K7	1001098594	1	RSC DECAL KIT (10042,8042)	
K8	1001098595	1	RSC DECAL KIT (10054)	
K9	1001128530	1	HERTZ DECAL KIT	
K10	0274072	1	CUSTOMER DECAL KIT	

SECTION 11 - DECALS

FIGURE 11-2. DECALS (SN 0160029593 through 0160045249, Including 0160045255)




52
VIEW E-E
17
VIEW INSIDE BACK OOR
28
30
VIEW B-B
101
1
SKYTRAK
10
6
16
E
7
8
B
C
B
D
12
31
32
26
52
10042
3
C
D
57
VIEW F-F
62
24
60
61
26
VIEW D-D
29
VIEW C-C
31
32
16
ALTERNATE LOCATION FOR TEMS 16, 31 & 32 IF EQUIPPED WITHDOOR FOR FENDER OPTION
ART_8990395-11-2_2

SECTION 11 - DECALS

FIGURE 11-2. DECALS (SN 0160029593 through 0160045249, Including 0160045255)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1706169	2	GOOSENECK DECAL, 8 (8042)	
1	1706100	2	GOOSENECK DECAL, 10 (10042,10054)	
3	1706173	2	MODEL NUMBER DECAL (8042)	
3	1706174	2	MODEL NUMBER DECAL (10042)	
3	1706175	2	MODEL NUMBER DECAL (10054)	
6	4110155	1	REAR FRAME STRIPE RH DECAL	
7	1706200	1	RH ENG DOOR STRIPE DECAL	
8	4110157	1	MID FRAME STRIPE RH DECAL	
9	4110158	1	MID FRAME STRIPE LH DECAL	
10	1706201	1	LH ENG DOOR STRIPE DECAL	
11	4110160	1	REAR FRAME STRIPE LH DECAL	
12	4110166	1	FRONT FRAME STRIPE RH DECAL	
13	4110167	1	FRONT FRAME STRIPE LH DECAL	
14	1706299	1	ELECTROCUTION HAZARD DECAL, ENGLISH	
14	1706284	1	ELECTROCUTION HAZARD DECAL, (ISO)	
15	1706306	1	TIP OVER HAZARD, ENGLISH	
15	1706288	1	TIP OVER HAZARD, (ISO)	
16	1706301	2	MOVING PARTS HAZARD DECAL, ENGLISH	
16	1706285	2	MOVING PARTS HAZARD DECAL, (ISO)	
17	1706296	1	BATTERY HAZARD DECAL, ENGLISH	
17	1706281	1	BATTERY HAZARD DECAL, (ISO)	
18	1706298	1	CARRYING PERSONNEL DECAL, ENGLISH	
18	1706282	1	CARRYING PERSONNEL DECAL, (ISO)	
19	4105262	1	BOOM ANGLE INDICATOR DECAL	
20	4107442	1	BOOM EXTEND LETTERS DECAL	
22	1704885	1	WEBSITE DECAL	
23	3251813	1	USA DECAL	
24	N.S.S.	1	S/N PLATE	
26	4110226	4	LIFT POINT, TIE DOWN DECAL	
27	4110242	1	FRAME STRIPE LH DECAL	
28	4100181	1	HYDRAULIC OIL FILL DECAL	
29	4108302	1	HYDRAULIC OIL LEVEL DECAL	
30	4105171	1	DIESEL FUEL FILL DECAL	
31	4110339	1	MAINTENANCE CHART DECAL **(SN 0160002332 through 0160037804, Excluding 0160037793 and 0160037799)**	
31	1001103930	1	MAINTENANCE CHART DECAL **(SN 0160037804 through 0160040197, Including 0160037793 and 0160037799)**	
31	1001109596	1	MAINTENANCE CHART DECAL **(SN 0160040212 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
32	4110217	1	LUBRICATION CHART (8042) **(SN 0160002332 through 0160040224)**	
32	1001129510	1	LUBRICATION CHART (8042) **(SN 0160040224 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
32	4110186	1	LUBRICATION CHART (10042) **(SN 0160002332 through 0160040126)**	
32	1001129509	1	LUBRICATION CHART (10042) **(SN 0160040126 through 0160045249, Including 0160045255, Excluding 0160042754,**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)	
32	4110218	1	LUBRICATION CHART (10054) **(SN 0160002332 through 0160040220)**	
32	1001129508	1	LUBRICATION CHART (10054) **(SN 0160040220 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
38	10139087	1	SAFETY WALK	
42	4107462	1	SIDE CONSOLE DECAL	
43	4107971	1	OUTRIGGER CONTACT DECAL, ENGLISH	
43	1706279	1	OUTRIGGER CONTACT DECAL, (ISO)	
44	4110187	1	RH OVERLAY DECAL, ENGLISH	
44	1001110280	1	RH OVERLAY DECAL, (ISO)	
44	1001129767	1	RH OVERLAY DECAL, (ISO) (if equipped for LS)	
45	4110188	1	LH OVERLAY DECAL, ENGLISH	
45	1001110282		LH OVERLAY DECAL, (ISO)	
52	1706300	2	ETHER START WARNING DECAL, ENGLISH	
52	1706098		ETHER START WARNING DECAL, (ISO)	
55	1706850	1	CRUSH HAZARD WARNING DECAL, ENGLISH	
55	1001092877		CRUSH HAZARD WARNING DECAL, (ISO)	
56	1706768	1	NO RIDDERS DECAL, ENGLISH	
56	1001092878	1	NO RIDDERS DECAL, (ISO)	
57	1001109053	1	COOLANT FILL DECAL	
58	1701640	1	MANUAL DECAL	
59	91404299	1	ESCAPE DECAL	
60	1001131271	1	PATENT TELEHANDLERS DECAL	
61	1001143852	1	EXPORT DECAL, (ISO), (if equipped for LS)	
62	1702631	1	BAR CODE ASSY DECAL, (if equipped for LS)	
101	1706176	2	SKYTRAK BOOM DECAL	
201	1706798	1	LOAD CHART BOOKLET ENGLISH UNIT (8042) **(SN 0160019946 through 0160037768)**	
201	1001106014	1	LOAD CHART BOOKLET ENGLISH UNIT (8042) **(SN 0160037799 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
201	1001122561	1	LOAD CHART BOOKLET METRIC UNIT (8042)	
201	1706799	1	LOAD CHART BOOKLET ENGLISH UNIT (10042) **(SN 0160020008 through 0160037764)**	
201	1001106015	1	LOAD CHART BOOKLET ENGLISH UNIT (10042) **(SN 0160037798 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
201	1001122612	1	LOAD CHART BOOKLET METRIC UNIT (10042)	
201	1706800	1	LOAD CHART BOOKLET ENGLISH UNIT (10054) **(SN 0160019865 through 0160037784)**	
201	1001106016	1	LOAD CHART BOOKLET ENGLISH UNIT (10054) **(SN 0160037793 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
201	1001121967	1	LOAD CHART BOOKLET METRIC UNIT (10054)	
201	1001110414	1	OPTIONAL LOAD CHART BOOKLET ENGLISH UNIT (8042) **(SN 0160037799 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
201	1001122562	1	OPTIONAL LOAD CHART BOOKLET METRIC UNIT (8042)	

SECTION 11 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
201	1001110415	1	OPTIONAL LOAD CHART BOOKLET ENGLISH UNIT (10042) **(SN 0160037798 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
201	1001122613	1	OPTIONAL LOAD CHART BOOKLET METRIC UNIT (10042)	
201	1001110416	1	OPTIONAL LOAD CHART BOOKLET ENGLISH UNIT (10054) **(SN 0160037793 through 0160045249, Including 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
201	1001121968	1	OPTIONAL LOAD CHART BOOKLET METRIC UNIT (10054)	
K1	7302189	1	UNITED RENTALS DECAL KIT	
K2	0274263	1	NATIONS RENT DECAL KIT	
K3	0274272	1	NES DECAL KIT	
K4	0274271	1	SUNSTATE DECAL KIT (10054,8042)	
K5	0274547	1	H AND E DECAL KIT	
K6	1001120632	1	SUNBELT DECAL KIT	
K7	1001098594	1	RSC DECAL KIT (10042,8042)	
K8	1001098595	1	RSC DECAL KIT (10054)	
K9	1001128530	1	HERTZ DECAL KIT	
K10	0274072	1	CUSTOMER DECAL KIT	
K11	1001140699	1	LEAVITT MACH DECAL KIT	

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 12-1. RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.	
	7099882	1	Boom Angle Sensor (First Boom)	
	7139077	1	Breather, Filler	
	7029246	1	Coil, Solenoid (Stabil-Trak)	
	8036288	1	Coil, Solenoid (Stabil-Trak)	
	8224045	1	Control, Pilot Joystick (Boom Control)	
	8224047	1	Control, Pilot Joystick (Frame Level Control)	
	7150742	1	Control, Turn Signal (Road Package) **(Including (SN 13198 through 19987 and SN 0160002332 through 0160015215))**	
	8223073	1	Control, Turn Signal (Road Package) **(Including (SN 0160015216 through 0160045249 and Including 0160045255))**	
	8160406	1	Controller (Auxiliary Control)	
	7139027	1	Controller, Brake Pedal **(8042 SN 0160002332 through 0160038967; 10042 SN 0160002332 through 0160038368; 10054 SN 0160002332 through 0160038740, Excluding 0160021270; Including 0160038971, 0160038984 and 0160038375, Excluding 0160036713, 0160036715, 0160036721 and 0160036723)**	
	1001103113	1	Controller, Brake Pedal **(8042 SN 0160038967 through 0160045249, Excluding 0160038971; 10042 SN 0160038368 through 0160045249, Excluding 0160038375; 10054 SN 0160038740 through 0160045249; Including 0160045255, 0160045255, 0160045255, 0160021270, 0160036713, 0160036715, 0160036721 and 0160036723, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220, 0160043244 and 0160038984)**	
	8162003	1	Controller, Throttle Pedal **(Including (8042 SN 13198 through 18990; 10042 SN 13198 through 19030; 10054 SN 13198 through 19079))**	
	8162007	1	Controller, Throttle Pedal **(Including (8042 SN 18991 through 19987, SN 0160002332 through 0160016590; 10042 SN 19031 through 19987, SN 0160002332 through 0160016667; 10054 SN 19080 through 19987 and SN 0160002332 through 0160016706))**	
	3400022	1	Controller, Throttle Pedal **(Including (8042 SN 0160016610 through 0160045249; 10042 SN 0160016668 through 0160045249; 10054 SN 0160016729 through 0160045249; Including 0160045255 and 0160045255 and 0160045255))**	
	8223049	1	Controller, Transmission (Steering Wheel & Shifter) **(8042 SN 13198 through 19987; 10042 SN 13198 through 19987; 10054 SN 13198 through 19987; SN 0160002332 through 0160014248, SN 0160002332 through 0160015195, SN 0160002332 through 0160015198)**	
	1600429	1	Controller, Transmission (Steering Wheel & Shifter) **(8042 SN 0160015216 through 0160045249; 10042 SN 0160015292 through 0160045249; 10054 SN 0160015218 through 0160045249; Including 0160045255, 0160045255 and 0160045255, Excluding 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)**	
		Ref	Engine - Cummins 4BT/4BTA	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8320262	12	Engine Oil Filter	
	8320270	12	Fuel Filter Element (Fuel/Hydraulic Tank)	
	8273237	12	Primary Filter Element (Air Cleaner)	
	8273238	12	Secondary Filter Element (Air Cleaner)	
		Ref	Engine - Cummins QSB 4.5T	
	8320275	1	Engine Oil Filter	
	8320278	12	Fuel Filter(Fuel System)	
	1101312	12	Primary Filter Element(74HP & 110HP LS)	
	1101313	12	Secondary Filter Element (74HP & 110HP LS)	
	8229234	2	Fuse 10A	
	1001095336	2	Fuse, 150 Amp Mega	
	8229243	2	Fuse, 7.5 AMP Mini	
	70020367	1	Relay, 12V	
	77383377	1	Relay, Starter 75 Amp	
		Ref	Engine - Cummins QSB4.5	
	70020358	12	Engine Oil Filter	
	70020349	12	Primary Fuel Filter	
	70020348	12	Secondary Fuel Filter	
	1101312	12	Primary Filter Element(74HP & 110HP LS)	
	1101313	12	Secondary Filter Element (74HP & 110HP LS)	
	8229234	2	Fuse 10A	
	8229243	2	Fuse, 7.5 AMP Mini	
	8229259	2	Fuse, 125 Amp Mega	
	77383377	1	Relay, Starter 75 Amp	
	8225122	1	Relay, Grid Heater	
		Ref	Engine - CumminsQSB3.3	
	8036204	12	Oil Filter Element	
	70021851	12	Primary Fuel Filter	
	70022846	12	Secondary Fuel Filter	
	1101312	12	Primary Filter Element(74HP & 110HP LS)	
	1101313	12	Secondary Filter Element (74HP & 110HP LS)	
	1001118245	2	Fuse, 250 Amp Mega	
	77383377	1	Relay, Starter 75 Amp	
	1001117308	1	Relay, 200 Amp	
	1319726	12	Filter, Transmission Oil	
	8229233	2	Fuse, 7.5 Amp	
	8226234	2	Fuse, 10 Amp	
	8229237	2	Fuse, 15 Amp	
	8229235	2	Fuse, 20 Amp	
	8229236	2	Fuse, 30 Amp	
	8229238	2	Fuse, 40 Amp	
	8035807	1	Key (Ignition)	
	70021948	1	Key, Round (Cab Door)	
	8342808	1	Key, Square (Cab Door)	
	2940074	1	Latch (Fork Mounted Platform)	
	8225119	1	Relay (Road Lighting, Cab Harness, Outrigger Harness)	
	8320265	12	Return Filter Element (Fuel/Hydraulic Tank) **(SN 0160002332 through 0160040220, Excluding 0160039850 and 0160040126)**	
	7301252	12	Return Filter Element (Fuel/Hydraulic Tank) **(SN 0160040220 through 0160045249, Including 0160045255, 0160039850 and 0160040126, Excluding 0160042754, 0160042762,**	

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			0160042877, 0160042911, 0160043185, 0160043220 and 0160043244)	
	1001130307	1	Sensor, Boom	
	1001145026	1	Sensor, Fuel (Hydraulic/Fuel/DEF Tank)	
	70023947	1	Sensor, Primary Fuel (Fuel System)	
	70023521	1	Solenoid (Directional Control Valve)	
	8902698	1	Solenoid Coil (Directional Control Valve)	
	70022724	1	Solenoid Coil With Diode (Directional Control Valve)	
	8902194	1	Solenoid Valve (Directional Control Valve)	
	1319702	1	Solenoid Valve (Transmission)	
	8223038	1	Switch, Beacon (Rotating Beacon)	
	8223025	1	Switch, Brake Lights (Cab Harness)	
	8223057	1	Switch, Brake Lights (Road Light System)	
	8223060	1	Switch, Hazard (Road Light System)	
	8036463	1	Switch, Heater Control (Cab Heater)	
	7138878	1	Switch, Horn Button (Steering Wheel & Shifter)	
	8223226	1	Switch, Hydraulic Temp (Hydraulic Tank)	
	8223453	1	Switch, Ignition (Control Console)	
	4360690	1	Switch, Ignition (Control Console, Weather Kit)	
	8223041	1	Switch, Outrigger Control Left (Outrigger Harness)	
	8223042	1	Switch, Outrigger Control Right (Outrigger Harness)	
	8223054	1	Switch, Park Brake (Control Console)	
	8223536	1	Sensor, Pressure (Outrigger)	
	8223037	1	Switch, Steer Select (Control Console)	
	8223044	1	Switch, Windshield Washer (Front Windshield/Skylight Wiper)	
	8223043	1	Switch, Windshield Wiper (Front Windshield/Skylight Wiper)	
	8223059	1	Switch, Work Light (Work Light & Road Light)	

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

FIGURE 13-1. SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	See Note	Ref	Note: This list is to accommodate machines ordered with special options, supply accessories and provide kits and tools. Not all components in the list will be applicable for all models. More specific information, contact the JLG Parts Department.	
		Ref	SPECIAL OPTIONS/ACCESSORIES/KITS	
	1001136918	Ref	Air Baffle Kit	
	1001200204	Ref	Alarm (White Noise) Kit	
	1001195606	Ref	Anti-Stall Kit (T4i)	
	1001101983	Ref	Axle Lube Kit - High Mount Axle Pin	
	1001121513	Ref	Axle Upgrade Kit - 4-Gear Planetary Rear Axle	
	1001109532	Ref	Baffle Kit	
	1001126387	Ref	Bearing Retainer Kit	
	2915208	Ref	Boom Pivot Replacement Kit	
	7131633	Ref	Boom Pivot Replacement Kit (LH)	
	7131643	Ref	Boom Pivot Replacement Kit (RH)	
	8024032	Ref	Boom Extend Chain Kit (Legacy Machines) (10042,10054,8042) **(SN 131198 through 19987, SN 0160002332 to Present)**	
	8024053	Ref	Boom Extend Chain Kit (Legacy Machines) (10054) **(SN 131198 through 19987, SN 0160002332 to Present)**	
	8024033	Ref	Boom Retract Chain Kit (Legacy Machines) (10042,10054,8042) **(SN 131198 through 19987, SN 0160002332 to Present)**	
	2910998	Ref	Boom Wear Pad Kit (Pre-Legacy Machines) (10042,8042)	
	2910995	Ref	Boom Wear Pad Kit (Legacy Machines) (10042,8042)	
	2910999	Ref	Boom Wear Pad Kit (Pre-Legacy Machines) (10054)	
	2910996	Ref	Boom Wear Pad Kit (Legacy Machines) (10054)	
	1001167009	Ref	Brake Inlet Pressure Kit	
	1001171117	Ref	Brake Valve Fitting Kit	
	1001265373	Ref	ClearSky Telematics Harness Add-on Kit	
	1001154226	Ref	Cooler Vent kit	
	1001116482	Ref	Controls (3-Speed) Shift Kit	
	2915189	Ref	Decal Kit - ANSI (8042)	
	2915190	Ref	Decal Kit - ANSI (10042)	
	2915191	Ref	Decal Kit - ANSI (10054)	
	1001112526	Ref	Decal Kit - ISO (8042)	
	1001110915	Ref	Decal Kit - ISO (10042)	
	1001111308	Ref	Decal Kit - ISO (10054)	
	1001202258	Ref	Door Bumper Kit	
		Ref	Electrical Connector Kits	
	1001148902	Ref	Electrical Connector Kits - Amp/Tyco Electrical Connectors	
	1001148903	Ref	Electrical Connector Kits - Deutsch DT Electrical Connectors	
	1001148904	Ref	Electrical Connector Kits - Deutsch HD Electrical Connectors	
	1001148905	Ref	Electrical Connector Kits - Packard Electrical Connectors	
	1001148906	Ref	Electrical Connector Kits - Various Electrical Connectors	
	1001177168	Ref	Engine Lifting Brackets Kit	
	1001145164	Ref	Engine Lifting (Rear) Brackets Kit (Tier 3.3 Engines)	
	1001109004	Ref	Engine Mount Kit	
	1001136165	Ref	Filter Kit - Fuel (LRC)	
	7138291	Ref	Filter Service Kit - 250 Hour - Cummins 4BT3.9 Turbo Engine (Pre-Legacy Machines) (10042,10054,8042) **(Prior to SN 9910)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7138290	Ref	Filter Service Kit - 250 Hour - Cummins 4BT3.9 Turbo Engine (Pre-Legacy & Legacy Machines) (8042)	
	8024049	Ref	Filter Service Kit - 250 Hour - Cummins Tier II Engine **(SN 18991 through 19987, SN 0160002332 through 0160029592)**	
	1001150516	Ref	Filter Service Kit - 250 Hour - LS Engine (Legacy)	
	1001150524	Ref	Filter Service Kit - 250 Hour - LS Engine (Legacy)	
	7138301	Ref	Filter Service Kit - 1000 Hour - Cummins 4BT3.9/4BT309 Turbo Engine (Legacy) (was PN 7092051) **(Prior to SN 1606)**	
	7138297	Ref	Filter Service Kit - 1000 Hour - Cummins 4BT3.9/4BT309 Turbo Engine (Legacy) (was PN 7092051) **(SN 1606 through 9908)**	
	7138848	Ref	Filter Service Kit - 1000 Hour - Cummins 4BT3.9 Turbo Engine (Pre-Legacy Machines) (10042,10054,8042) **(SN 9910 through 13197)**	
	8024000	Ref	Filter Service Kit - 1000 Hour - Cummins 4BT3.9 Turbo Engine (Legacy Machines) (10042,10054,8042) **(SN 13198 through 18990)**	
	8024050	Ref	Filter Service Kit - 1000 Hour - Cummins Tier II Engine **(SN 18991 through 19987, SN 0160002332 through 0160029592)**	
	1001111850	Ref	Filter Service Kit - 1000 Hour - Cummins Tier III QSB4.5 Engine **(SN 01600029593 to Present)**	
	1001150525	Ref	Filter Service Kit - 1000 Hour - LS Engine (Legacy)	
	1001150526	Ref	Filter Service Kit - 1000 Hour - ULS Engine (Legacy)	
	1001193364	Ref	Fire Extinguisher Kit	
	1001203742	Ref	Hose Kit - Frame Tilt Plumbing	
	80904003	Ref	Hydraulic Test Kit	
	1001253916	Ref	Latch Catch Replacement Kit	
	1001132458	Ref	Latch with Plate Kit	
	1001137628	Ref	Light Kit - Roadlight with Adjustable Pedal	
	1001137627	Ref	Light Kit - Worklight	
	1001188068	Ref	Luk Coupler Kit	
	1001137140	Ref	Pump Kit - Eaton	
	1001137141	Ref	Pump Kit - Rexroth	
	1001137139	Ref	Pump Kit - Sauer	
	1001130717	Ref	Service Kits List	Y
	1001196630	Ref	Steer Orbital Kit (T4i)	
	1001273266	Ref	Throttle Pedal Extension Harness	
	1001273267	Ref	Throttle Pedal Extension Harness	
	1001248570	Ref	Tire Set Kit - Foam-Filled 13.00 x 24 (8042)	
	1001248572	Ref	Tire Set Kit - Foam-Filled 14.00 x 24 (10042,10054)	
	1001248571	Ref	Tire Set Kit - Pneumatic 13.00 x 24 (8042)	
	1001248573	Ref	Tire Set Kit - Pneumatic 14.00 x 24 (10042,10054)	
	1001274718	Ref	Tire Set Kit - Solid 13.00 x 24 Directional	
	1001274257	Ref	Tire Set Kit - Solid 13.00 x 28 Directional	
	1001274302	Ref	Tire Set Kit - Solid 13.00 x 28 Non-Directional	
	1001274721	Ref	Tire Set Kit - Solid 14.00 x 24 Directional	
	1001274305	Ref	Tire Set Kit - Solid 14.00 x 28 Directional	
	1001274307	Ref	Tire Set Kit - Solid 14.00 x 28 Non-Directional	
		Ref	Tools for Service	A
	2901443	Ref	Analyzer Kit	
	1001249695	Ref	Analyzer and Cable Kit	
	1001249941	Ref	Analyzer and Cable Kit (Battery Powered)	
	1001137005	Ref	Cable Kit, Software	
	7002821	Ref	Crimper, Wire	

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7002823	Ref	Pin Extractor - Universal (For Electrical Connectors with Pins and Sockets)	
	4460510	Ref	Pin Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460467	Ref	Pin Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7016654	Ref	Screwdriver, Magnetic	
	7002822	Ref	Screwdriver, Potentiometer	
	7004275	Ref	Seal Tool 1in (For Cylinders)	
	7004276	Ref	Seal Tool 1-1/2in (For Cylinders)	
	7002828	Ref	Stripper, Wire	
	80304484	Ref	Pry Bar Set, ZF Axle	
	80304480	Ref	Two-Armed Puller, ZF Axle	
	7025854	Ref	Two-Armed Puller, ZF Axle	
	70010241	Ref	Threaded Ring, M105 x 3, ZF Axle	
	70010239	Ref	Two-Armed Puller, 160-150mm, ZF Axle and Transmission	
	70023172	Ref	Gripping Insert Super, ZF Axle	
	70023173	Ref	Back-Off Insert, Rear ZF Axle	
	70023174	Ref	Eye Bolt Assortment, ZF Axle and Transmission	
	70022872	Ref	Internal Extractor, 45-58mm, ZF Axle and Transmission	
	70022873	Ref	Internal Extractor, 70-100mm, ZF Axle	
	70022871	Ref	Counter Support, Rear ZF Axle and Transmission	
	7029740	Ref	Driver, ZF Axle	
	7029739	Ref	Driver, ZF Axle	
	7029738	Ref	Driver, ZF Axle	
	70010244	Ref	Internal Extractor, ZF Axle	
	70010245	Ref	Counter Support, ZF Axle	
	70022866	Ref	Spanner, ZF Axle	
	70022867	Ref	Torque Spanner, 5-45Nm, ZF Axle	
	80304492	Ref	Wheel Boult Puller Basic Set, ZF Axle	
	70110101	Ref	Driver, ZF Axle	
	80304498	Ref	Handle, ZF Axle	
	70010281	Ref	Slotted Nut Wrench, ZF Axle	
	70010283	Ref	Installer, ZF Axle	
	70010284	Ref	Installer, ZF Axle	
	80304497	Ref	HP-Pump, ZF Axle	
	7025856	Ref	Striker, ZF Axle	
	70010243	Ref	Measuring Hub, 9/16in-18UNF	
	1001162831	Ref	Window (Dropout) Kit (ANSI Specs)	
	1001162832	Ref	Window (Dropout) Kit (CSA Specs)	
	1001162833	Ref	Window (Dropout) Kit (ISO Specs)	
	1001202925	Ref	Window Kit (Cab Door with Bumpers)	

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