SKYTRAK®

Illustrated Parts Manual

Model 6042

SN 17019 through 19897
& 0160002408 through
0160045063 excluding
0160042742, 0160042747
& 0160042755

8990467

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An Oshkosh Corporation Company

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SECTION 1 - FRAME AND ATTACHING PARTS

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-1. MAIN FRAME COMPONENTS (SN 17019 through 19897, SN 0160002408 through 0160003867)

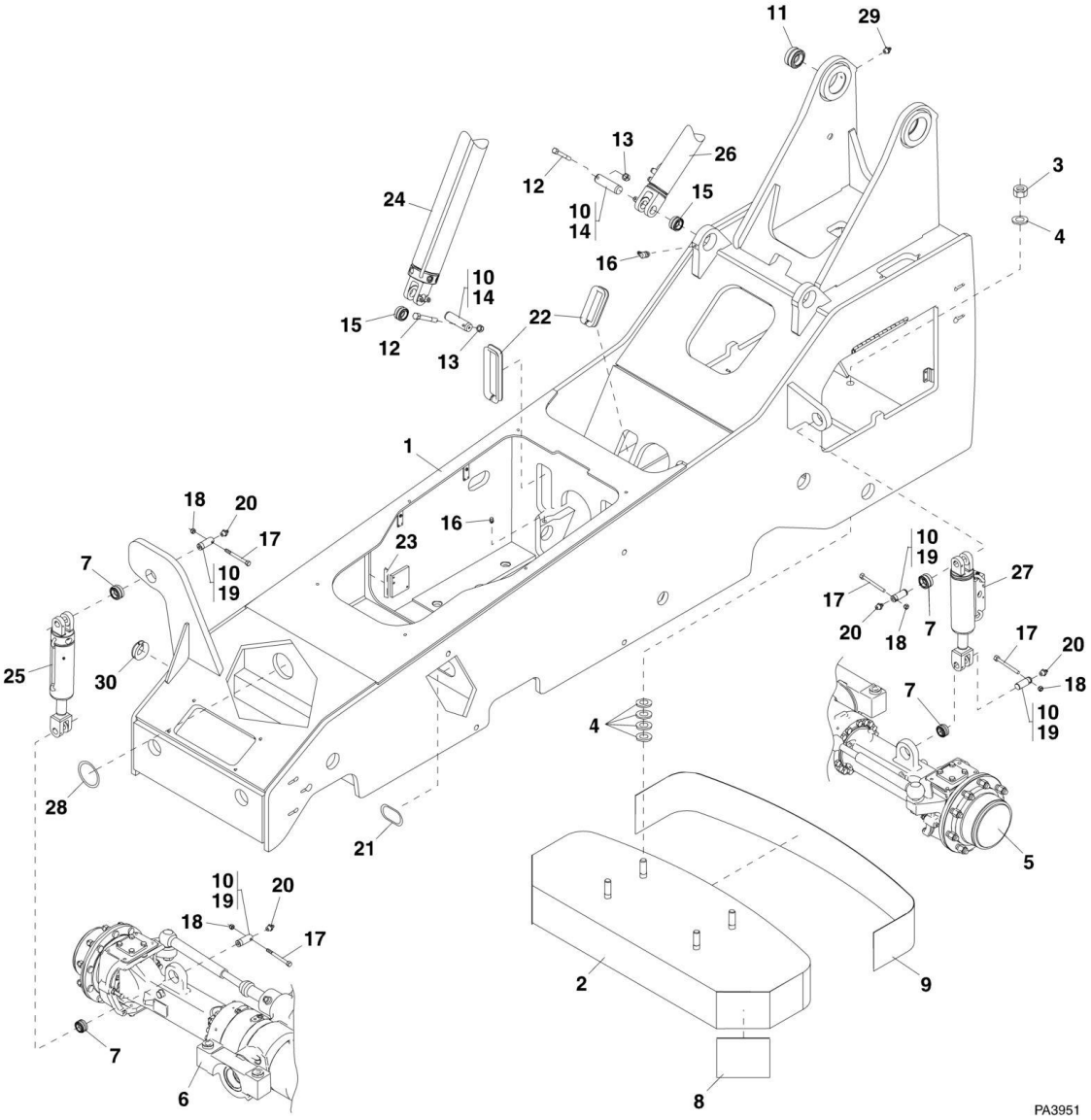


FIGURE 1-1. MAIN FRAME COMPONENTS (SN 17019 through 19897, SN 0160002408 through 0160003867)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.S.S.	1	FRAME WELDMENT	
2	7300762	1	COUNTERWEIGHT	
3	8310481	4	HEX NUT, 1-8	
4	8310066	20	PLAIN WASHER, 1	
5		Ref	REAR AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
6		Ref	FRONT AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
7	8050001	4	BEARING, (self align)	
8	7300777	2	COUNTERWEIGHT WRAPPER	
9	7300765	1	COUNTERWEIGHT WRAPPER	
10	8522012	AR	ANTI-SEIZE LUBE, (apply to items 14 & 19)	
11	8065641	2	BEARING, (self align)	
12	8303782	4	HEX HD CAPSCREW, 1/2-13X4, GR5	
13	8305644	4	HEX LOCKNUT, 1/2-13	
14	7092292	4	LIFT/LOWER AND SLAVE CYLINDERS PIN	
15	8065640	2	BEARING, (self align)	
16	8520021	4	LUBE FITTING, 90, 1/8	
17	8303752	4	HEX HD CAPSCREW, 5/16-18X3-1/2, GR5	
18	8305626	4	HEX LOCKNUT, 5/16-18	
19	7137142	4	CYLINDER PIN	
20	8520001	4	LUBE FITTING, STRAIGHT, 1/8	
21	7124301	AR	CONDUIT, .50X15.5, (cut to fit)	
22	7139156	AR	CONDUIT, 1.0X28, (cut to fit)	
23	7125871	AR	CONDUIT, .50X8, (cut to fit)	
24		Ref	BOOM LIFT/LOWER CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25		Ref	FRAME SWAY CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
26		Ref	SLAVE CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
27		Ref	STABIL-TRAK CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
28	7139613	AR	CONDUIT, 1.0X18, (cut to fit)	
29	8520013	2	LUBE FITTING, STRAIGHT, 1/8	
30	7124471	AR	CONDUIT, 1.0X12.5, (cut to fit)	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-2. MAIN FRAME COMPONENTS (SN 0160003879 through 0160004368)

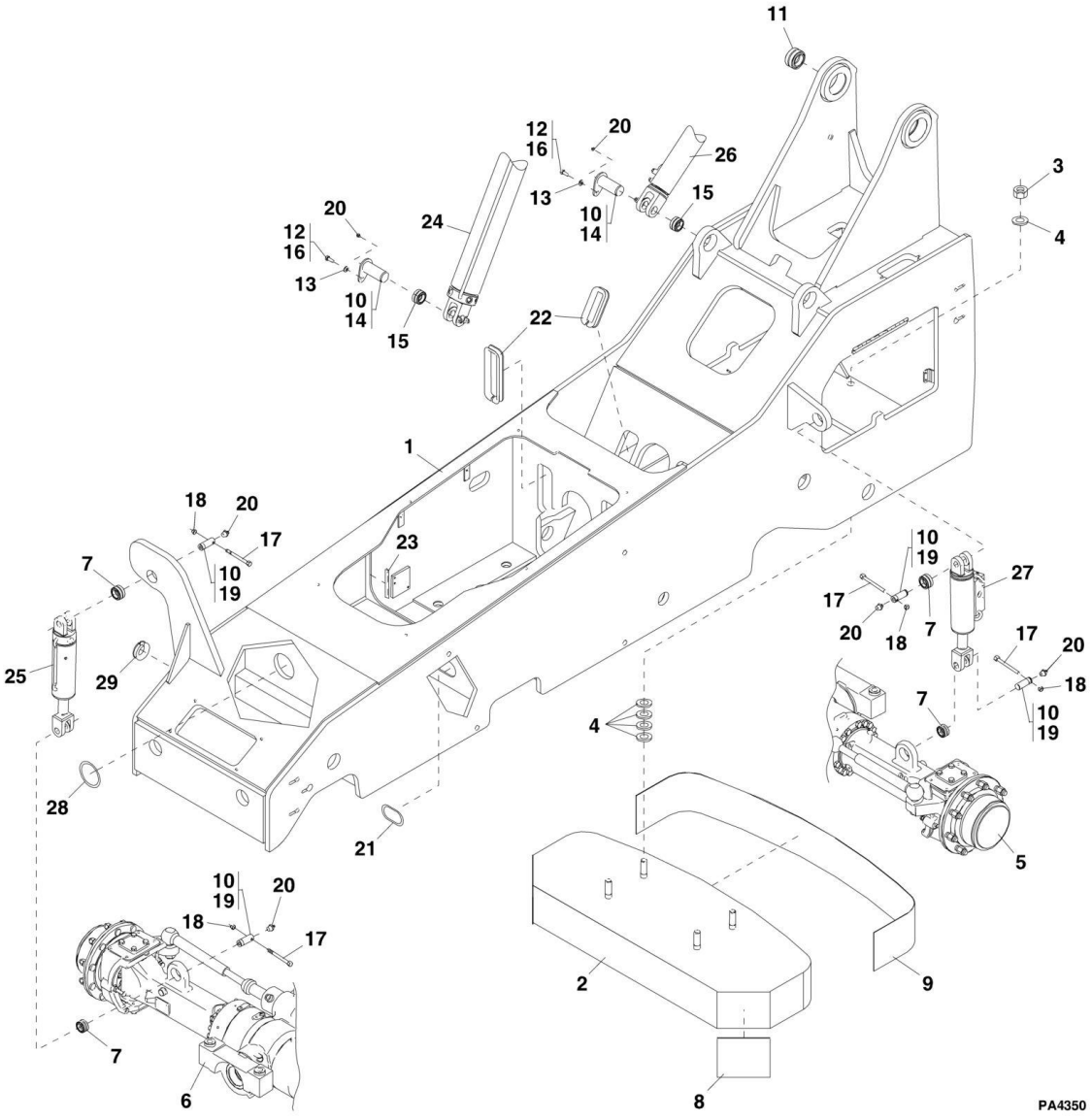


FIGURE 1-2. MAIN FRAME COMPONENTS (SN 0160003879 through 0160004368)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.S.S.	1	FRAME WELDMENT	
2	7300762	1	COUNTERWEIGHT	
3	8310481	4	HEX NUT, 1-8	
4	8310066	20	PLAIN WASHER, 1	
5		Ref	REAR AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
6		Ref	FRONT AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
7	8050001	4	BEARING, (self align)	
8	7300777	2	COUNTERWEIGHT WRAPPER	
9	7300765	1	COUNTERWEIGHT WRAPPER	
10	8522012	AR	ANTI-SEIZE LUBE, (apply to items 14 & 19)	
11	8065641	2	BEARING, (self align)	
12	8303625	4	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5	
13	8310056	4	HARD WASHER, 1/2	
14	7302039	4	LIFT/LOWER AND SLAVE CYLINDERS PIN	
15	8065640	2	BEARING, (self align)	
16	0100011	AR	LOCTITE 242, (apply to item 12)	
17	8303752	4	HEX HD CAPSCREW, 5/16-18X3-1/2, GR5	
18	8305626	4	HEX LOCKNUT, 5/16-18	
19	7137142	4	CYLINDER PIN	
20	8520001	8	LUBE FITTING, STRAIGHT, 1/8	
21	7124301	AR	CONDUIT, .50X15.5, (cut to fit)	
22	7139156	AR	CONDUIT, 1.0X28, (cut to fit)	
23	7125871	AR	CONDUIT, .50X8, (cut to fit)	
24		Ref	BOOM LIFT/LOWER CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25		Ref	FRAME SWAY CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
26		Ref	SLAVE CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
27		Ref	STABIL-TRAK CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
28	7139613	AR	CONDUIT, 1.0X18, (cut to fit)	
29	7124471	AR	CONDUIT, 1.0X12.5, (cut to fit)	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-3. MAIN FRAME COMPONENTS (SN 0160004397 through 0160013566)

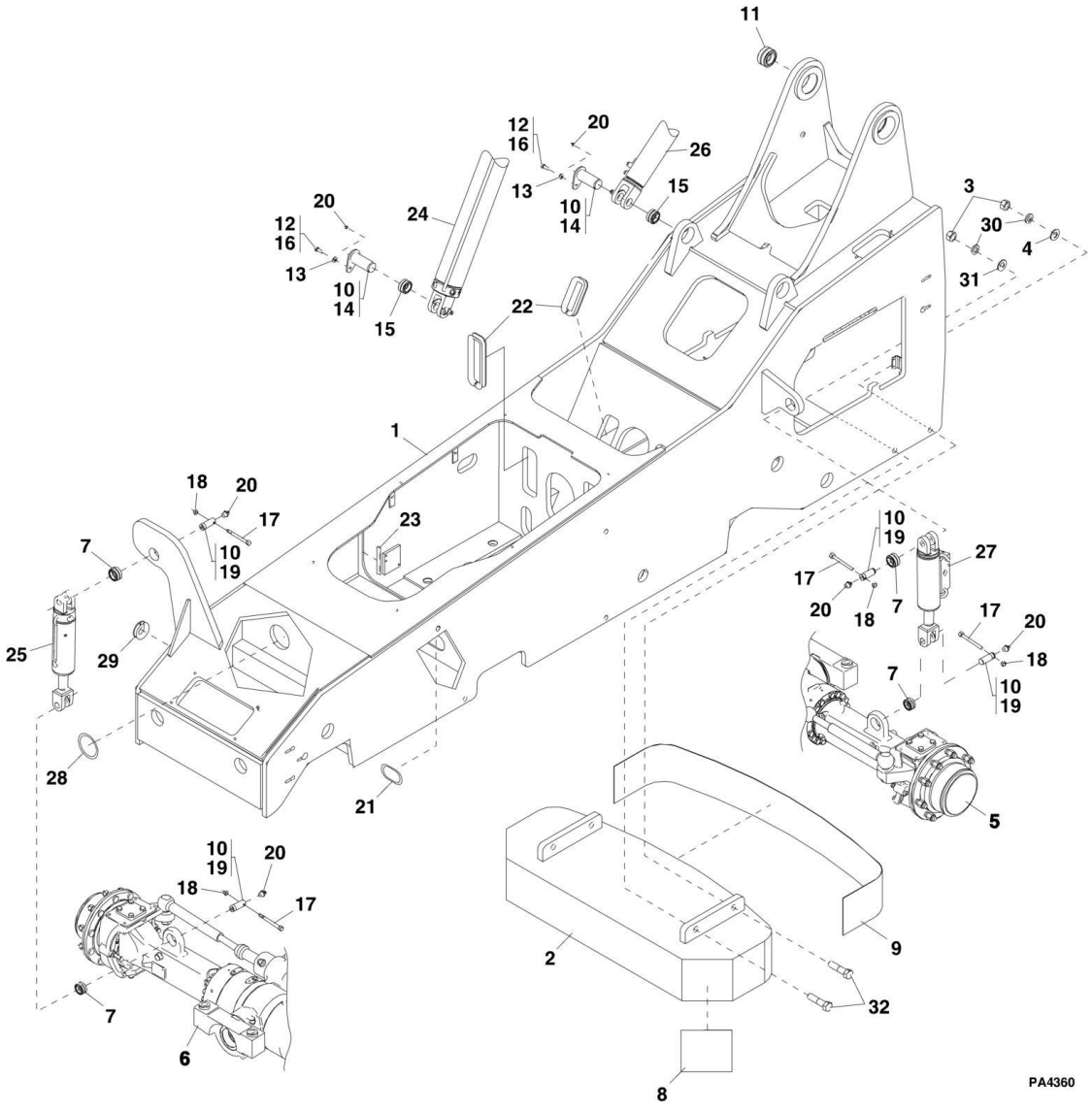


FIGURE 1-3. MAIN FRAME COMPONENTS (SN 0160004397 through 0160013566)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.S.S.	1	FRAME WELDMENT	
2	4821450	1	COUNTERWEIGHT **(SN 0160004397 through 0160004719)**	
2	4821449	1	COUNTERWEIGHT **(SN 0160004746 through 0160013566)**	
3	8310481	4	HEX NUT, 1-8	
4	8310066	20	PLAIN WASHER, 1	
5		Ref	REAR AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
6		Ref	FRONT AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
7	8050001	4	BEARING, (self align)	
8	4821434	2	COUNTERWEIGHT WRAPPER **(SN 0160004397 through 0160004719)**	
8	3575604	2	COUNTERWEIGHT WRAPPER **(SN 0160004746 through 0160013566)**	
9	4821433	1	COUNTERWEIGHT WRAPPER **(SN 0160004397 through 0160004719)**	
9	3575603	1	COUNTERWEIGHT WRAPPER **(SN 0160004746 through 0160013566)**	
10	8522012	AR	ANTI-SEIZE LUBE, (apply to items 14 & 19)	
11	8065641	2	BEARING, (self align)	
12	8303625	4	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5	
13	8310056	4	HARD WASHER, 1/2	
14	7302039	4	LIFT/LOWER AND SLAVE CYLINDER PINS	
15	8065640	2	BEARING, (self align)	
16	0100011	AR	LOCTITE 242, (apply to item 12)	
17	8303752	4	HEX HD CAPSCREW, 5/16-18X3-1/2, GR5	
18	8305626	4	HEX LOCKNUT, 5/16-18	
19	7137142	4	CYLINDER PIN	
20	8520001	2	LUBE FITTING, STRAIGHT, 1/8	
21	7124301	AR	CONDUIT, .50X15.5, (cut to fit)	
22	7139156	AR	CONDUIT, 1.0X28, (cut to fit)	
23	7125871	AR	CONDUIT, .50X8, (cut to fit)	
24		Ref	BOOM LIFT/LOWER CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25		Ref	FRAME SWAY CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
26		Ref	SLAVE CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
27		Ref	STABIL-TRAK CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
28	7139613	AR	CONDUIT, 1.0X18, (cut to fit)	
29	7124471	AR	CONDUIT, 1.0X12.5, (cut to fit)	
30	8307012	4	LOCKWASHER, 1	
31	5724302	AR	SHIM	
32	8310051	4	HEX HD CAPSCREW, 1-8X4, GR5	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-4. MAIN FRAME COMPONENTS (SN 0160013567 to Present)

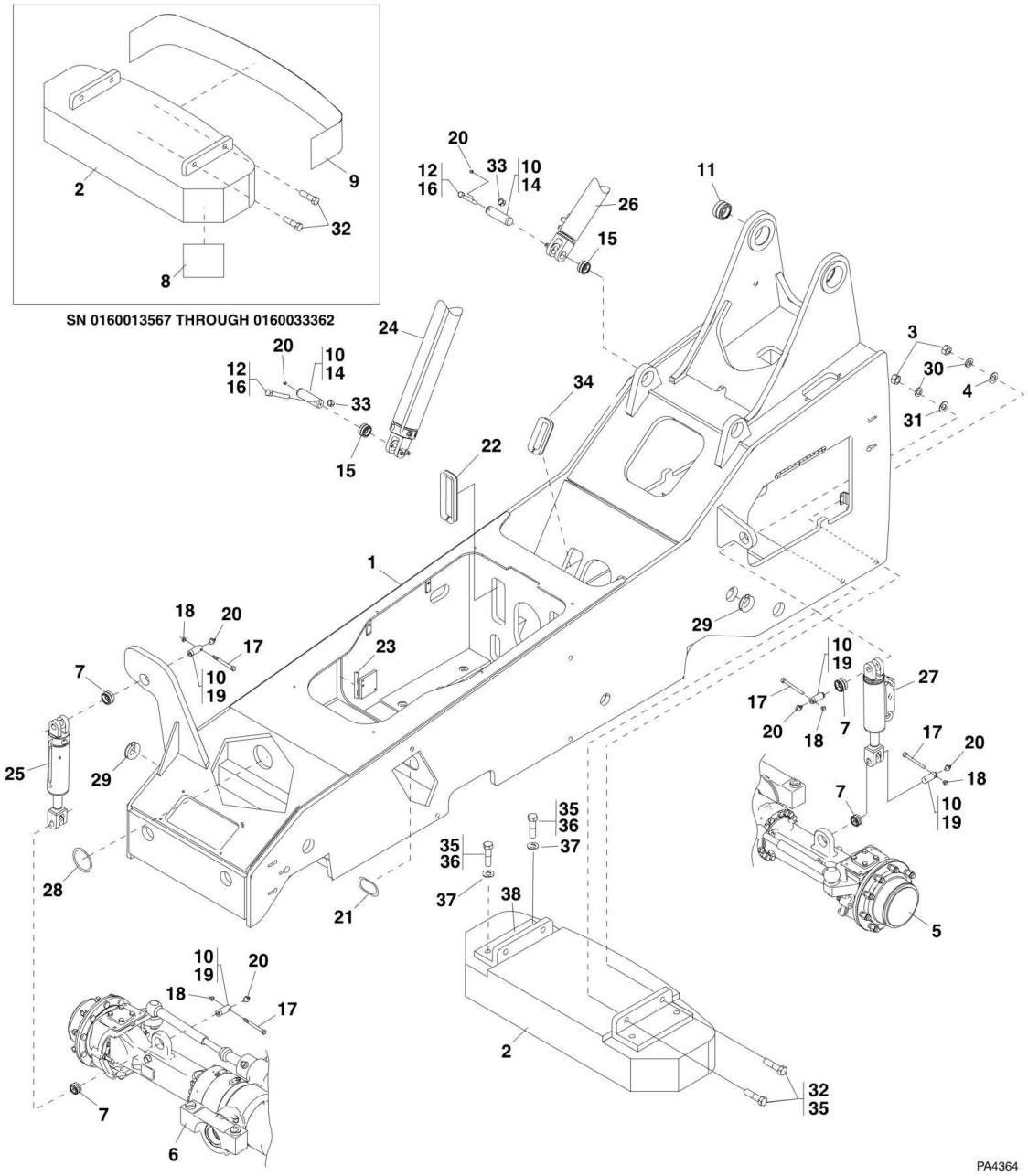


FIGURE 1-4. MAIN FRAME COMPONENTS (SN 0160013567 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.S.S.	1	FRAME WELDMENT	
2	4821449	1	COUNTERWEIGHT **(SN 0160013567 through 0160033362)**	
2	1001094783	1	COUNTERWEIGHT **(SN 0160033363 to Present)**	
3	8305021	4	HEX NUT, 1-8	
4	8310066	20	PLAIN WASHER, 1 **(SN 0160013567 through 0160033362)**	
4	4892600	2	HARDENED WASHER, 1 **(SN 0160033363 to Present)**	
5		Ref	REAR AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
6		Ref	FRONT AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
7	8050001	4	BEARING, (self align)	
8	3575604	2	COUNTERWEIGHT WRAPPER **(SN 0160013567 through 0160033363)**	
9	3575603	1	COUNTERWEIGHT WRAPPER **(SN 0160013567 through 0160033363)**	
10	8522012	AR	ANTI-SEIZE LUBE, (apply to items 14 & 19)	
11	8065641	2	BEARING, (self align)	
12	8303782	8	HEX HD CAPSCREW, 1/2-13X4, GR5	
14	3423227	8	LIFT/LOWER AND SLAVE CYLINDER PIN	
15	8065640	4	BEARING, (self align)	
16	0100011	AR	LOCTITE 242, (apply to item 12)	
17	8303752	4	HEX HD CAPSCREW, 5/16-18X3-1/2, GR5	
18	8305626	4	HEX LOCKNUT, 5/16-18	
19	7137142	4	CYLINDER PIN	
20	8520001	8	LUBE FITTING, STRAIGHT, 1/8	
21	7124301	AR	CONDUIT, .50X15.5, (cut to fit)	
22	7139156	AR	CONDUIT, 1.0X28, (cut to fit)	
23	7125871	AR	CONDUIT, .50X8, (cut to fit)	
24		Ref	BOOM LIFT/LOWER CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25		Ref	FRAME SWAY CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
26		Ref	SLAVE CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
27		Ref	STABIL-TRAK CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
28	7139613	AR	CONDUIT, 1.0X18, (cut to fit)	
29	7124471	AR	CONDUIT, 1.0X12.5, (cut to fit)	
30	8307012	4	LOCKWASHER, 1	
31	5724302	AR	SHIM **(SN 0160013567 through 0160033362)**	
31	4892600	2	HARDENED WASHER, 1 **(SN 0160033363 to Present)**	
32	8310051	4	HEX HD CAPSCREW, 1-8X4, GR5 **(SN 0160013567 through 0160033362)**	
32	0642628	4	HEX HD CAPSCREW, 1-8X3-1/2, GR5, (torque to 675 lb-ft) **(SN 0160033363 to Present)**	
33	8305644	8	HEX LOCKNUT, 1/2-13,	
34	1560028	2	CONDUIT, 1.0 POLY **(SN 0160015215 to Present)**	
35	0100019	AR	LOCTITE 271, (apply to item 36) **(SN 0160033363 to Present)**	
36	0642222	4	HEX HD CAPSCREW, 3/4-10X2-3/4, GR5, (torque to 285 lb-ft) **(SN 0160033363 to Present)**	
37	4892200	4	HARDENED WASHER, 3/4 **(SN 0160033363 to Present)**	
38	1001094877	2	ANGLE COUNTWEIGHT **(SN 0160033363 to Present)**	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-5. HOODS AND GUARDS

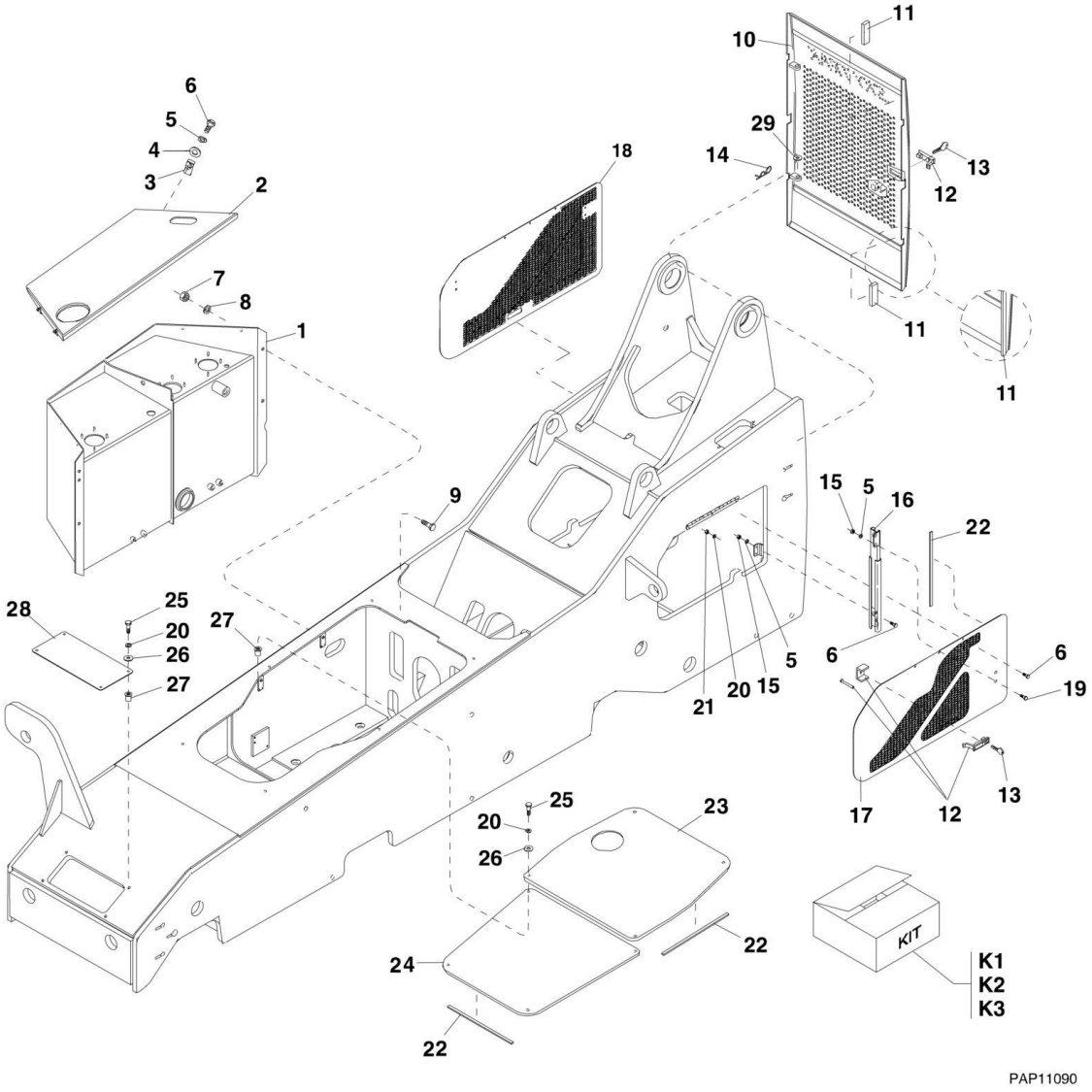


FIGURE 1-5. HOODS AND GUARDS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	FUEL AND HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	7150661	1	FUEL/HYDRAULIC TANK COVER	
3	8310658	4	RETAINING NUT, 5/16	
4	8307203	4	FLAT WASHER, 5/16	
5	8307004	16	LOCKWASHER, 5/16	
6	8303656	16	HEX HD CAPSCREW, 5/16-18X7/8	
7	8305014	4	HEX NUT, 5/8-11	
8	8307009	4	LOCKWASHER, 5/8	
9	8310129	4	CARRIAGE BOLT, 5/8-11X2-1/2	
10	7139462	1	RADIATOR COVER **(Prior to SN 0160039246)**	
10	1001094897	1	RADIATOR COVER **(SN 0160039246 through 0160040274, Including 0160040429)**	
10	1001125530	1	RADIATOR COVER **(SN 0160040275 through 0160043279, Excluding 0160040429)**	
10	1001131246	NLA	RADIATOR COVER, (no longer available, use 1001150496 for replacement) **(SN 0160044138 to Present)**	
10	1001150496	1	RADIATOR COVER	
11	5724742	2	GASKET **(Prior to SN 0160039075)**	
11	90206196	AR	TRIM **(SN 0160039075 to Present)**	
12	1001131179	3	LATCH ASSY	
13	8342808	AR	KEY SET	
14	8302470	2	COTTER PIN	
15	8305006	12	HEX NUT, .325	
16	7139714	3	SIDE DOOR PROP	
17	1001131334	1	SIDE ACCESS COVER, (left)	
18	1001131244	1	SIDE ACCESS COVER, (right)	
19	8303729	6	HEX HD CAPSCREW, 1/4-20X5/8	
20	8307002	16	LOCKWASHER, 1/4	
21	8305004	6	HEX NUT, 1/4-20	
22	4420037	AR	FOAM TAPE - 60IN, (235 in needed)	
23	7139455	1	UPPER TRANSMISSION COVER	
24	7139406	1	LOWER TRANSMISSION COVER	
25	8303615	10	HEX HD CAPSCREW, 1/4-20X1-1/4	
26	8307202	10	PLAIN WASHER, 1/4	
27	8580420	10	WELL NUT	
28	7150608	1	FRONT COVER	
29	10732150	AR	FLAT WASHER, M10	
K1	1001132437	1	REAR DOOR W/LATCH KIT, (includes items 10 & 12)	
K2	1001132452	1	PANEL W/LATCH KIT, (includes items 12 & 17)	
K3	1001132443	1	PANEL W/LATCH KIT, (includes items 12 & 18)	

SECTION 2 - BOOM

SECTION 2 - BOOM

FIGURE 2-1. FIRST BOOM SECTION (SN 17019 through 19897, SN 0160002408 through 0160003867)

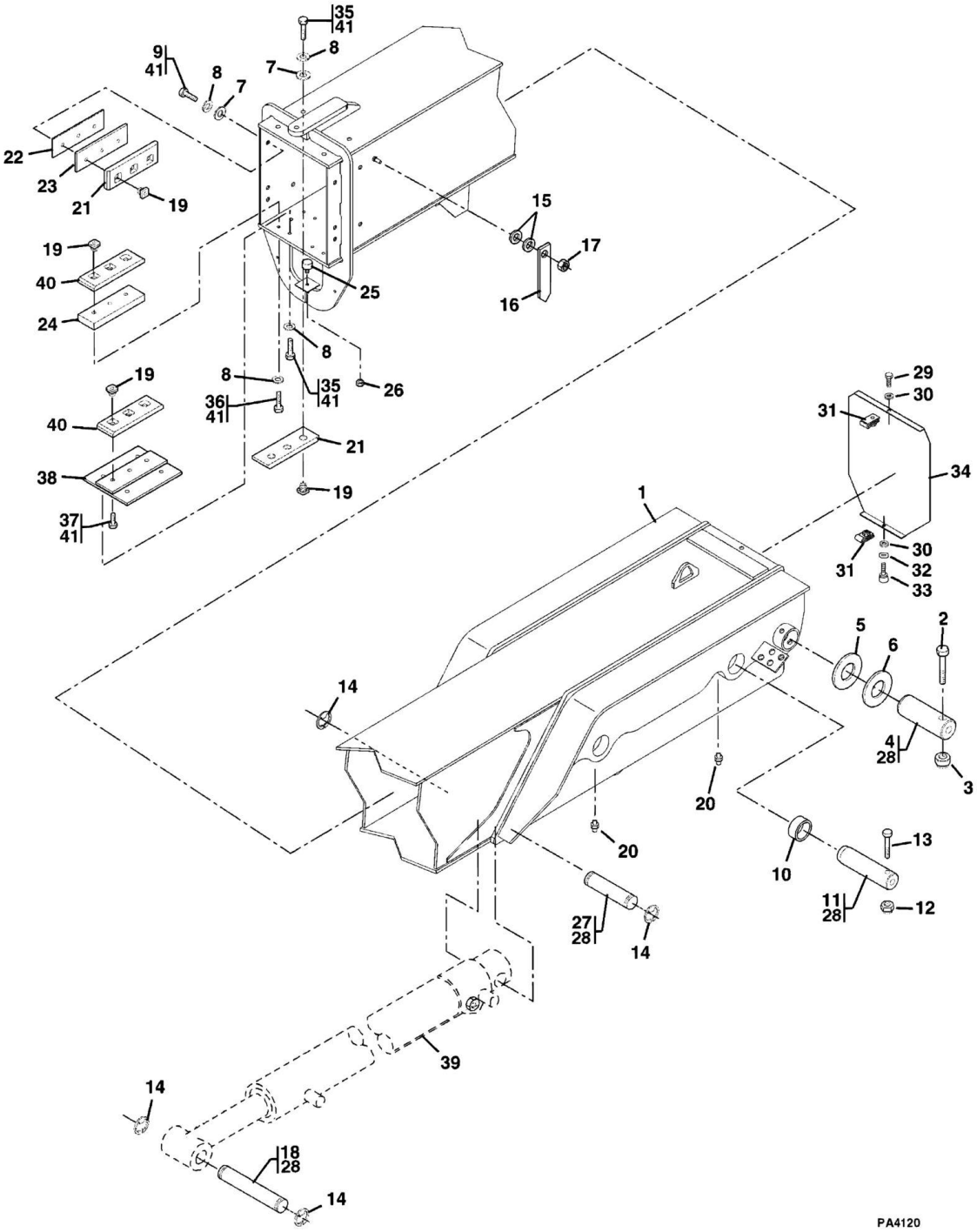


FIGURE 2-1. FIRST BOOM SECTION (SN 17019 through 19897, SN 0160002408 through 0160003867)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7300656	1	OUTER BOOM	
2	8303655	2	HEX HD CAPSCREW, 5/8-11X4.50, (Loctite and torque to 31 lb-ft)	
3	8305643	2	HEX LOCKNUT, 5/8-11	
4	7300748	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	22	LOCKWASHER, 3/8	
9	8303681	8	HEX HD CAPSCREW, 3/8-16X3/4, (Loctite and torque to 31 lb-ft)	
10	8065640	4	SELF-ALIGNING BEARING, 2IN DIA	
11	7092292	4	LIFT/LOWER AND SLAVE CYLINDERS PIN	
12	8305644	4	HEX LOCKNUT, 1/2-13	
13	8303782	4	HEX HD CAPSCREW, 1/2-13X4, (Loctite and torque to 31 lb-ft)	
14	8642224	4	RETAINING RING	
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	STRAIGHT LUBE FITTING, 1/8	
21	7079572	6	WEAR PAD	
22	7082362	AR	SHIM, WEAR PAD (.13in)	
23	7082342	AR	SHIM, WEAR PAD (.07in)	
24	7096882	2	SPACER, WEAR PAD (.62in)	
25	5724622	1	RUBBER BUMPER	
26	8305645	1	HEX LOCKNUT, 3/8-16	
27	7096552	1	EXTEND CYLINDER PIN, (base end)	
28	8522012	AR	ANTI-SEIZE LUBE, (apply to items 4, 11, 18 & 27)	
29	8303697	1	HEX HD CAPSCREW, 5/16-18X3/4	
30	8307106	2	FLAT WASHER, 5/16	
31	8305906	2	RETAINER NUT, 5/16-18	
32	8310431	1	INTERNAL TOOTH LOCKWASHER, 5/16	
33	8310497	1	THUMB SCREW, 5/16-18X1.50	
34	7116792	1	REAR BOOM COVER	
35	8303620	10	HEX HD CAPSCREW, 3/8-16X1.00, (Loctite and torque to 31 lb-ft)	
36	8303621	6	HEX HD CAPSCREW, 3/8-16X1.50, (Loctite and torque to 31 lb-ft)	
37	8303041	3	HEX HD CAPSCREW, 3/8-16X.50, (Loctite and torque to 31 lb-ft)	
38	7096772	1	SPACER, SPECIAL WEAR PAD	
39		Ref	BOOM EXTEND/RETRACT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
40	7111572	3	WEAR PAD	
41	0100011	AR	LOCTITE 242, (apply to items 9, 35, 36 & 37)	

FIGURE 2-2. FIRST BOOM SECTION (SN 0160003879 through 0160014929)

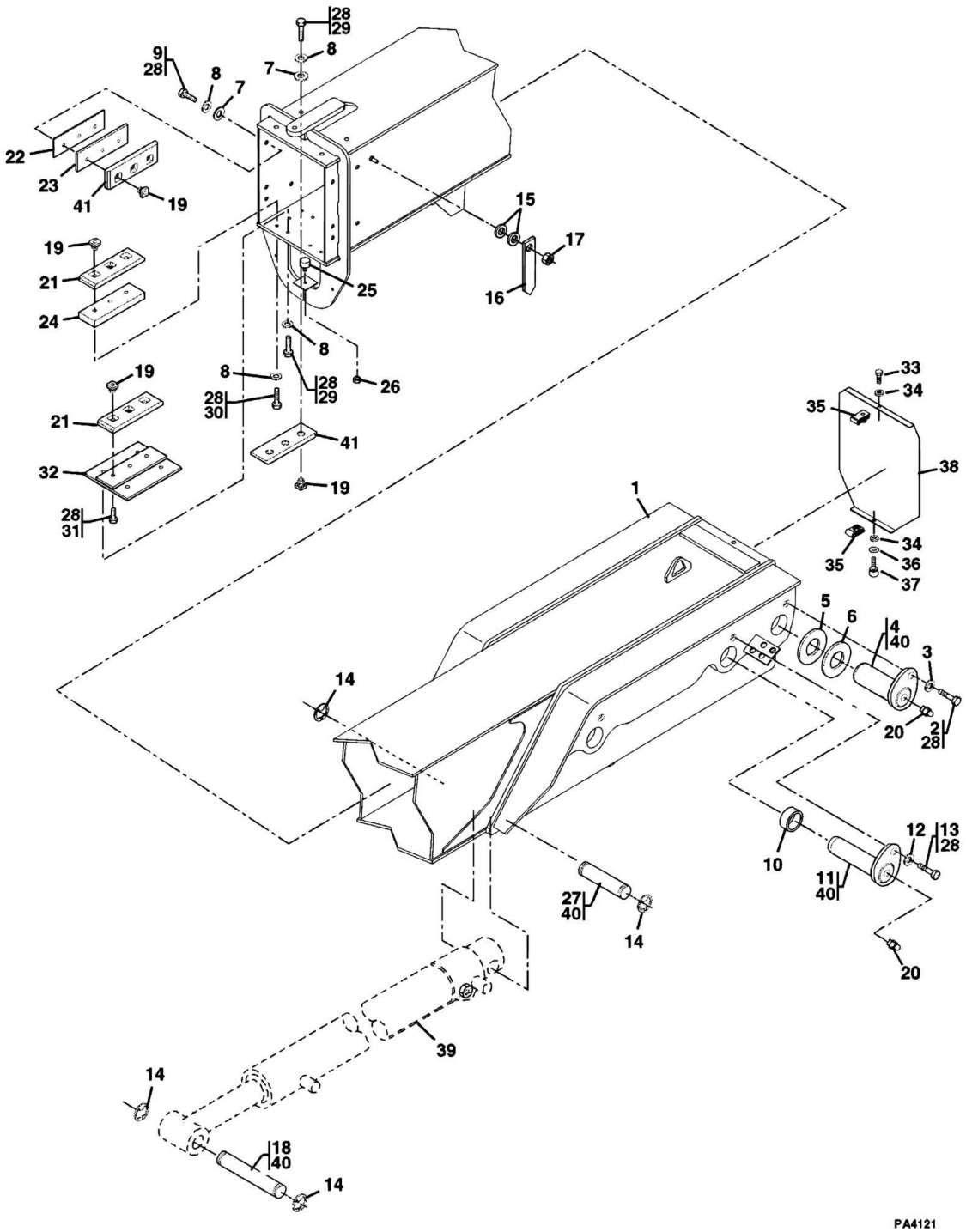


FIGURE 2-2. FIRST BOOM SECTION (SN 0160003879 through 0160014929)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7302052	1	OUTER BOOM	
2	8303712	2	HEX HD CAPSCREW, .625-11NCX1.500 GR5, (Loctite and torque to 31 lb-ft)	
3	8310058	2	PLAIN WASHER, .625	
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	22	LOCKWASHER, 3/8	
9	8303681	8	HEX HD CAPSCREW, 3/8-16X3/4, (Loctite and torque to 31 lb-ft)	
10	8065640	4	SELF-ALIGNING BEARING, 2IN DIA	
11	7302039	4	LIFT/LOWER AND SLAVE CYLINDERS PIN	
12	8310056	8	PLAIN WASHER, .500	
13	8303625	4	HEX HD CAPSCREW, 1/2-13X1-1/4,GR5 (Loctite and torque to 31 lb-ft)	
14	8642224	4	RETAINING RING	
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	8520001	4	STRAIGHT LUBE FITTING, 1/8	
21	7111572	3	WEAR PAD	
22	7082362	AR	SHIM, WEAR PAD (.13in)	
23	7082342	AR	SHIM, WEAR PAD (.07in)	
24	7096882	2	SPACER, WEAR PAD (.62in)	
25	5724622	1	RUBBER BUMPER	
26	8305645	1	HEX LOCKNUT, 3/8-16	
27	7096552	1	EXTEND CYLINDER PIN, (base end)	
28	0100011	AR	LOCTITE 242, (apply to items 2, 9, 29, 30 & 31)	
29	8303620	10	HEX HD CAPSCREW, 3/8-16X1.00, (Loctite and torque to 31 lb-ft)	
30	8303621	6	HEX HD CAPSCREW, 3/8-16X1.50, (Loctite and torque to 31 lb-ft)	
31	8303041	3	HEX HD CAPSCREW, 3/8-16X.50, (Loctite and torque to 31 lb-ft)	
32	7096772	1	SPACER, SPECIAL WEAR PAD	
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	INTERNAL TOOTH LOCKWASHER, 5/16	
37	8310497	1	THUMB SCREW, 5/16-18X1.50	
38	7116792	1	REAR BOOM COVER	
39		Ref	BOOM EXTEND/RETRACT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
40	8522012	AR	ANTI-SEIZE LUBE, (apply to items 4, 11, 18 & 27)	
41	7079572	6	WEAR PAD	

FIGURE 2-3. FIRST BOOM SECTION (SN 0160014947 to Present)

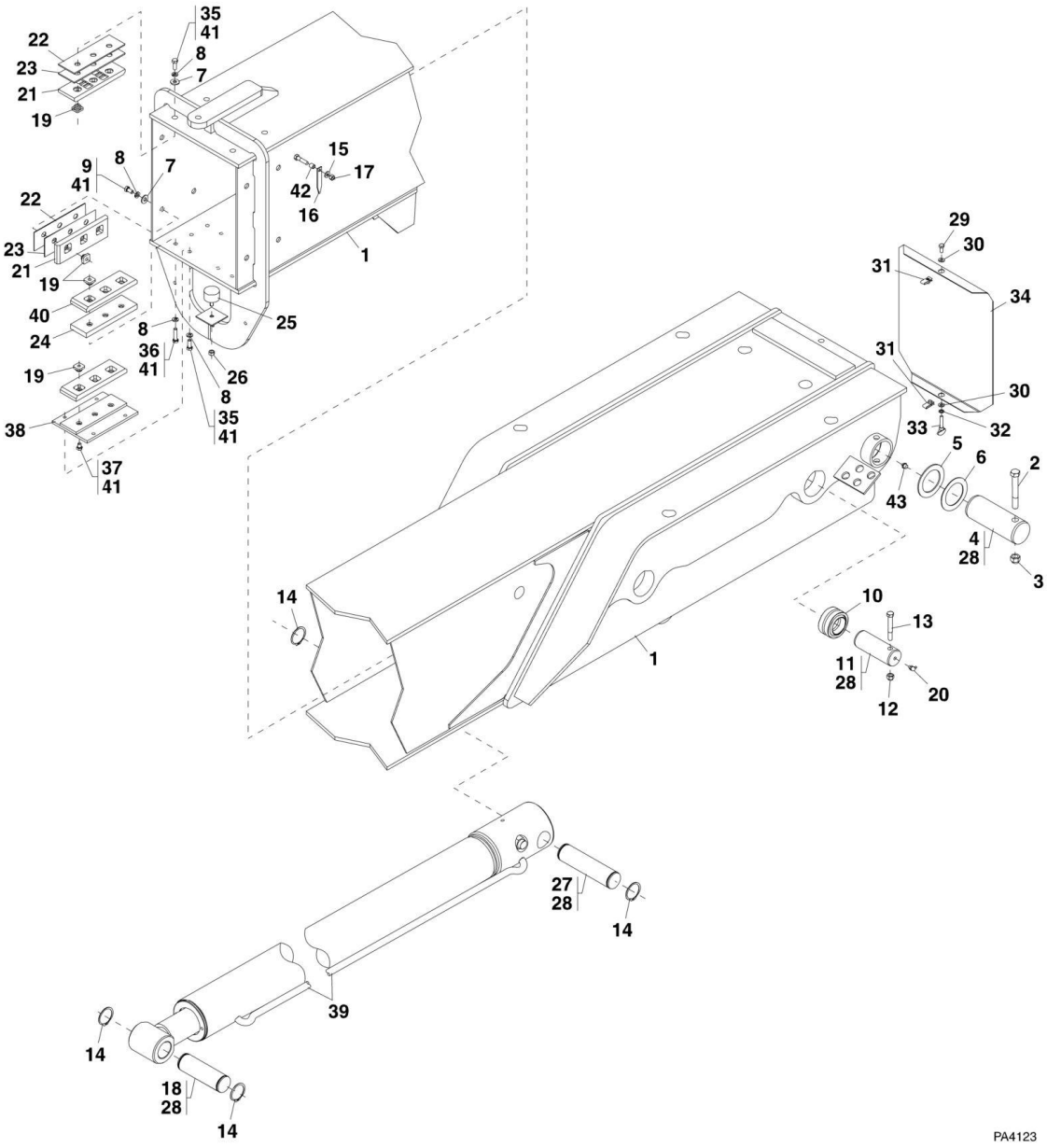


FIGURE 2-3. FIRST BOOM SECTION (SN 0160014947 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7302052	1	OUTER BOOM	
2	8303655	2	HEX HD CAPSCREW, 5/8-11X4.50, (Loctite and torque to 31 lb-ft)	
3	8305643	2	HEX LOCKNUT, 5/8-11	
4	3423226	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	22	LOCKWASHER, 3/8	
9	8303681	8	HEX HD CAPSCREW, 3/8-16X3/4, (Loctite and torque to 31 lb-ft)	
10	8065640	4	SELF-ALIGNING BEARING, 2IN DIA	
11	3423227	4	LIFT/LOWER AND SLAVE CYLINDERS PIN	
12	8305644	4	HEX LOCKNUT, 1/2-13	
13	8303782	4	HEX HD CAPSCREW, 1/2-13X4, (Loctite and torque to 31 lb-ft)	
14	8642224	4	RETAINING RING	
15	8307113	2	FLAT WASHER, 7/16 **(SN 0160014947 through 0160032330)**	
15	4711600	1	FLAT WASHER, 3/8 **(SN 0160032331 to Present)**	
16	7075611	1	POINTER **(SN 0160014947 through 0160032330)**	
16	1001098769	1	POINTER **(SN 0160032331 to Present)**	
17	8305647	1	HEX LOCKNUT, 7/16-14 **(SN 0160014947 through 0160032330)**	
17	8305645	1	HEX LOCKNUT, 3/8-16, (torque to 12 lb-ft) **(SN 0160032331 to Present)**	
18	7096562	1	EXTEND CYLINDER PIN, (rod end)	
19	7082311	21	WEAR PAD INSERT	
20	8520003	4	90, LUBE FITTING, 1/8	
21	7079572	6	WEAR PAD	
22	7082362	AR	SHIM, WEAR PAD (.13in)	
23	7082342	AR	SHIM, WEAR PAD (.07in)	
24	7096882	2	SPACER, WEAR PAD (.62in)	
25	5724622	1	RUBBER BUMPER	
26	3311601	1	HEX NUT, 3/8-16	
27	7096552	1	EXTEND CYLINDER PIN, (base end)	
28	8522012	AR	ANTI-SEIZE LUBE, (apply to items 4, 11, 18 & 27)	
29	8303697	1	HEX HD CAPSCREW, 5/16-18X3/4	
30	8307106	2	FLAT WASHER, 5/16	
31	8305906	2	RETAINER NUT, 5/16-18	
32	8310431	1	INTERNAL TOOTH LOCKWASHER, 5/16	
33	8310497	1	THUMB SCREW, 5/16-18X1.50	
34	7116792	1	REAR BOOM COVER	
35	8303620	10	HEX HD CAPSCREW, 3/8-16X1.00, (Loctite and torque to 31 lb-ft)	
36	8303621	6	HEX HD CAPSCREW, 3/8-16X1.50, (Loctite and torque to 31 lb-ft)	
37	8303041	3	HEX HD CAPSCREW, 3/8-16X.50, (Loctite and torque to 31 lb-ft)	
38	7096772	1	SPACER, SPECIAL WEAR PAD	
39		Ref	BOOM EXTEND/RETRACT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
40	7111572	3	WEAR PAD	
41	0100011	AR	LOCTITE 242, (apply to items 9, 26, 35, 36 & 37)	
42	1001096404	1	SPACER, ANGLE INDICATOR **(SN 0160032331 to Present)**	
43	8520001	2	LUBE FITTING, STRAIGHT	

FIGURE 2-4. SECOND BOOM SECTION

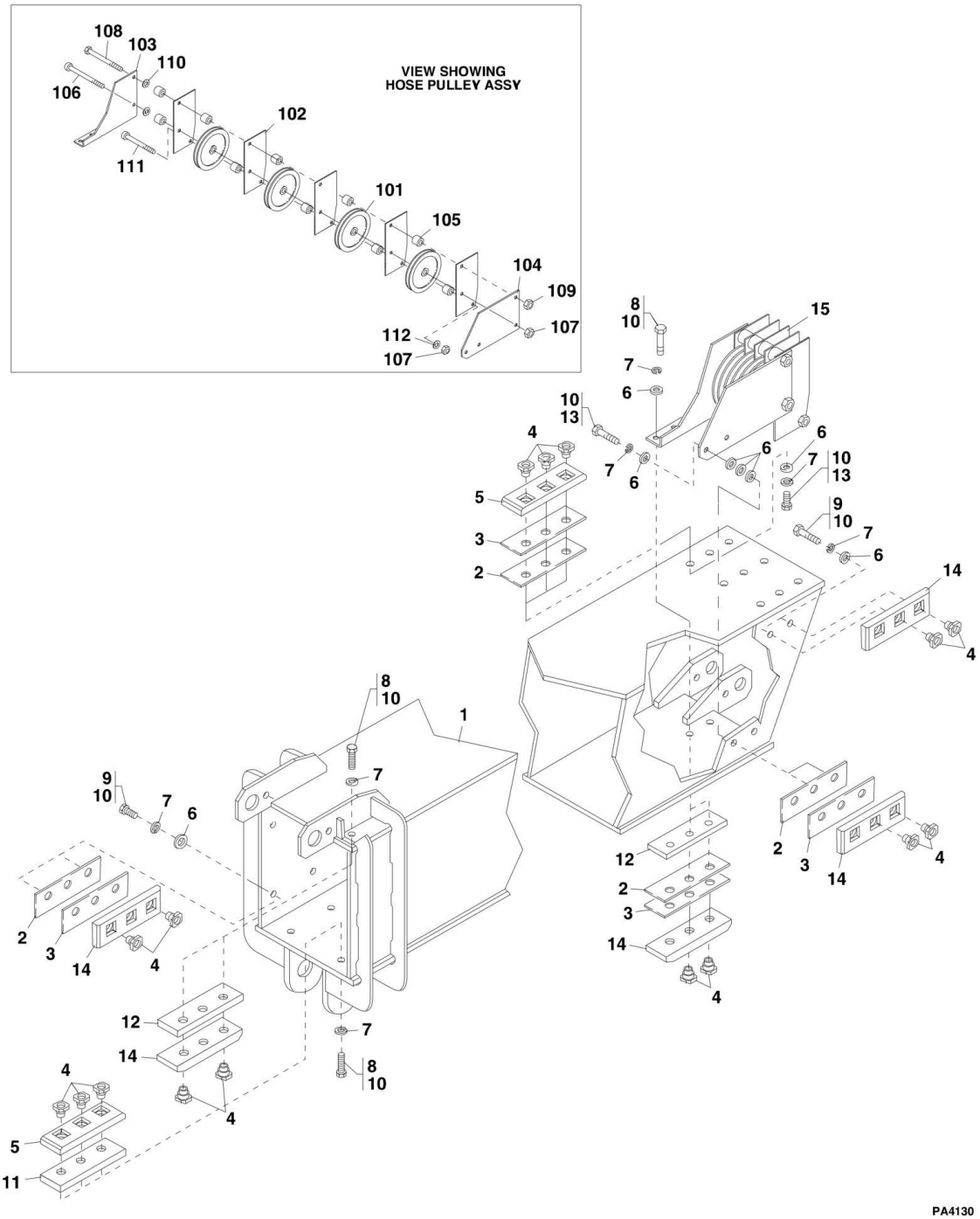


FIGURE 2-4. SECOND BOOM SECTION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001098089	1	SECOND BOOM SECTION, (order pin 1001097735 and attaching hardware on BOOM EXTEND CHAINS)	
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	33	FLAT WASHER, 3/8	
7	8307005	37	LOCKWASHER, 3/8	
8	8303621	12	HEX HD CAPSCREW, 3/8-16X1.50, (Loctite and torque to 31 lb-ft)	
9	8303681	14	HEX HD CAPSCREW, 3/8-16X3/4, (Loctite and torque to 31 lb-ft)	
10	0100011	AR	LOCTITE 242, (apply to items 8, 9 & 13)	
11	7096882	2	SPACER, WEAR PAD, .62	
12	7096702	3	SPACER, WEAR PAD, .50	
13	8303620	11	HEX HD CAPSCREW, 3/8-16X1.00, (Loctite and torque to 31 lb-ft)	
14	7079572	11	WEAR PAD	
15	7116733	1	HOSE PULLEY ASSY, (includes items 101 thru 112)	C
101	7116812	4	ROVER 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 2-5. THIRD BOOM SECTION

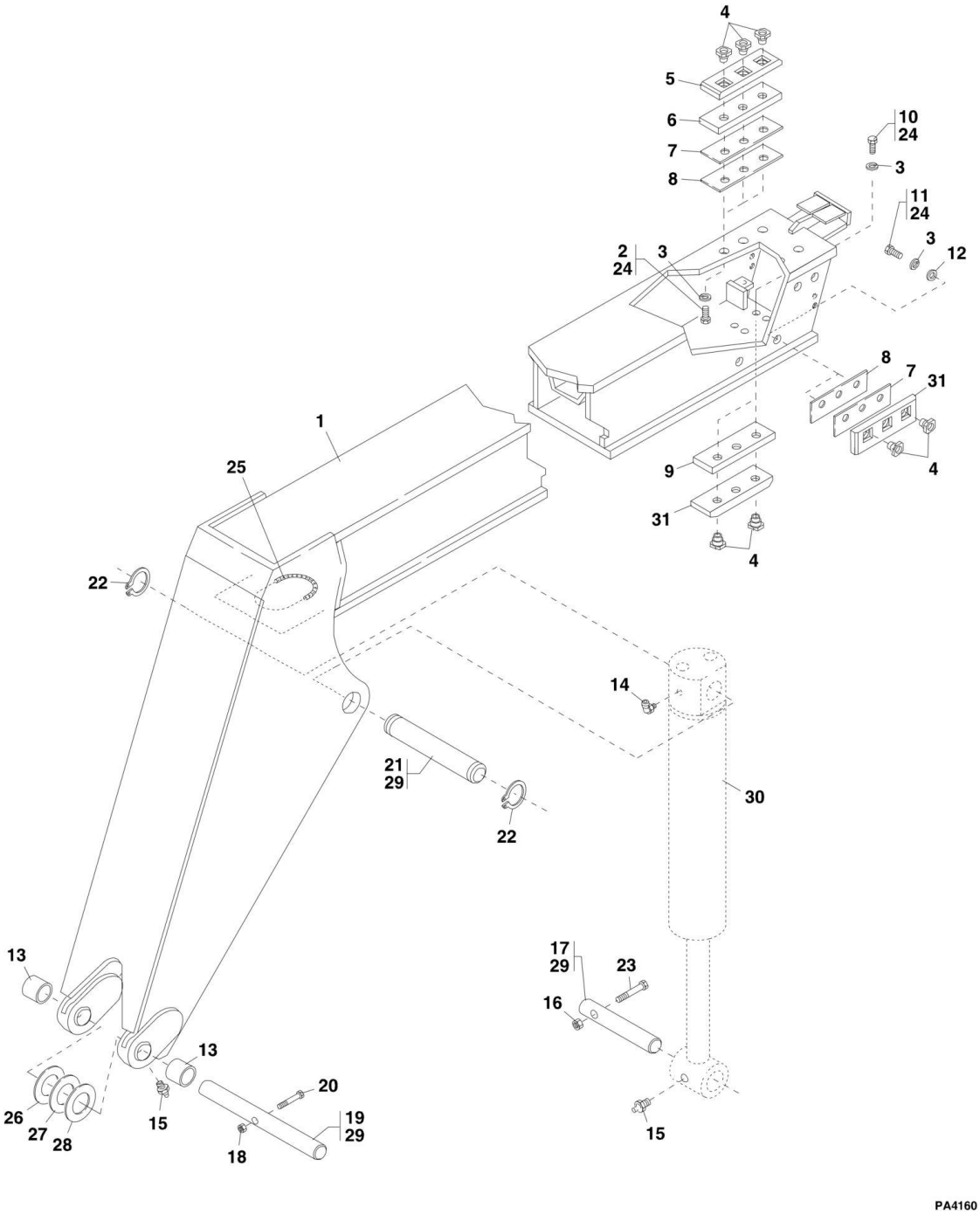


FIGURE 2-5. THIRD BOOM SECTION

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	INSERT, WEAR PAD	
5	7111572	2	WEAR PAD	
6	7096882	2	SPACER, WEAR PAD, .62	
7	7082362	AR	SHIM, WEAR PAD, .13	
8	7082342	AR	SHIM, WEAR PAD, .07	
9	7096702	1	SPACER, WEAR PAD	
10	8303675	2	HEX HD CAPSCREW, 3/8-16X1.25, (Loctite and torque to 31 lb-ft)	
11	8303681	8	HEX HD CAPSCREW, 3/8-16X3/4, (Loctite and torque to 31 lb-ft)	
12	8307204	8	FLAT WASHER, 3/8	
13	7095312	2	QUICK ATTACH PIVOT BUSHING	
14	8520021	1	LUBE FITTING, 45, 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, 2IN DIA	
23	8303772	1	HEX HD CAPSCREW, 1/2-13X5	
24	0100011	AR	LOCTITE 242, (apply to items 2, 10 & 11)	
25	7125811	1	PLASTIC CONDUIT, 3/4X8.00	
26	8307918	2	WASHER, SHIM 2.00X3.50X0.134	
27	8310093	AR	WASHER, SHIM 2.00X3.50X0.75	
28	8307904	AR	WASHER, SHIM 2.00X3.50X0.048	
29	8522012	AR	ANTI-SEIZE LUBE, (apply to items 17, 19 & 21)	
30		Ref	ATTACHMENT TILT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
31	7079572	5	WEAR PAD	

FIGURE 2-6. QUICK ATTACH

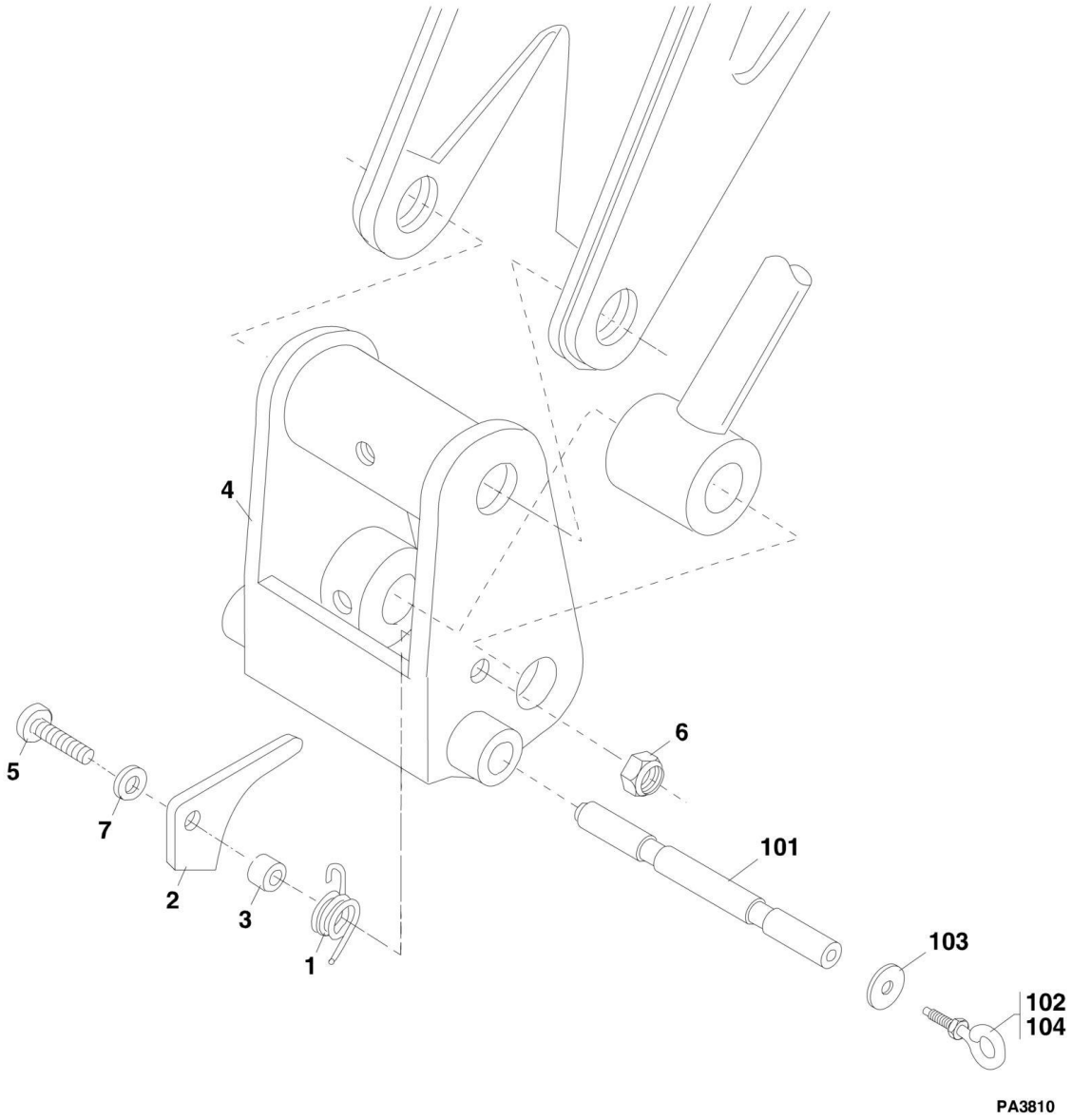


FIGURE 2-6. QUICK ATTACH

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, .51X1.88X.125	
104	0100011	AR	LOCTITE 242, (apply to item 102)	

FIGURE 2-7. BOOM EXTEND CHAINS

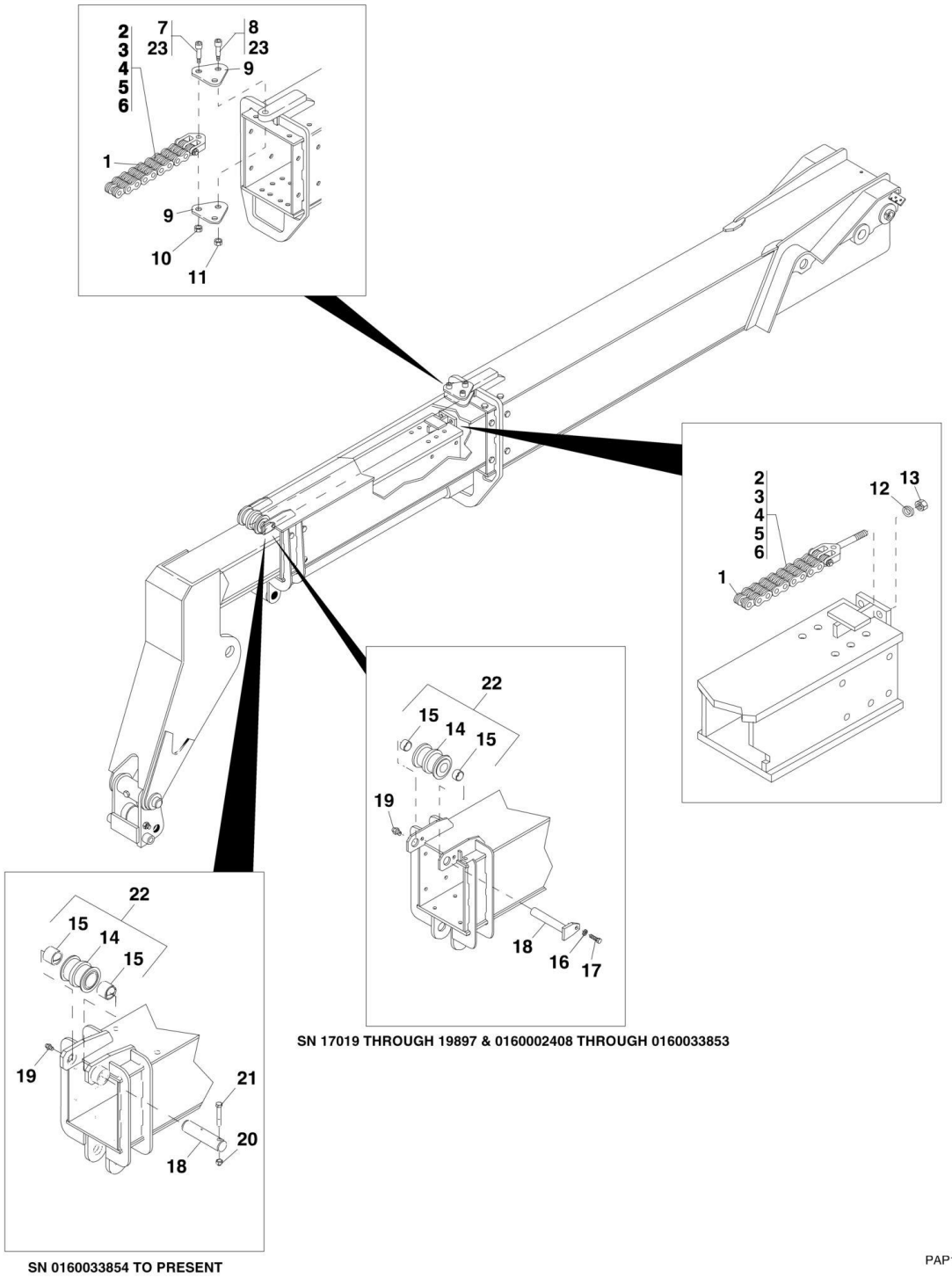


FIGURE 2-7. BOOM EXTEND CHAINS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139690	2	EXTEND CHAIN AND CLEVIS ASSY, (includes items 1 thru 6)	B
1	8127022	2	EXTEND CHAIN, 195.25 LG	
2	7139416	2	FEMALE ANCHOR CLEVIS	
3	7139032	2	FEMALE ANCHOR CLEVIS	
4	8124138	4	CHAIN CLEVIS PIN	
5	8642237	8	RETAINING RING	
6	8522012	2	ANTI-SEIZE LUBE, (apply to item 4)	
7	8310019	2	SHOULDER BOLT, 1/2X1-1/2X3/8-16	
8	8310020	1	SHOULDER BOLT, 5/8X1-1/2X1/2-13	
9	7139180	2	EXTEND CHAIN YOKE	
10	8305645	2	HEX LOCKNUT, 3/8-16	
11	8305644	1	HEX LOCKNUT, 1/2-13	
12	8307104	2	FLAT WASHER, 3/4	
13	8305646	2	HEX LOCKNUT, 3/4-16	
14	7114112	1	EXTEND CHANGE SHEAVE	
15	7126662	2	CHAIN SHEAVE BUSHING	
16	8307007	1	LOCKWASHER, 1/2 **(SN 17019 through 19897, SN 0160002408 through 0160033853)**	
17	8303624	1	HEX HD CAPSCREW, 1/2-13X1 **(SN 17019 through 19897, SN 0160002408 through 0160033853)**	
18	7117572	1	EXTEND CHAIN SHEAVE PIN **(SN 17019 through 19897, SN 0160002408 through 0160033853)**	
18	1001097735	1	EXTEND CHAIN SHEAVE PIN **(SN 0160033854 to Present)**	
19	8520001	1	STRAIGHT LUBE FITTING, 1/8	
20	8305643	1	HEX LOCKNUT, 5/8-11 **(SN 0160033854 to Present)**	
21	8303634	1	HEX HD CAPSCREW, 5/8-11X4 **(SN 0160033854 to Present)**	
22	1001101845	1	SHEAVE INSTALLATION, (includes items 14 & 15) **(SN 0160034635 to Present)**	
23	8526406	AR	VARNISH SEALANT, (apply to items 7 & 8)	

FIGURE 2-8. BOOM RETRACT CHAIN

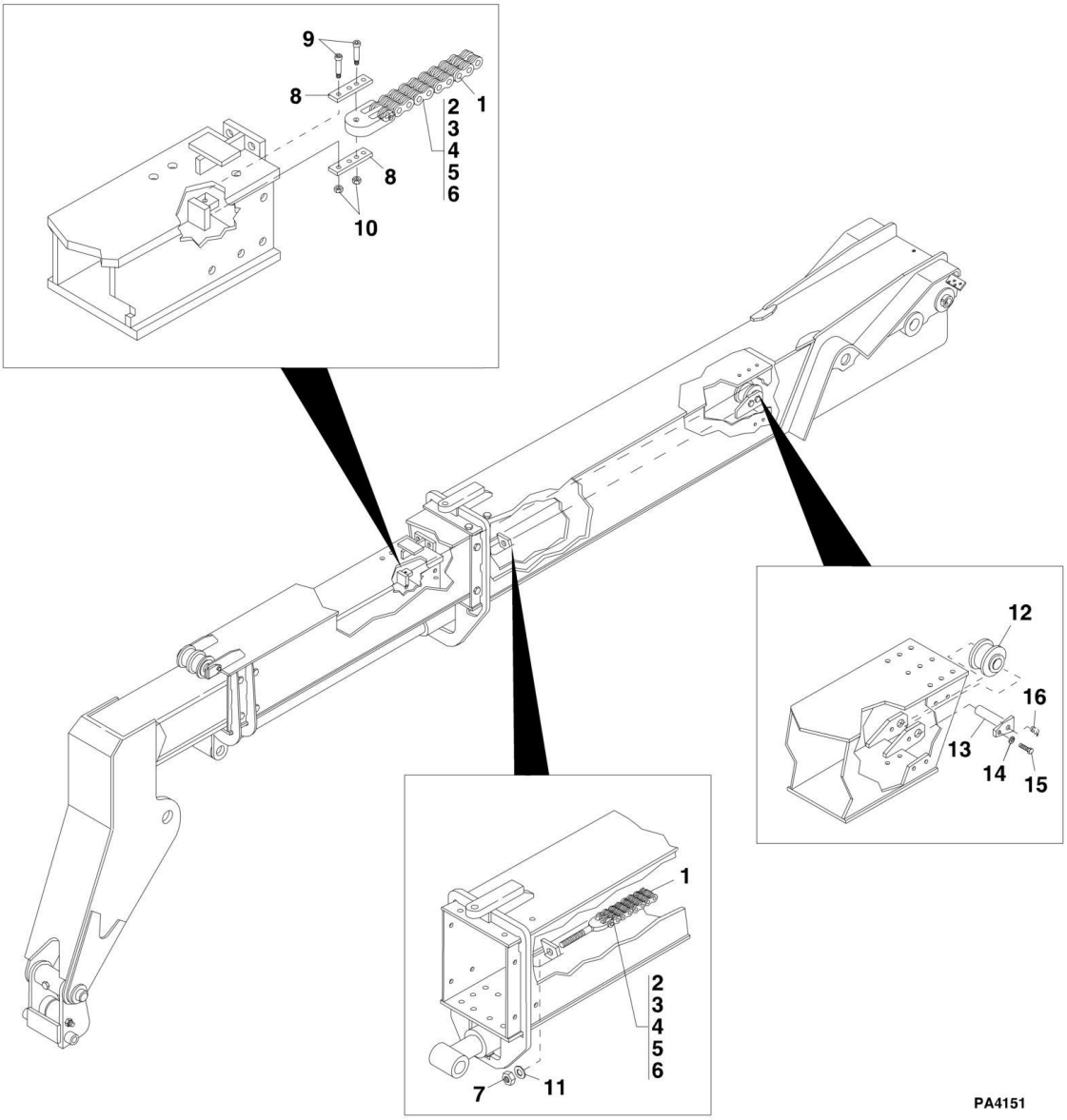


FIGURE 2-8. BOOM RETRACT CHAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139692	1	RETRACT CHAIN AND CLEVIS ASSY, (includes items 1 thru 6)	B
1	7139032	1	FEMALE ANCHOR CLEVIS	
2	7139416	1	FEMALE ANCHOR CLEVIS	
3	8124138	2	CHAIN CLEVIS PIN	
4	8127024	1	RETRACT CHAIN, 164.25	
5	8522012	AR	ANTI-SEIZE LUBE, (apply to item 3)	
6	8642237	4	RETAINING RING	
7	8305646	1	HEX LOCKNUT, 3/4-16	
8	7117031	2	CHAIN ANCHOR LINK	
9	8310019	2	SHOULDER BOLT, 1/2X1-1/2X3/8-16	
10	8305645	2	LOCKNUT, 3/8-16	
11	8307104	1	FLAT WASHER, 3/4	
12	7138986	1	RETRACT CHAIN SHEAVE, (includes bushings)	
13	7138977	1	RETRACT CHAIN SHEAVE PIN	
14	8307007	1	LOCKWASHER, 1/2	
15	8303624	1	HEX HD CAPSCREW, 1/2-13X1	
16	8520003	1	LUBE FITTING, 90, 1/8	

SECTION 3 - ATTACHMENTS

FIGURE 3-1. UTILITY BUCKET

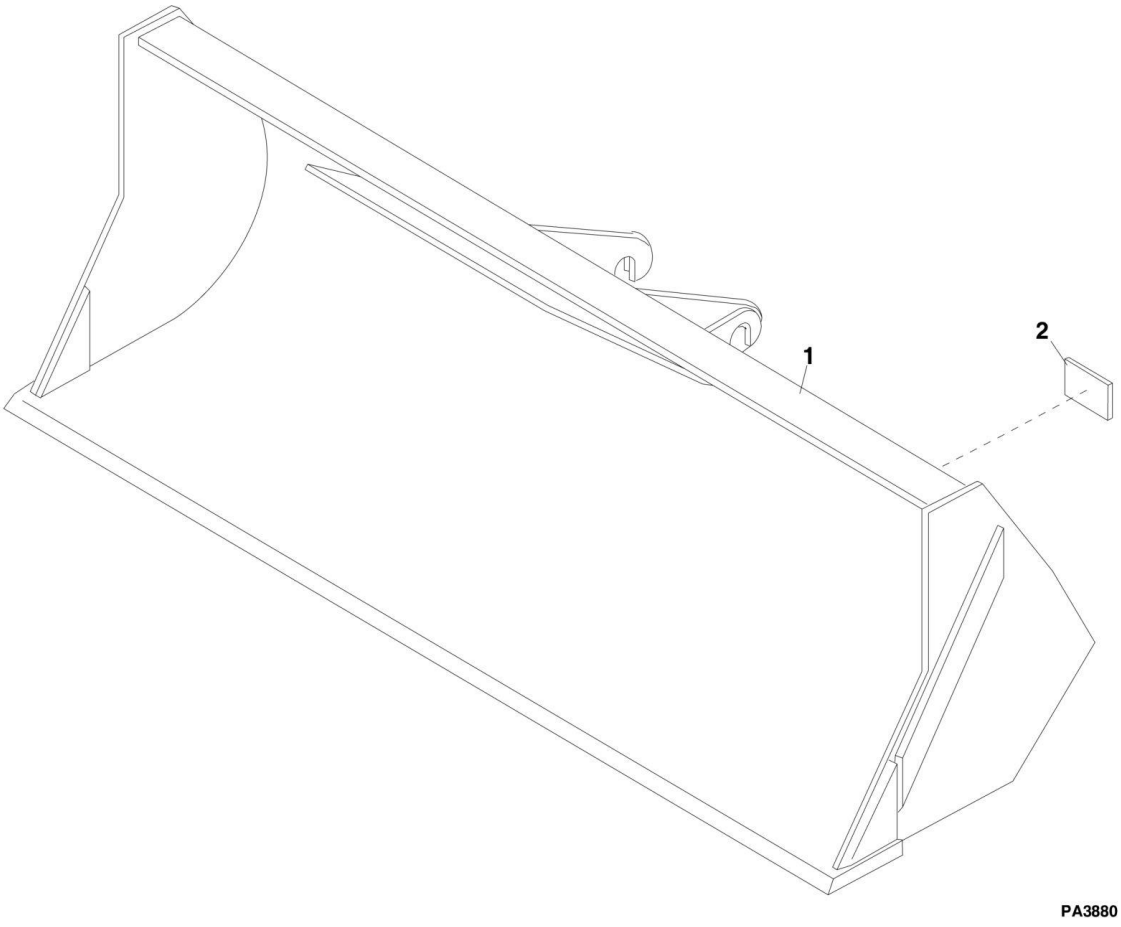


FIGURE 3-1. UTILITY BUCKET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7110744	1	UTILITY BUCKET, 1-1/4 YD^3, (includes item 2) **(Prior to SN 0160037788)**	E
1	1001100822	1	72IN BUCKET, 1.0 YD^3, (includes item 2) **(SN 0160037788 to Present)**	B
1	1001100823	1	96IN BUCKET, 1.5 YD^3, (includes item 2) **(SN 0160037788 to Present)**	B
1	1001100824	1	102IN BUCKET, 2.0 YD^3, (includes item 2) **(SN 0160037788 to Present)**	B
2	N.S.S.	1	SN PLATE	

FIGURE 3-2. TILT CARRIAGE (SN 17019 through 19897, SN 0160002408 through 0160034148)

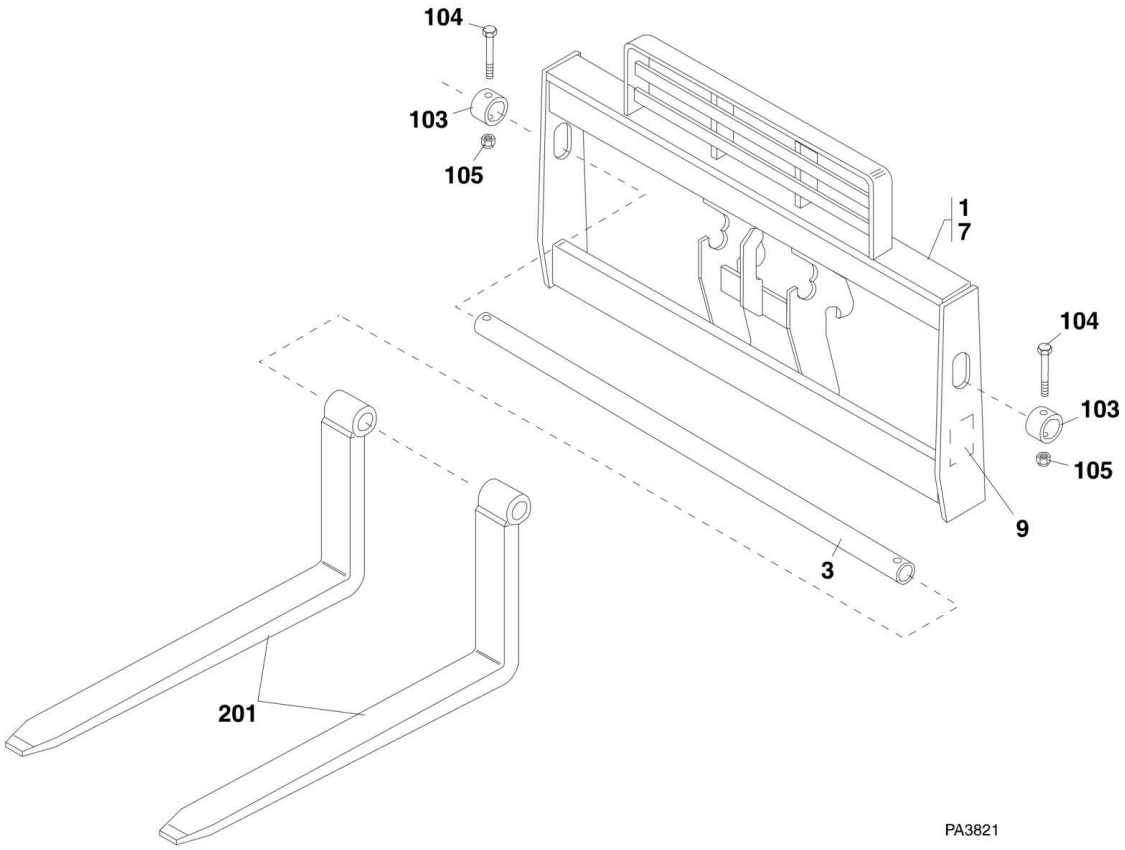
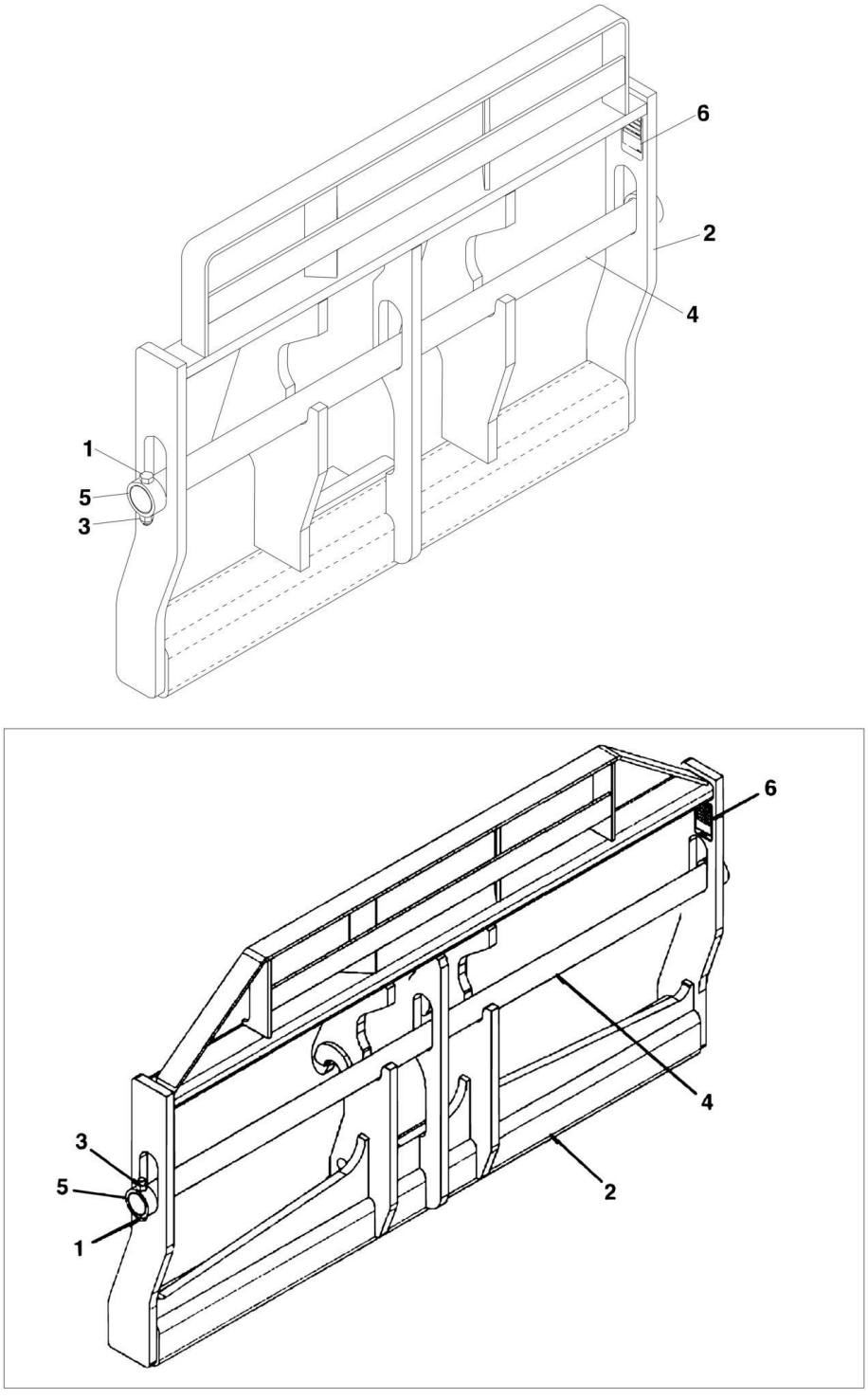


FIGURE 3-2. TILT CARRIAGE (SN 17019 through 19897, SN 0160002408 through 0160034148)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	6040500	1	48IN CARRIAGE, (includes items 1 thru 9)	6
	6040600	1	60IN CARRIAGE, (includes items 1 thru 9)	4
	6040700	1	72IN CARRIAGE, (includes items 1 thru 9)	5
1	N.S.S.	1	CARRIAGE	
3	7128772	1	FORK PIVOT SHAFT, (48in carriage)	
3	90451058	1	FORK PIVOT SHAFT, (50in carriage)	
3	7128792	1	FORK PIVOT SHAFT, (60in carriage)	
3	90551013	1	FORK PIVOT SHAFT, (72in carriage)	
7	7118993	NLA	STANDARD CARRIAGE ASSY, (no longer available, see items 103 thru 105 for service)	G
9	N.S.S.	1	SN 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 (SN 0160034161 to Present)



SN 0160043196 TO PRESENT INCLUDING 0160042736, 0160042742, 0160042747, 0160042755

PAP9350

FIGURE 3-3. TILT CARRIAGE (SN 0160034161 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170021	1	50IN TILT CARRIAGE, (includes items 1 thru 6)	D
	1170024	1	60IN TILT CARRIAGE, (includes items 1 thru 6)	D
	1170027	1	72IN TILT CARRIAGE , (includes items 1 thru 6) **(Prior to SN 0160043196, Excluding 0160042736, 0160042742, 0160042747 and 0160042755)**	E
	1001132514	1	72IN TILT CARRIAGE , (includes items 1 thru 6) **(SN 0160043196 to Present, Including 0160042736, 0160042742, 0160042747 and 0160042755)**	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	50IN FORK PIN	
4	3423242	1	60IN FORK PIN	
4	3423276	1	72IN FORK PIN	
5	90200003	2	COLLAR	
6	N.S.S.	1	SN PLATE	

FIGURE 3-4. SIDE TILT CARRIAGE (Prior to SN 0160037788)

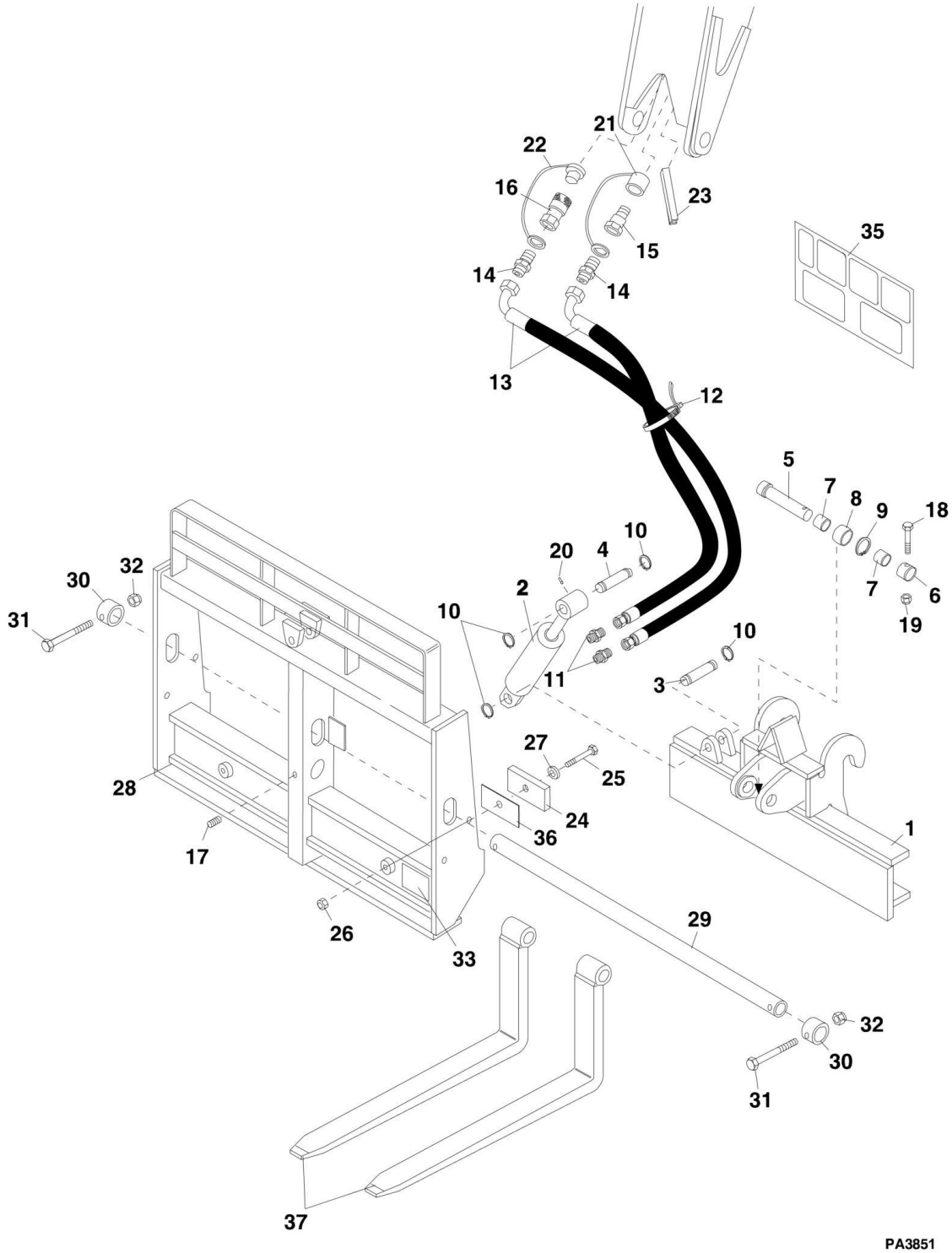


FIGURE 3-4. SIDE TILT CARRIAGE (Prior to SN 0160037788)

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	88671001	1	GREASE FITTING	
18	8303770	1	HEX HD CAPSCREW, 3/8-16X2-3/4	
19	8305645	1	HEX LOCKNUT, 3/8-16 ESNA	
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	48IN SIDE TILT CARRIAGE	
28	7300983	1	50IN SIDE TILT CARRIAGE	
28	7117254	1	60IN SIDE TILT CARRIAGE	
28	7117264	1	72IN SIDE TILT CARRIAGE	
29	7128772	1	FORK PIVOT SHAFT, (48in carriage)	
29	90451058	1	FORK PIVOT SHAFT, (50in carriage)	
29	7128792	1	FORK PIVOT SHAFT, (60in carriage)	
29	90551013	1	FORK PIVOT SHAFT, (72in 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	SN PLATE	
35	4108232	1	CAPACITY CHART DECAL	
36	7070191	AR	SHIM	
37		Ref	FORKS, (See FORKS for Breakdown)	

FIGURE 3-5. SIDE TILT CARRIAGE (SN 0160037788 to Present)

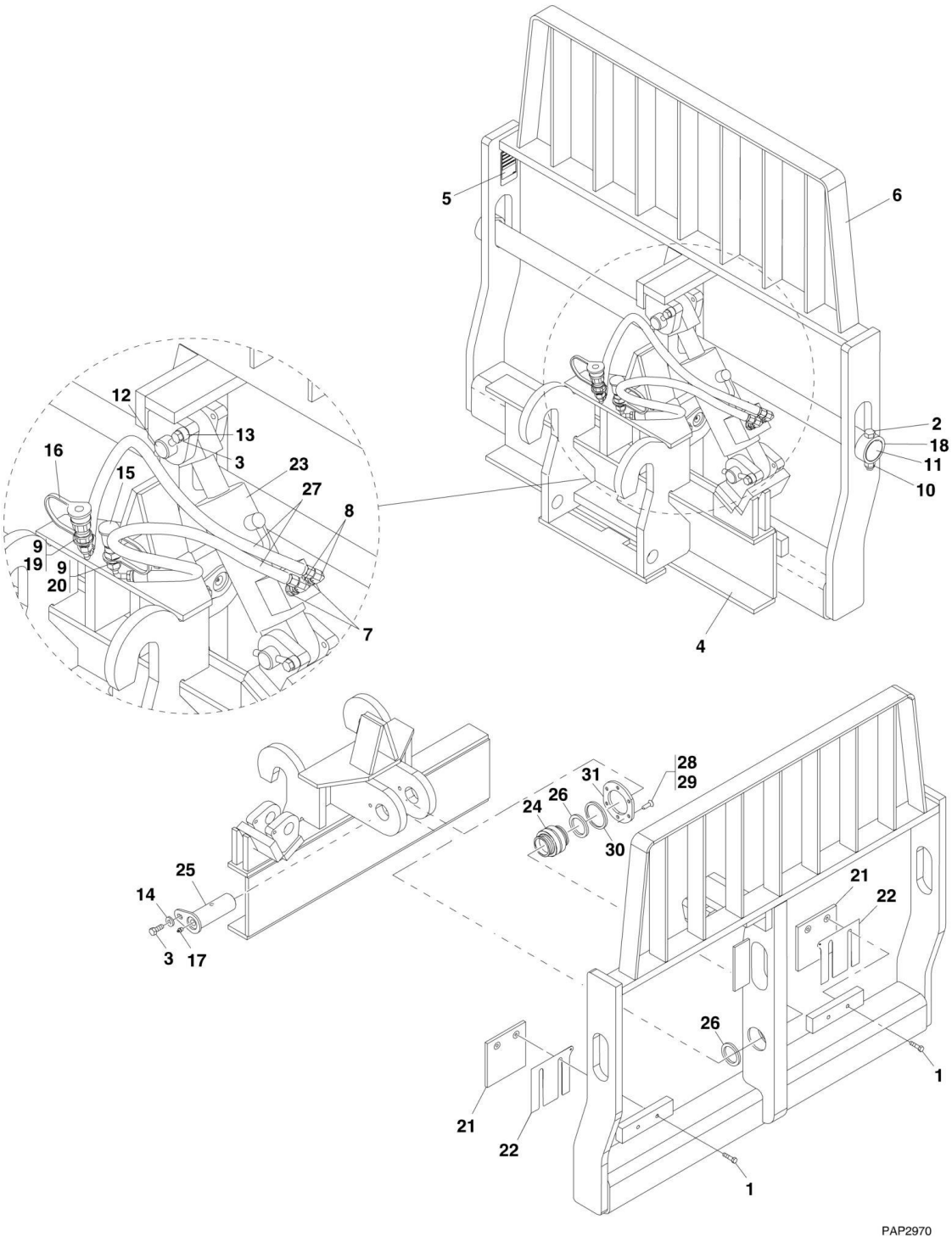


FIGURE 3-5. SIDE TILT CARRIAGE (SN 0160037788 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170054	1	50IN SIDE TILT CARRIAGE, (includes all items)	I
	1001101956	1	60IN SIDE TILT CARRIAGE, (includes all items)	J
	1170057	1	72IN 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	SN PLATE	
6	N.S.S.	1	SIDE TILT CARRIAGE	
7	2110606	2	CONNECTOR	
8	2172106	2	CONNECTOR, 90	
9	2110808	2	CONNECTOR	
10	3300240	2	LOCK NUT, 5/8-11	
11	3423275	1	50IN FORK PIN	
11	3423242	1	60IN FORK PIN	
11	3423276	1	72IN 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 (Prior to SN 0160037788)

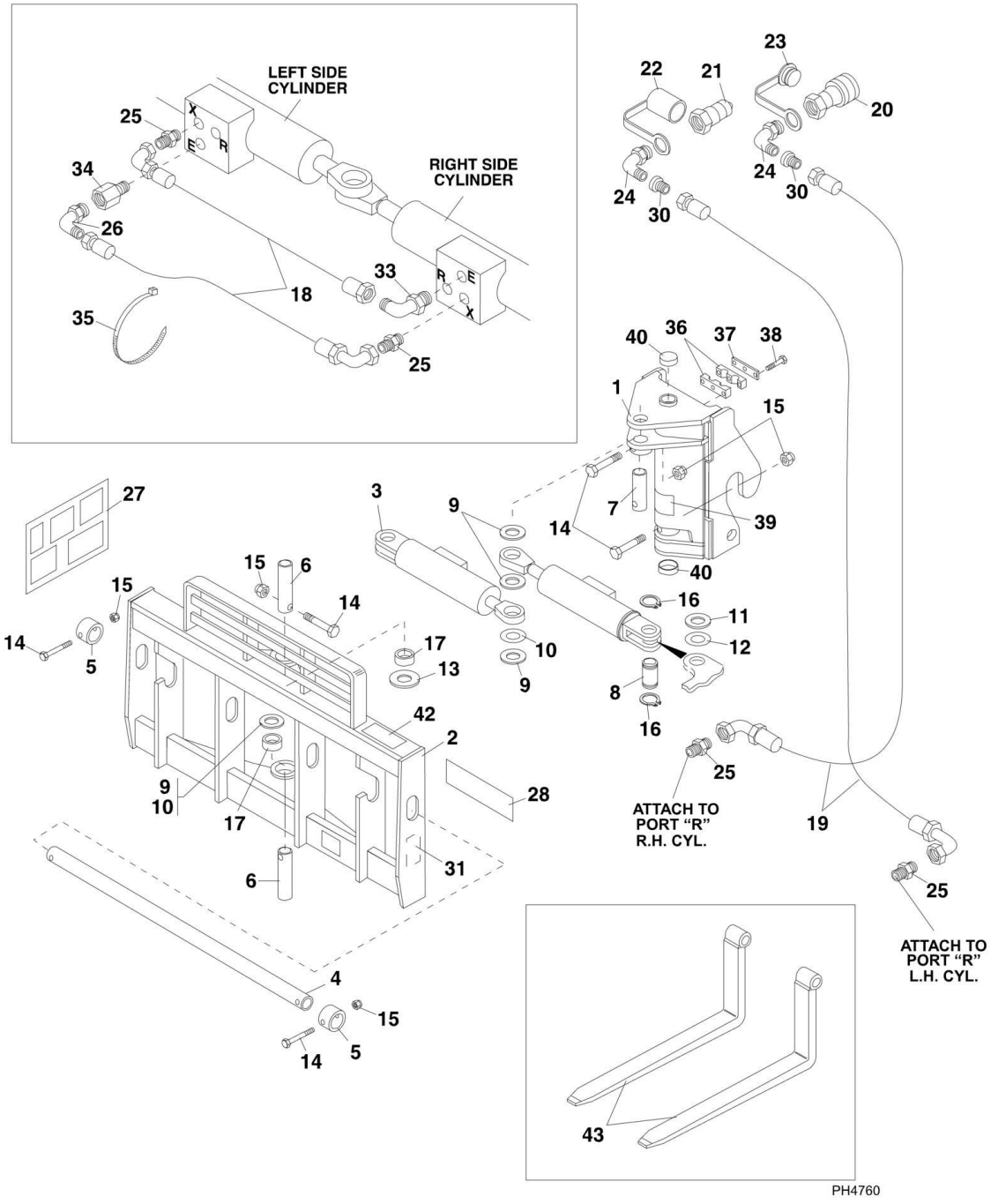


FIGURE 3-6. SWING CARRIAGE (Prior to SN 0160037788)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7125800	1	72IN SWING CARRIAGE ASSY, (includes items 1 thru 42)	
1	7110494	1	PIVOT BASE	
2	7110694	1	72IN CARRIAGE	
3		Ref	SWING CARRIAGE CYLINDER, (See OPTIONS SECTION for Breakdown)	
4	90551013	1	FORK PIVOT SHAFT	
5	90200003	2	COLLAR	
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 I.D.X10GA	
10	8307904	AR	SHIM, 2 I.D.X18GA	
11	8310161	AR	SHIM, 1-1/2 I.D.X10GA	
12	8310160	AR	SHIM, 1-1/2 I.D.X18GA	
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	
20	8640029	1	SEAL NOSE, (not shown)	
20	8640028	1	COUPLER BODY SEAL, (not shown)	
20	8640032	1	COUPLER BODY SEAL BACK-UP RING, (not shown)	
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	SN PLATE	
33	2220775	1	ELBOW, 90	
34	8770016	1	REDUCER	
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 (SN 0160037788 to Present)

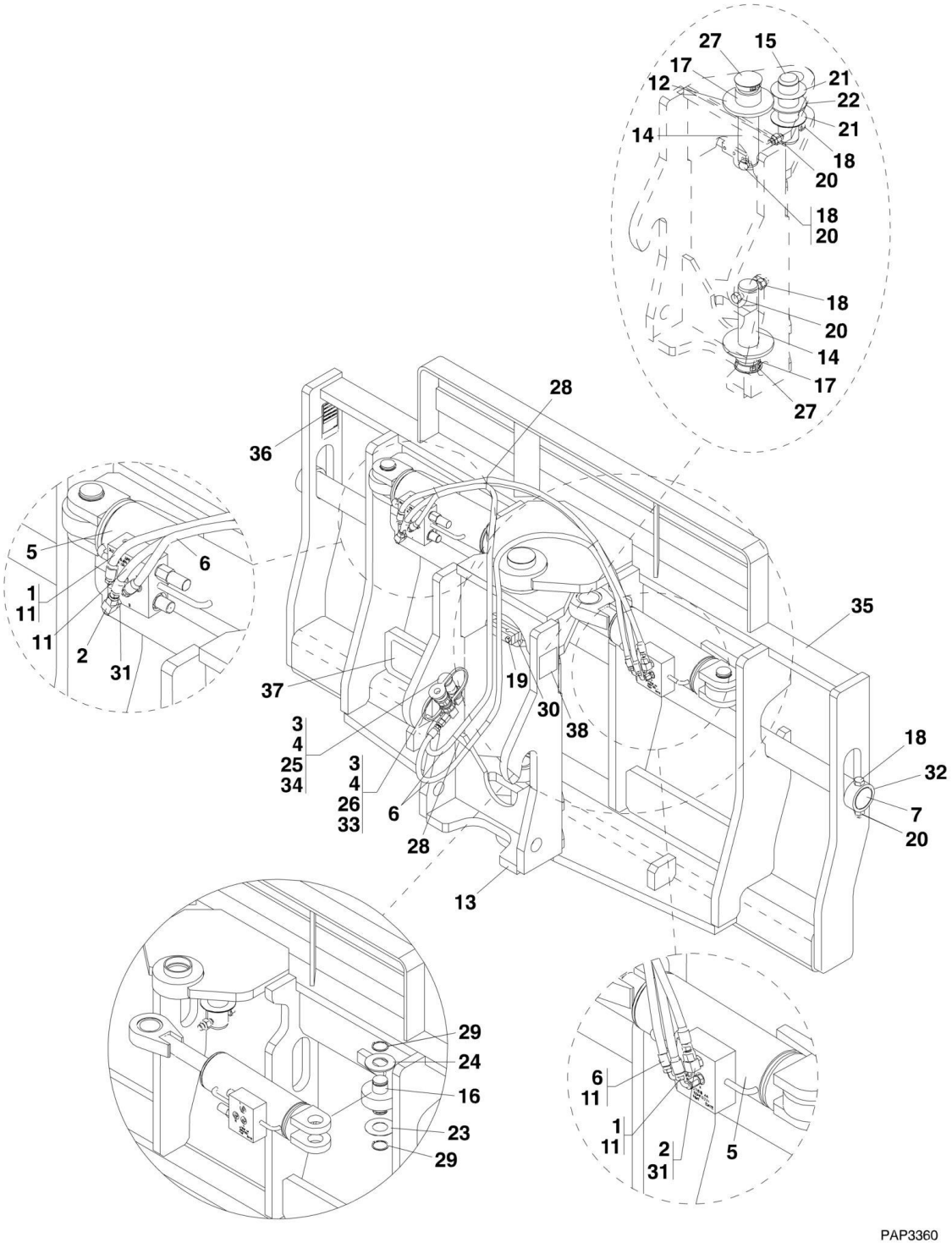


FIGURE 3-7. SWING CARRIAGE (SN 0160037788 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001095418	1	90, SWING CARRIAGE, 72IN, (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	TIE WRAP	
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	SN PLATE	
37	1706850	1	WARNING CRUSH HAZARD DECAL, (ANSI)	
37	1001092877	1	WARNING CRUSH HAZARD DECAL, (ISO)	
38	1001111190	1	WARNING DECAL	

FIGURE 3-8. SHEET MATERIAL HANDLER (Prior to SN 0160037788)

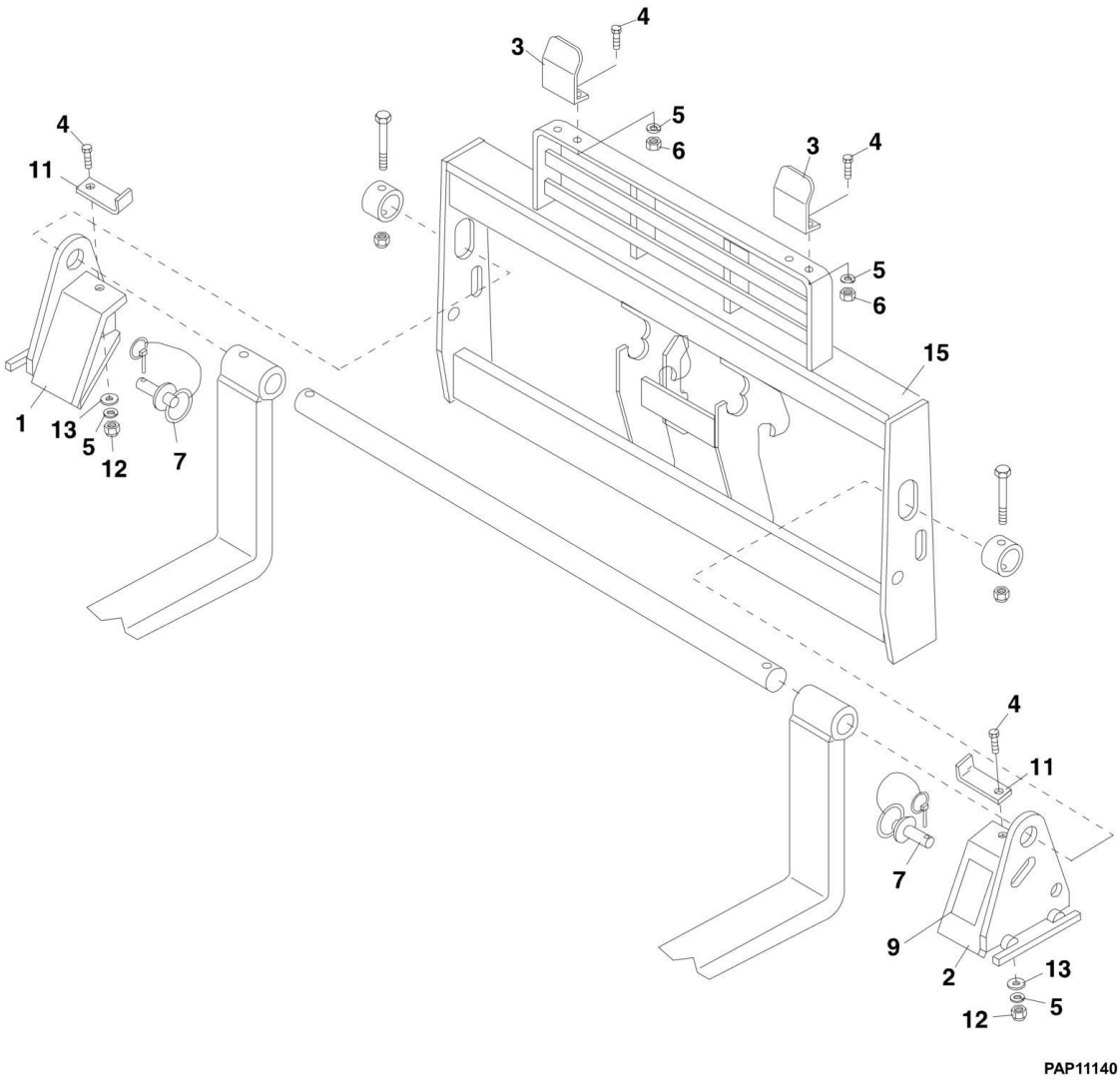


FIGURE 3-8. SHEET MATERIAL HANDLER (Prior to SN 0160037788)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7129300	1	SHEET MATERIAL HANDLER WITH 72IN SWING CARRIAGE ASSY, (includes items 1 thru 13)	
	7112704	1	SHEET MATERIAL HANDLER WITH 72IN 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.	2	CAPACITY/ SN PLATE	
11	7114941	2	LOCK BAR	
12	8305644	2	HEX LOCKNUT, 1/2-13	
13	8307112	2	FLAT WASHER, 1/2	
15		Ref	72IN SWING CARRIAGE, (See SWING CARRIAGE for Breakdown)	

FIGURE 3-9. SHEET MATERIAL HANDLER (SN 0160037788 to Present)

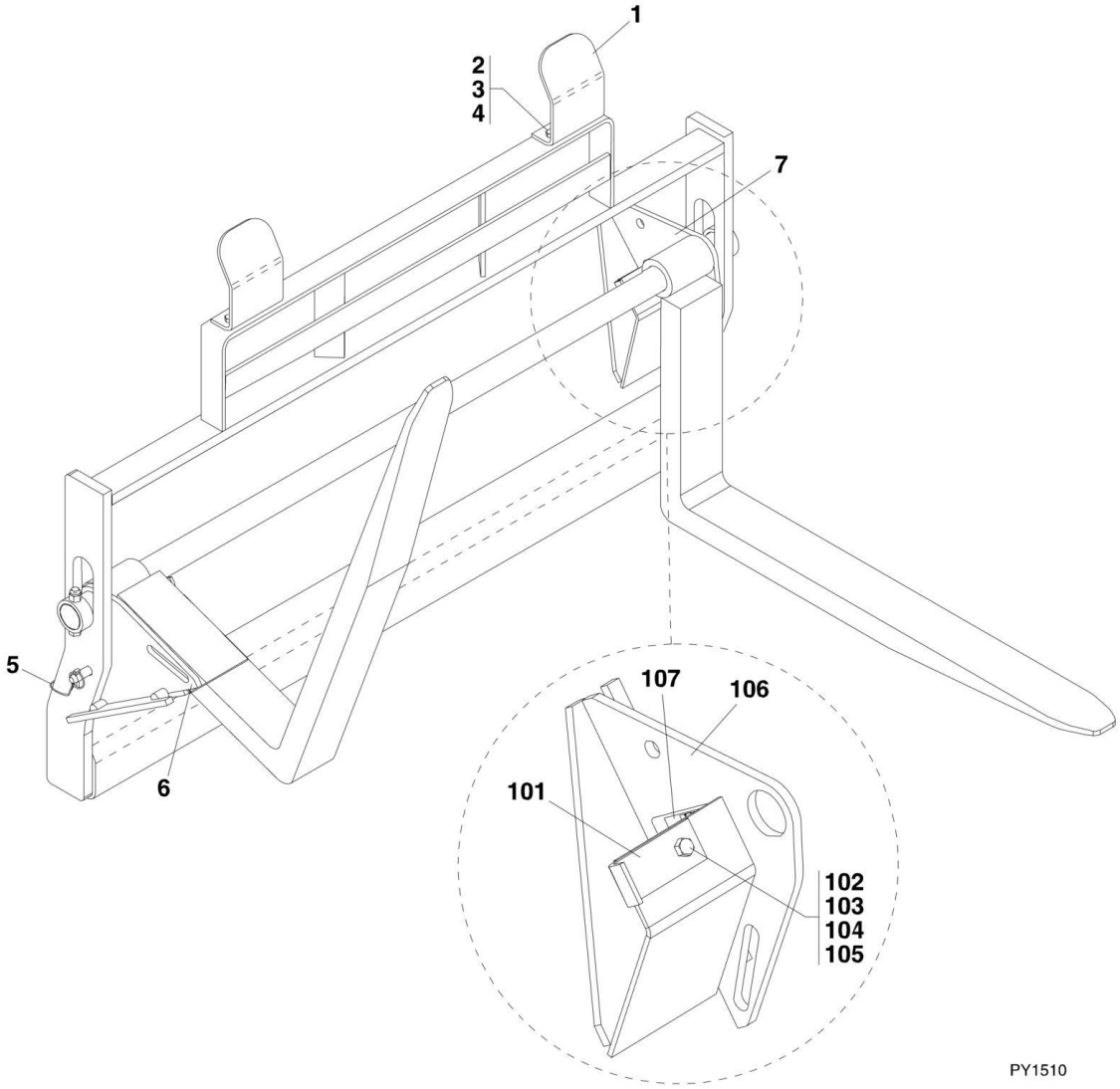


FIGURE 3-9. SHEET MATERIAL HANDLER (SN 0160037788 to Present)

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, R.H., (includes items 101 thru 107)	A
7	1001101116	1	FORK SUPPORT ASSY, L.H., (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, R.H.	
106	1001100229	1	FORK SUPPORT, L.H.	
107	N.S.S.	1	SN PLATE	

FIGURE 3-10. 3FT TRUSS BOOM WITH WINCH

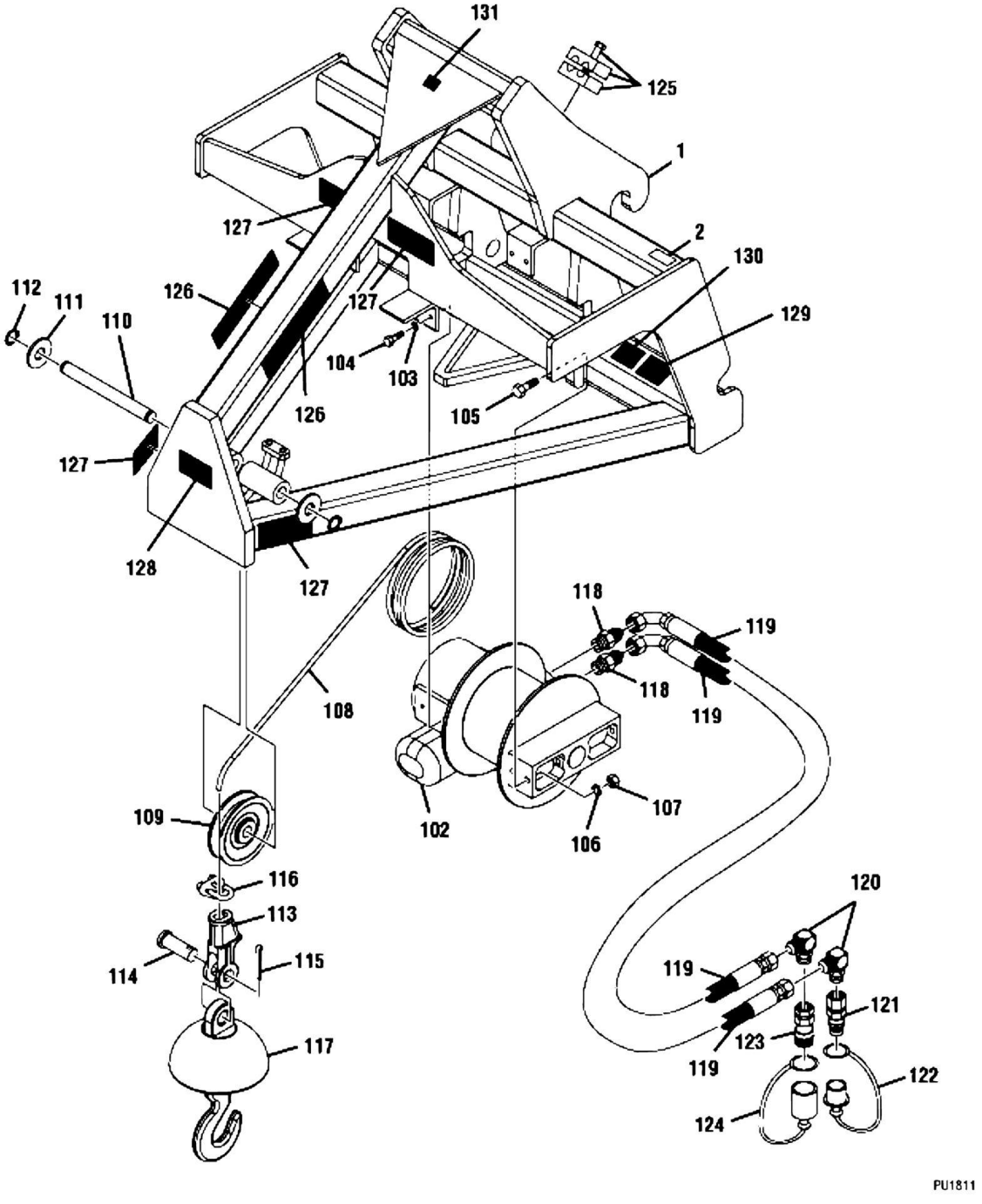


FIGURE 3-10. 3FT TRUSS BOOM WITH WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139608	1	3FT TRUSS BOOM WITH WINCH, (includes all items) **(SN 17019 through 19897, SN 0160002408 through 0160034042)**	G
	1001100967	1	3FT TRUSS BOOM WITH WINCH, (includes items 1 & 2) **(SN 0160034043 to Present)**	A
1	8380008	1	3FT TRUSS BOOM WITH WINCH, (includes items 102 thru 131)	
2	N.S.S.	1	CAPACITY/SN 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	SN PLATE	
130	90554018	1	WARNING HIGH PRESSURE DECAL	
131	90554016	1	MADE IN USA DECAL	

FIGURE 3-11. 12FT TRUSS BOOM WITH WINCH

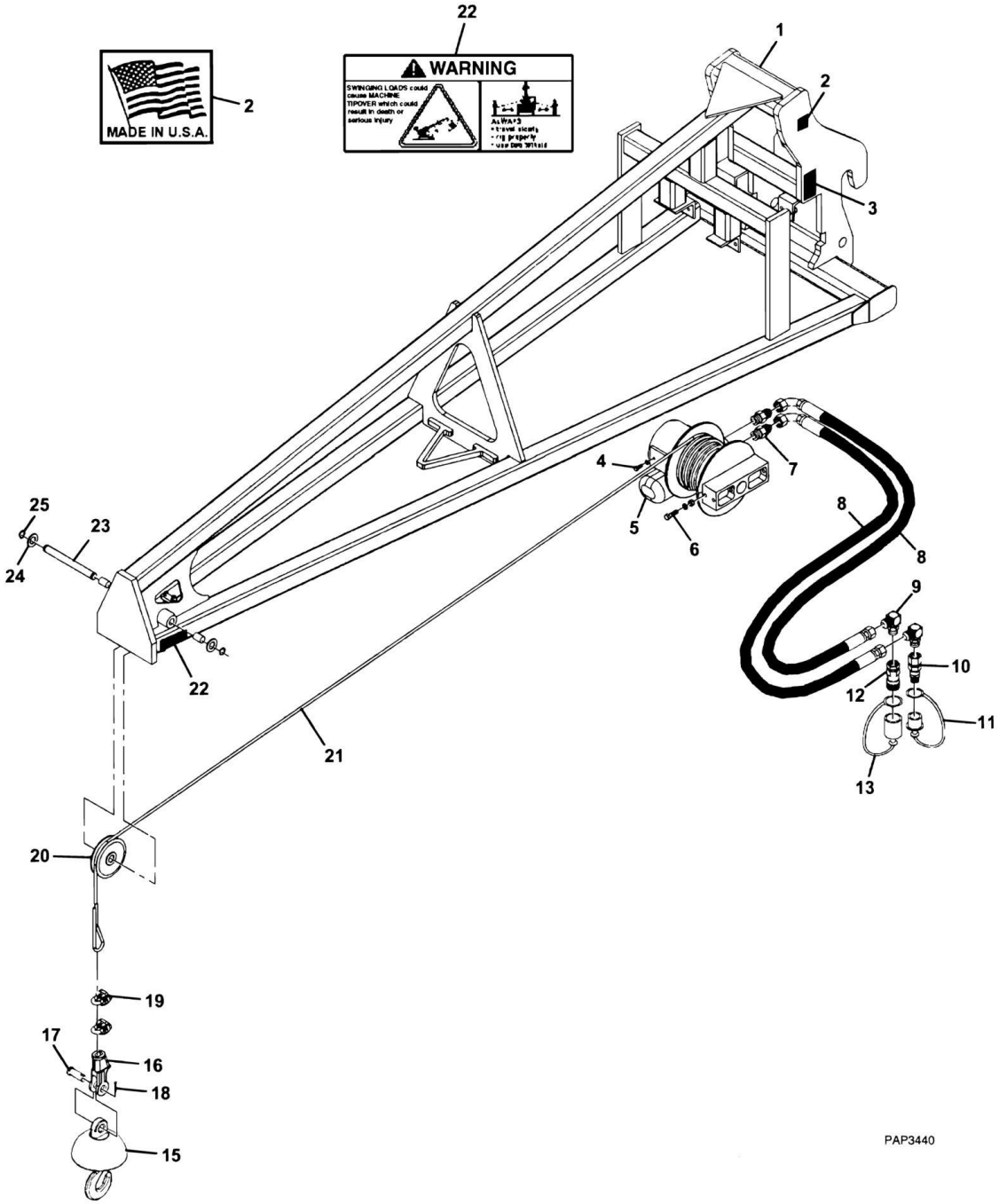
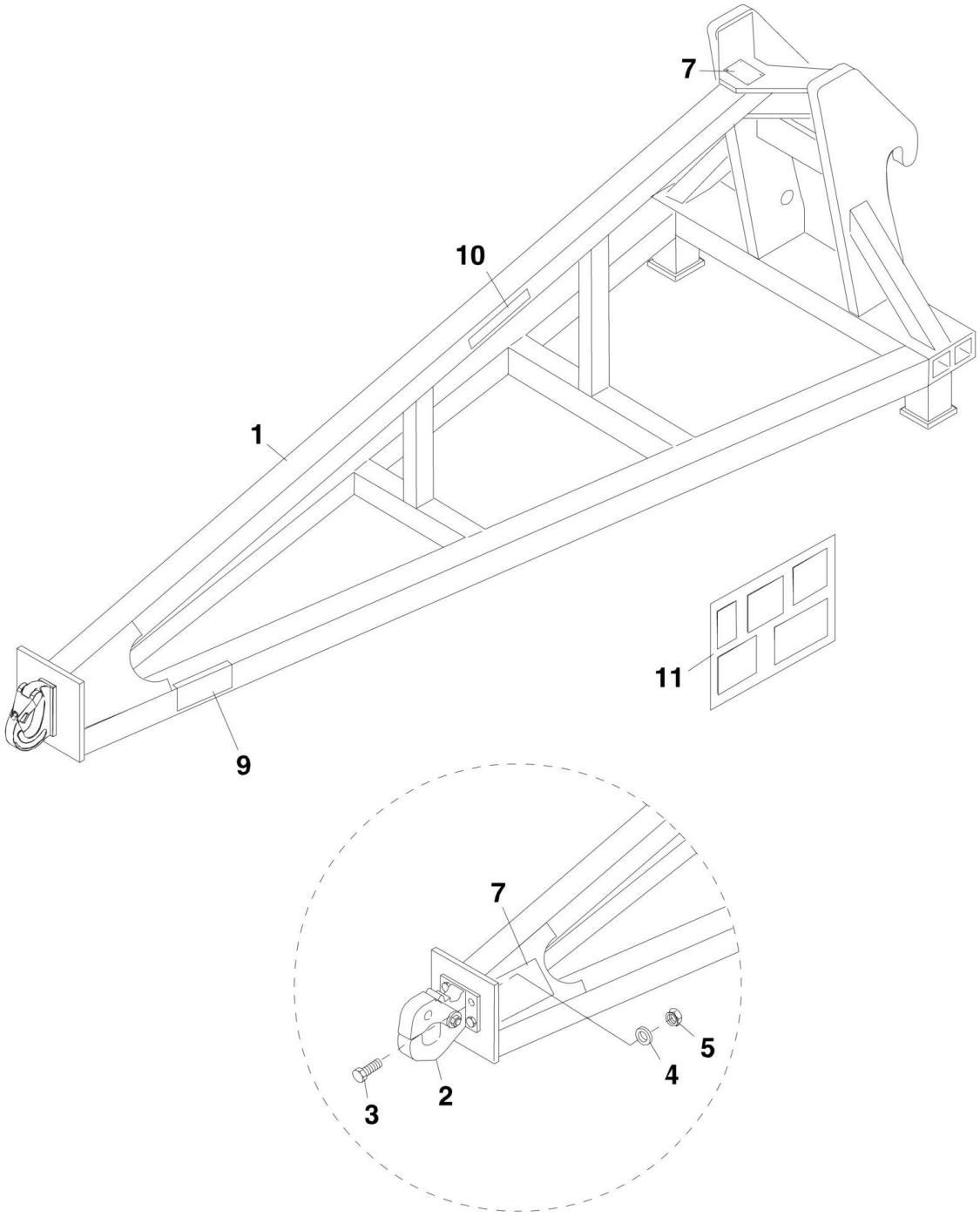


FIGURE 3-11. 12FT TRUSS BOOM WITH WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099351	1	12FT TRUSS BOOM WITH WINCH, (includes all items)	F
1	N.S.S.	1	TRUSS BOOM FRAME	
2	90554016	1	MADE IN USA DECAL	
3	N.S.S.	1	SN 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.	2	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	
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.	2	FLAT WASHER, 1	
25	N.S.S.	2	SNAP RING	

FIGURE 3-12. TRUSS BOOM (Prior to SN 0160037788)



SN 17019 THROUGH 19897 & 0160002408 THROUGH 0160032261

PH4451

FIGURE 3-12. TRUSS BOOM (Prior to SN 0160037788)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7113024	1	12FT TRUSS BOOM ASSY, (includes all items) **(Prior to SN 0160037903)**	E
	1001099359	1	12FT TRUSS BOOM ASSY, (includes all items) **(SN 0160037903 to Present)**	C
1	7113034	1	TRUSS BOOM WELDMENT	
2	8382017	1	PINTLE HOOK **(SN 17019 through 19897, SN 0160002408 through 0160032261)**	
3	8310195	4	HEX HD CAPSCREW, 1/2-13X1.75 **(SN 17019 through 19897, SN 0160002408 through 0160032261)**	
4	8307112	4	PLAIN WASHER, 1/2 **(SN 17019 through 19897, SN 0160002408 through 0160032261)**	
5	8305644	4	HEX LOCKNUT, 1/2-13 **(SN 17019 through 19897, SN 0160002408 through 0160032261)**	
7	N.S.S.	1	SN PLATE	
9	4110422	2	SWING LOAD DECAL	
10	4107832	2	LENGTH/CAPACITY DECAL	
11	4107812	2	CAPACITY CHART	

FIGURE 3-13. TRUSS BOOM (SN 0160037788 to Present)

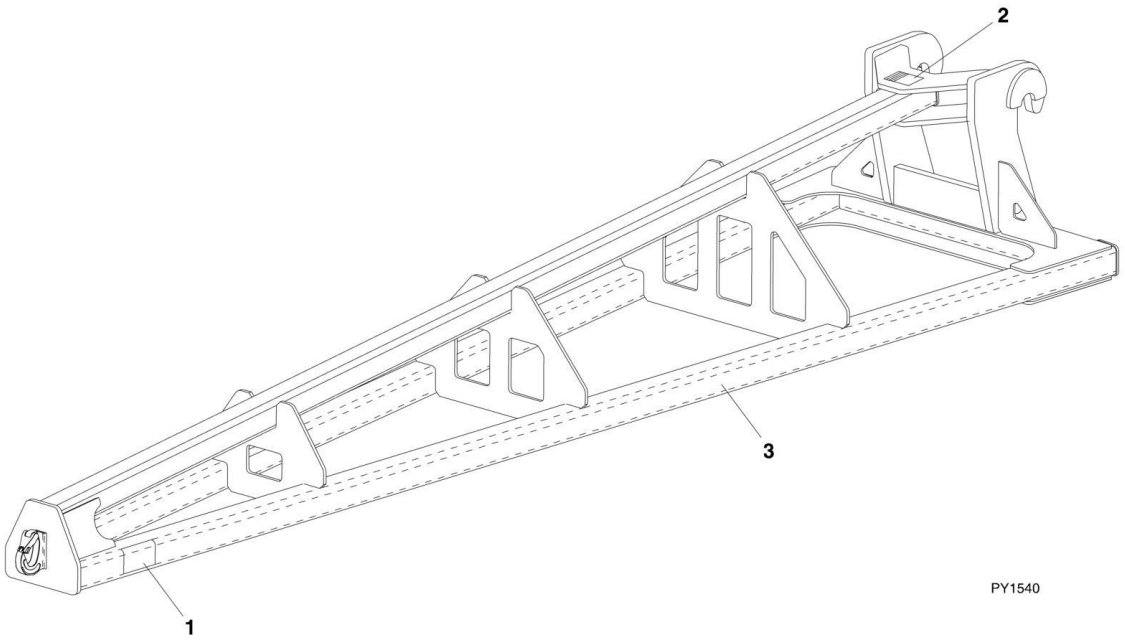


FIGURE 3-13. TRUSS BOOM (SN 0160037788 to Present)

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

FIGURE 3-14. LIFTING HOOK

NOTE: PALLET/LUMBER FORKS OF AN APPROPRIATE LOAD RATING MUST BE USED.

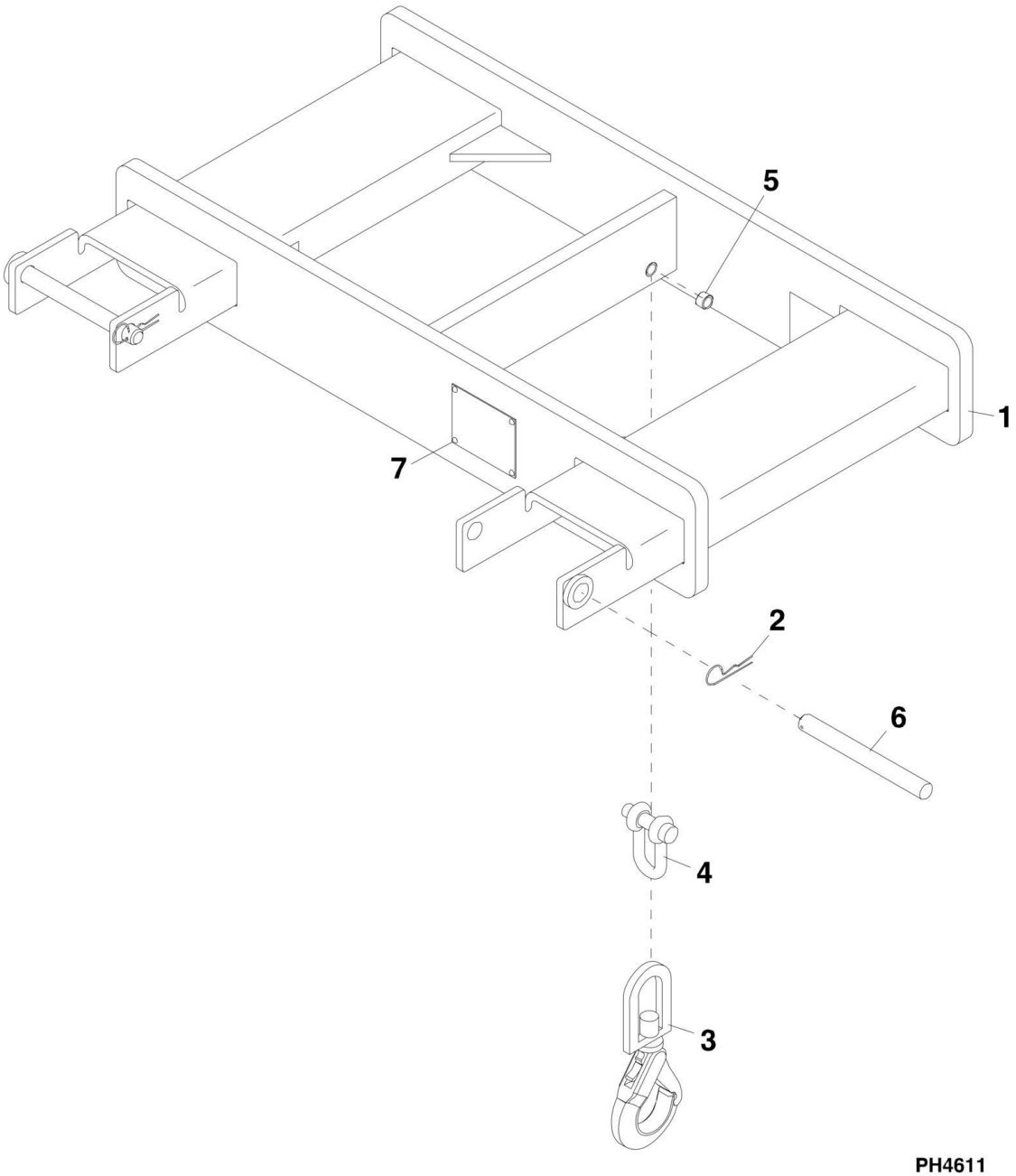
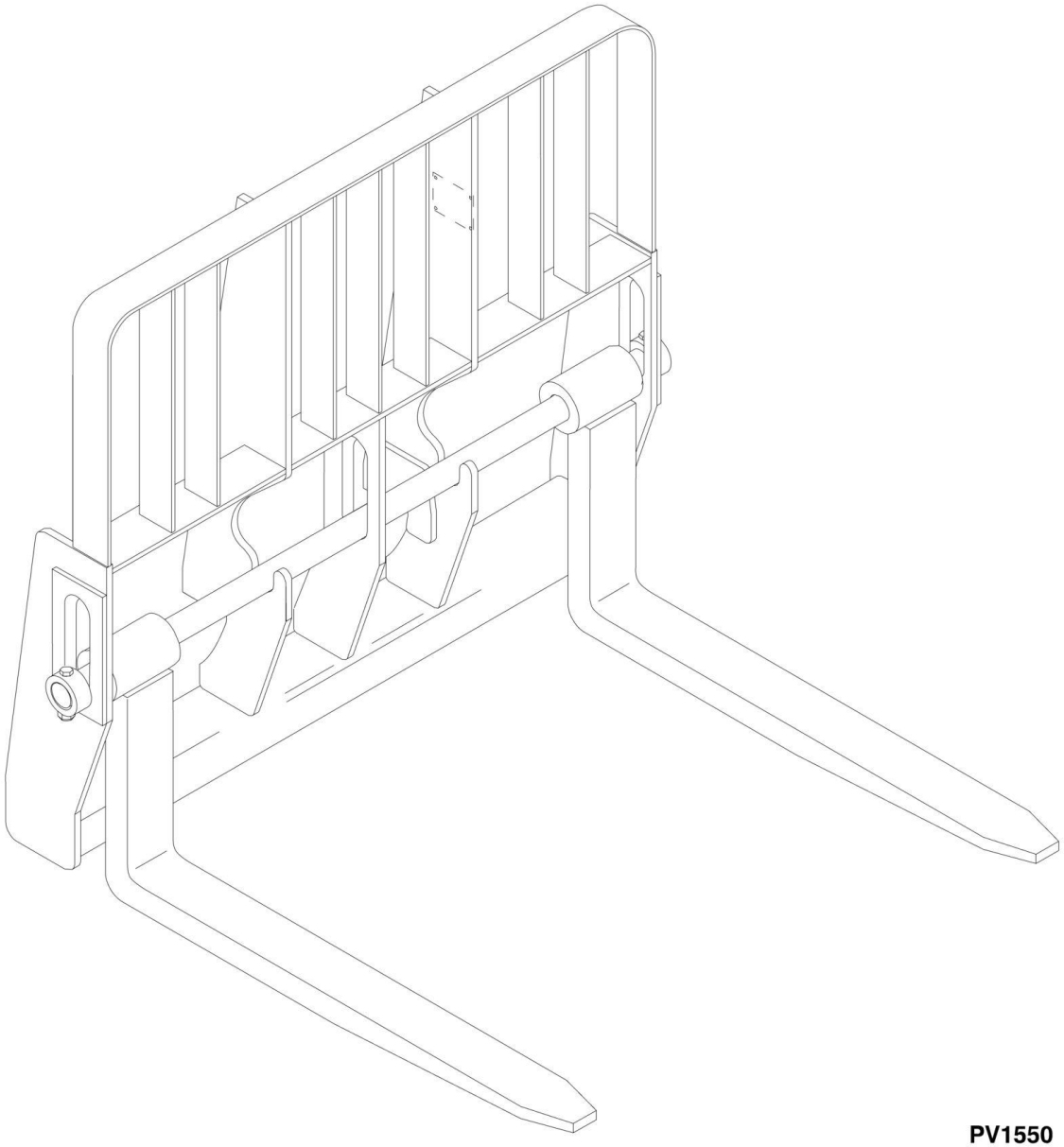


FIGURE 3-14. LIFTING HOOK

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, 12,000LB	
5	7029522	1	SPRING BUSHING	
6	7029523	1	PIN	
7	N.S.S.	1	SN 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	DUAL TAPER FORK, 60X7X1.75	C
	2340046	2	LUMBER FORK, 60X7X1.75, 10,800 lbs	B
	1001092391	2	DUAL TAPER FORK, 72X6X2, 11,300 lbs	B
	1001137512	2	90IN FORK EXTENSION, (not shown), (includes items 1 thru 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. FORK MOUNTED PLATFORM

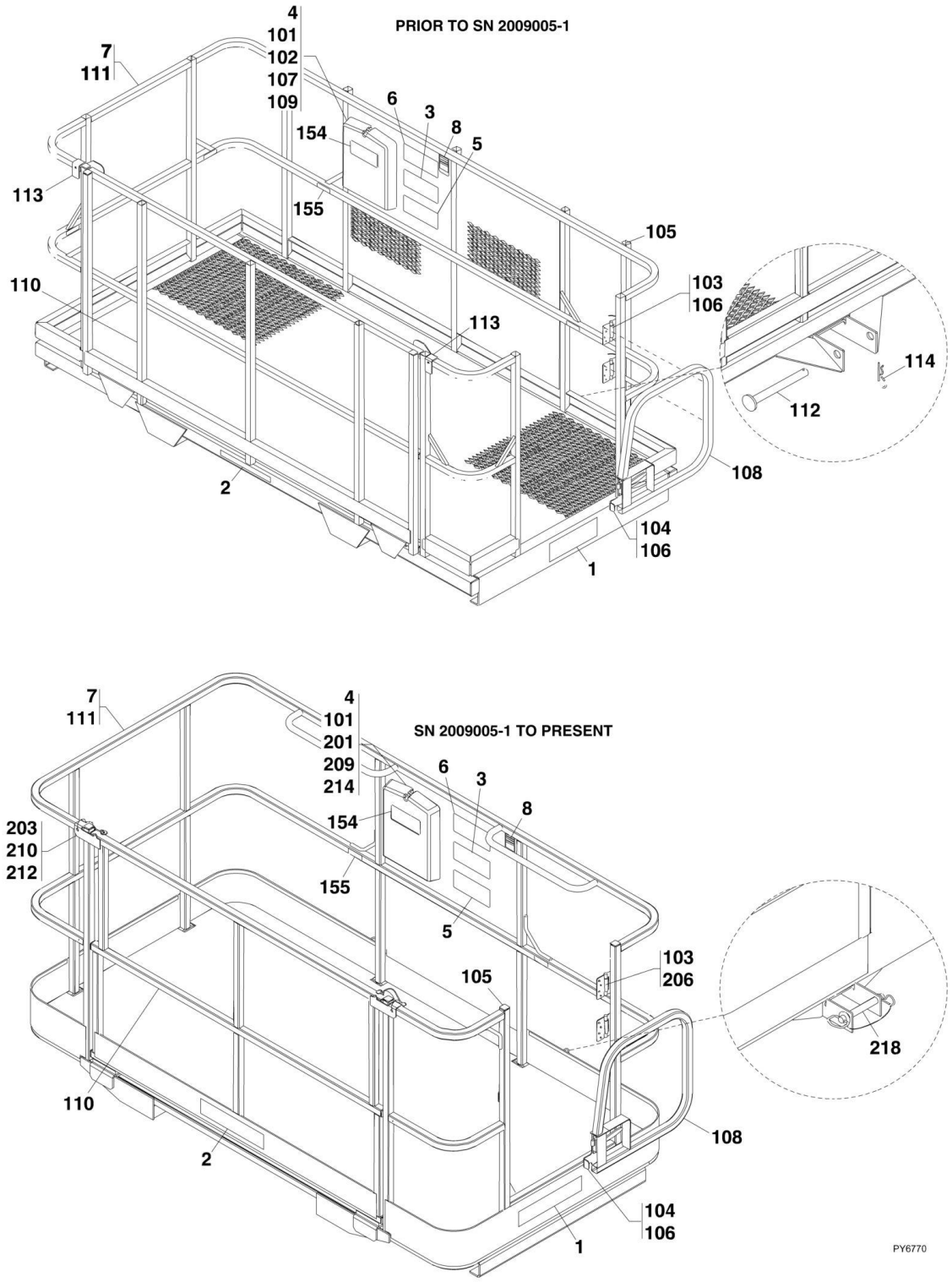


FIGURE 3-16. FORK MOUNTED PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001092280	NLA	FORK MOUNTED PLATFORM, (Prior to SN 2009005-1), (ASME), (no longer available, order 1001103637 for replacement or items 1 thru 8 for service)	E
	1001103637	1	FORK MOUNTED PLATFORM, (SN 2009005-1 to Present), (ASME), (includes items 1 thru 8)	B
	1001096306	NLA	FORK MOUNTED PLATFORM, (Prior to SN 2009005-1), (ISO), (no longer available, order 1001103730 for replacement or items 1 thru 8 for service)	C
	1001103730	1	FORK MOUNTED PLATFORM, (SN 2009005-1 to Present), (ISO), (includes items 1 thru 8)	B
	1001097072	NLA	FORK MOUNTED PLATFORM, (Prior to SN 2009005-1), (ASME - FRENCH), (no longer available, order 1001103736 for replacement or items 1 thru 8 for service)	C
	1001103736	1	FORK MOUNTED PLATFORM, (SN 2009005-1 to Present), (ASME - FRENCH), (includes 1 thru 8)	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	31200336	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, (Prior to SN 2009005-1), (includes items 101 thru 114, 154 & 155)	B
7	N.S.S.	1	FORK MOUNTED PLATFORM, (SN 2009005-1 to Present), (includes items 101, 103 thru 106, 108, 110, 111, 154, 155, 201 thru 218)	H
8	N.S.S.	1	SN 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, (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	6IN 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 3-17. SWEEPER ASSEMBLY

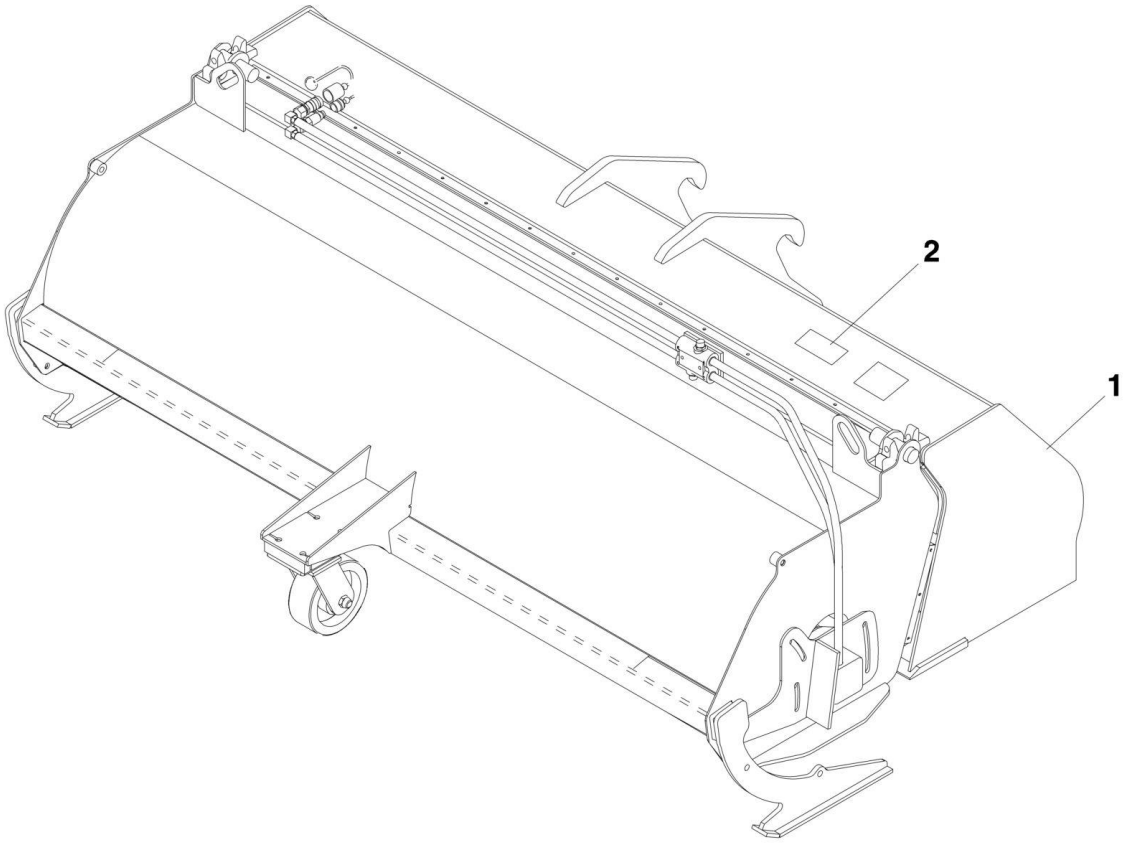


FIGURE 3-17. SWEEPER ASSEMBLY

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

FIGURE 3-18. CONCRETE BUCKET

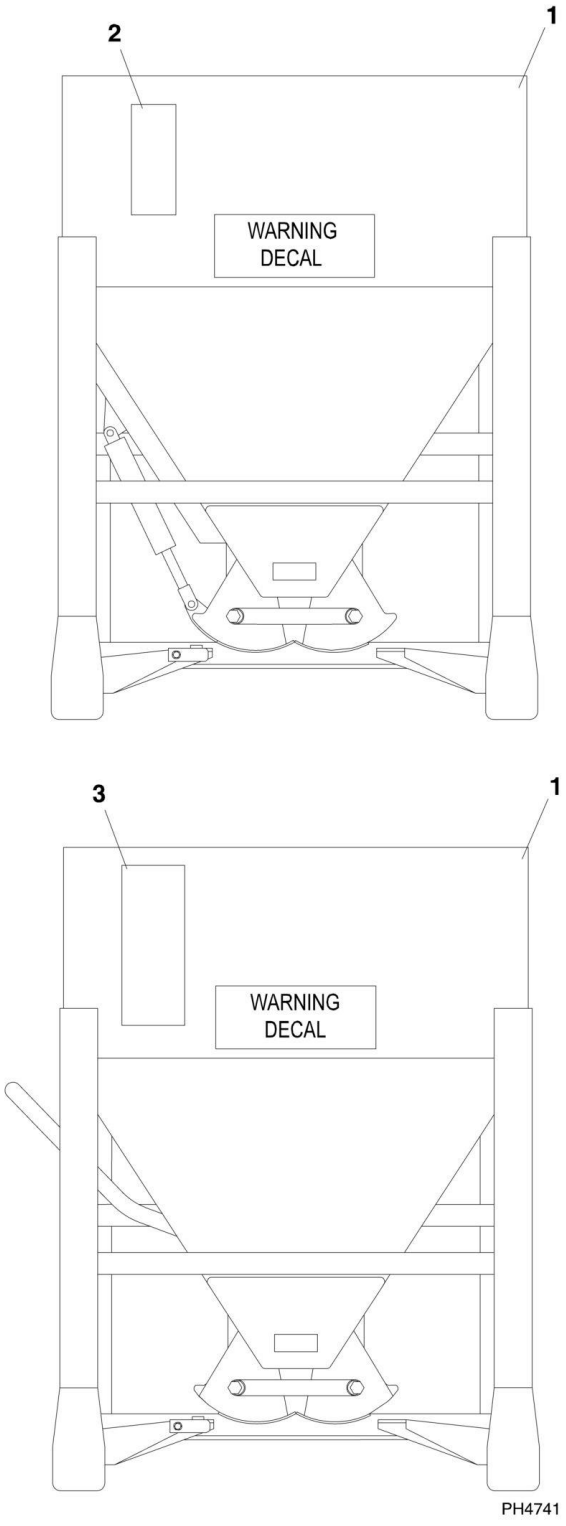


FIGURE 3-18. CONCRETE BUCKET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8866442	1	CONCRETE BUCKET, 1/2 YD³, HYDRAULIC, (includes item 2)	B
1	8866444	1	CONCRETE BUCKET, 1/2 YD³, MANUAL, (includes item 3)	B
2	N.S.S.	1	SN PLATE	
3	N.S.S.	1	SN PLATE	
4	8866446	1	4IN DISCHARGE HOSE, (not shown)	
4	8866561	1	4IN DISCHARGE HOSE WITH GATE, (not shown)	
5	8866464	1	6IN DISCHARGE HOSE, (not shown)	
6	8866560	1	8IN DISCHARGE HOSE, (not shown)	
7	8866445	1	RUBBER SIDE DISCHARGE CHUTE, (not shown)	

FIGURE 3-19. GRAPPLE BUCKET

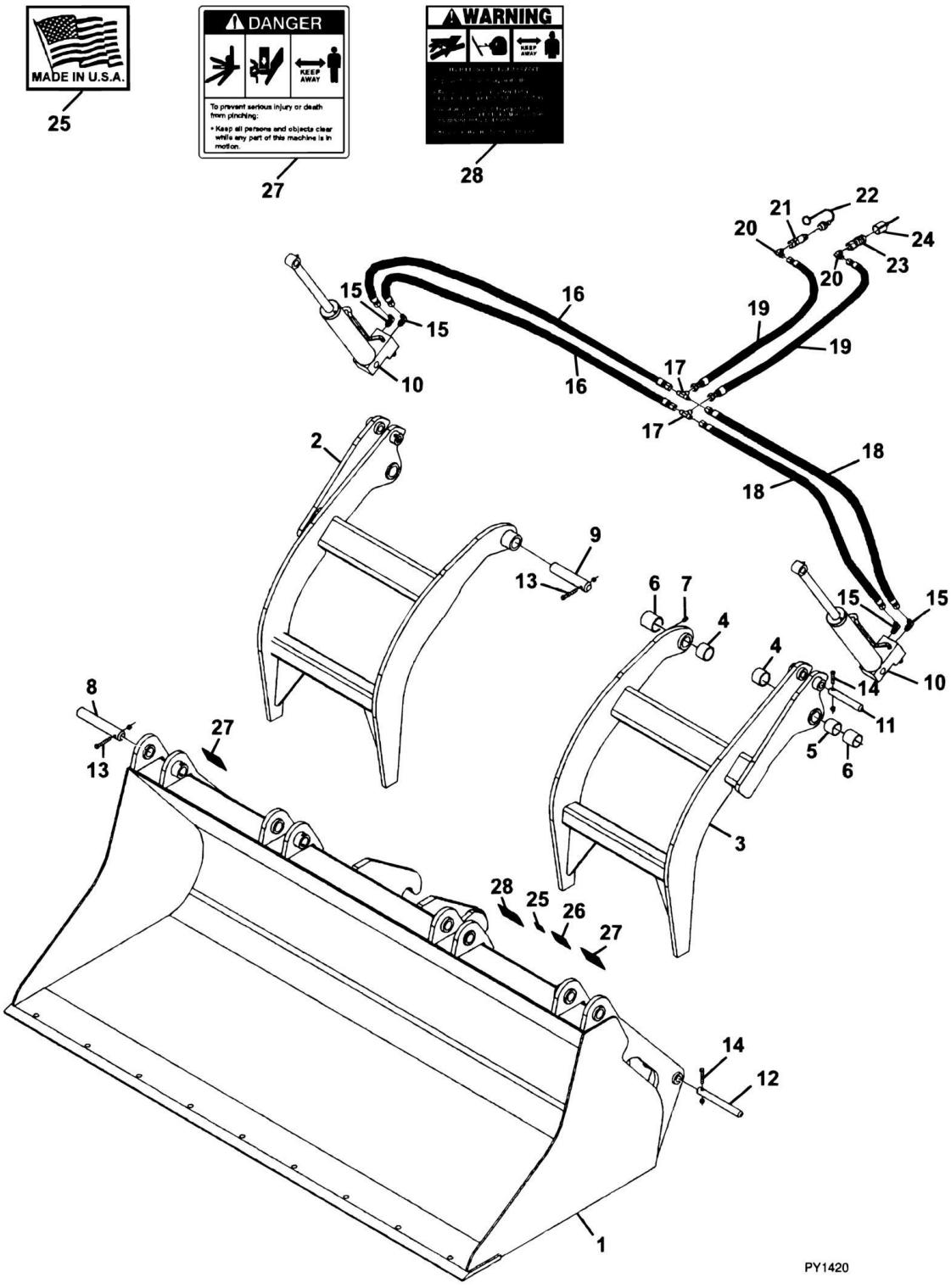


FIGURE 3-19. GRAPPLE BUCKET

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, 3/8X73IN	
17	70020562	2	FITTING, TEE	
18	70021981	2	HOSE ASSY, 3/8X46IN	
19	70021982	2	HOSE ASSY, 3/8X34IN	
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	MADE IN USA DECAL	
26	N.S.S.	1	SN PLATE	
27	90554017	2	DANGER PINCH POINT DECAL	
28	90554018	1	WARNING HIGH PRESSURE DECAL	

FIGURE 3-20. FORK PIN LOCK INSTALLATION

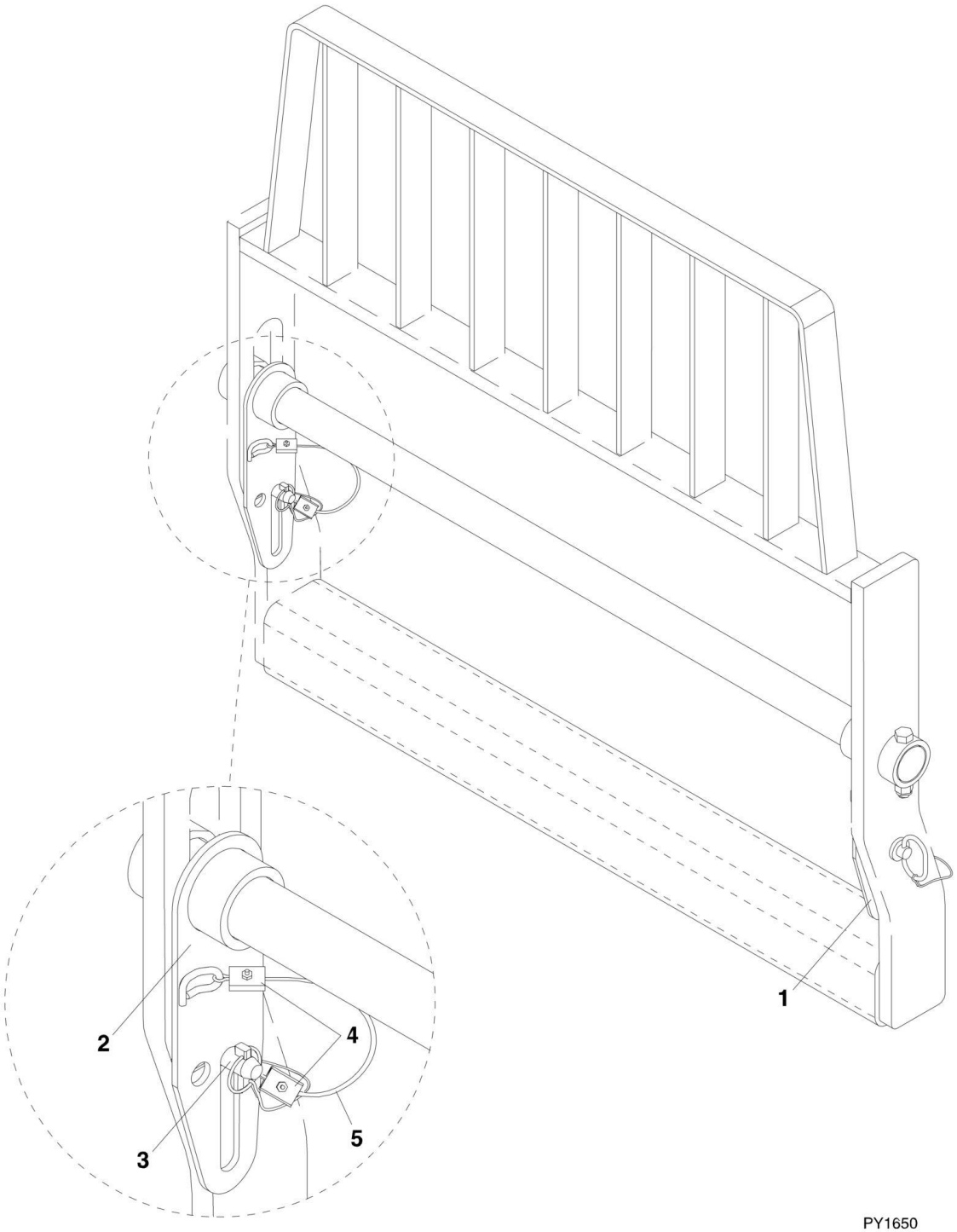


FIGURE 3-20. FORK PIN LOCK INSTALLATION

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

FIGURE 3-21. DUAL FORK POSITIONING CARRIAGE ASSEMBLY

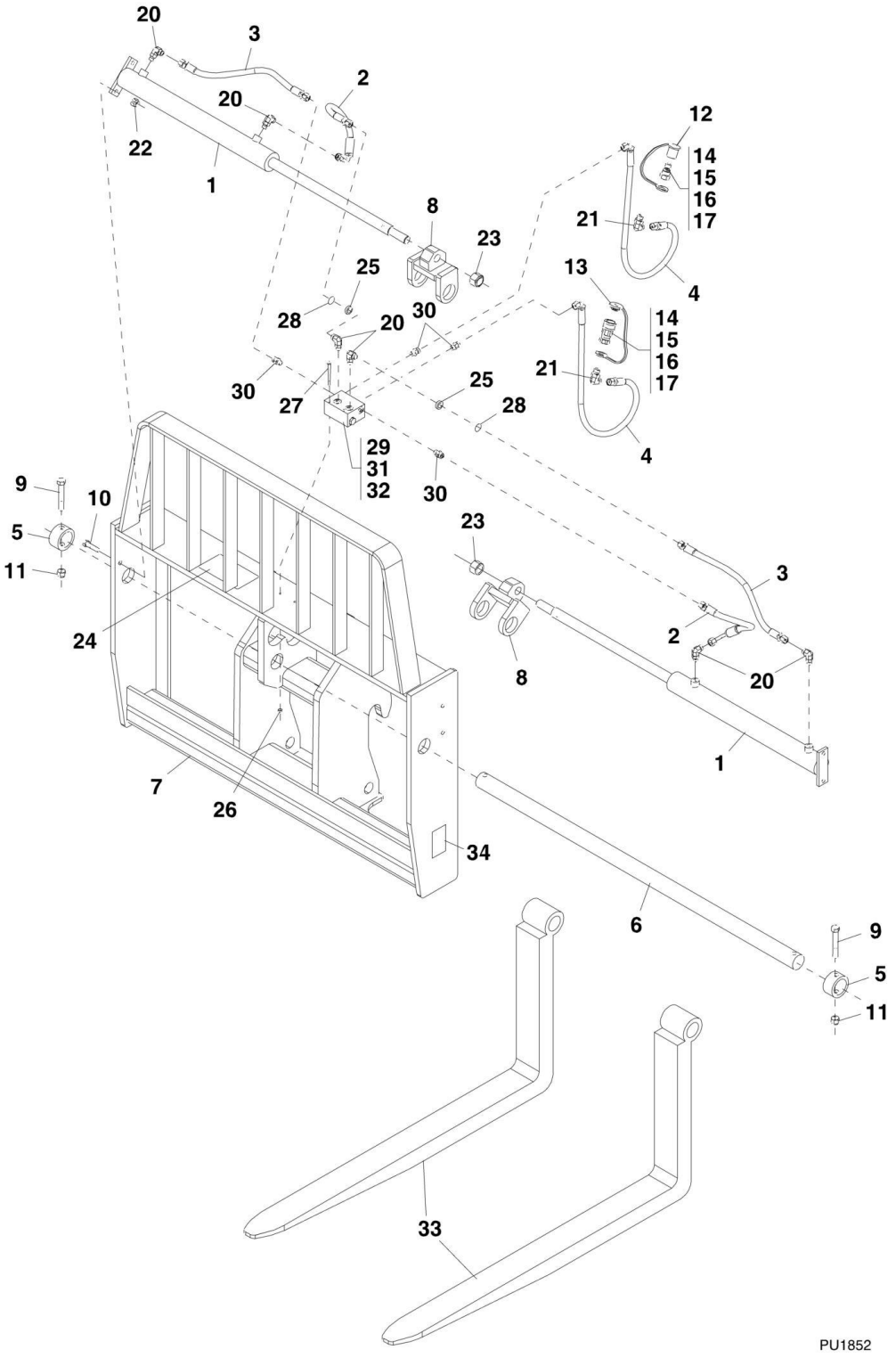
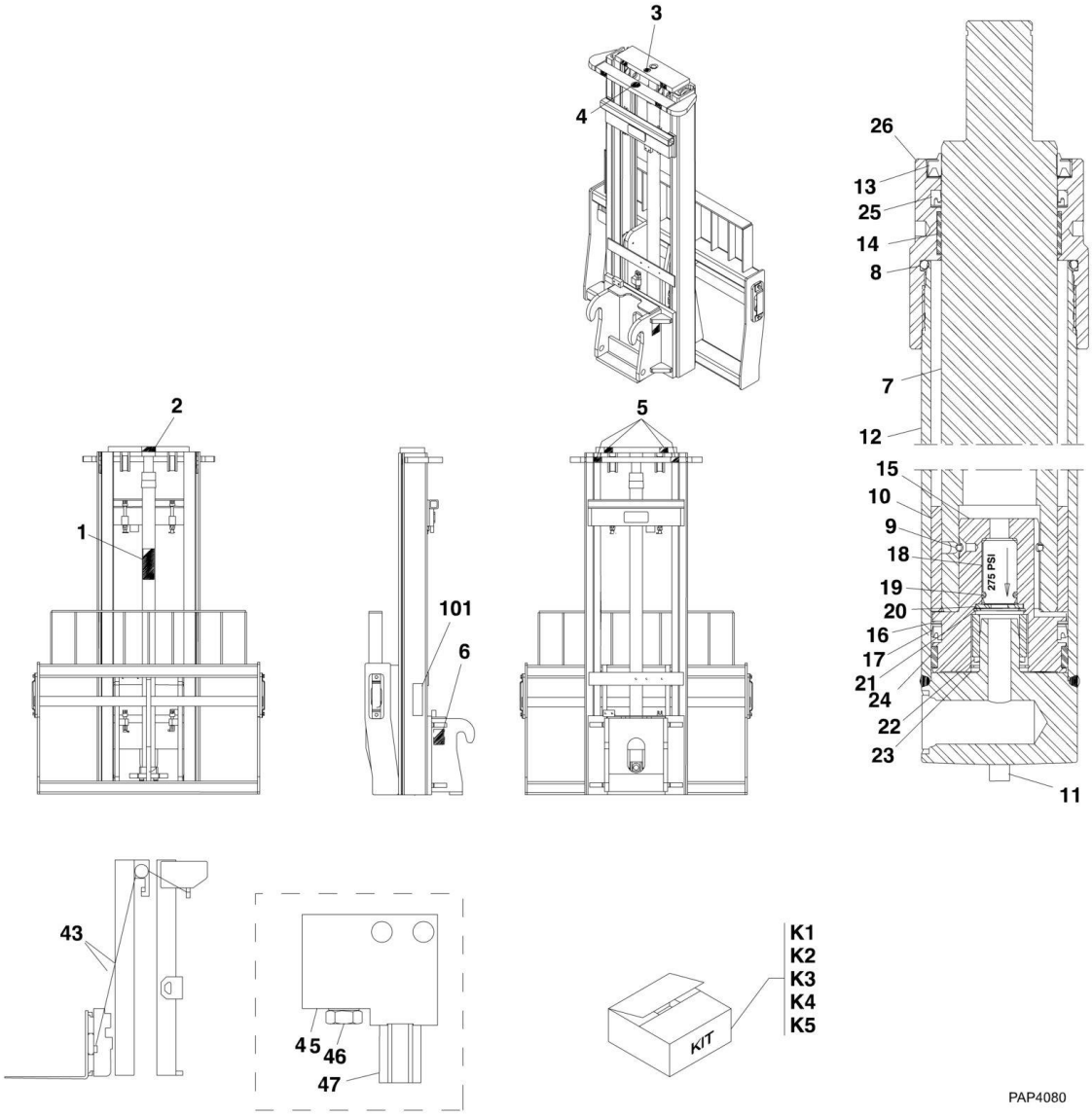


FIGURE 3-21. DUAL FORK POSITIONING CARRIAGE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7301295	1	50IN DUAL FORK POSITIONING CARRIAGE ASSY, (includes all items)	F
	7301568	1	50IN DUAL FORK POSITIONING CARRIAGE ASSY, (includes items 1 thru 32)	I
1	2717283	2	FORK POSITIONING CYLINDER	
1	8036733	1	SEAL KIT	
2	2717160	2	HOSE ASSY	
3	2717161	2	HOSE ASSY	
4	2717162	2	HOSE ASSY	
5	90200003	2	LOCKING HUB	
6	90451058	1	FORK SHAFT	
7	7301569	1	50IN CARRIAGE WELDMENT	
8	7301579	2	FORK ADAPTER WELDMENT	
9	8303634	2	HEX HD CAPSCREW, 5/8-11X4, GR5	
10	8303658	4	HEX HD CAPSCREW, 1/2-13X2, GR5	
11	8305643	2	HEX LOCKNUT, 5/8-11	
12	8420053	1	DUST CAP	
13	8420055	1	DUST PLUG	
14	91403413	1	FEMALE QUICK DISCONNECT, (includes items 15 thru 17)	
15	8640029	1	NOSE SEAL	
16	8640028	1	COUPLER BODY SEAL	
17	8640032	1	COUPLER BODY SEAL BACK UP RING	
18	91403414	1	MALE QUICK DISCONNECT, (includes item 19)	
19	8640029	1	NOSE SEAL	
20	2130606	4	ELBOW, 90	
21	2130608	2	ELBOW, 90	
22	8310302	4	HEX LOCKNUT, 1/2-13	
23	10705034	2	HEX LOCKNUT	
24	4110473	1	HOSE ROUTE WARNING DECAL	
25	7139918	2	DISC ORIFICE	
26	8305624	2	HEX LOCKNUT, 1/4-20	
27	8310435	2	HEX HD CAPSCREW, 1/4-20X3-1/4, GR5	
28	8630003	2	O-RING	
29	4641502	1	VALVE ASSY, (Includes items 30 thru 32)	
30	2110606	4	ADAPTER	
31	4641501	1	VALVE BODY	
32	2130606	2	CONNECTOR	
33	7301408	2	PALLET FORK, 60X100X1220MM	
34	N.S.S.	1	SN PLATE	

FIGURE 3-22. 8FT STANDARD MAST



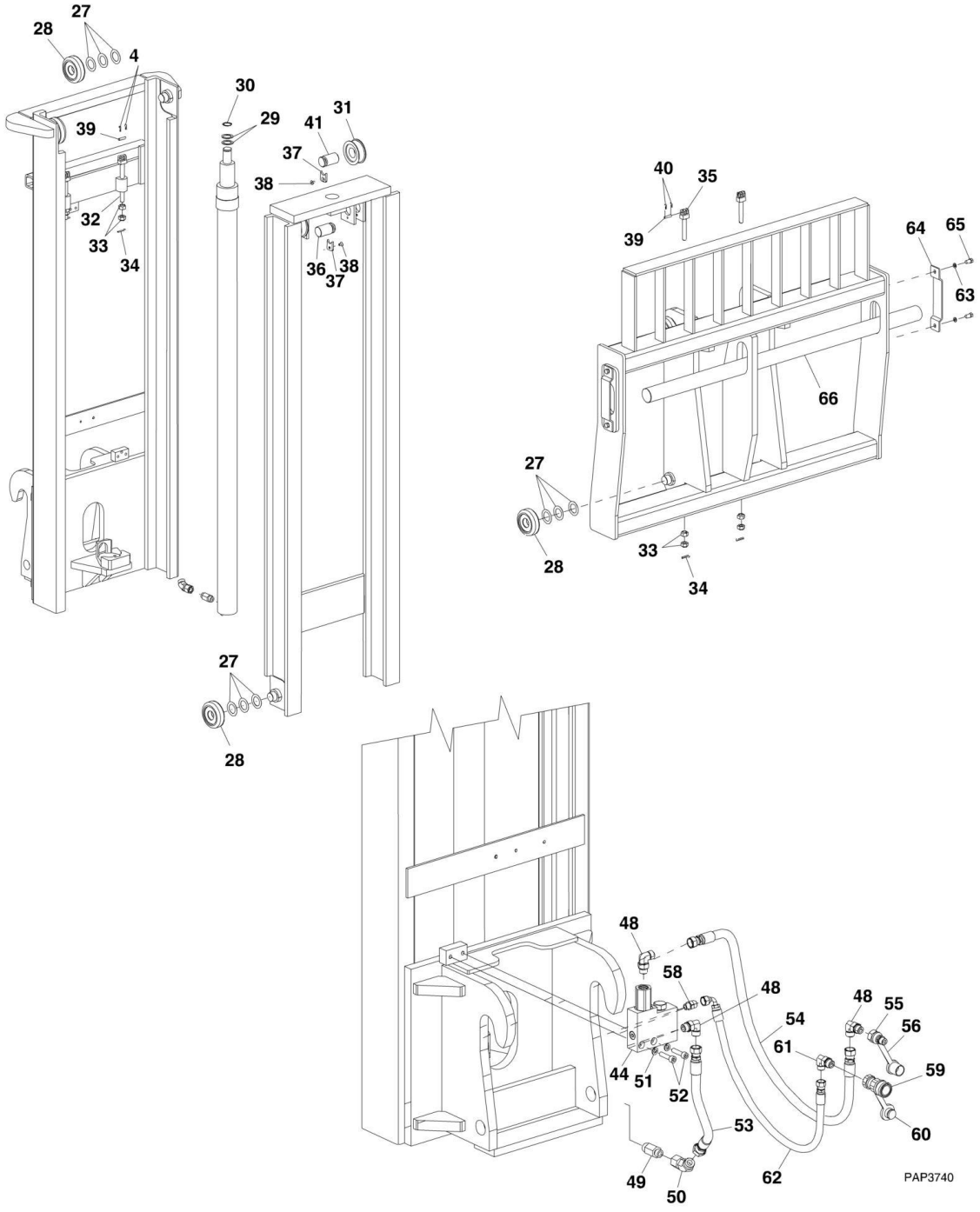

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FIGURE 3-22. 8FT STANDARD MAST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108668	1	8FT STANDARD MAST, (includes all items)	B
1	Kit K1	1	WARNING DECAL	
2	Kit K1	1	WARNING DECAL	
3	Kit K1	1	NO STEP DECAL	
4	Kit K1	1	NO STEP DECAL	
5	Kit K1	4	HANDS OFF DECAL	
6	1001111190	2	HOSE ROUTING	
6	70023008	1	MAIN LIFT CYLINDER	
7	N.S.S.	1	ROD/PLUNGER	
8	Kit K2	1	O-RING	
9	Kit K2	1	PULL WIRE	
10	N.S.S.	1	SPACER	
11	N.S.S.	2	ROLL PIN	
12	N.S.S.	1	BARREL	
13	Kit K2	1	WIPER	
14	Kit K2	1	BUSHING	
15	N.S.S.	1	PISTON	
16	Kit K2	1	NYLON RING	
17	Kit K2	1	PISTON SEAL	
18	Kit K3	1	CHECK VALVE	
19	Kit K2 or K3	1	O-RING	
20	Kit K3	1	WASHER	
21	Kit K2 or K3	1	CIRCLIP	
22	N.S.S.	1	SLEEVE	
23	Kit K2 or K3	1	RETAINING RING	
24	Kit K2	1	WEAR RING	
25	Kit K2	1	ROD SEAL	
26	70023004	1	RETAINER/GLAND	
27	70023014	24	SHIM	
28	70022987	8	BALL BEARING	
29	Kit K5	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	SN 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. 50IN SIDE SHIFT CARRIAGE

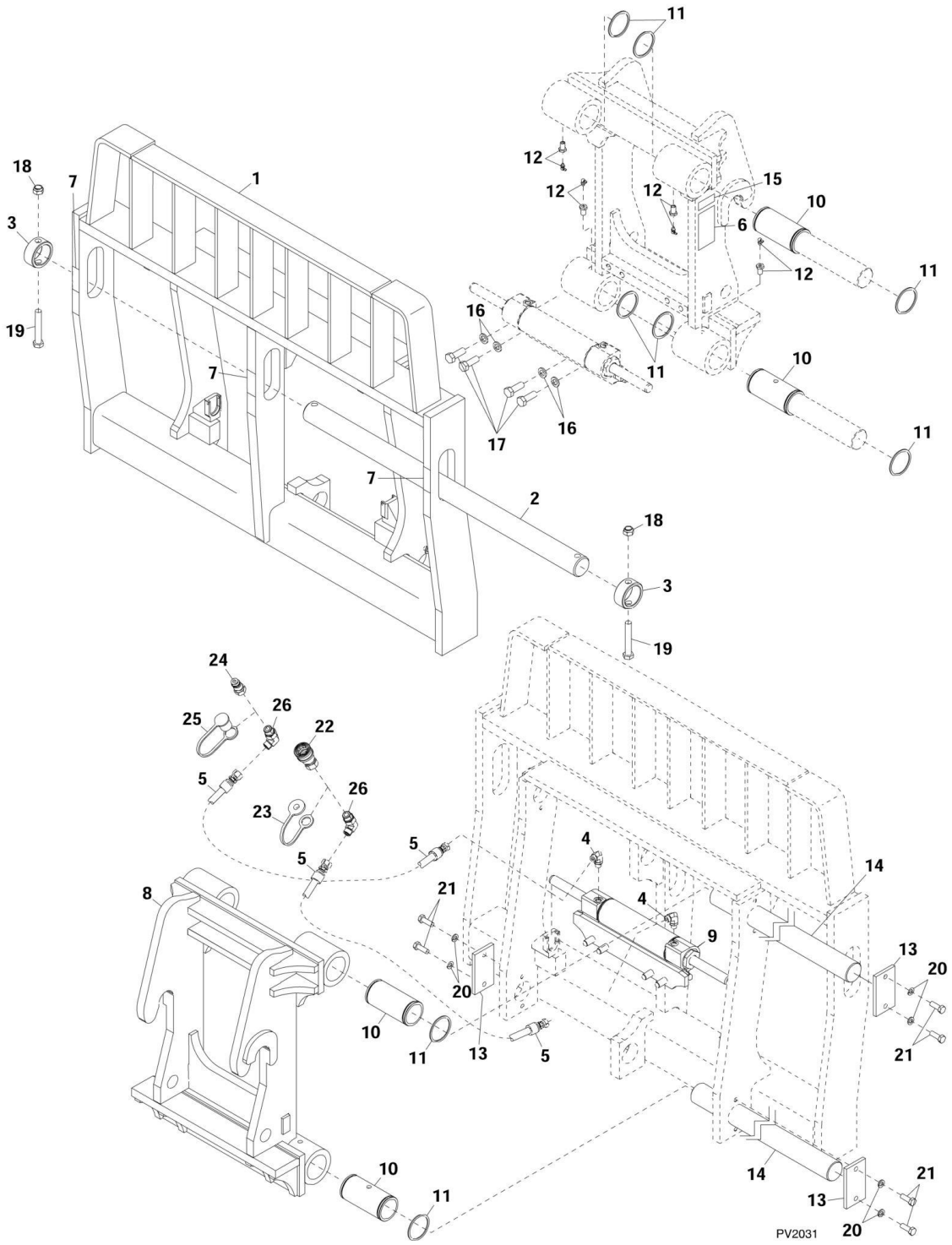


FIGURE 3-23. 50IN SIDE SHIFT CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001142790	1	50IN SIDE SHIFT CARRIAGE, (includes all items)	B
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 ASSEMBLY	
6	N.S.S.	1	SN PLATE	
7	70024538	3	WARNING DECAL	
8	N.S.S.	1	WELDMENT	
9		Ref	50IN SIDE SHIFT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
10	70024540	4	BUSHING	
11	70024541	8	CIRCLIP	
12	70024542	4	GREASE FITTING	
13	70024543	4	RETAINER	
14	70024544	2	SHAFT	
15	N.S.S.	1	SN PLATE	
16	70024551	4	LOCKWASHER, 16MM	
17	70024552	4	HEX HD CAPSCREW, M16X45, GR10.9	
18	70024553	2	HEX NUT, M16, GR8	
19	70024554	2	HEX HD CAPSCREW, M16X100, GR10.9	
20	70022997	8	LOCKWASHER, 12MM	
21	70024555	8	HEX HD CAPSCREW, M12X35, GR10.9	
22	91403413	1	FEMALE QUICK DISCONNECT	
23	8420055	1	DUST PLUG	
24	91403414	1	MALE QUICK DISCONNECT	
25	8420053	1	DUST CAP	
26	70024550	2	ADAPTER, 90, (includes o-ring)	
K1	70024545	1	HYDRAULIC REPAIR KIT, (includes items 5, 22 thru 26)	B
K2	70024546	1	RETAINER KIT, (includes items 13, 20 & 21)	B

SECTION 4 - ENGINE AND ATTACHING PARTS

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-1. ENGINE MOUNTING (SN 17019 through 19897, SN 0160002408 through 0160004109)

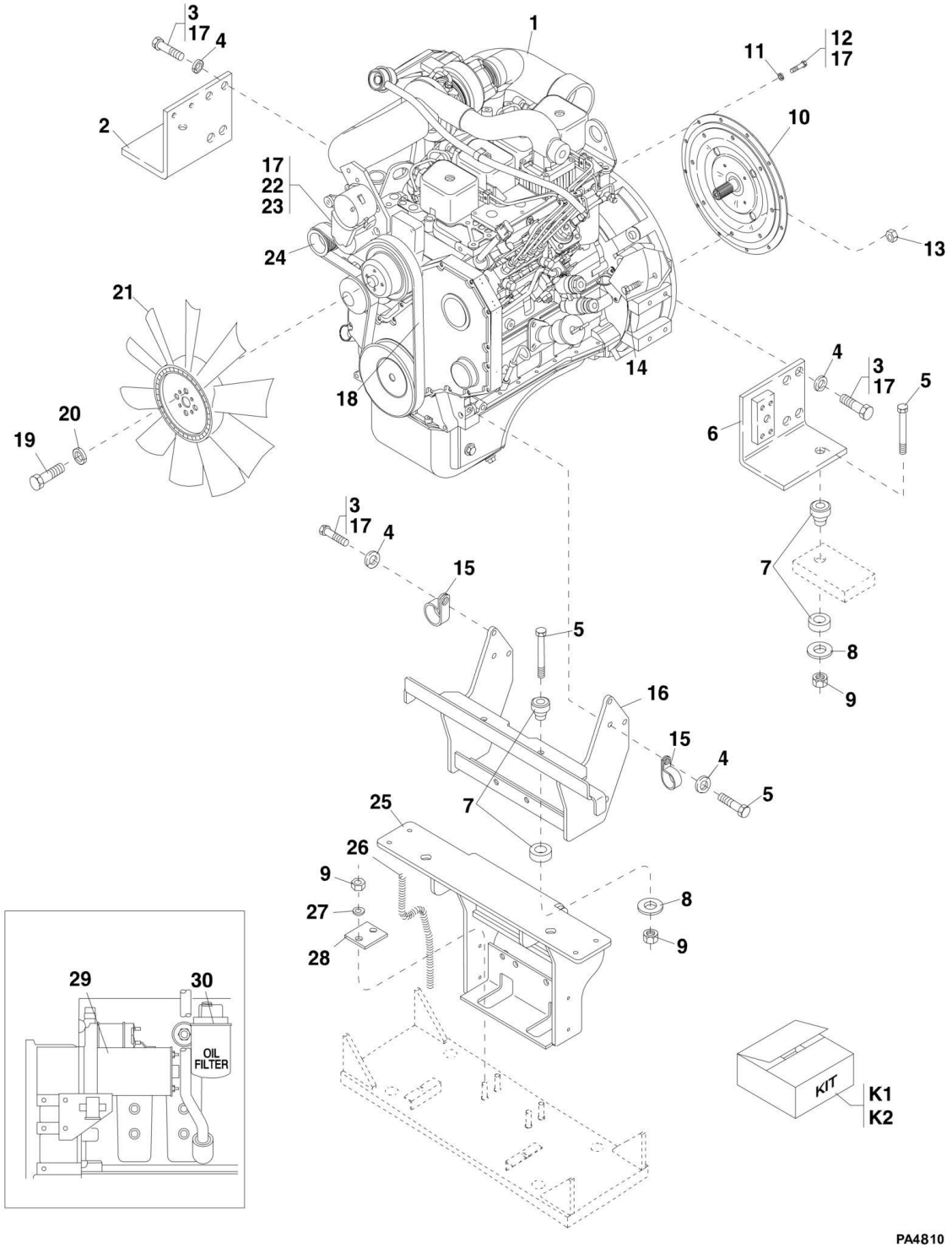


FIGURE 4-1. ENGINE MOUNTING (SN 17019 through 19897, SN 0160002408 through 0160004109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8262166	1	CUMMINS ENGINE, 4BT 3.9 TURBO	AB
2	7095272	1	L.H. ENGINE MOUNT	
3	8303790	11	HEX HD CAPSCREW, M12X1.75X30MM	
4	8307025	9	LOCKWASHER, M12	
5	8310290	4	HEX HD CAPSCREW, 1/2-13X3-1/2, GR8	
6	7138881	1	R.H. ENGINE MOUNT	
7	8278032	4	ENGINE ISOLATOR	
8	7095831	4	REBOUND WASHER	
9	8305644	8	HEX LOCKNUT, 1/2-13	
10		Ref	ISOLATION COUPLER ASSY, (See ISOLATION COUPLER for Breakdown)	
11	8307023	12	LOCKWASHER, M10 **(SN 17019 through 19796)**	
12	8303784	12	HEX HD CAPSCREW, M10X1.5X20MM	
13	8305645	8	HEX LOCKNUT, 3/8-16 **(SN 17019 through 19796)**	
13	8305630	8	HEX LOCKNUT, M10X1.50 **(SN 19797 through 19897, SN 0160002408 through 0160004109)**	
14	8303679	8	HEX HD CAPSCREW, 3/8-16X1-3/4, GR5 **(SN 17019 through 19798)**	
14	8310747	8	HEX HD CAPSCREW, M10X1.5X70MM **(SN 19797 through 19897, SN 0160002408 through 0160004109)**	
15	8406302	2	HOSE CLAMP, 1-1/4 DIA	
16	7139587	1	ENGINE MOUNT	
17	0100011	AR	LOCTITE 242, (apply to items 3, 12 & 22)	
18	8080613	1	ENGINE FAN BELT	
19	8303528	4	HEX HD CAPSCREW, M8X1.25X90MM	
20	8307222	4	FLAT WASHER, M8	
21	8272017	1	FAN	
22	8270221	1	ALTERNATOR	
23	8270220	1	ALTERNATOR FAN	
24	80974028	1	ALTERNATOR PULLEY	
25	7139591	1	ENGINE/RADIATOR MOUNT	
26	7124331	AR	CONDUIT, 1/2 DIA, (60in cut to fit)	
27	8307112	4	PLAIN WASHER, 1/2	
28	7139595	2	ENGINE HOLD DOWN PLATE	
29	8033340	1	12V STARTER, (includes solenoid)	
30	8320262	1	ENGINE OIL FILTER	
K1	7138290	1	250 HOUR FILTER KIT, (includes 3 filters: engine oil and both fuel filters)	
K2	8024016	1	1000 HOUR FILTER KIT, (includes 6 filters: engine oil filter, both fuel filters, primary air filter, transmission oil filter and hydraulic oil filter)	

FIGURE 4-2. ENGINE MOUNTING (SN 0160004111 through 0160039074)

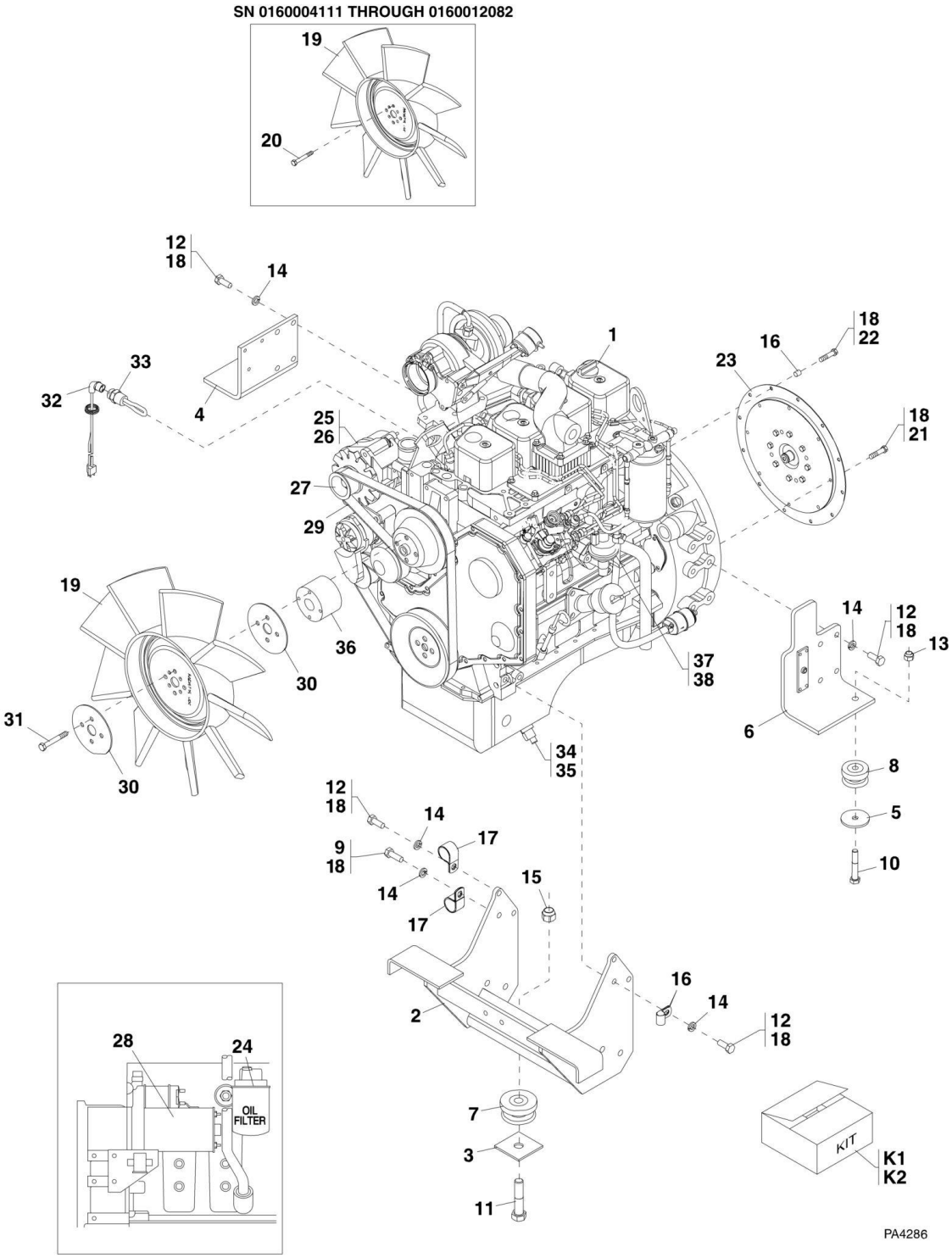


FIGURE 4-2. ENGINE MOUNTING (SN 0160004111 through 0160039074)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2000218	1	CUMMINS ENGINE, 99HP, TIER 2	C
2	4340809	1	ENGINE MOUNT	
3	7054351	1	LORD MOUNT WASHER	
4	7095272	1	L.H. ENGINE MOUNT	
5	7095831	2	REBOUND WASHER	
6	4341004	1	R.H. ENGINE MOUNT	
7	8278007	1	RUBBER MOUNT	
8	8278012	2	CENTER BONDED MOUNT	
9	0701215	1	HEX HD CAPSCREW, M12X1.75X35MM, PC8.8	
10	8303702	2	HEX HD CAPSCREW, 1/2-13X3, GR5	
11	8303724	1	HEX HD CAPSCREW, 3/4-10X3-1/2, GR5	
12	0701214	13	HEX HD CAPSCREW, M12X1.75X30MM, PC8.8	
13	8305644	2	HEX LOCKNUT, 1/2-13	
14	8307025	14	LOCKWASHER, M12	
15	8310067	1	HEX LOCKNUT, 3/4-10	
16	8406105	4	CLIP TUBE, 3/4	
17	8406302	2	HOSE CLAMP	
18	0100011	AR	LOCTITE 242, (apply to items 9, 12 & 22)	
19	8272027	1	FAN, 9-BLADE, 21IN	
20	8310705	NLA	HEX HD CAPSCREW, M10X1.5X75MM, PC8.8, (no longer available, use items 30 & 31 for replacement) **(SN 0160004111 through 0160012082)**	
21	8303755	8	HEX HD CAPSCREW, M10X1.5X30MM, PC8.8	
22	8303784	12	HEX HD CAPSCREW, M10X1.5X20MM, PC8.8	
23		Ref	ISOLATION COUPLER ASSY, (See ISOLATION COUPLER for Breakdown)	
25	7029268	NLA	ALTERNATOR, (no longer available, use the following Kit 2915170 and Alternator 7029525 for replacement) **(SN 0160004111 through 0160014862)**	
25	2915170	1	ALTERNATOR SERVICE KIT	
25	7029525	1	ALTERNATOR **(SN 0160014880 through 0160039074)**	
26	7029269	1	ALTERNATOR FAN **(SN 0160004111 through 0160014862)**	
27	80974028	1	ALTERNATOR PULLEY	
28	7026666	1	STARTER	
29	7029270	1	ENGINE FAN BELT	
30	3575947	2	FAN HUB PLATE **(SN 0160012138 through 0160039074)**	
31	8310354	4	HEX HD CAPSCREW, M10-1.5X80MM, PC8.8 **(SN 0160012138 through 0160039074)**	
32	7029829	1	COOLANT HEATER CABLE	
33	7029830	1	COOLANT HEATER	
34	70020210	1	OIL CONTROL VALVE	
35	70020211	1	SEALING WASHER	
36	7028783	1	FAN SPACER	
37	7029991	1	TRANSFER FUEL PUMP	
38	1321797	1	COVER PLATE GASKET, TRANSFER FUEL PUMP	
K1	2915034	1	250 HOUR FILTER KIT, (includes 5 filters: engine oil, both fuel filters and primary air filter, safety air filter,)	
K2	2915036	1	1000 HOUR FILTER KIT, (includes 8 filters: engine oil filter, both fuel filters, primary air filter, safety air filter, transmission oil filter, hydraulic oil filter and filler breather)	

FIGURE 4-3. ENGINE MOUNTING (SN 0160039075 to Present)

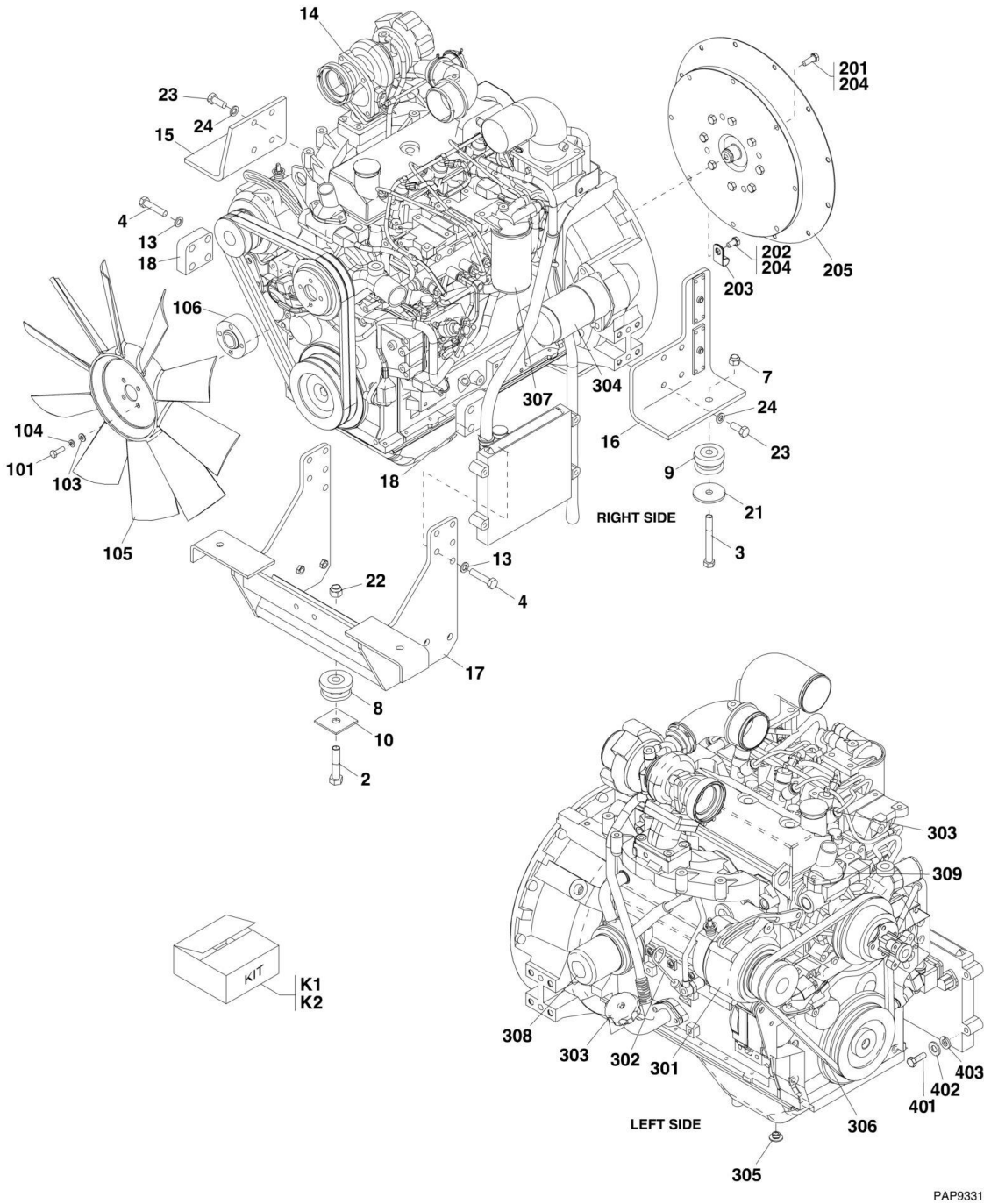


FIGURE 4-3. ENGINE MOUNTING (SN 0160039075 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001096428	1	ENGINE ASSY, (includes items 2 thru 24)	H
2	0682228	1	HEX HD CAPSCREW, 3/4-10X3-1/2, GR8, (torque to 340 lb-ft)	
3	0681826	2	HEX HD CAPSCREW, 1/2-13X3-1/4, GR8, (torque to 95 lb-ft)	
4	0711019	8	HEX HD CAPSCREW, 10X55MM, GR10.9, (torque to 80-88 lb-ft)	
7	8305644	2	HEX LOCKNUT, 1/2-13	
8	8278007	1	ENGINE MOUNT	
9	8278012	2	ENGINE MOUNT	
10	7054351	1	WASHER	
13	4832000	8	SPRING LOCKWASHER, 10MM	
14	1001095710	1	CUMMINS ENGINE, 99HP, TIER III, (includes items 301 thru 309) **(Prior to SN 0160044158)**	G
14	1001137288	1	CUMMINS ENGINE, 99HP, TIER III, (includes items 301 thru 309) **(SN 0160044158 to Present)**	A
15	1001096459	1	L.H. ENGINE MOUNT	
16	1001096462	1	R.H. ENGINE MOUNT	
17	1001096479	1	REAR ENGINE BRACKET	
18	1001097566	2	ENGINE MOUNT SPACER	
20	0100011	AR	LOCTITE 242	
21	7095831	2	WASHER	
22	8310067	1	HEX LOCKNUT, 3/4-10	
23	8303790	8	HEX HD CAPSCREW, M12X30MM	
24	4832100	8	SPRING LOCKWASHER	
	1001129749	1	ENGINE FAN ASSY, (includes items 101 thru 106)	A
101	0710819	4	HEX HD CAPSCREW, 8X25MM, GR8.8	
103	4811900	4	WASHER, 8MM	
104	4831900	4	SPRING LOCKWASHER, 8MM	
105	1001098559	1	FAN	
106	1001128058	1	FAN SPACER	
	7301500	1	COUPLER INSTALL, (includes items 201 thru 205)	AA
201	8303755	8	HEX HD CAPSCREW, 10X1.5X30MM, GR8.8, (torque to 54-61 Nm)	
202	8303784	12	HEX HD CAPSCREW, 10X1.5X20MM, GR8.8, (torque to 54-61 Nm)	
203	8406105	1	TUBE CLIP	
204	8526007	AR	THREAD LOCK	
205		Ref	COUPLER, (See ISOLATION COUPLER for Breakdown)	
301	70021849	1	ALTERNATOR	
302	70021854	1	DIPSTICK	
303	70022842	1	OIL CAP, (LOWER)	
303	70022843	1	OIL CAP (UPPER)	
304	70021850	1	STARTER	
305	70022844	1	OIL PAN PLUG	
305	70022845	1	GASKET	
306	70021852	1	BELT	
307	70022846	1	FUEL FILTER, PRIMARY	
308	8036204	1	OIL FILTER	
309	70021847	1	THERMOSTAT KIT	
309	70021848	1	GASKET	
	1001113422	Ref	ECM INSTALLATION MOUNT, (not available to order, see items 401 thru 403 for service)	B
401	0641514	3	HEX HD CAPSCREW, 5/16-18 x 1 3/4 LG	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
402	4711500	3	FLAT WASHER	
403	4761500	6	LOCK WASHER	
K1	1001128968	1	250 HOUR FILTER KIT, (includes primary and secondary air filters, fuel strainer, fuel filter and oil filter)	
K2	1001128967		1000 HOUR FILTER KIT, (includes primary and secondary air filters, fuel strainer, fuel filter, oil filter, transmission filter, hydraulic oil filter and breather)	

FIGURE 4-4. FUEL SYSTEM (Prior to SN 0160039074)

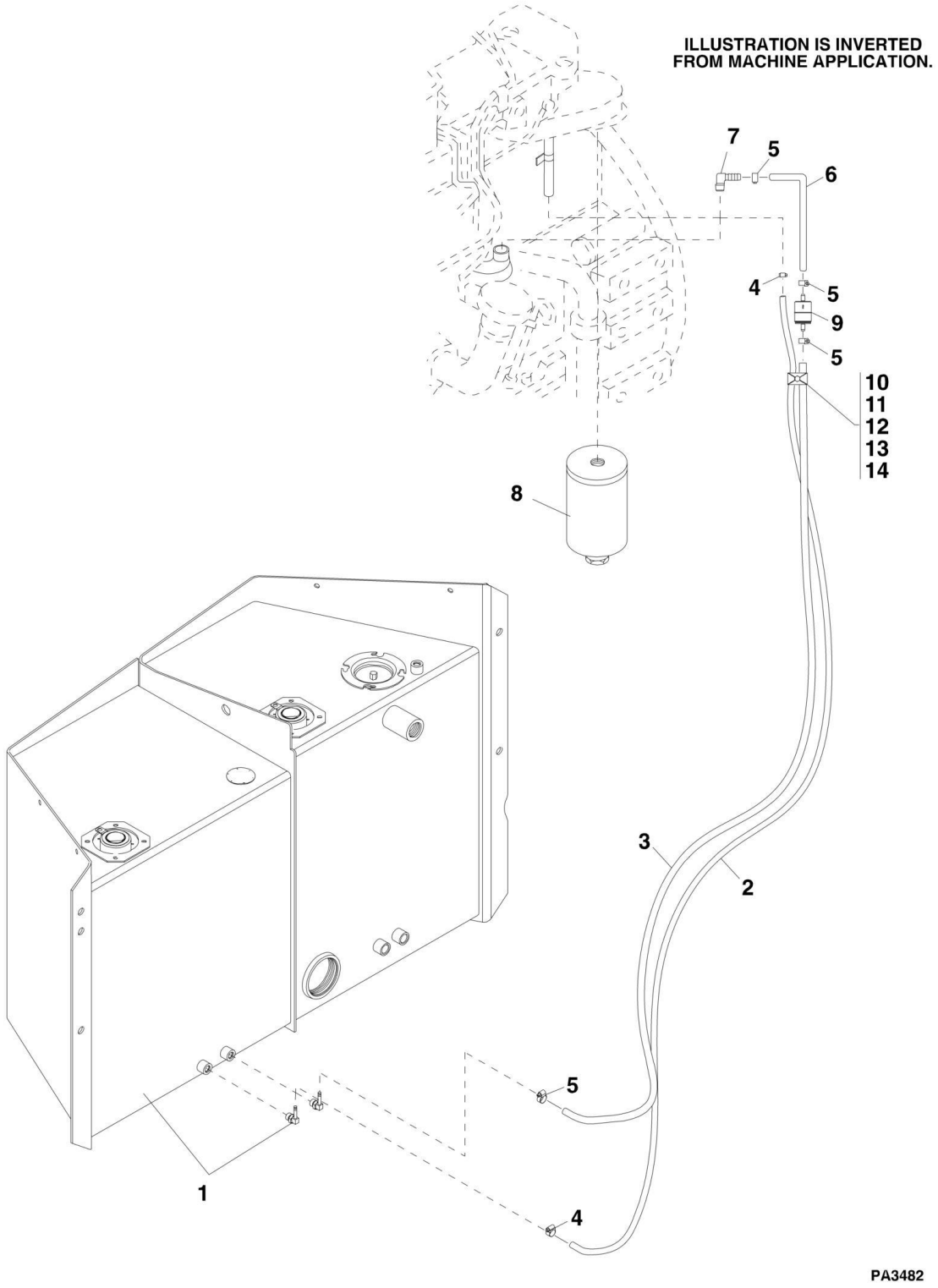


FIGURE 4-4. FUEL SYSTEM (Prior to SN 0160039074)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	FUEL/HYDRAULIC TANK ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	7127081	1	FUEL RETURN HOSE ASSY **(SN 17019 through 19897)**	
2	7302085	1	FUEL RETURN HOSE ASSY **(SN 0160002408 through 0160039074)**	
3	2720551	1	FUEL SUPPLY HOSE ASSY	
4	8405009	2	GEAR CLAMP, .62 MAX DIA	
5	8410013	4	GEAR CLAMP, .78 MAX DIA	
6	7127881	1	FUEL SUPPLY HOSE ASSY	
7	8420229	1	ELBOW, 90, HOSE BARB 6-4P	
8	8320270	1	PRIMARY FUEL FILTER **(SN 17019 through 19897)**	
8	7028838	1	PRIMARY FUEL FILTER **(SN 0160002408 through 0160039074)**	
9	8274022	1	INLINE FUEL FILTER	
10	8303715	1	HEX HD CAPSCREW, 5/16-18X1-1/2, GR5	
11	8307004	1	LOCKWASHER, 5/16	
12	8750015	1	TWIN CLAMP SET, .67IN DIA	
13	8769123	1	TWIN COVER PLATE	
14	8750017	1	LOCKING PLATE FOR TWIN CLAMP **(SN 0160033308 through 0160039074)**	

FIGURE 4-5. FUEL SYSTEM (SN 0160039075 to Present)

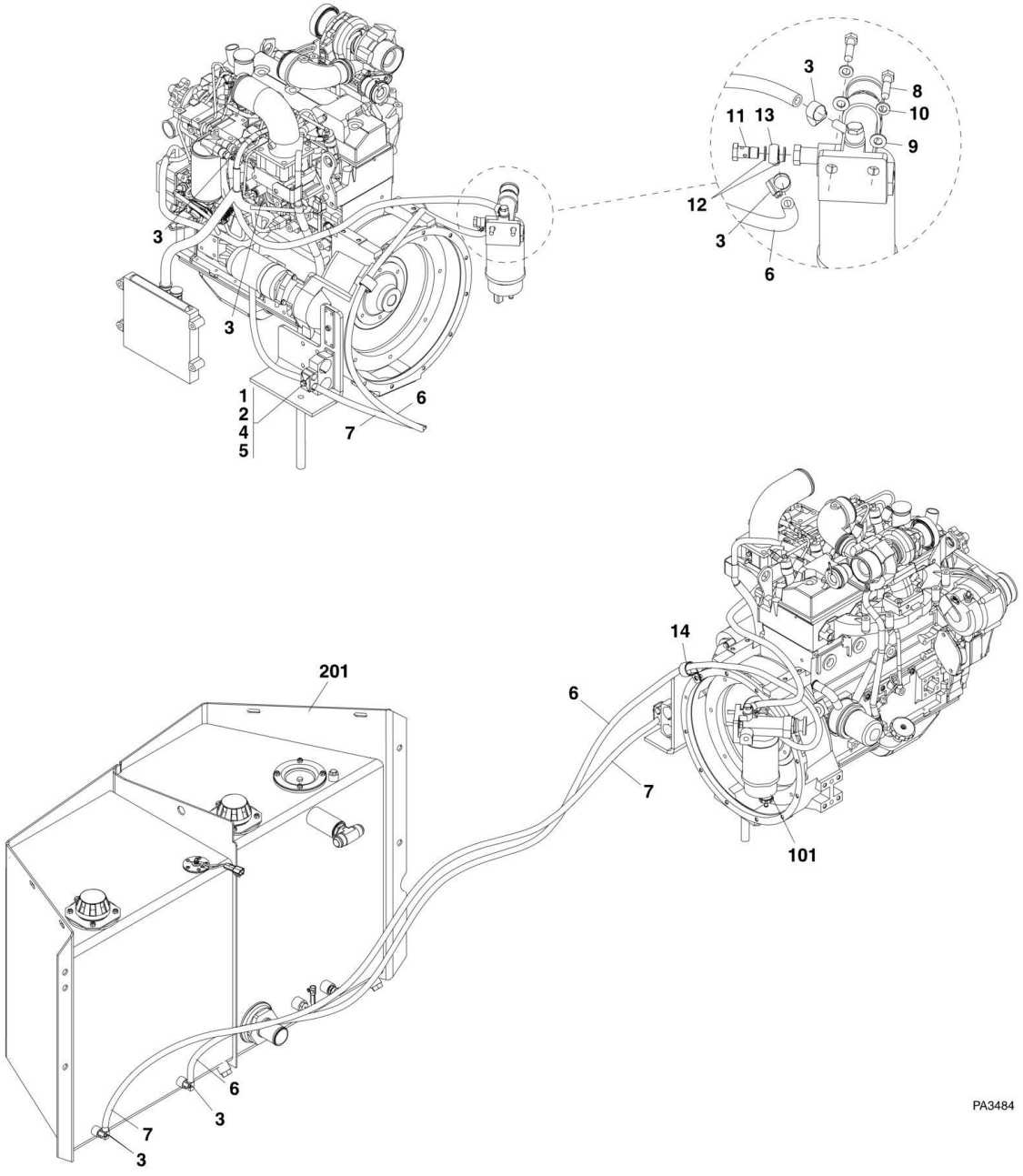


FIGURE 4-5. FUEL SYSTEM (SN 0160039075 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001097567	Ref	FUEL SYSTEM, (not available to order, see items 1 thru 14 for service)	B
1	8303715	1	HEX HD CAPSCREW, 5/16-18X1-1/2	
2	8307004	1	LOCKWASHER, 5/16	
3	8410013	6	CLAMP	
4	8750015	1	CLAMP SET	
5	8769123	1	COVER PLATE	
6	1001097568	1	FUEL HOSE	
7	1001097569	1	FUEL HOSE	
8	0641612	2	HEX HD CAPSCREW, 3/8-16X1-1/2, GR5	
9	4711600	2	FLAT WASHER, 3/8	
10	4761600	2	LOCKWASHER, 3/8	
11	1001102931	1	BOLT, 14MM	
12	1001102933	2	COPPER RING SEAL	
13	1001113511	1	ADAPTER	
14	8406302	1	HOSE CLAMP	
101	70021851	1	FUEL FILTER	
201		Ref	FUEL/HYDRAULIC TANK ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

FIGURE 4-6. RADIATOR AND OIL COOLER MOUNTING (SN 17019 through 19897, SN 0160002408 through 0160004109)

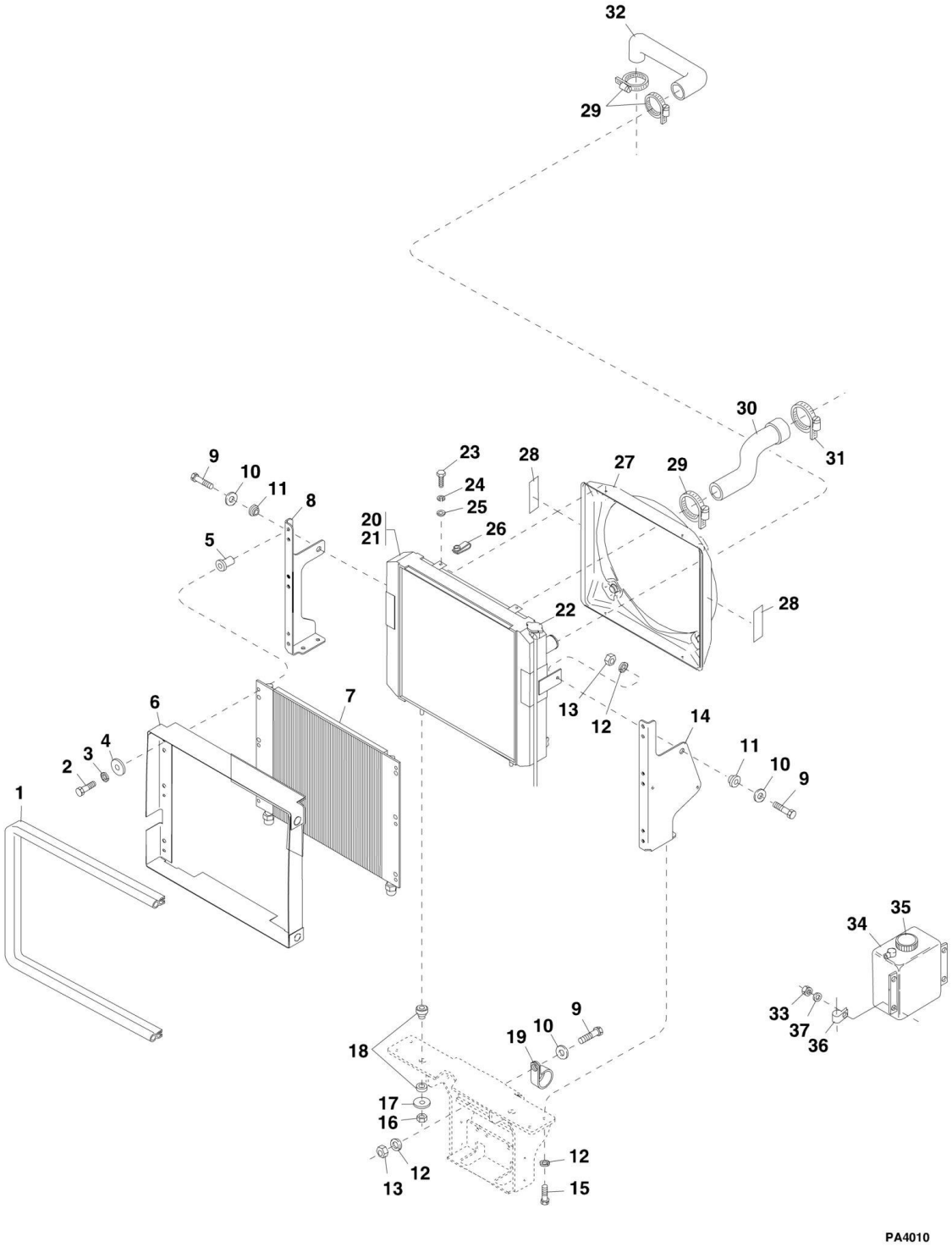


FIGURE 4-6. RADIATOR AND OIL COOLER MOUNTING (SN 17019 through 19897, SN 0160002408 through 0160004109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7139778	1	BULB SEAL	
2	8303743	6	HEX HD CAPSCREW, 1/4-20X1-1/2	
3	8307002	6	LOCKWASHER, 1/4	
4	8307202	6	FLAT WASHER, 1/4	
5	8580420	6	WELL NUT	
6	7139763	1	RADIATOR BAFFLE	
7	7129973	1	OIL COOLER	
8	7139447	1	L.H. RADIATOR BRACKET ASSY	
9	8303675	3	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
10	8307204	3	PLAIN WASHER, 3/8	
11	8278031	2	ISOLATOR RADIATOR MOUNT	
12	8307005	6	LOCKWASHER, 3/8	
13	8305008	2	HEX NUT, 3/8-16	
14	7139446	1	R.H. RADIATOR BRACKET ASSY	
15	8303620	4	HEX HD CAPSCREW, 3/8-16X1	
16	8305645	2	LOCKNUT, 3/8-16	
17	7057141	2	REBOUND WASHER	
18	8278008	2	RUBBER MOUNT	
19	8406302	1	HOSE CLAMP, 1-1/2 DIA	
20	8024029	1	RADIATOR ASSY KIT, (includes items 21 thru 27)	
21	N.S.S.	1	RADIATOR	
22	8180311	1	RADIATOR CAP, (13PSI)	
23	8303697	4	HEX HD CAPSCREW, 5/16-18X3/4, GR5	
24	8307004	4	LOCKWASHER, 5/16	
25	8307106	4	PLAIN WASHER, 5/16	
26	8036546	4	SPEED NUT, 5/16-18	
27	8024031	1	RADIATOR SHROUD, (includes item 28)	
28		Ref	MOVING PARTS WARNING DECAL, (See DECALS SECTION for Breakdown)	
29	8405104	3	HOSE CLAMP, 2-1/4	
30	7138515	1	LOWER RADIATOR HOSE	
31	8405203	1	HOSE CLAMP, 3	
32	7126703	1	UPPER RADIATOR HOSE	
33	8305624	2	HEX LOCKNUT, 1/4	
34	7085422	1	RADIATOR OVERFLOW TANK, (includes item 35)	
35	8866341	1	CAP WITH TETHER	
36	8406101	1	HOSE SUPPORT, 5/8	
37	8307109	2	FLAT WASHER, 1/4	

FIGURE 4-7. RADIATOR AND OIL COOLER MOUNTING (SN 0160004111 through 0160010804)

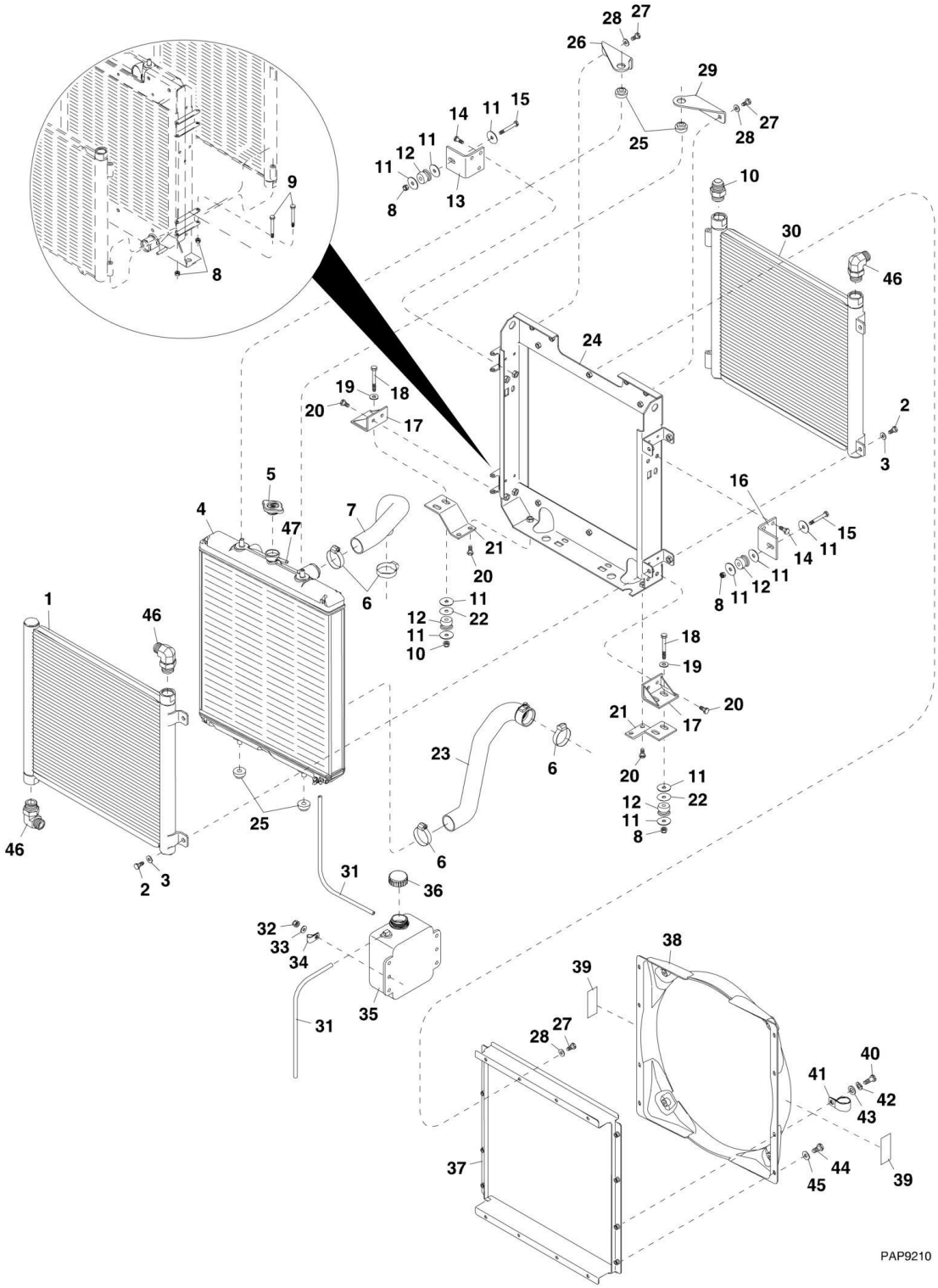


FIGURE 4-7. RADIATOR AND OIL COOLER MOUNTING (SN 0160004111 through 0160010804)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8180216	1	TRANSMISSION OIL COOLER ASSY	
2	8303798	8	HEX HD CAPSCREW, M10-1.5X25MM, PC8.8	
3	8307221	8	PLAIN WASHER, M10	
4	8036816	1	RADIATOR ASSY	
5	8180311	1	RADIATOR PRESSURE CAP, 13PSI	
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, .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	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 for replacement) **(SN 0160010812 through 0160039074)**	
38		Ref	RADIATOR SHROUD, (includes item 39), (no longer available, use kit 2915054 on RADIATOR AND OIL COOLER MOUNTING for replacement) **(SN 0160010812 through 0160039074)**	
39		Ref	MOVING PARTS WARNING DECAL, (See DECALS SECTION for Breakdown)	
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, .312X.344X.688X.065	
46	2131216	3	ELBOW, 90	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	70023968	1	DRAIN HOSE	

FIGURE 4-8. RADIATOR AND OIL COOLER MOUNTING (SN 0160010805 through 0160039074)

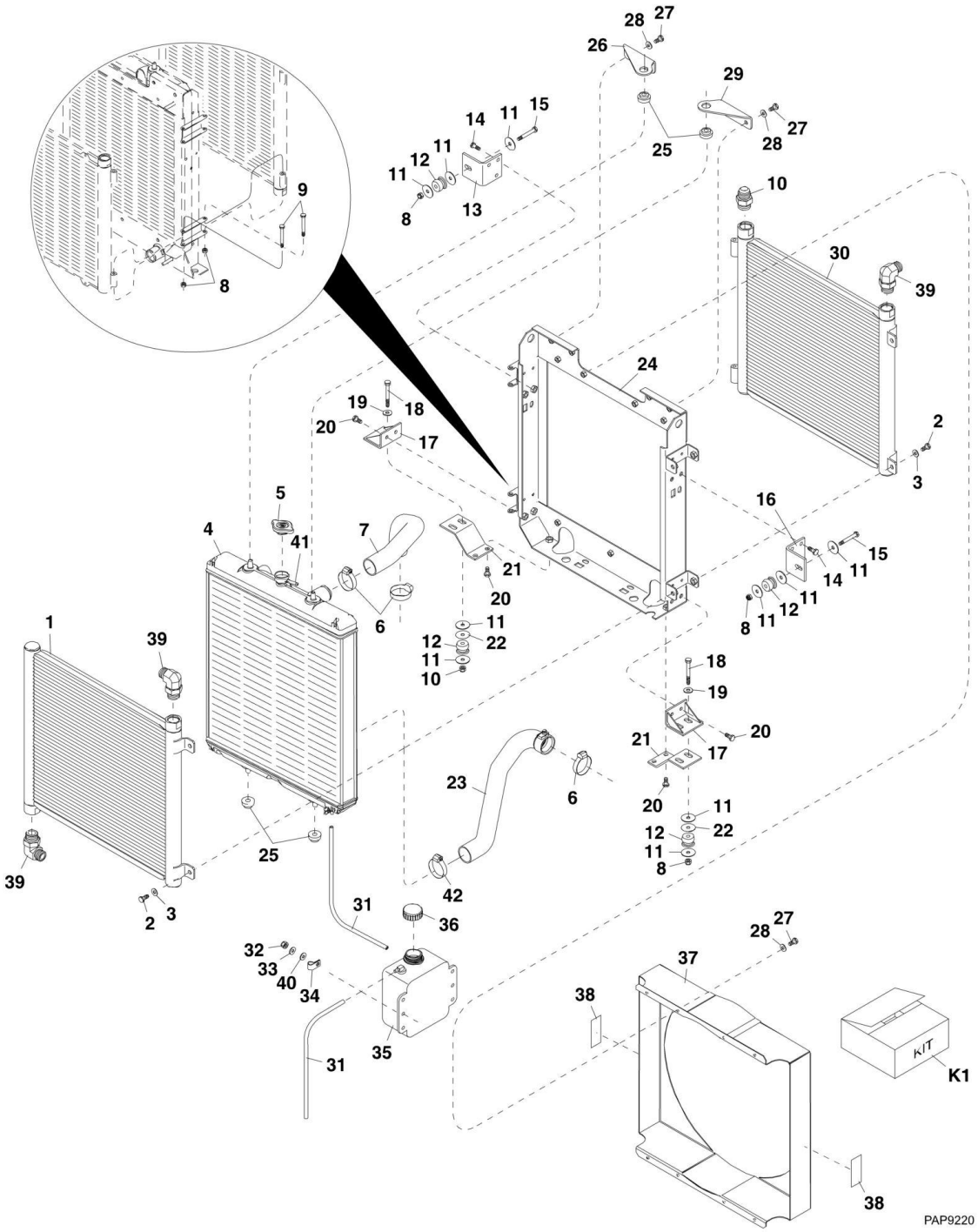


FIGURE 4-8. RADIATOR AND OIL COOLER MOUNTING (SN 0160010805 through 0160039074)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3620059	Ref	RADIATOR ASSY, (includes items 1 thru 4, 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, 13PSI	
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, .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 LOCKNUT, 1/4-20	
33	8307024	2	LOCK WASHER, M6, (Metric)	
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	PLAIN 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)	

FIGURE 4-9. RADIATOR AND OIL COOLER MOUNTING (SN 0160039075 to Present)

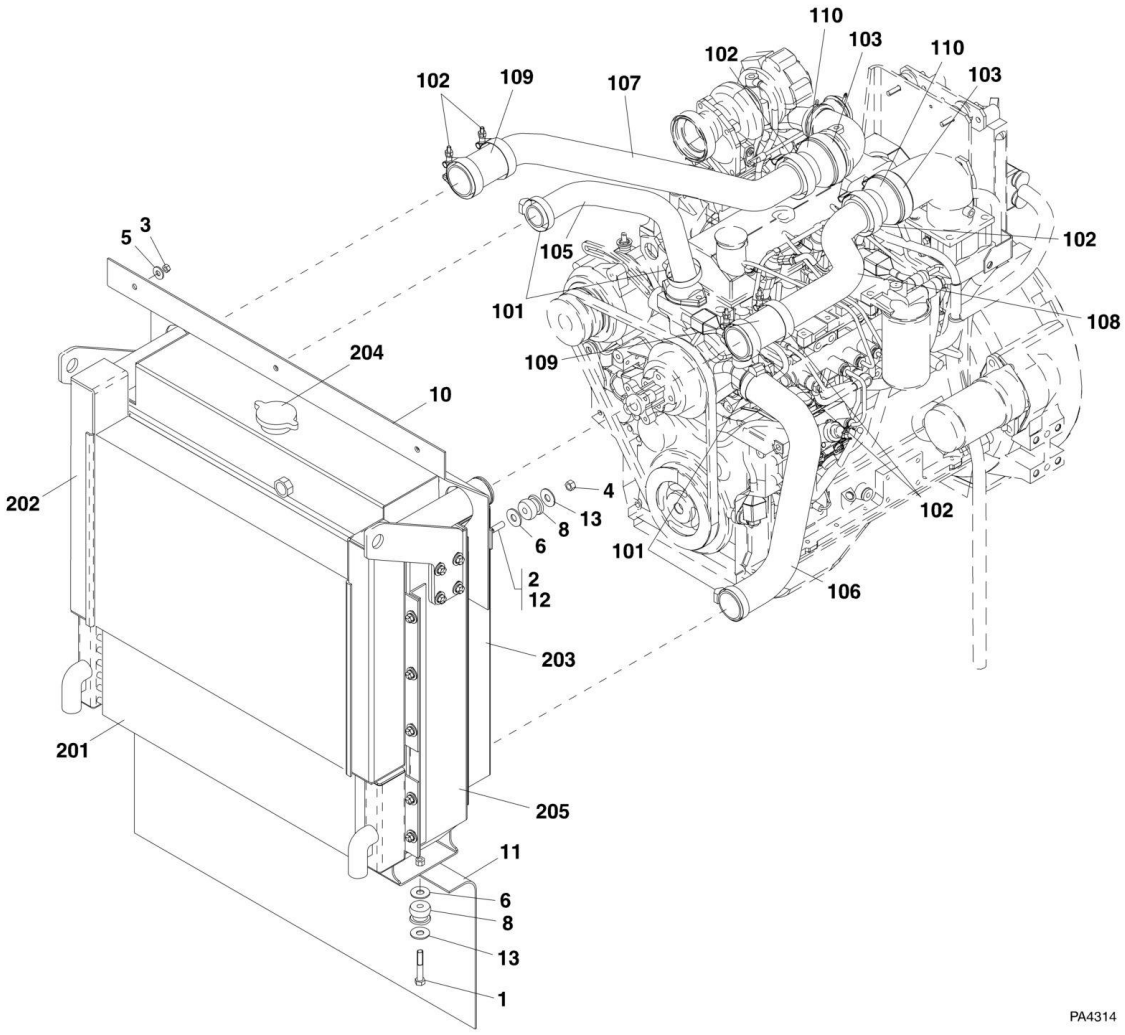


FIGURE 4-9. RADIATOR AND OIL COOLER MOUNTING (SN 0160039075 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001096431	1	RADIATOR ASSY, (includes items 1 thru 13)	B
1	0641618	2	HEX HD CAPSCREW, 3/8-16X2-1/4, GR5	
2	0641616	2	HEX HD CAPSCREW, 3/8-16X2, GR5	
3	3311401	3	LOCKNUT, 1/4-20, GR2	
4	3311605	2	LOCKNUT, 3/8-16, GR2	
5	4740362	3	FENDER WASHER, 1/4	
6	4751700	4	FLAT WASHER, 7/16	
8	8278020	4	MOUNT	
9	1001096432	1	RADIATOR ASSY, (includes items 201 thru 205)	E
10	1001102212	1	UPPER RUBBER AIR DAM	
11	1001102213	1	LOWER RUBBER AIR DAM	
12	4751600	2	FLAT WASHER, 3/8	
13	7057141	4	REBOUND WASHER	
	1001096434	Ref	ENGINE COOLANT PLUMBING INSTALLATION, (not available to order, see items 101 thru 110 for service)	D
101	8405104	4	CLAMP, (torque to 60 lb-ft)	
102	8405209	6	HEAVY DUTY BAND CLAMP, (torque to 60 lb-ft)	
103	91163129	2	HEAVY DUTY BAND CLAMP, (torque to 60 lb-ft)	
105	1001096435	1	UPPER RADIATOR HOSE	
106	1001096436	1	LOWER RADIATOR HOSE	
107	1001097564	1	PIPE	
108	1001097565	1	PIPE	
109	91563070	2	COUPLING	
110	1001098972	2	REDUCER	
201	70022692	1	HYDRAULIC OIL COOLER	
202	70022693	1	CAC ASSY	
203	70023599	1	SHROUD	
204	70022695	1	RADIATOR CAP	
205	70022696	1	RADIATOR	

FIGURE 4-10. AIR CLEANER ASSEMBLY (SN 17019 through 19897, SN 0160002408 through 0160004109)

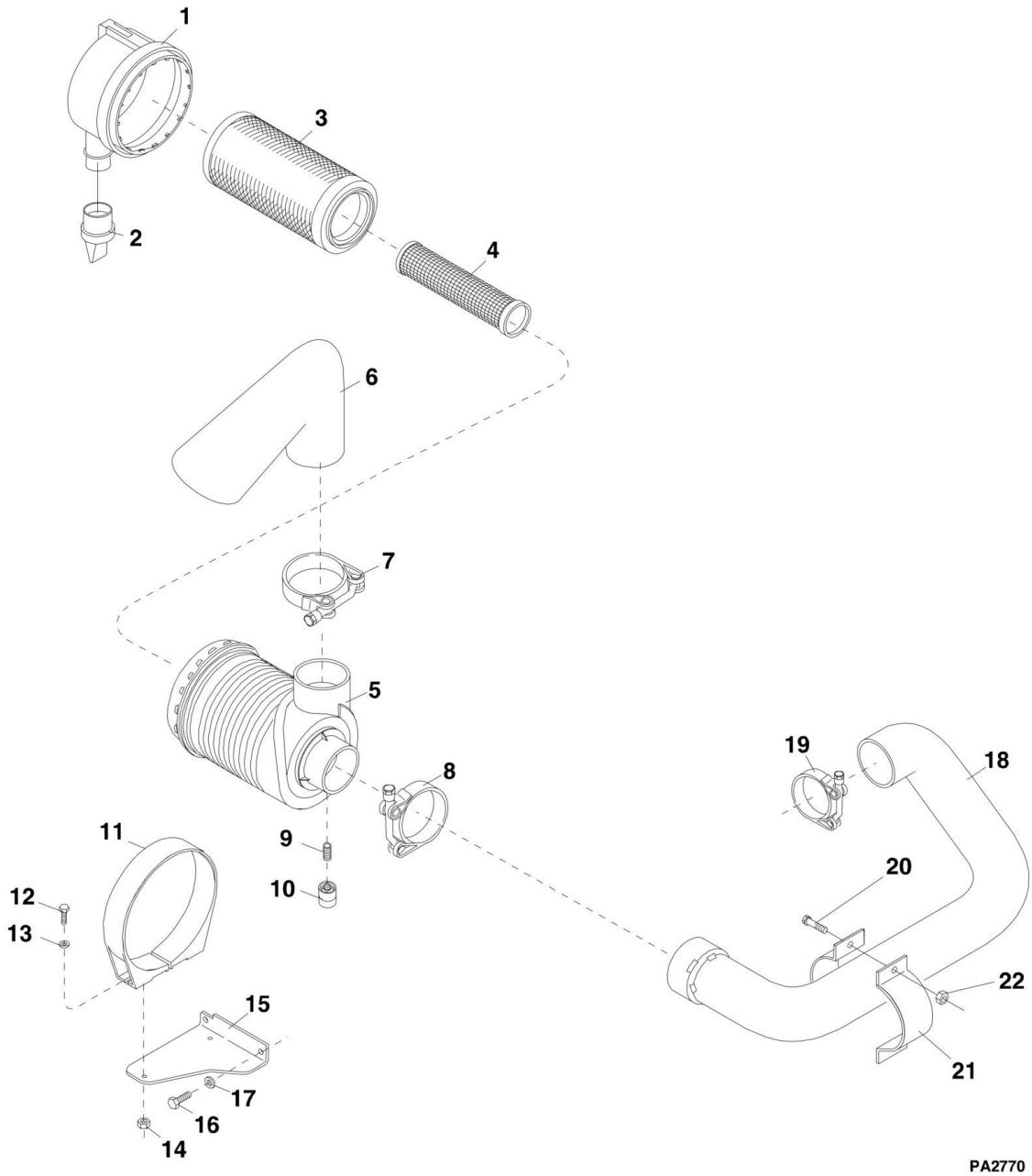


FIGURE 4-10. AIR CLEANER ASSEMBLY (SN 17019 through 19897, SN 0160002408 through 0160004109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8273027	1	AIR CLEANER ASSY, (includes items 1 thru 5)	AB
1	8036745	1	END COVER	
2	8032398	1	VACUATOR VALVE	
3	8035098	1	PRIMARY ELEMENT	
4	8035099	1	SAFETY ELEMENT	
5	N.S.S.	1	AIR CLEANER BODY	
6	7097323	1	AIR INTAKE SCOOP	
7	8405404	1	T-BOLT BAND CLAMP, 4.38 I.D.	
8	8405505	1	T-BOLT BAND CLAMP, 4.06 I.D.	
9	8551001	1	NIPPLE, #2 DIAX3/4 LG	
10	8273241	1	AIR INTAKE RESTRICTION INDICATOR	
11	8273303	1	AIR CLEANER MOUNTING BAND	
12	8303739	2	HEX HD CAPSCREW, 5/16-18X1-1/4, GR5	
13	8307203	2	FLAT WASHER, 5/16	
14	8305626	2	HEX LOCKNUT, 5/16	
15	7139553	1	AIR CLEANER BRACKET	
16	8303618	2	HEX HD CAPSCREW, M12X25MM	
17	8307025	2	LOCKWASHER, M121	
18	7095393	1	AIR INTAKE HOSE	
19	8405305	1	T-BOLT BAND CLAMP, 3.38 I.D.	
20	8303670	2	HEX HD CAPSCREW, 5/16-18X1	
21	7301006	2	HEAT SHIELD	
22	8310453	2	NUT, 5/16-18	

FIGURE 4-11. AIR CLEANER ASSEMBLY (SN 0160004111 through 0160039074)

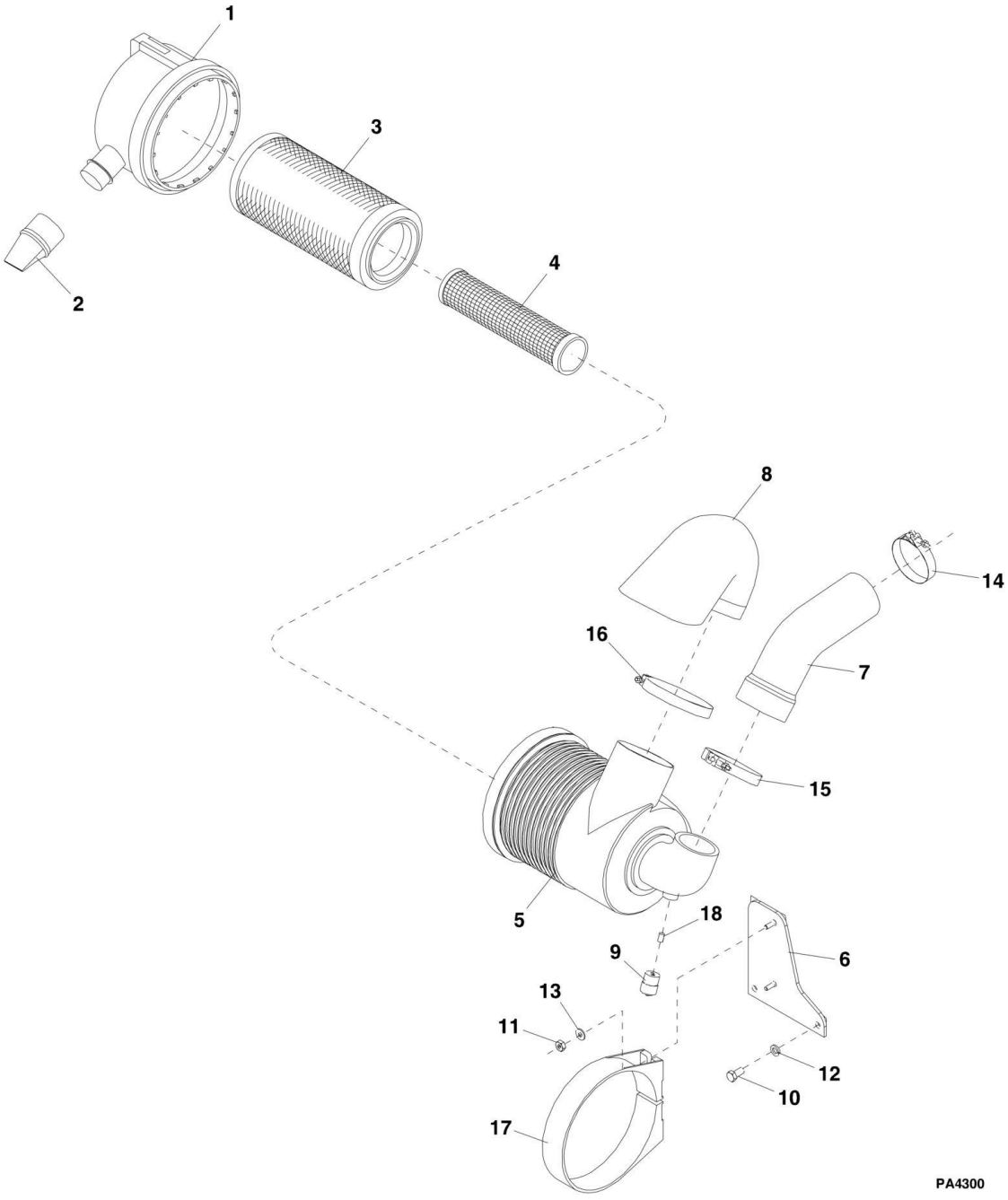


FIGURE 4-11. AIR CLEANER ASSEMBLY (SN 0160004111 through 0160039074)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	10268515	1	AIR CLEANER ASSY, (includes items 1 thru 5)	C
1	91364023	1	COVER ASSY	
2	80373094	1	VACUATOR VALVE	
3	1101312	1	PRIMARY ELEMENT	
4	1101313	1	SAFETY ELEMENT	
5	N.S.S.	1	AIR CLEANER BODY	
6	4340812	1	AIR CLEANER MOUNT	
7	2720549	1	AIR CLEANER HOSE	
8	7300972	1	AIR INTAKE SCOOP	
9	8273241	1	AIR INTAKE RESTRICTION INDICATOR	
10	8303618	2	HEX HD CAPSCREW, M12X1.75X25mm, PC8.8	
11	8305626	2	HEX LOCKNUT, 5/16-18	
12	8307025	2	LOCKWASHER, M12	
13	8307203	2	PLAIN WASHER, 5/16	
14	8405305	1	T-BOLT CLAMP, 3.38 I.D.	
15	8405505	1	T-BOLT CLAMP	
16	8410021	1	T-BOLT CLAMP, 5.00 I.D.	
17	10268516	1	MOUNTING BAND	
18	8551001	1	NIPPLE, #2 DIAX3/4 LG	

FIGURE 4-12. AIR CLEANER ASSEMBLY (SN 0160039075 to Present)

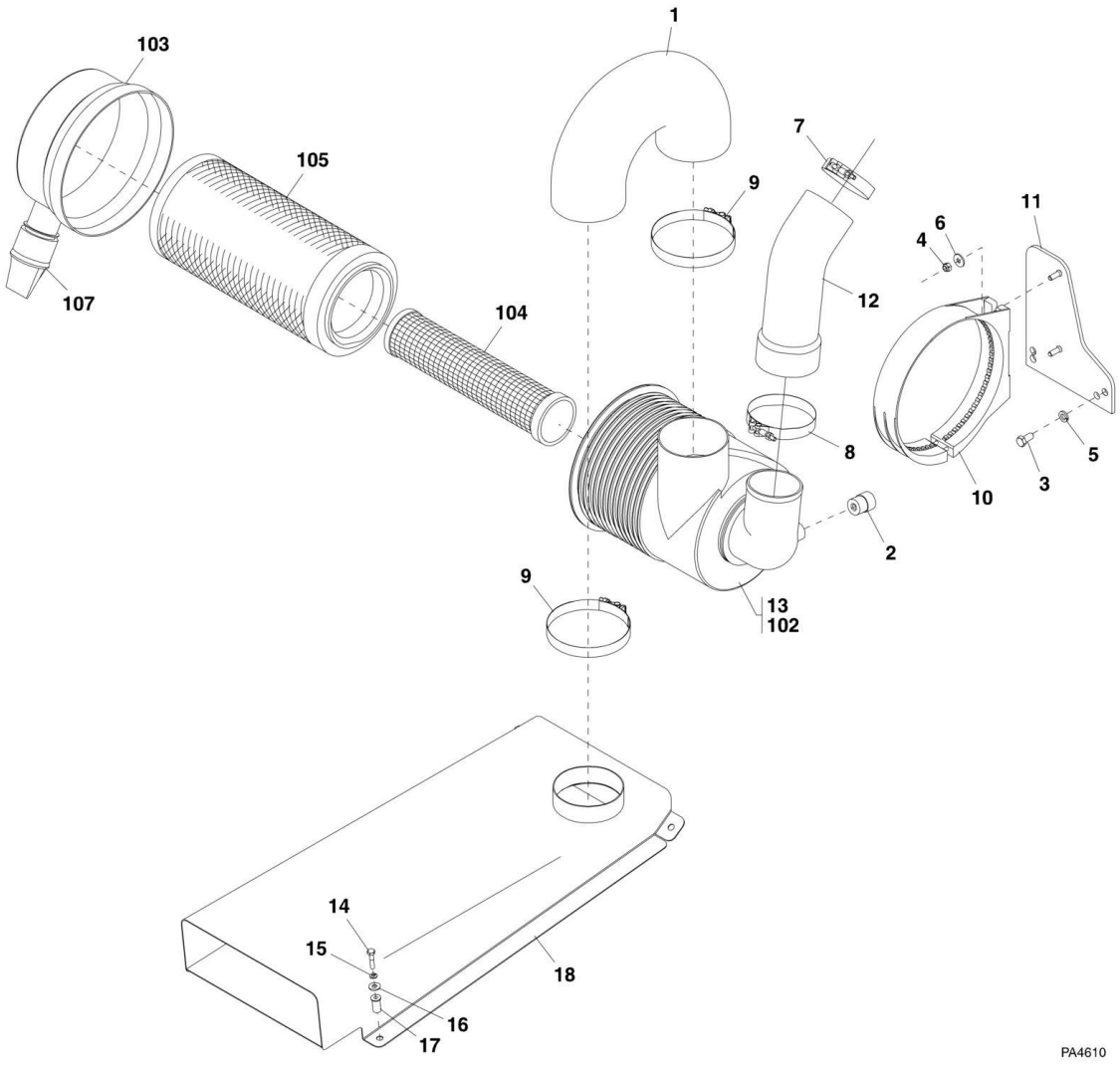


FIGURE 4-12. AIR CLEANER ASSEMBLY (SN 0160039075 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001096427	1	AIR INTAKE INSTALL, (includes items 1 thru 18)	C
1	1001102277	1	ELBOW, 180	
2	8273241	1	AIR INTAKE RESTRICTION INDICATOR	
3	8310668	2	BUTTON HD CAPSCREW, 10-1.2X25MM, GR10.9	
4	8305626	2	HEX LOCKNUT, .312-18	
5	83191013	2	LOCKWASHER, 10MM	
6	8307203	2	WASHER, .312	
7	8405305	1	CLAMP	
8	8405505	1	CLAMP	
9	8410021	2	CLAMP	
10	10268516	1	MOUNTING BAND	
11	1001096484	1	AIR CLEANER SUPPORT	
12	1001098977	1	AIR INTAKE PIPE	
13	10268515	1	AIR CLEANER, (includes items 102 thru 107)	C
14	8303615	4	HEX HD CAPSCREW, .250-20X1.25, GR5	
15	8307002	4	LOCKWASHER, .250	
16	8307202	4	WASHER, .250	
17	8580420	4	WELL NUT	
18	1001102214	1	AIR INTAKE DUCT	
102	N.S.S.	1	AIR CLEANER BODY	
103	91364023	1	COVER ASSY	
104	1101313	1	SAFETY ELEMENT	
105	1101312	1	PRIMARY ELEMENT	
107	80373094	1	VACUATOR VALVE	

FIGURE 4-13. EXHAUST SYSTEM (SN 17019 through 19897, SN 0160002408 through 0160004109)

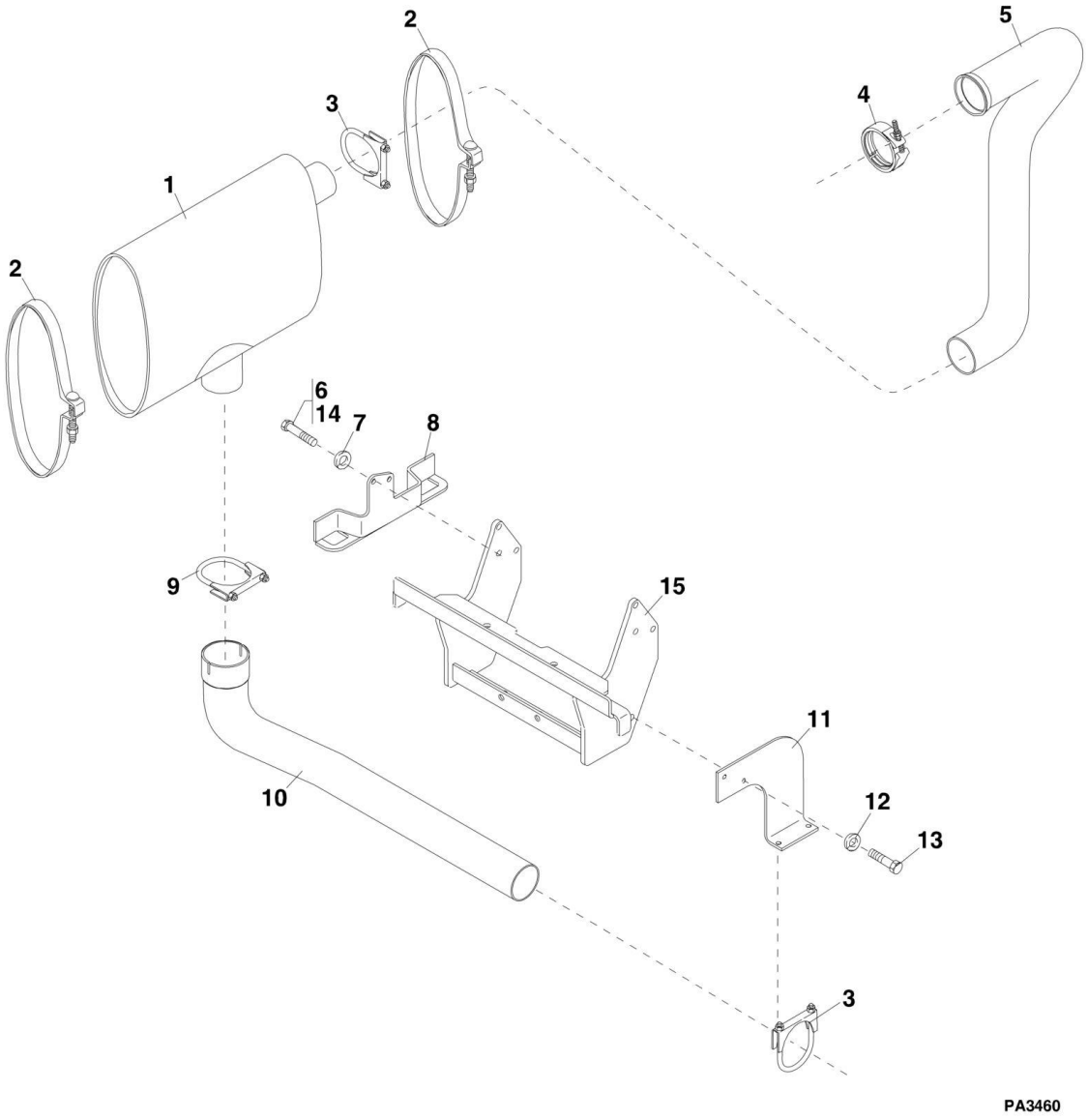


FIGURE 4-13. EXHAUST SYSTEM (SN 17019 through 19897, SN 0160002408 through 0160004109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7150642	1	MUFFLER	
2	7126992	2	BAND CLAMP, 5X11	
3	8275247	2	MUFFLER CLAMP, 3	
4	8275240	1	V BAND CLAMP	
5	7138871	1	EXHAUST PIPE	
6	8303519	2	HEX HD CAPSCREW, M12X1.75X35MM	
7	8307220	2	PLAIN WASHER, M12	
8	7138318	1	MUFFLER BRACKET	
9	8275248	1	MUFFLER CLAMP, 2-3/4	
10	7138816	1	TAIL PIPE	
11	7138815	1	EXHAUST PIPE MOUNTING BRACKET	
12	8307005	2	LOCKWASHER, 3/8	
13	8303675	2	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
14	0100011	AR	LOCTITE 242, (apply to item 6)	
15		Ref	ENGINE MOUNT, (See ENGINE MOUNTING for Breakdown)	

FIGURE 4-14. EXHAUST SYSTEM (SN 0160004111 through 0160035347)

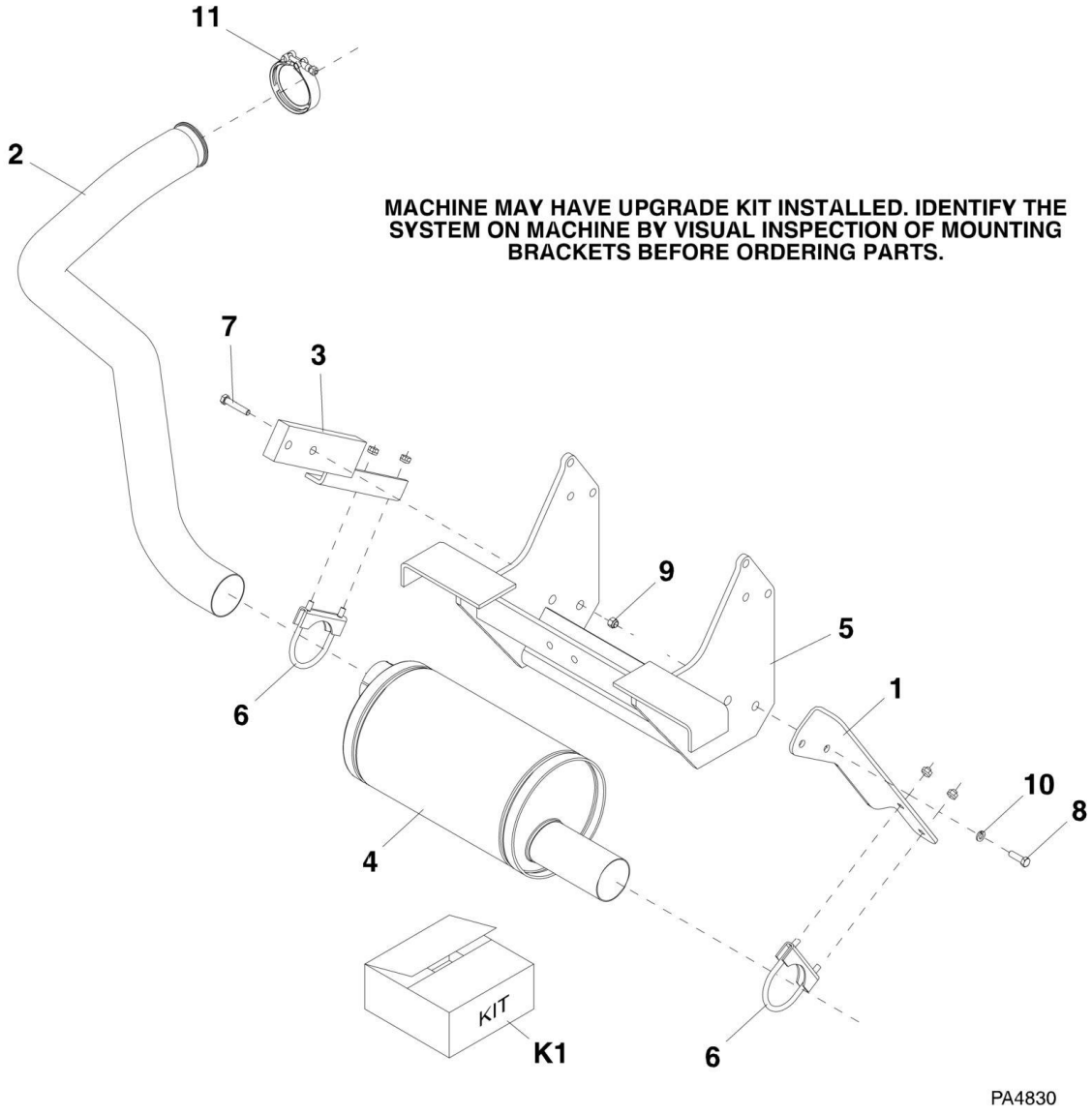


FIGURE 4-14. EXHAUST SYSTEM (SN 0160004111 through 0160035347)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7302304	1	EXHAUST BRACKET	
2	7301505	1	EXHAUST PIPE	
3	7301506	1	MOUNTING BRACKET	
4	8275045	1	ROUND MUFFLER	
5		Ref	ENGINE MOUNT, (See ENGINE MOUNTING for Breakdown)	
6	8275247	2	MUFFLER CLAMP, 3IN	
7	0641718	2	HEX HD CAPSCREW, 7/16-14X2 1/4, GR5, (torque to 35-45 lb-ft)	
8	8303675	2	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5, (torque to 7.5-13.5 lb-ft)	
9	8310109	2	HEX LOCKNUT, 7/16-14	
10	8307005	2	LOCKWASHER, 3/8	
11	77384830	1	V BAND CLAMP	
K1	1001102305	1	EXHAUST UPGRADE KIT, (See OPTIONS SECTION for Breakdown)	

FIGURE 4-15. EXHAUST SYSTEM (SN 0160035348 through 0160039074)

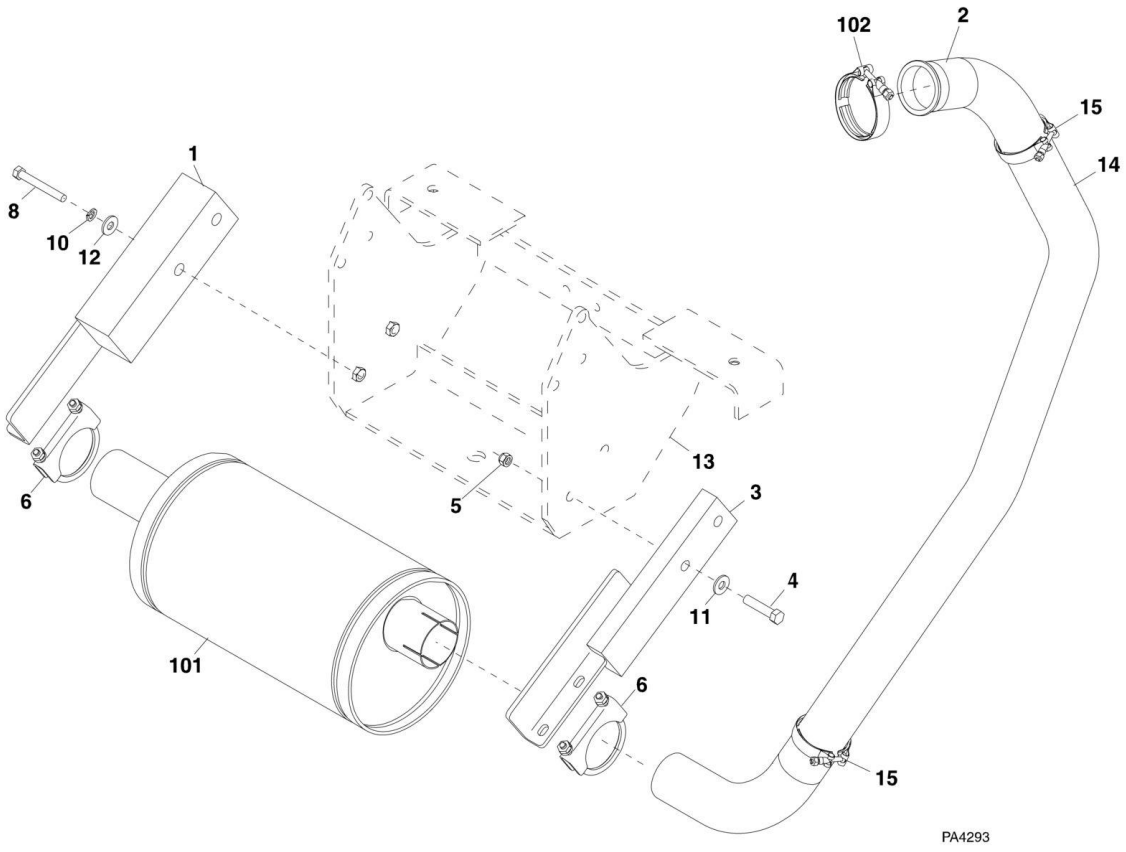


FIGURE 4-15. EXHAUST SYSTEM (SN 0160035348 through 0160039074)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7301498	Ref	EXHAUST INSTALLATION, (includes items 1 thru 12 & 14 thru 15)	I
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	4751700	2	WASHER, 7/16	
12	4751600	2	WASHER, 3/8	
13		Ref	ENGINE MOUNT, (See ENGINE MOUNTING for Breakdown)	
14	1001101193	2 ft	FIBER GLASS SLEEVE, (sold by the foot)	
15	8405202	2	GEAR CLAMP	
101	1001100978	1	ROUND MUFFLER	
102	77384830	1	V BAND CLAMP	

FIGURE 4-16. EXHAUST SYSTEM (SN 0160039075 to Present)

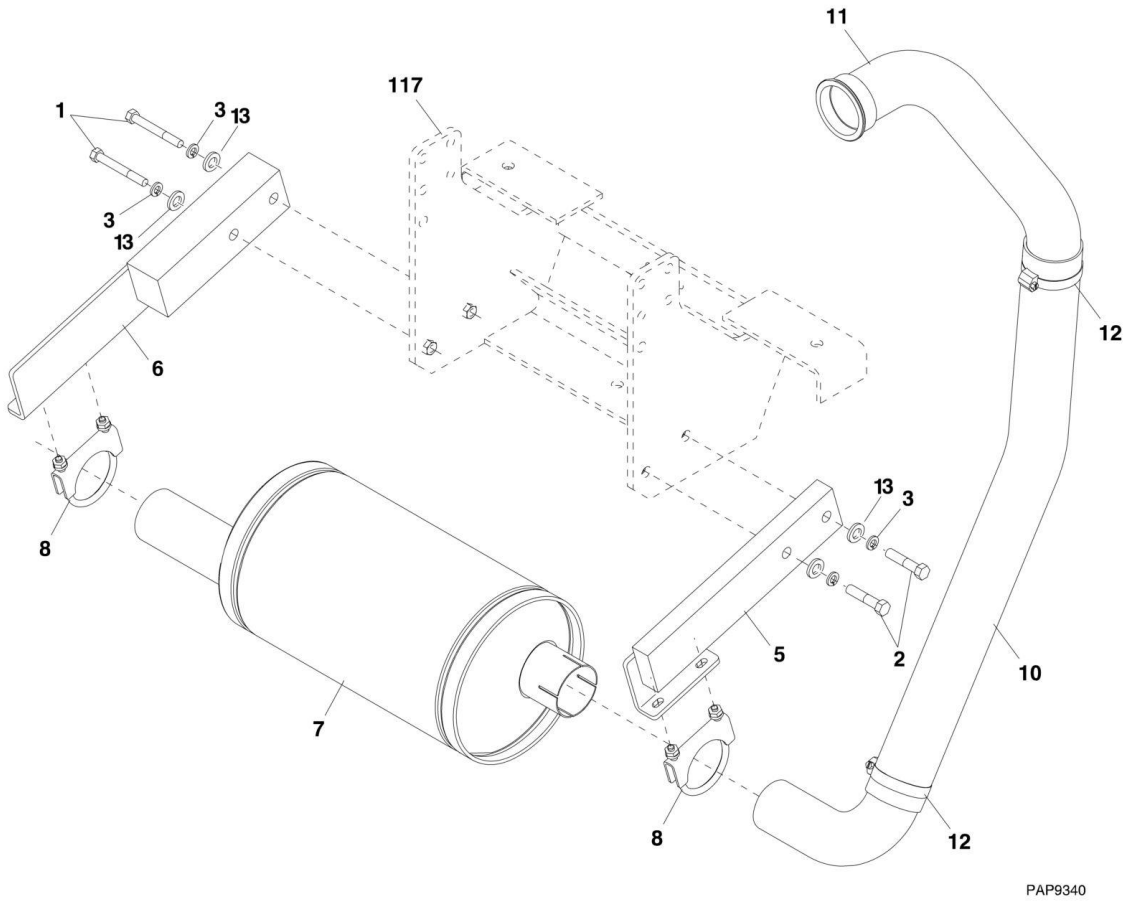


FIGURE 4-16. EXHAUST SYSTEM (SN 0160039075 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001096425	1	EXHAUST INSTALL, (includes items 1 thru 13)	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, .375	
5	1001114012	1	EXHAUST BRACKET	
6	1001114013	1	EXHAUST BRACKET	
7	1001100978	1	ROUND MUFFLER	
8	83683175	2	MUFFLER CLAMP	
10	1001101193	29 in	FIBER GLASS SLEEVE, (sold by the foot)	
11	1001114040	1	EXHAUST PIPE	
12	8405202	2	GEAR CLAMP	
13	4751600	4	WASHER, 3/8	
117		Ref	ENGINE MOUNT, (See ENGINE MOUNTING for Breakdown)	

FIGURE 4-17. ISOLATION COUPLER (SN 17019 through 19798)

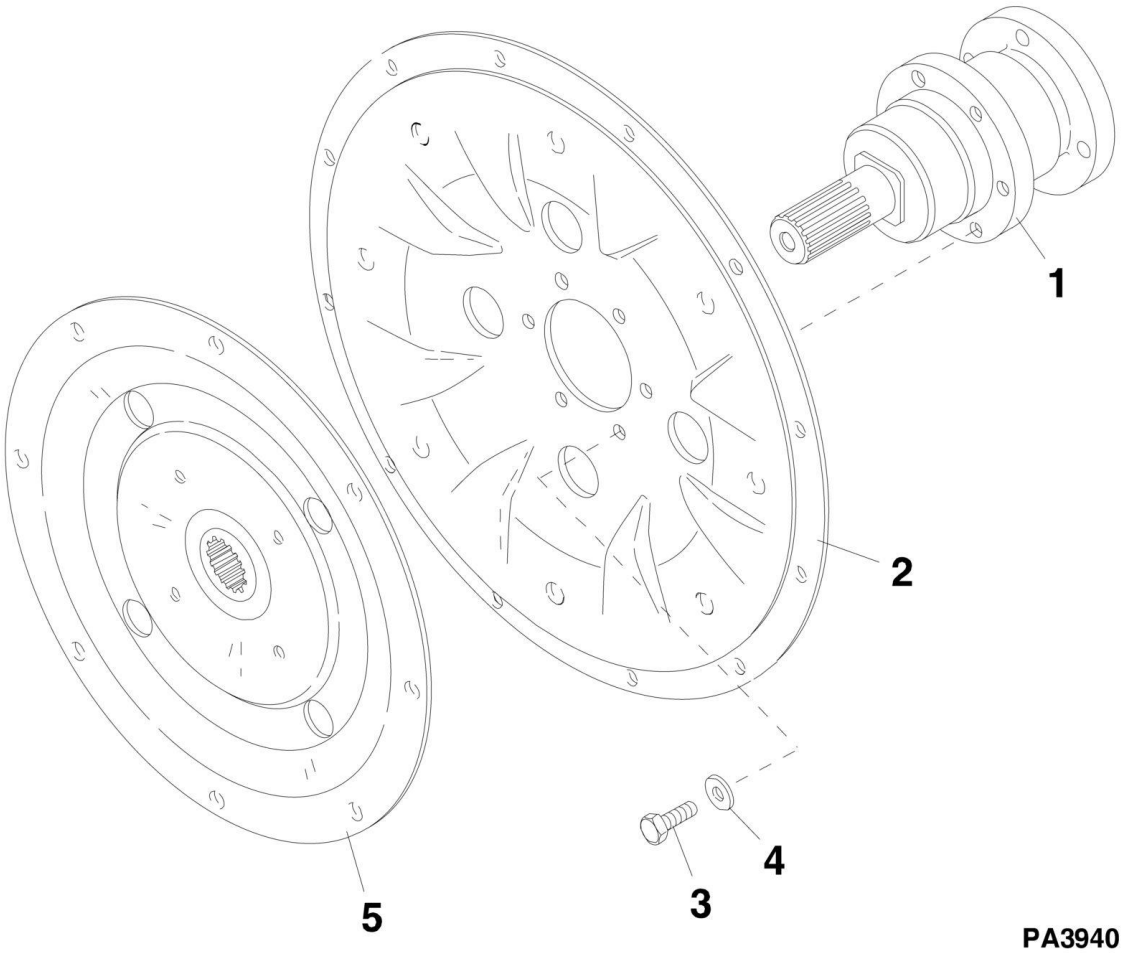


FIGURE 4-17. ISOLATION COUPLER (SN 17019 through 19798)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7137643	1	ISOLATION COUPLER ASSY, (includes all items)	AA
1	8035555	1	SHAFT AND BEARING ASSY	
2	8035556	1	PROTECTIVE HOUSING	
3	8035557	6	HEX HD BOLT, M10X25MM	
4	8035558	6	FLAT WASHER, M10	
5	8035559	1	TORSION COUPLING ELEMENT	

FIGURE 4-18. ISOLATION COUPLER (SN 19797 through 19897, SN 0160002408 through 0160004109)

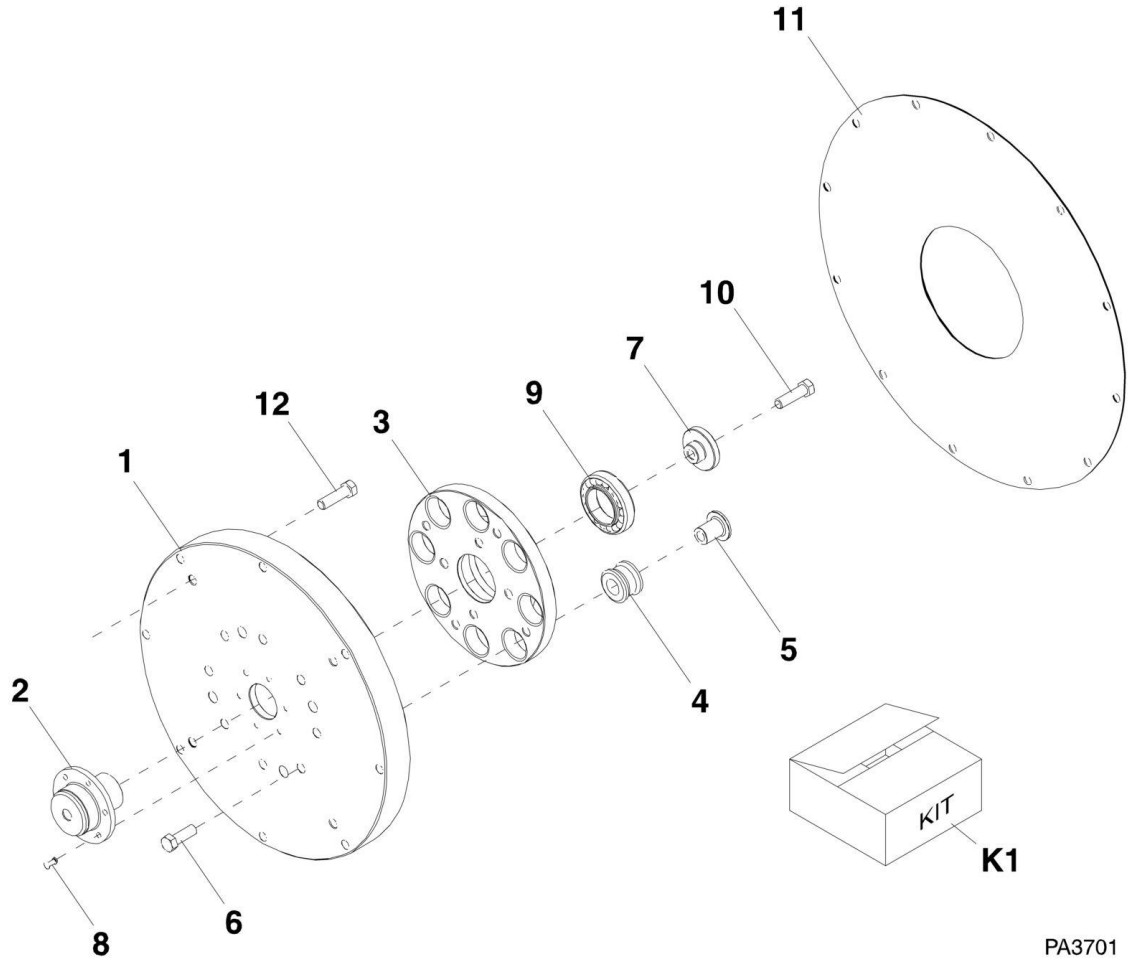


FIGURE 4-18. ISOLATION COUPLER (SN 19797 through 19897, SN 0160002408 through 0160004109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841318	1	ISOLATION COUPLER ASSY, (includes all items)	AA
1	N.S.S.	1	FLYWHEEL PLATE, (not sold separately, use 8841318 for replacement)	
2	N.S.S.	1	PILOT, (not sold separately, use 8841318 for replacement)	
3	7029264	1	COUPLING HUB	
4	Kit K1	8	NEOPRENE INSERT	
5	Kit K1	8	THREADED BUSHING	
6	Kit K1	8	BOLT, 7/16-20X1-1/4	
7	Kit K1	1	BUSHING	
8	N.S.S.	6	FLANGE HD RIVET, 1/4X1	
9	N.S.S.	1	BALL BEARING, (not sold separately, use 8841318 for replacement)	
10	Kit K1	5	HEX HD BOLT, 7/16-20X1-1/2	
11	7029265	1	COVER PLATE	
12	0761015	4	HEX HD BOLT, M10X1.5X35MM	
K1	70020228	1	ISOLATION COUPLER SERVICE KIT, (includes items 4, 5, 6, 7 & 10)	

FIGURE 4-19. ISOLATION COUPLER (SN 0160004111 to Present)

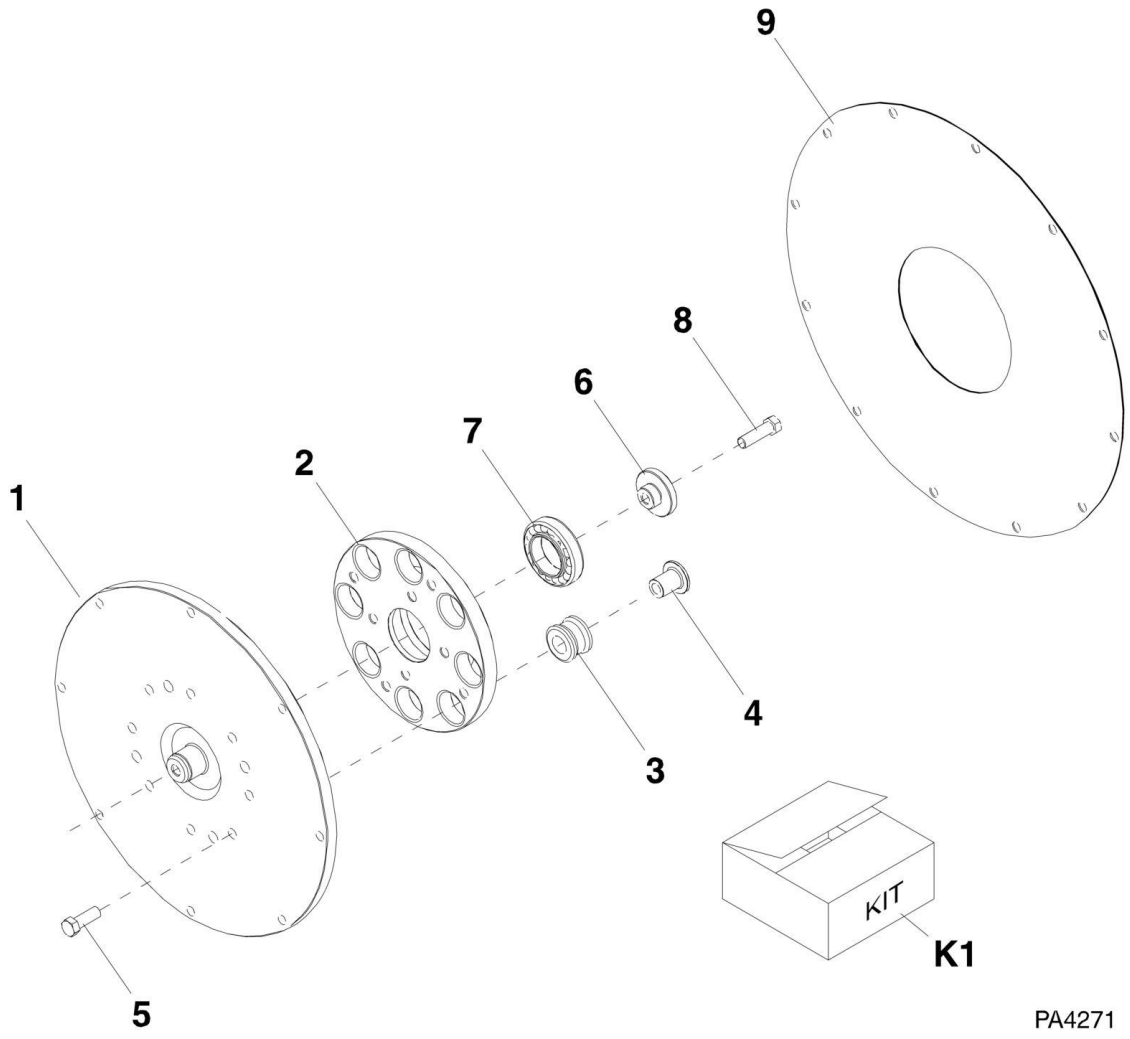


FIGURE 4-19. ISOLATION COUPLER (SN 0160004111 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8841319	1	ISOLATION COUPLER ASSY, (includes all items)	AA
1	N.S.S.	1	FLYWHEEL PLATE, (not sold separately, use 8841319 for replacement)	
2	7029264	1	COUPLING HUB	
3	Kit K1	8	NEOPRENE INSERT	
4	Kit K1	8	THREADED BUSHING	
5	Kit K1	8	HEX HD BOLT, 7/16-20X1-1/4	
6	Kit K1	1	BUSHING	
7	N.S.S.	1	BALL BEARING, (not sold separately, use 8841319 for replacement)	
8	Kit K1	5	HEX HD BOLT, 7/16-20X1-1/2	
9	7029265	1	COVER PLATE	
K1	70020228	1	ISOLATION COUPLER SERVICE KIT, (includes items 3 thru 6 & 8)	

FIGURE 4-20. COLD START INSTALLATION (SN 17019 through 19897, SN 0160002408 through 0160004109)

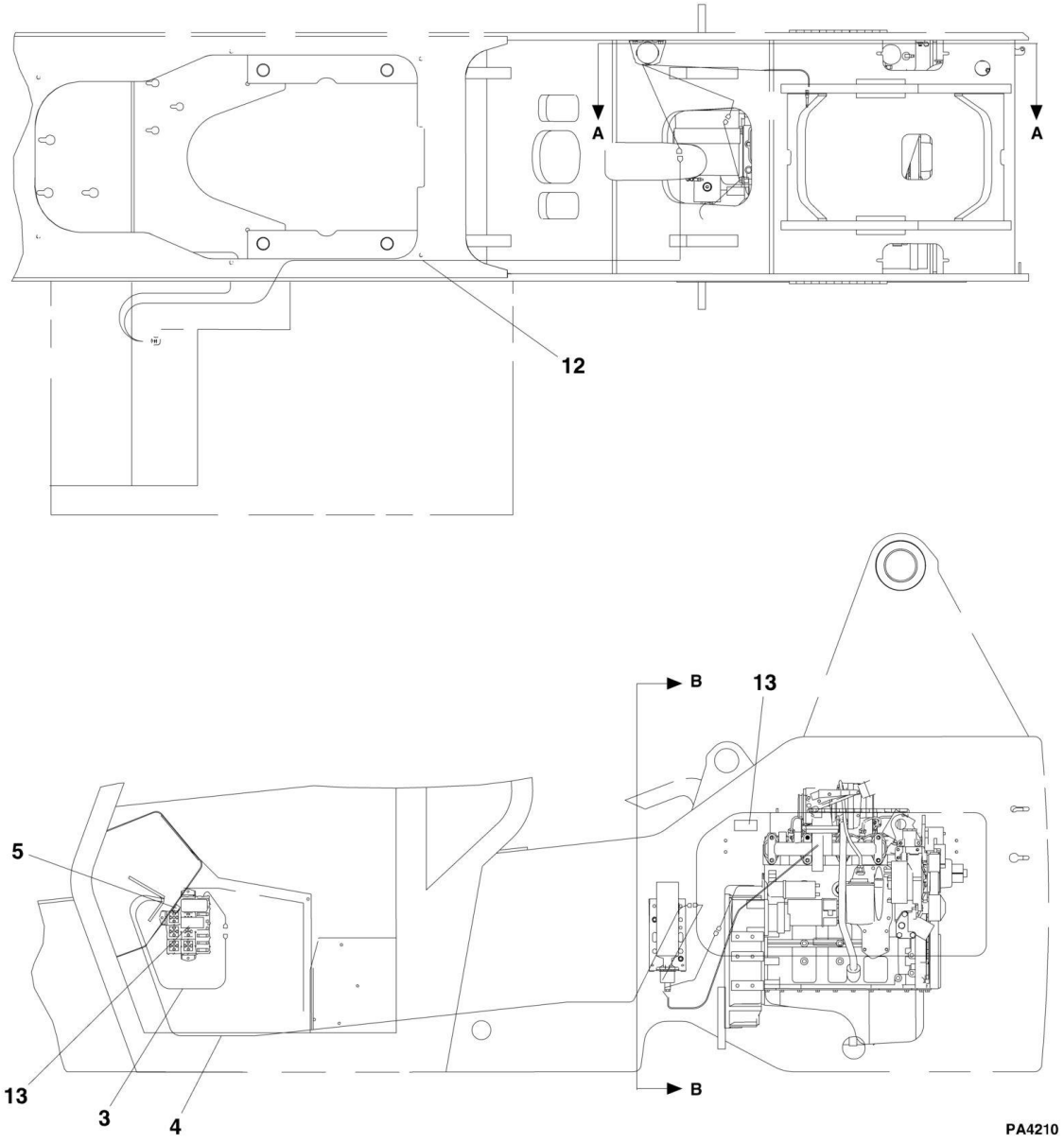
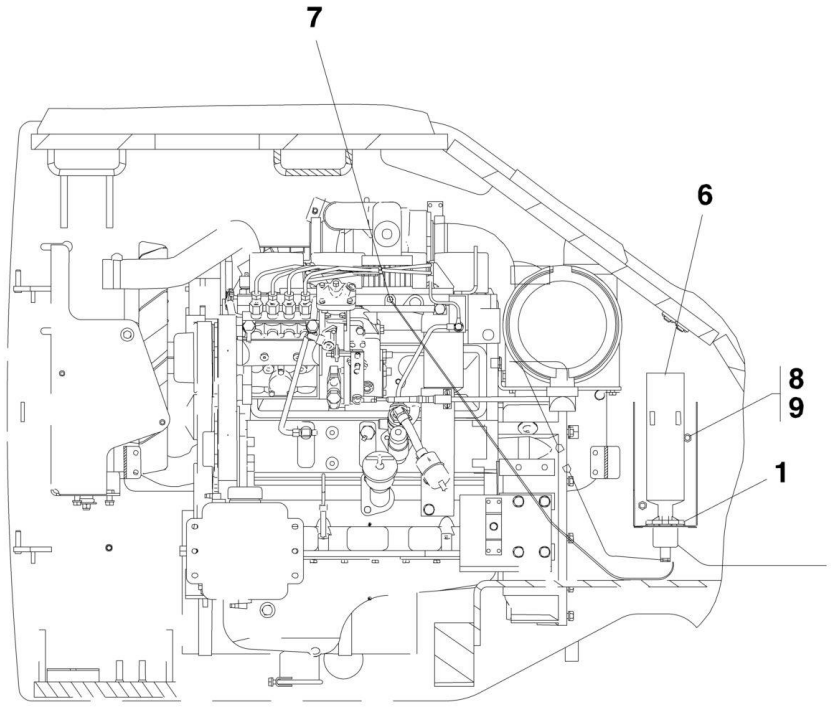
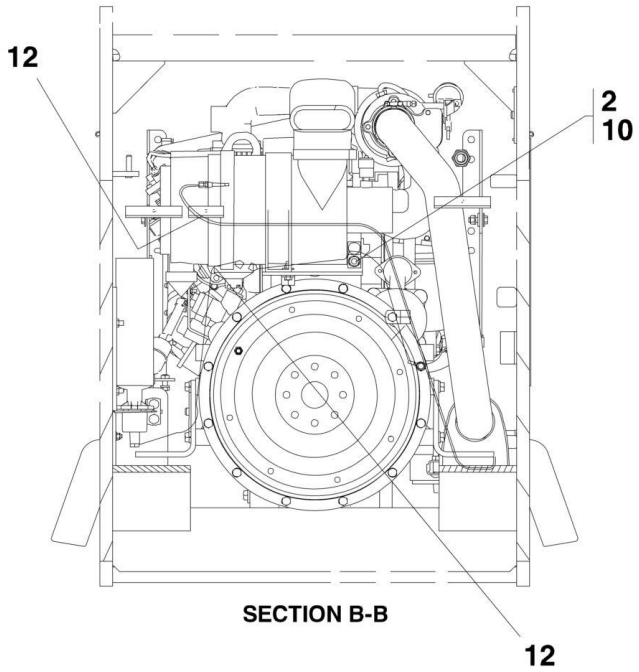


FIGURE 4-21. COLD START INSTALLATION (SN 17019 through 19897, SN 0160002408 through 0160004109)



SECTION A-A



SECTION B-B

PA4220

FIGURE 4-21. COLD START INSTALLATION (SN 17019 through 19897, SN 0160002408 through 0160004109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7300908	1	COLD START INSTALLATION, (includes all items)	AB
1	7138529	1	ETHER START ASSY	
2	7139254	1	THERMOSTAT ASSY	
3	7139257	1	WIRE ASSY	
4	7139258	1	WIRE ASSY	
5	8580311	1	WEATHER PROOF CAP AND NUT ASSY	
6	8277098	1	ETHER FLUID CYLINDER	
7	8277101	1	ATOMIZER	
8	8305008	2	HEX NUT, 3/8-16	
9	8307005	2	LOCKWASHER, 3/8	
10	8310300	1	SHIM WASHER, .625X.048X1	
12	8584001	4	PLASTIC TIE WRAP	
13	4110253	2	COLD START OPTION DECAL	

FIGURE 4-22. COLD START INSTALLATION (SN 0160004111 to Present)

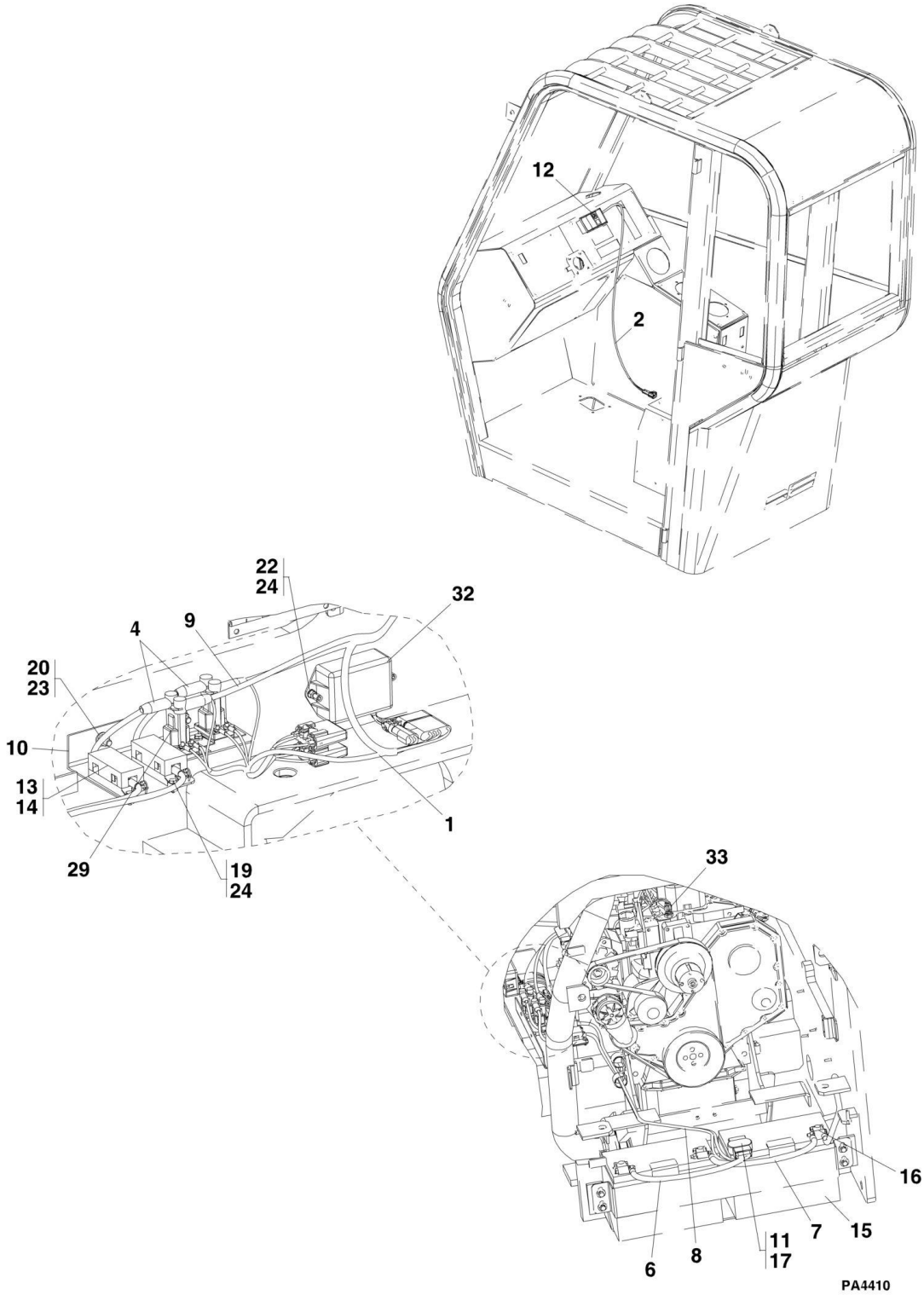


FIGURE 4-23. COLD START INSTALLATION (SN 0160004111 to Present)

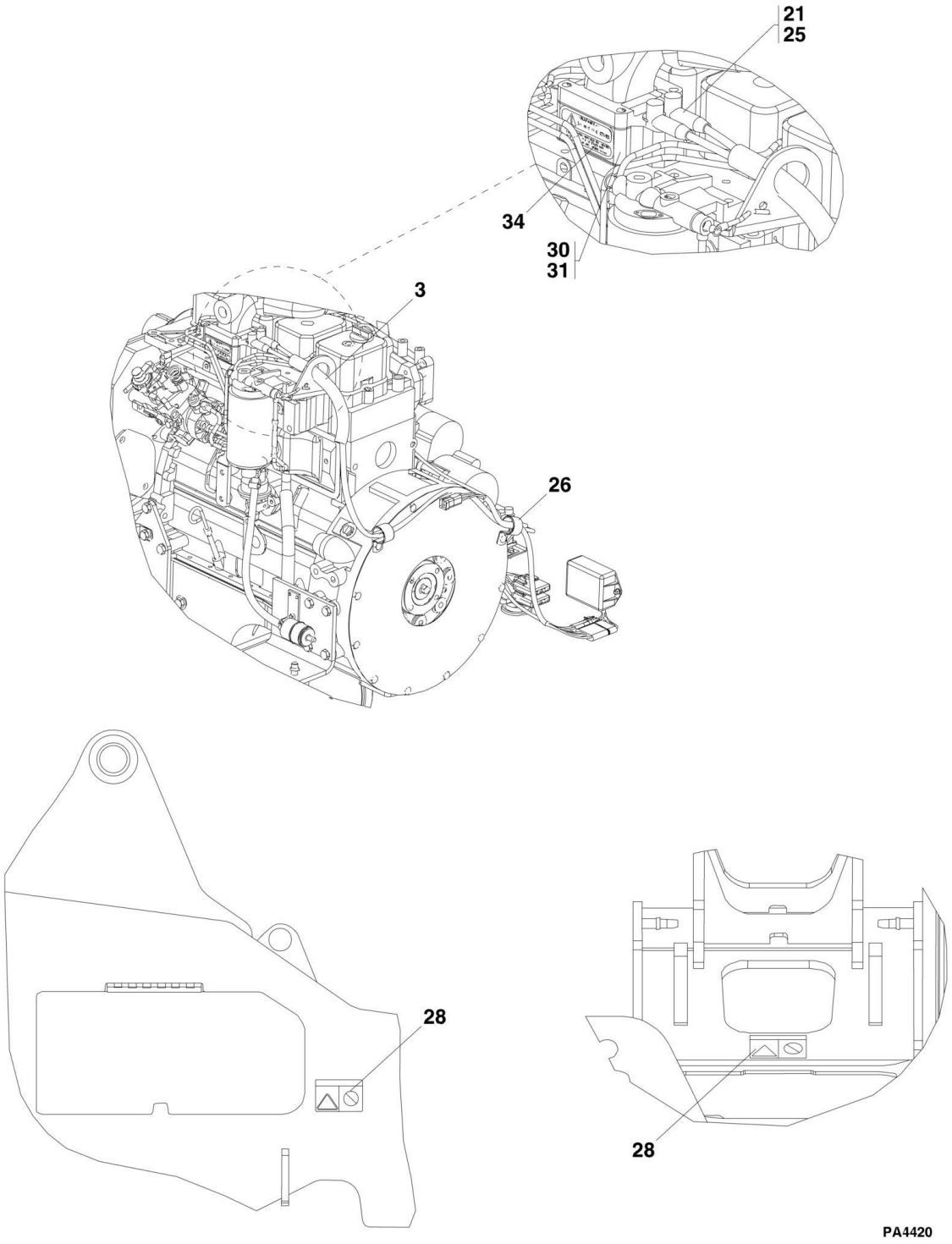


FIGURE 4-23. COLD START INSTALLATION (SN 0160004111 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7310020	1	COLD START INSTALLATION, (includes all items)	C
1	4922985	1	COLD START HARNESS	
2	4922987	1	CAB PREHEAT HARNESS	B
3	7128511	1	CONDUIT, .75 I.D.X8	
4	7301448	2	FUSE TO RELAY CABLE	
6	7301522	1	POSITIVE BATTERY CABLE	
7	7301523	1	NEGATIVE BATTERY CABLE	
8	7301524	2	BATTERY TO FUSE CABLE	
9	7301525	2	RELAY TO GRID HEATER CABLE	
10	7301829	1	RELAY MOUNTING BRACKET	
11	7301893	1	BATTERY TERMINAL INSULATOR	
12	8223082	1	ENGINE PREHEAT INDICATOR	
13	8229259	2	125AMP FUSE, MEGA BOLT ON	
14	8229260	2	FUSE HOLDER	
15	8270144	1	BATTERY, 12-VOLT	
16	8270147	1	NEGATIVE POLARITY BATTERY CLAMP	
17	8270148	1	POSITIVE POLARITY BATTERY CLAMP	
19	8303545	8	HEX HD CAPSCREW, M6X1X14MM, PC8.8	
20	8305008	2	HEX NUT, 3/8-16	
21	8305047	2	HEX NUT, M6X1	
22	8305652	2	HEX LOCKNUT, M6X1	
23	8307110	2	WASHER, 3/8	
24	8307219	10	PLAIN WASHER, M6	
25	8310687	2	LOCKWASHER, M6	
26	8406302	2	HOSE CLAMP, 1.25 DIA	
27	8584001	6	PLASTIC TIE WRAP, (not shown)	
28	4110460	2	ETHER STARTING WARNING DECAL **(SN 0160004111 through 0160028010)**	
28	1706300	2	ETHER STARTING WARNING DECAL, (ANSI) **(SN 0160028011 to Present)**	
28	1706098	2	ETHER STARTING WARNING DECAL, (ISO) **(SN 0160028011 to Present)**	
29	8225122	2	RELAY, 12VDC, 100AMP	
30	8270423	1	INTAKE AIR HEATER, 12VDC, 195AMP	
31	8270424	2	GRID HEATER GASKET	
32	8270425	1	HEATER CONTROL MODULE	
33	8270426	1	GRID HEATER TEMPERATURE SENSOR	
34	8270427	1	GRID HEATER DECAL	

FIGURE 4-24. REMOTE OIL FILLER (SN 0160004111 to Present)

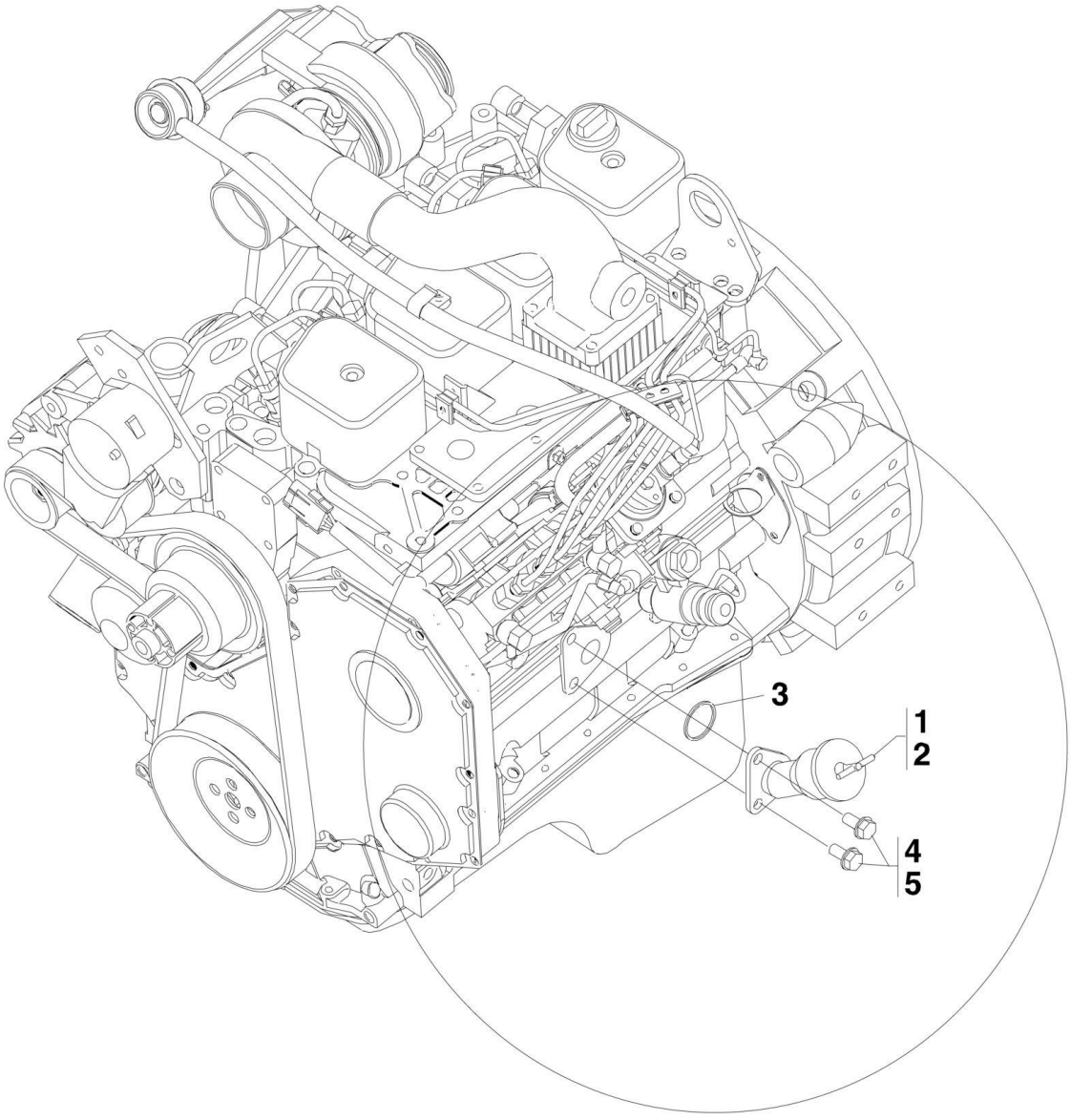


FIGURE 4-24. REMOTE OIL FILLER (SN 0160004111 to Present)

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 242 and torque to 71 lb-ft)	
5	0100011	AR	LOCTITE 242, (apply to item 4)	

FIGURE 4-25. EXHAUST UPGRADE KIT

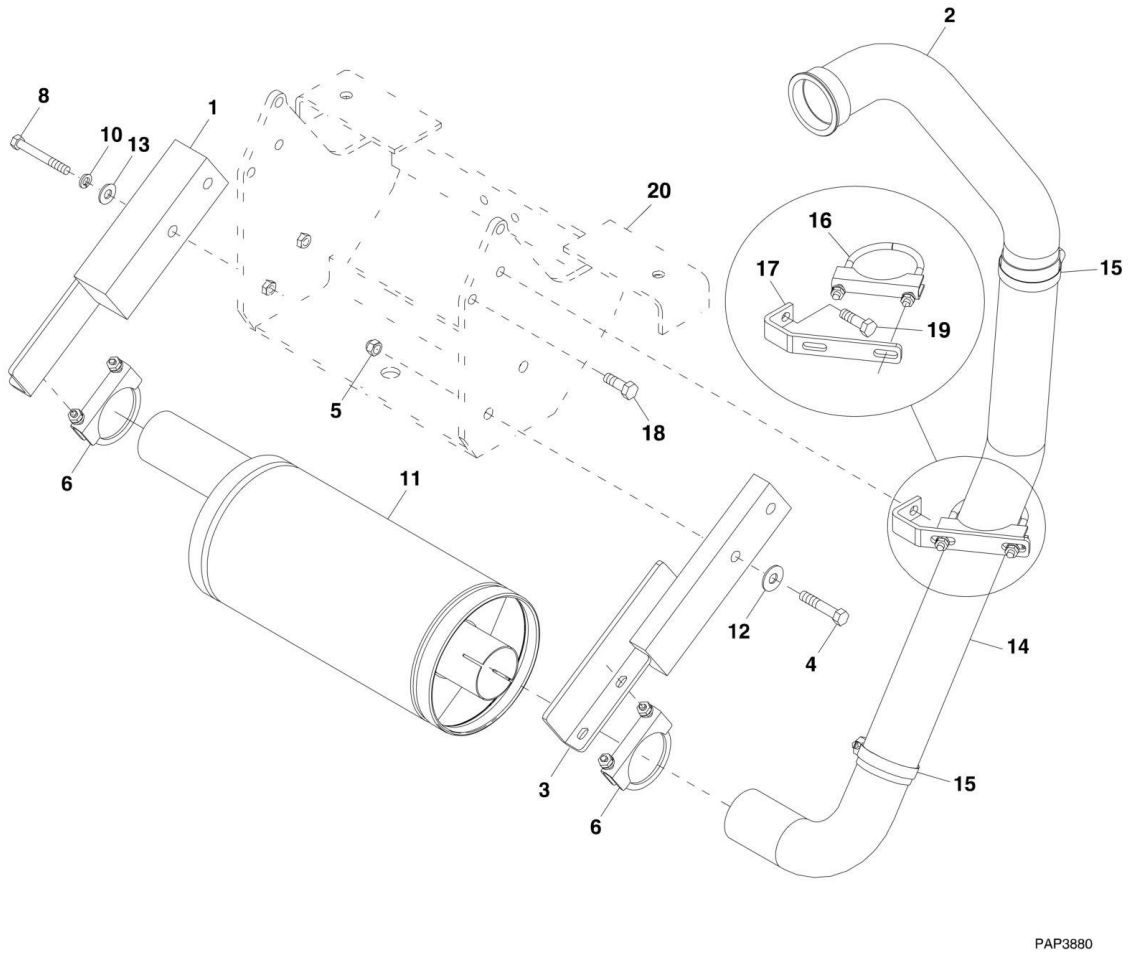


FIGURE 4-25. EXHAUST UPGRADE KIT

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, 2-1/2	
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, (sold by the foot)	
15	8405202	2	GEAR CLAMP	
16	8275247	1	MUFFLER CLAMP, 3INCH	
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

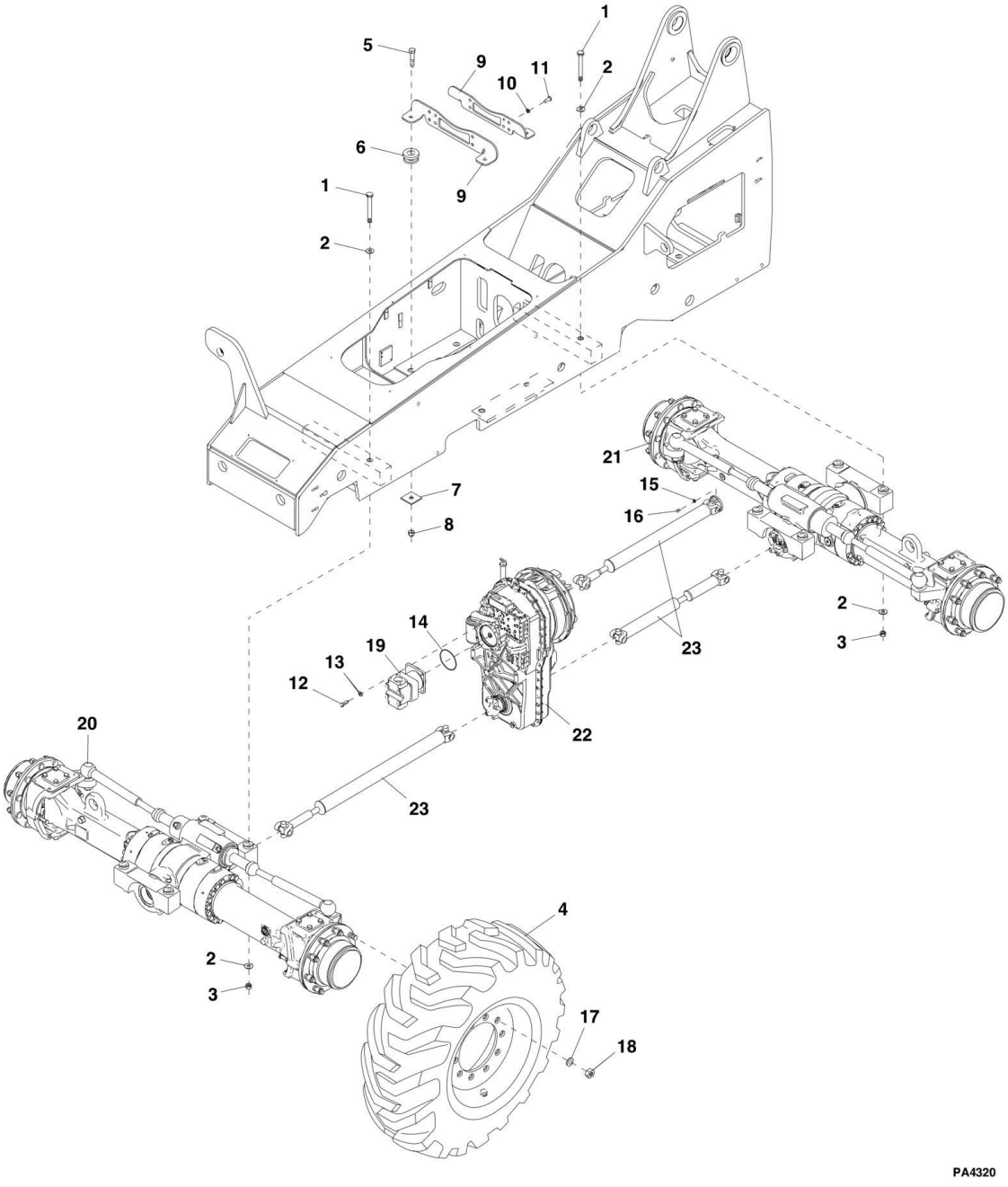


FIGURE 5-1. DRIVE TRAIN COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8310479	8	HEX HD CAPSCREW, 1-8X11	
2	8310061	16	HARDENED WASHER, 1 O.D.	
3	8310481	8	HEX LOCKNUT, 1-8, (torque to 500-560 lb-ft)	
4		Ref	TIRE AND RIM ASSY, (See TIRES AND RIMS (PNEUMATIC) AND TIRES AND RIMS (FOAM FILLED AND SOLID) for Breakdown)	
5	8303724	4	HEX HD CAPSCREW, 3/4-10X3-1/2, GR5, (torque to 210 lb-ft)	
6	8278007	4	RUBBER MOUNT	
7	7054351	4	REBOUND WASHER	
8	8310067	4	HEX LOCKNUT, 3/4-10	
9	7138634	2	TRANSMISSION MOUNT BRACKET	
10	8307049	8	LOCKWASHER, M16, (mount bracket to transmission)	
11	8310215	8	HEX HD CAPSCREW, M16X2X40MM, PC8.8, (torque to 148 lb-ft), (mount bracket to transmission)	
12	8303519	4	HEX HD CAPSCREW, M12X1.75X35MM, PC8.8, (torque to 58-70 lb-ft)	
13	8310356	4	HARDENED WASHER, 12MM	
14	8630019	1	O-RING	
15	8307006	4	LOCKWASHER, .438	
16	8310425	4	HEX HD CAPSCREW, .438-20X2.25, GR8	
17	8786573	32	SPRING WASHER **(Prior to SN 0160038919, Excluding 0160033533)**	
17	8786573	40	SPRING WASHER, (not required with Firestone 370/75-28) **(SN 0160038919 to Present, Including 0160033533)**	
18	8786572	32	WHEEL NUT, (torque to 425-450 lb-ft) **(Prior to SN 0160038919, Excluding 0160033533)**	
18	8786572	40	WHEEL NUT, (torque to 425-450 lb-ft) **(SN 0160038919 to Present, Including 0160033533)**	
18	91403193	40	WHEEL NUT, (torque to 430-470 lb-ft), (if equipped with Firestone 370/75-28) **(SN 0160038919 to Present, Including 0160033533)**	
19		Ref	GEAR PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
20		Ref	FRONT AXLE, (See FRONT AXLE for Breakdown)	
21		Ref	REAR AXLE, (See REAR AXEL for Breakdown)	
22		Ref	ZF TRANSMISSION, (See ZF TRANSMISSION for Breakdown)	
23		Ref	DRIVE SHAFTS, (See DRIVE SHAFTS for Breakdown)	

FIGURE 5-2. FRONT AXLE

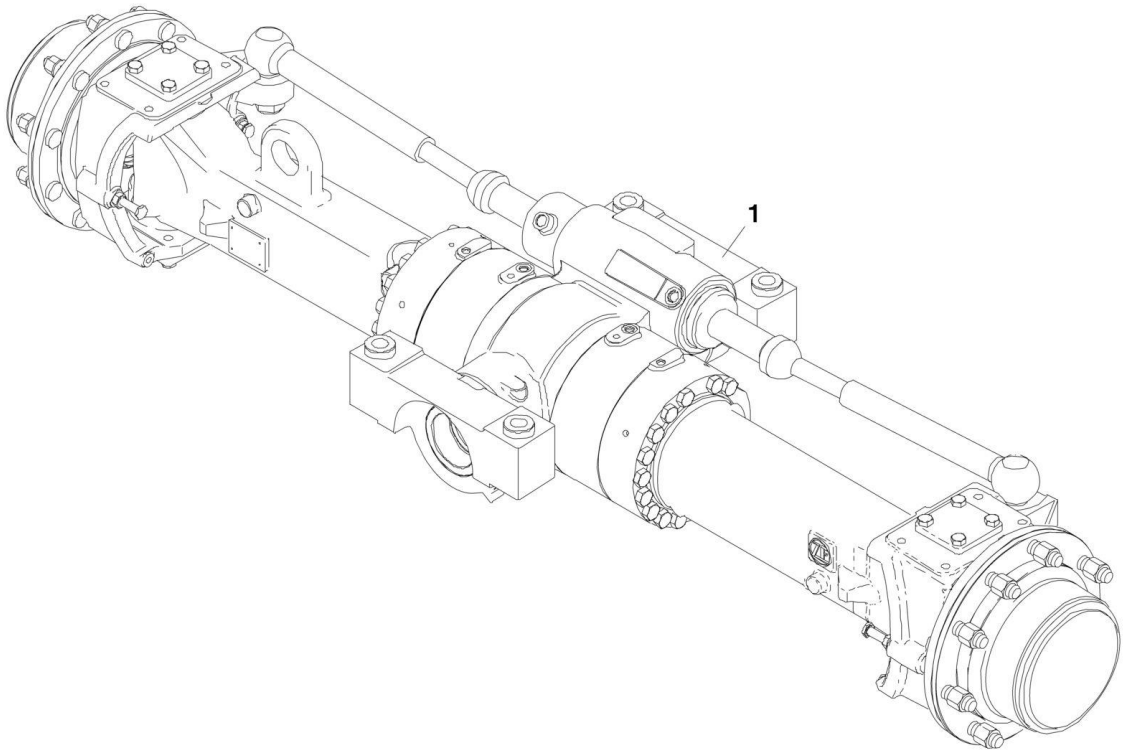


FIGURE 5-2. FRONT AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8040267	1	FRONT AXLE **(Prior to SN 0160038919, Excluding 0160033533)**	G
1	1001103625	1	FRONT AXLE **(SN 0160038919 to Present, Including 0160033533)**	E
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-DISK BRAKE, (See FRONT AXLE - M-DISK 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 5-3. FRONT AXLE - INPUT (Prior to SN 0160038919, Excluding 0160033533)

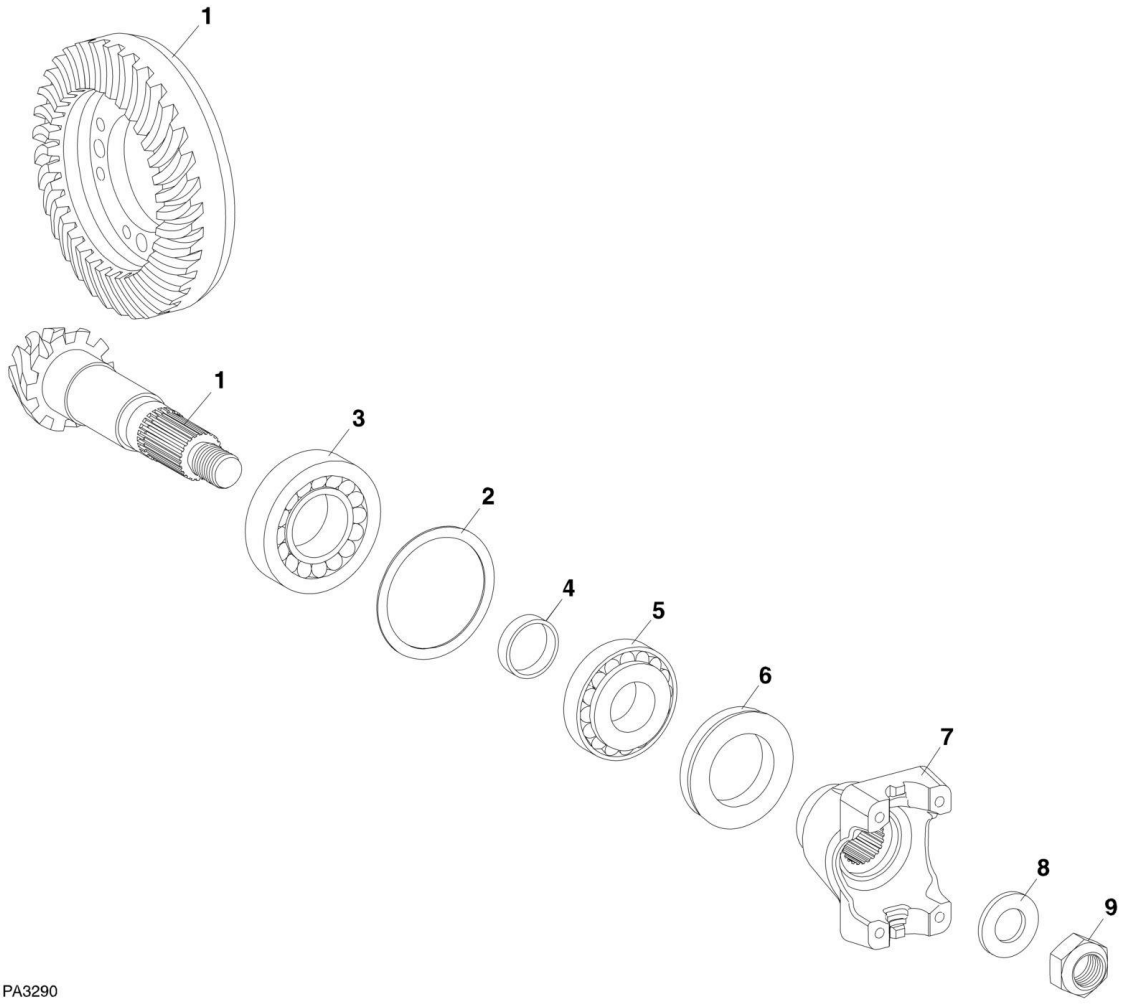


FIGURE 5-3. FRONT AXLE - INPUT (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040267	Ref	FRONT AXLE- INPUT	
1	8036424	1	BEVEL GEAR SET	
2	1319333	1	SHIM, S=1.0	
2	1319334	1	SHIM, S=0.05	
2	1319335	1	SHIM, S=1.1	
2	1319336	1	SHIM, S=1.15	
2	1319337	1	SHIM, S=1.2	
2	8035876	1	SHIM, S=1.25	
2	8035877	1	SHIM, S=1.3	
2	1321187	1	SHIM, S=1.35	
2	1319341	1	SHIM, S=1.4	
2	1319342	1	SHIM, S=01.45	
2	1319343	1	SHIM, S=01.5	
2	1319344	1	SHIM, S=01.55	
2	1319345	1	SHIM, S=01.6	
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=0.70	
2	1319350	1	SHIM, S=0.75	
2	1319351	1	SHIM, S=0.85	
2	1319352	1	SHIM, S=0.80	
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	
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	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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	1319380	1	RING, S=15.66	
4	1319390	1	RING, S=15.48	
4	1319391	1	RING, S=15.58	
4	1319392	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 5-4. FRONT AXLE - INPUT (SN 0160038919 to Present, Including 0160033533)

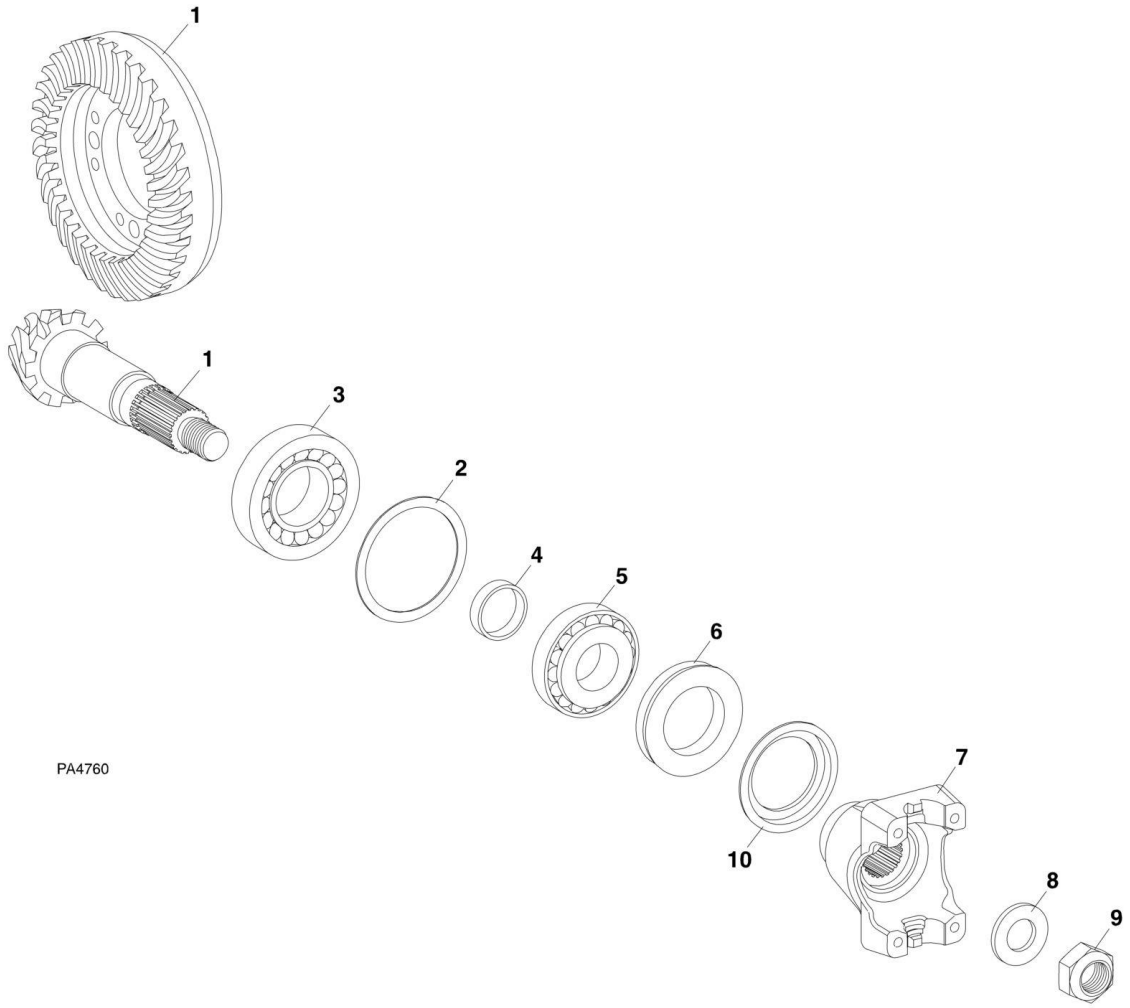


FIGURE 5-4. FRONT AXLE - INPUT (SN 0160038919 to Present, Including 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103625	Ref	FRONT AXLE- INPUT	
1	70022774	1	BEVEL GEAR	
1	70022775	1	PINION	
2	80304169	1	SHIM, S=1.85	
2	80304147	1	SHIM, S=1.9	
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	
3	80304047	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	
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	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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	70022776	1	SCREEN SHEET	

FIGURE 5-5. FRONT AXLE - LIMITED SLIP DIFFERENTIAL (Prior to SN 0160038919, Excluding 0160033533)

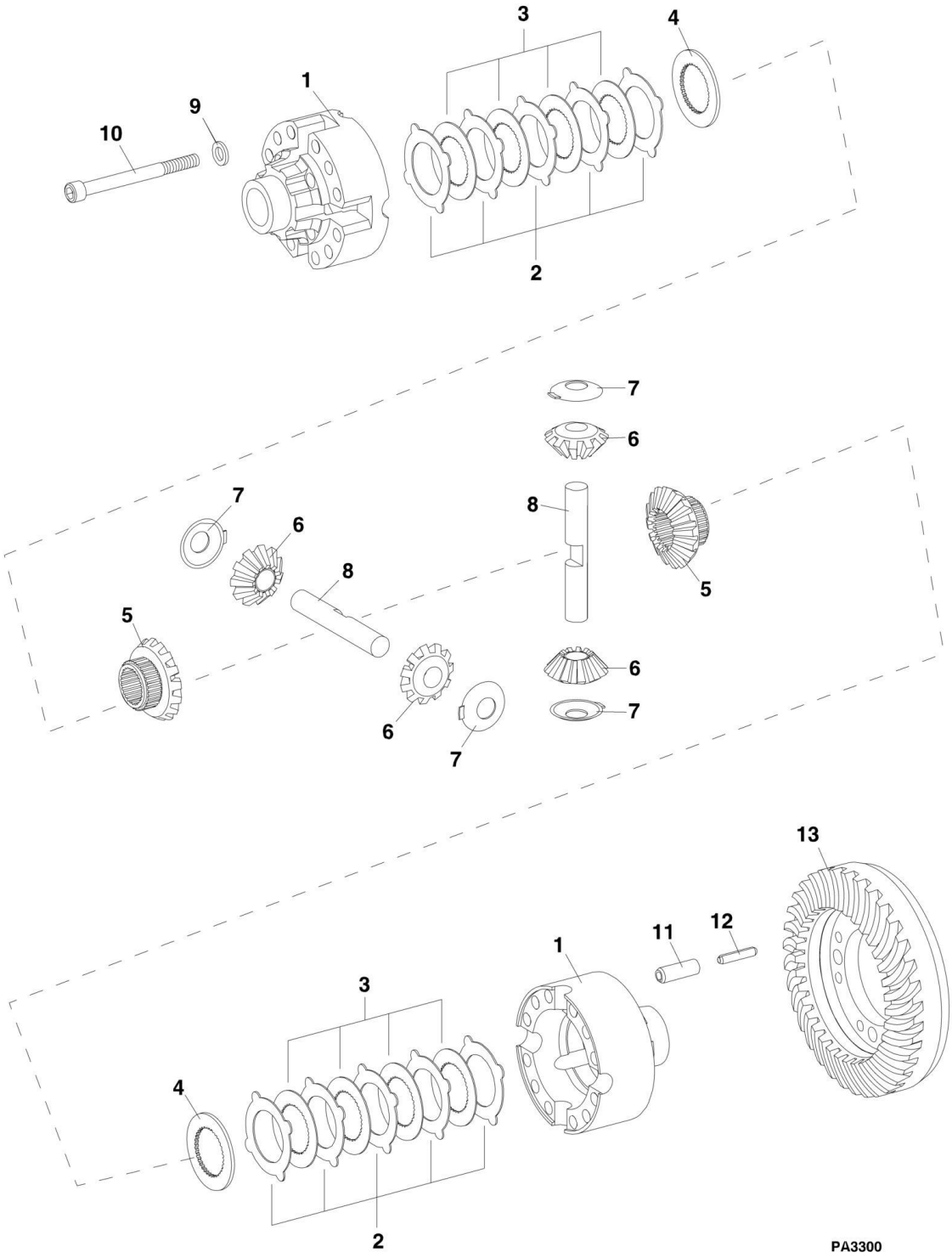


FIGURE 5-5. FRONT AXLE - LIMITED SLIP DIFFERENTIAL (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040267	Ref	FRONT AXLE - LIMITED SLIP DIFFERENTIAL	
1	N.S.S.	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	8036426	8	I CLUTCH DISC	
4	1321217	2	PRESSURE DISC	
5	8036427	2	AXLE BEVEL GEAR	
6	1321262	4	DIFFERENTIAL BEVEL GEAR	
7	1321188	4	THRUST WASHER	
8	1321224	2	DIFFERENTIAL AXLE	
9	1321184	12	WASHER	
10	8035985	12	CAPSCREW	
11	1321153	4	SLOTTED PIN	
12	1321154	4	SLOTTED PIN	
13		Ref	BEVEL GEAR SET, (See FRONT AXLE - INPUT for Breakdown)	

FIGURE 5-6. FRONT AXLE - LIMITED SLIP DIFFERENTIAL (SN 0160038919 to Present, Including 0160033533)

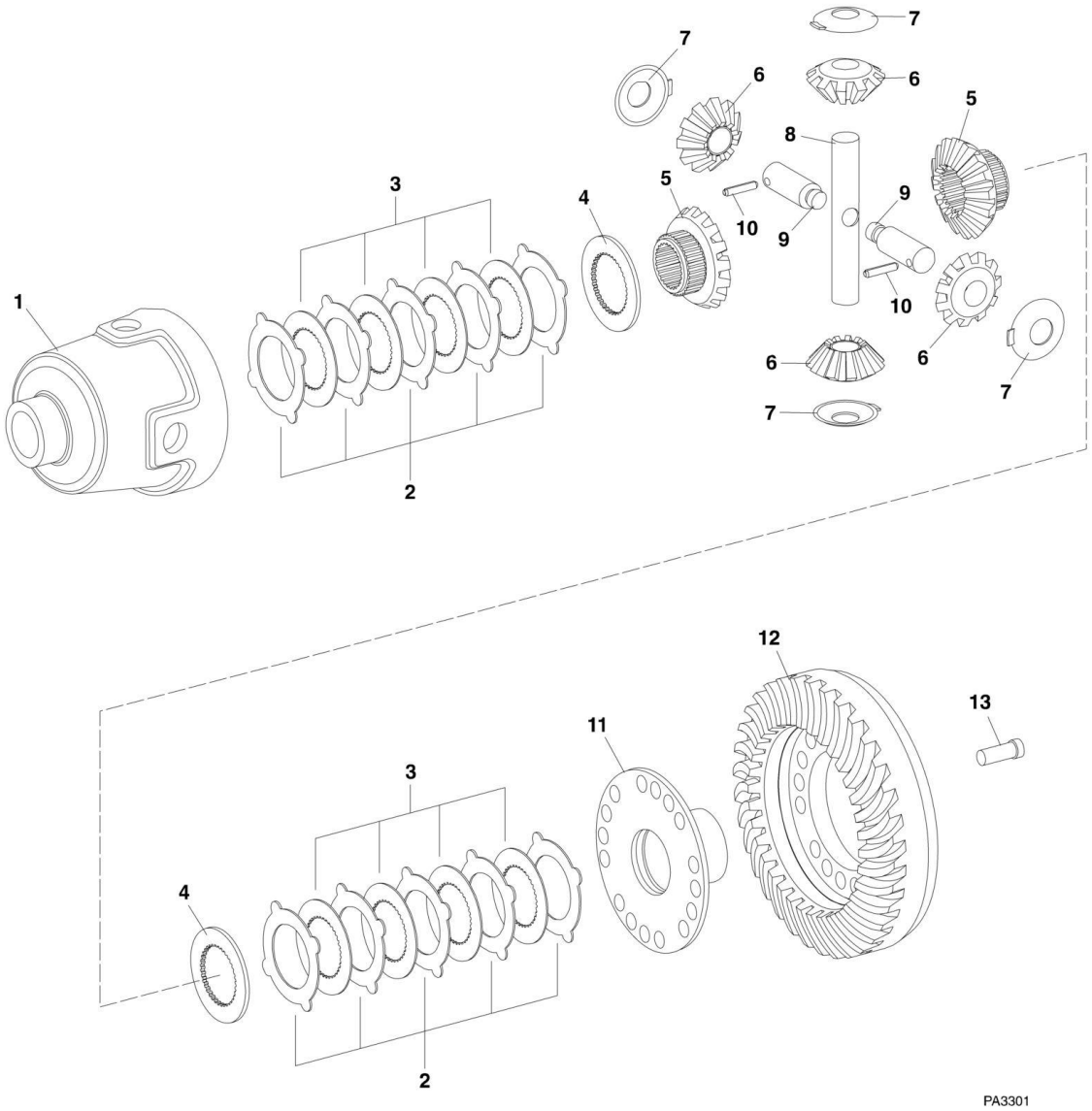
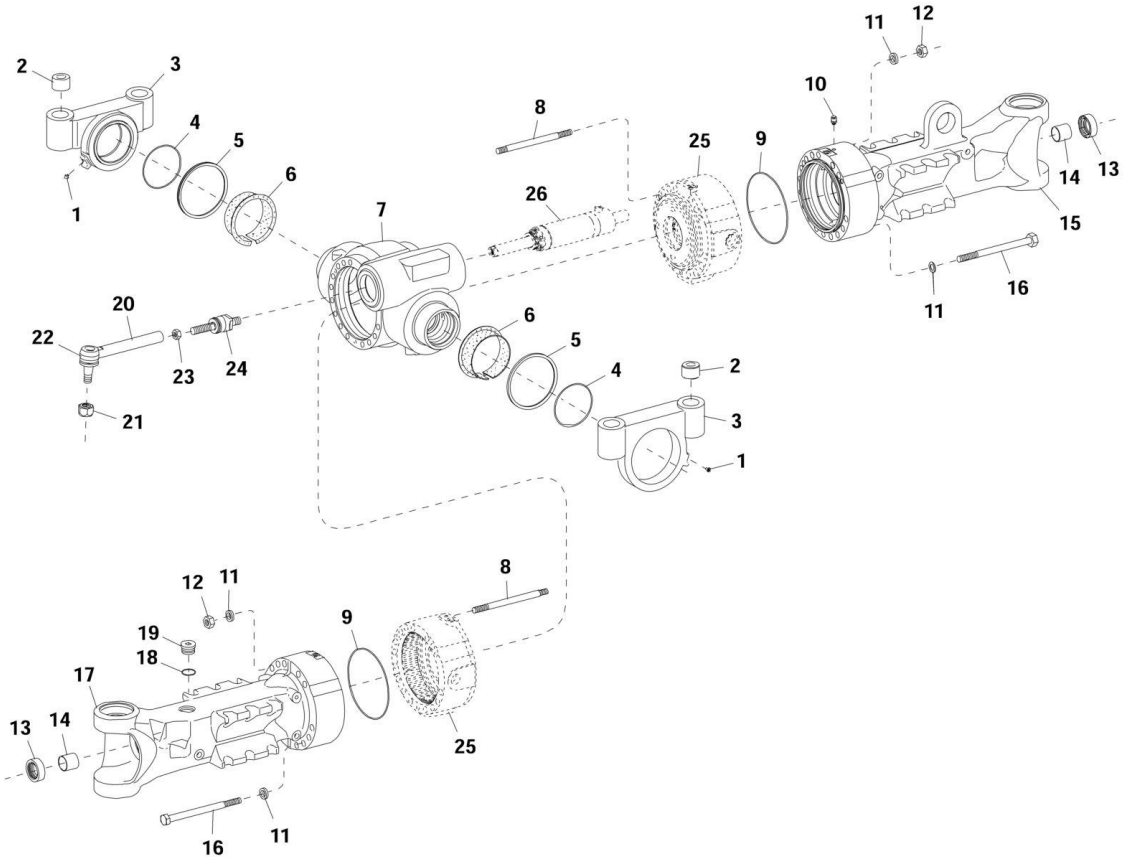
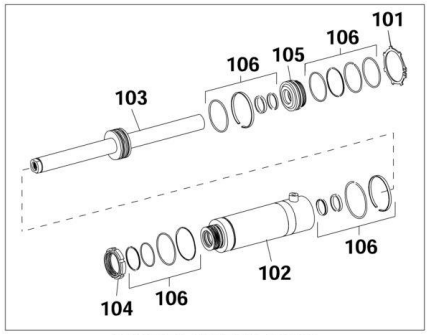


FIGURE 5-6. FRONT AXLE - LIMITED SLIP DIFFERENTIAL (SN 0160038919 to Present, Including 0160033533)

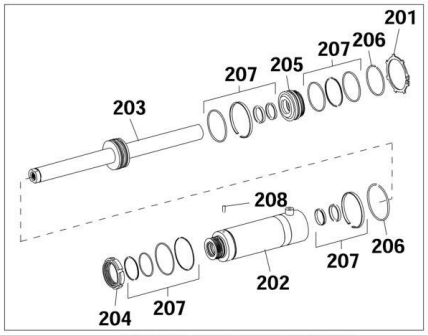
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103625	Ref	FRONT AXLE - LIMITED SLIP DIFFERENTIAL	
1	70022226	1	DIFFERENTIAL CASE	
2	70022263	AR	O CLUTCH DISC, A=1.2	
2	70022264	AR	O CLUTCH DISC, A=1.3	
3	70022260	8	I CLUTCH DISC	
4	70022261	2	PRESSURE DISC	
5	70022225	2	AXLE BEVEL GEAR	
6	70022185	4	DIFFERENTIAL BEVEL GEAR	
7	70022262	4	THRUST WASHER	
8	70022227	1	DIFFERENTIAL AXLE	
9	70022228	2	DIFFERENTIAL AXLE	
10	70022200	2	SLOTTED PIN	
11	70022229	1	COVER	
12		Ref	BEVEL GEAR, (See FRONT AXLE - INPUT for Breakdown)	
13	70022211	16	CAP SCREW, M12X1.5X35	

FIGURE 5-7. FRONT AXLE - AXLE CASING (Prior to SN 0160038919, Excluding 0160033533)





PRIOR TO AXLE SN 829694



AXLE SN 829694 TO PRESENT

PU1983

FIGURE 5-7. FRONT AXLE - AXLE CASING (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040267	Ref	FRONT AXLE- CASING	
1	1319423	2	GREASE FITTING	
2	1319441	4	CENTERING BUSHING	
3	8035933	2	BRACKET	
4	1319439	2	O-RING	
5	1319440	2	V-RING	
6	1319438	2	FLANGE BUSHING	
7	8036336	1	AXLE DRIVE HOUSING	
8	8036313	8	STUD	
9	1319425	2	O-RING	
10	1319436	1	BREATHER	
11	8036312	30	WASHER	
12	1319429	8	HEX NUT	
13	1319434	2	SHAFT SEAL	
14	1319433	2	BUSHING	
15	8036430	1	RIGHT FRONT AXLE CASING	
16	8035927	22	HEX SCREW	
17	8036431	1	LEFT FRONT AXLE CASING	
18	8036314	1	O-RING	
19	1319506	1	SCREW PLUG	
20	1321148	2	AXIAL JOINT COUPLING ASSY, (includes items 21 thru 24)	
21	8035931	2	LOCKING NUT	
22	8035929	2	BALL JOINT WITH PIPE COUPLING	
23	8035932	2	HEX NUT	
24	8036315	2	AXIAL JOINT COUPLING	
25		Ref	BRAKE HOUSING, (See FRONT AXLE - M-DISK BRAKE for Breakdown)	
26	1321149	NLA	STEERING CYLINDER, (Prior to Axle SN 829694), (no longer available, use 70021617 for replacement and items 101 thru 106 for service)	
26	70021617	1	STEERING CYLINDER, (Axle SN 829694 to Present), (includes items 201 thru 208)	
	N.S.S.	NLA	L-RING, (no longer available, use 70021617 for replacement)	
	N.S.S.	NLA	TUBE WELDMENT, (no longer available, use 70021617 for replacement)	
	N.S.S.	NLA	PISTON ROD, (no longer available, use 70021617 for replacement)	
104	8035998	1	SLOTTED NUT	
	N.S.S.	NLA	GUIDE PIECE, (no longer available, use 70021617 for replacement)	
106	8035981	1	SEAL KIT	
201	70021571	1	L-RING	
	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 5-8. FRONT AXLE - AXLE CASING (SN 0160038919 to Present, Including 0160033533)

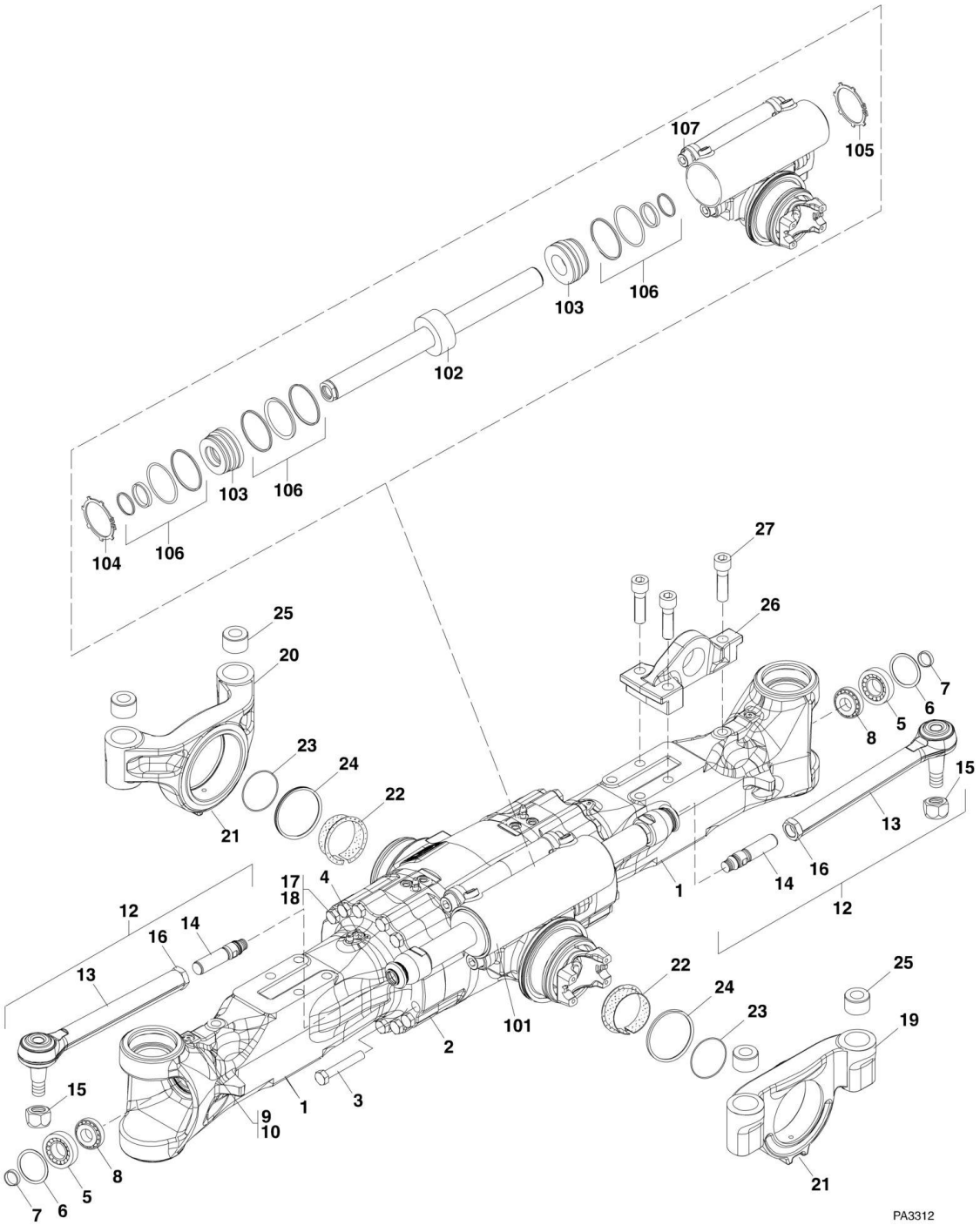


FIGURE 5-8. FRONT AXLE - AXLE CASING (SN 0160038919 to Present, Including 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103625	Ref	FRONT AXLE- CASING	
1	70022255	2	AXLE CASING	
2	70022259	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	70022777	2	SCREW PLUG	
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	70022246	1	BRACKET	
20	70022247	1	BRACKET	
21	1319423	2	GREASE FITTING	
22	70022182	2	FLANGE BUSHING	
23	70022205	2	O-RING	
24	70022219	2	V-RING	
25	1319441	4	BUSHING	
26	70022254	1	BRACKET	
27	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	70022789	4	CAPSCREW, M22X1.5X55	

FIGURE 5-9. FRONT AXLE - M-DISK BRAKE (Prior to SN 0160038919, Excluding 0160033533)

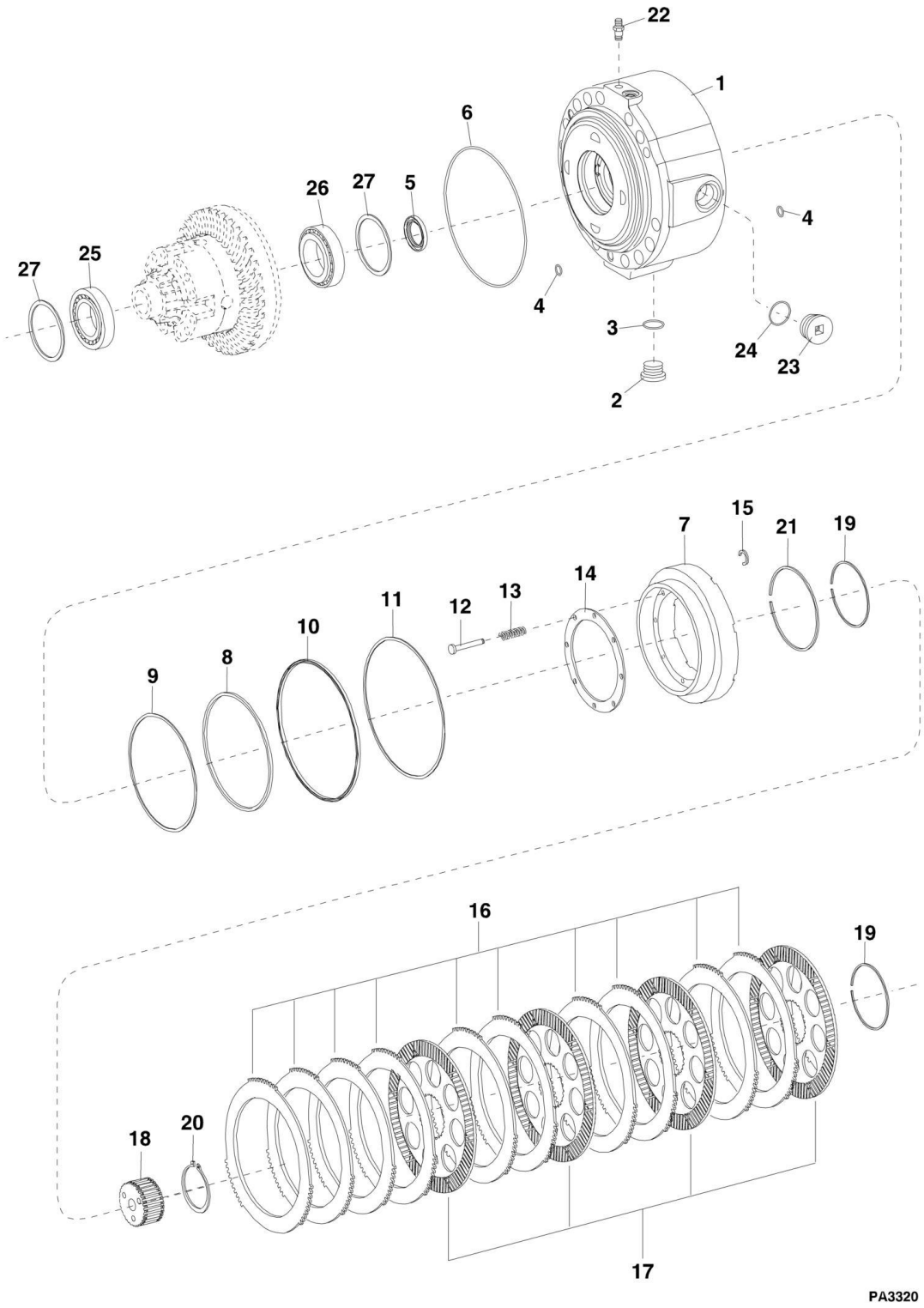


FIGURE 5-9. FRONT AXLE - M-DISK BRAKE (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040267	Ref	FRONT AXLE- BRAKE	
1	8035936	Ref	BRAKE HOUSING, (right side), (Prior to Axle SN 675668), (see note N1)	
1	70020483	1	BRAKE HOUSING, (right side), (Axle SN 675668 to Present)	
1	8035939	Ref	BRAKE HOUSING, (left side), (Prior to Axle SN 675668), (see note N1)	
1	70020484	1	BRAKE HOUSING, (left side), (Axle SN 675668 to Present)	
2	1319431	2	SCREW PLUG	
3	8036303	2	O-RING	
4	1319491	12	O-RING	
5	1321161	2	SHAFT SEAL	
6	1319425	2	O-RING	
7	8036304	2	PISTON	
8	1321162	2	U-RING	
9	1321151	2	SUPPORT RING	
10	1321163	2	U-RING	
11	1321152	2	SUPPORT RING	
12	1319496	16	PIN	
13	1319497	16	COMPRESSION SPRING	
14	8036305	2	WASHER	
15	1319499	16	CRESCENT RING	
16	1319500	4	O CLUTCH DISC, S=2, (Prior to Axle SN 675668)	
16	70020485	4	O CLUTCH DISC, S=2, (Axle SN 675668 to Present)	
16	1319501	4	O CLUTCH DISC, S=2.5, (Prior to Axle SN 675668)	
16	70020486	4	O CLUTCH DISC, S=2.5, (Axle SN 675668 to Present)	
16	1319502	4	O CLUTCH DISC, S=3, (Prior to Axle SN 675668)	
16	70020487	4	O CLUTCH DISC, S=3, (Axle SN 675668 to Present)	
17	1321150	8	I CLUTCH DISC, (Prior to Axle SN 823842)	
17	70020408	8	I CLUTCH DISC, (Axle SN 823842 to Present)	
18	1321174	2	DISC CARRIER, (Prior to Axle SN 823842)	
18	70020409	2	DISC CARRIER, (Axle SN 823842 to Present)	
19	8036307	4	SNAP RING	
20	8036308	2	RETAINING RING	
21	1319504	2	SNAP RING	
22	1319505	2	VALVE VENT	
23	1319506	2	SCREW PLUG	
24	8036314	2	O-RING	
25	8036445	2	ROLLER BEARING	
26	8036447	2	ROLLER BEARING	
27	1319531	AR	SHIM, A=0.1	
27	8035945	AR	SHIM, A=0.15	
27	1319530	AR	SHIM, A=0.2	
27	8035946	AR	SHIM, A=0.25	
27	1319529	AR	SHIM, A=0.3	
27	8035947	AR	SHIM, A=0.35	
27	8035951	AR	SHIM, A=0.4	
27	1319543	AR	SHIM, A=0.45	
27	1319527	AR	SHIM, A=0.5	
27	1321158	AR	SHIM, A=0.55	
27	1319526	AR	SHIM, A=0.6	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
27	1319532	AR	SHIM, A=0.65	
27	1319533	AR	SHIM, A=0.70	
27	1319534	AR	SHIM, A=0.75	
27	1319545	AR	SHIM, A=0.8	
27	1319535	AR	SHIM, A=0.85	
27	1319536	AR	SHIM, A=0.9	
27	1319537	AR	SHIM, A=0.95	
27	1319524	AR	SHIM, A=1.0	
27	1319525	AR	SHIM, A=1.05	
27	1319538	AR	SHIM, A=1.10	
27	1319539	AR	SHIM, A=1.15	
27	1319523	AR	SHIM, A=1.20	
27	1319540	AR	SHIM, A=1.25	
27	1319541	AR	SHIM, A=1.30	
27	1319542	AR	SHIM, A=1.35	
27	1319522	AR	SHIM, A=1.40	
27	1319521	AR	SHIM, A=1.45	
27	1319520	AR	SHIM, A=1.50	
27	1319519	AR	SHIM, A=1.55	
27	1319518	AR	SHIM, A=1.60	
27	1319517	AR	SHIM, A=1.65	
27	1319510	AR	SHIM, A=2.0	
27	1321159	AR	SHIM, A=1.47	
27	8035948	AR	SHIM, A=1.63	
27	1319516	AR	SHIM, A=1.70	
27	1319515	AR	SHIM, A=1.75	
27	1319514	AR	SHIM, A=1.80	
27	1319513	AR	SHIM, A=1.85	
27	1319512	AR	SHIM, A=1.90	
27	1319511	AR	SHIM, A=1.95	
N1	Note	Ref	**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 5-10. FRONT AXLE - M-DISK BRAKE (SN 0160038919 to Present, Including 0160033533)

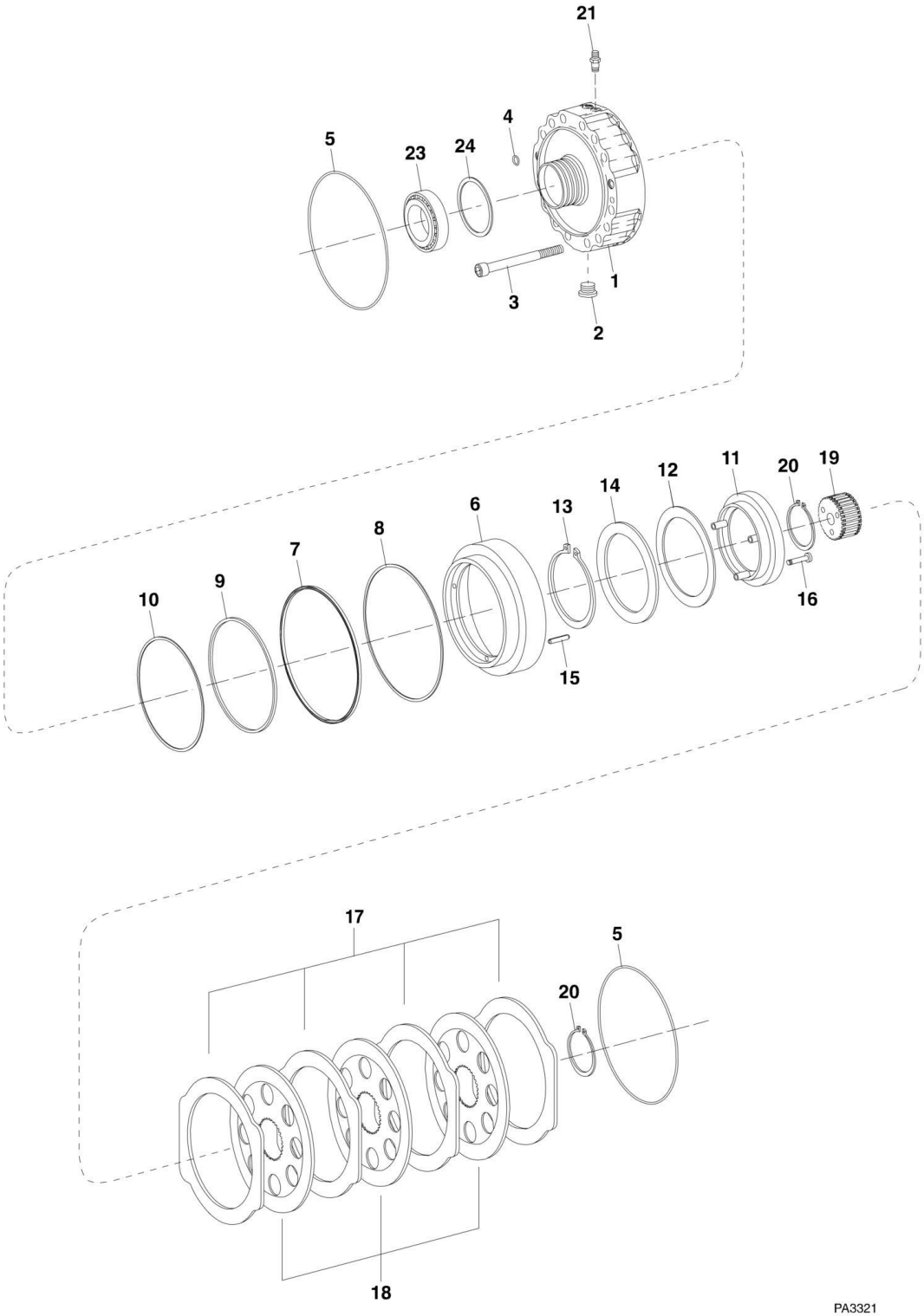


FIGURE 5-10. FRONT AXLE - M-DISK BRAKE (SN 0160038919 to Present, Including 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103625	Ref	FRONT AXLE- BRAKE	
1	70022778	2	BRAKE HOUSING	
2	1319578	2	SCREW PLUG	
3	70022209	6	CAP SCREW, M12X105	
4	70022779	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	2	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	70022780	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 5-11. FRONT AXLE - BRAKE (Prior to SN 0160038919, Excluding 0160033533)

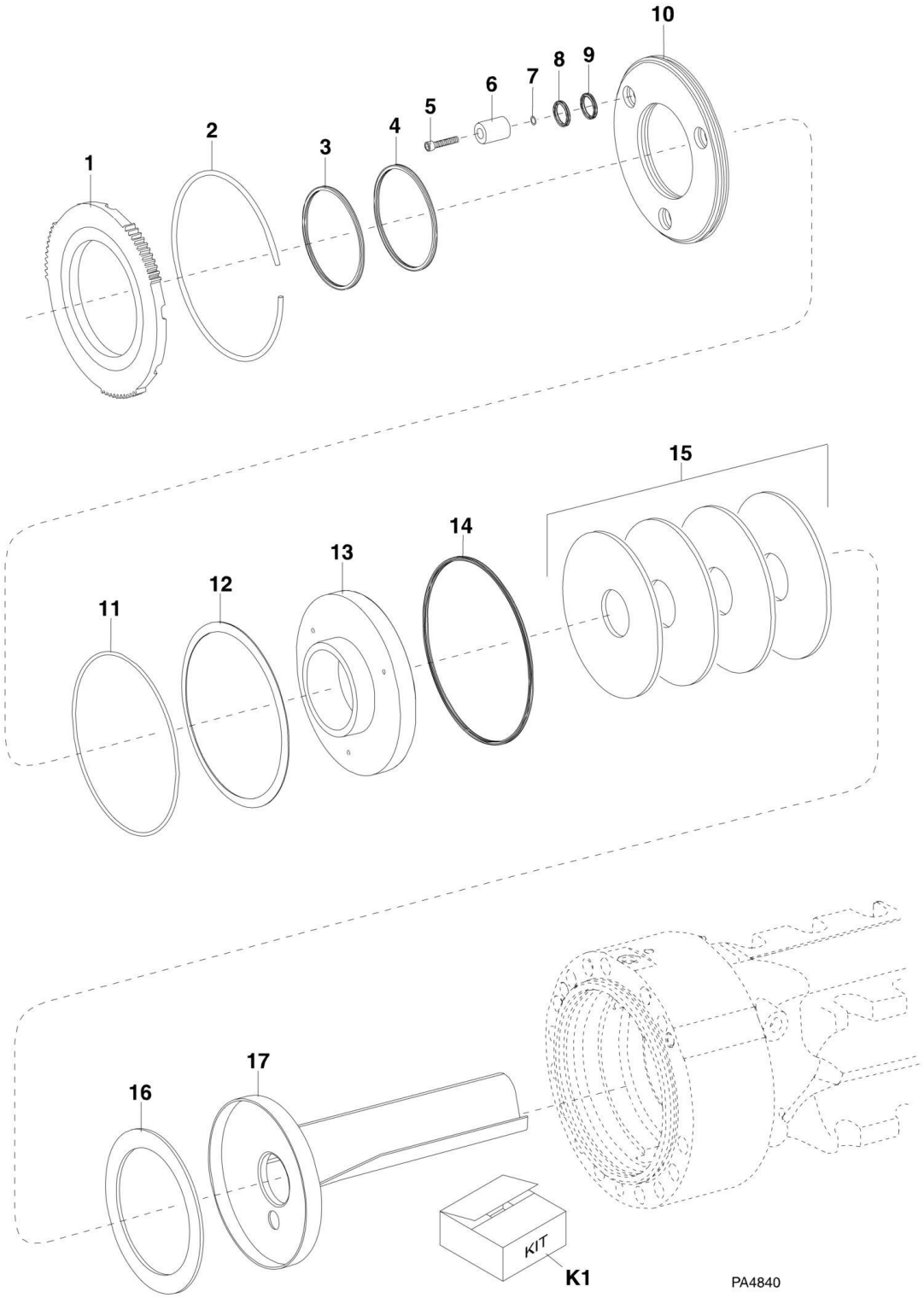


FIGURE 5-11. FRONT AXLE - BRAKE (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040267	Ref	FRONT AXLE- BRAKE	
1	8035952	NLA	END SHIM, (Prior to Axle SN 332590), (no longer available, use 7029104 kit for replacement)	
1	8036848	2	END SHIM, (Axle SN 332590 thru Axle SN 675667)	
1	70020413	2	END SHIM, (Axle SN 675668 to Present)	
2	1321206	2	SNAP RING	
3	8036319	NLA	SUPPORT RING, (Prior to Axle SN 332590), (no longer available, use 7029104 kit for replacement)	
3	8036855	2	BACKUP RING, (Axle SN 332590 to Present)	
4	8036318	NLA	FOUR-LIP RING, (Prior to Axle SN 332590), (no longer available, use 7029104 kit for replacement)	
4	8036854	2	U-RING, (Axle SN 332590 to Present)	
5	8036321	6	CAPSCREW	
6	1321244	NLA	PRESSURE PIN, (Prior to Axle SN 332590), (no longer available, use 7029104 kit for replacement)	
6	1321244	6	PRESSURE PIN, (Axle SN 332590 to Present)	
7	8036322	NLA	SUPPORT RING, (Prior to Axle SN 332590), (no longer available, use 7029104 kit for replacement)	
7	8036862	6	BACKUP RING, (Axle SN 332590 to Present)	
8	8036859	6	O-RING	
9	1321181	NLA	FOUR-LIP RING, (Prior to Axle SN 332590), (no longer available, use 7029104 kit for replacement)	
9	8036861	6	U-RING, (Axle SN 332590 to Present)	
10	8036316	NLA	SEALING WASHER, (Prior to Axle SN 332590), (no longer available, use 7029104 kit for replacement)	
10	8036849	2	SEALING WASHER, (Axle SN 332590 to Present)	
11	8036320	2	O-RING	
12	1321208	2	CUP SPRING	
13	8036317	NLA	PISTON, (Prior to Axle SN 332590), (no longer available, use 7029104 kit for replacement)	
13	7027212	2	PISTON, (Axle SN 332590 to Present)	
14	1321180	NLA	FOUR-LIP RING, (Prior to Axle SN 332590), (no longer available, use 7029104 kit for replacement)	
14	8036852	2	U-RING, (Axle SN 332590 to Present)	
15	1321207	8	CUP SPRING	
16	8035958	2	SPACING WASHER	
17	1321172	NLA	OIL DAM, (Prior to Axle SN 332590), (no longer available, use 7029104 kit for replacement)	
17	8036856	2	OIL DAM, (Axle SN 332590 to Present)	
K1	7029104	AR	BRAKE SEAL KIT, (Prior to Axle SN 675668), (includes quantity of 1 each of items 1, 2, 3, 4, 10 thru 14, 17; quantity of 3 each of items 5 thru 9 and quantity of 1 of 1319425 o-ring)	

FIGURE 5-12. FRONT AXLE - BRAKE (SN 0160038919 to Present, Including 0160033533)

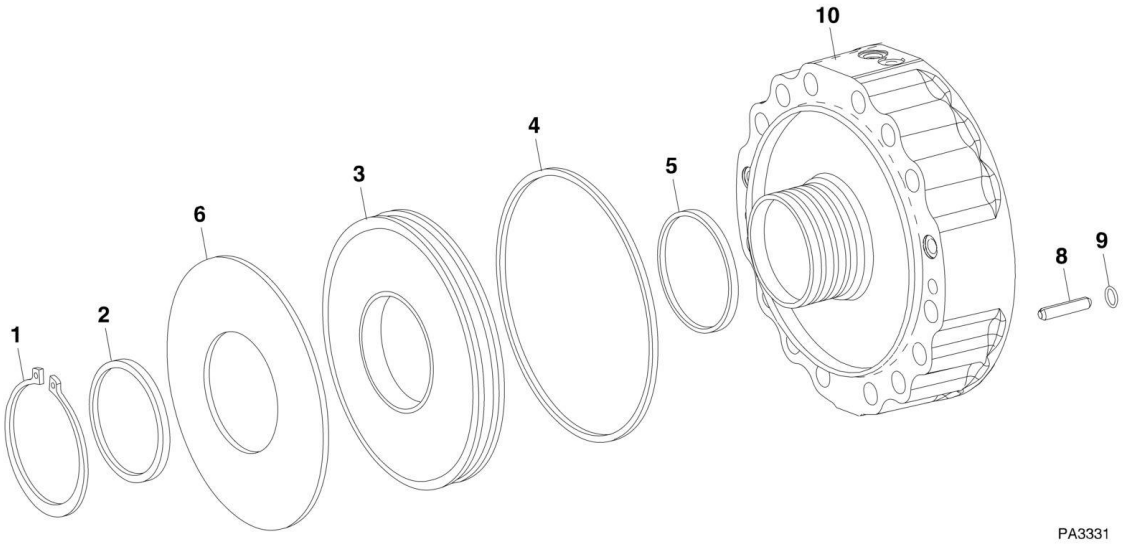


FIGURE 5-12. FRONT AXLE - BRAKE (SN 0160038919 to Present, Including 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103625	Ref	FRONT AXLE- BRAKE	
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	70022780	2	SCREW PLUG, (not shown)	
8	70022248	14	PRESSURE PIN	
9	70022202	14	O-RING	
10		Ref	BRAKE HOUSING, (See FRONT AXLE - M-DISK BRAKE for Breakdown)	

FIGURE 5-13. FRONT AXLE - JOINT HOUSING (Prior to SN 0160038919, Excluding 0160033533)

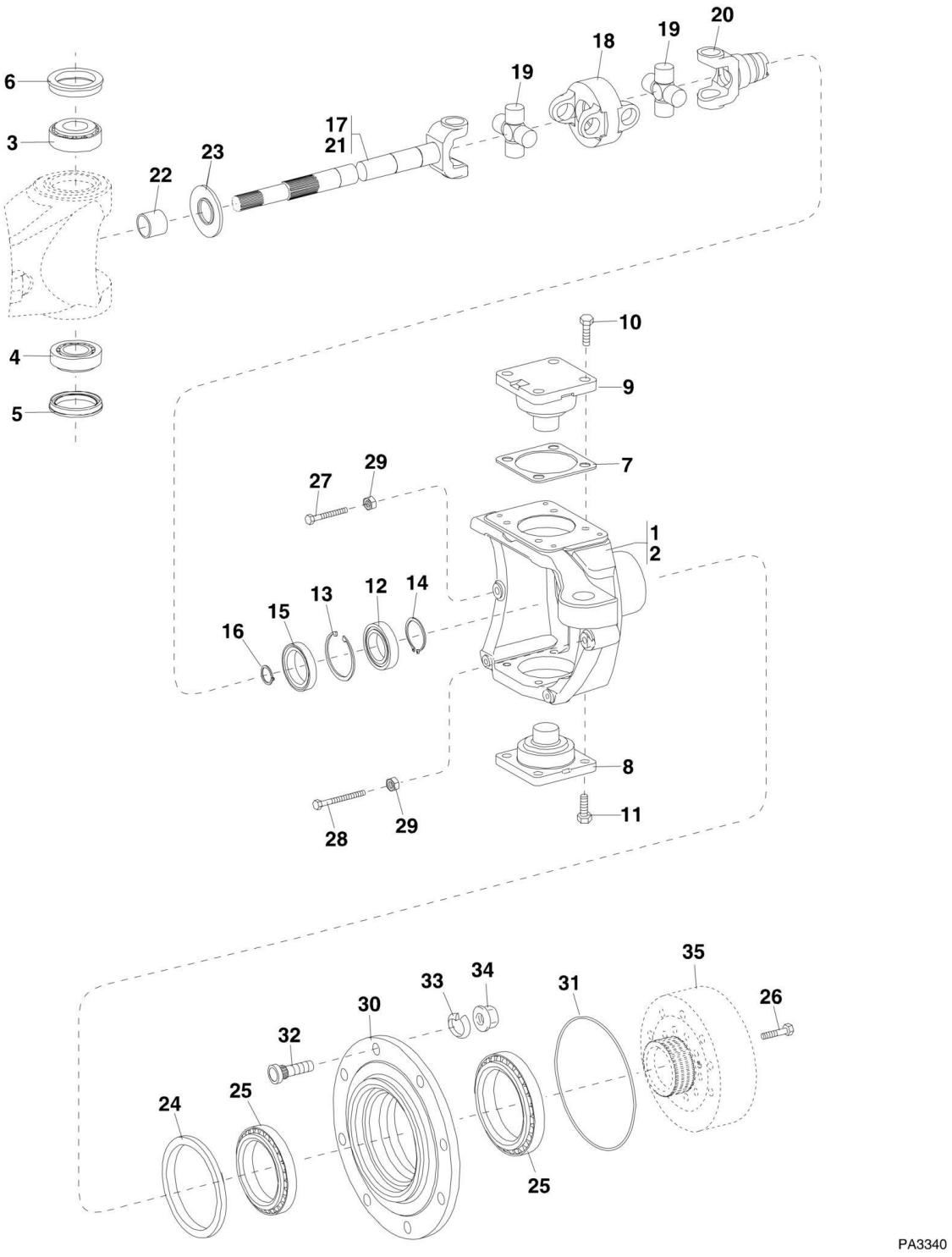


FIGURE 5-13. FRONT AXLE - JOINT HOUSING (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040267	Ref	FRONT AXLE - JOINT HOUSING	
1	1321245	1	JOINT HOUSING, (right side)	
2	1321246	1	JOINT HOUSING, (left side)	
3	1319444	2	ROLLER BEARING	
4	1321166	2	ROLLER BEARING	
5	1319447	2	SHAFT SEAL	
6	8036338	2	MULTI SEAL RING	
7	1319448	AR	SHIM, A=0.2	
7	1319449	AR	SHIM, A=0.3	
7	1319450	AR	SHIM, A=0.4	
7	1319451	AR	SHIM, A=0.6	
7	1319452	AR	SHIM, A=0.8	
7	1319453	AR	SHIM, A=1.0	
7	1319454	AR	SHIM, A=1.2	
7	1319455	AR	SHIM, A=1.4	
7	1319456	AR	SHIM, A=1.6	
7	1319457	AR	SHIM, A=1.8	
7	1319458	AR	SHIM, A=2.0	
7	1319459	AR	SHIM, A=0.7	
7	1319460	AR	SHIM, A=0.5	
8	70022240	2	BEARING PIN	
9	1319461	2	BEARING PIN	
10	1319463	8	HEX SCREW	
11	1319464	8	HEX SCREW	
12	1321157	2	BALL BEARING	
13	1319210	2	RETAINING RING	
14	80304405	2	RETAINING RING	
15	1321164	2	SHAFT SEAL	
16	1321226	2	RETAINING RING	
17	1321176	2	UNIVERSAL COUPLING DRIVE SHAFT ASSY, (includes items 18 thru 23)	
18	8035992	2	CENTRAL PIECE	
19	8035993	4	JOINT CROSS	
20	8035994	2	JOINT FORK	
21	8035995	2	JOINT COUPLING FORK	
22	8035973	2	BUSHING	
23	8035996	2	SCREEN SHEET	
24	8036329	2	CASSETTE RING	
25	1319472	4	ROLLER BEARING	
26	8035997	20	HEX SCREW	
27	1319475	2	STOP SCREW	
28	8036330	2	STOP SCREW	
29	1319477	4	HEX NUT	
30	8036435	2	HUB	
31	1319470	2	O-RING	
32	8036434	16	WHEEL BOLT	
33		Ref	SPRING WASHER, (See DRIVE TRAIN COMPONENTS for Breakdown)	
34		Ref	WHEEL NUT, (See DRIVE TRAIN COMPONENTS for Breakdown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
35		Ref	RING GEAR, (See FRONT AXLE - PLANETARY DRIVE for Breakdown)	

FIGURE 5-14. FRONT AXLE - JOINT HOUSING (SN 0160038919 to Present, Including 0160033533)

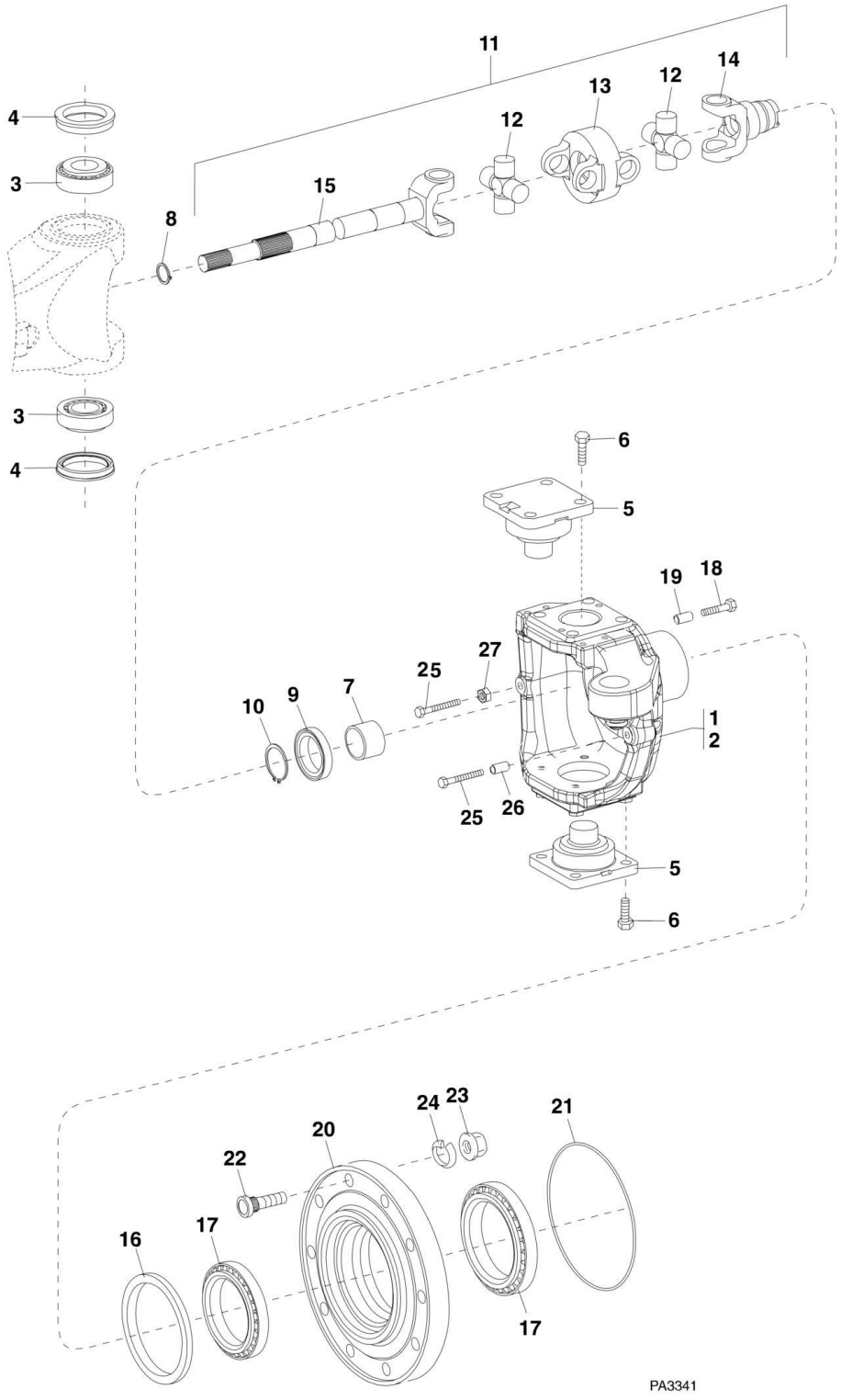


FIGURE 5-14. FRONT AXLE - JOINT HOUSING (SN 0160038919 to Present, Including 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103625	Ref	FRONT AXLE - JOINT HOUSING	
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	
11	70022781	2	UNIVERSAL COUPLING DRIVE SHAFT ASSY, (includes items 12 thru 15)	
12	70021554	2	JOINT CROSS	
13	70022782	1	CENTRAL PIECE	
14	70022187	1	FORK SHAFT	
15	70022188	1	FORK SHAFT	
16	80304173	2	SHAFT SEAL	
17	1319472	4	ROLLER BEARING	
18	70022783	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 5-15. FRONT AXLE - PLANETARY DRIVE (Prior to SN 0160038919, Excluding 0160033533)

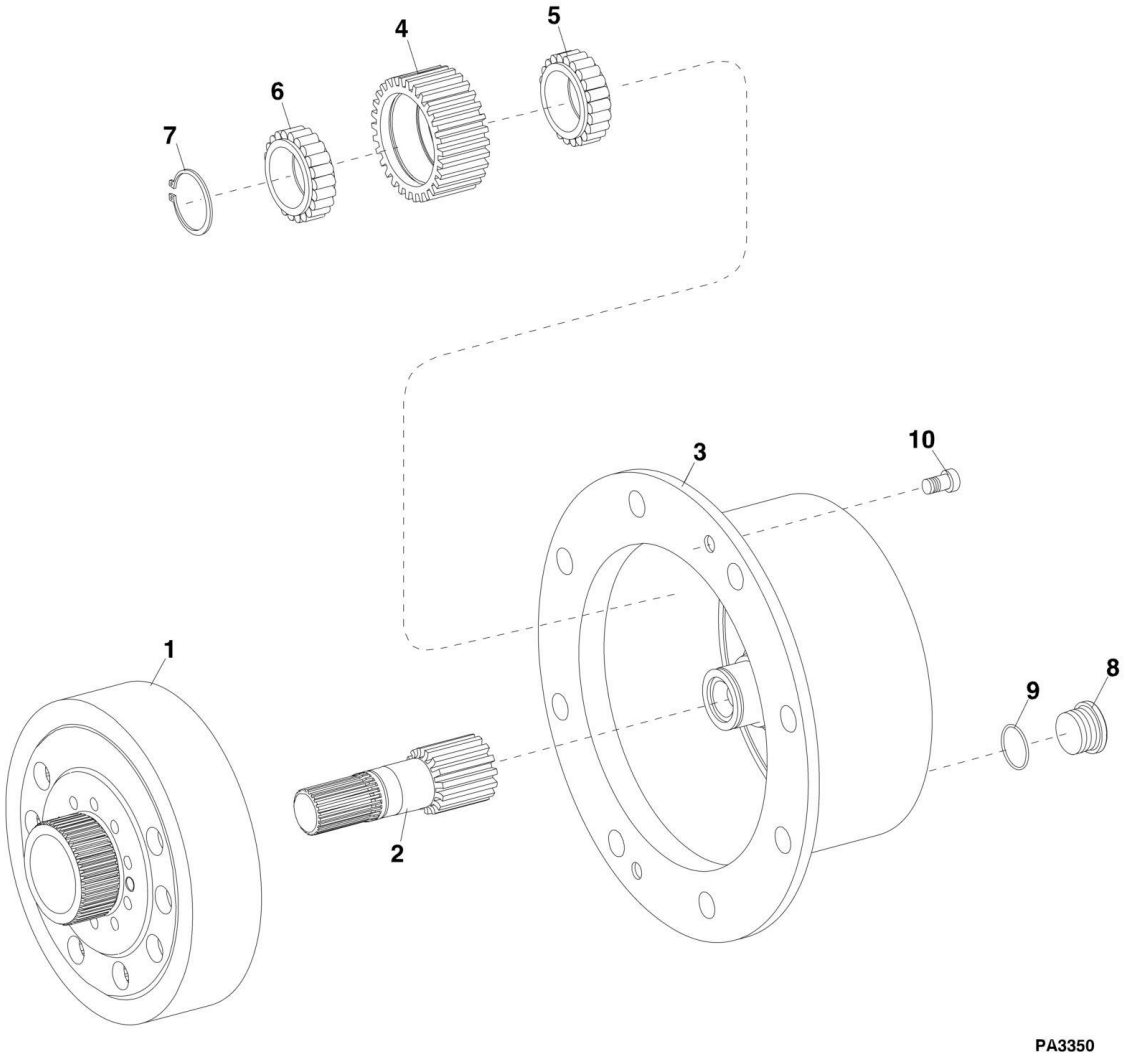


FIGURE 5-15. FRONT AXLE - PLANETARY DRIVE (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040267	Ref	FRONT AXLE - PLANETARY DRIVE	
1	1321247	2	RING GEAR	
2	1321242	2	SUN GEAR SHAFT	
3	8036436	NLA	PLANET CARRIER, (no longer available, use 70021555 for replacement)	
4	1321231	3	PLANET GEAR	
5	1319483	3	ROLLER BEARING	
6	1319484	3	ROLLER BEARING	
7	1319485	3	SNAP RING	
8	1319506	2	SCREW PLUG	
9	8036331	2	O-RING	
10	1319488	4	CAPSCREW	
	70021555	1	PLANET CARRIES ASSY (includes items 3, 4, 5 AND 8)	

FIGURE 5-16. FRONT AXLE - PLANETARY DRIVE (SN 0160038919 to Present, Including 0160033533)

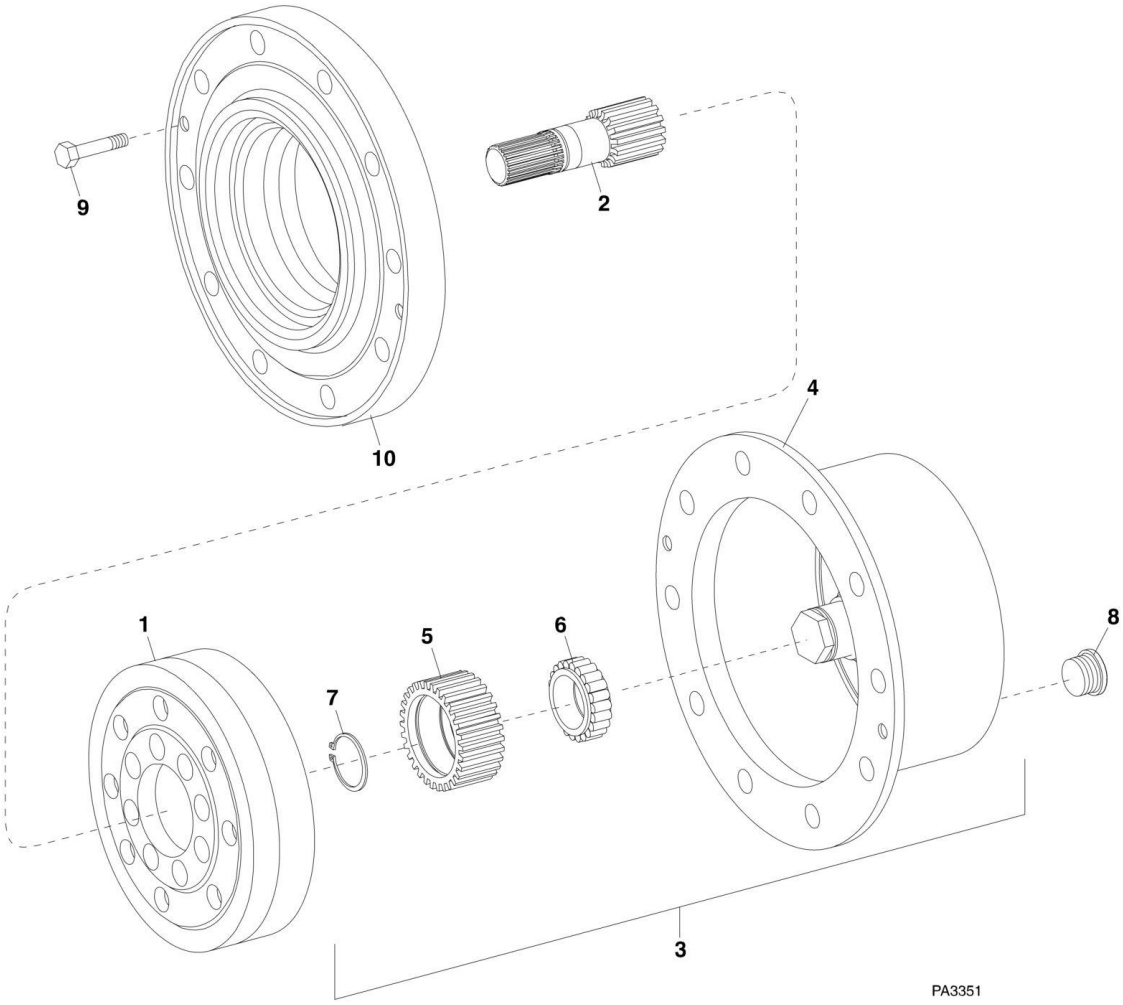


FIGURE 5-16. FRONT AXLE - PLANETARY DRIVE (SN 0160038919 to Present, Including 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103625	Ref	FRONT AXLE - PLANETARY DRIVE	
1	70022242	1	RING GEAR	
2	70022784	2	SUN GEAR SHAFT	
3	70022233	2	PLANETARY CARRIER ASSY, (includes items 4 thru 7)	
4	70022256	1	PLANETARY CARRIER	
5	70022243	3	PLANETARY GEAR	
6	70022785	3	CYL ROLLER BEARING	
7	70022197	3	RETAINING RING	
8	1319578	2	SCREW PLUG	
9	70022207	4	HEX SCREW, M12X30	
10		Ref	HUB, (See FRONT AXLE - JOINT HOUSING for Breakdown)	

FIGURE 5-17. REAR AXLE

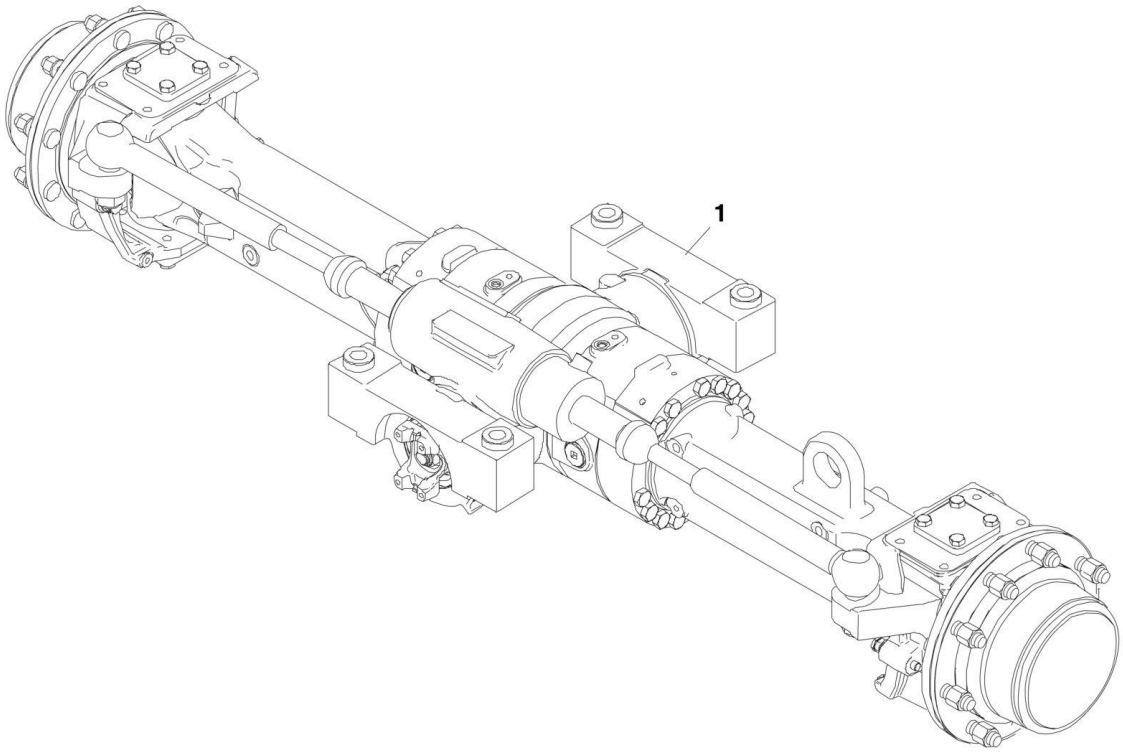


FIGURE 5-17. REAR AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8040274	1	REAR AXLE **(Prior to SN 0160038919, Excluding 0160033533)**	F
1	1001103630	1	REAR AXLE **(SN 0160038919 to Present, Including 0160033533)**	E
1		Ref	INPUT, (See REAR AXLE - INPUT for Breakdown)	
1		Ref	LIMITED SLIP DIFFERENTIAL, (See REAR AXLE - DIFFERENTIAL for Breakdown)	
1		Ref	AXLE CASING, (See REAR AXLE - AXLE CASING for Breakdown)	
1		Ref	M-DISK BRAKE, (See REAR AXLE - M-DISK 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 5-18. REAR AXLE - INPUT (Prior to SN 0160038919, Excluding 0160033533)

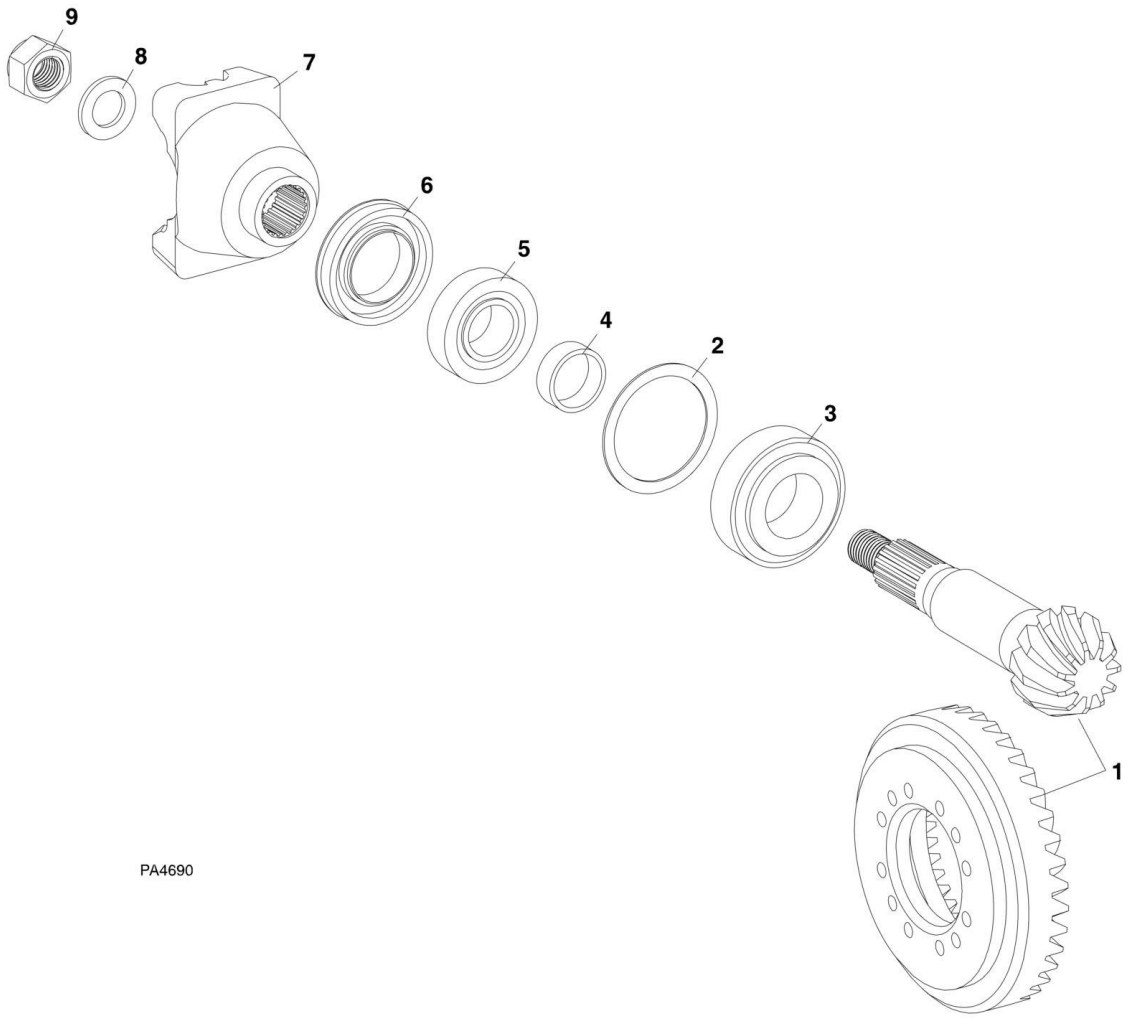


FIGURE 5-18. REAR AXLE - INPUT (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040274	Ref	REAR AXLE - INPUT	
1	8036751	1	BEVEL GEAR SET	
2	1319333	1	SHIM, S=1.0	
2	1319334	1	SHIM, S=1.05	
2	1319335	1	SHIM, S=1.10	
2	1319336	1	SHIM, S=1.15	
2	1319337	1	SHIM, S=1.20	
2	1319338	1	SHIM, S=1.25	
2	1319339	1	SHIM, S=1.30	
2	1319340	1	SHIM, S=1.35	
2	1319341	1	SHIM, S=1.40	
2	1319342	1	SHIM, S=1.45	
2	1319343	1	SHIM, S=1.50	
2	1319344	1	SHIM, S=1.55	
2	1319345	1	SHIM, S=1.60	
2	1319346	1	SHIM, S=0.90	
2	1319347	1	SHIM, S=0.95	
2	1319348	1	SHIM, S=0.65	
2	1319349	1	SHIM, S=0.70	
2	1319350	1	SHIM, S=0.75	
2	1319351	1	SHIM, S=0.85	
2	1319352	1	SHIM, S=0.80	
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	
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	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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	1319392	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	SEAL SHAFT	
7	1321237	1	END YOKE	
8	1319406	1	WASHER	
9	8035983	1	HEX NUT	

FIGURE 5-19. REAR AXLE - INPUT (SN 0160038919 to Present, Including 0160033533)

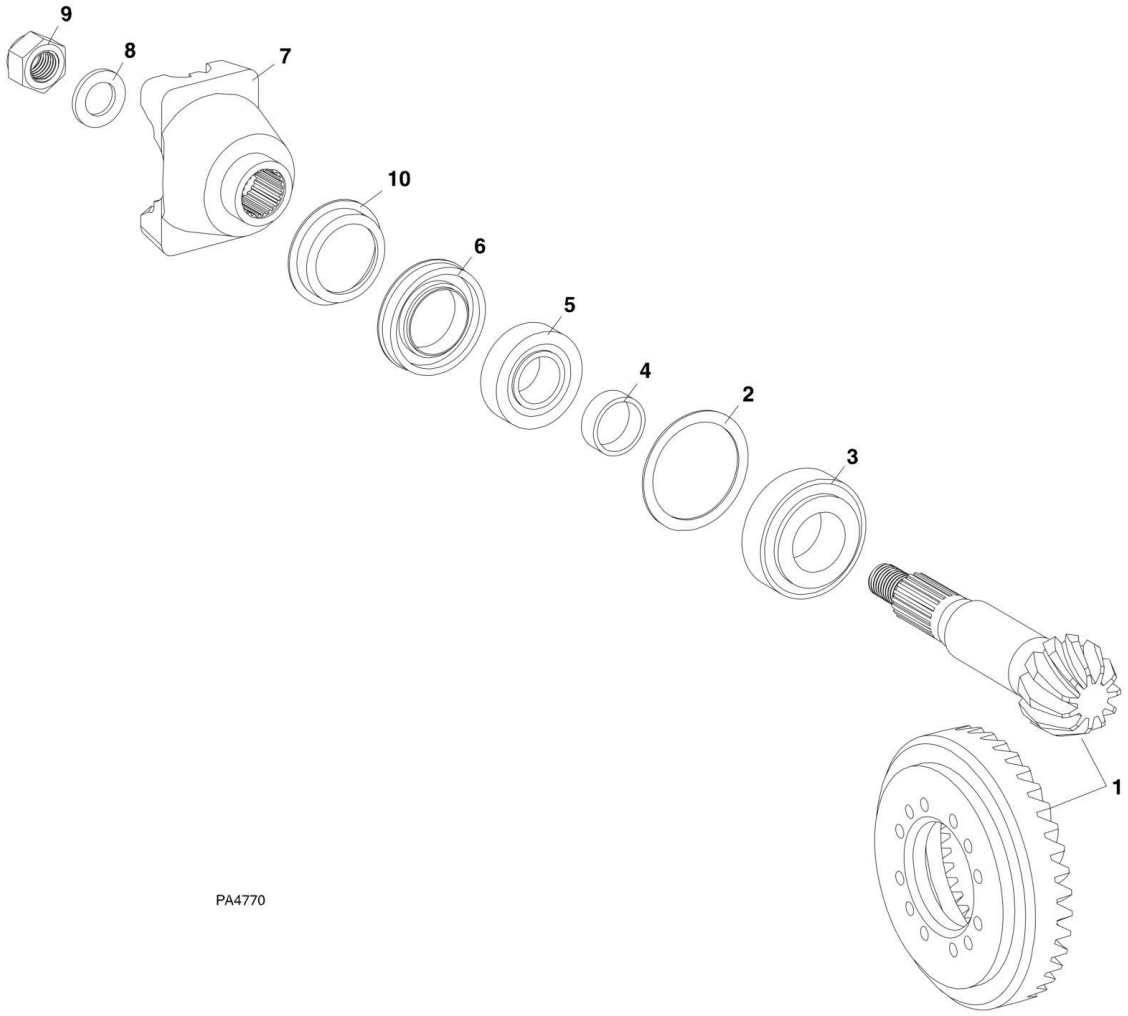


FIGURE 5-19. REAR AXLE - INPUT (SN 0160038919 to Present, Including 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103630	Ref	REAR AXLE - INPUT	
1	70022280	1	BEVEL GEAR SET	
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=16.00	
4	80304089	1	RING, S=16.10	
4	80304090	1	RING, S=16.20	
4	80304091	1	RING, S=16.30	
4	80304092	1	RING, S=16.40	
4	80304093	1	RING, S=16.50	
4	80304094	1	RING, S=16.60	
4	80304095	1	RING, S=16.70	
4	80304096	1	RING, S=16.80	
4	80304097	1	RING, S=16.92	
4	80304099	1	RING, S=17.10	
4	80304100	1	RING, S=17.20	
4	80304101	1	RING, S=17.30	
4	80304102	1	RING, S=17.40	
4	80304104	1	RING, S=16.86	
4	80304107	1	RING, S=16.98	
4	80304108	1	RING, S=17.04	
4	80304110	1	RING, S=16.56	
4	80304111	1	RING, S=16.62	
4	80304112	1	RING, S=16.64	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
4	80304113	1	RING, S=16.68	
4	80304114	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	80304119	1	RING, S=16.82	
4	80304120	1	RING, S=16.84	
4	80304121	1	RING, S=16.88	
4	80304122	1	RING, S=16.90	
4	80304123	1	RING, S=16.94	
4	80304124	1	RING, S=16.66	
4	80304125	1	RING, S=16.96	
4	80304126	1	RING, S=17.00	
4	80304127	1	RING, S=17.02	
4	80304128	1	RING, S=17.06	
4	80304129	1	RING, S=17.08	
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	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	
5	1319353	1	ROLLER BEARING	
6	70022220	1	SEAL SHAFT	
7	70022245	1	END YOKE	
8	80304082	1	WASHER	
9	70022213	1	HEX NUT	
10	70022244	1	SCREEN SHEET	

FIGURE 5-20. REAR AXLE - DIFFERENTIAL (Prior to SN 0160038919, Excluding 0160033533)

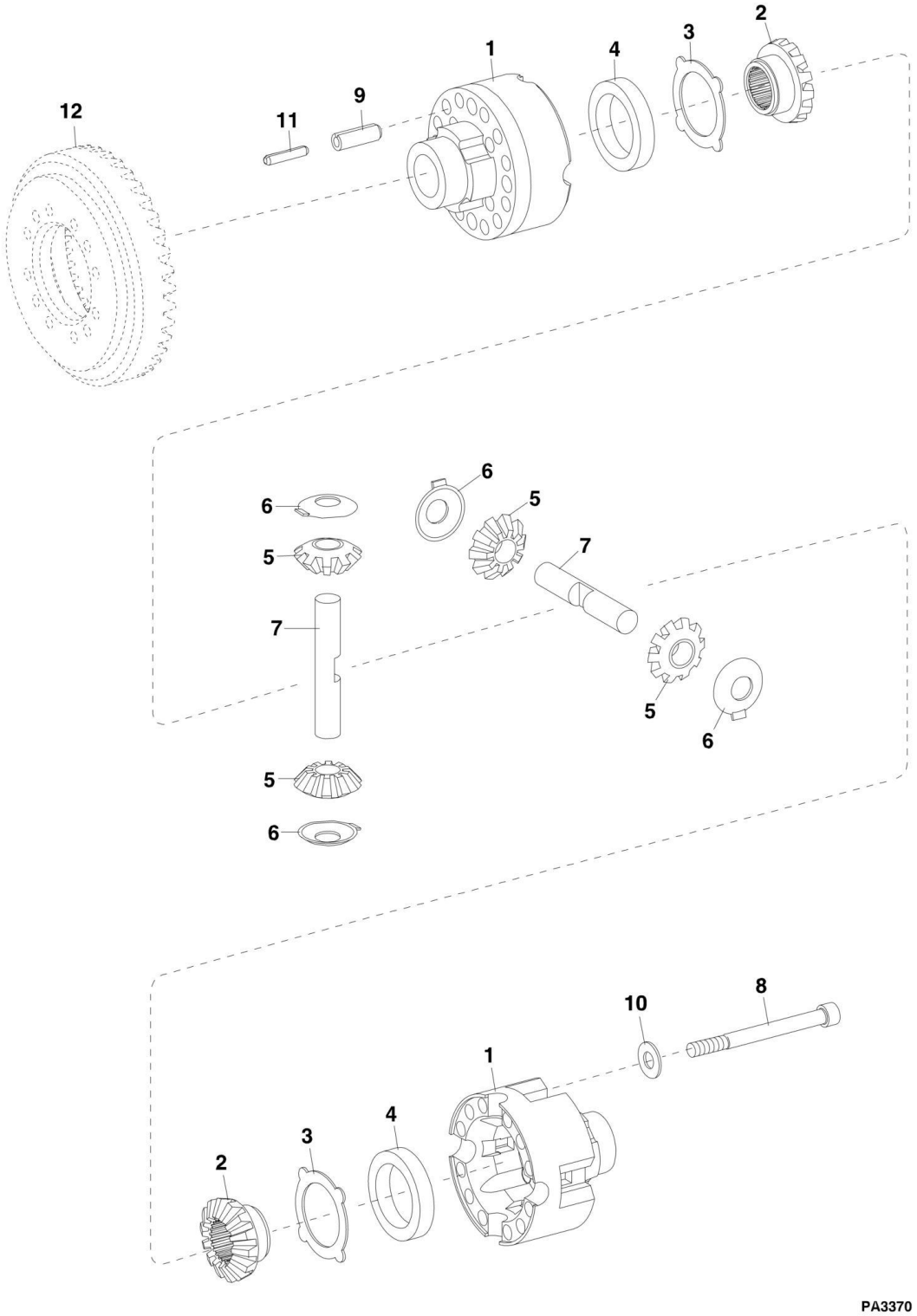


FIGURE 5-20. REAR AXLE - DIFFERENTIAL (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040274	Ref	REAR AXLE - DIFFERENTIAL	
1	N.S.S.	1	DIFFERENTIAL CASE	
2	1321223	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	1321262	4	DIFFERENTIAL BEVEL GEAR	
6	1321188	4	THRUST WASHER	
7	1321224	2	DIFFERENTIAL AXLE	
8	8035985	12	CAPSCREW	
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 5-21. REAR AXLE - DIFFERENTIAL (SN 0160038919 to Present, Including 0160033533)

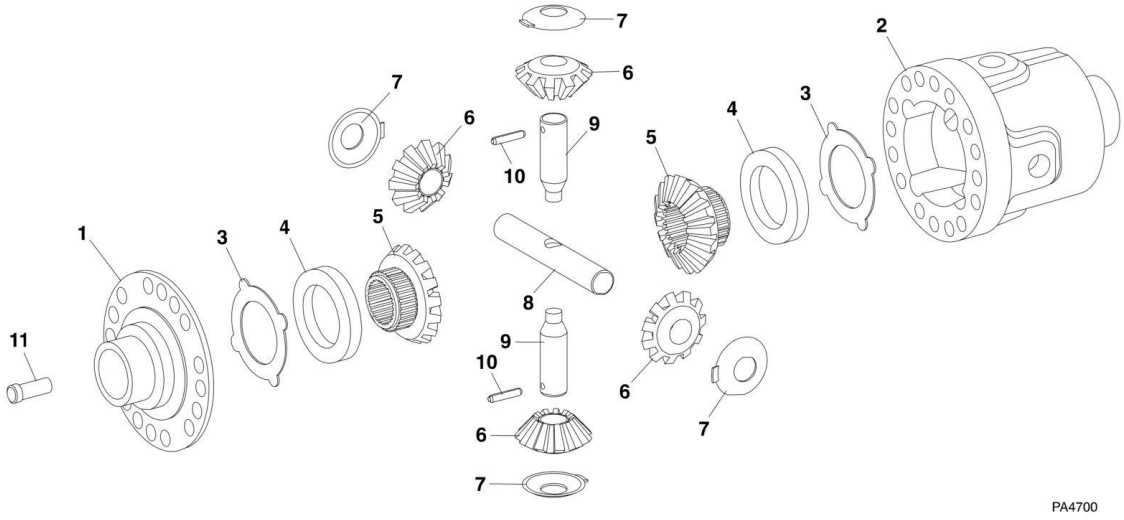
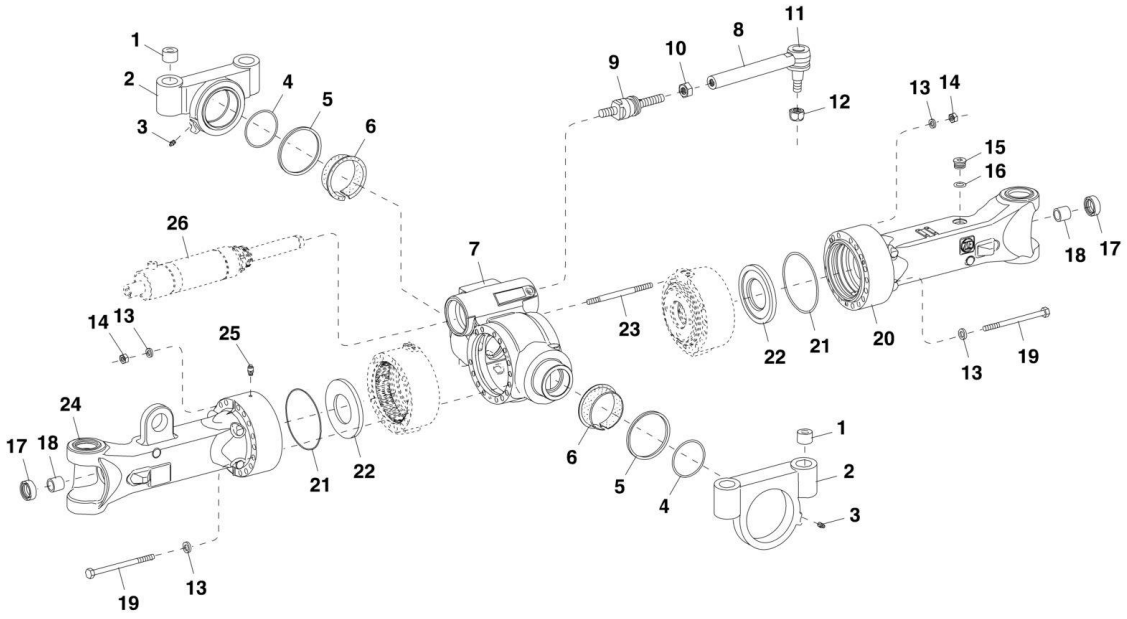
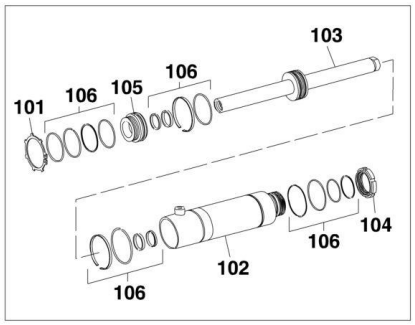


FIGURE 5-21. REAR AXLE - DIFFERENTIAL (SN 0160038919 to Present, Including 0160033533)

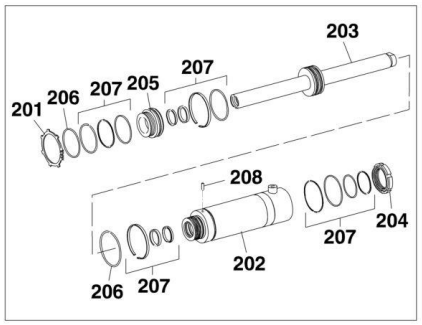
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103630	Ref	REAR AXLE - DIFFERENTIAL	
1	70022229	1	COVER	
2	70022226	1	DIFFERENTIAL CASE	
3	70022284	2	THRUST WASHER	
4	70022285	2	DIFFERENTIAL RING, A=15.0	
5	70022225	2	AXLE BEVEL GEAR	
6	70022185	4	DIFFERENTIAL BEVEL GEAR	
7	70022262	4	THRUST WASHER	
8	70022227	1	DIFFERENTIAL AXLE	
9	70022228	2	DIFFERENTIAL AXLE	
10	70022200	2	SLOT PIN	
11	70022211	16	CAPSCREW	

FIGURE 5-22. REAR AXLE - AXLE CASING (Prior to SN 0160038919, Excluding 0160033533)





PRIOR TO AXLE SN 829694



AXLE SN 829694 TO PRESENT

PU2072

FIGURE 5-22. REAR AXLE - AXLE CASING (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040274	Ref	REAR AXLE - CASING	
1	1319441	4	CENTERING BUSHING	
2	8035933	2	BRACKET	
3	1319423	2	LUBRICATION NIPPLE	
4	1319439	2	O-RING	
5	1319440	2	V-RING	
6	1319438	2	FLANGE BUSHING	
7	1321236	1	AXLE DRIVE HOUSING	
8	1321148	2	AXIAL JOINT COUPLING ASSY, (includes items 9 thru 11)	
9	8035930	2	AXIAL JOINT COUPLING	
10	8035932	2	HEX NUT	
11	8035929	2	BALL JOINT WITH PIPE COUPLING	
12	8035931	2	LOCKING NUT	
13	1319427	30	WASHER	
14	1319429	8	HEX NUT	
15	1319506	1	SCREW PLUG	
16	8036331	1	O-RING	
17	1319434	2	SHAFT SEAL	
18	1319433	2	BUSHING	
19	8035927	22	HEX SCREW	
20	8035987	1	AXLE CASING, (right rear)	
21	1319425	2	O-RING	
22	8035990	2	END SHIM	
23	8035989	8	STUD	
24	8035986	1	AXLE CASING, (left rear)	
25	1319436	1	BREATHER	
26	1321149	NLA	STEERING CYLINDER, (Prior to Axle SN 829694), (no longer available, use 70021617 for replacement or items 101 thru 106 for service)	
26	70021617	1	STEERING CYLINDER, (Axle SN 829694 to Present), (includes items 201 thru 208)	
101	N.S.S.	NLA	L-RING, (no longer available, use 70021617 for replacement)	
102	N.S.S.	NLA	TUBE WELDMENT, (no longer available, use 70021617 for replacement)	
103	N.S.S.	NLA	PISTON ROD, (no longer available, use 70021617 for replacement)	
104	8035998	1	SLOTTED NUT	
105	N.S.S.	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 5-23. REAR AXLE - AXLE CASING (SN 0160038919 to Present, Including 0160033533)

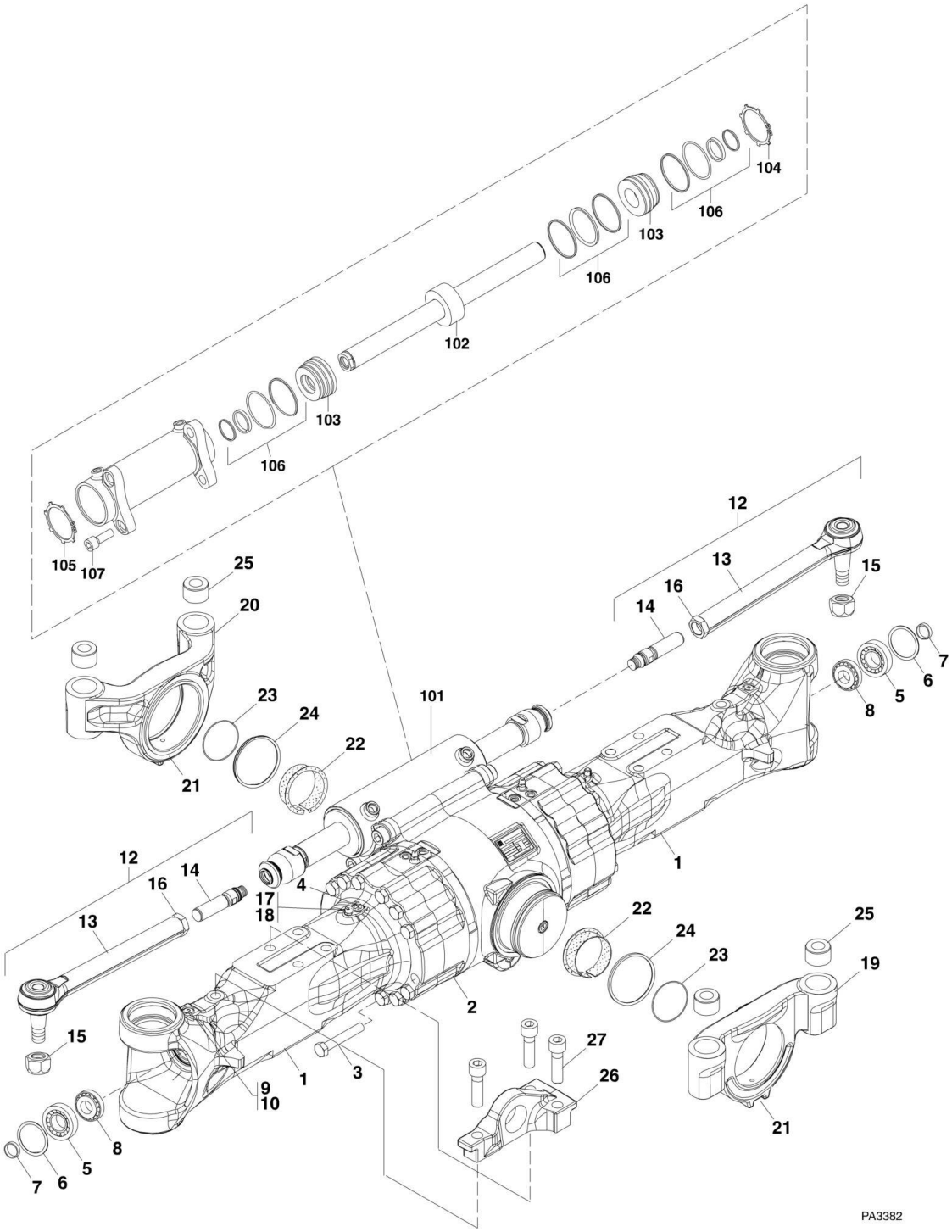


FIGURE 5-23. REAR AXLE - AXLE CASING (SN 0160038919 to Present, Including 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103630	Ref	REAR AXLE - CASING	
1	70022255	2	AXLE CASING	
2	70022259	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	
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	70022246	1	BRACKET	
20	70022247	1	BRACKET	
21	1319423	2	GREASE FITTING	
22	70022182	2	FLANGE BUSHING	
23	70022205	2	O-RING	
24	70022219	2	V-RING	
25	1319441	4	BUSHING	
26	70022254	1	BRACKET	
27	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 5-24. REAR AXLE - M-DISK BRAKE (Prior to SN 0160038919, Excluding 0160033533)

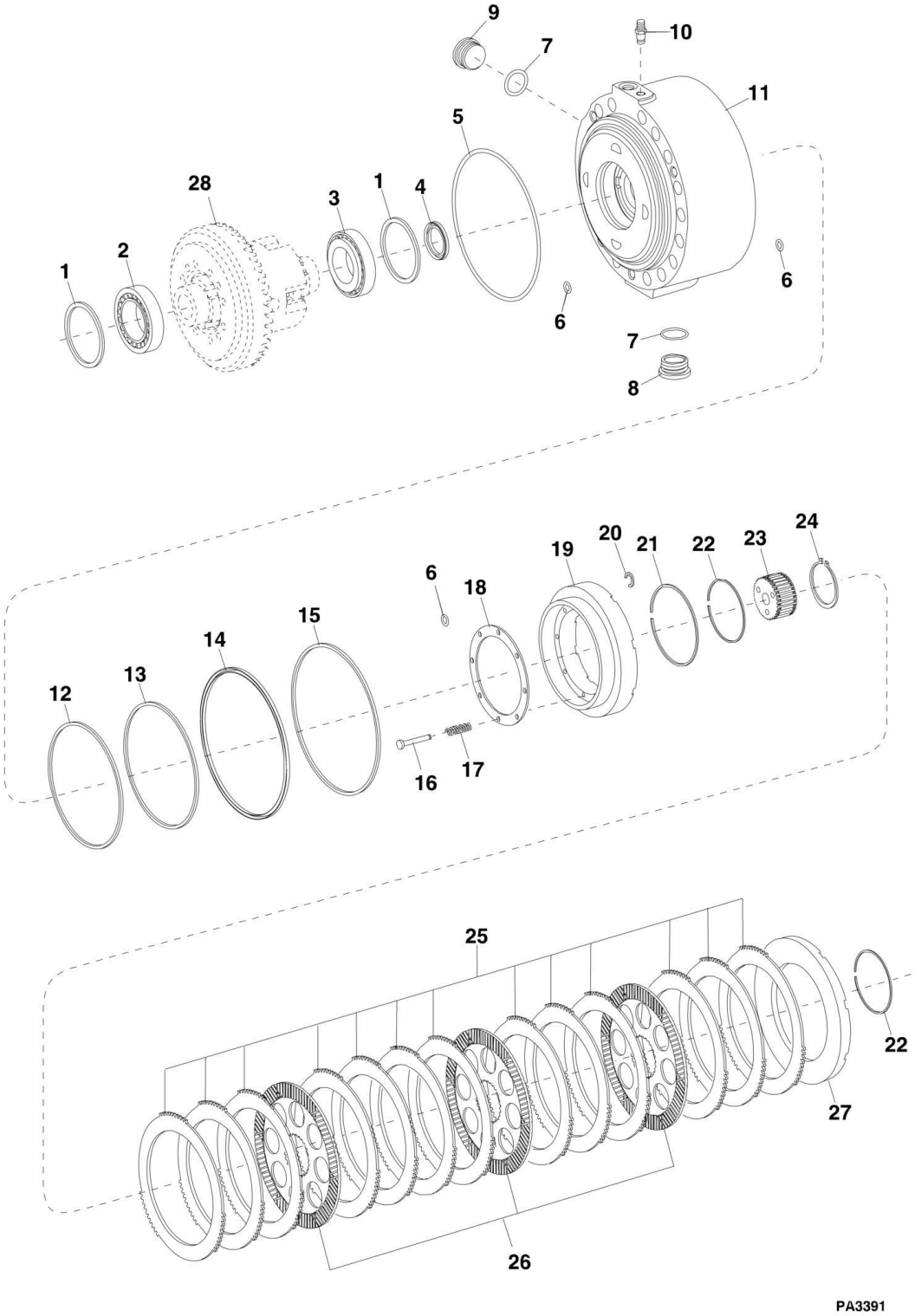


FIGURE 5-24. REAR AXLE - M-DISK BRAKE (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040274	Ref	REAR AXLE- BRAKE	
1	1319531	AR	SHIM, A=0.1	
1	8035945	AR	SHIM, A=0.15	
1	1319530	AR	SHIM, A=0.2	
1	8035946	AR	SHIM, A=0.25	
1	1319529	AR	SHIM, A=0.3	
1	8035947	AR	SHIM, A=0.35	
1	8035951	AR	SHIM, A=0.4	
1	1319543	AR	SHIM, A=0,45	
1	1319527	AR	SHIM, A=0.5	
1	1321158	AR	SHIM, A=0.55	
1	1319526	AR	SHIM, A=0.6	
1	1319532	AR	SHIM, A=0.65	
1	1319533	AR	SHIM, A=0.7	
1	1319534	AR	SHIM, A=0.75	
1	1319525	AR	SHIM, A=0.8	
1	1319535	AR	SHIM, A=0.85	
1	1319536	AR	SHIM, A=0.9	
1	1319537	AR	SHIM, A=0.95	
1	1319524	AR	SHIM, A=1.0	
1	1319545	AR	SHIM, A=1.05	
1	1319538	AR	SHIM, A=1.1	
1	1319539	AR	SHIM, A=1.15	
1	1319523	AR	SHIM, A=1.2	
1	1319540	AR	SHIM, A=1.25	
1	1319541	AR	SHIM, A=1.3	
1	1319542	AR	SHIM, A=1.35	
1	1319522	AR	SHIM, A=1.4	
1	1319521	AR	SHIM, A=1.45	
1	1319520	AR	SHIM, A=1.5	
1	1319519	AR	SHIM, A=1.55	
1	1319518	AR	SHIM, A=1.6	
1	1319517	AR	SHIM, A=1.65	
1	1319510	AR	SHIM, A=2.0	
1	1321159	AR	SHIM, A=1.47	
1	8035948	AR	SHIM, A=1.63	
1	1319515	AR	SHIM, A=1.75	
1	1319516	AR	SHIM, A=1.7	
1	1319514	AR	SHIM, A=1.8	
1	1319513	AR	SHIM, A=1.85	
1	1319512	AR	SHIM, A=1.9	
1	1319511	AR	SHIM, A=1.95	
2	8036447	2	ROLLER BEARING	
3	8036445	2	ROLLER BEARING	
4	8036444	2	SHAFT SEAL	
5	1319425	2	O-RING	
6	1319491	12	O-RING	
7	8036331	4	O-RING	
8	1319431	2	SCREW PLUG	
9	1319506	2	SCREW PLUG	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
10	1319505	2	BREATHER	
11	8035939	Ref	BRAKE HOUSING, (right side), (Prior to Axle SN 679469), (see note N1)	
11	70020484	1	BRAKE HOUSING, (right side), (Axle SN 679469 to Present)	
11	8035936	Ref	BRAKE HOUSING, (left side), (Prior to Axle SN 679469), (see note N1), (not shown)	
11	70020483	1	BRAKE HOUSING, (left side), (Axle SN 679469 to Present), (not shown)	
12	1321151	2	SUPPORT RING	
13	1321162	2	U-RING	
14	1321163	2	U-RING	
15	1321152	2	SUPPORT RING	
16	1319496	16	PIN	
17	1319497	16	COMPRESSION SPRING	
18	8036305	2	WASHER	
19	8036304	2	PISTON	
20	1319499	16	CRESCENT RING	
21	1319504	2	SNAP RING	
22	8036307	4	SNAP RING	
23	1321174	2	DISC CARRIER, (Prior to Axle SN 824742)	
23	70020409	2	DISC CARRIER, (Axle SN 824742 to Present)	
24	8036308	2	RETAINER RING	
25	1319500	26	O CLUTCH DISC, S=2.0, (Prior to Axle SN 679469)	
25	70020485	26	O CLUTCH DISC, S=2.0, (Axle SN 679469 to Present)	
25	1319501	26	O CLUTCH DISC, S=2.5, (Prior to Axle SN 679469)	
25	70020486	26	O CLUTCH DISC, S=2.5, (Axle SN 679469 to Present)	
25	1319502	26	O CLUTCH DISC, S=3.0, (Prior to Axle SN 679469)	
25	70020487	26	O CLUTCH DISC, S=3.0, (Axle SN 679469 to Present)	
26	1321150	6	I CLUTCH DISC, (Prior to Axle SN 824742)	
26	70020408	6	I CLUTCH DISC, (Axle SN 824742 to Present)	
27	8036606	2	END PLATE, (Prior to Axle SN 679469)	
27	70020413	2	END PLATE, (Axle SN 679469 to Present)	
28		Ref	DIFFERENTIAL, (See REAR AXLE - DIFFERENTIAL for Breakdown)	
N1	Note	Ref	**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 5-25. REAR AXLE - M-DISK BRAKE (SN 0160038919 to Present, Including 0160033533)

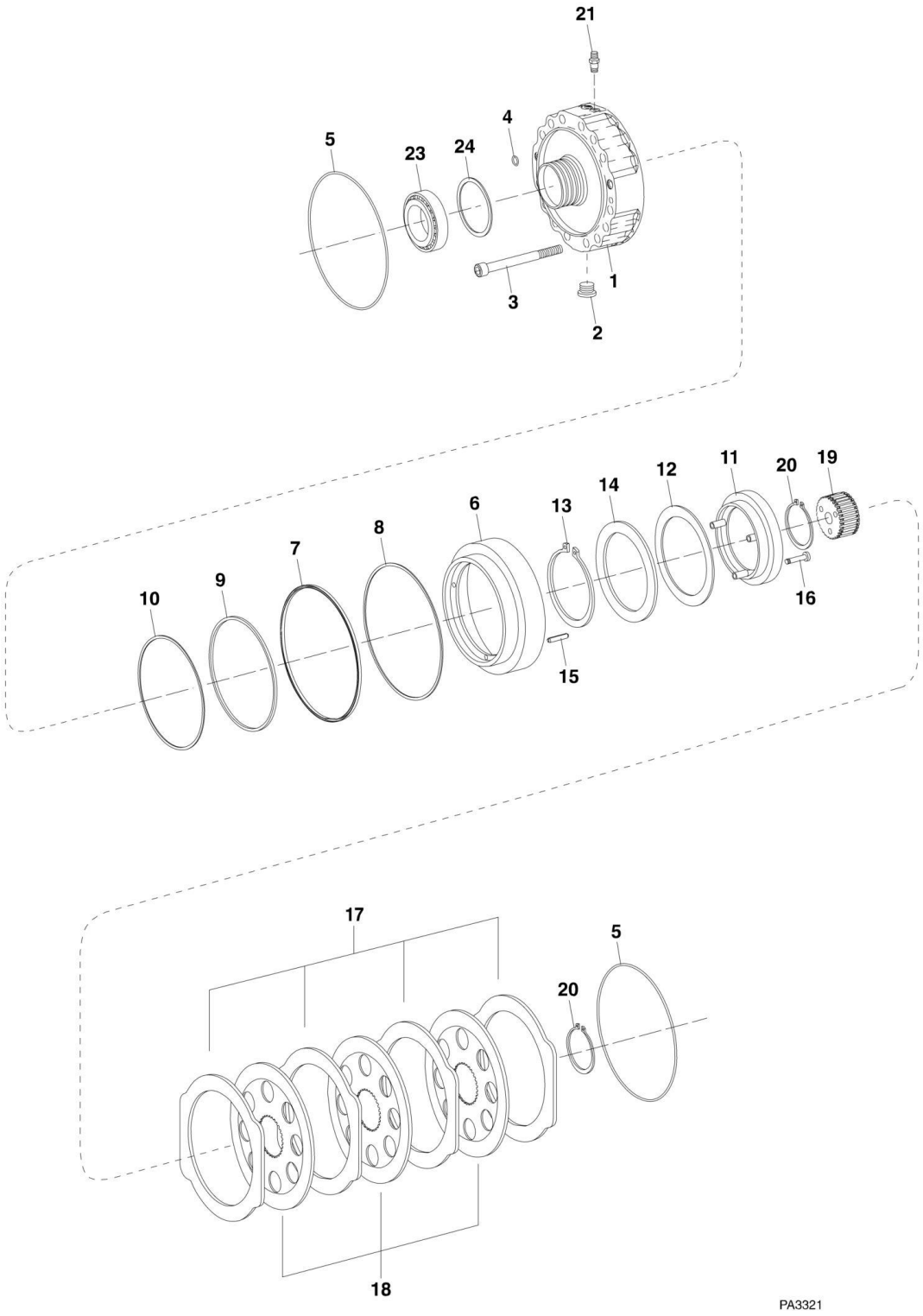


FIGURE 5-25. REAR AXLE - M-DISK BRAKE (SN 0160038919 to Present, Including 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040274	Ref	REAR AXLE- BRAKE	
1	70022282	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	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)	
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 5-26. REAR AXLE - BRAKE (Prior to SN 0160038919, Excluding 0160033533)

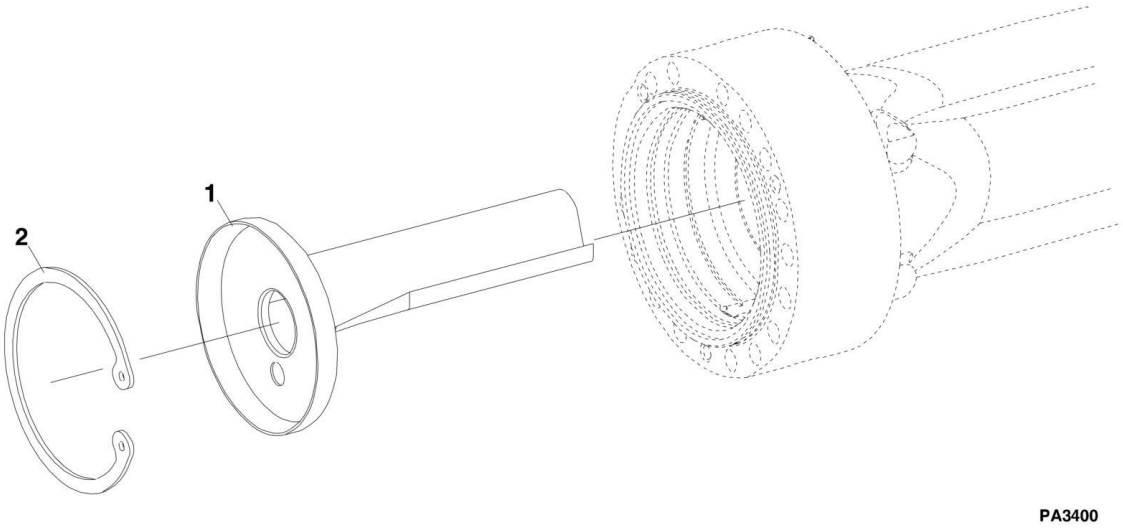


FIGURE 5-26. REAR AXLE - BRAKE (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040274	Ref	REAR AXLE- BRAKE	
	1001103630	Ref	FRONT AXLE- BRAKE	
1	1321172	2	PIN CARRIER	
2	1321178	2	RETAINING RING	

FIGURE 5-27. REAR AXLE - JOINT HOUSING (Prior to SN 0160038919, Excluding 0160033533)

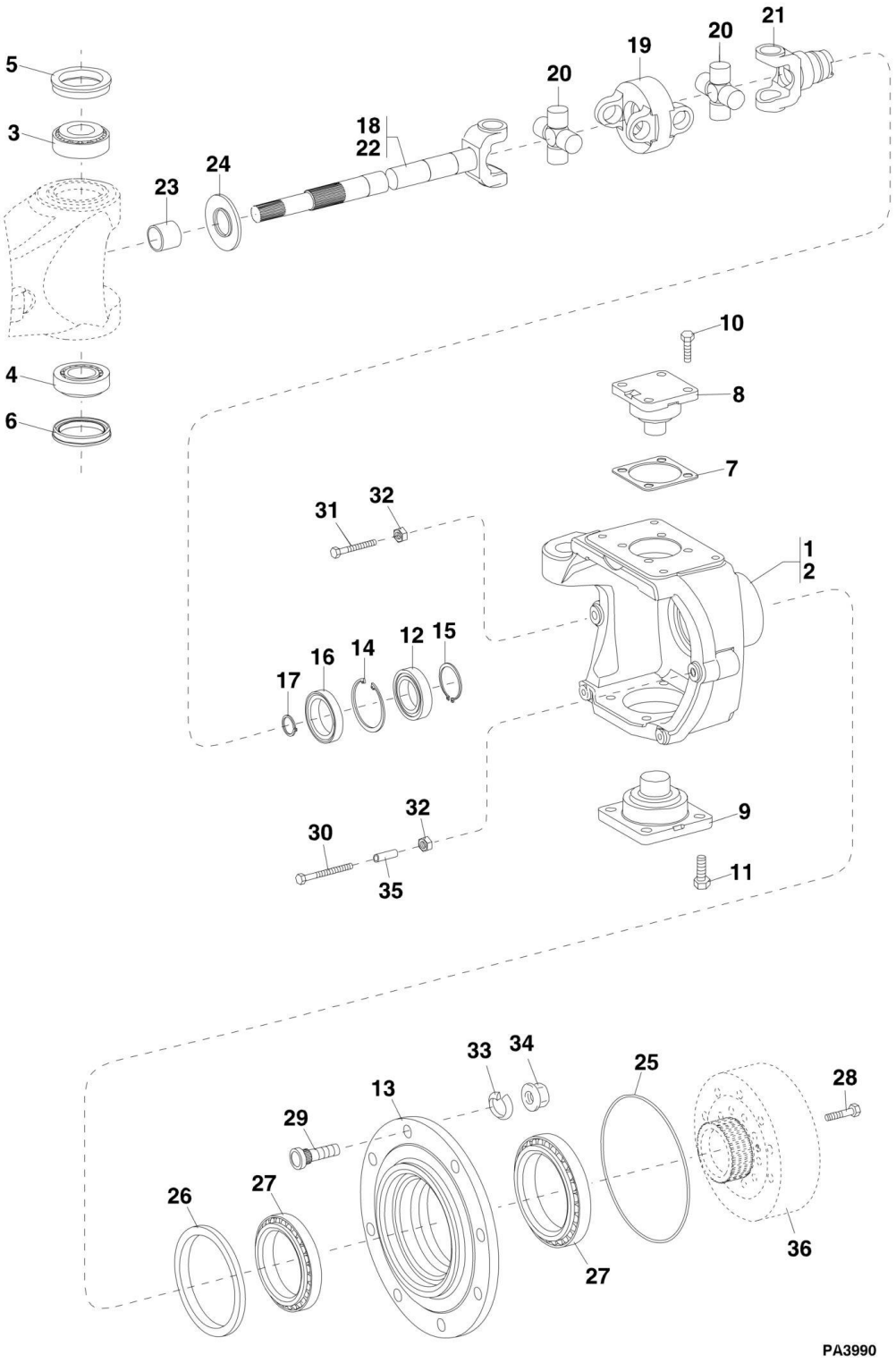


FIGURE 5-27. REAR AXLE - JOINT HOUSING (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040274	Ref	REAR AXLE - JOINT HOUSING	
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	AR	SHIM, S=0.2	
7	1319449	AR	SHIM, S=0.3	
7	1319450	AR	SHIM, S=0.4	
7	1319451	AR	SHIM, S=0.6	
7	1319452	AR	SHIM, S=0.8	
7	1319453	AR	SHIM, S=1.0	
7	1319454	AR	SHIM, S=1.2	
7	1319455	AR	SHIM, S=1.4	
7	1319456	AR	SHIM, S=1.6	
7	1319457	AR	SHIM, S=1.8	
7	1319458	AR	SHIM, S=2.0	
7	1319459	AR	SHIM, S=0.7	
7	1319460	AR	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	8036435	2	HUB	
14	1319210	2	RETAINING RING	
15	80304405	2	RETAINING RING	
16	1321164	2	SHAFT SEAL	
17	1321226	2	RETAINING RING	
18	7028979	NLA	UNIVERSAL COUPLING DRIVE SHAFT, (not maintenance free), (Prior to Axle SN 720124), (7028979 is no longer available, use 70022052 for replacement or items 19 the 24 for service)	
18	70022052	2	UNIVERSAL COUPLING DRIVE SHAFT, (maintenance free), (Axle SN 720125 to Present), (includes items 19 thru 24)	
19	8035992	2	CENTRAL PIECE, (Prior to Axle SN 720124)	
19	70021553	2	CENTRAL PIECE, (Axle SN 720125 to Present)	
20	8035993	4	JOINT CROSS, (Prior to Axle SN 720124)	
20	70021554	4	JOINT CROSS, (Axle SN 720125 to Present)	
21	8035994	2	JOINT FORK	
22	8035995	2	JOINT COUPLING FORK	
23	8035973	2	BUSHING	
24	8035996	2	SCREEN SHEET	
25	1319470	2	O-RING	
26	8036329	2	CASSETTE RING	
27	1319472	4	ROLLER BEARING	
28	8035997	20	HEX SCREW	
29	8036434	16	WHEEL BOLT	
30	1319475	2	STOP SCREW	
31	8036330	2	STOP SCREW	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
32	1319477	4	HEX NUT	
33		Ref	LOCKWASHER, (See DRIVE TRAIN COMPONENTS for Breakdown)	
34		Ref	LUG NUT, (See DRIVE TRAIN COMPONENTS for Breakdown)	
35	7139743	2	STEER ANGLE SPACER	
36		Ref	BRAKE HOUSING, (See REAR AXLE - M-DISK BRAKE for Breakdown)	
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 5-28. REAR AXLE - JOINT HOUSING (SN 0160038919 to Present, Including 0160033533)

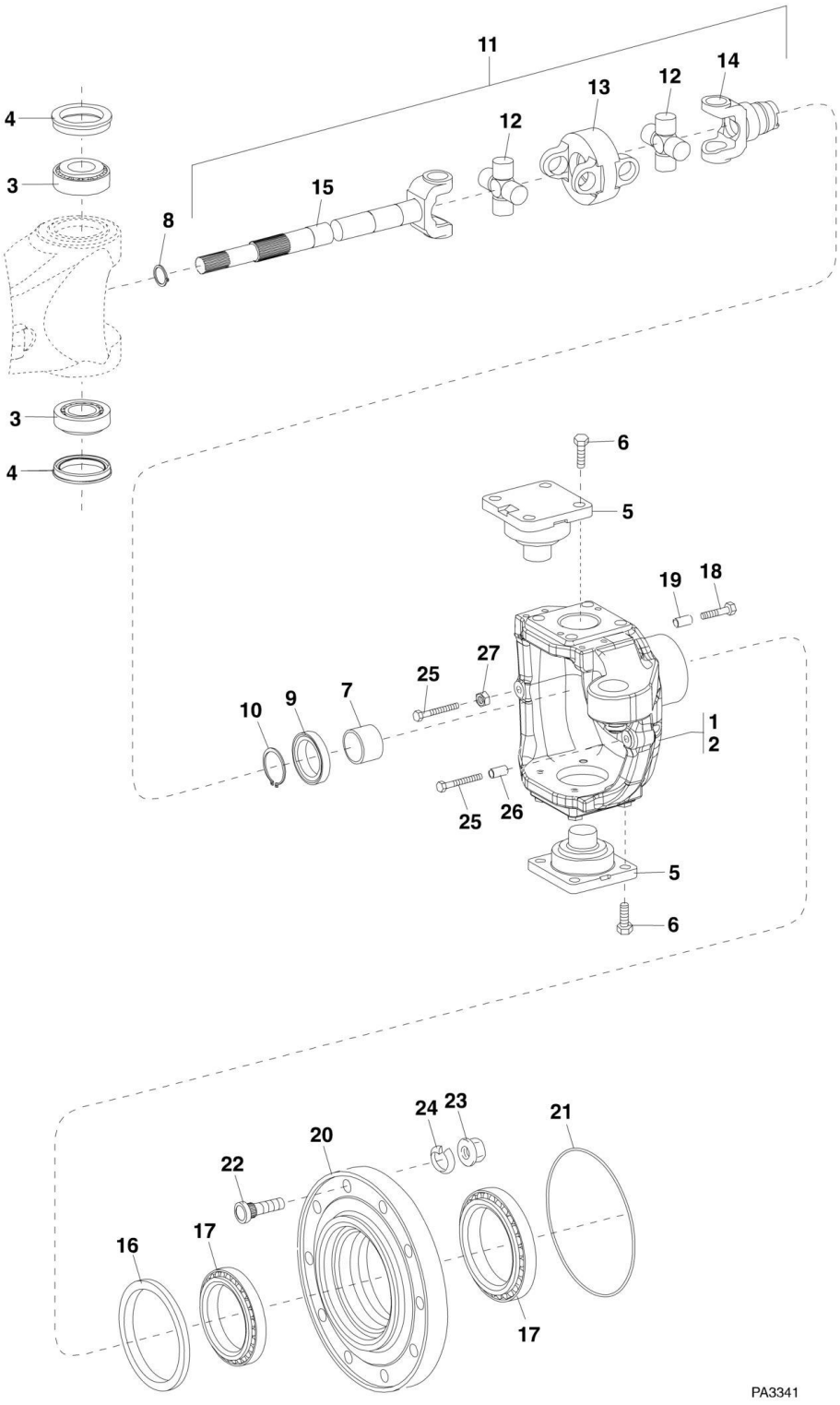


FIGURE 5-28. REAR AXLE - JOINT HOUSING (SN 0160038919 to Present, Including 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103630	Ref	REAR AXLE - JOINT HOUSING	
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	70022170	2	UNIVERSAL COUPLING DRIVE SHAFT ASSY, (includes items 12 thru 15)	
12	70021554	2	JOINT CROSS	
13	70021553	1	CENTRAL PIECE	
14	70022187	1	FORK SHAFT	
15	70022188	1	FORK SHAFT	
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 5-29. REAR AXLE - PLANETARY DRIVE (Prior to SN 0160038919, Excluding 0160033533)

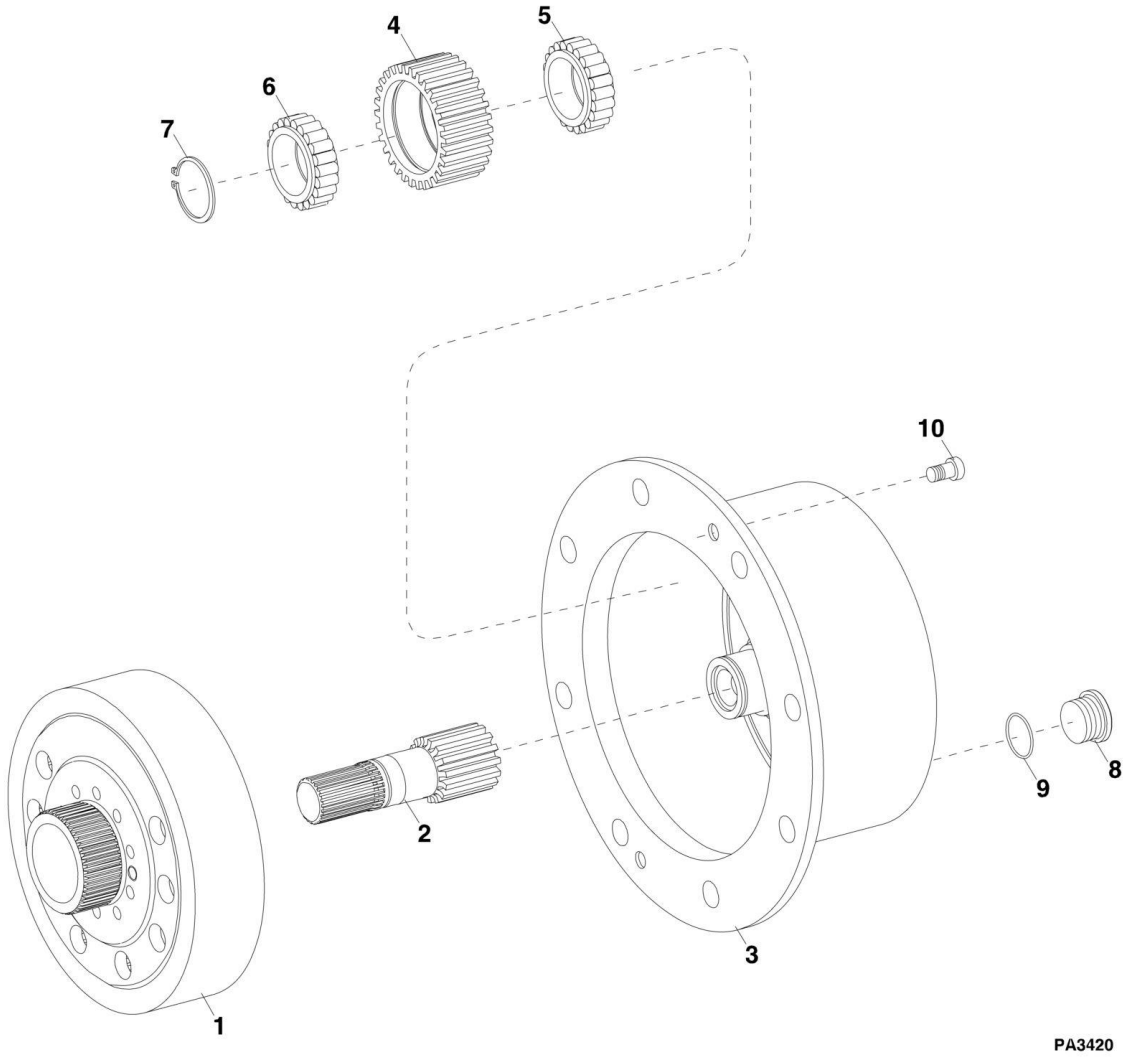


FIGURE 5-29. REAR AXLE - PLANETARY DRIVE (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8040274	Ref	REAR AXLE - PLANETARY DRIVE	
1	1321247	2	RING GEAR	
2	1321242	2	SUN GEAR SHAFT	
3	8036436	NLA	PLANET CARRIER, (no longer available, use 70021555 for replacement)	
4	1321231	3	PLANET GEAR	
5	1319483	3	ROLLER BEARING, (inner)	
6	1319484	3	ROLLER BEARING, (outer)	
7	1319485	3	SNAP RING	
8	1319506	2	SCREW PLUG	
9	8036331	2	O-RING	
10	1319488	4	CAPSCREW	
	70021555	2	PLANETARY CARRIER ASSY, (includes items 3 thru 7)	

FIGURE 5-30. REAR AXLE - PLANETARY DRIVE (SN 0160038919 to Present, Including 0160033533)

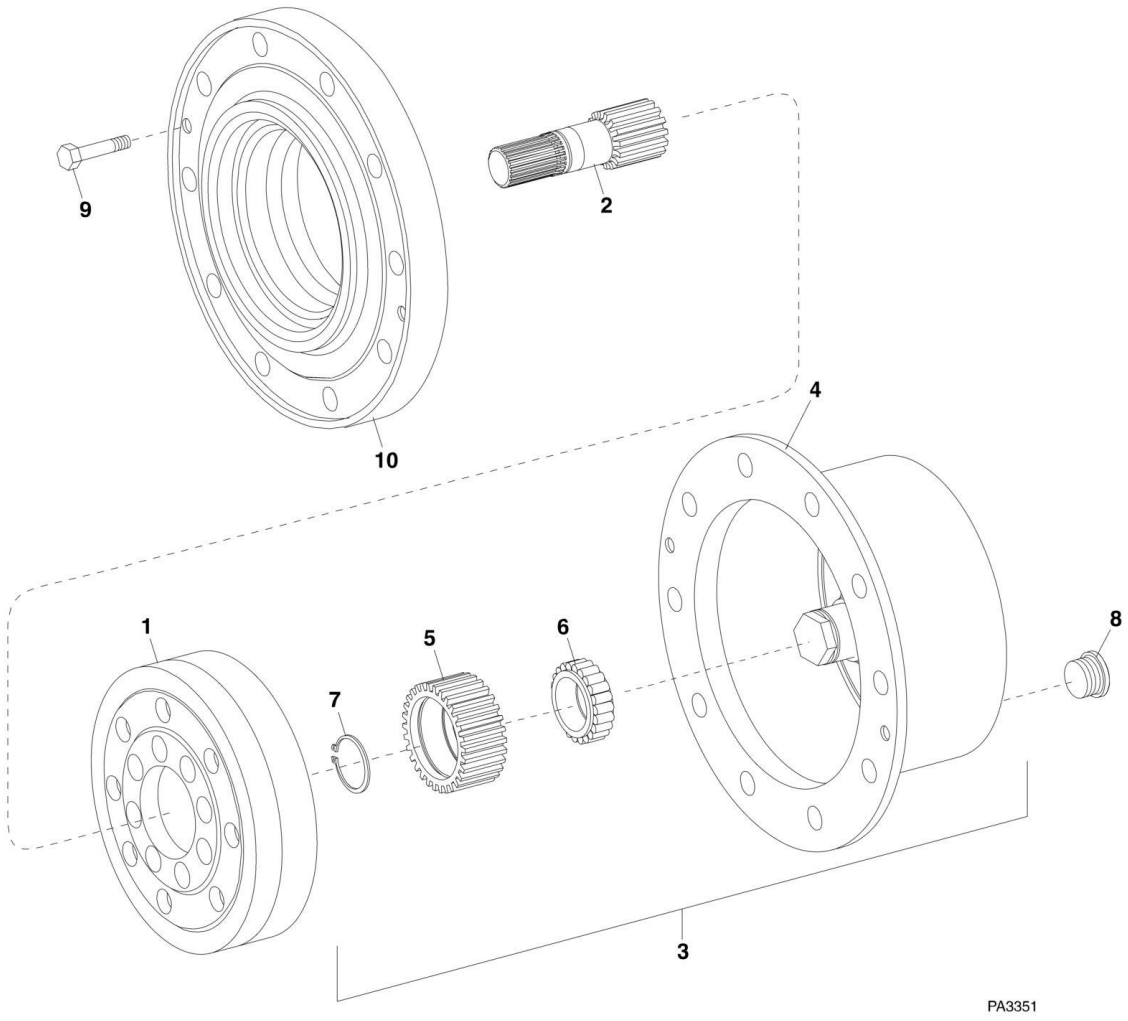
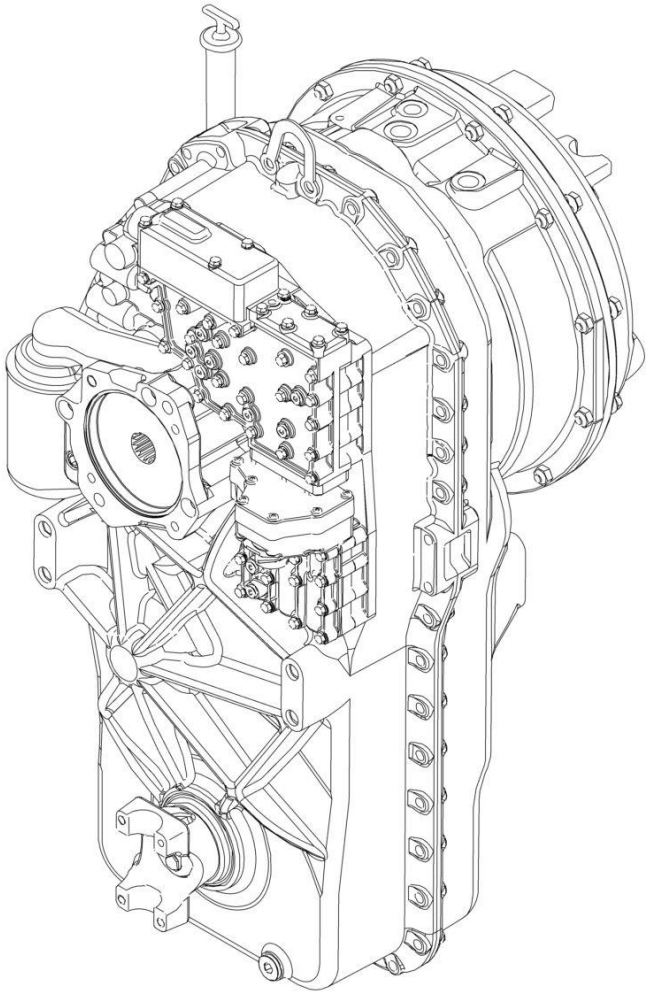


FIGURE 5-30. REAR AXLE - PLANETARY DRIVE (SN 0160038919 to Present, Including 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103630	Ref	REAR AXLE - PLANETARY DRIVE	
1	70022242	1	RING GEAR	
2	70022239	2	SUN GEAR SHAFT	
3	70022233	2	PLANETARY CARRIER ASSY, (includes items 4 thru 7)	
4	70022256	1	PLANETARY CARRIER	
5	70022243	3	PLANETARY GEAR	
6	70022221	3	CYL ROLLER BEARING	
7	70022197	3	RETAINING RING	
8	1319578	2	SCREW PLUG	
9	70022207	4	HEX SCREW, M12X30	
10		Ref	HUB, (See FRONT AXLE - JOINT HOUSING for Breakdown)	

FIGURE 5-31. TRANSMISSION



ART_8841036_1-C

FIGURE 5-31. 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 5-32. TRANSMISSION, ENGINE CONNECTION AND CONVERTER

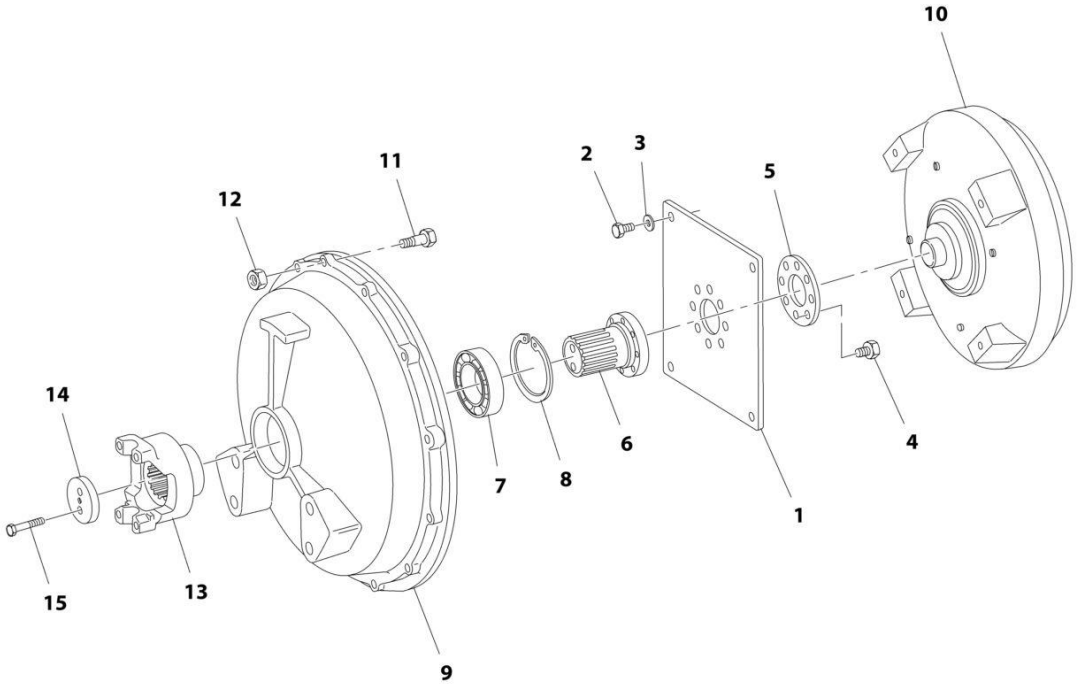


FIGURE 5-32. TRANSMISSION, ENGINE CONNECTION AND CONVERTER

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 5-33. TRANSMISSION, INPUT SHAFTS

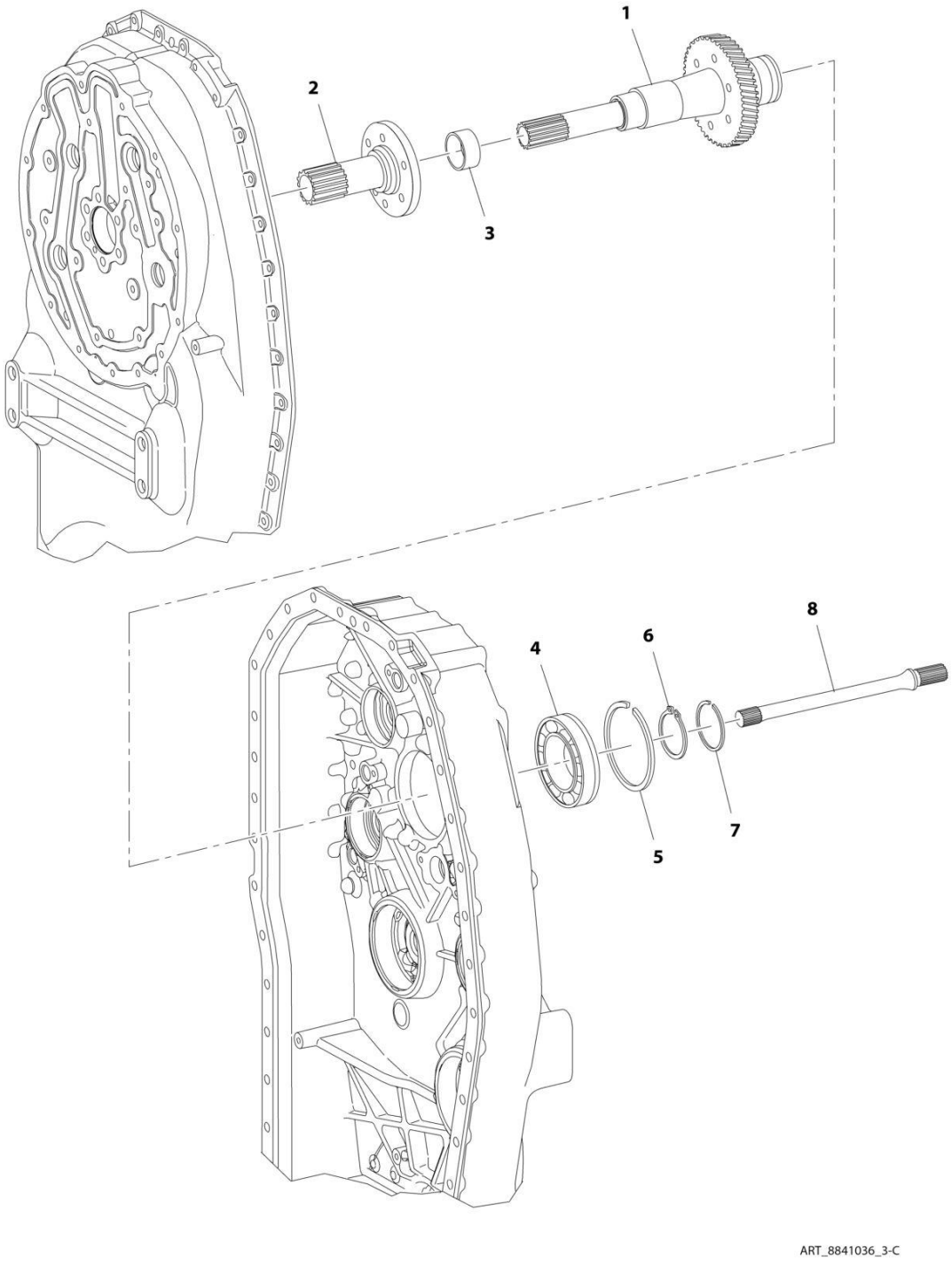


FIGURE 5-33. TRANSMISSION, INPUT SHAFTS

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 5-34. TRANSMISSION, GEARBOX HOUSING

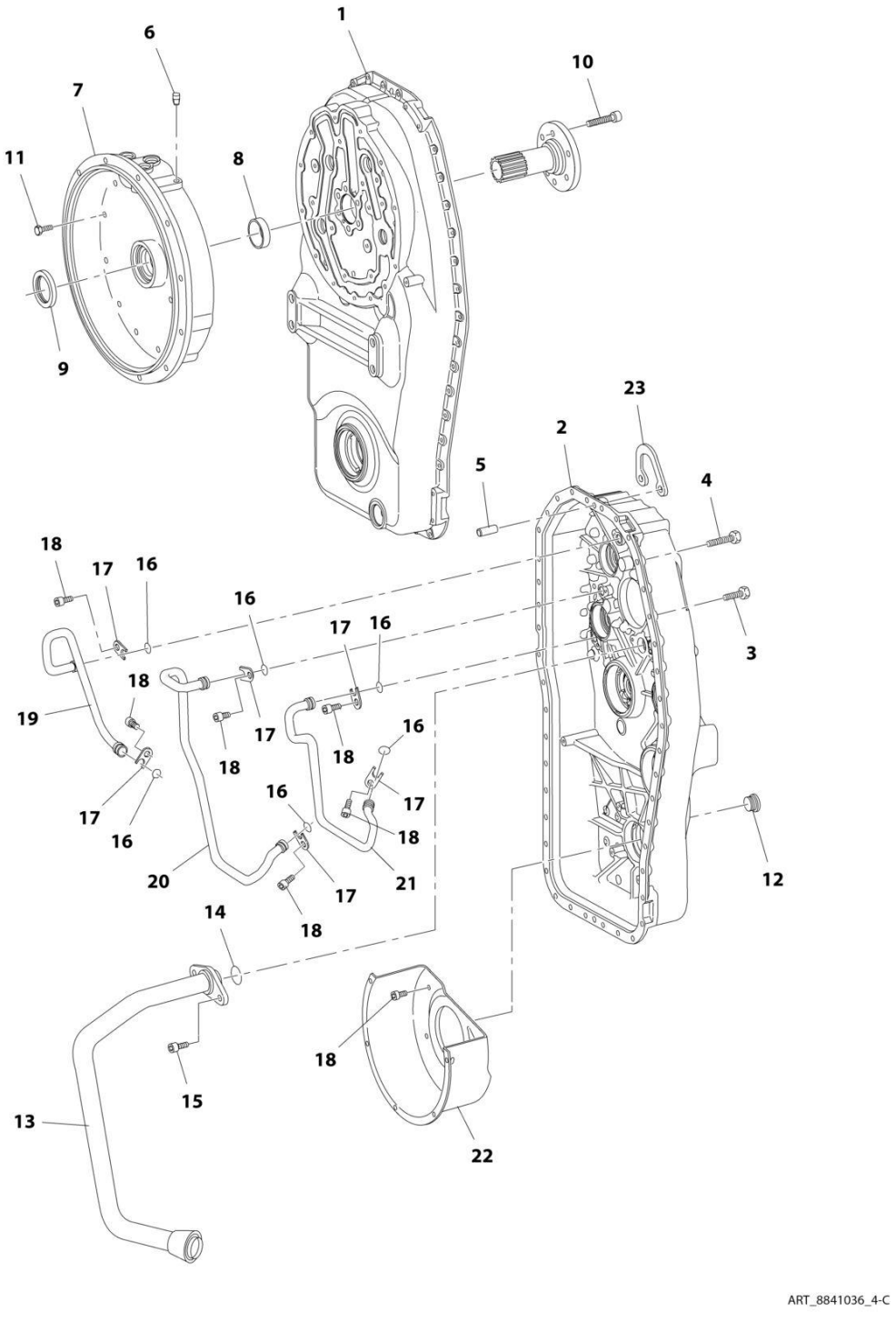


FIGURE 5-34. TRANSMISSION, GEARBOX HOUSING

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 5-35. TRANSMISSION, COUPLING GROUP 1

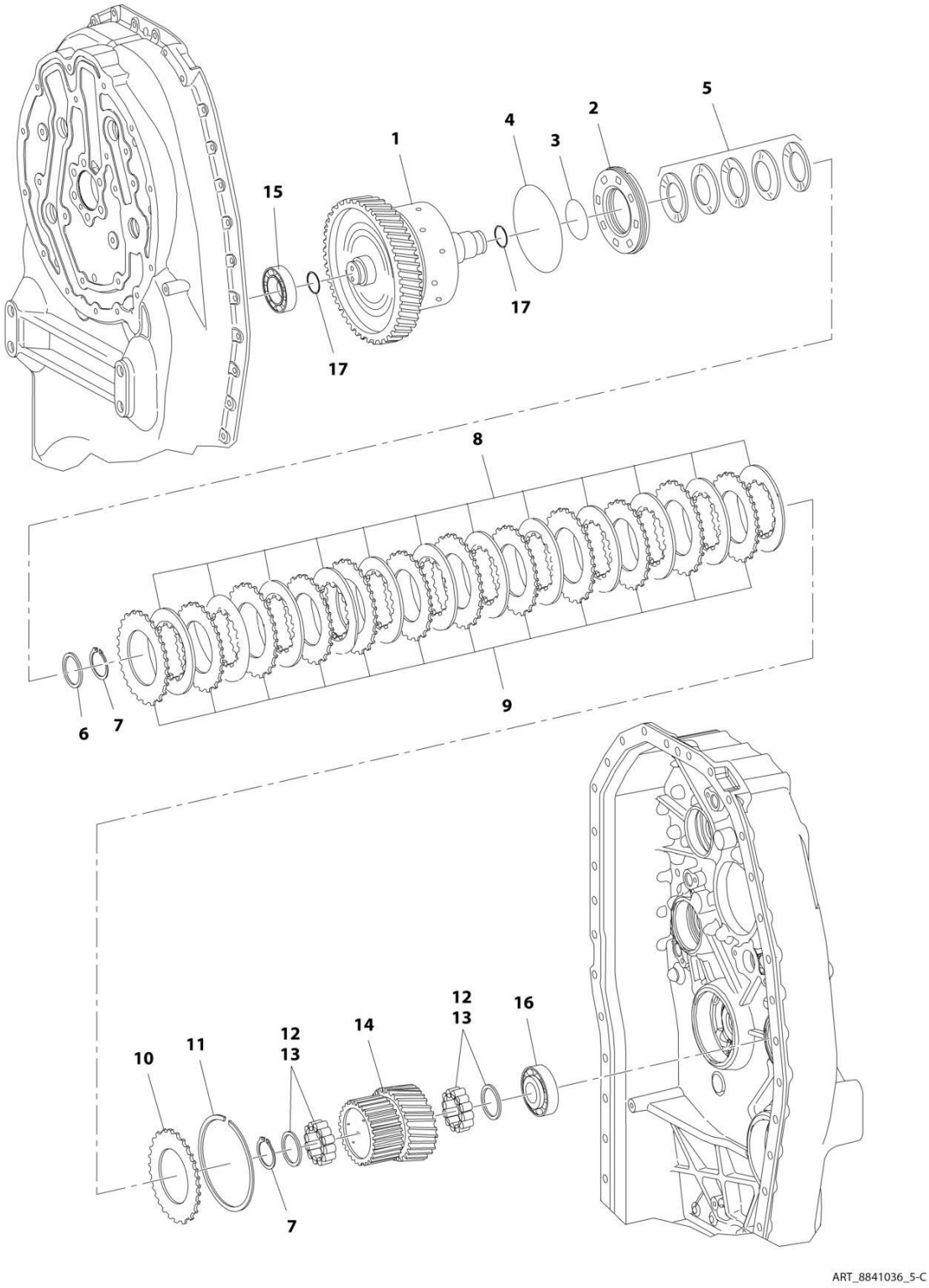


FIGURE 5-35. TRANSMISSION, COUPLING GROUP 1

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 5-36. TRANSMISSION, COUPLING GROUP 2

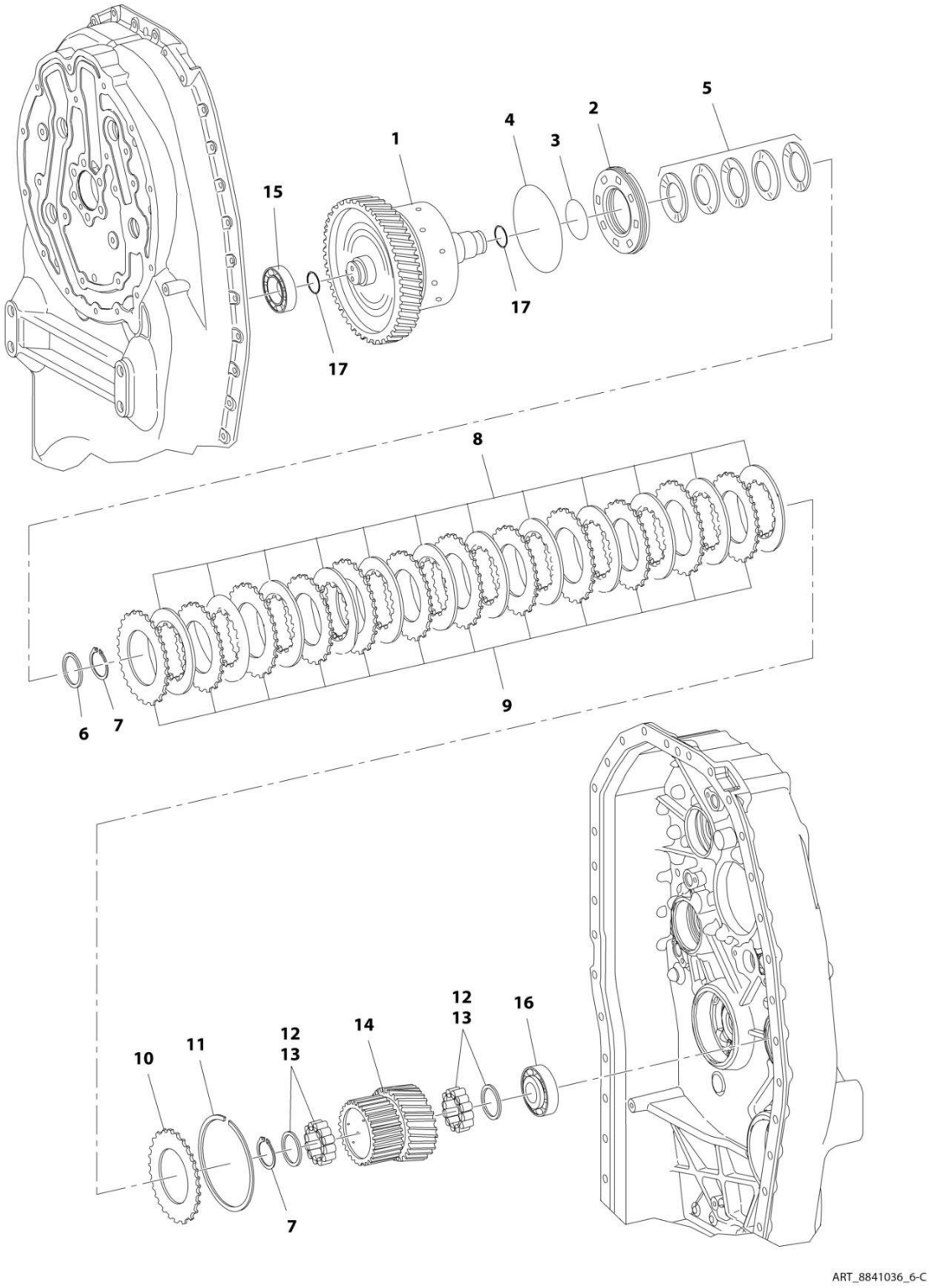


FIGURE 5-36. TRANSMISSION, COUPLING GROUP 2

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 5-37. TRANSMISSION, COUPLING GROUP 3

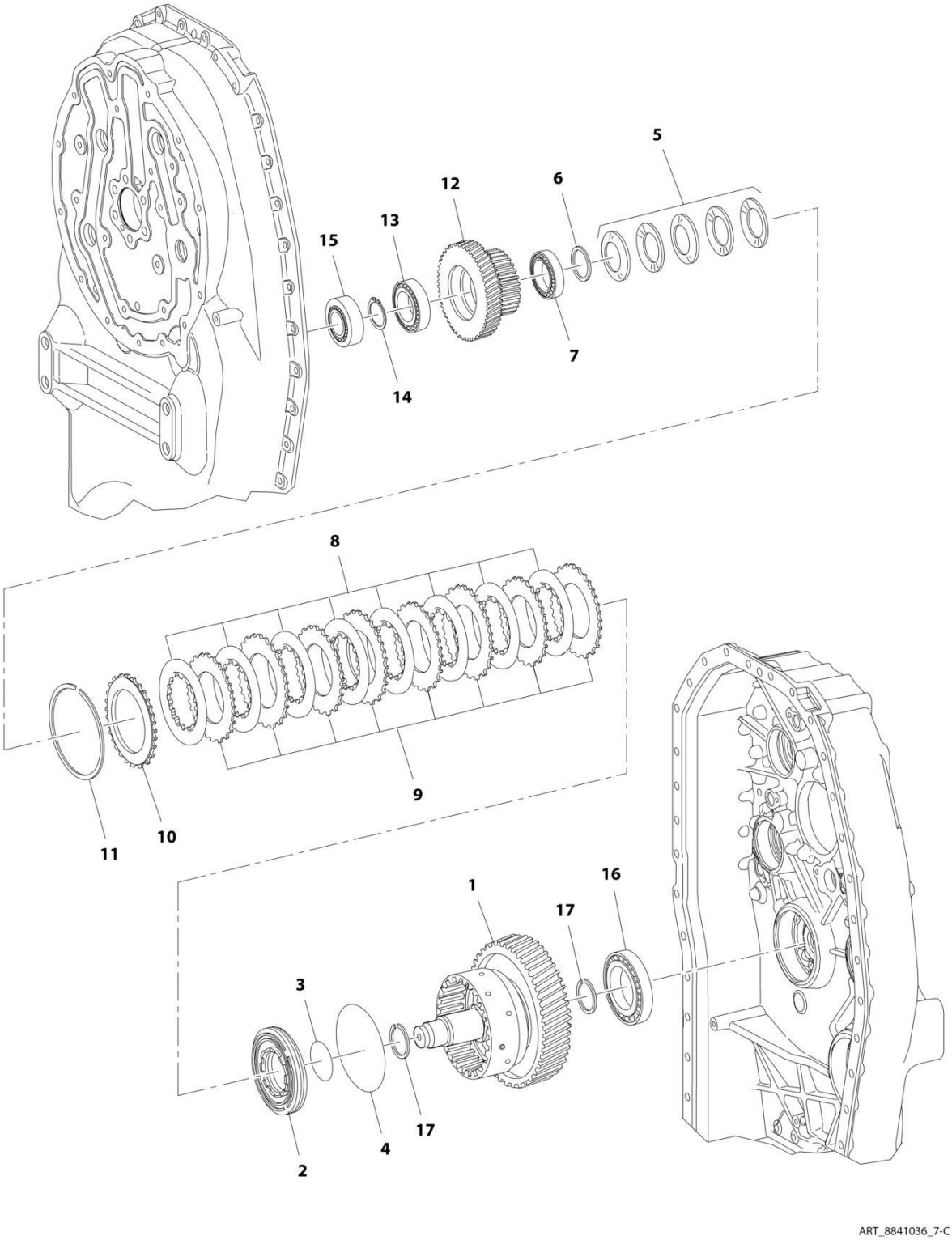


FIGURE 5-37. TRANSMISSION, COUPLING GROUP 3

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 5-38. TRANSMISSION, COUPLING GROUP 4

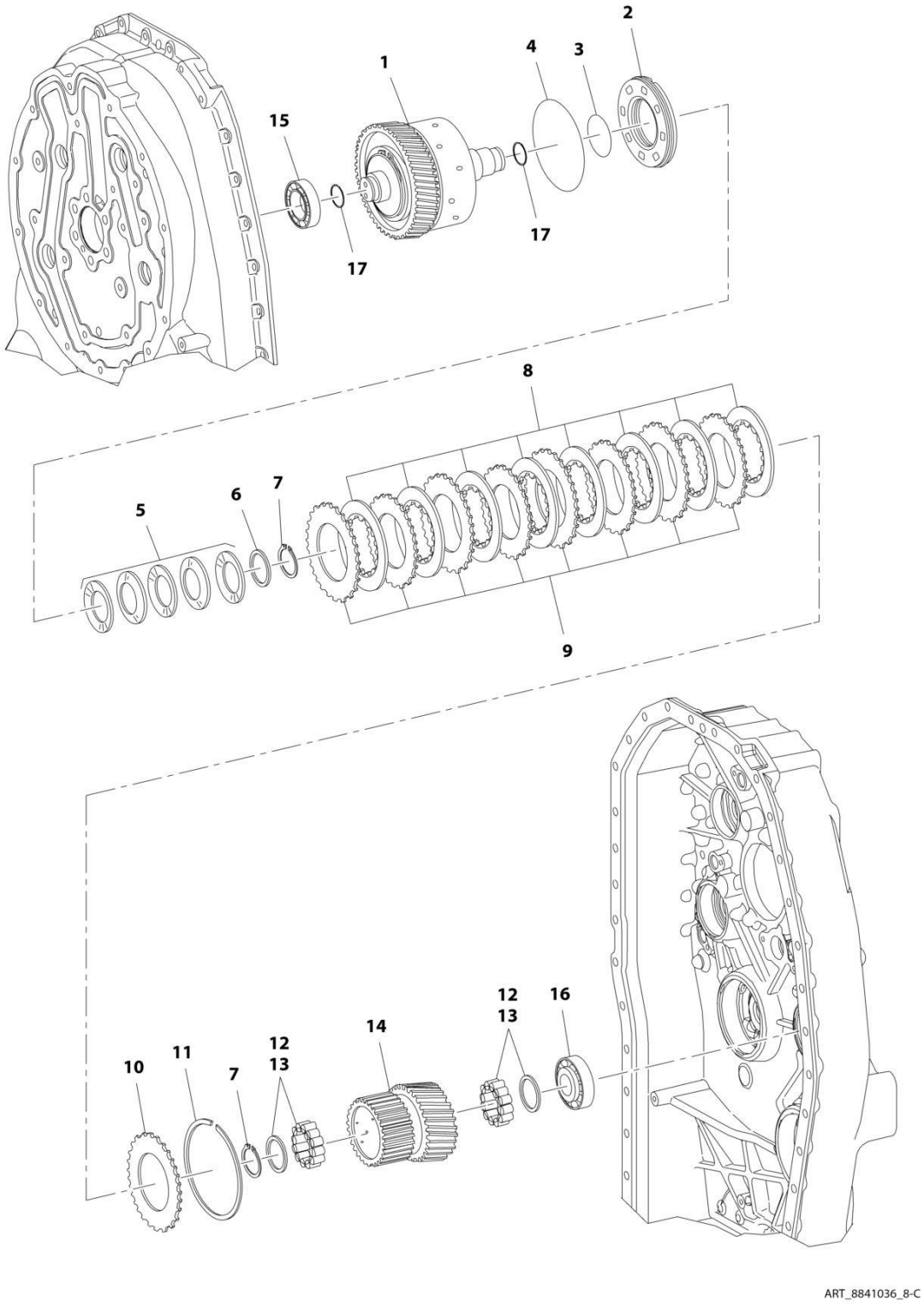


FIGURE 5-38. TRANSMISSION, COUPLING GROUP 4

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 5-39. TRANSMISSION, REVERSING GEAR GROUP 1

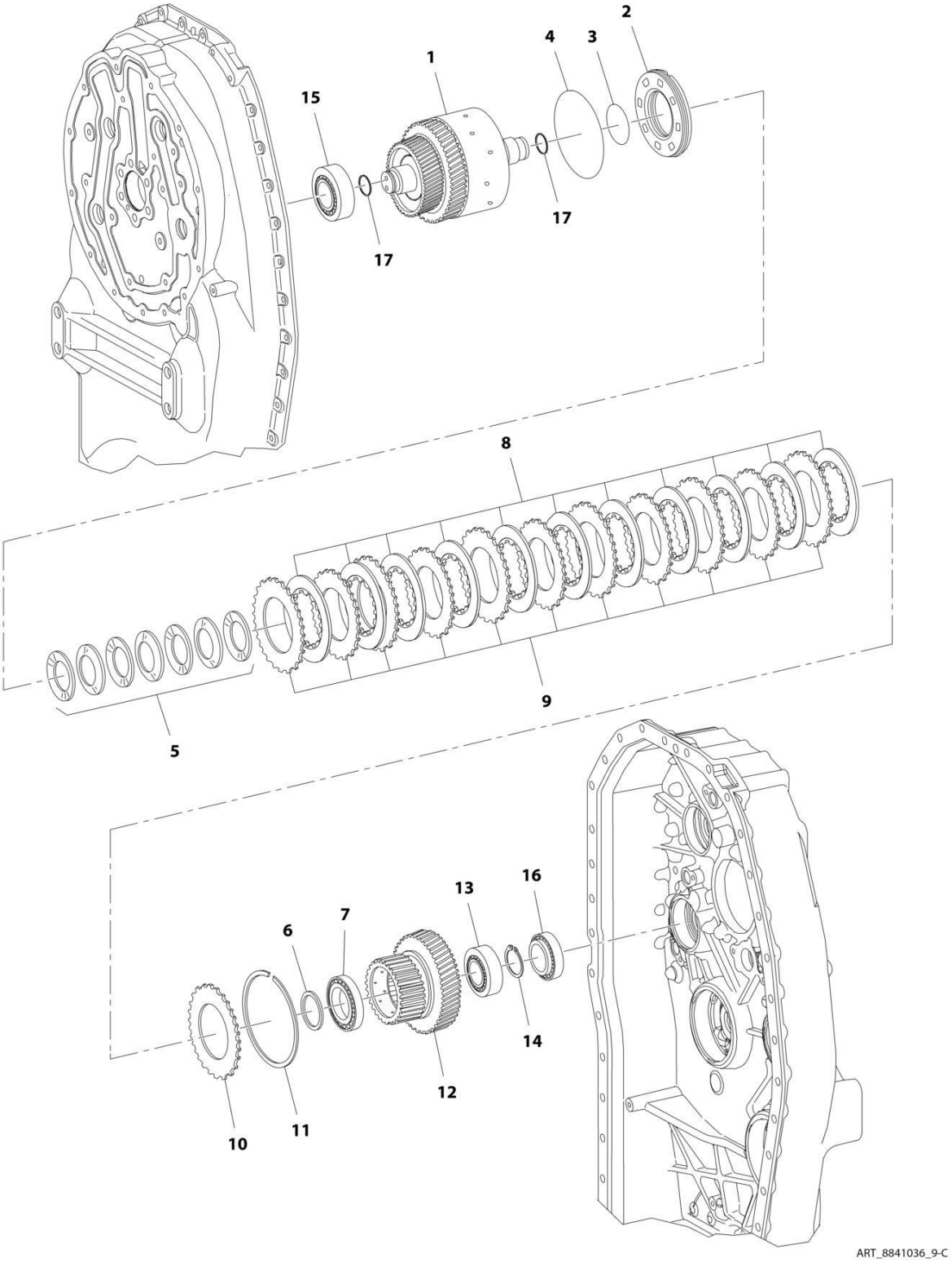


FIGURE 5-39. TRANSMISSION, REVERSING GEAR GROUP 1

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 5-40. TRANSMISSION, REVERSING GEAR GROUP 2

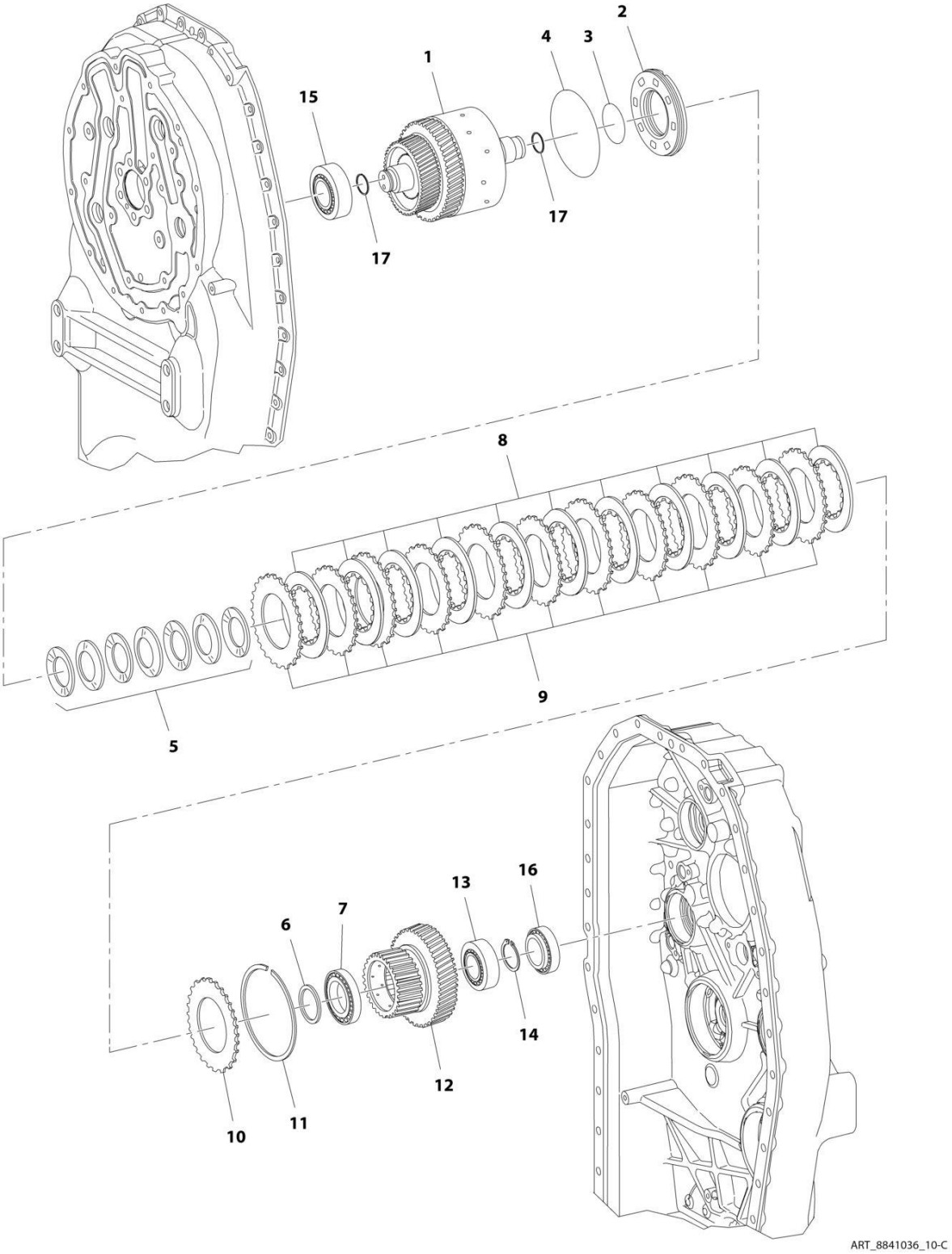


FIGURE 5-40. TRANSMISSION, REVERSING GEAR GROUP 2

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 5-41. TRANSMISSION, OUTPUT

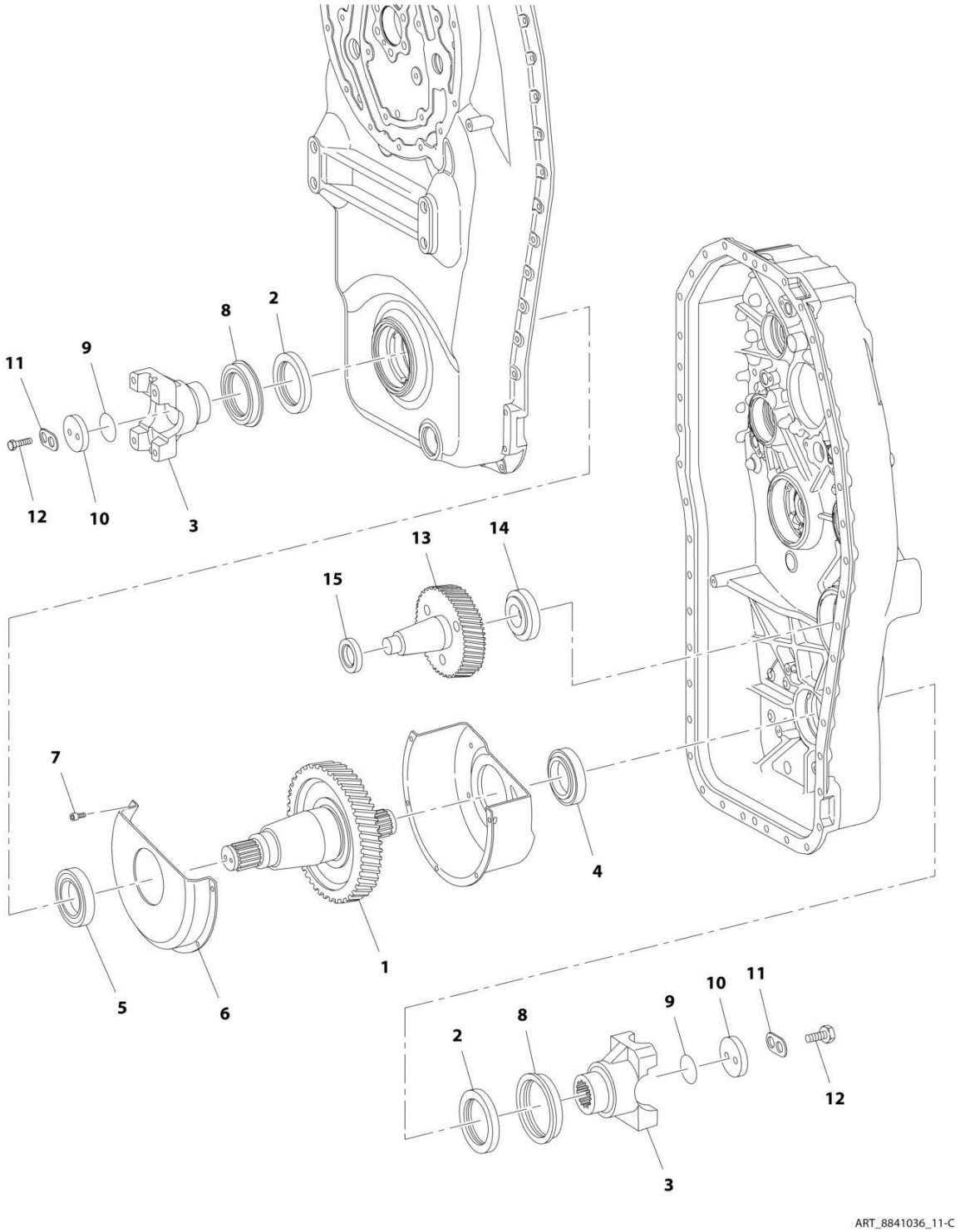


FIGURE 5-41. TRANSMISSION, OUTPUT

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 5-42. TRANSMISSION, CONTROL UNIT

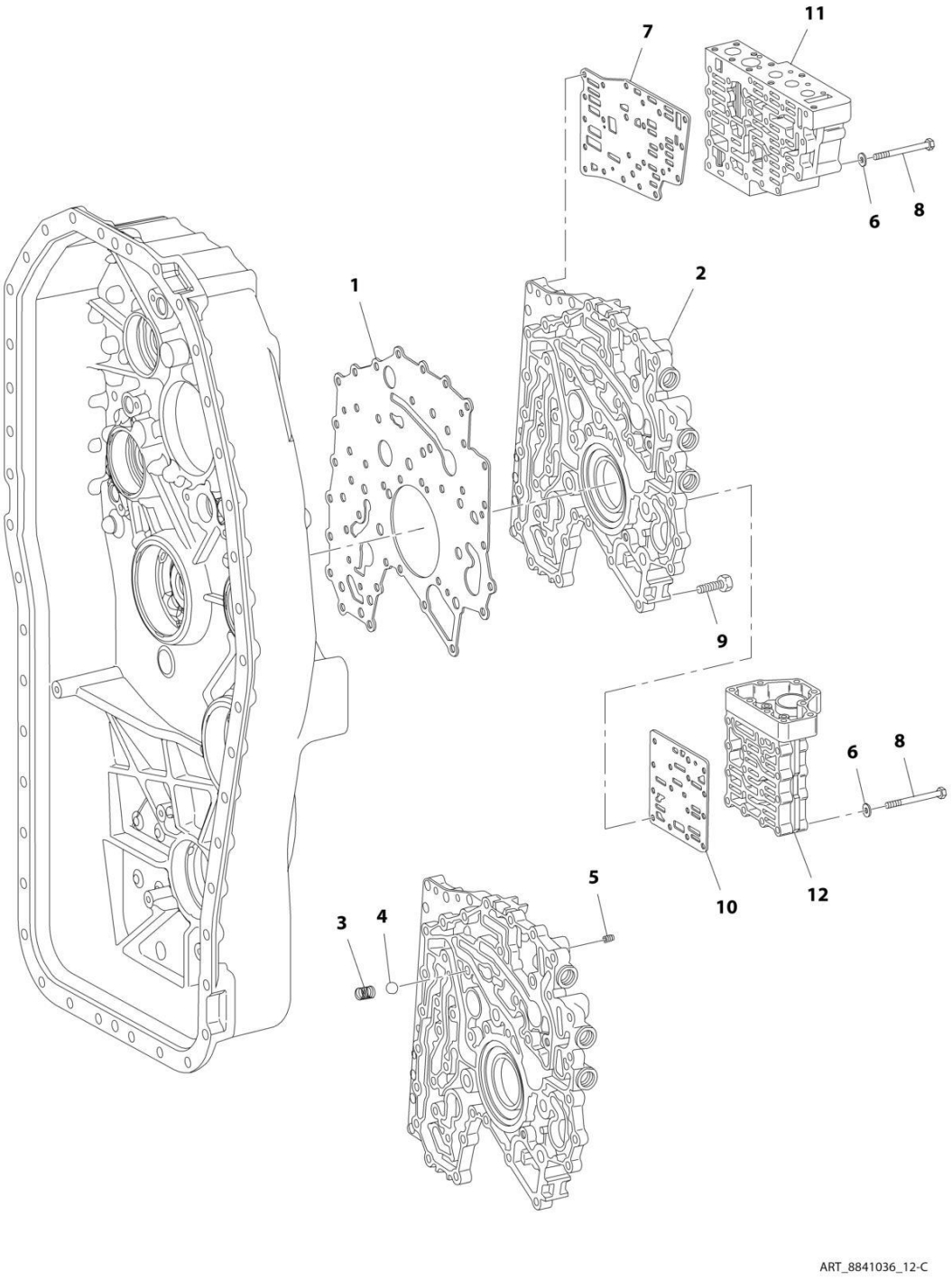


FIGURE 5-42. TRANSMISSION, CONTROL UNIT

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 5-43. TRANSMISSION, VALVE HOUSING ASSEMBLY

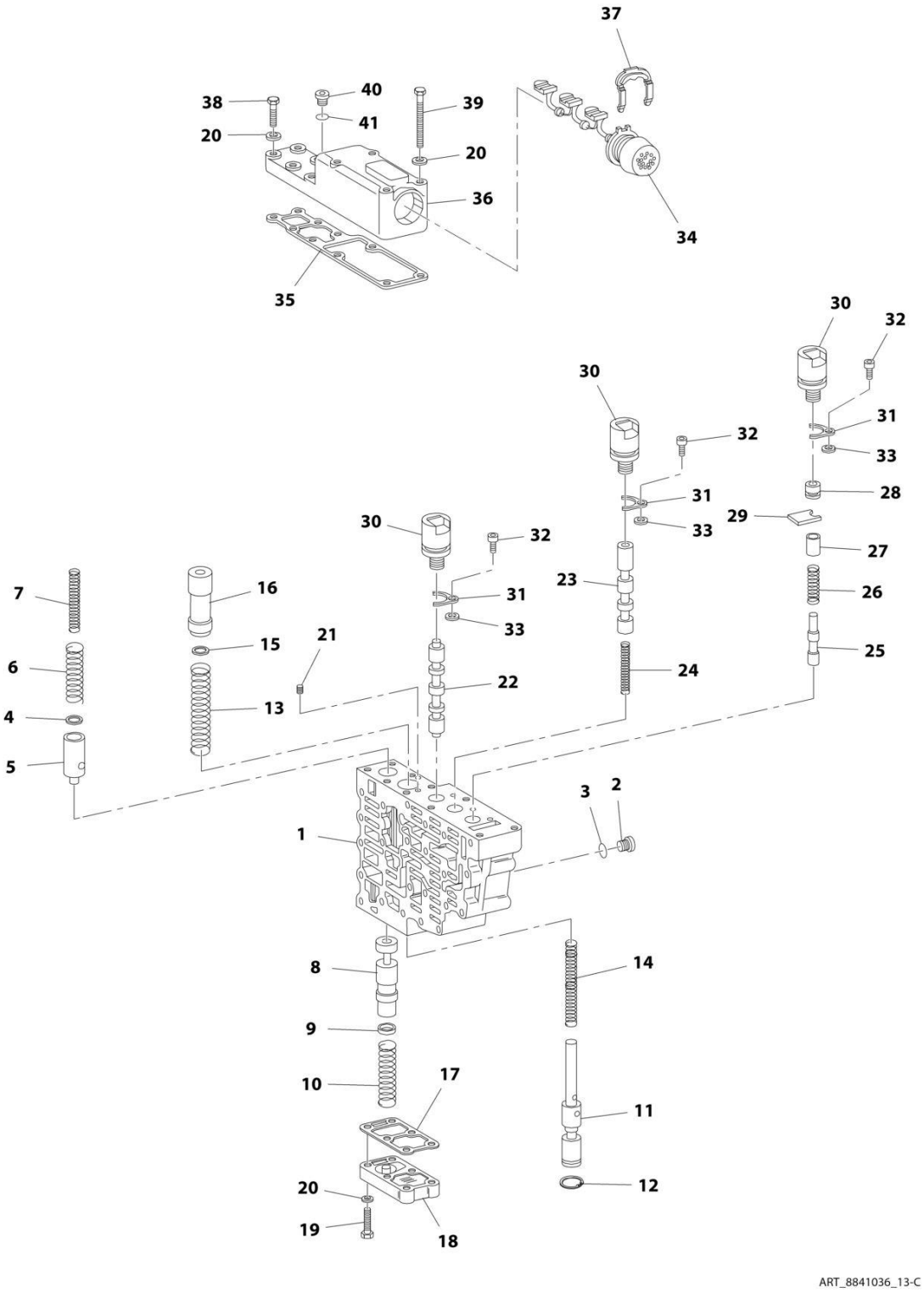


FIGURE 5-43. TRANSMISSION, VALVE HOUSING ASSEMBLY

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	

SECTION 5 - DRIVE TRAIN

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

FIGURE 5-44. TRANSMISSION, VALVE BLOCK ASSEMBLY

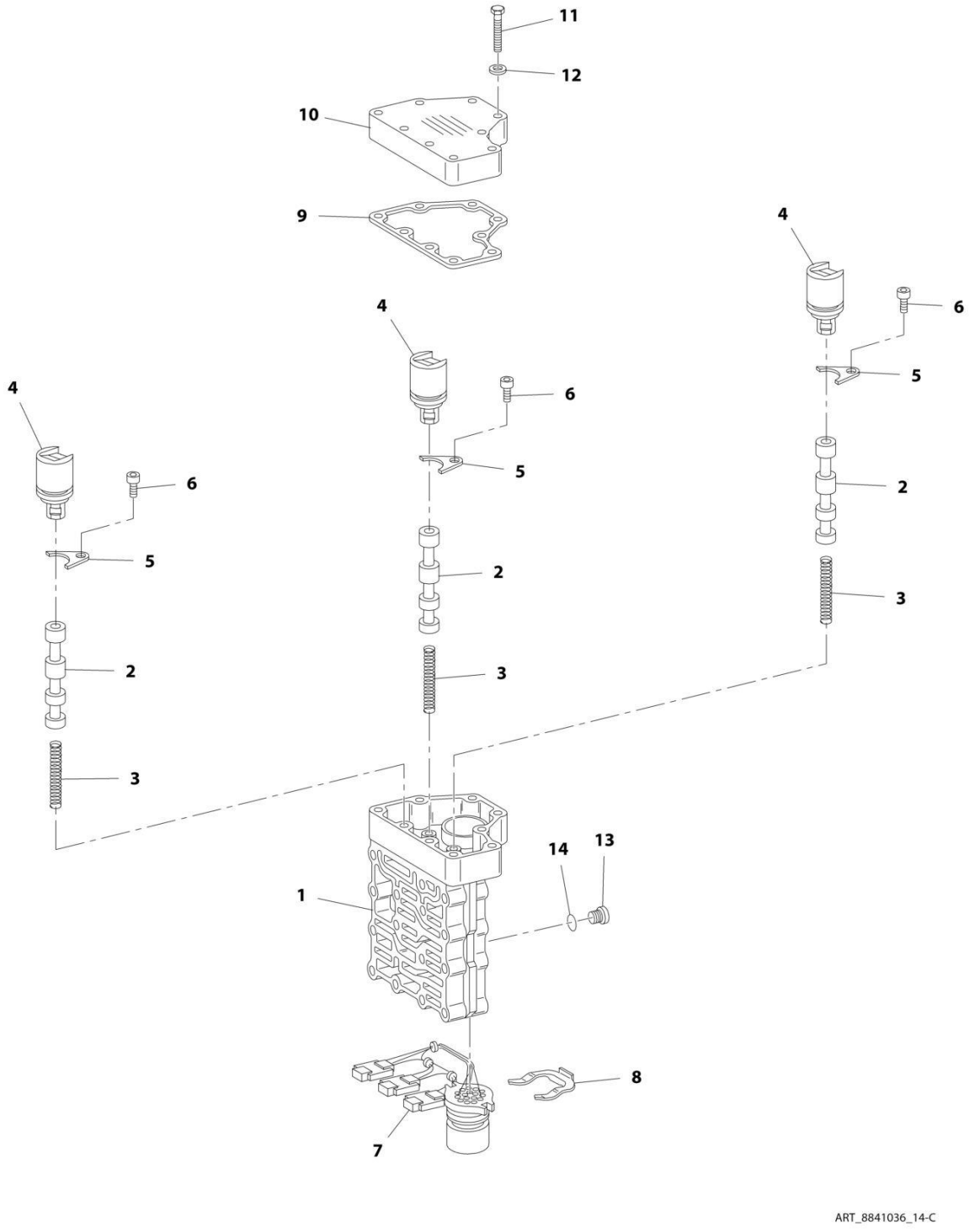


FIGURE 5-44. TRANSMISSION, VALVE BLOCK ASSEMBLY

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 5-45. TRANSMISSION, OIL PUMP AND FILTER

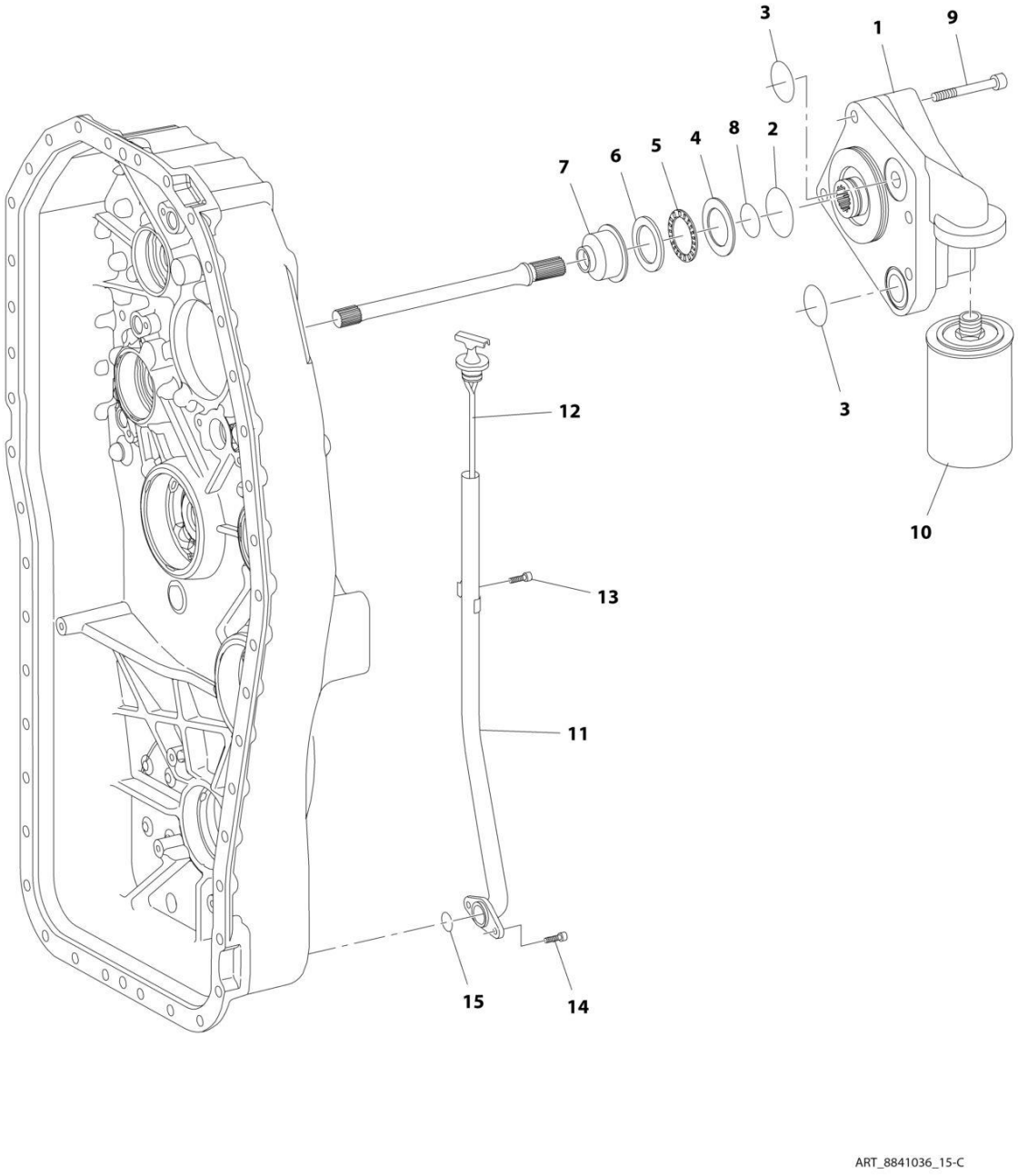


FIGURE 5-45. TRANSMISSION, OIL PUMP AND FILTER

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 5-46. DRIVE SHAFTS

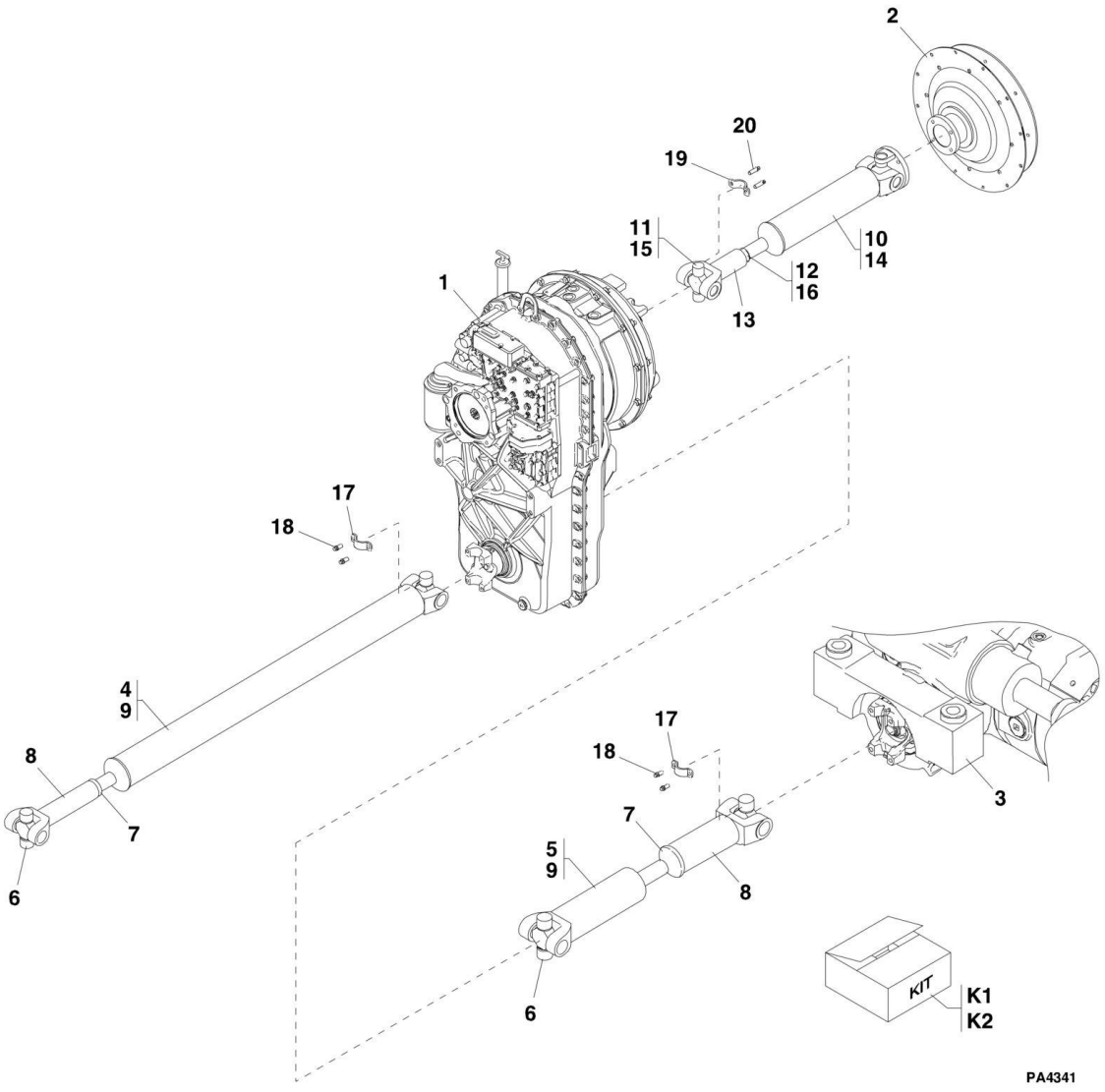


FIGURE 5-46. DRIVE SHAFTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	ZF TRANSMISSION, (See ZF TRANSMISSION for Breakdown)	
2		Ref	ISOLATION COUPLER, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
3		Ref	REAR AXLE, (See REAR AXLE for Breakdown)	
4	7150579	1	FRONT AXLE DRIVE SHAFT, (includes items 6 thru 9)	C
5	7150580	1	REAR AXLE DRIVE SHAFT, (includes items 6 thru 9)	C
6	8036433	4	CROSS AND BEARING KIT	
7	8035779	2	DUST CAP KIT	
8	N.S.S.	1	SLIP JOINT	
9	N.S.S.	1	YOKE SHAFT	
10	7139509	1	DRIVE SHAFT - ENGINE TO TRANSMISSION, (includes items 11 thru 14) **(SN 17019 through 19796)**	
10	7302028	1	DRIVE SHAFT - ENGINE TO TRANSMISSION, (includes items 13 thru 16) **(SN 0160002408 to Present, SN 19797 through 19897)**	D
11	8036432	2	CROSS AND BEARING KIT **(SN 17019 through 19796)**	
12	8033002	1	DUST CAP KIT **(SN 17019 through 19796)**	
13	N.S.S.	1	SLIP JOINT	
14	N.S.S.	1	YOKE SHAFT	
15	7029271	2	CROSS AND BEARING KIT **(SN 0160002408 to Present, SN 19797 through 19897)**	
16	8033651	1	DUST CAP KIT **(SN 0160002408 to Present, SN 19797 through 19897)**	
17	Kit K1	8	STRAP, (use kit 8880218-OM for replacement)	
18	Kit K1	16	SCREW, (torque to 32-42 lb-ft), (must replace when removed, do not re-torque), (use kit 8880218-OM for replacement)	
19	Kit K2	2	STRAP, (use kit 8880219-OM for replacement)	
20	Kit K2	4	SCREW, (torque to 35 lb-ft), (must replace when removed, do not re-torque), (use kit 8880219-OM for replacement)	
K1	8880218-OM	1	STRAP KIT, (includes qty 2 of item 17 and qty 4 of item 18)	
K2	8880219-OM	1	STRAP KIT, (includes qty 2 of item 19 and qty 4 of item 20)	

FIGURE 5-47. TIRES AND RIMS (PNEUMATIC) (Prior to SN 0160038919, Excluding 0160033533)

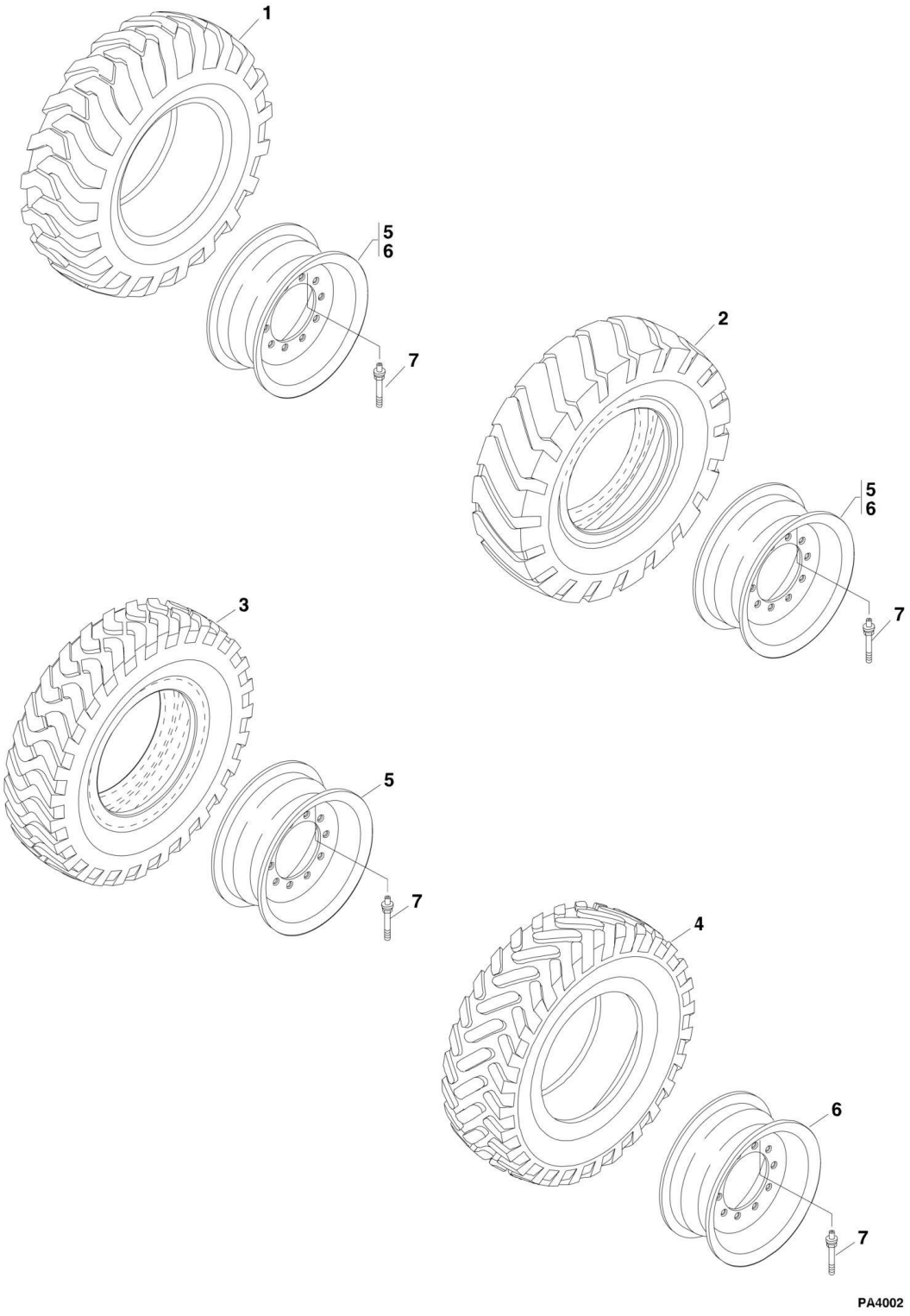


FIGURE 5-47. TIRES AND RIMS (PNEUMATIC) (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139605	1	GRADER TIRE AND RIM ASSY, (right side) - 13.00 X 24, 12 PLY, (includes items 1, 5 & 7)	F
	7139606	1	GRADER TIRE AND RIM ASSY, (left side) - 13.00 X 24, 12 PLY, (includes items 1, 5 & 7)	F
	4520429	1	GRADER TIRE AND RIM ASSY, (right side) - 15.50 X 25, 12 PLY, (includes items 1, 6 & 7)	B
	4520430	1	GRADER TIRE AND RIM ASSY, (left side) - 15.50 X 25, 12 PLY, (includes items 1, 6 & 7)	B
	7139741	1	ROCK TIRE AND RIM ASSY, 15.5-25 12 PLY, (includes items 2, 6 & 7)	D
	4520405	1	ROCK TIRE AND RIM ASSY, 13 X 24, 12 PLY, (includes items 2, 5 & 7)	B
	7300704	1	STEEL BELTED RADIAL TIRE AND RIM ASSY, 13 X 24, 12 PLY, (includes items 3, 5 & 7)	E
	4520437	1	STEEL BELTED RADIAL TIRE AND RIM ASSY, 15.5 X 25, 12 PLY, (includes items 4, 6 & 7)	B
1	8780031	1	GRADER TIRE, 13.00 X 24, 12 PLY	
1	8780036	1	GRADER TIRE, 15.50 X 25, 12 PLY	
2	8780050	1	ROCK TIRE, 25.5-25, 12 PLY	
2	8780045	1	ROCK TIRE, 13.00R24, 12-PLY	
3	8780264	1	STEEL BELTED RADIAL TIRE, 13.00R24 XGLA2	
4	8780048	1	STEEL BELTED RADIAL TIRE, 15.50R25 L2	
5	7301055	1	RIM, 9 X 24 1.06 OFFSET, (Argent replaces all colors)	
6	7301142	1	RIM, 13 x 25 LR 1.18 OFFSET	
7	8786514	1	VALVE STEM	
8	7139743	4	STEER ANGLE SPACER, (used with 7139741 only), (not shown)	
N1	Note	Ref	**WHEN ORDERING TIRES CONTACT JLG AND SPECIFY THE BRAND OF TIRE.**	

FIGURE 5-48. TIRES AND RIMS (PNEUMATIC) (SN 0160038919 to Present, Including 0160033533)

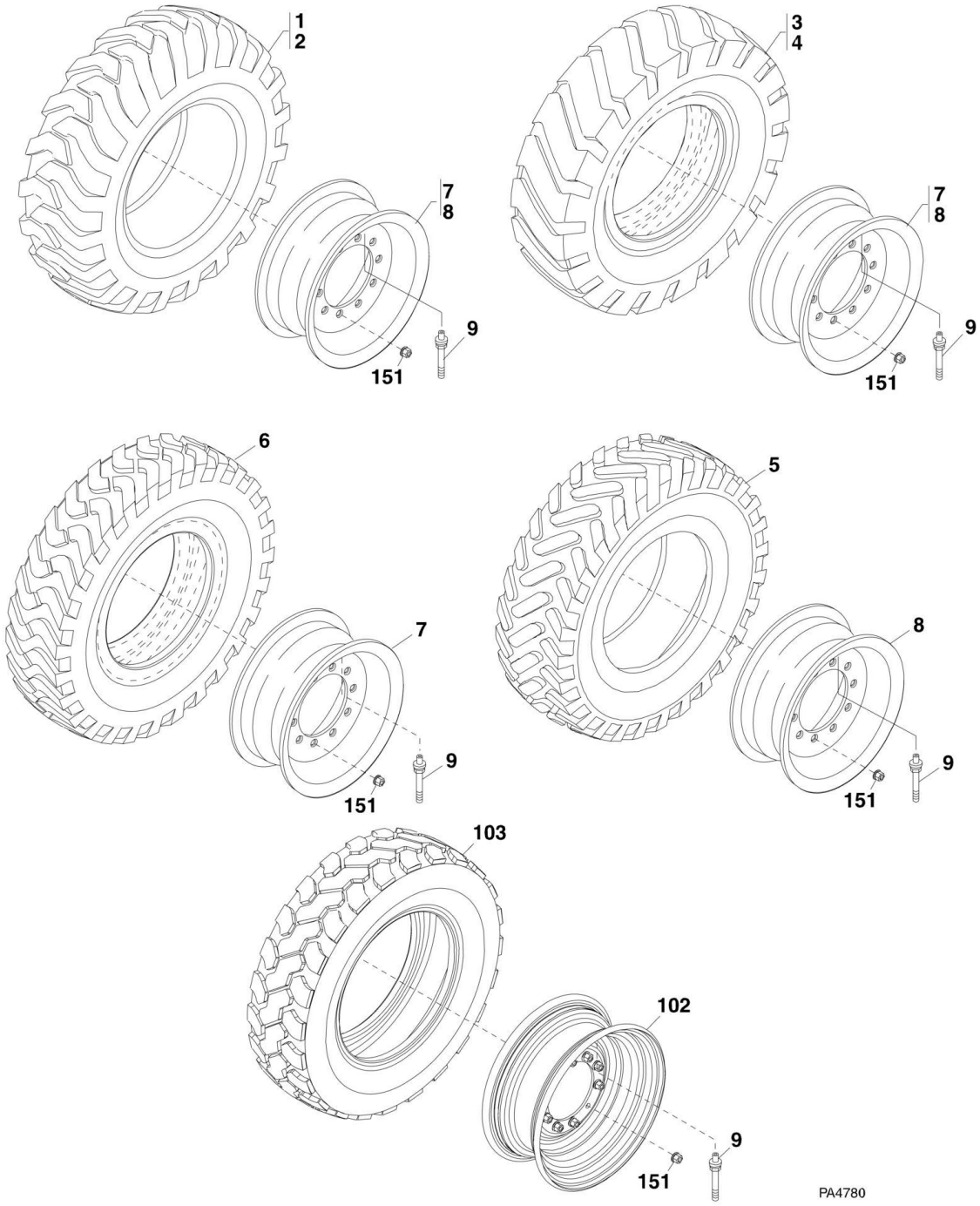


FIGURE 5-48. TIRES AND RIMS (PNEUMATIC) (SN 0160038919 to Present, Including 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7138658	1	TIRE AND RIM ASSY, (right side), 13.00 X 24, 12 PLY, G2, (includes items1, 7 & 9)	D
	7138659	1	TIRE AND RIM ASSY, (left side), 13.00 X 24, 12 PLY, (includes items 1, 7 & 9)	D
	7138660	1	TIRE AND RIM ASSY, (right side), 15.50 X 25, 12 PLY, G2, (includes items2, 8 & 9)	D
	7138661	1	TIRE AND RIM ASSY, (left side), 15.50 X 25, 12 PLY, G2, (includes items2, 8 & 9)	E
	7139168	1	ROCK TIRE AND RIM ASSY, 13.00 X 24, 12 PLY, G-3, (includes items 3, 7 & 9)	C
	4520466	1	ROCK TIRE AND RIM ASSY, 15.50 X 25, 12 PLY, L3, (includes items 5, 8 & 9)	A
	4520412	1	STEEL BELTED RADIAL TIRE AND RIM ASSY, 13 X 24, 12 PLY, L2/G-2, (includes items 6, 7 & 9)	A
	7139165	1	STEEL BELTED RADIAL TIRE AND RIM ASSY, 15.5 X 25, 12 PLY, (includes items 4, 8 & 9)	C
	1001100324	1	TIRE AND RIM ASSY, 370/75-28, 14 PLY, (includes items 9, 102 & 103)	C
1	8780031	1	TIRE, 13.00 x 24, 12 Ply	
2	8780036	1	TIRE, 15.50 X 25, 12 PLY	
3	8780045	1	ROCK TIRE, 13.00R24, 12-PLY	
4	8780048	1	STEEL BELTED RADIAL TIRE, 15.50R25	
5	8780050	1	ROCK TIRE, 25.5-25, 12 PLY	
6	8780264	1	STEEL BELTED RADIAL TIRE, 13.00R24	
7	7301054	1	RIM, 9 X 24-1.06 OFFSET	
8	7301056	1	RIM, 13 X 25-1.18 OFFSET	
9	8786514	1	VALVE STEM	
102	1001100005	1	RIM, 28X11, 1.18 OFFSET	
103	1001100284	1	TIRE, 370/75-28, 14 PLY	
151		Ref	WHEEL NUT, (See DRIVE TRAIN COMPONENTS for Breakdown)	
N1	Note	Ref	**WHEN ORDERING TIRES CONTACT JLG AND SPECIFY THE BRAND OF TIRE.**	

FIGURE 5-49. TIRES AND RIMS (FOAM FILLED AND SOLID) (Prior to SN 0160038919, Excluding 0160033533)

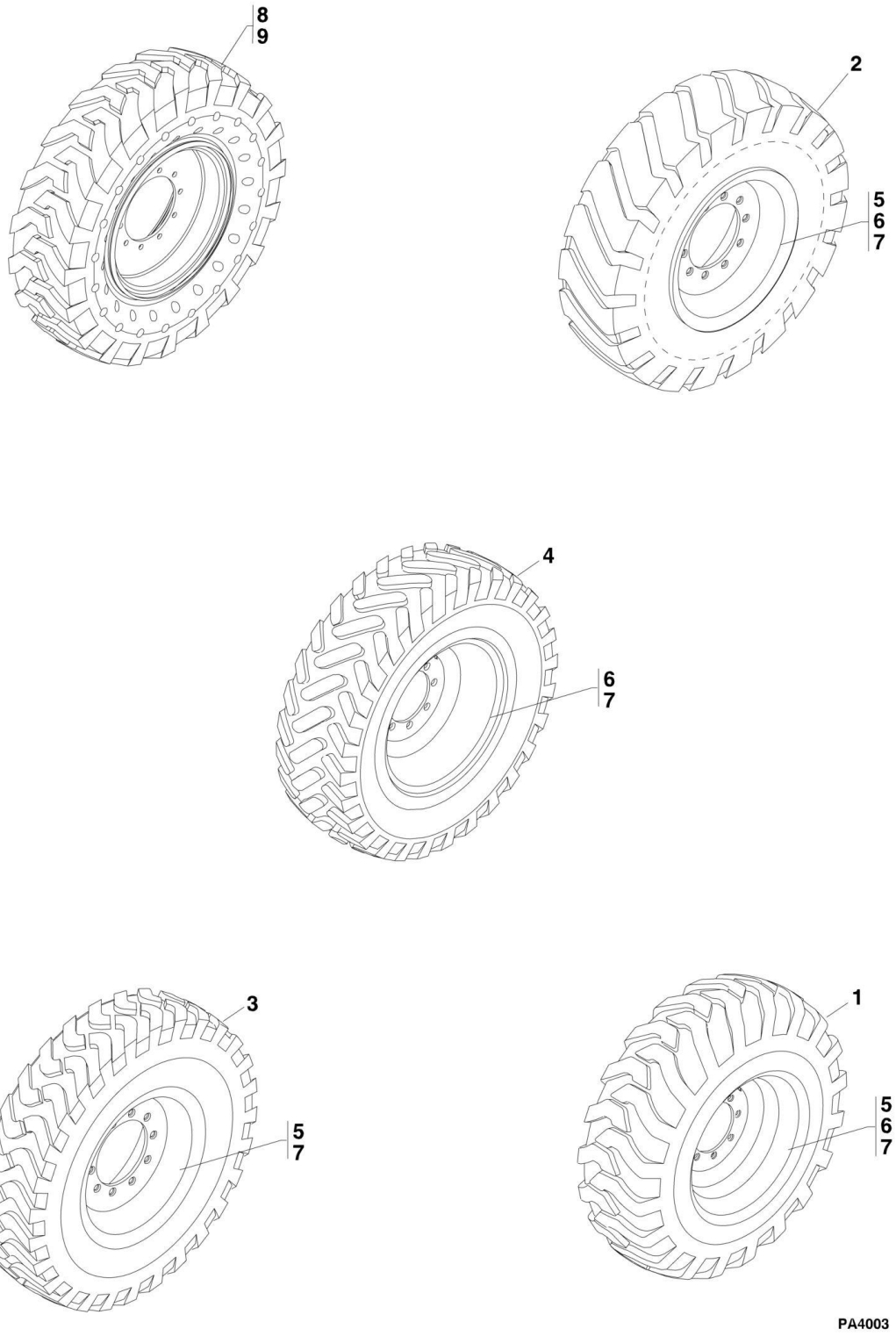


FIGURE 5-49. TIRES AND RIMS (FOAM FILLED AND SOLID) (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139739	1	GRADER TIRE AND RIM ASSY, (right side), FOAM FILLED - 13.00 X 24, 12 PLY, G-2, (includes items 1, 5 & 7)	D
	7139740	1	GRADER TIRE AND RIM ASSY, (left side), FOAM FILLED - 13.00 X 24, 12 PLY, G-2, (includes items 1, 5 & 7)	D
	4520431	1	GRADER TIRE AND RIM ASSY, (right side), FOAM FILLED - 15.50 X 25, 12 PLY, G-2, (includes items 1, 6 & 7)	B
	4520432	1	GRADER TIRE AND RIM ASSY, (left side), FOAM FILLED - 15.50X25, 12 PLY, G-2, (includes items 1, 6 & 7)	B
	4520320	NLA	ROCK TIRE AND RIM ASSY, FOAM FILLED - 13.00 X 24, 12 PLY, (tire no longer available, order 7301845 for replacement), (includes items 2, 5 & 7)	B
	7301845	1	ROCK TIRE AND RIM ASSY, FOAM FILLED - 13.00 X 24, 12 PLY, (includes items 2, 5 & 7)	C
	4520435	1	ROCK TIRE AND RIM ASSY, FOAM FILLED - 15.50 x 25, 12 PLY, SRG L3, (includes items 2, 6 & 7)	B
	4520407	1	STEEL BELTED RADIAL TIRE AND RIM ASSY, FOAM FILLED - 13.00 X 24, 12 PLY, (includes items 3, 5 & 7)	B
	4520438	1	STEEL BELTED RADIAL TIRE AND RIM ASSY, FOAM FILLED - 15.50 X 25, 12 PLY L2, (includes items 4, 6 & 7)	B
	4520651	1	SOLID TIRE SET, 13.00 X 24, (includes items 8 & 9)	C
1	8780031	1	GRADER TIRE, 13.00X24, 12 PLY	
1	8780036	1	GRADER TIRE, 15.50X25, 12 PLY	
2	8780045	1	ROCK TIRE, 13.00R24, 12 PLY	
2	8780050	1	ROCK TIRE, 15.5-25, 12 PLY,	
3	8780264	1	STEEL BELTED RADIAL TIRE, 13.00R24	
4	8780048	1	STEEL BELTED RADIAL TIRE, 15.50R25	
5	7301055	1	RIM, 9 X 24 1.06 OFFSET	
6	7301142	1	RIM, 13 x 25 LR 1.18 OFFSET	
7	8786514	1	VALVE STEM	
8	4520652	1	R.H. SOLID TIRE AND WHEEL ASSY	C
9	4520653	1	L.H. SOLID TIRE AND WHEEL ASSY	C
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. 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 (FOAM FILLED AND SOLID) (SN 0160038919 to Present, Including 0160033533)

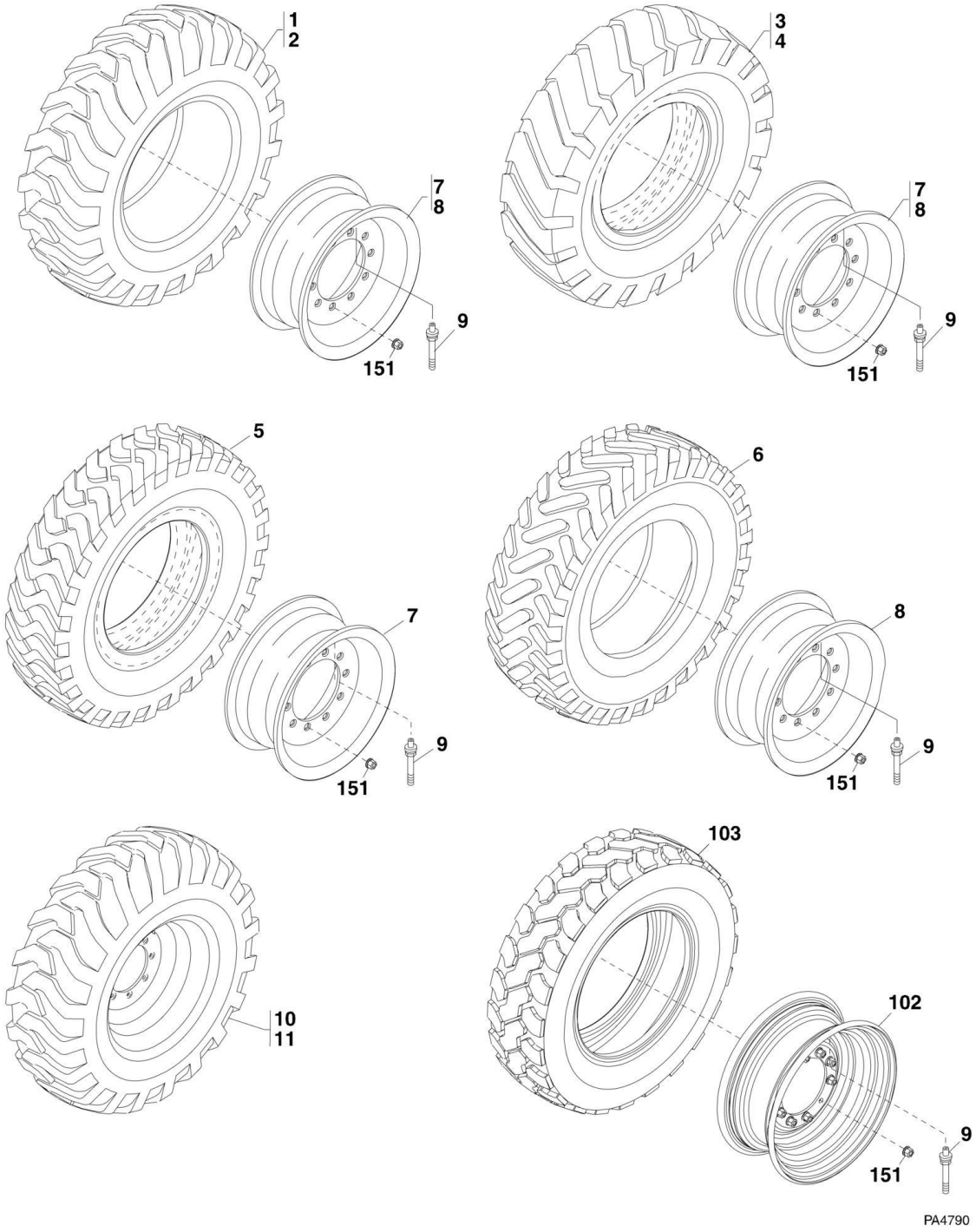


FIGURE 5-50. TIRES AND RIMS (FOAM FILLED AND SOLID) (SN 0160038919 to Present, Including 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139159	1	TIRE AND RIM ASSY, (right side), FOAM FILLED, 13.00 X 24, 12 PLY, G-2, (includes items 1, 7 & 9)	D
	7139160	1	TIRE AND RIM ASSY, (left side), FOAM FILLED, 13.00 X 24, 12 PLY, G-2, (includes items 1, 7 & 9)	D
	7139161	1	TIRE AND RIM ASSY, (right side), FOAM FILLED, 15.50 X 25, 12 PLY, L2, (includes items 2, 8 & 9)	C
	7139162	1	TIRE AND RIM ASSY, (left side), FOAM FILLED, 15.50 X 25, 12 PLY, L2, (includes items 2, 8 & 9)	C
	4520319	1	ROCK TIRE AND RIM ASSY, FOAM FILLED, 13.00 X 24, 12 PLY, G-3, (includes items 3, 7 & 9)	B
	4520467	1	ROCK TIRE AND RIM ASSY, FOAM FILLED, 15.50 X 25, 12 PLY, L3, (includes items 4, 8 & 9)	A
	4520413	1	STEEL BELTED RADIAL TIRE AND RIM ASSY, FOAM FILLED, 13.00 X 24, 12 PLY, L2/G-2, (includes items 5, 7 & 9)	A
	4520469	1	STEEL BELTED RADIAL TIRE AND RIM ASSY, FOAM FILLED, 15.50 X 25, 12 PLY, L2, (includes items 6, 8 & 9)	A
	4520648	1	SOLID TIRE SET, 13.00 x 24, (includes items 10 & 11)	B
	1001121085	1	TIRE AND RIM ASSY, 370/75-28, 14 PLY, FOAM FILLED, 464lb, (includes items 9, 102 & 103)	A
1	8780031	1	TIRE, 13.00X24, 12 PLY	
2	8780036	1	TIRE, 15.50 X 25, 12 PLY	
3	8780045	1	ROCK TIRE, 13.00R24, 12 PLY	
4	8780050	1	ROCK TIRE, 15.50 X 25, 12 PLY	
5	8780264	1	STEEL BELTED RADIAL TIRE, 13.00R24	
6	8780048	1	STEEL BELTED RADIAL TIRE, 15.50R25	
7	7301054	1	RIM, 9 X 24 1.06 OFFSET	
8	7301056	1	RIM, 13 X 25 LR 1.18 OFFSET	
9	8786514	1	VALVE STEM	
10	4520649	1	R.H. SOLID TIRE AND WHEEL ASSY	B
11	4520650	1	L.H. SOLID TIRE AND WHEEL ASSY	B
102	1001100005	1	RIM, 28X11, 1.18 OFFSET	
103	1001100284	1	TIRE, 370/75-28, 14 PLY	
151		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. PURCHASE INDIVIDUAL TIRE AND/OR RIM ONLY IF ABLE TO FOAM FILL TIRE AND WHEEL ASSEMBLY, OTHERWISE, PURCHASE COMPLETE ASSEMBLY.**	

FIGURE 5-51. FENDER INSTALLATION

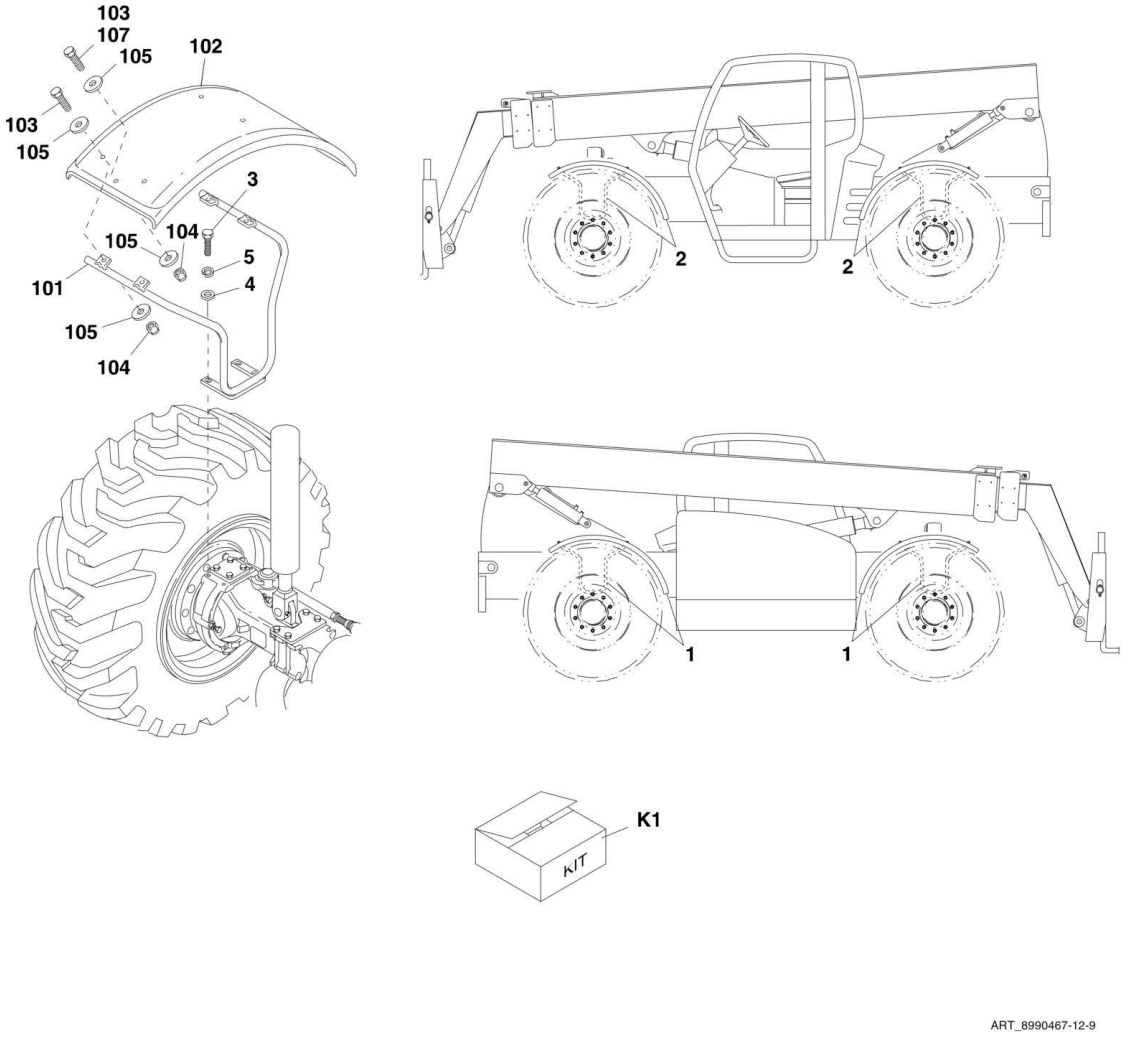


FIGURE 5-51. FENDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7150697	1	FENDER INSTALLATION, (includes items 1 thru 5)	C
1	NLA	Ref	R.H. FENDER AND BRACKET ASSY, (includes items 101 thru 107) **(SN 17019 through 19897, SN 0160002345 through 0160025362)**	AD
1	7150696	2	R.H. FENDER AND BRACKET ASSY, (includes items 101 thru 105) **(SN 0160025392 to Present)**	G
2	NLA	Ref	L.H. FENDER AND BRACKET ASSY, (includes items 101 thru 107) **(SN 17019 through 19897, SN 0160002345 through 0160025362)**	AD
2	7150695	2	L.H. FENDER AND BRACKET ASSY, (includes items 101 thru 105) **(SN 0160025392 to Present)**	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 **(SN 17019 through 19897, SN 0160002345 through 0160025362)**	
101	0903609	1	FENDER MOUNT **(SN 0160025392 to Present)**	
102	7150706	1	FENDER	
103	8303626	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5	
104	8305644	6	HEX LOCKNUT, 1/2-13 **(SN 17019 through 19897, SN 0160002345 through 0160025362)**	
104	8305644	4	HEX LOCKNUT, 1/2-13 **(SN 0160025392 to Present)**	
105	8307206	12	PLAIN WASHER, 1/2 **(SN 17019 through 19897, SN 0160002345 through 0160025362)**	
105	8307206	8	PLAIN WASHER, 1/2 **(SN 0160025392 to Present)**	
107	8303625	2	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5, **(SN 17019 through 19897, SN 0160002345 through 0160025362)**	
K1	7147400	1	FENDER FIELD KIT, (four wheel installation)	

SECTION 6 - CAB

FIGURE 6-1. OPEN CAB

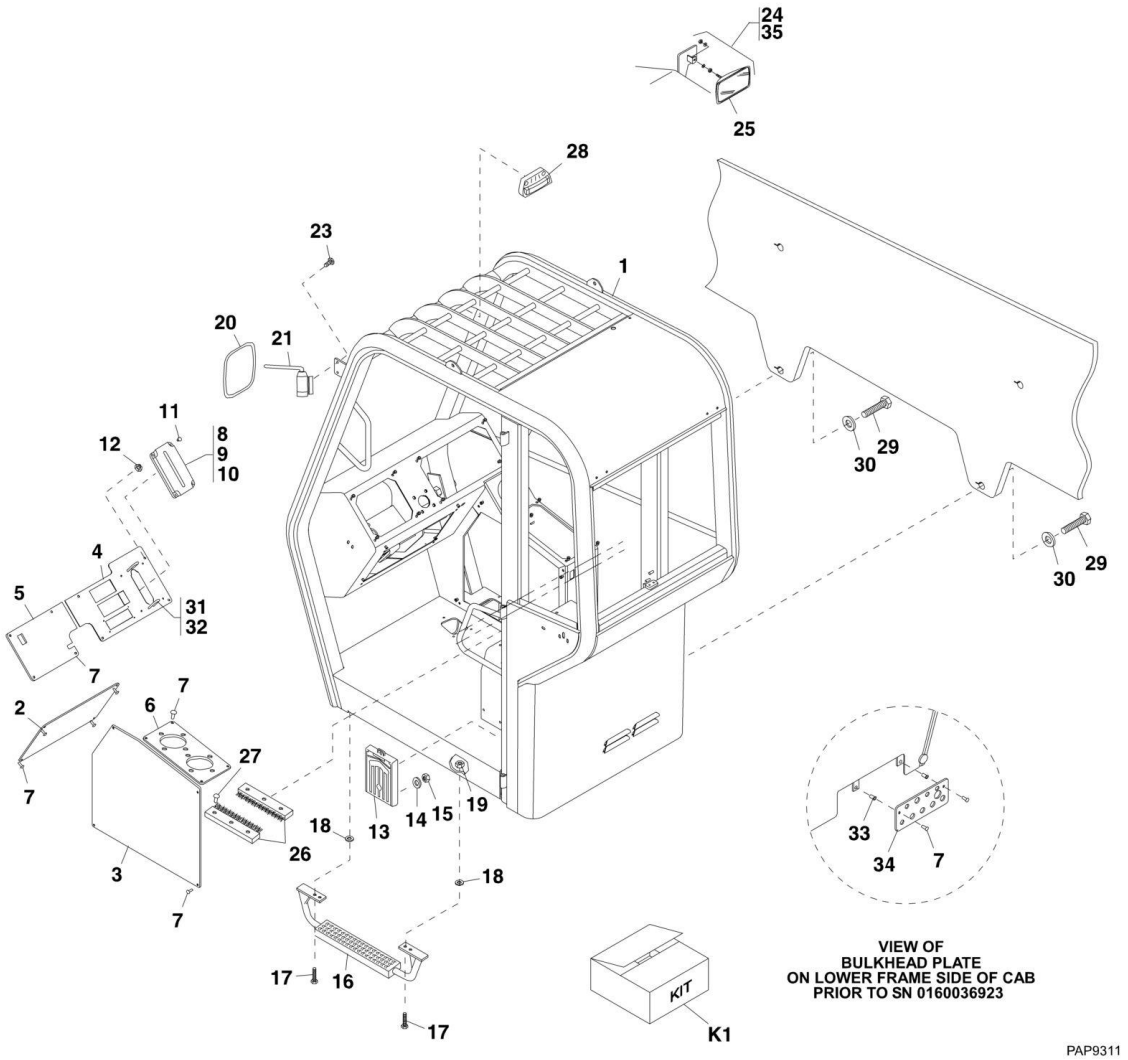


FIGURE 6-1. OPEN CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7138857	1	OPEN CAB, (includes items 2 thru 7, items 33 & 34)	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 **(SN 14834 through 19988, SN 0160002345 through 0160019858, Except SN 0160019653 through 0160019655, Excluding 0160019622, 0160019633 and 0160019668)**	
9	7139135	AR	SPACER FOAM TAPE **(SN 14834 through 19988, SN 0160002345 through 0160019858, Except SN 0160019653 through 0160019655, Excluding 0160019622, 0160019633 and 0160019668)**	
10	8310016	2	PAN HD CAPSCREW, 10-24X1 **(SN 14834 through 19988, SN 0160002345 through 0160019858, Except SN 0160019653 through 0160019655, Excluding 0160019622, 0160019633 and 0160019668)**	
11	8310362	4	BUTTON HD CAPSCREW, 10-24X.5 **(SN 14834 through 19988, SN 0160002345 through 0160019858, Except SN 0160019653 through 0160019655, Excluding 0160019622, 0160019633 and 0160019668)**	
12	8310085	6	LOCK NUT, #10-24 **(SN 14834 through 19988, SN 0160002345 through 0160019858, Except SN 0160019653 through 0160019655, Excluding 0160019622, 0160019633 and 0160019668)**	
13	8990147	1	DOCUMENT 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 **(Prior to SN 0160038863)**	
20	3140007	NLA	REAR VIEW MIRROR, (no longer available, use 1001148177 for replacement)	
20	1001148177	1	REAR VIEW MIRROR	
21	8866530	NLA	MIRROR ARM, (no longer available, order Kit K1 for replacement) **(Prior to SN 0160038863)**	
21	1001114675	1	MIRROR ARM **(SN 0160038863 to Present)**	
23	0700610	2	HEX HD CAPSCREW, M6X20, GR 8.8	
24	8866348	1	RIGHT MIRROR, (includes mounting hardware except star washer)	
25	8866351	1	CONVEX GLASS REPLACEMENT LENS, 6.5X10	
26	7138944	2	BRUSH STRIP ASSY	
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 **(SN 0160019944 to Present, SN 0160019653 through 0160019655, Including 0160019622, 0160019633 and 0160019668)**	
32	8310382	8	FLANGE NUT, 1/4-20 **(SN 0160019944 to Present, SN 0160019653 through 0160019655, Including 0160019622,**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			0160019633 and 0160019668)	
33	70021305	2	RIVNUT **(Prior to SN 0160036919)**	
34	70021306	1	BULKHEAD FITTING PLATE **(Prior to SN 0160036919)**	
35	4791500	1	STAR WASHER, 5/16	
K1	1001125007	1	MIRROR ARM KIT, (includes items 21, 23 and spacer) **(SN 0160038863 to Present)**	

FIGURE 6-2. CLOSED CAB (SN 17019 through 19897, SN 0160002408 through 0160008803)

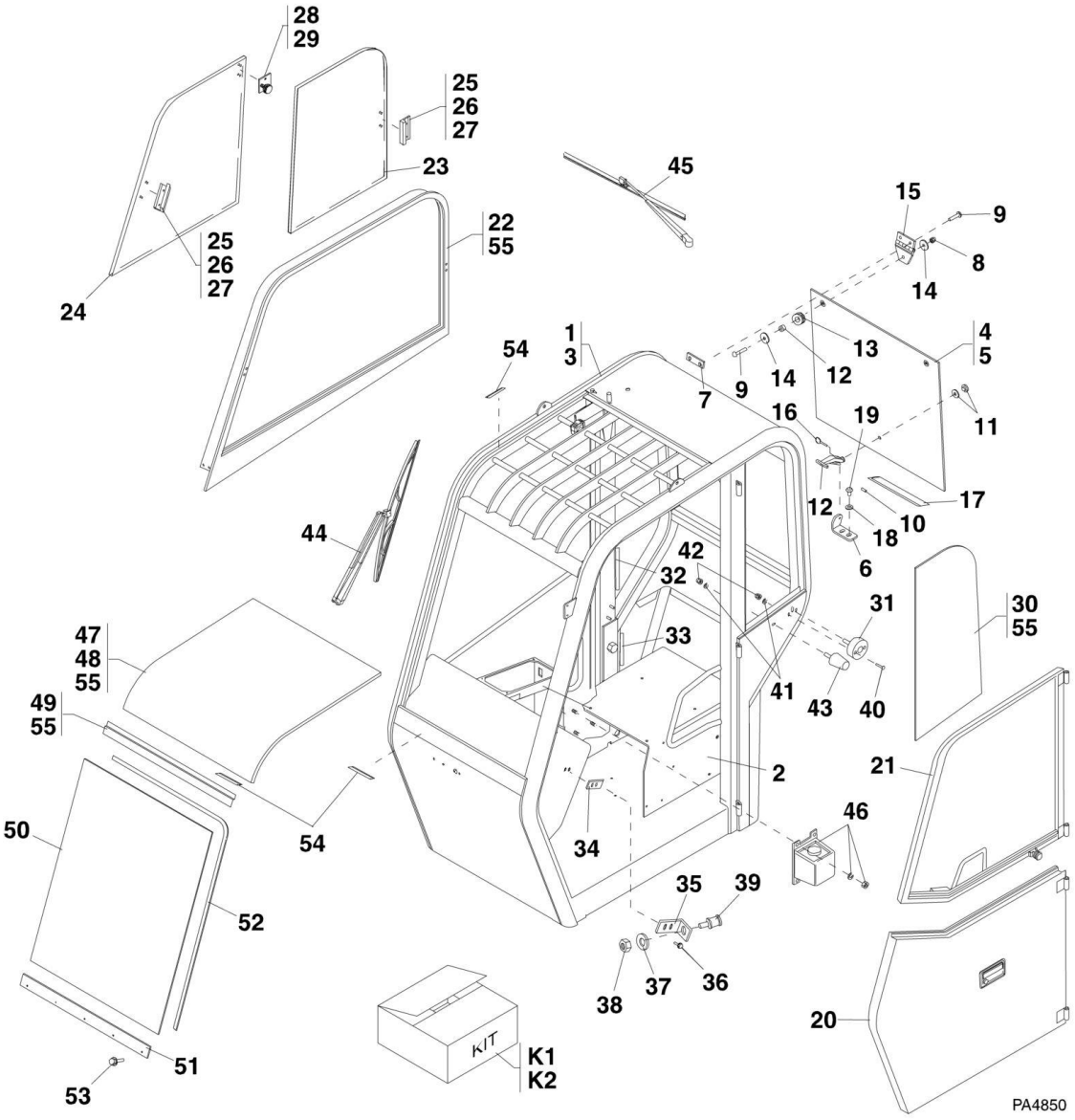


FIGURE 6-2. CLOSED CAB (SN 17019 through 19897, SN 0160002408 through 0160008803)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139048	1	ENCLOSED CAB WITH HEATER, (includes all items)	AA
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 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	
10	8035486	1	ROLL PIN, #10X1/2	
11	1001081280	1	T-HANDLE LATCH, (includes mounting hardware)	
12	8035478	2	BUSHING, .26 I.D.X1/2 O.D.	
13	8035477	2	GROMMET, 1/2 I.D.X1.06 O.D.	
14	80264082	4	FLAT WASHER, 9/32X1.00X.065	
15	8035475	2	PLASTIC HINGE	
16	1001109417	1	DETENT RING PIN, .019X1.4	
17	8037206	1	SEAL, 8.6FT LONG	
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	RIGHT SIDE SLIDER WINDOW, (includes items 23 thru 29)	
23	8036197	1	REAR SLIDE GLASS	
24	8036196	1	FRONT SLIDE GLASS	
25	Kit K1	1	CAPSCREW	
26	Kit K1	1	SPACER	
27	Kit K1	1	LATCH	
28	Kit K2	1	LOCK BLOCK	
29	Kit K2	1	KNOB ASSY	
30	8036073	1	LEFT SIDE REAR GLASS	
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	LOCKSCREW, 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	4	LOCKWASHER, 1/4X.49 O.D.X.07	
42	8035479	4	ACORN NUT, 1/4-20	
43	8036066	1	RUBBER CONE BUMPER	
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 12 VOLT MOTOR, (See FRONT WINDSHIELD WIPER for Breakdown)	

SECTION 6 - CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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, .22X.35X14.75	
53	8310529	5	SELF TAPPING SCREW, #10-16X.75	
54	8035490	8	SETTING BLOCKS	
55	7139308	AR	URETHANE SEALANT, (apply to items 22, 30, 48 & 49)	
K1	80384445	1	LATCH ASSY KIT (with Latch & Slider - Worthington Windows) (Includes Items 25-27)	
K1	8036199	1	LATCH ASSY KIT (withTwo Latches - Young Windows) (Includes Items 25-27)	
K2	8036198	1	FRICTION LOCK ASSY KIT (includes 28 & 29)	

FIGURE 6-3. CLOSED CAB (SN 0160008825 to Present)

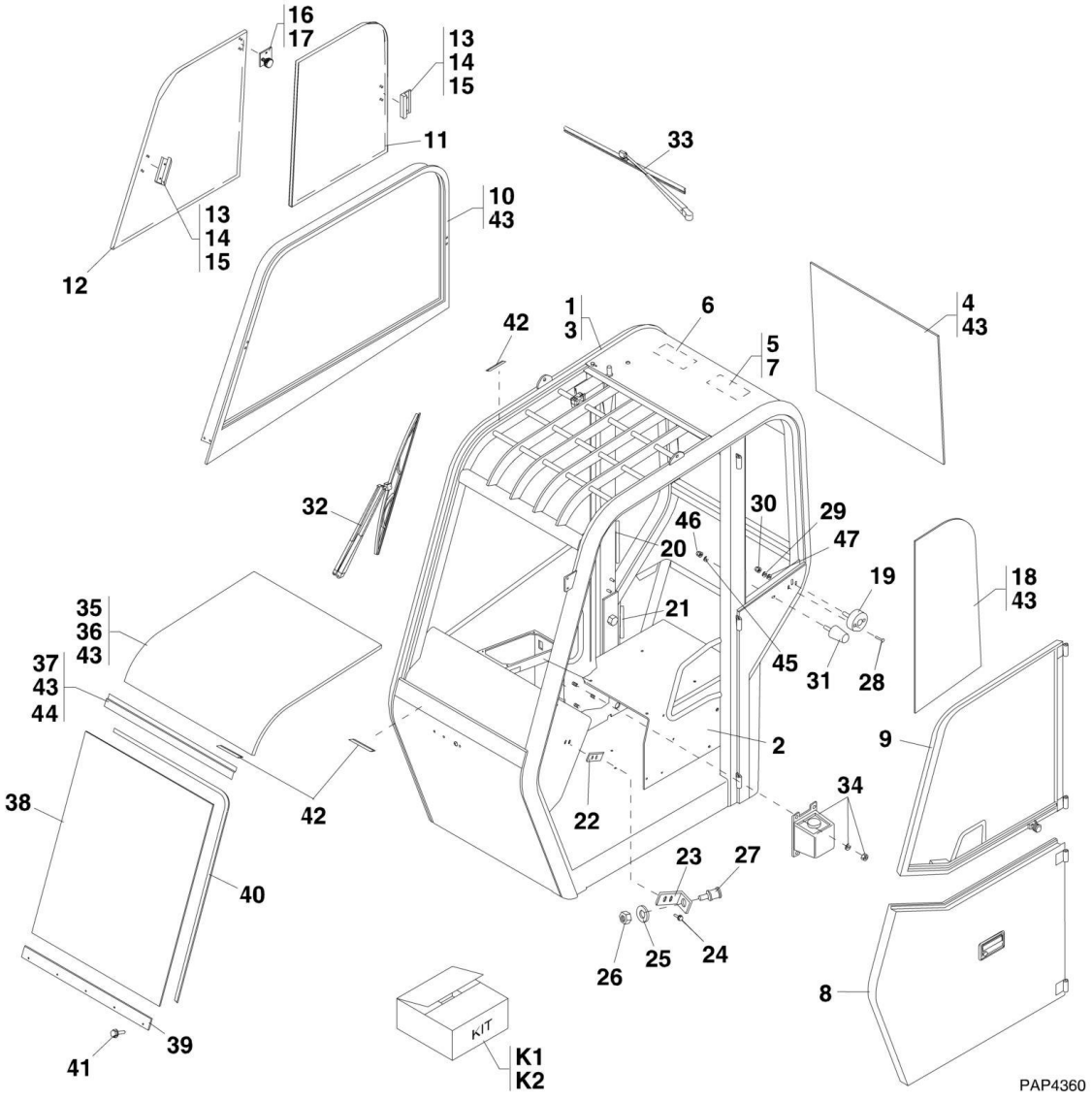


FIGURE 6-3. CLOSED CAB (SN 0160008825 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139048	NLA	ENCLOSED CAB WITH HEATER, (no longer available, order 1001125838 or see items 1 to 43 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 43)	D
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 ASSY, (See CAB DOOR for Breakdown)	
9		Ref	UPPER DOOR ASSY, (See CAB DOOR for Breakdown)	
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 K1	1	CAPSCREW	
14	Kit K1	1	SPACER	
15	Kit K1	1	LATCH	
16	Kit K2	1	LOCK BLOCK	
17	Kit K2	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.49 O.D.X.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	
37	7139316	1	UPPER WINDSHIELD CLIP	
38	7138951	1	WINDSHIELD GLASS	
39	7139298	1	LOWER WINDSHIELD PLATE	

SECTION 6 - CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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	
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

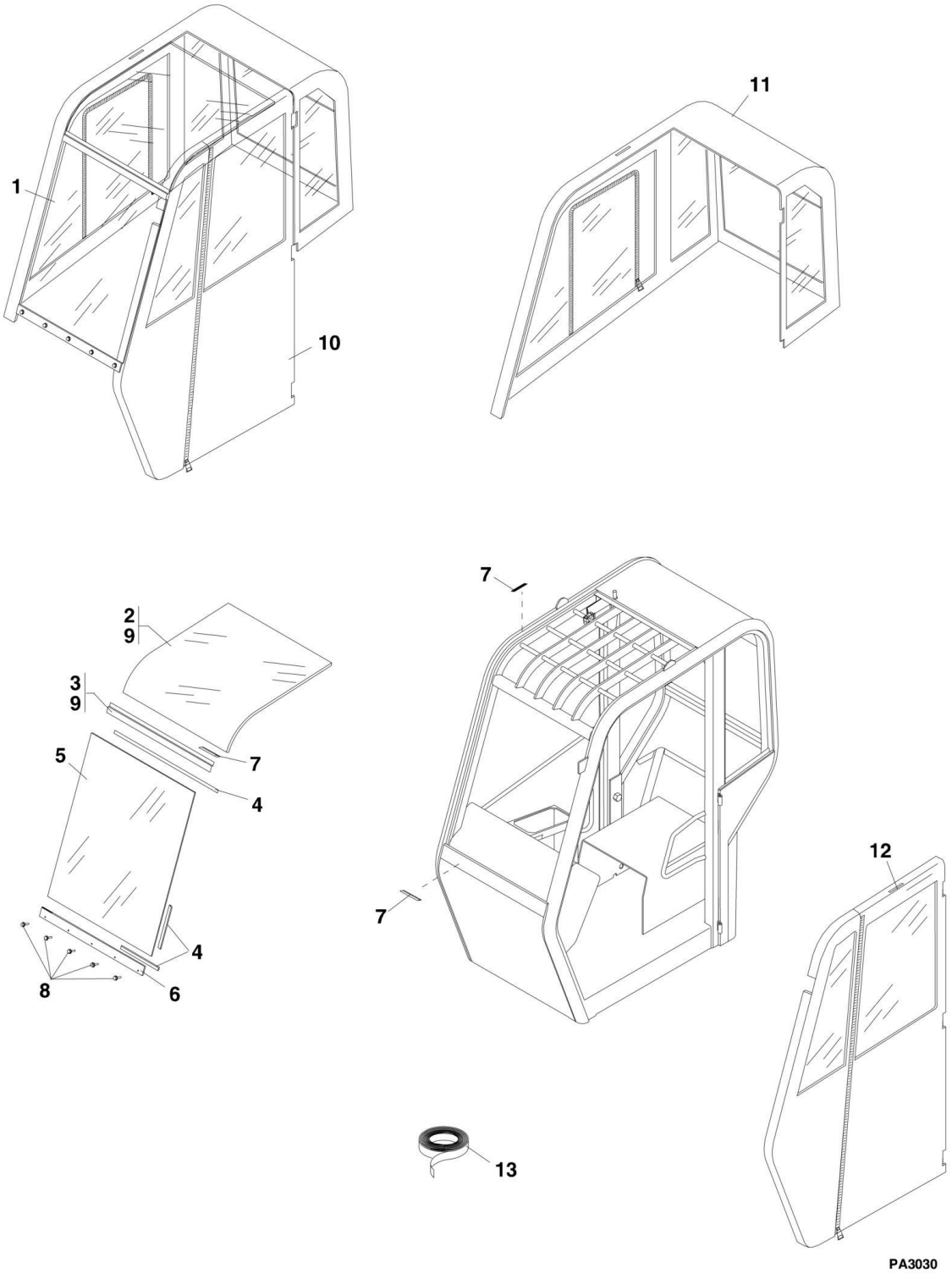


FIGURE 6-4. SOFT CAB ENCLOSURE

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, .22X.35, 14.75	
5	7138951	1	WINDSHIELD GLASS	
6	7139298	1	LOWER WINDSHIELD PLATE	
7	8035490	8	SETTING BLOCK, 1/8X1/4X2	
8	8037204	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 thru 13)	
11	7139293	1	MAIN SOFT CAB ENCLOSURE	
12	7139292	1	SOFT DOOR SECTION	
13	7139294	1	VELCRO KIT	
13	7139295	1	VELCRO BRAND HOOK STRIP 1X10, ORANGE, (not shown)	
13	7139296	1	VELCRO BRAND HOOK STRIP 2X10, ORANGE, (not shown)	

FIGURE 6-5. CAB DOOR

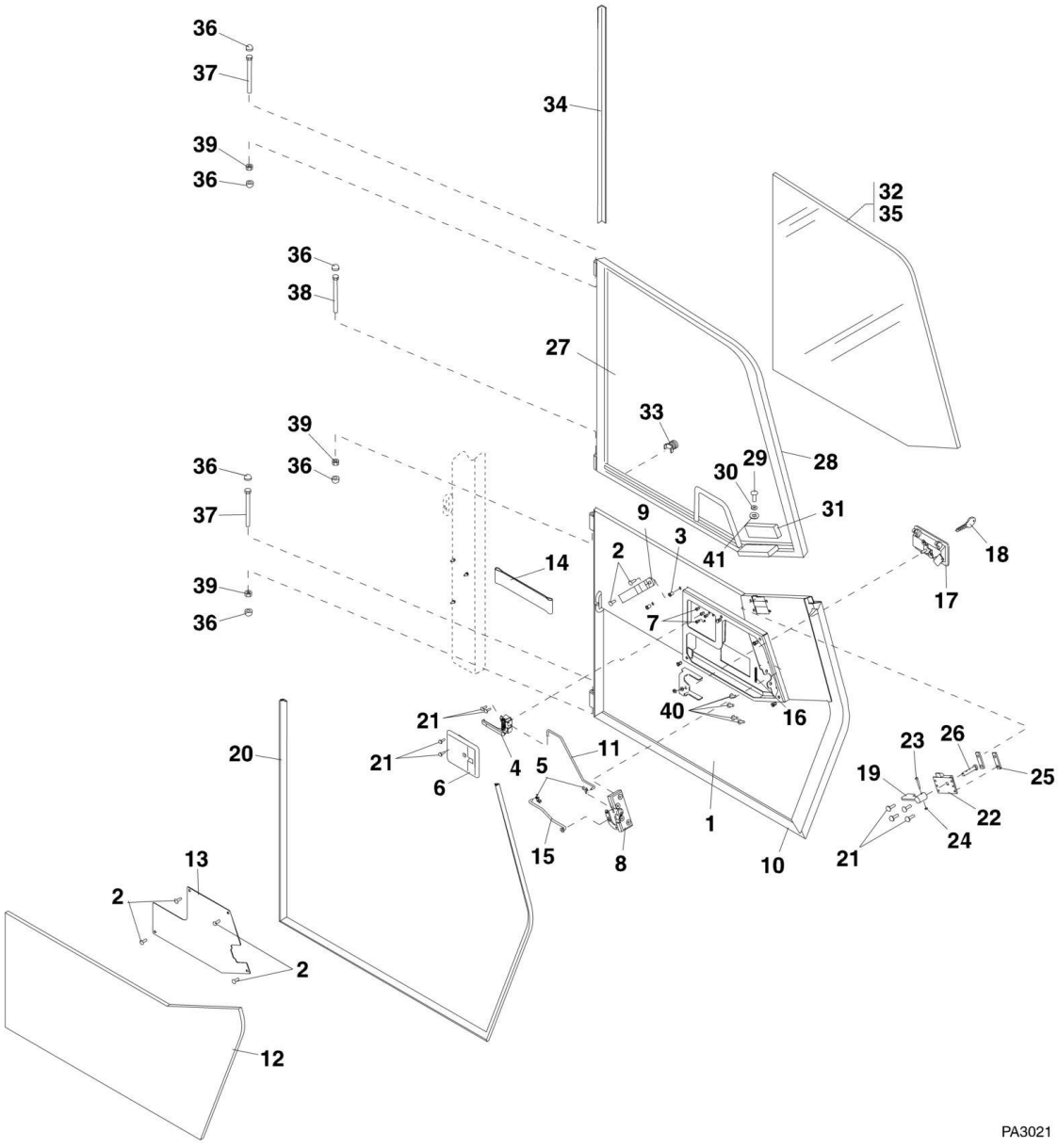


FIGURE 6-5. CAB DOOR

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)	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, .219X1-1/2X.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)	A
28	8036077	1	UPPER DOOR WELDMENT	
29	91344043	2	TORX SCREW, 1/4-20	
30	8035416	2	WASHER, 1/4 I.D.X.49 O.D.	
31	8036078	1	SLAM LATCH STRIKER	
32	8036079	1	LEFT SIDE DOOR GLASS	
33	8036080	1	RETAINER	
34	80364001	1	BULB SEAL, 15.5MMX10, (cut to fit)	
35	80364009	AR	URETHANE, (apply to item 32)	
36	8036065	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. OPERATORS SEAT (SN 17019 through 19897, SN 0160002408 through 0160010385)

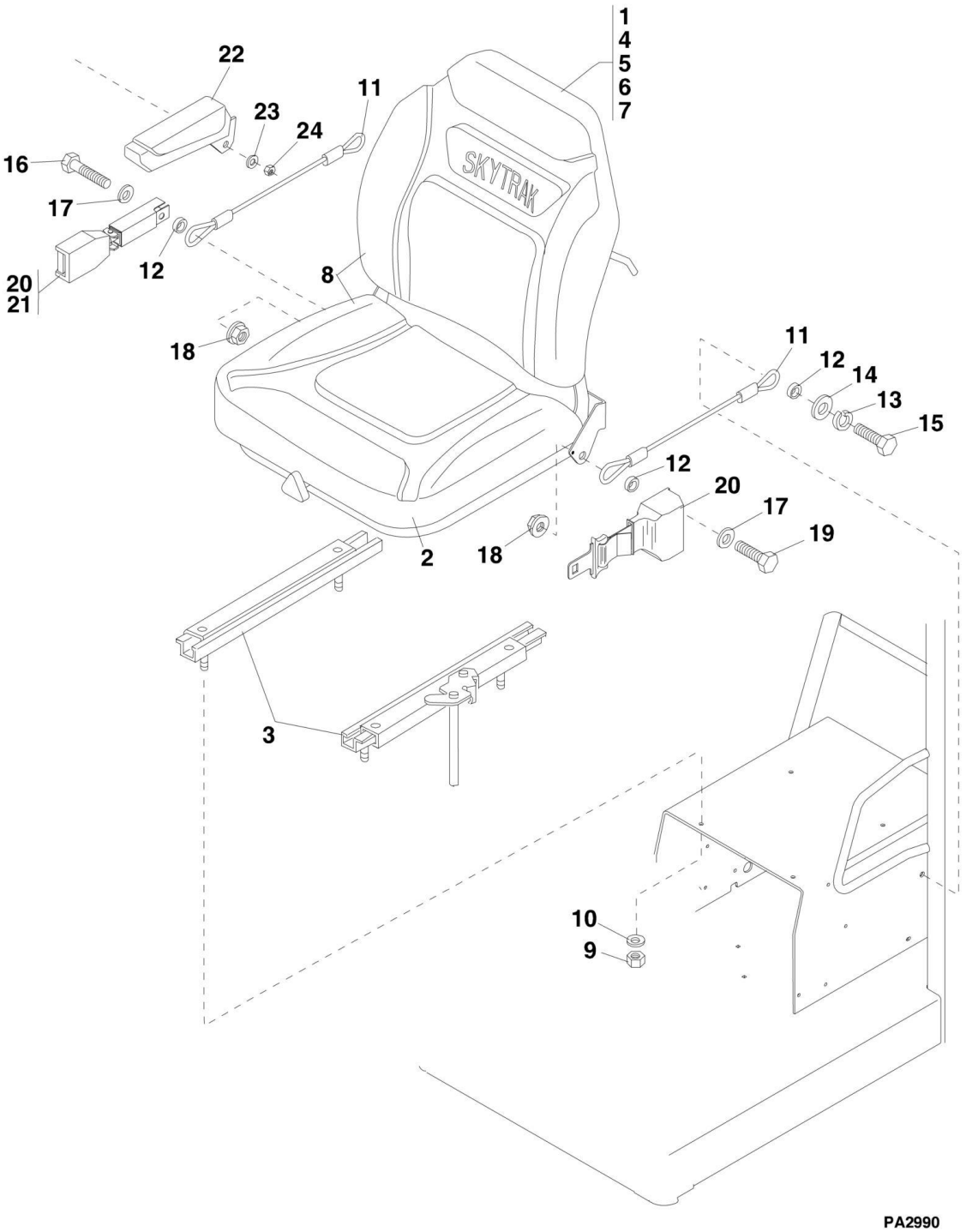


FIGURE 6-6. OPERATORS SEAT (SN 17019 through 19897, SN 0160002408 through 0160010385)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.S.S.	1	SUSPENSION SEAT, (order seat on OPERATORS SEAT) **(SN 0160010402 to Present)**	
2	8036009	1	BOOT, 60/76MM, (covers adjuster below seat)	
3	8036010	1	6IN ADJUSTER, (partially shown)	
4	8036011	1	DAMPER, (shock absorber)	
5	8036013	4	UP STOP/DOWN STOP BUMPER ROLLERS, 7/16 DIA	
6	8036014	1	SPRINGS AND CABLE	
7	8036015	1	HANGER/KNOB/TENSION SHAFT	
8	8036017	1	CUSHION/PAN ASSY KIT, (includes both seat and back rest)	
9	8305626	4	HEX LOCKNUT, 5/16-18	
10	8307106	4	PLAIN WASHER, .312	
11	7138883	2	TETHER	
12	7096491	4	SPACER	
13	8307006	2	LOCKWASHER, 7/16	
14	8307205	2	PLAIN WASHER, 7/16X1.125 O.D.	
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 WIDE WASHER, 7/16, (included with seat belt)	
18	N.S.S.	2	FLANGED HEX 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	2IN STANDARD SEAT BELT, (includes mounting hardware)	
21	8864058	1	3IN OPTIONAL SEAT BELT, (includes mounting hardware)	
22	7138858	1	ARM REST	
23	8307106	2	FLAT WASHER, 5/16	
24	8305626	2	LOCKNUT, 5/16-18	

FIGURE 6-7. OPERATORS SEAT (SN 0160010402 to Present)

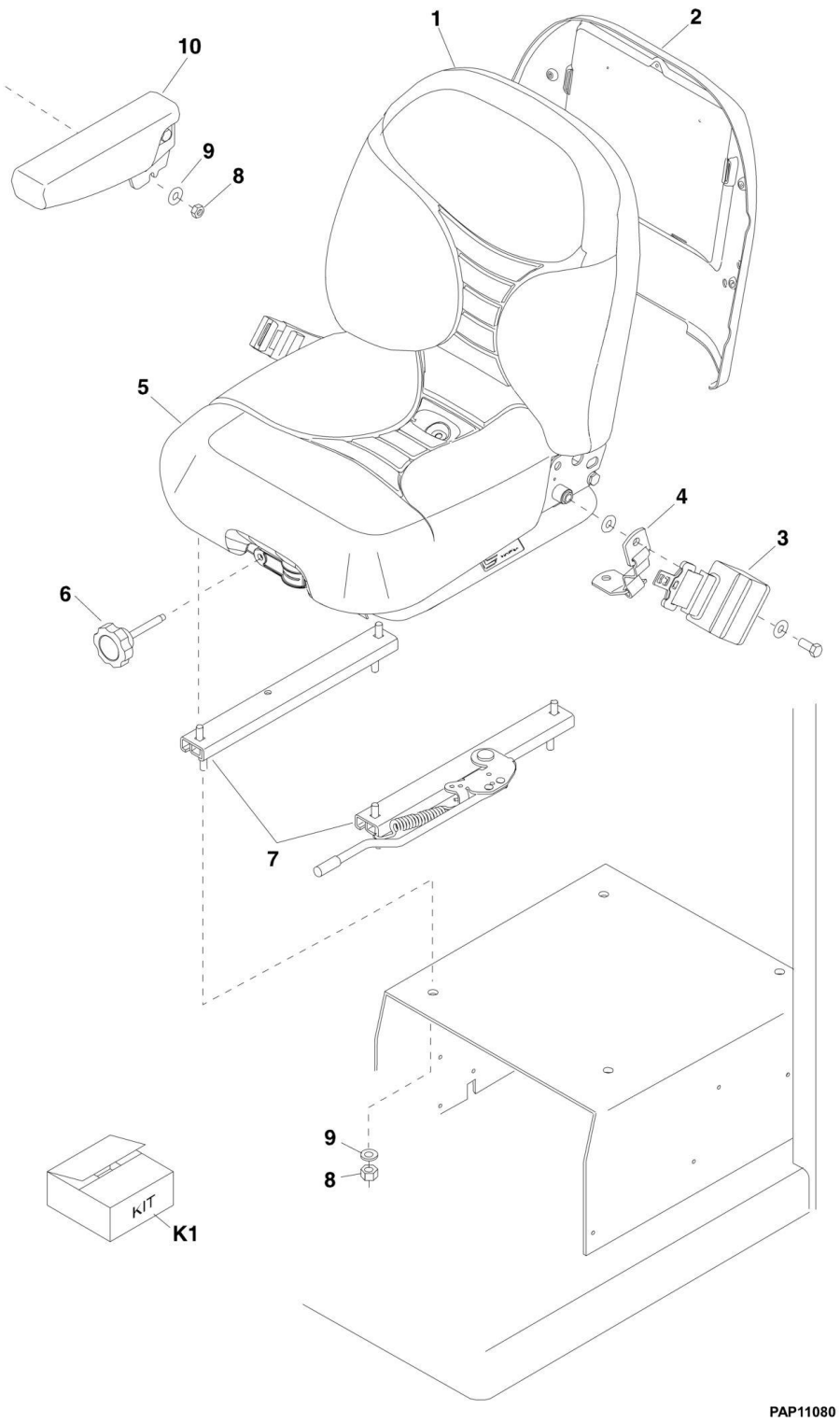


FIGURE 6-7. OPERATORS SEAT (SN 0160010402 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3980039	1	SUSPENSION SEAT, (includes items 1 thru 7) **(SN 0160010402 through 0160034230)**	D
	1001101085	1	SUSPENSION SEAT, (includes items 1 thru 7) **(SN 0160034231 to Present)**	D
1	7026900	1	BACK CUSHION KIT	
2	7026902	1	BACK PANEL KIT	
3	7026905	1	SEAT BELT KIT	
	91563164	1	SEAT BELT, 3IN, (California Only), (not included with seat)	
4	7026906	1	TETHER KIT	
5	7026901	1	SEAT CUSHION KIT	
6	7026799	1	KNOB KIT	
7	7026798	1	SLIDE KIT	
8	8305626	6	HEX LOCKNUT, 5/16-18	
9	8307106	6	PLAIN WASHER, 5/16	
10	7138858	1	ARM REST	
11	70023040	1	SHOCK ABSORBER KIT, (not shown), (includes one shock absorber, two shock pins and two hex nuts)	
12	70023041	1	SPRING AND SADDLE KIT, (not shown)	
13	70023890	1	BOOT KIT, (not shown)	
K1	70023139	1	SEAT BELT KIT, 3IN, (includes female and retractor ends)	

FIGURE 6-8. FRONT WINDSHIELD WIPER

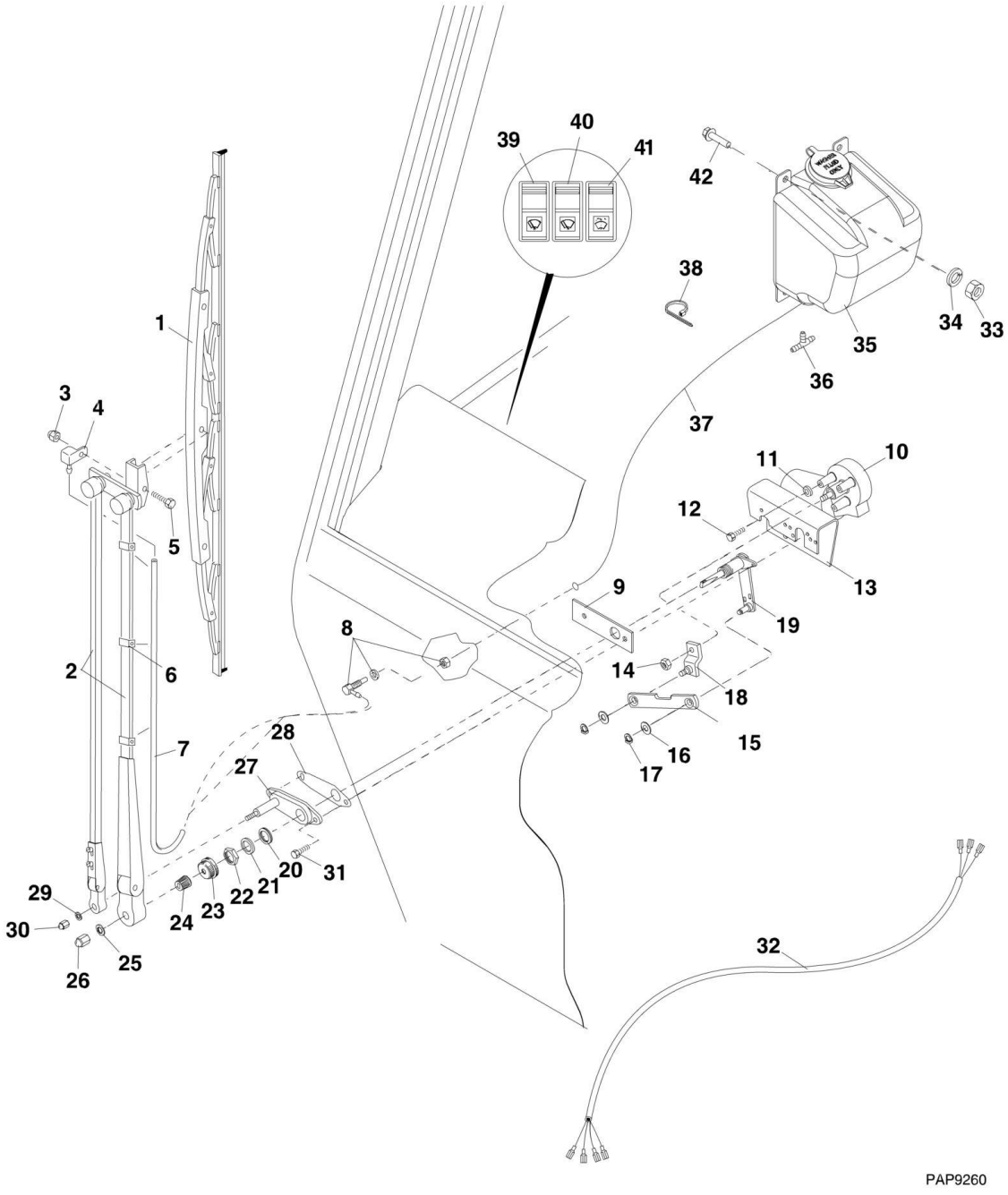


FIGURE 6-8. FRONT WINDSHIELD WIPER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8036056	1	FRONT WINDSHIELD WIPER ASSY, (includes items 1 thru 31)	
1	8035392	1	28IN FLEX WIPER BLADE	
2	8035393	1	24IN 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	HOSE CLIPS	
7	N.S.S.	1	HOSE	
8	1001081310	1	WET ARM SPACER	
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, .560X.251X.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 -BLACK	
32	8036070	1	WIPER HARNESS	
33	8035479	3	NUT, 1/4-20, BLACK	
34	8035416	3	LOCKWASHER, 1/4X.49 O.D.X07	
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	
38	8584001	AR	TIE WRAP	
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	8033065	3	SCREW, 1/4-20X5/8	

FIGURE 6-9. SKYLIGHT WINDSHIELD WIPER

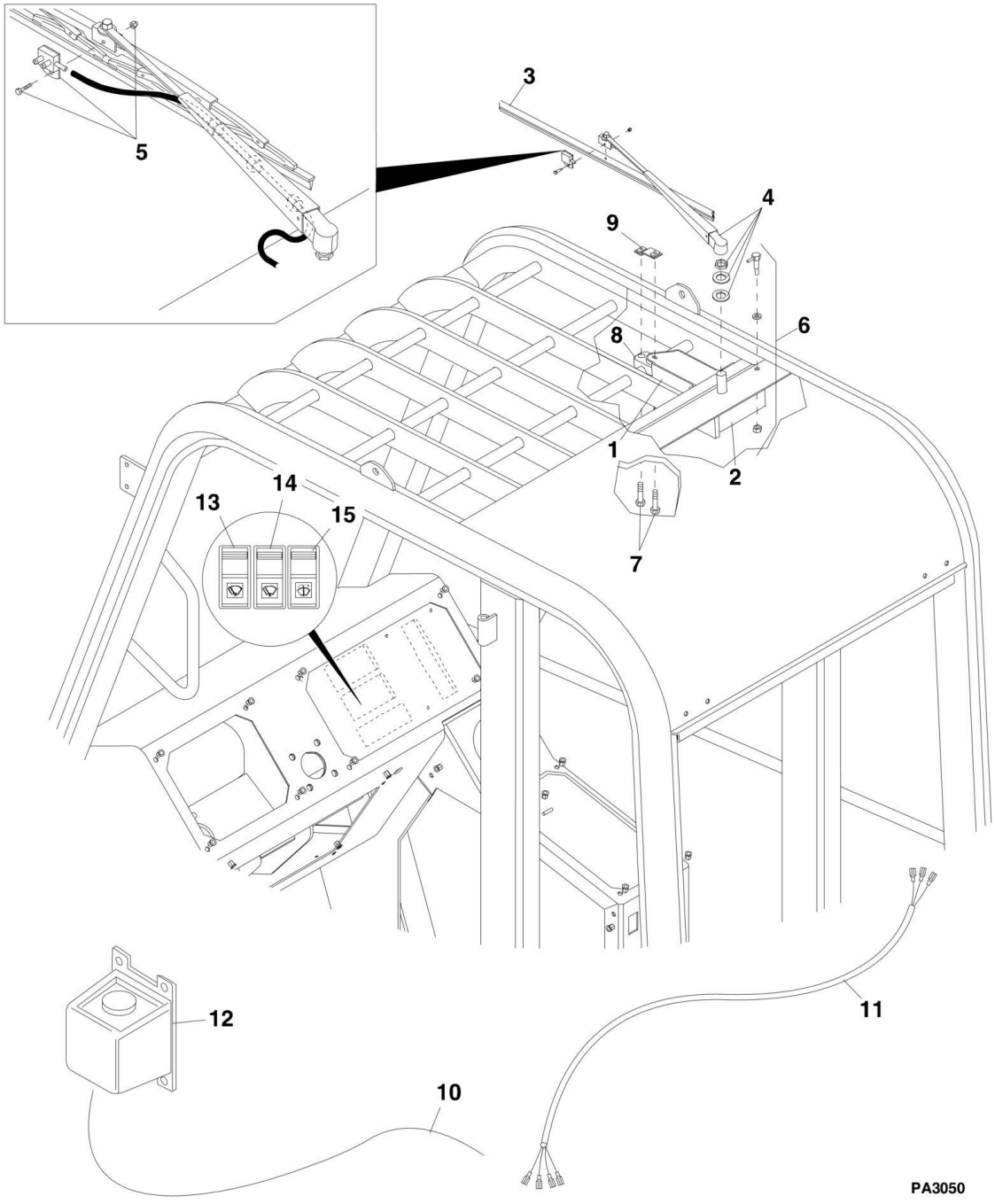


FIGURE 6-9. SKYLIGHT WINDSHIELD WIPER

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	1001081310	1	WET ARM SPACER	
6	8035499	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, (See FRONT WINDSHIELD WIPER for Breakdown)	
11		Ref	WIPER HARNESS, (See FRONT WINDSHIELD WIPER for Breakdown)	
12		Ref	RESERVOIR WITH 12 VOLT 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	WINDSHIELD WASHER SWITCH, (See FRONT WINDSHIELD WIPER for Breakdown)	

FIGURE 6-10. CAB HEATER

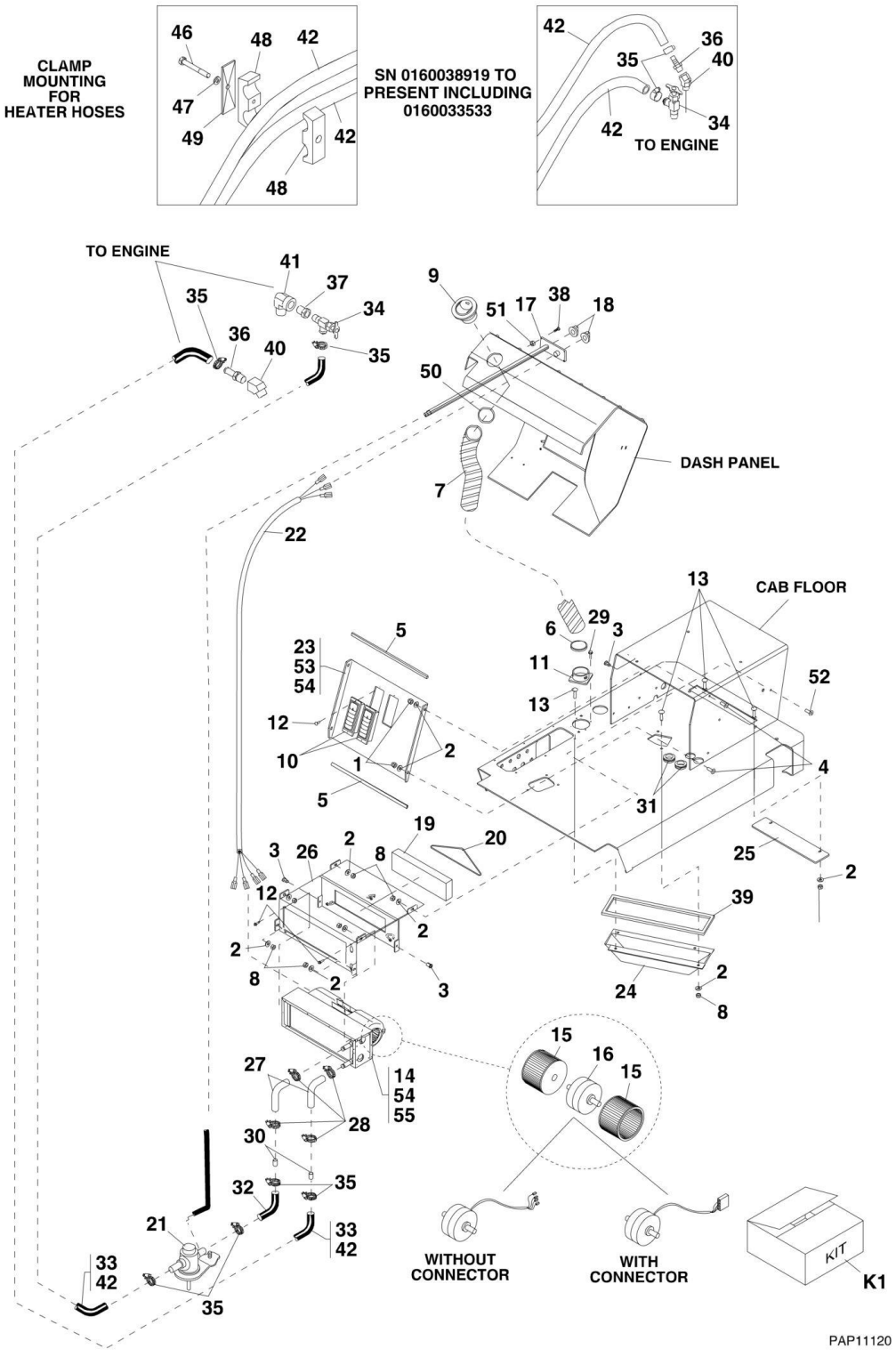


FIGURE 6-10. CAB HEATER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139049	NLA	CAB HEATER ASSY, (includes items 1 thru 31, 38, 39 & 50 thru 53), (no longer available, use 1001125837 for replacement)	B
	1001125837	1	CAB HEATER KIT, (includes items 1 thru 31, 38, 39 & 50 thru 53)	B
1	8035479	4	ACORN NUT, 1/4-20	
2	8035416	14	LOCKWASHER, 1/4 IDX.49 O.D.	
3	1001103509	4	HEX PILOT RIVNUT, 1/4-20X.305	
4	91344043	4	BOLT, 1/4-20X.625	
5	80364020	2	SLOT EDGE TRIM, 2.69	
6	8035406	2	WIDE NYLON TIE	
7	8036110	1	HOSE ASSY	
8	8035417	12	HEX NUT, 1/4-20, GR5	
9	8035402	1	4IN 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	8036410	NLA	HEATER, 12V, (no longer available, order 1001125774 for replacement or items 15 & 16 for service)	
14	1001113276	NLA	HEATER, 12V, (no longer available, use 1001125774 for replacement or items 15 & 16 for service)	C
14	1001125774	1	HEATER, 12V, (includes items 16)	B
15	8036421	2	BLOWER WHEEL	
16	70021546	1	MOTOR, 12V, (without connector)	
16	70023034	1	MOTOR, 12V, (with connector)	
16	1001126234	1	MOTOR ASSY, 12V, (includes blower wheel)	
17	8036114	1	PANEL/CABLE HEATER CONTROL, (includes item 18)	
18	8036388	2	POSITIONING KNOB, (includes set screw and brass insert)	
19	1001081375	1	AIR FILTER	
20	1001081376	1	RUBBER O-RING	
21	1001081045	1	HEATER WATER VALVE	
22	8036118	1	HEATER WIRE HARNESS	
23	8036119	1	HEATER LOUVER PANEL	
24	8036120	1	HEATER DUCT	
25	8036121	1	FILTER ACCESS PLATE	
26	8036122	1	HEATER MOUNT WELDMENT	
27	8036124	2	RUBBER HOSE, 90	
28	8410009	4	CLAMP, WORM GEAR	
29	91404298	4	POP RIVET	
30	1001081046	2	COPPER SPLICE, 5/8 HEATER HOSE	
31	1001081049	2	SPLIT RUBBER GROMMET	
32	6620472	1	HEATER HOSE ASSY	
33	7139174	2	HEATER HOSE ASSY **(Prior to SN 0160038919, Excluding 0160033533)**	
34	8360005	1	SHUT OFF VALVE	
35	8405007	5	GEAR CLAMP, 1.25 DIA MAX	
36	8430048	1	REDUCER **(Prior to SN 0160038919, Excluding 0160033533)**	
36	2220806	1	REDUCER **(SN 0160038919 to Present, Including 0160033533)**	
37	2220251	1	REDUCER **(Prior to SN 0160038919, Excluding 0160033533)**	
38	8036128	4	SCREW, #6-32X1/2	
39	8035599	1	FOAM, .25X.5	

SECTION 6 - CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	8540231	1	ADAPTER, 45, **(Prior to SN 0160038919, Excluding 0160033533)**	
40	8540205	1	ADAPTER, 45, **(SN 0160038919 through 0160039770, Including 0160033533)**	
40	1001120819	1	ADAPTER, 45, **(SN 0160039790 to Present)**	
41	8540218	1	ADAPTER, 90, **(Prior to SN 0160038919, Excluding 0160033533)**	
42	1001100225	2	HEATER HOSE ASSY **(SN 0160038919 to Present, Including 0160033533)**	
46	8303757	1	HEX HD CAPSCREW, 5/16-18X2-1/2, GR5 **(SN 0160038919 to Present, Including 0160033533)**	
47	8307004	1	LOCKWASHER, 5/16 **(SN 0160038919 to Present, Including 0160033533)**	
48	8750024	1	CLAMP SET **(SN 0160038919 to Present, Including 0160033533)**	
49	8750025	1	COVER PLATE **(SN 0160038919 to Present, Including 0160033533)**	
50	8405202	1	CLAMP	
51	8036129	4	NYLOCK NUT, #6-32	
52	8033856	8	SCREW, 1/4-20X3/4	
53	7139301	2	FOAM	
54	70020631	1	HEATER PANEL ASSY, (includes items 5, 10, 12, 23 & 53)	
K1	7148100	1	FIELD INSTALLATION HEATER KIT, (includes items 1 thru 31, 38, 39 & 50 thru 53)	

SECTION 7 - CONTROLS

FIGURE 7-1. SERVICE BRAKE PEDAL CONTROL (Prior to SN 0160038919, Excluding 0160033533)

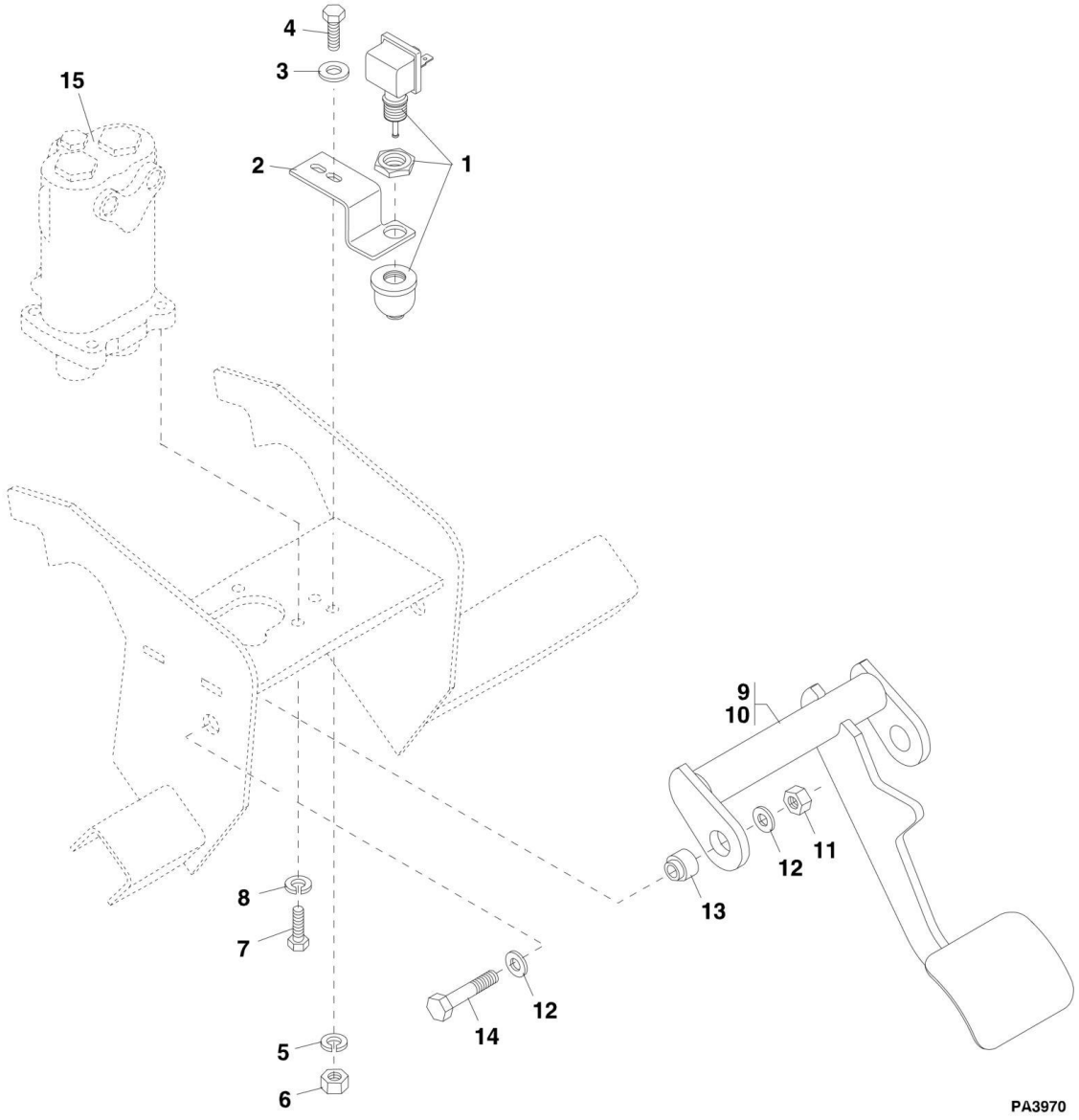


FIGURE 7-1. SERVICE BRAKE PEDAL CONTROL (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8223025	1	SERVICE BRAKE SWITCH	
2	7139271	1	BRAKE SWITCH BRACKET	
3	8307109	2	FLAT WASHER, 1/4	
4	8303540	2	HEX HD CAPSCREW, 1/4-20X1	
5	8307002	2	LOCK WASHER, 1/4	
6	8305004	2	HEX NUT, 1/4-20	
7	8303755	4	HEX HD CAPSCREW, M10-1.5X30MM	
8	8307023	4	LOCK WASHER, M10	
9	8024024	1	SERVICE BRAKE PEDAL KIT, (includes items 10 thru 14)	
10	7139027	1	BRAKE PEDAL	
11	8305644	2	LOCKNUT 1/2-13	
12	8307206	4	FLAT WASHER, 1/2	
13	7129521	2	BRAKE PEDAL PIVOT	
14	8303658	2	HEX HD CAPSCREW, 1/2-13X2	
15		Ref	BRAKE VALVE, (See HYDRAULIC CIRCUITS SECTION for Breakdown)	

FIGURE 7-2. SERVICE BRAKE PEDAL CONTROL (SN 0160038919 to Present, Including 0160033533)

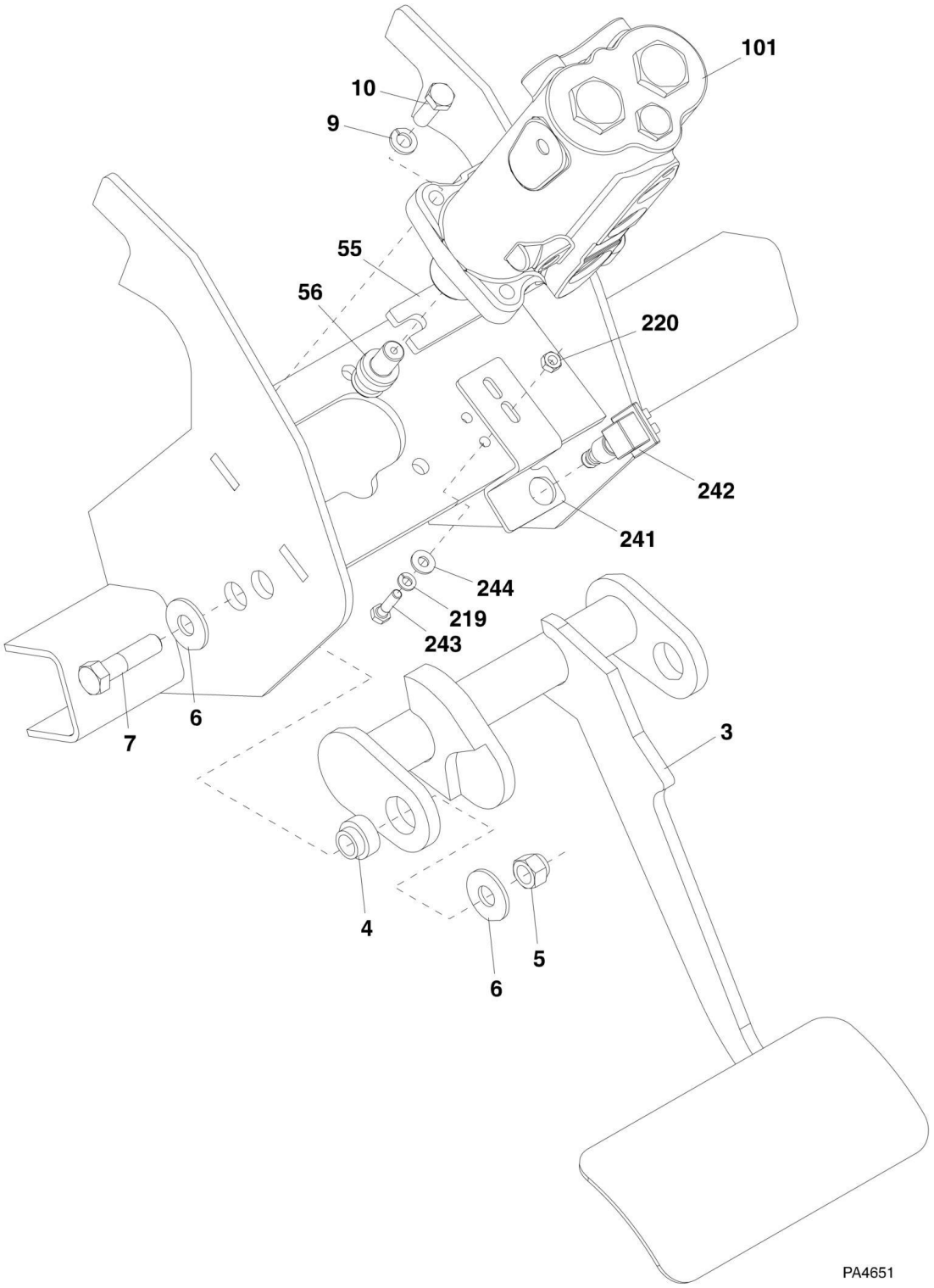


FIGURE 7-2. SERVICE BRAKE PEDAL CONTROL (SN 0160038919 to Present, Including 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
3	1001103113	1	BRAKE PEDAL	
4	7129521	2	BRAKE PEDAL PIVOT	
5	8305644	2	HEX LOCKNUT, 1/2-13	
6	8307206	4	FLAT WASHER, 1/2	
7	8303658	2	HEX HD CAPSCREW, 1/2-13X2, GR5	
9	8307023	4	LOCKWASHER, 10MM	
10	8303755	4	HEX HD CAPSCREW, 10X1-1/2X30MM, GR8.8	
55	91511145	1	TIE BAR	
56	91513180	2	ACTUATOR	
101		Ref	BRAKE VALVE, (See HYDRAULIC CIRCUITS SECTION for Breakdown)	
219	8307002	2	LOCKWASHER, 1/4	
220	8305004	2	HEX NUT, 1/4-20	
241	1001107355	1	SERVICE BRAKE SWITCH BRACKET	
242	8223025	1	SERVICE BRAKE SWITCH	
243	8303540	2	HEX HD CAPSCREW, 1/4-20X1	
244	8307109	2	FLAT WASHER, 1/4	

FIGURE 7-3. THROTTLE PEDAL CONTROL (SN 17019 through 19897, SN 0160002408 through 0160004109)

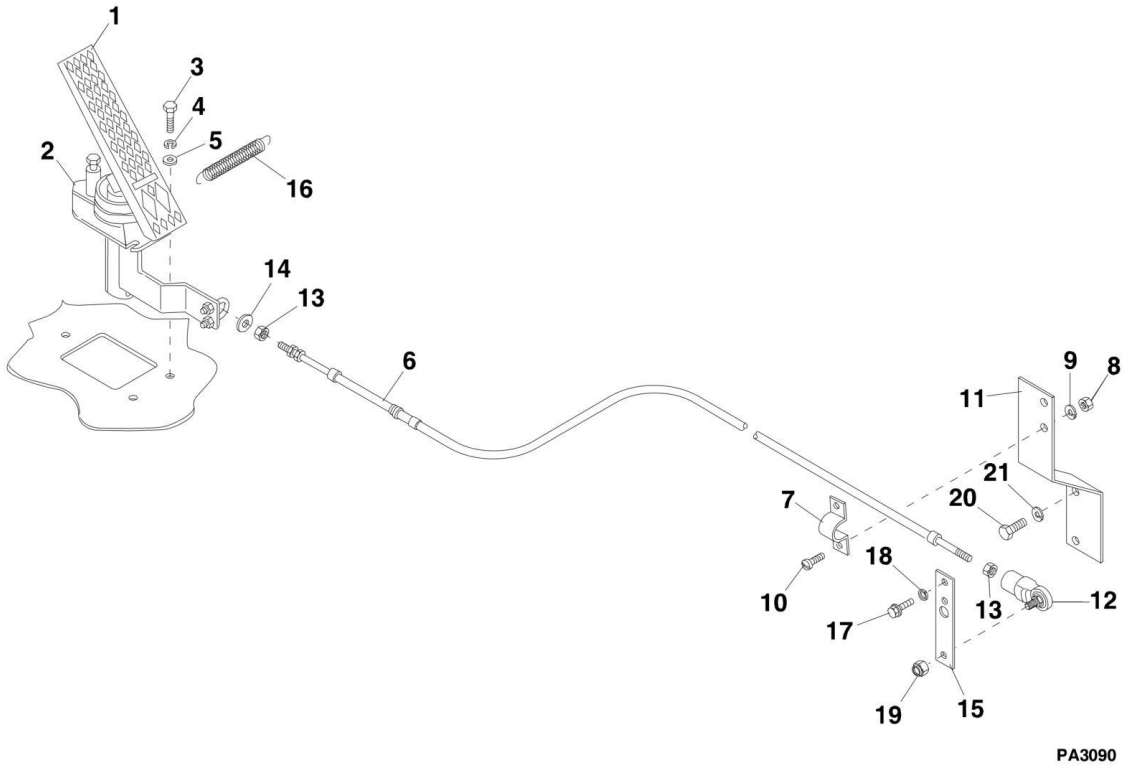


FIGURE 7-3. THROTTLE PEDAL CONTROL (SN 17019 through 19897, SN 0160002408 through 0160004109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8162003	1	THROTTLE PEDAL, (includes item 2)	AC
2	8033178	1	THROTTLE PEDAL BELLOWS	
3	8303540	3	HEX HD CAPSCREW, 1/4-20X1	
4	8307002	3	LOCKWASHER, 1/4	
5	8307109	3	FLAT WASHER, 1/4	
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	JAMNUT, 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	

FIGURE 7-4. THROTTLE PEDAL CONTROL (SN 0160004111 through 0160039245)

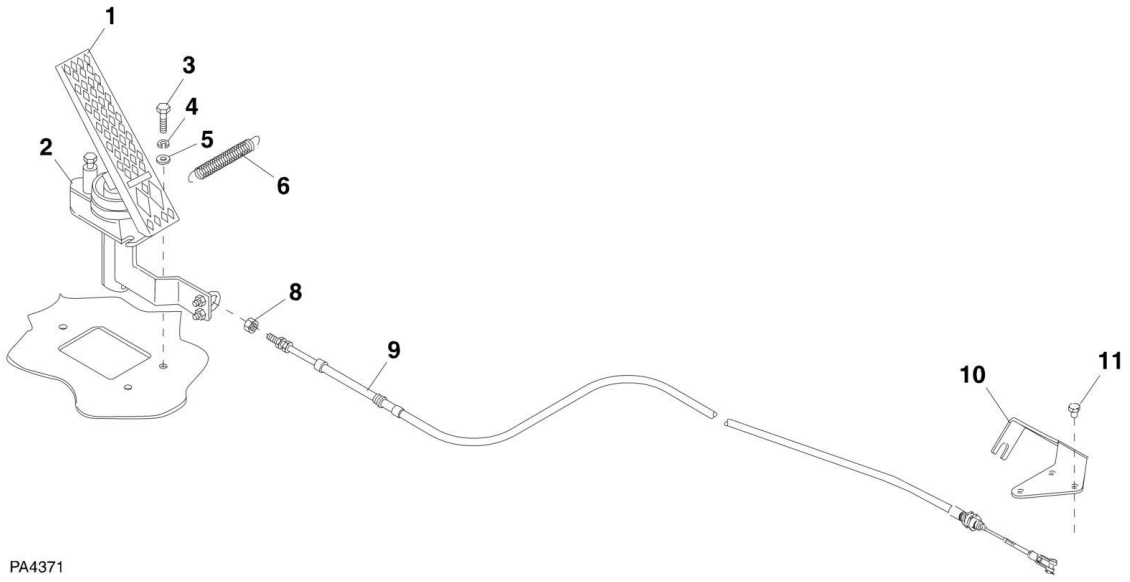


FIGURE 7-4. THROTTLE PEDAL CONTROL (SN 0160004111 through 0160039245)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8162003	1	THROTTLE PEDAL, (includes item 2)	AC
2	8033178	1	THROTTLE PEDAL BELLOWS	
3	8303540	3	HEX HD CAPSCREW, 1/4-20X1	
4	8307002	3	LOCKWASHER, 1/4	
5	8307109	3	FLAT WASHER, 1/4	
6	8700116	1	SPRING	
8	8305402	2	JAMNUT, 1/4	
9	1600373	1	THROTTLE CABLE	
10	7302331	1	THROTTLE CABLE BRACKET	
11	8310628	3	HEX HD CAPSCREW, M10X1.5X14MM, PC8.8, (torque to 45-60 lb-ft)	

FIGURE 7-5. THROTTLE PEDAL CONTROL (SN 0160039434 to Present)

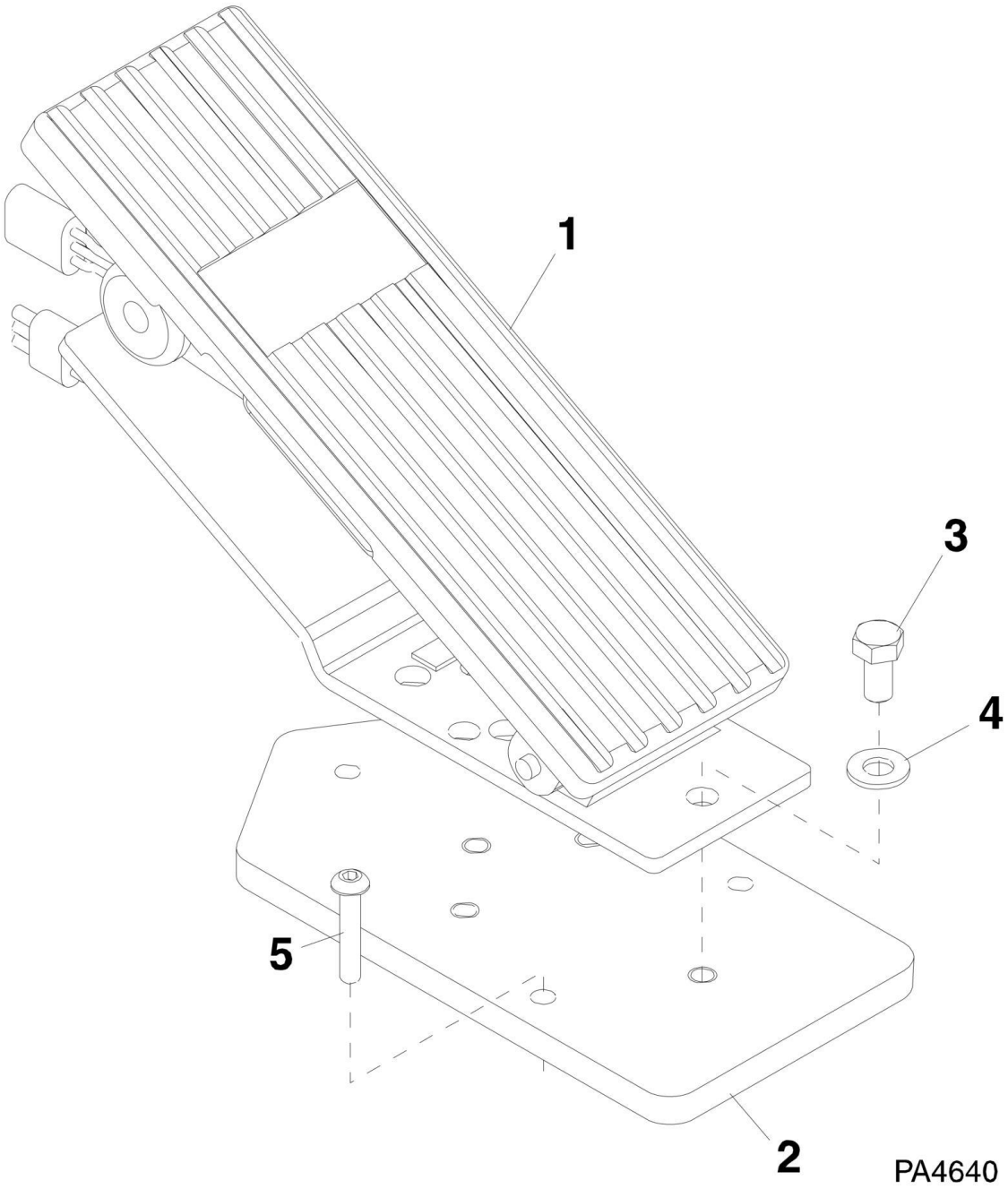


FIGURE 7-5. THROTTLE PEDAL CONTROL (SN 0160039434 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7301585	1	THROTTLE PEDAL ADAPTER ASSY, (includes items 1 thru 5)	C
1	3400022	1	THROTTLE PEDAL ACCELERATOR	
2	3576442	1	THROTTLE ADAPTER PLATE	
3	8303745	4	HEX HD CAPSCREW, 5/16-18X5/8, GR5	
4	8307106	4	FLAT WASHER, 5/16	
5	8310725	3	BUTTON HD CAPSCREW, 1/4-20X1-1/4	

FIGURE 7-6. STEERING WHEEL AND SHIFTER

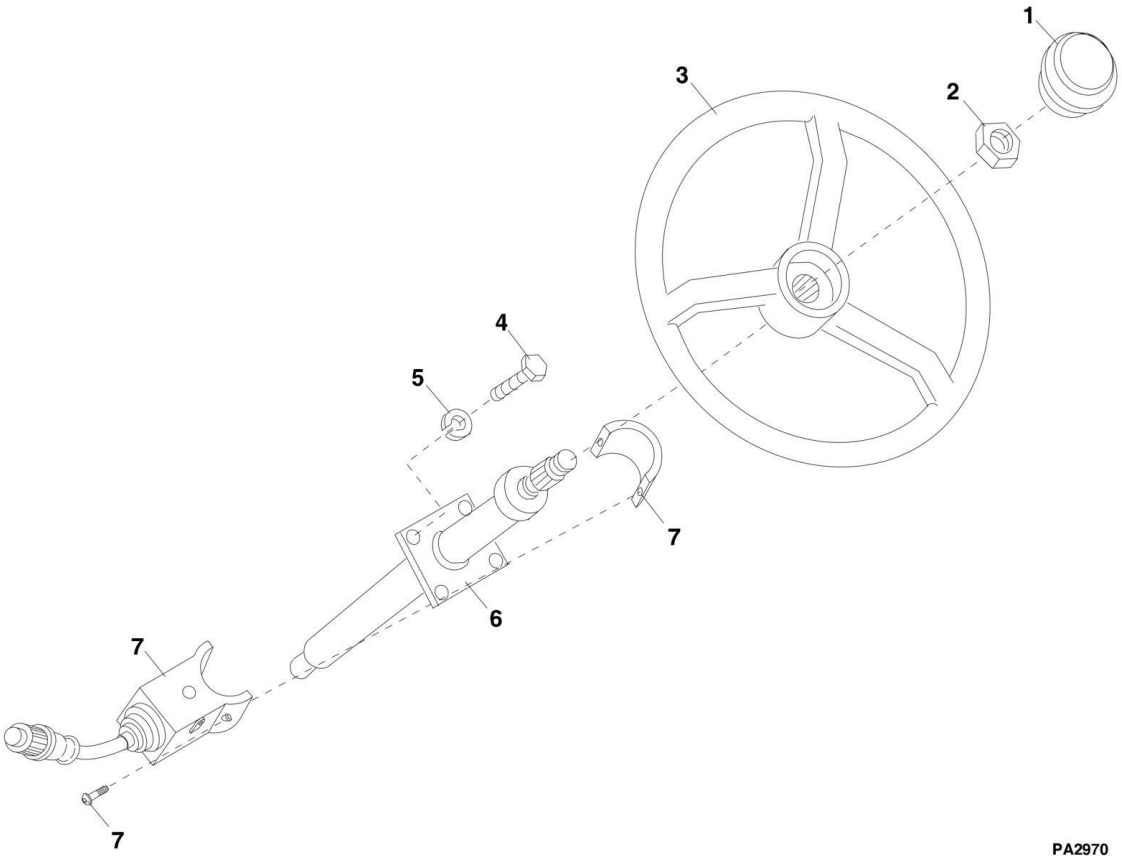


FIGURE 7-6. STEERING WHEEL AND SHIFTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7138878	1	STEERING WHEEL CAP, (with horn button switch)	
2	8305916	1	STEERING COLUMN NUT, (torque to 45-50 lb-ft)	
3	7138836	1	STEERING WHEEL	
4	8303534	4	FLAT 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) **(SN 17019 through 19897, SN 0160002408 through 0160015196)**	
7	1600429	1	TRANSMISSION RANGE SELECTOR SHIFTER, (includes mounting hardware) **(SN 0160015215 to Present)**	

FIGURE 7-7. CONTROL CONSOLE

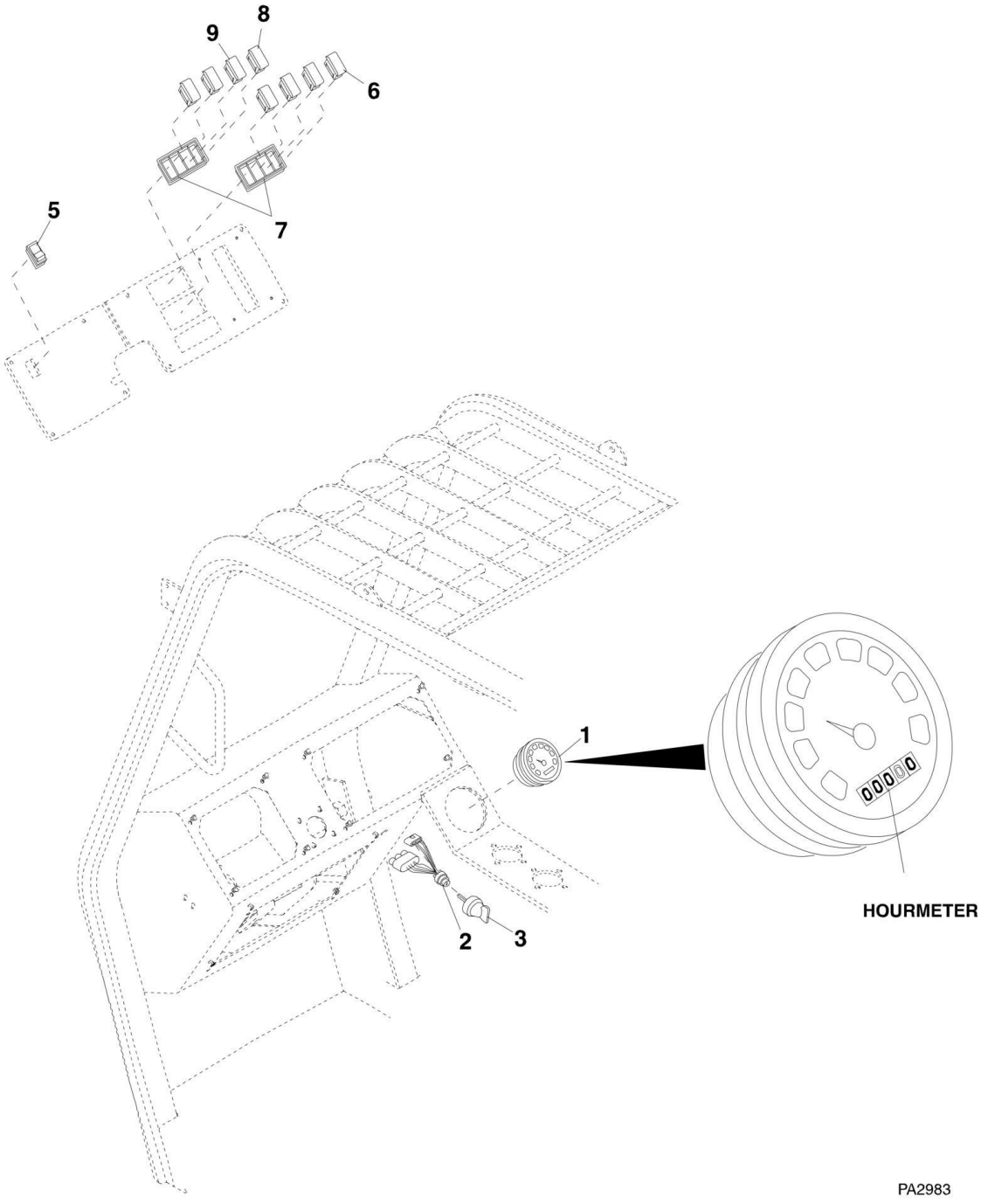


FIGURE 7-7. CONTROL CONSOLE

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 for replacement or kit 2915161 on OPTIONS SECTION for service) **(SN 17019 through 19897, SN 0160002408 through 0160023103)**	
2	4360690	1	IGNITION SWITCH, (includes item 3) **(SN 0160023252 to Present)**	
3	8035807	AR	KEY, (with cover)	
5	8223054	1	PARK BRAKE SWITCH	
6	8223037	1	STEER SELECT SWITCH	
7	8223046	2	BEZEL SWITCH	
8	8223081	1	ECM INDICATOR **(SN 0160038919 to Present, Including 0160033533)**	
9	8223082	1	ENGINE PREHEAT INDICATOR **(SN 0160038919 to Present, Including 0160033533)**	

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

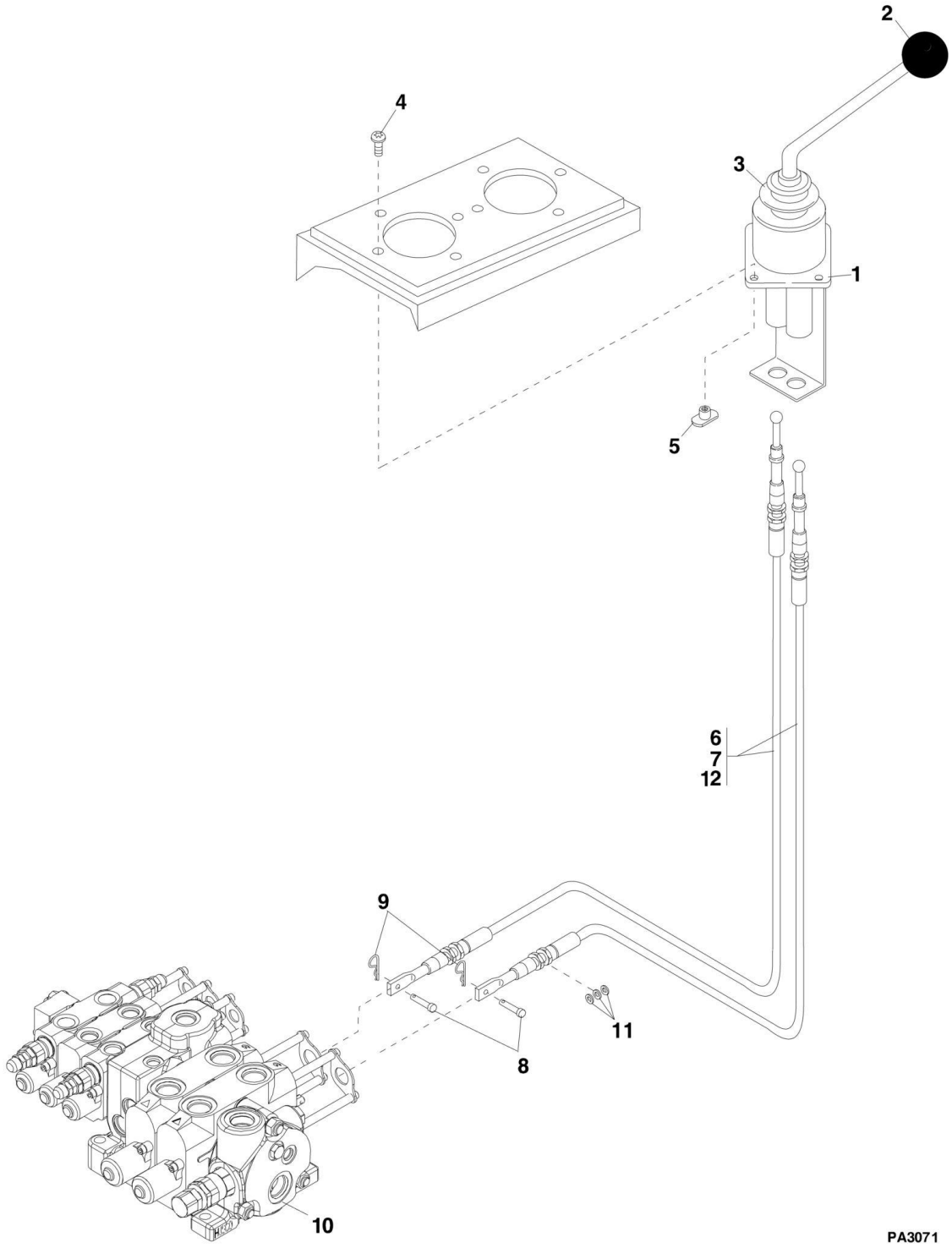


FIGURE 7-8. BOOM LIFT/LOWER AND EXTEND/RETRACT CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8224045	1	JOYSTICK WITH GATE, (includes items 2 & 3)	AB
2	8580110	1	KNOB	
3	8160419	1	BOOT	
4	8310143	4	HEX HD SCREW, 1/4X1	
5	8310144	4	PROP TEE NUT	
6	8024021	2	BOOM LIFT/LOWER AND EXTEND/RETRACT CONTROL CABLE ASSY, (includes items 7 thru 9)	
7	1001132550	1	CONTROL CABLE	
8	8301443	1	CLEVIS PIN, 3/16X1	
9	8302470	1	HAIR PIN, 3/32	
10		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
11	4812300	6	FLAT WASHER, M16	
12	0100011	AR	LOCTITE 242	

FIGURE 7-9. FRAME SWAY AND ATTACHMENT TILT CONTROL

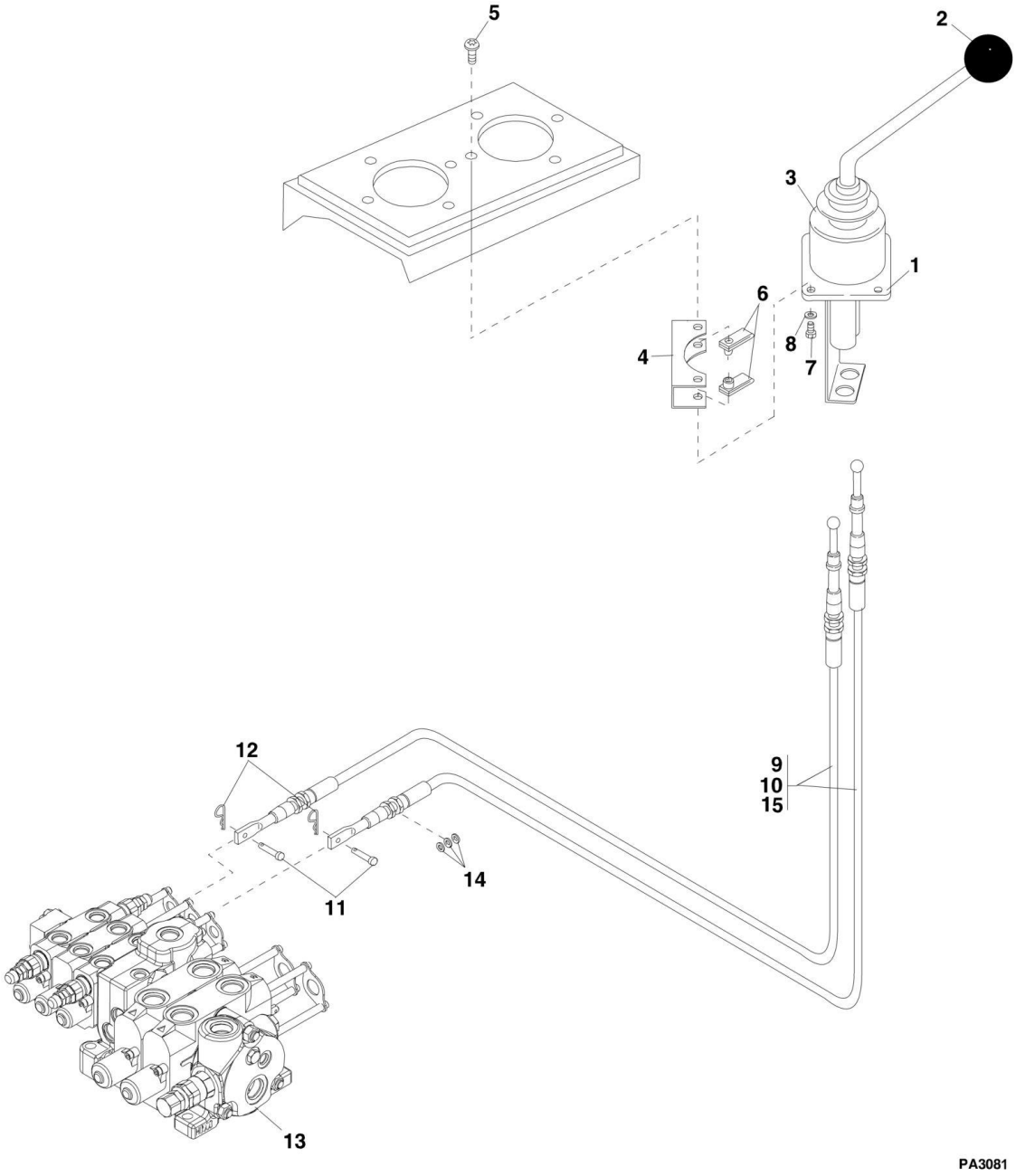


FIGURE 7-9. FRAME SWAY AND ATTACHMENT TILT CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8224047	1	JOYSTICK WITH GATE, (includes items 2 & 3)	AB
2	8580110	1	KNOB	
3	8160419	1	BOOT	
4	7098142	2	SPACER	
5	88261017	4	HEX HD SCREW, 1/4-20NCX7/8	
6	8310001	8	NUT	
7	8303540	4	HEX HD SCREW, 1/4X1	
8	8307109	4	FLAT WASHER, 1/4	
9	8024022	2	FRAME SWAY AND ATTACHMENT TILT CONTROL CABLE ASSY, (includes items 10 thru 12)	
10	1001132551	1	CONTROL CABLE	
11	8301443	1	CLEVIS PIN, 3/16X1	
12	8302470	1	HAIR PIN, 3/32	
13		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
14	4812300	6	FLAT WASHER, M16	
15	0100011	AR	LOCTITE 242	

FIGURE 7-10. AUXILIARY HYDRAULIC CONTROL

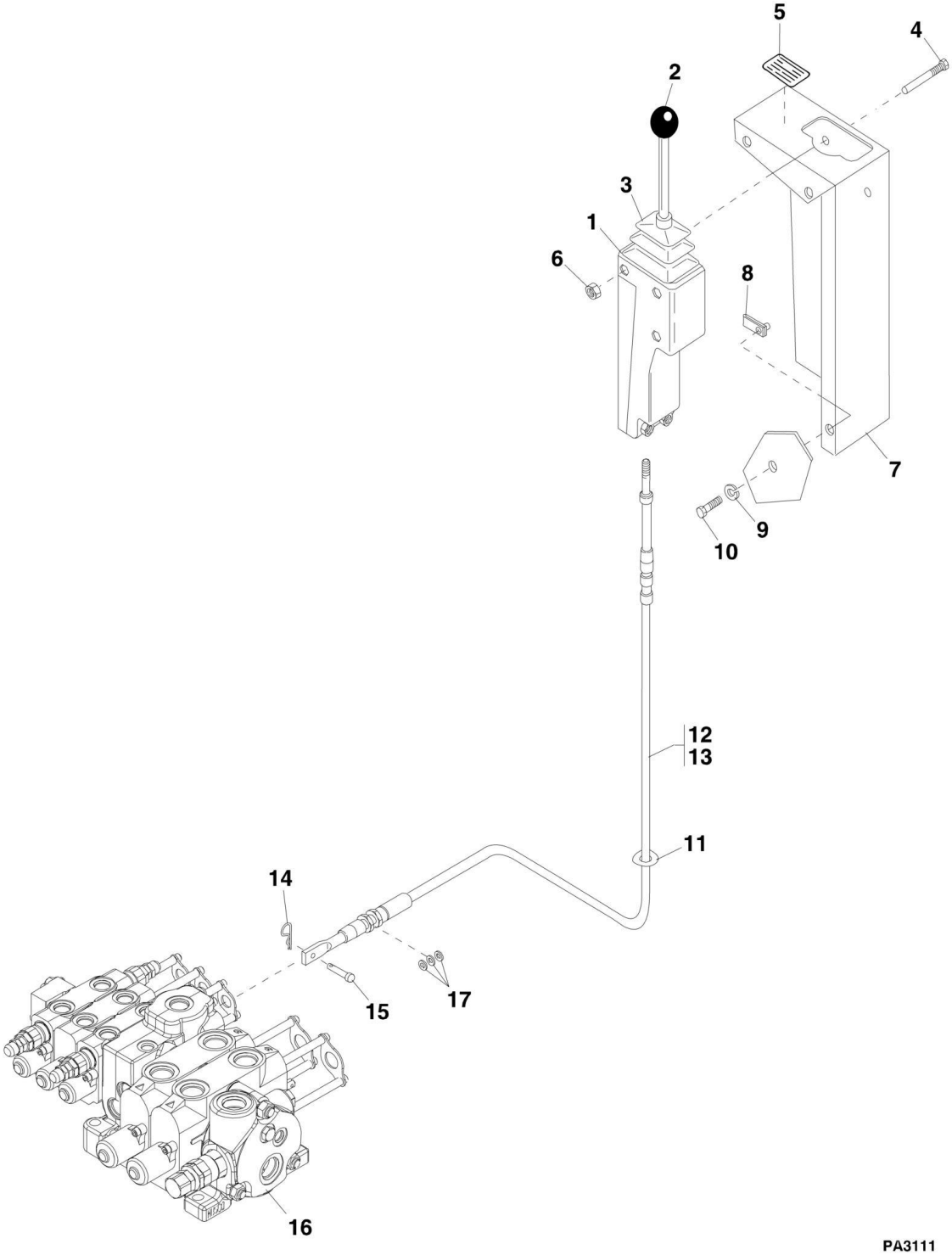


FIGURE 7-10. AUXILIARY HYDRAULIC CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8160406	1	CONTROLLER, (includes items 2 & 3)	AB
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	7125871	AR	CONDUIT, .5X8	
12	8024023	1	AUXILIARY HYDRAULICS CONTROL CABLE ASSY, (includes 13 thru 15)	
13	8160078	1	CONTROL CABLE	
14	8302470	1	HAIR PIN	
15	8301443	1	CLEVIS PIN	
16		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
17	4812300	3	FLAT WASHER, M16	

SECTION 8 - HYDRAULIC CIRCUITS

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. SERVICE BRAKE AND DE-CLUTCH (Prior to SN 0160038919, Excluding 0160033533)

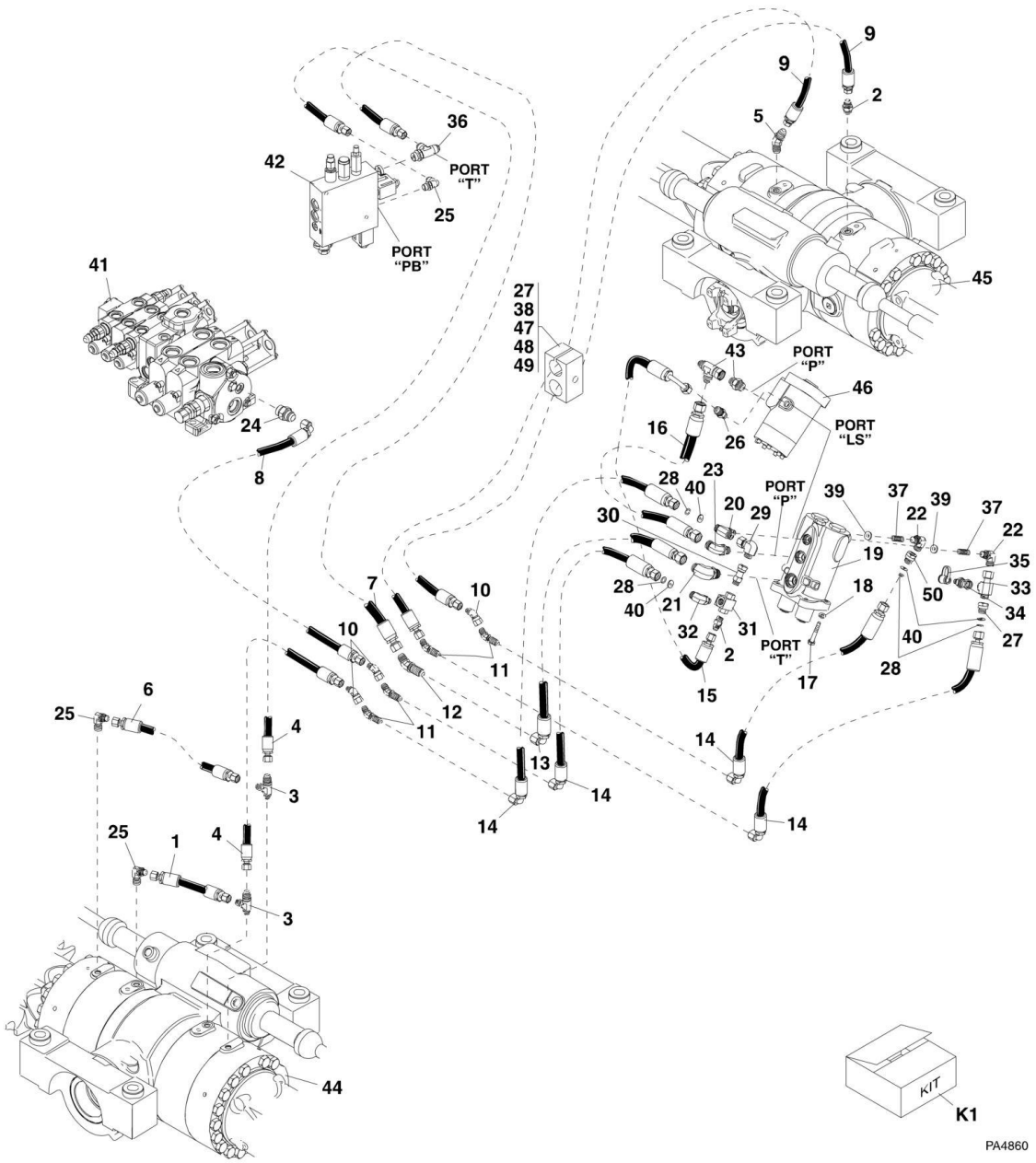


FIGURE 8-1. SERVICE BRAKE AND DE-CLUTCH (Prior to SN 0160038919, Excluding 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2716765	1	HOSE ASSY	
2	2220371	2	STRAIGHT CONNECTOR	
3	2220606	2	MALE RUN TEE	
4	2716763	2	HOSE ASSY	
5	8760312	1	ELBOW, 45	
6	2716761	1	HOSE ASSY	
7	2716770	1	HOSE ASSY **(SN 17019 through 19897, SN 0160002408 through 0160018885)**	
7	2754737	1	HOSE ASSY **(SN 0160018886 to Present)**	
8	2716762	1	HOSE ASSY	
9	2716766	2	HOSE ASSY	
10	2220657	3	ELBOW, 45, (swivel nut)	
11	8770189	4	BULKHEAD ELBOW, 45	
12	8760237	1	ELBOW, 45, **(SN 14834 through 19988, SN 0160002345 through 0160018879)**	
12	2230035	1	BULKHEAD ELBOW, 45, **(SN 0160018880 to Present)**	
13	2716697	1	HOSE ASSY **(SN 17019 through 19897, SN 0160002408 through 0160018885)**	
13	2754736	1	HOSE ASSY **(SN 0160018886 to Present)**	
14	2716699	4	HOSE ASSY	
15	2716700	1	HOSE ASSY	
16	2716695	1	HOSE ASSY	
17	8303755	4	HEX HD CAPSCREW, M10X30MM	
18	8307023	4	LOCK WASHER, M10	
18	8902274	NLA	BRAKE VALVE ASSY, (includes items 19 thru 23), (no longer available, use 1001109404 for replacement)	D
18	1001109404	1	BRAKE VALVE ASSY, (includes items 19 thru 23)	B
19		Ref	BRAKE VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
20	8770183	1	BRANCH TEE, (includes o-ring)	
21	8770175	1	ELBOW, 90, (includes o-ring)	
22	8770109	2	ELBOW, 90, (includes o-ring)	
23	8770120	1	ELBOW, 90, (includes o-ring)	
24	2220371	1	STRAIGHT CONNECTOR	
25	2220473	3	ELBOW, 90	
26	2220630	1	STRAIGHT CONNECTOR	
27	8303264	1	HEX HD CAPSCREW, .438-14X1.50, GR8, (torque to 46-84 lb-ft)	
28	8630003	4	O-RING	
29	2172106	1	ELBOW, 90, (swivel nut)	
30	2221123	1	SWIVEL CONNECTOR	
31	8902175	1	SHUTTLE VALVE	
32	2130606	1	ELBOW, 90	
33	2170706	1	SWIVEL RUN TEE	
34	8430081	1	SWIVEL NIPPLE, 1/8 BODY	
35	8430032	1	DUST PLUG	
36	2220602	1	MALE RUN TEE	
37	Kit K1	2	CONICAL SPRING	
38	8769123	1	TWIN COVER PLATE	
39	Kit K1	2	ORIFICE	
40	7139212	4	ORIFICE DISK, .089 DIA	
41		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			SECTION for Breakdown)	
42		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
43		Ref	POWER STEERING CIRCUIT, (See POWER STEERING for Breakdown)	
44		Ref	FRONT AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
45		Ref	REAR AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
46		Ref	STEERING UNIT, (See POWER STEERING for Breakdown)	
47	8307004	1	LOCKWASHER, 5/16	
48	8750015	1	CLAMP SET	
49	8750017	1	LOCKING PLATE	
50	7139179	1	ORIFICE FITTING	
K1	8036385	1	BRAKE VALVE SEAL KIT, (includes qty 1 of item 37 qty 1 of item 39)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-2. SERVICE BRAKE AND DE-CLUTCH (SN 0160038919 to Present, Including 0160033533)

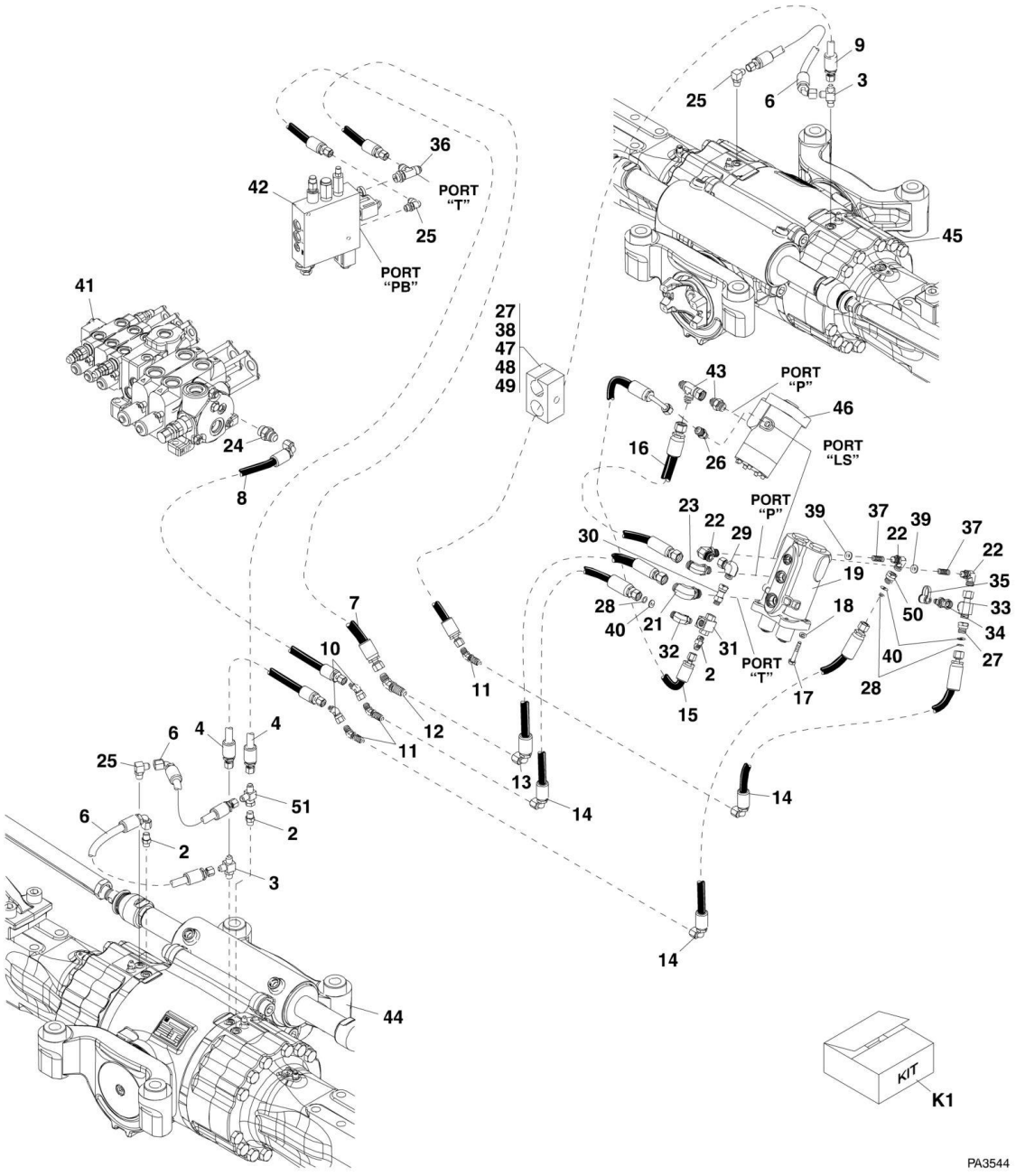


FIGURE 8-2. SERVICE BRAKE AND DE-CLUTCH (SN 0160038919 to Present, Including 0160033533)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
2	2220371	3	STRAIGHT CONNECTOR	
3	2220606	2	MALE RUN TEE	
4	2716763	2	HOSE ASSY	
6	2716670	3	HOSE ASSY	
7	2754737	1	HOSE ASSY	
8	2716762	1	HOSE ASSY	
9	2716766	1	HOSE ASSY	
10	2220657	2	ELBOW, 45, (swivel nut)	
11	8770189	4	BULKHEAD ELBOW, 45	
12	2230035	1	BULKHEAD ELBOW, 45	
13	2754736	1	HOSE ASSY	
14	2716699	3	HOSE ASSY	
15	2716700	1	HOSE ASSY	
16	2716695	1	HOSE ASSY	
17	8303755	4	HEX HD CAPSCREW, M10X30MM	
18	8307023	4	LOCK WASHER, M10	
18	1001109404	1	BRAKE VALVE ASSY, (includes items 19 thru 23)	B
19		Ref	BRAKE VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
20	8770183	1	BRANCH TEE, (includes o-ring)	
21	8770175	1	ELBOW, 90, (includes o-ring)	
22	8770109	2	ELBOW, 90, (includes o-ring)	
23	8770120	1	ELBOW, 90, (includes o-ring)	
24	2220371	1	STRAIGHT CONNECTOR	
25	2220473	3	ELBOW, 90	
26	2220603	1	STRAIGHT CONNECTOR	
27	8303264	1	HEX HD CAPSCREW, .438-14X1-1/2, GR8	
28	8630003	3	O-RING	
29	2172106	1	ELBOW, 90, (swivel nut)	
30	2221123	1	SWIVEL CONNECTOR	
31	8902175	1	SHUTTLE VALVE	
32	2130606	1	ELBOW, 90	
33	2170706	1	SWIVEL RUN TEE	
34	8430081	1	SWIVEL NIPPLE, 1/8 BODY	
35	8430032	1	DUST PLUG	
36	2220602	1	MALE RUN TEE	
37	Kit K1	2	CONICAL SPRING	
38	8769123	1	TWIN COVER PLATE	
39	Kit K1	2	ORIFICE	
40	7139212	3	ORIFICE DISK, .089 DIA	
41		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
42		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
43		Ref	POWER STEERING CIRCUIT, (See POWER STEERING for Breakdown)	
44		Ref	FRONT AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
45		Ref	REAR AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
46		Ref	STEERING UNIT, (See POWER STEERING for Breakdown)	
47	8307004	1	LOCKWASHER, 5/16	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	8750015	1	CLAMP SET	
49	8750017	1	LOCKING PLATE	
50	7139179	1	ORIFICE FITTING	
51	2220635	1	FITTING, TEE	
K1	8036385	1	BRAKE VALVE SEAL KIT, (includes qty 1 of item 37 and qty 1 of item 39)	

FIGURE 8-3. BOOM LIFT/LOWER AND EXTEND/RETRACT

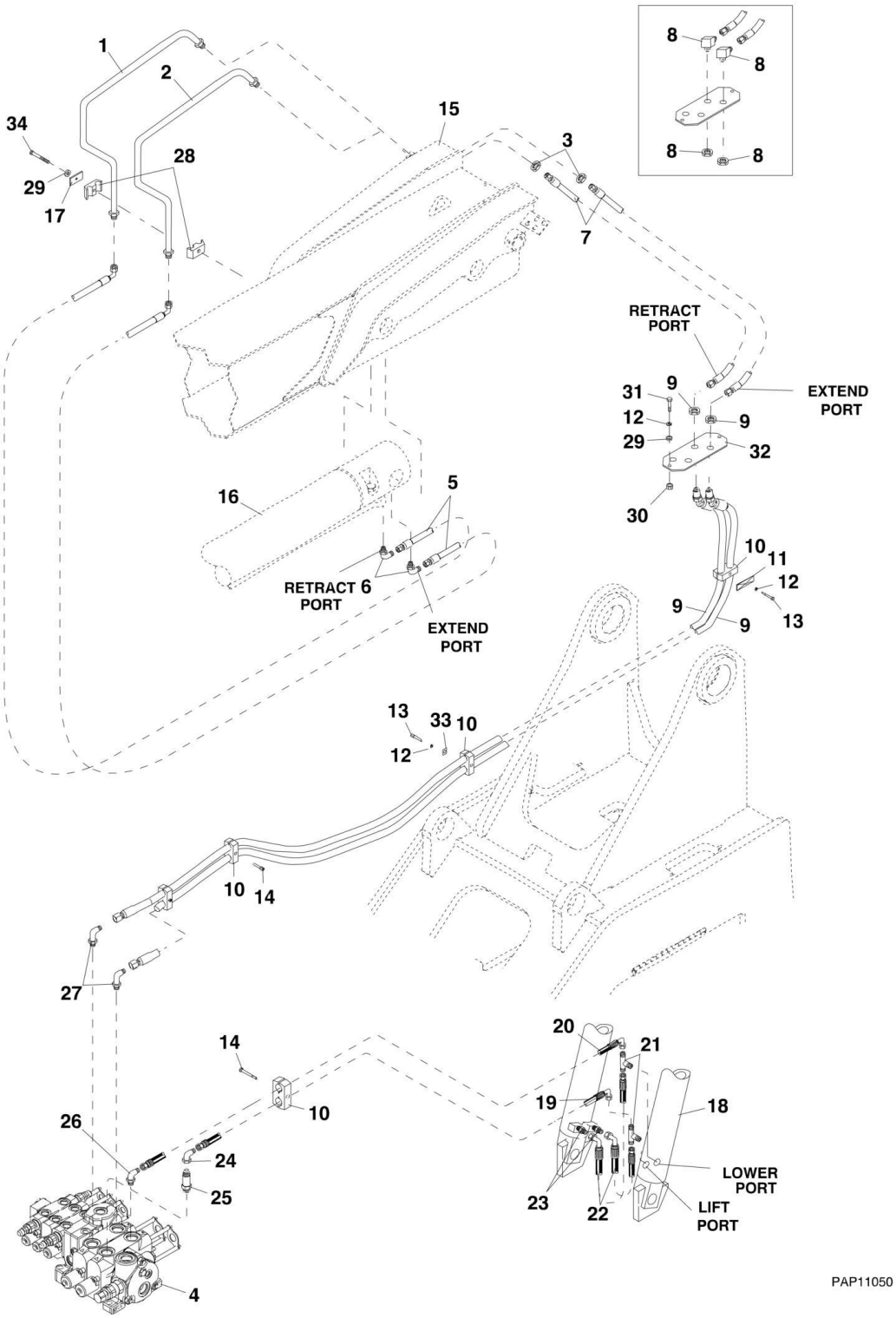


FIGURE 8-3. BOOM LIFT/LOWER AND EXTEND/RETRACT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7300671	1	BOOM EXTEND CYLINDER TUBE	
2	7300670	1	BOOM EXTEND CYLINDER TUBE	
3	8760468	2	BULKHEAD LOCKNUT	
4		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
5	2717018	2	HOSE ASSY	
6	2220578	2	ELBOW, 90	
7	2755060	2	HOSE ASSY	
8	2230046	2	BULKHEAD ELBOW, 90, **(SN 17019 through 19897, SN 0160002408 through 0160012301)**	
9	2716778	2	HOSE ASSY **(SN 17019 through 19897, SN 0160002408 through 0160012301)**	
9	2755059	2	HOSE ASSY **(SN 0160012302 through 0160039074)**	
9	1001114202	2	HOSE ASSY **(SN 0160039075 to Present)**	
10	8750040	5	TWIN CLAMP SET, 1.18 DIA	
11	8750025	2	TWIN COVER PLATE	
12	8307004	3	LOCKWASHER, 5/16	
13	8303757	2	HEX HD CAPSCREW, 5/16-18X2.50	
14	8750026	3	STACKING BOLT, (torque to 11.6-21 lb-ft)	
15		Ref	FIRST BOOM SECTION, (See BOOM SECTION for Breakdown)	
16		Ref	EXTEND/RETRACT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
17	8769128	1	TWIN COVER PLATE	
18		Ref	LIFT/LOWER CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
19	2716784	1	HOSE ASSY	
20	2716785	1	HOSE ASSY	
21	2220695	2	MALE BRANCH TEE	
22	2716675	2	HOSE ASSY	
23	2220375	2	STRAIGHT CONNECTOR	
24	2220655	1	ELBOW, 90, (swivel nut)	
25	2220451	1	STRAIGHT CONNECTOR	
26	2220578	1	ELBOW, 90	
27	8770157	2	ELBOW, 90	
28	8769139	1	CLAMP SET, .750 DIA TWIN	
29	8307106	9	FLAT WASHER, .34X.69X.065	
30	8305006	4	HEX NUT, 5/16-18	
31	8310009	2	HEX HD CAPSCREW, 5/16-18X2.0	
32		Ref	RH BULKHEAD PLATE, (See ATTACHMENT TILT AND SLAVE for Breakdown)	
33	8750017	1	TWIN CLAMP LOCKING PLATE **(SN 17019 through 19897, SN 0160002408 through 0160033307)**	
33	8750025	1	TWIN COVER PLATE **(SN 0160033308 to Present)**	
34	8310009	1	HEX HD CAPSCREW, 5/16-18X2.0 **(SN 17019 through 19897, SN 0160002408 through 0160013566)**	
34	8303746	1	HEX HD CAPSCREW, 5/16-18X1-3/4 **(SN 0160013567 to Present)**	

FIGURE 8-4. ATTACHMENT TILT AND SLAVE (SN 17019 through 18832)

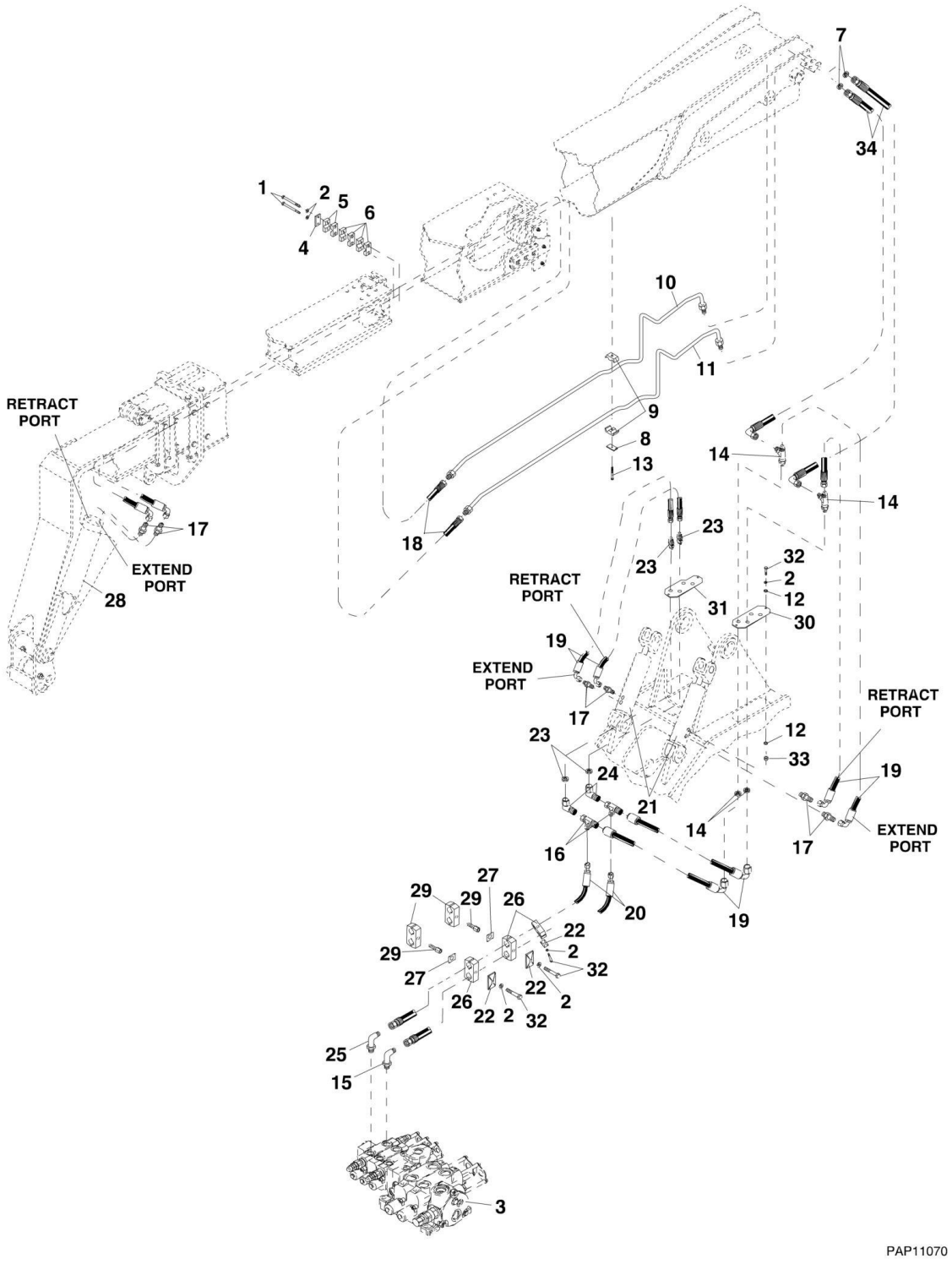


FIGURE 8-4. ATTACHMENT TILT AND SLAVE (SN 17019 through 18832)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8303752	4	HEX HD CAPSCREW, 5/16-18X3-1/2, GR5	
2	8307004	9	LOCKWASHER, 5/16	
3		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
4	8769149	1	COVER PLATE	
5	8769161	2	HALF CLAMP, 3/4 DIA	
6	8750003	4	HALF CLAMP, 5/8 DIA	
7	8760465	2	BULKHEAD NUT, 10FF	
8	8769123	3	TWIN COVER PLATE	
9	8769122	3	TWIN CLAMP, .62 DIA	
10	7300672	1	BOOM ATTACHMENT TILT TUBE, (retract)	
11	7300673	1	BOOM ATTACHMENT TILT TUBE, (extend)	
12	8307106	8	FLAT WASHER, .34X.69X.065	
13	8303739	3	HEX HD CAPSCREW, 5/16-18X1.25	
14	8760477	2	BULKHEAD MALE RUN TEE	
15	2220596	1	ELBOW, 90	
16	2220385	2	FEMALE SWIVEL RUN TEE	
17	8760117	6	STRAIGHT CONNECTOR	
18	2713452	2	BOOM HOSE ASSY	
19	2716684	6	HOSE ASSY	
20	2716767	2	HOSE ASSY	
21		Ref	SLAVE CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
22	8769128	3	TWIN COVER PLATE	
23	8760045	2	BULKHEAD STRAIGHT UNION	
24	8765204	2	ELBOW, 90, (swivel nut)	
25	2220474	1	ELBOW, 90	
26	8750016	3	TWIN CLAMP SET, 1.18 DIA	
27	8750017	2	LOCK FOR TWIN CLAMP PLATE	
28		Ref	ATTACHMENT TILT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
29		Ref	CLAMP AND HARDWARE, (see BOOM LIFT/LOWER AND EXTEND/RETRACT for Breakdown)	
30	7139504	1	L.H. BULKHEAD PLATE	
31	7139505	1	R.H. BULKHEAD PLATE	
32	8310009	7	HEX HD CAPSCREW, 5/16-18X2.00	
33	8305006	4	HEX NUT, 5/16-18	
34	2716714	2	HOSE ASSY	

FIGURE 8-5. ATTACHMENT TILT AND SLAVE (SN 0160002408 to Present, SN 18833 through 19897)

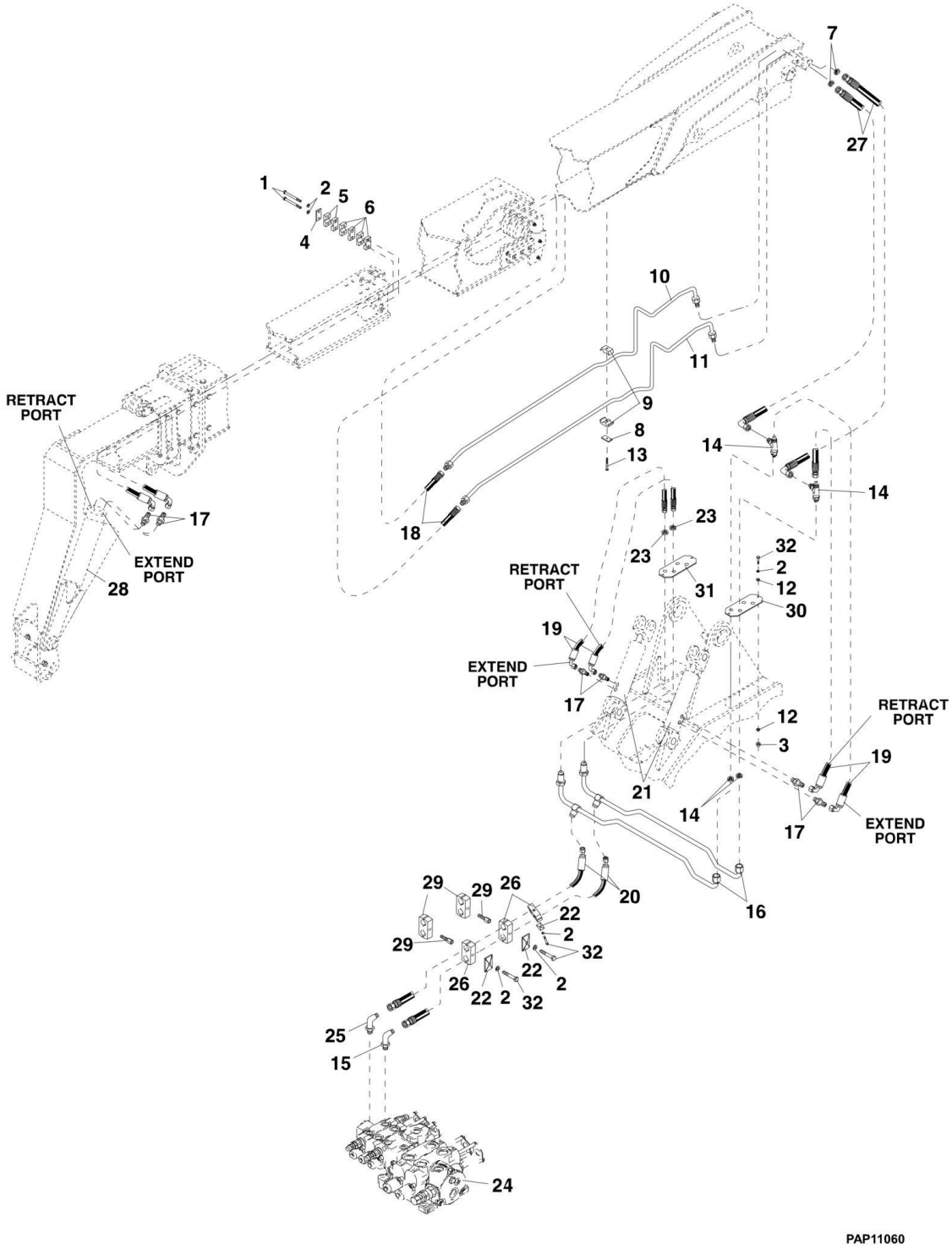


FIGURE 8-5. ATTACHMENT TILT AND SLAVE (SN 0160002408 to Present, SN 18833 through 19897)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8303752	4	HEX HD CAPSCREW, 5/16-18X3-1/2, GR5	
2	8307004	9	LOCKWASHER, 5/16	
3	8305006	4	HEX NUT, 5/16-18	
4	8769149	1	COVER PLATE	
5	8769161	2	HALF CLAMP, 3/4 DIA	
6	8750003	4	HALF CLAMP, 5/8 DIA	
7	8760465	2	BULKHEAD NUT, 10FF	
8	8769123	3	TWIN COVER PLATE	
9	8769122	3	TWIN CLAMP, .62 DIA	
10	7300672	1	BOOM ATTACHMENT TILT TUBE, (retract)	
11	7300673	1	BOOM ATTACHMENT TILT TUBE, (extend)	
12	8307203	8	PLAIN WASHER, .312	
13	8303715	3	HEX HD CAPSCREW, 5/16-18X1.25	
14	8760477	2	BULKHEAD MALE RUN TEE	
15	2220596	1	ELBOW, 90	
16	7300214	2	TUBE ASSY	
17	2220373	6	STRAIGHT CONNECTOR	
18	2713452	2	BOOM HOSE ASSY	
19	2716684	4	HOSE ASSY	
20	2716767	2	HOSE ASSY	
21		Ref	SLAVE CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
22	8769128	3	TWIN COVER PLATE	
23	8760463	2	BULKHEAD LOCKNUT	
24		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25	2220474	1	ELBOW, 90	
26	8750027	3	TWIN CLAMP SET, .84IN DIA	
27	2716714	2	HOSE ASSY	
28		Ref	ATTACHMENT TILT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
29		Ref	CLAMP AND HARDWARE, (See BOOM LIFT/LOWER AND EXTEND/RETRACT for Breakdown)	
30	7139504	1	L.H. BULKHEAD PLATE	
31	7139505	1	R.H. BULKHEAD PLATE	
32	8310009	7	HEX HD CAPSCREW, 5/16-18X2.00	

FIGURE 8-6. FRAME SWAY

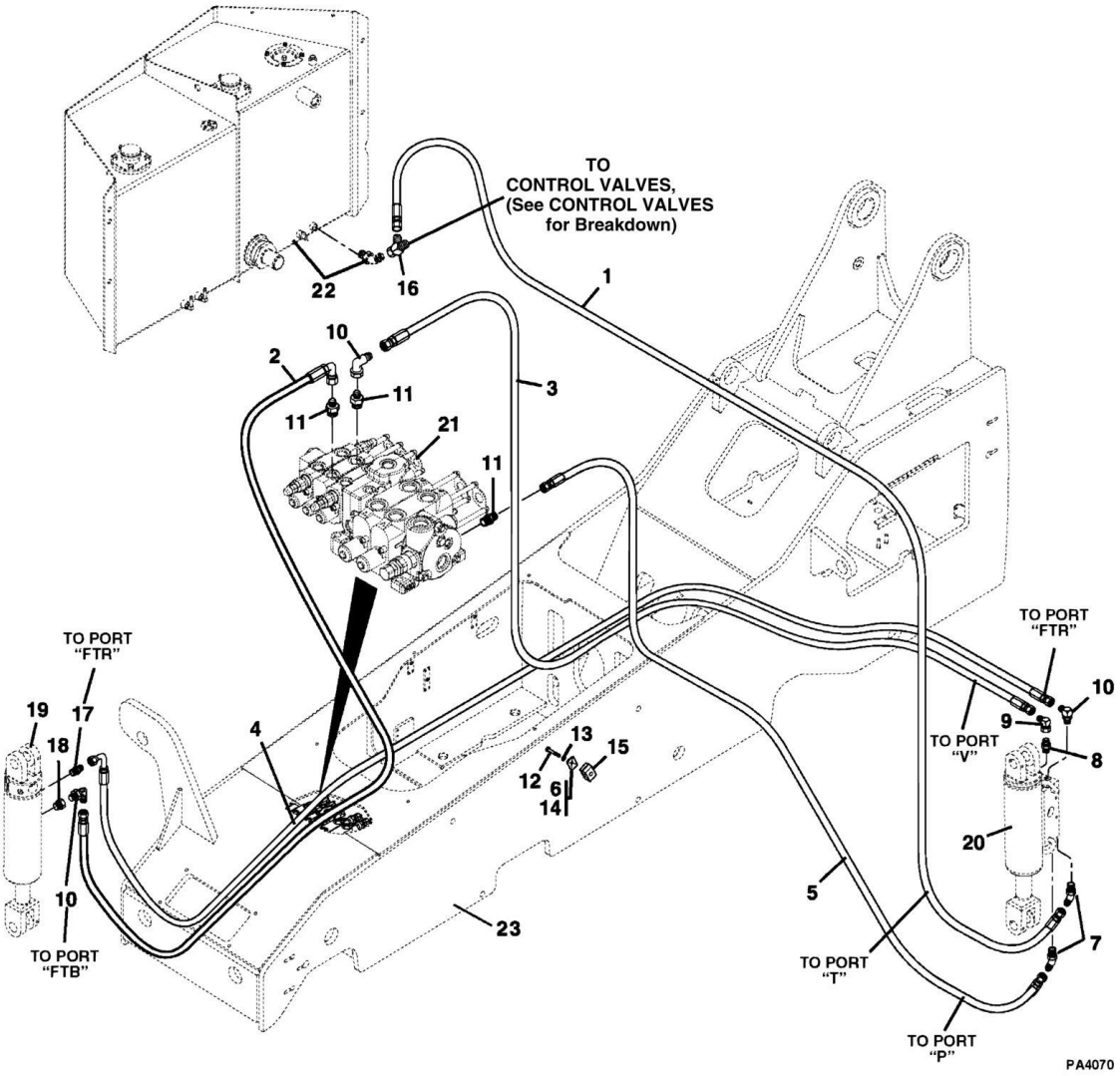


FIGURE 8-6. FRAME SWAY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2717022	1	HOSE ASSY	
2	2716764	1	HOSE ASSY	
3	2717020	1	HOSE ASSY	
4	2717019	1	HOSE ASSY	
5	2717021	1	HOSE ASSY	
6	8750017	1	LOCKING PLATE	
7	2220501	2	ELBOW, 45	
8	2220371	1	STRAIGHT CONNECTOR	
9	2220473	1	ELBOW, 90	
10	8760268	3	ELBOW, 90, (swivel nut)	
11	2220372	3	STRAIGHT CONNECTOR	
12	8303264	1	HEX HD CAPSCREW, .438-14X1.50, GR8	
13	8307004	1	LOCKWASHER, 5/16	
14	8769128	1	TWIN COVER PLATE	
15	8750027	1	TWIN CLAMP SET, .84IN DIA	
16		Ref	FEMALE SWIVEL RUN TEE, (See CONTROL VALVES for Breakdown)	
17	8902857	1	CONNECTOR SPECIAL WITH CHECK VALVE	
18	8902858	1	CONNECTOR SPECIAL WITH CHECK VALVE, (1 black wrench face)	
19		Ref	FRAME SWAY CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
20		Ref	STABILIZER CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
21		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
22		Ref	FUEL AND HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
23		Ref	FRAME WELDMENT, (See FRAME AND ATTACHING PARTS SECTION for Breakdown)	

FIGURE 8-7. POWER STEERING

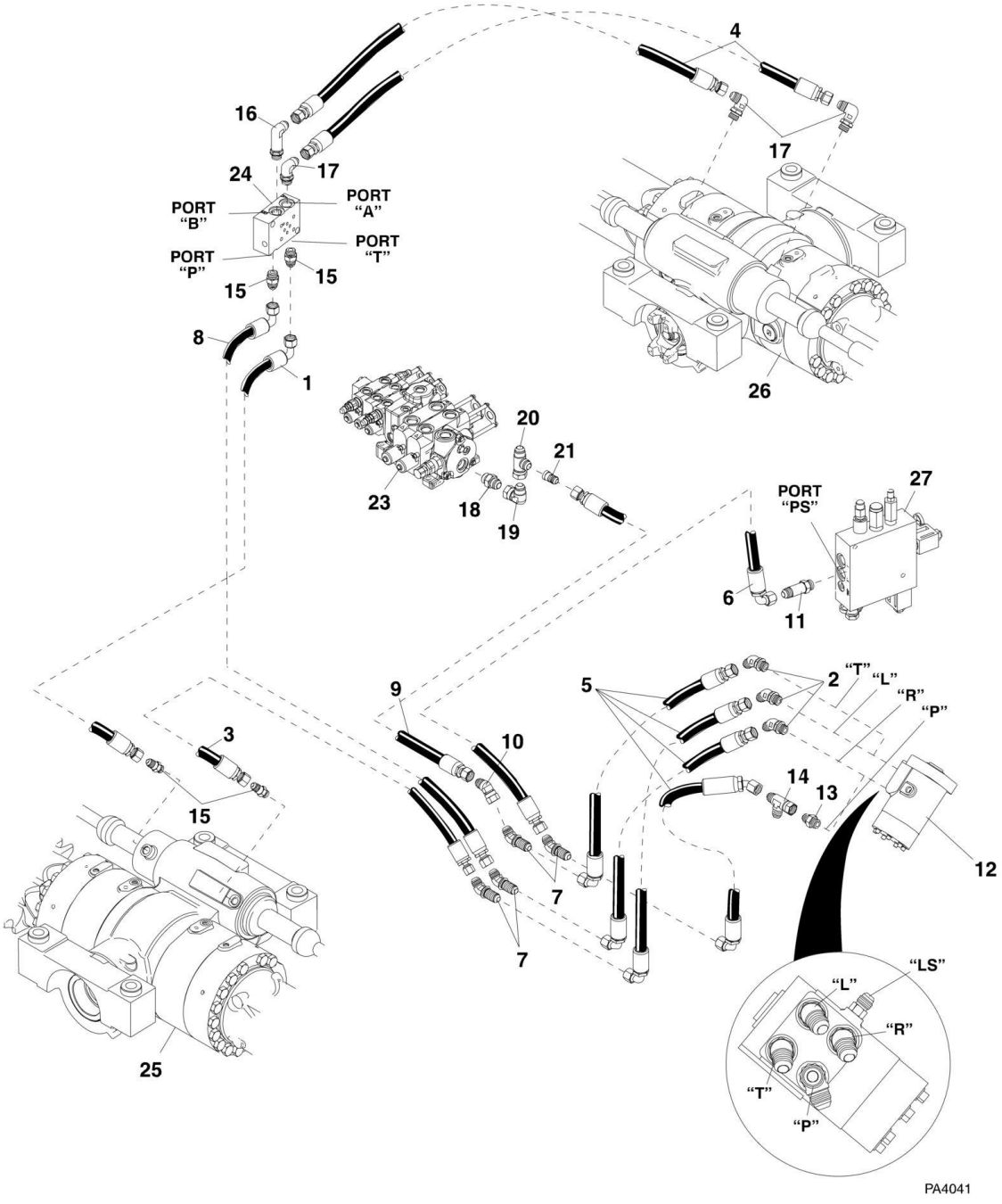


FIGURE 8-7. POWER STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2716776	1	HOSE ASSY	
2	2220500	3	ELBOW, 45	
3	2716775	1	HOSE ASSY	
4	2716673	2	HOSE ASSY	
5	2716696	4	HOSE ASSY	
6	2716769	1	HOSE ASSY	
7	8760237	4	BULKHEAD ELBOW, 45	
8	2716773	1	HOSE ASSY	
9	2716772	1	HOSE ASSY	
10	2220683	1	ELBOW, 45, (swivel nut)	
11	2220381	1	CONNECTOR	
12	8721029	1	STEERING UNIT	
13	8760140	1	MALE CONNECTOR	
14	2220385	1	FEMALE SWIVEL RUN TEE	
15	2220373	4	STRAIGHT CONNECTOR	
16	2220474	1	ELBOW, 90	
17	2220596	3	ELBOW, 90	
18	8770173	1	CONNECTOR	
19	2220655	1	ELBOW, 90, (swivel nut)	
20	2220700	1	FEMALE SWIVEL RUN TEE	
21	2220622	1	TUBE END REDUCER	
23		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
24		Ref	STEER SELECT VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25		Ref	FRONT AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
26		Ref	REAR AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
27		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

FIGURE 8-8. CONTROL VALVES

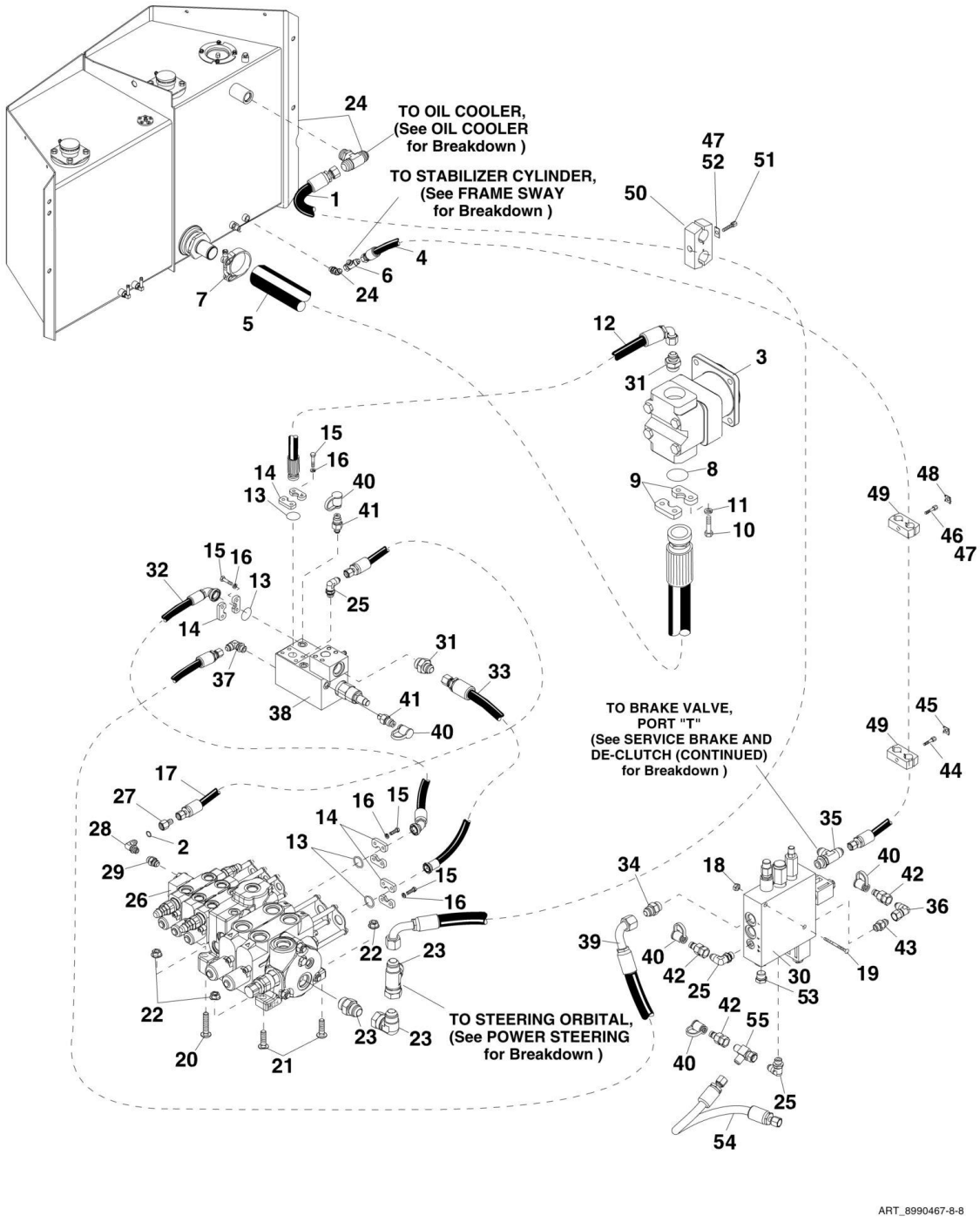


FIGURE 8-8. CONTROL VALVES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2716783	1	HOSE ASSY	
2	8630003	1	O-RING	
3		Ref	GEAR PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
4	2716774	1	HOSE ASSY	
5	2716808	1	HOSE ASSY	
6	2220385	1	FEMALE SWIVEL RUN TEE	
7	8405209	1	HOSE CLAMP	
8	8640208	1	O-RING	
9	10717672	2	FLANGE HALF	
10	8303626	4	HEX HD CAPSCREW, 1/2-13X1.5, (torque to 80-90 lb-ft)	
11	8307007	4	LOCKWASHER, 1/2	
12	2716780	1	HOSE ASSY	
13	8640123	4	O-RING	
14	8530030	8	FLANGE HALF	
15	8303675	16	HEX HD CAPSCREW, 3/8-16X1.25, GR5, (torque to 33-37 lb-ft)	
16	8307005	16	LOCKWASHER, 3/8	
17	2717033	1	HOSE ASSY	
18	8310420	2	HEX FLANGE NUT, 5/16-18	
19	8310393	2	CARRIAGE BOLT, 5/16-18X2.75, GR2, (torque to 18.5-21 lb-ft)	
20	8310337	1	CARRIAGE BOLT, 1/2-13X2.5, (torque to 33-59 lb-ft)	
21	8310524	2	CARRIAGE BOLT, 1/2-13X1.75, (torque to 33-59 lb-ft)	
22	8310523	3	HEX FLANGE NUT, 1/2-13	
23		Ref	MAIN CONTROL VALVE HARDWARE, (See POWER STEERING for Breakdown)	
24		Ref	HYDRAULIC RESERVOIR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25	2220473	3	ELBOW, 90	
26		Ref	MAIN CONTROL VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
27	7139993	1	RESTRICTOR CHECK VALVE	
28	2172106	1	ELBOW, 90, (swivel nut)	
29	2110606	1	STRAIGHT CONNECTOR	
30		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
31	2220435	2	STRAIGHT CONNECTOR	
32	2716781	1	HOSE ASSY	
33	2716807	1	HOSE ASSY	
34	2220373	1	STRAIGHT CONNECTOR	
35	2220602	1	MALE RUN TEE, (See SERVICE BRAKE AND DE-CLUTCH for Breakdown)	
36	8760268	1	ELBOW, 90, (swivel nut)	
37	2220596	1	ELBOW, 90	
38		Ref	UNLOADER VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
39	2716771	1	HOSE ASSY	
40	8430032	5	DUST PLUG	
41	8430033	2	DIAGNOSTIC NIPPLE	
42	8430046	3	DIAGNOSTIC NIPPLE	
43	2220371	1	STRAIGHT CONNECTOR	
44	8750012	1	STACKING BOLT, (torque to 7.5-13.5 lb-ft)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	8750017	1	TWIN CLAMP PLATE LOCKING	
46	8310009	1	HEX HD CAPSCREW, 5/16-18X2, (torque to 11.6-21 lb-ft)	
47	8307004	2	LOCKWASHER, 5/16	
48	8769128	1	TWIN COVER PLATE	
49	8750027	2	CLAMP, SET, .84 DIA TWIN	
50	8750040	1	CLAMP SET, 1.46 DIA	
51	8303757	1	HEX HD CAPSCREW, 5/16-18X2.5, (torque to 11.6-21 lb-ft)	
52	8750025	1	TWIN COVER PLATE	
53	2220238	1	PLUG	
54	2716761	1	HOSE ASSY	
55	2220635	1	FITTING, TEE	

FIGURE 8-9. AUXILIARY HYDRAULIC

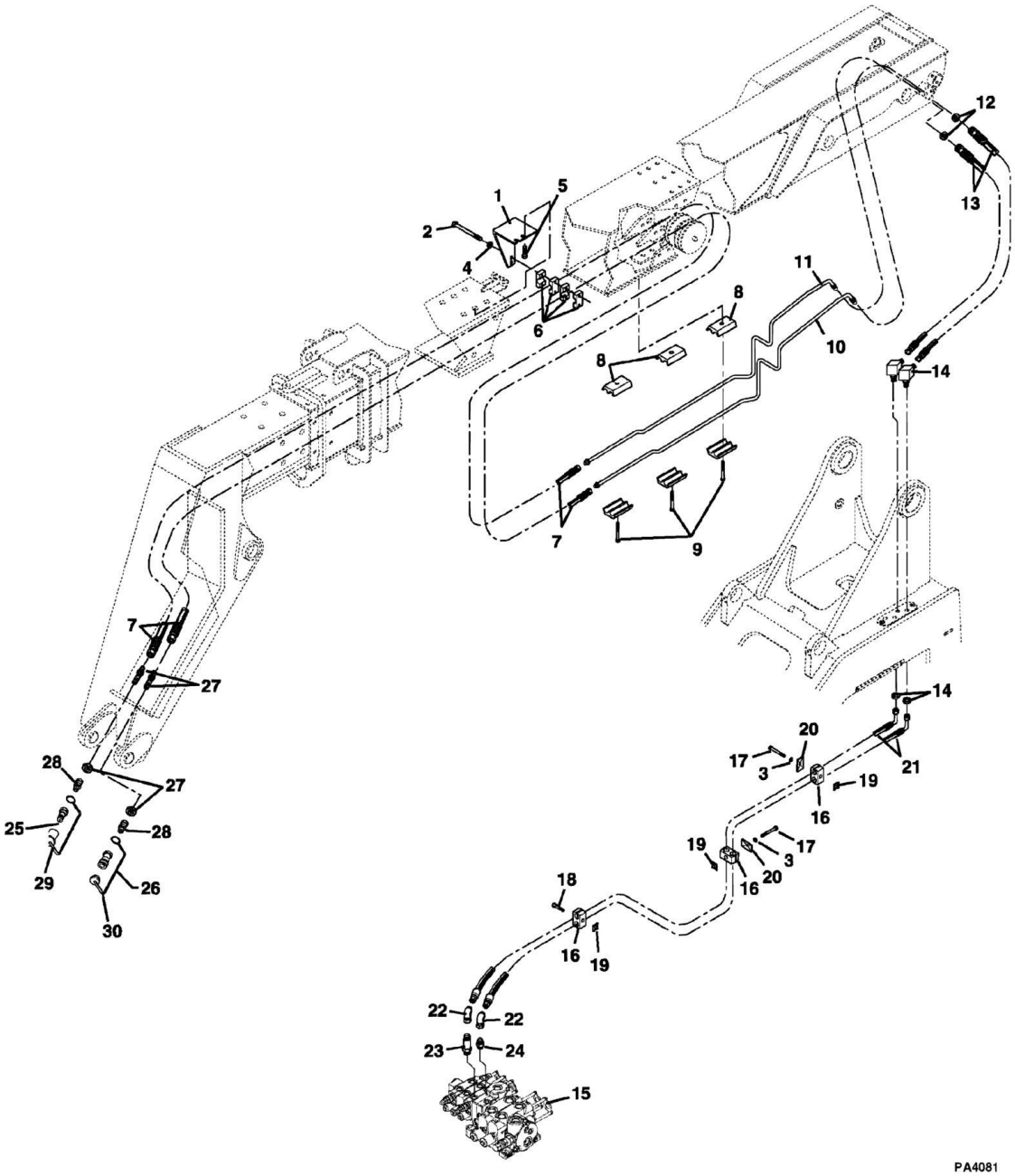


FIGURE 8-9. AUXILIARY HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7111402	1	AUXUILIARY HYDRAULIC SUPPORT HOSE CLAMP	
2	8310081	2	HEX HD CAPSCREW, 5/16-18X5	
3	8307004	8	LOCKWASHER, 5/16	
4	8307203	2	FLAT WASHER, 5/16	
5	8303622	2	HEX HD CAPSCREW, 3/8-16X2, GR5	
6	8769161	2	SINGLE CLAMP, .75 I.D.	
7	2713082	2	HOSE ASSY	
8	8769122	3	TWIN CLAMP, .62 I.D., (two halves)	
9	8750011	3	STACKING BOLT, .3125	
10	7300675	1	TUBE ASSY	
11	7300674	1	TUBE ASSY	
12	8760465	2	BULKHEAD NUT, 10FF	
13	2716713	2	HOSE ASSY	
14	2230044	2	BULKHEAD ELBOW, 90	
15		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
16	8750027	3	TWIN CLAMP SET, .84 DIA	
17	8310009	2	HEX HD CAPSCREW, 5/16-18X2	
18	8750012	1	STACKING BOLT	
19	8750017	3	SAFETY LOCK SINGLE PLATE	
20	8769128	2	TWIN COVER PLATE	
21	2716768	2	HOSE ASSY	
22	8765204	2	ELBOW, 90, (swivel nut)	
23	2220381	1	CONNECTOR	
24	2220373	1	STRAIGHT CONNECTOR	
25	91403414	1	MALE QUICK DISCONNECT	
26	91403413	1	FEMALE QUICK DISCONNECT	
27	2230025	2	BULKHEAD STRAIGHT UNION	
28	2220651	2	STRAIGHT CONNECTOR	
29	8420053	1	DUST PLUG, #8	
30	8420055	1	DUST CAP, #8	

FIGURE 8-10. TRANSMISSION COOLER (SN 17019 through 19897, SN 0160002408 through 0160004109)

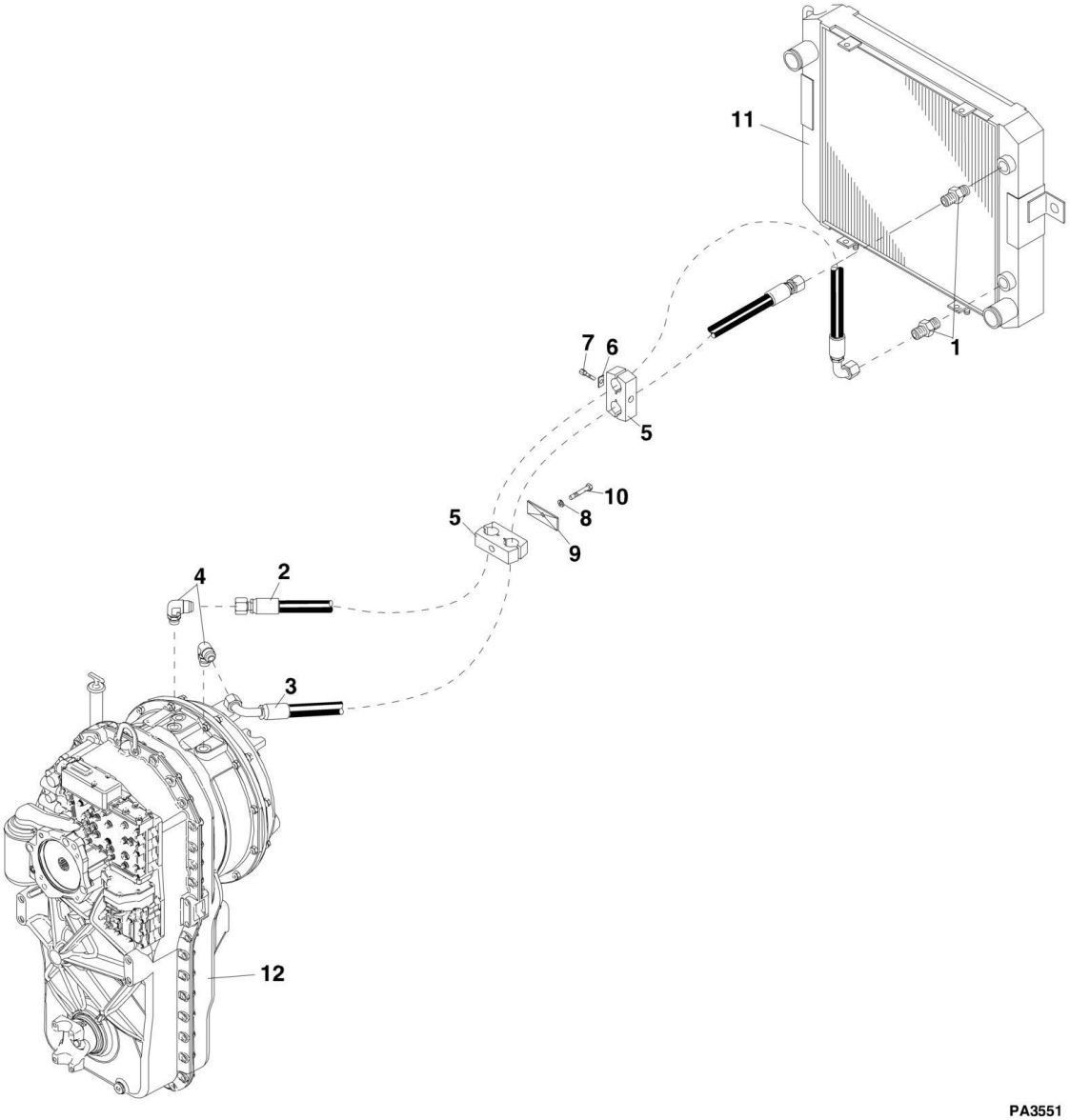


FIGURE 8-10. TRANSMISSION COOLER (SN 17019 through 19897, SN 0160002408 through 0160004109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2220451	2	STRAIGHT CONNECTOR	
2	2716622	1	HOSE ASSY	
3	2716621	1	HOSE ASSY	
4	8760328	2	ELBOW, 90	
5	8750024	2	TWIN CLAMP SET	
6	8750017	1	TWIN CLAMP LOCKING PLATE	
7	8750026	1	STACKING BOLT	
8	8307004	1	LOCKWASHER, 5/16	
9	8750025	1	TWIN COVER PLATE	
10	8303757	1	HEX HD CAPSCREW, 5/16-18X2.5	
11		Ref	OIL COOLER, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
12		Ref	TRANSMISSION, (See DRIVE TRAIN SECTION for Breakdown)	

FIGURE 8-11. TRANSMISSION COOLER (SN 0160004111 through 0160039074)

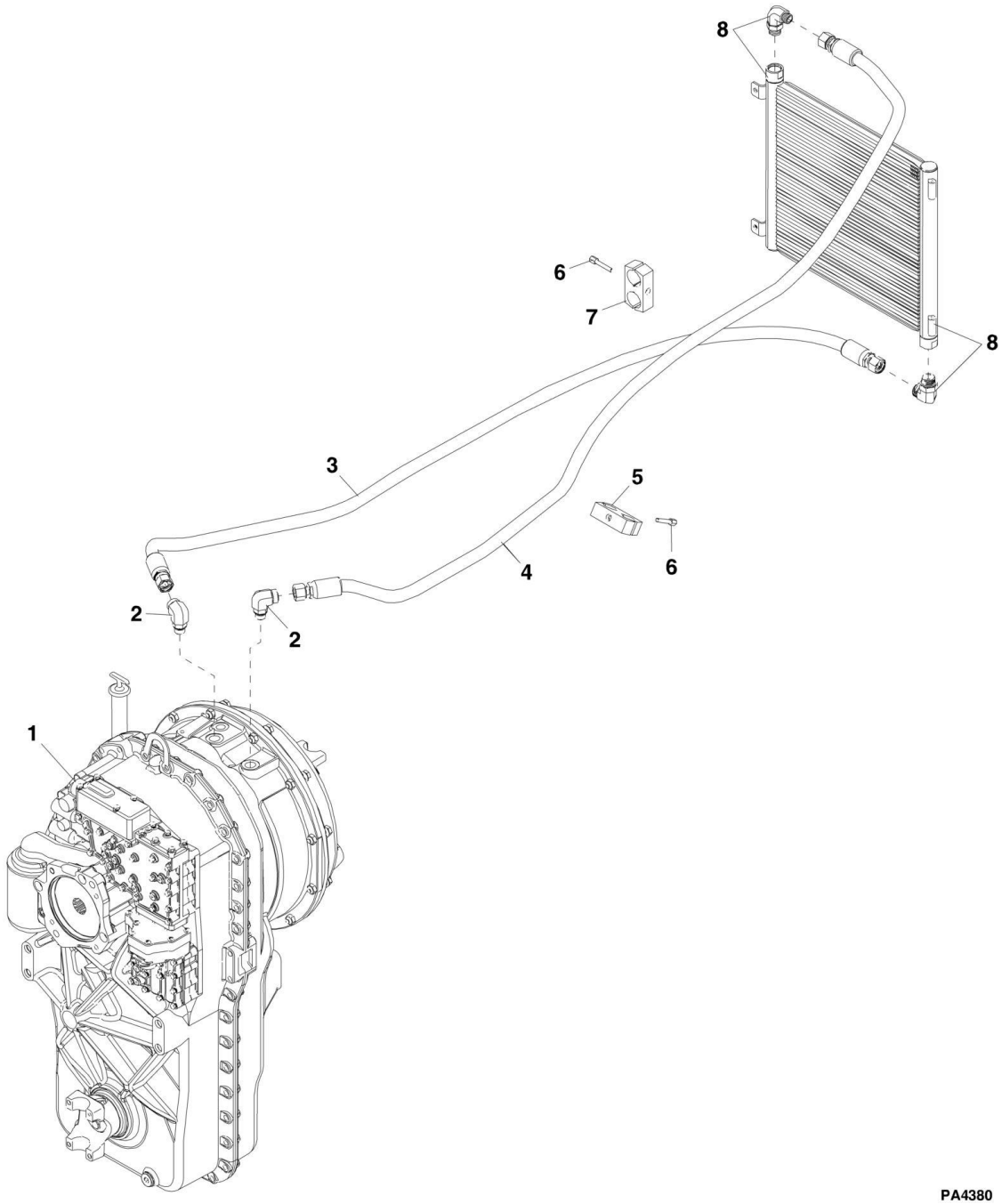


FIGURE 8-11. TRANSMISSION COOLER (SN 0160004111 through 0160039074)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	ZF TRANSMISSION, (See DRIVE TRAIN SECTION for Breakdown)	
2	2131210	2	ELBOW, 90	
3	2717150	1	HOSE ASSY	
4	2717149	1	HOSE ASSY	
5	8750024	1	CLAMP SET, 1.18 DIA **(SN 0160004111 through 0160032089)**	
5	8750040	1	CLAMP SET, 1.46 DIA **(SN 0160032090 to Present)**	
6	8750026	2	STACKING BOLT	
7	8750040	1	CLAMP SET, 1.46 DIA	
8		Ref	TRANSMISSION OIL COOLER, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	

FIGURE 8-12. TRANSMISSION COOLER (SN 0160039075 to Present)

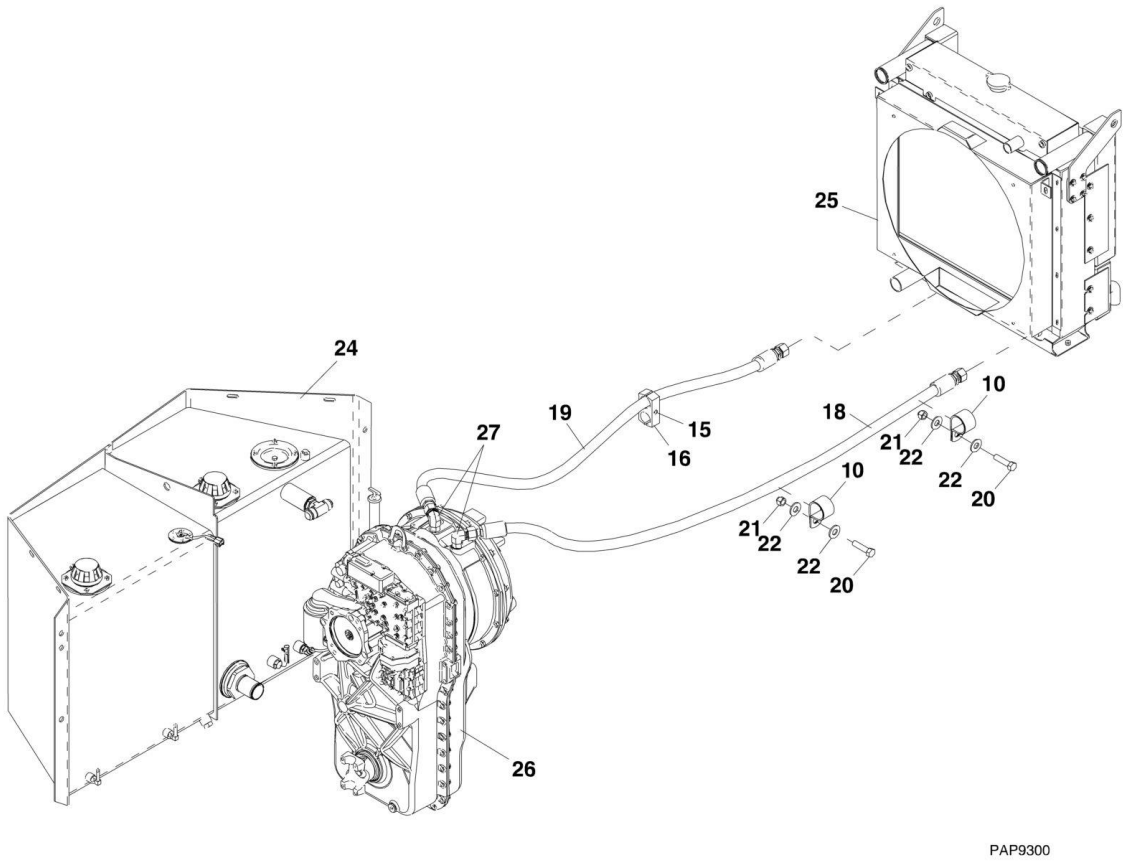


FIGURE 8-12. TRANSMISSION COOLER (SN 0160039075 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100220	1	TRANSMISSION COOLER, (includes items 10 thru 22)	D
10		Ref	CLAMP, (See HYDRAULIC CIRCUITS SECTION for Breakdown)	
15	8750026	1	STACK BOLT	
16	8750040	1	CLAMP SET	
18	1001100222	1	HOSE ASSY	
19	1001100223	1	HOSE ASSY	
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	
24		Ref	FUEL/HYDRAULIC TANK ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25		Ref	RADIATOR, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
26		Ref	ZF TRANSMISSION, (See DRIVE TRAIN SECTION for Breakdown)	
27	2131210	2	ELBOW, 90	

FIGURE 8-13. OIL COOLER (SN 17019 through 19897, SN 0160002408 through 0160004109)

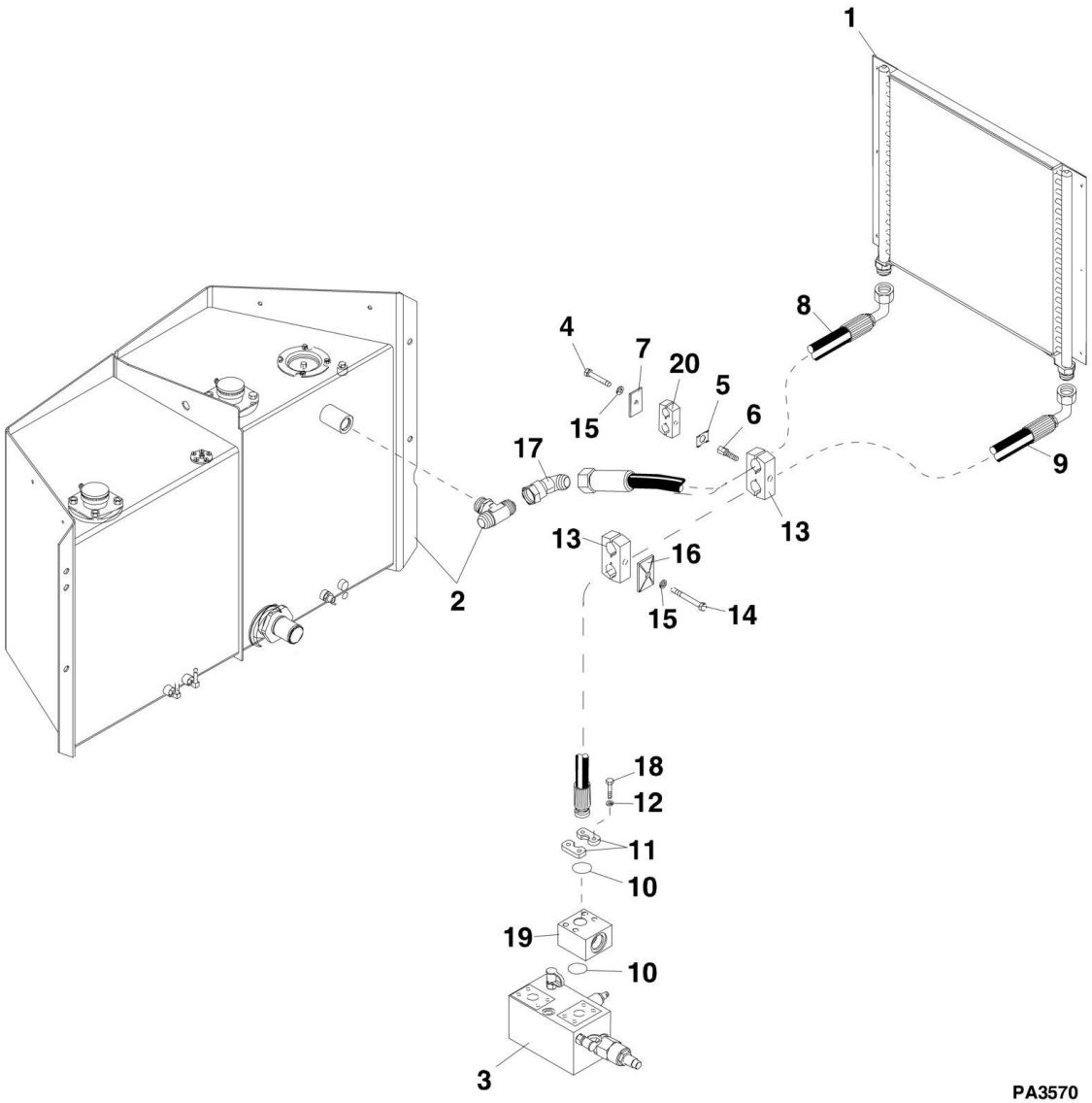


FIGURE 8-13. OIL COOLER (SN 17019 through 19897, SN 0160002408 through 0160004109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	OIL COOLER, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
2		Ref	HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3		Ref	UNLOADER VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
4	8303264	1	HEX HD CAPSCREW, .438-14X1.50, GR8	
5	8750017	1	LOCKING PLATE	
6	8750026	1	STACKING BOLT	
7	8769123	1	TWIN COVER PLATE	
8	2716786	1	HOSE ASSY	
9	2716779	1	HOSE ASSY	
10	8640123	2	O-RING	
11	8530030	2	FLANGE HALF, 16	
12	8307005	4	LOCKWASHER, 5/16	
13	8750040	2	TWIN CLAMP SET, 1.18 DIA	
14	8303757	1	HEX HD CAPSCREW, 5/16-18X2.5	
15	8307004	2	LOCKWASHER, 5/16	
16	8750025	1	TWIN COVER PLATE	
17	8760273	1	ELBOW, 45, (swivel nut)	
18	8303107	4	HEX HD CAPSCREW, 3/8-16X3.25, GR5	
19	7139788	1	BLOCK MANIFOLD	
20	8750015	1	TWIN CLAMP SET, .67 DIA	

FIGURE 8-14. OIL COOLER (SN 0160004111 through 0160039074)

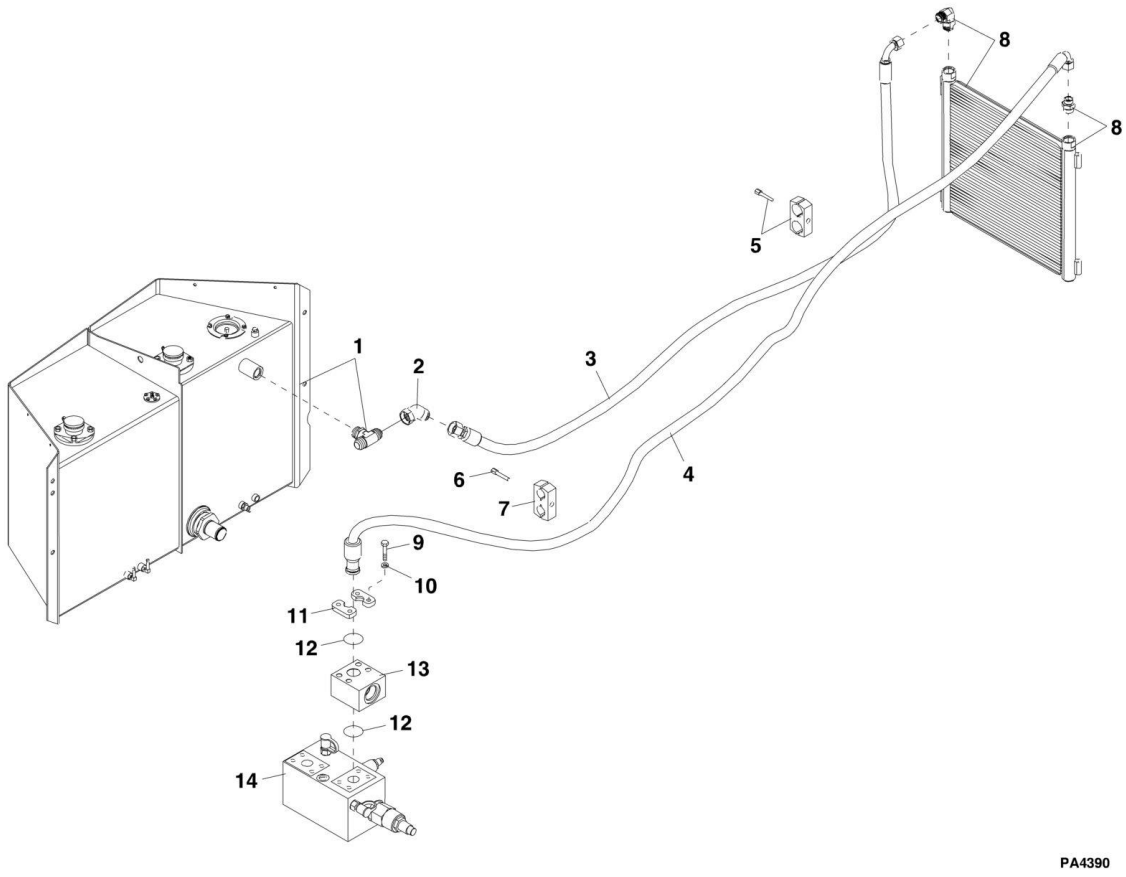


FIGURE 8-14. OIL COOLER (SN 0160004111 through 0160039074)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	FUEL/HYDRAULIC TANK ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	8760273	1	ELBOW, 45, (swivel nut)	
3	2717159	1	HOSE ASSY	
4	2717158	1	HOSE ASSY	
5		Ref	CLAMP AND HARDWARE, (See TRANSMISSION COOLER for Breakdown) **(SN 0160004111 to Present)**	
6	8750026	1	STACKING BOLT	
7	8750024	1	CLAMP SET, 1.18 DIA **(SN 0160004111 through 0160032089)**	
7	8750040	1	CLAMP SET, 1.46 DIA **(SN 0160032090 to Present)**	
8		Ref	OIL COOLER, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
9	8303107	4	HEX HD CAPSCREW, 3/8-16X3-1/4, GR5	
10	8307005	4	LOCKWASHER, 3/8	
11	8530030	2	FLANGE HALF	
12	8640123	2	O-RING	
13	7139788	1	BLOCK MANIFOLD	
14		Ref	UNLOADER VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

FIGURE 8-15. OIL COOLER (SN 0160039075 to Present)

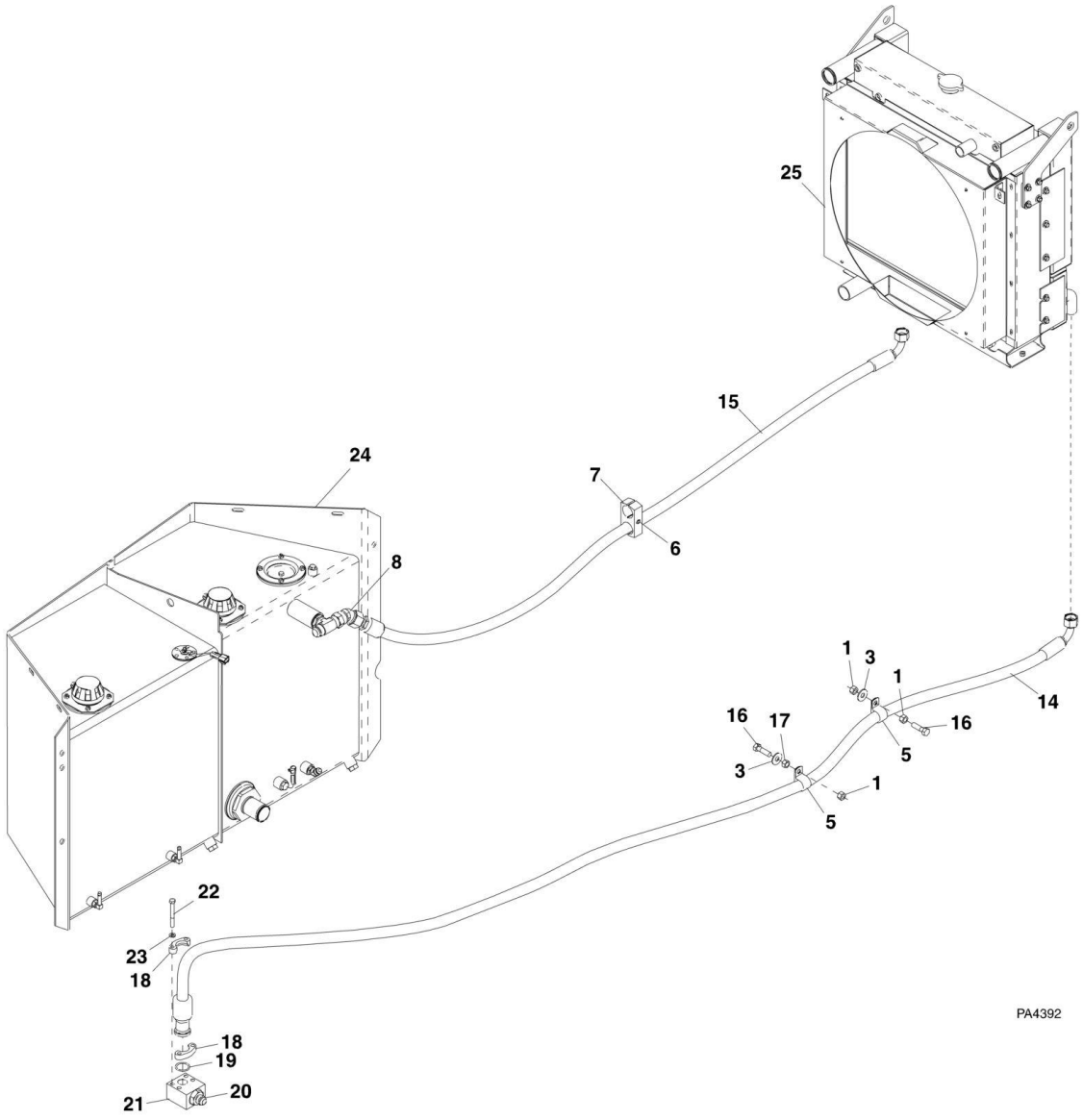


FIGURE 8-15. OIL COOLER (SN 0160039075 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099246	1	OIL COOLER, (includes items 1 thru 23)	C
1	3311805	3	LOCKNUT, 1/2-13	
3	4751800	2	WASHER, 1/2	
5	8406302	2	CLAMP	
8	8760273	1	ELBOW, 45	
14	1001100215	1	HOSE ASSY	
15	1001100216	1	HOSE ASSY	
16	0641814	2	HEX HD CAPSCREW, 1/2-13X1-3/4, GR5	
17	8310456	1	HEX NUT, 1/2-13	
18	8530030	2	FLANGE	
19	8640123	1	O-RING	
20	2220435	1	CONNECTOR	
21	7139788	1	MANIFOLD BLOCK	
22	8303107	4	HEX HD CAPSCREW, 3/8-16X3-1/4, GR5	
23	8307005	4	LOCKWASHER, 3/8	
24		Ref	FUEL/HYDRAULIC TANK ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
25		Ref	RADIATOR, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. BOOM EXTEND/RETRACT CYLINDER

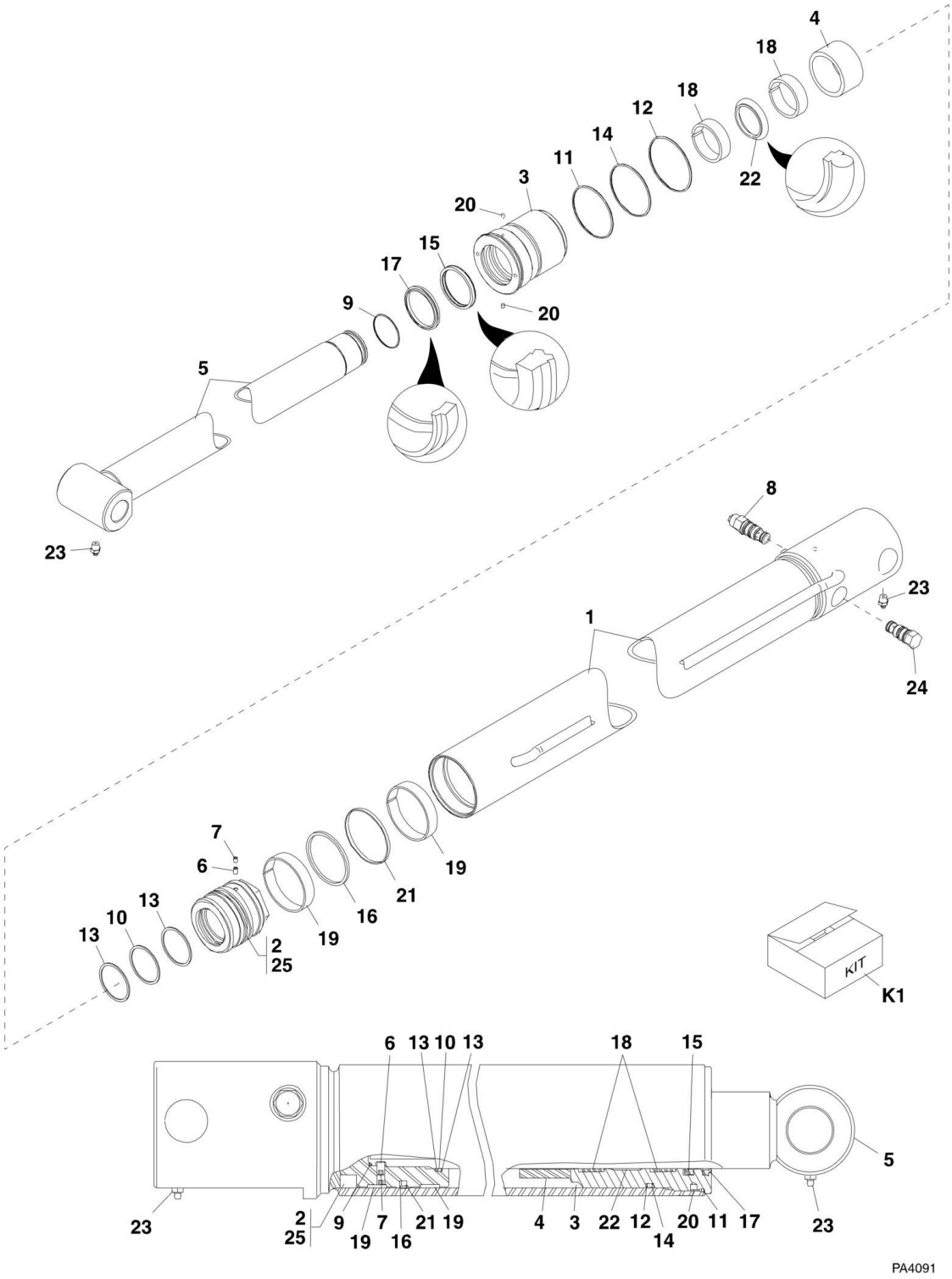


FIGURE 9-1. BOOM EXTEND/RETRACT CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717008	1	BOOM EXTEND/RETRACT CYLINDER, (includes items 1 thru 24)	F
1	70020369	1	CYLINDER TUBE	
2	8036402	1	PISTON, (torque to 330-390 lb-ft)	
3	8036403	1	HEAD GLAND, (torque to 300-400 lb-ft)	
4	8036498	1	ROD SPACER	
5	8036499	1	WELDMENT ROD	
6	8035536	1	SETSCREW, 5/16-18X.50, (Loctite 243 and torque to 10-26 lb-ft)	
7	8036406	1	SETSCREW, 5/16-18X.38, (Loctite 243 and torque to 10-12 lb-ft)	
8	8036590	1	COUNTERBALANCE VALVE - NON-ADJUSTABLE SET AT 4,000PSI, (torque to 40-50 lb-ft)	
8	8205656	1	SEAL KIT	
9	Kit K1	1	O-RING	
10	Kit K1	1	O-RING	
11	Kit K1	1	O-RING	
12	Kit K1	1	O-RING	
13	Kit K1	2	BACK-UP RING	
14	Kit K1	1	BACK-UP RING	
15	Kit K1	1	WIPER SEAL	
16	Kit K1	1	PISTON SEAL	
17	Kit K1	1	WIPER SEAL	
18	Kit K1	2	WEARBAND	
19	Kit K1	2	WEARBAND	
20	Kit K1	2	LOCKING INSERT	
21	Kit K1	1	SQUARE RING	
22	Kit K1	1	BUFFER SEAL	
23	8520013	2	STRAIGHT GREASE FITTING	
24	8036229	1	PO CHECK VALVE, (torque to 40-50 lb-ft)	
24	8205656	1	SEAL KIT	
25	0100019	AR	LOCTITE 271, (apply to item 2)	
K1	8036502	1	SEAL KIT, (includes items 9 thru 22)	

FIGURE 9-2. BOOM LIFT/LOWER CYLINDER (SN 17019 through 19897, SN 0160002408 through 0160003867)

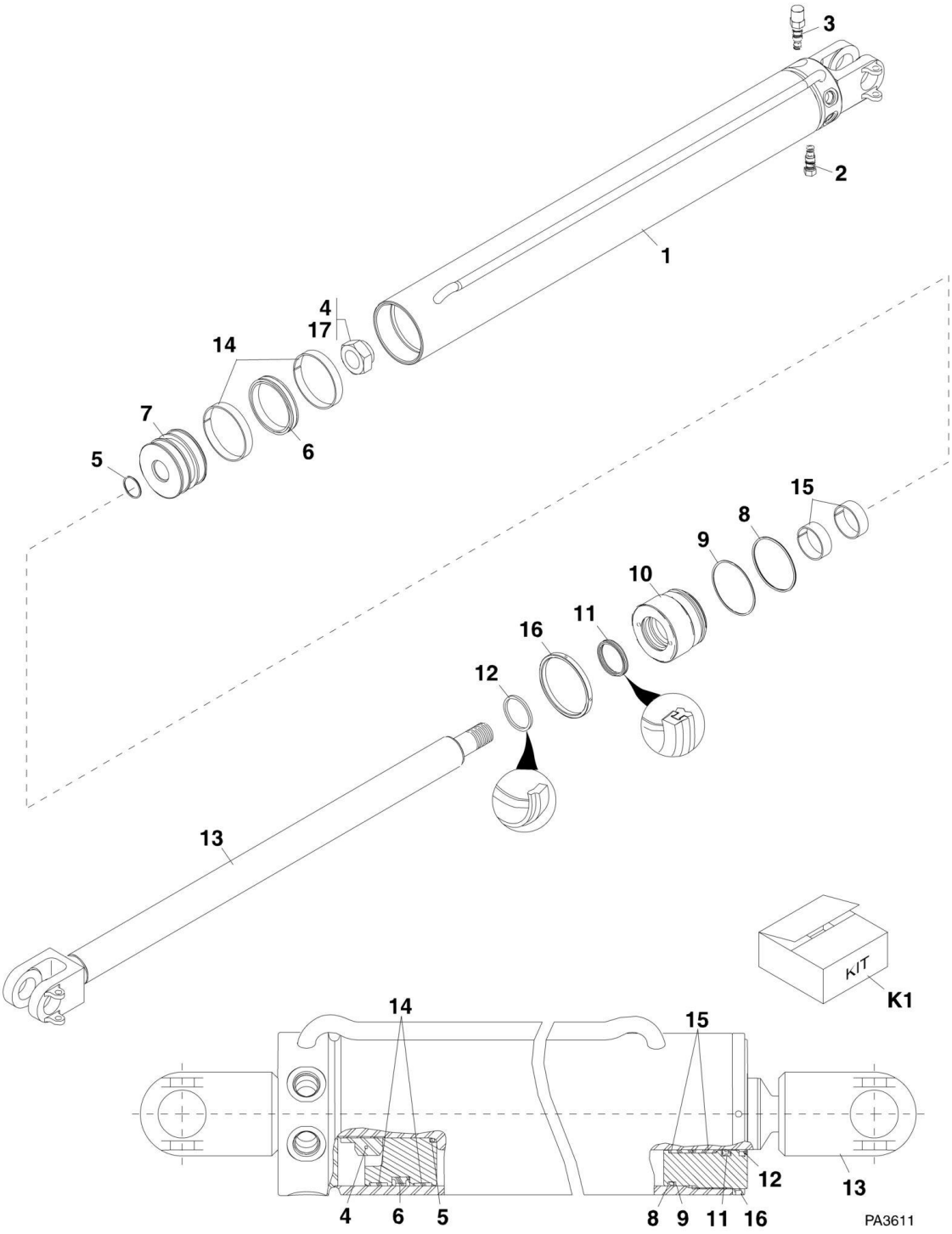


FIGURE 9-2. BOOM LIFT/LOWER CYLINDER (SN 17019 through 19897, SN 0160002408 through 0160003867)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717007	2	BOOM LIFT/LOWER CYLINDER, (includes items 1 thru 16)	B
1	70023141	1	CYLINDER TUBE	
2	8036393	1	PO CHECK VALVE	
2	8205655	1	SEAL KIT	
3	8035321	1	COUNTERBALANCE VALVE, (4000 ± 50PSI), (torque to 30-35 lb-ft)	
3	8035327	1	SEAL KIT	
4	8036394	1	LOCKNUT, (torque to 1750-2000 lb-ft)	
5	Kit K1	1	O-RING	
6	Kit K1	1	CAPPED T-SEAL	
7	8036397	1	PISTON	
8	Kit K1	1	O-RING	
9	Kit K1	1	BACK-UP RING	
10	8036396	1	GLAND	
11	Kit K1	1	DEEP Z-SEAL	
12	Kit K1	1	WIPER SEAL	
13	8036489	1	WELDMENT ROD	
14	Kit K1	2	PRECISION WEARBAND	
15	Kit K1	2	PRECISION WEARBAND	
16	8036398	1	LOCKING COLLAR, (torque to 300-400 lb-ft)	
17	0100019	1	LOCTITE 271, (apply to item 4)	
K1	8036132	1	LIFT/LOWER CYLINDER SEAL KIT, (includes items 5, 6, 8, 9, 11, 12, 14 & 15)	
N1	Note	Ref	**QUANTITIES SHOWN ARE FOR ONE CYLINDER ONLY**	

FIGURE 9-3. BOOM LIFT/LOWER CYLINDER (SN 0160003879 through 0160027650)

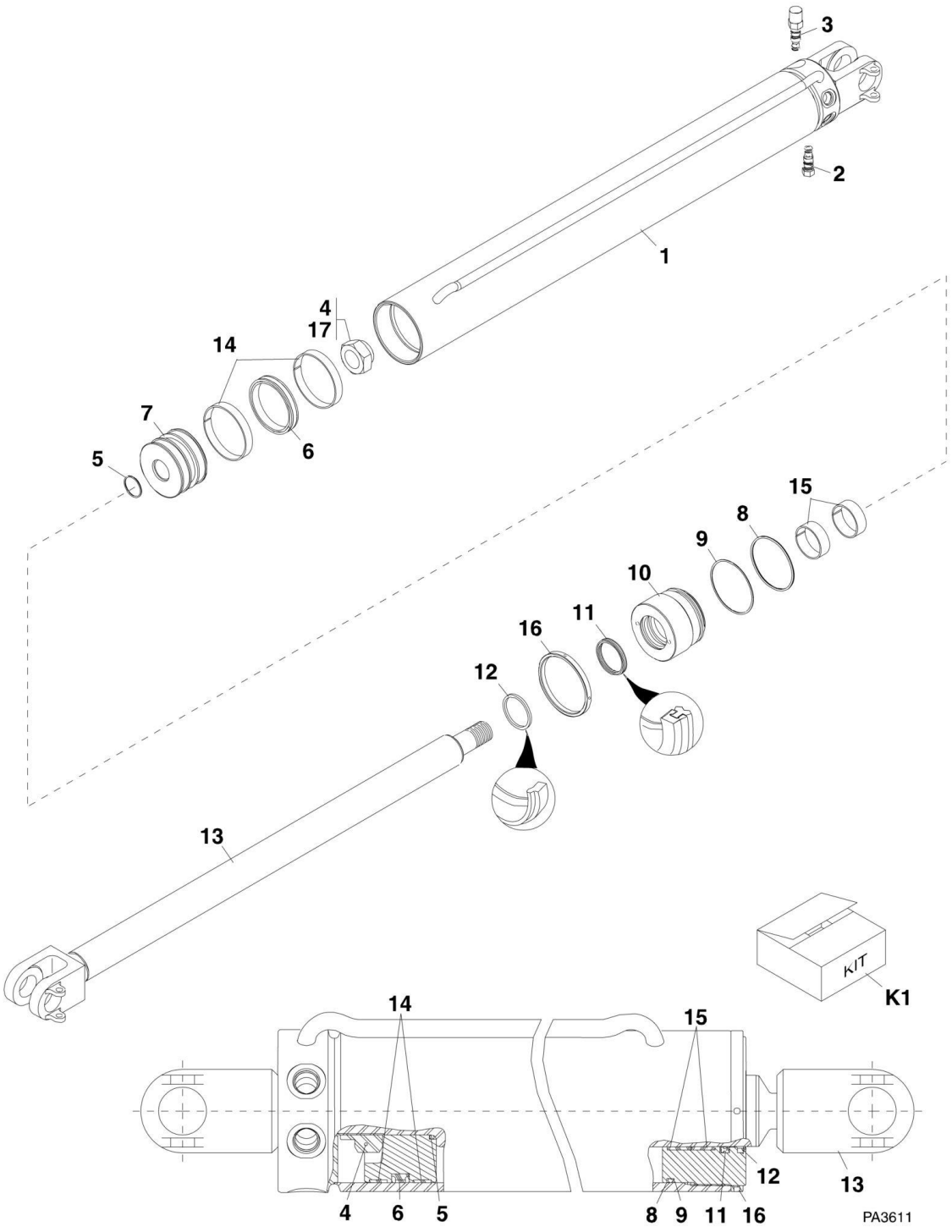


FIGURE 9-3. BOOM LIFT/LOWER CYLINDER (SN 0160003879 through 0160027650)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717262	2	BOOM LIFT/LOWER CYLINDER, (includes items 1 thru 16) **(SN 0160003879 through 0160015022)**	D
	1684455	2	BOOM LIFT/LOWER CYLINDER, (includes items 1 thru 16) **(SN 0160013567 through 0160027650)**	C
1	N.S.S.	1	CYLINDER TUBE	
2	8036750	1	PO CHECK VALVE, (torque to 30-35 lb-ft)	
2	2900770	1	SEAL KIT	
3	8035321	1	COUNTERBALANCE VALVE, (4000 ± 50PSI), (torque to 30-35 lb-ft)	
3	8035327	1	SEAL KIT	
4	8036394	1	LOCKNUT, (torque to 1750-2000 lb-ft)	
5	Kit K1	1	O-RING	
6	Kit K1	1	CAPPED T-SEAL	
7	8036397	1	PISTON	
8	Kit K1	1	O-RING	
9	Kit K1	1	BACK-UP RING	
10	8036396	1	GLAND	
11	Kit K1	1	DEEP Z-SEAL	
12	Kit K1	1	WIPER SEAL	
13	8036489	1	WELDMENT ROD	
14	Kit K1	2	PRECISION WEARBAND	
15	Kit K1	2	PRECISION WEARBAND	
16	8036398	1	LOCKING COLLAR, (torque to 300-400 lb-ft)	
17	0100019	1	LOCTITE 271, (apply to item 4)	
K1	8036132	1	LIFT/LOWER CYLINDER SEAL KIT, (includes items 5, 6, 8, 9, 11, 12, 14 & 15)	
N1	Note	Ref	**QUANTITIES SHOWN ARE FOR ONE CYLINDER ONLY**	

FIGURE 9-4. BOOM LIFT/LOWER CYLINDER (SN 0160027677 to Present)

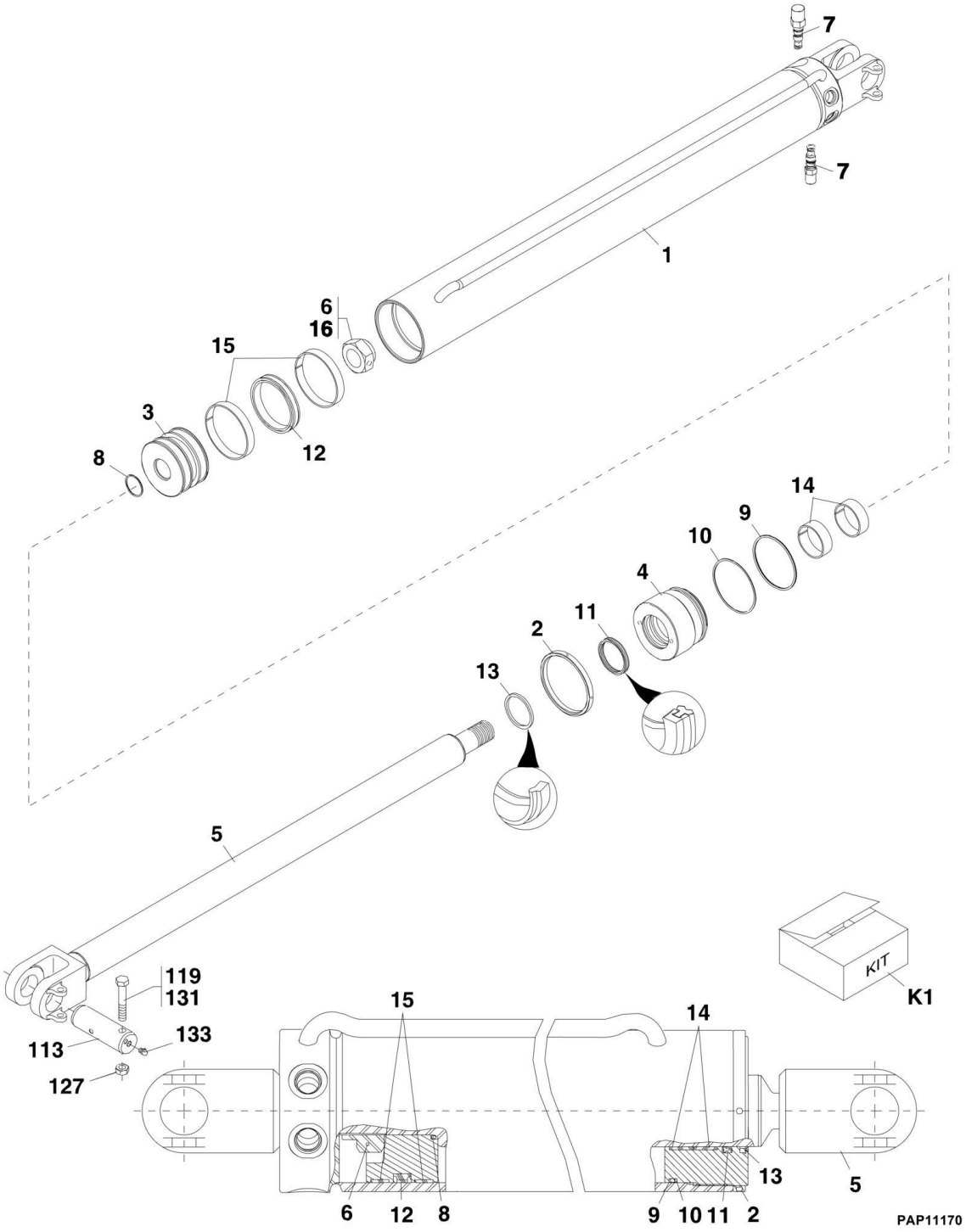


FIGURE 9-4. BOOM LIFT/LOWER CYLINDER (SN 0160027677 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1684537	2	BOOM LIFT/LOWER CYLINDER, (includes items 1 thru 15)	B
1	N.S.S.	1	CYLINDER TUBE	
2	8036398	1	LOCKING COLLAR, (torque to 300-400 lb-ft)	
3	8036397	1	PISTON	
4	8036396	1	GLAND	
5	8036489	1	WELDMENT ROD	
6	8036394	1	LOCKNUT, (torque to 1750-2000 lb-ft)	
7	8035321	2	COUNTERBALANCE VALVE, (4000 ± 50PSI), (torque to 30-35 lb-ft)	
7	8035327	1	SEAL KIT	
8	Kit K1	1	O-RING	
9	Kit K1	1	O-RING	
10	Kit K1	1	BACK-UP RING	
11	Kit K1	1	DEEP Z-SEAL	
12	Kit K1	1	CAPPED T-SEAL	
13	Kit K1	1	WIPER SEAL	
14	Kit K1	2	PRECISION WEARBAND	
15	Kit K1	2	PRECISION WEARBAND	
16	0100019	1	LOCTITE 271, (apply to item 6)	
113	3423227	1	CYLINDER PIN	
119	8303782	1	HEX HD CAPSCREW, 1/2-13X4, GR5	
127	8305644	1	HEX LOCKNUT, 1/2-13	
131	8522012	AR	ANTI-SEIZE LUBE	
133	8520003	1	LUBE FITTING, 90	
K1	8036132	1	LIFT/LOWER CYLINDER SEAL KIT, (includes items 8 thru 15)	
N1	Note	Ref	**QUANTITIES SHOWN ARE FOR ONE CYLINDER ONLY**	

FIGURE 9-5. FRAME SWAY CYLINDER (SN 17019 through 19897, SN 0160002408 through 0160003867)

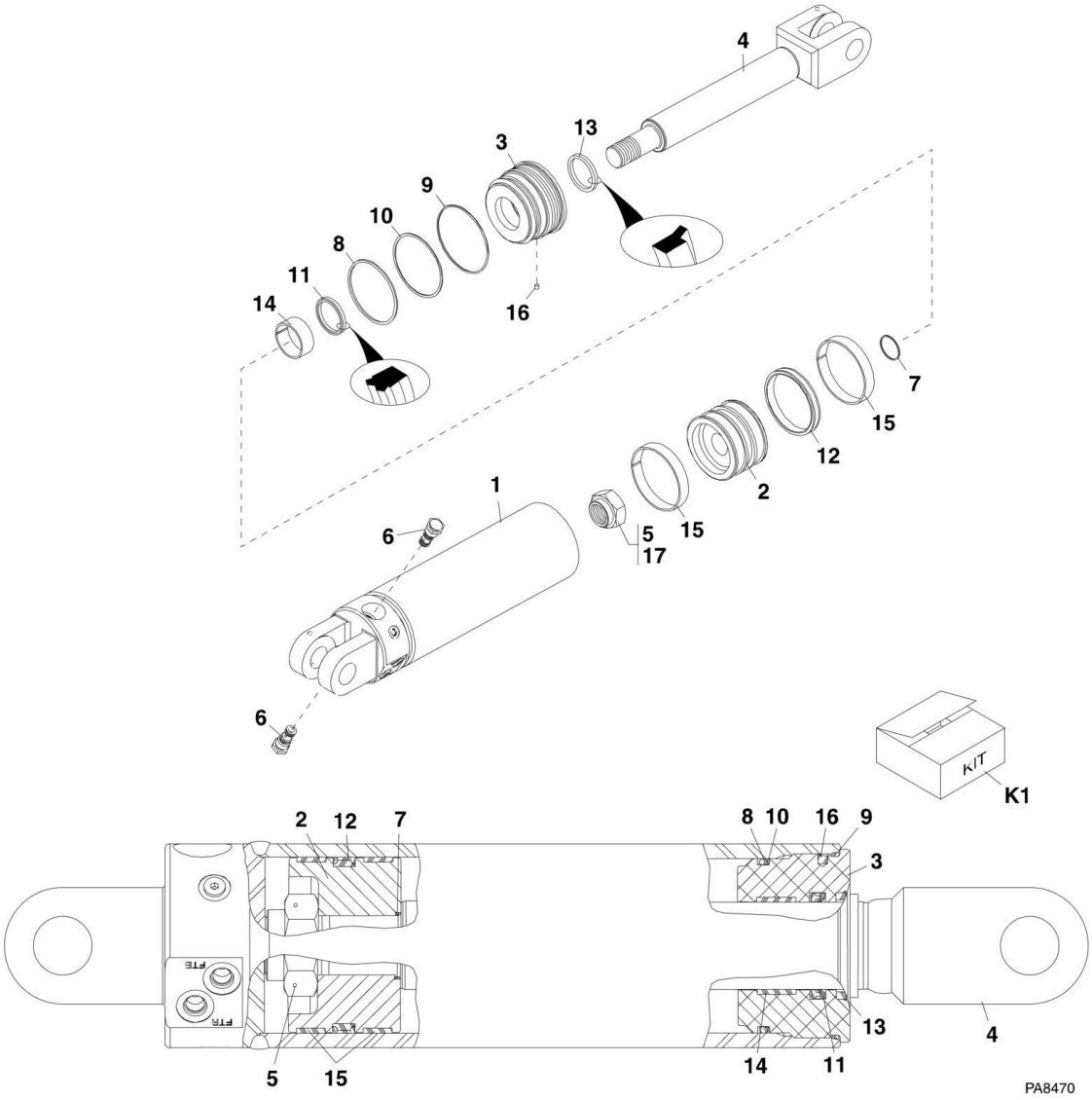
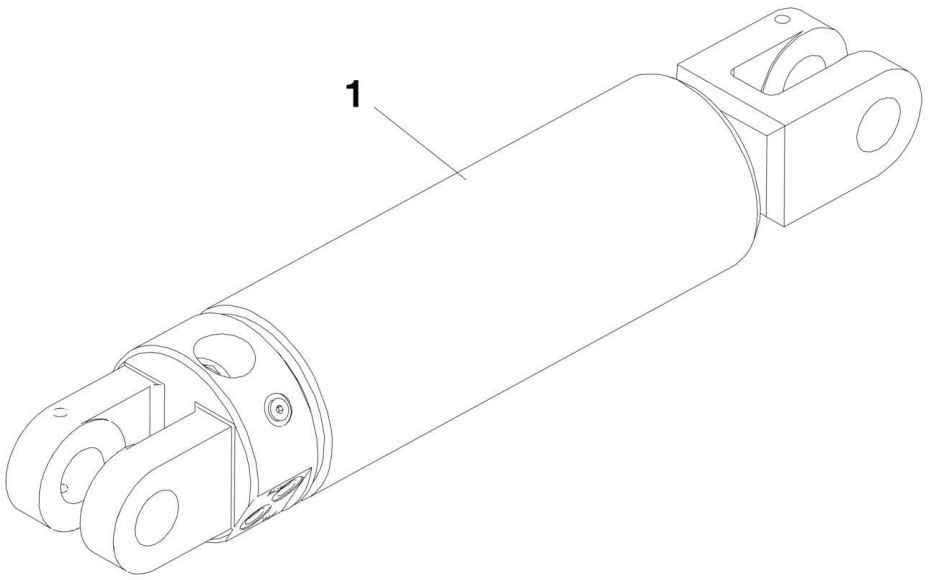


FIGURE 9-5. FRAME SWAY CYLINDER (SN 17019 through 19897, SN 0160002408 through 0160003867)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716563	1	FRAME SWAY CYLINDER, (includes items 1 thru 16)	C
1	N.S.S.	1	WELDMENT TUBE	
2	8035323	1	PISTON	
3	8035324	1	HEAD GLAND, (torque to 300-400 lb-ft)	
4	8035758	1	WELDMENT ROD	
5	8035322	1	HEX LOCKNUT, 1.50-12, (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 K1	1	O-RING	
8	Kit K1	1	O-RING	
9	Kit K1	1	O-RING	
10	Kit K1	1	BACK-UP RING	
11	Kit K1	1	DEEP Z-SEAL	
12	Kit K1	1	CAPPED T-SEAL	
13	Kit K1	1	WIPER SEAL	
14	Kit K1	1	PRECISION WEARBAND	
15	Kit K1	2	PRECISION WEARBAND	
16	Kit K1	1	LOCKING INSERT	
17	0100019	AR	LOCTITE 271, (apply to item 5)	
K1	8035326	1	FRAME SWAY CYLINDER SEAL KIT, (includes items 7 thru 16)	

FIGURE 9-6. FRAME SWAY CYLINDER (SN 0160003879 through 0160005651)



PA4200

FIGURE 9-6. FRAME SWAY CYLINDER (SN 0160003879 through 0160005651)

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

FIGURE 9-7. FRAME SWAY CYLINDER (SN 0160005696 to Present)

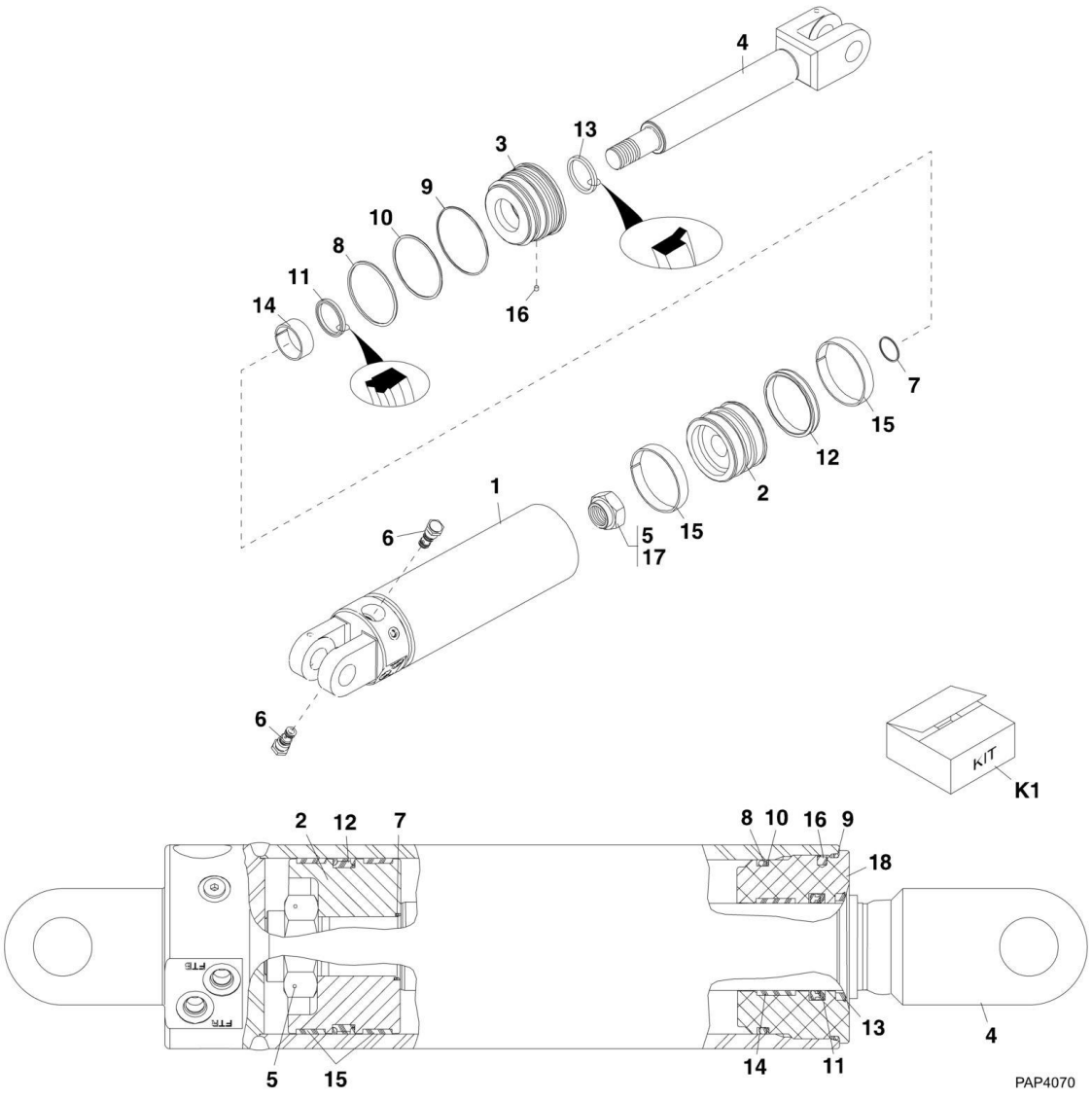


FIGURE 9-7. FRAME SWAY CYLINDER (SN 0160005696 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716563	1	FRAME SWAY CYLINDER, (includes items 1 thru 16 & 18)	C
1	N.S.S.	1	WELDMENT TUBE	
2	8035323	1	PISTON	
3	8035324	1	HEAD GLAND, (torque to 300-400 lb-ft)	
4	8035758	1	WELDMENT ROD	
5	8035322	1	HEX LOCKNUT, 1.50-12, (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 K1	1	O-RING	
8	Kit K1	1	O-RING	
9	Kit K1	1	O-RING	
10	Kit K1	1	BACK-UP RING	
11	Kit K1	1	DEEP Z-SEAL	
12	Kit K1	1	CAPPED T-SEAL	
13	Kit K1	1	WIPER SEAL	
14	Kit K1	1	PRECISION WEARBAND	
15	Kit K1	2	PRECISION WEARBAND	
16	Kit K1	1	LOCKING INSERT	
17	0100019	AR	LOCTITE 271, (apply to item 5)	
18	70021564	1	SQUARE RING	
K1	8035326	1	FRAME SWAY CYLINDER SEAL KIT, (includes items 7 thru 16)	

FIGURE 9-8. ATTACHMENT TILT CYLINDER

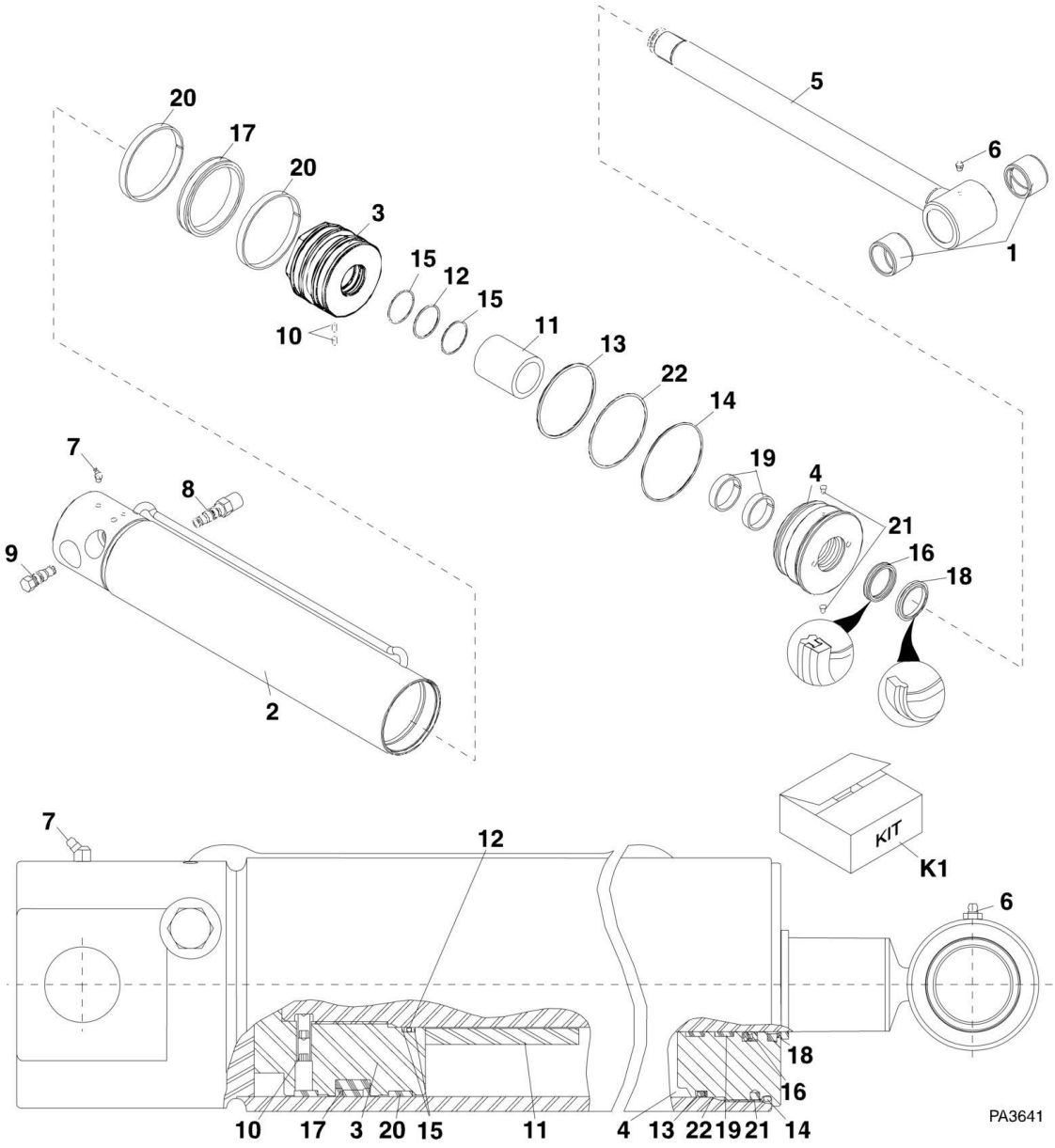


FIGURE 9-8. ATTACHMENT TILT CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716614	1	ATTACHMENT TILT CYLINDER, (includes all items)	E
1	8036149	2	BEARING	
2	70023265	1	WELDMENT TUBE	
3	8036392	1	PISTON, (Loctite 243 and torque to 200-300 lb-ft)	
4	8036391	1	GLAND, (torque to 300-400 lb-ft)	
5	8036389	1	WELDMENT ROD	
6	8036144	1	STRAIGHT LUBE FITTING	
7	8520034	1	LUBE FITTING, 45	
8	8035321	1	COUNTERBALANCE VALVE, (4000PSI), (torque to 30-35 lb-ft)	
8	8035327	1	SEAL KIT	
9	8036393	1	CHECK VALVE, (torque to 30-35 lb-ft)	
9	8205655	1	SEAL KIT	
10	8035536	2	SET SCREW, 5/16-18X.5, (Loctite 243 and torque to 155-175 lb-ft)	
11	8036390	1	ROD SPACER	
12	Kit K1	1	O-RING	
13	Kit K1	1	O-RING	
14	Kit K1	1	O-RING	
15	Kit K1	2	DYNAMIC BACK-UP RING	
16	Kit K1	1	DEEP Z-SEAL	
17	Kit K1	1	CAPPED T-SEAL	
18	Kit K1	1	WIPER SEAL	
19	Kit K1	2	PRECISION WEARBAND	
20	Kit K1	2	PRECISION WEARBAND	
21	Kit K1	2	LOCKING INSERT	
22	Kit K1	1	DYNAMIC BACK-UP RING	
K1	8035720	1	ATTACHMENT TILT CYLINDER SEAL KIT, (includes items 12 thru 22)	

FIGURE 9-9. STABIL-TRAK CYLINDER (SN 17019 through 19299)

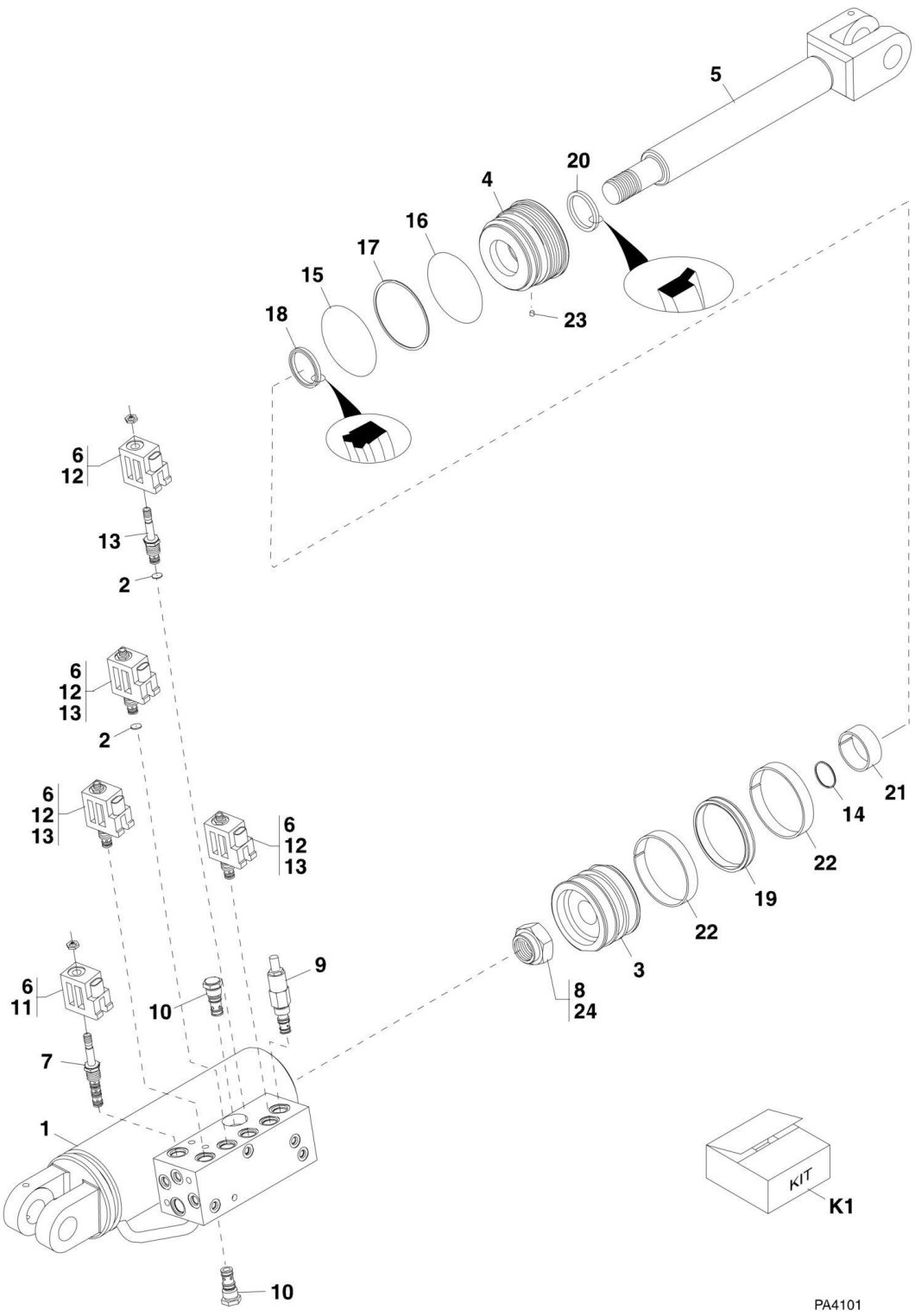


FIGURE 9-9. STABIL-TRAK CYLINDER (SN 17019 through 19299)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716564	1	STABIL-TRAK CYLINDER, (includes items 1 thru 23)	AD
1	N.S.S.	1	WELDMENT TUBE	
2	8035781	2	CONICAL ORIFICE DISK, .060 DIA	
3	8035323	1	PISTON, (torque to 300-400 lb-ft)	
4	8035324	1	HEAD GLAND, (torque to 300-400 lb-ft)	
5	8035783	1	WELDMENT ROD	
6	8036288	5	SOLENOID COIL, (torque to 25-30 lb-ft)	
7	8036290	1	SOLENOID VALVE CARTRIDGE	
8	8035322	1	LOCKNUT, 1.50-12, (torque to 1100-1250 lb-ft)	
9	8035282	1	PRESSURE REDUCING VALVE, (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)	
11	8036195	1	SEAL KIT	
12	8036019	4	SOLENOID VALVE, 2 WAY, 12V, (includes items 6 & 13)	
12	8034037	1	SEAL KIT	
13	8036289	4	SOLENOID VALVE CARTRIDGE	
14	Kit K1	1	O-RING	
15	Kit K1	1	O-RING	
16	Kit K1	1	O-RING	
17	Kit K1	1	BACK-UP RING	
18	Kit K1	1	DEEP Z-SEAL	
19	Kit K1	1	CAPPED T-SEAL	
20	Kit K1	1	WIPER SEAL	
21	Kit K1	1	PRECISION WEARBAND	
22	Kit K1	2	PRECISION WEARBAND	
23	Kit K1	1	LOCKING INSERT	
24	0100019	1	LOCTITE 271, (apply to item 8)	
K1	8035326	1	SEAL KIT, (includes items 14 thru 23)	

FIGURE 9-10. STABIL-TRAK CYLINDER (SN 0160002408 to Present, SN 19300 through 19897)

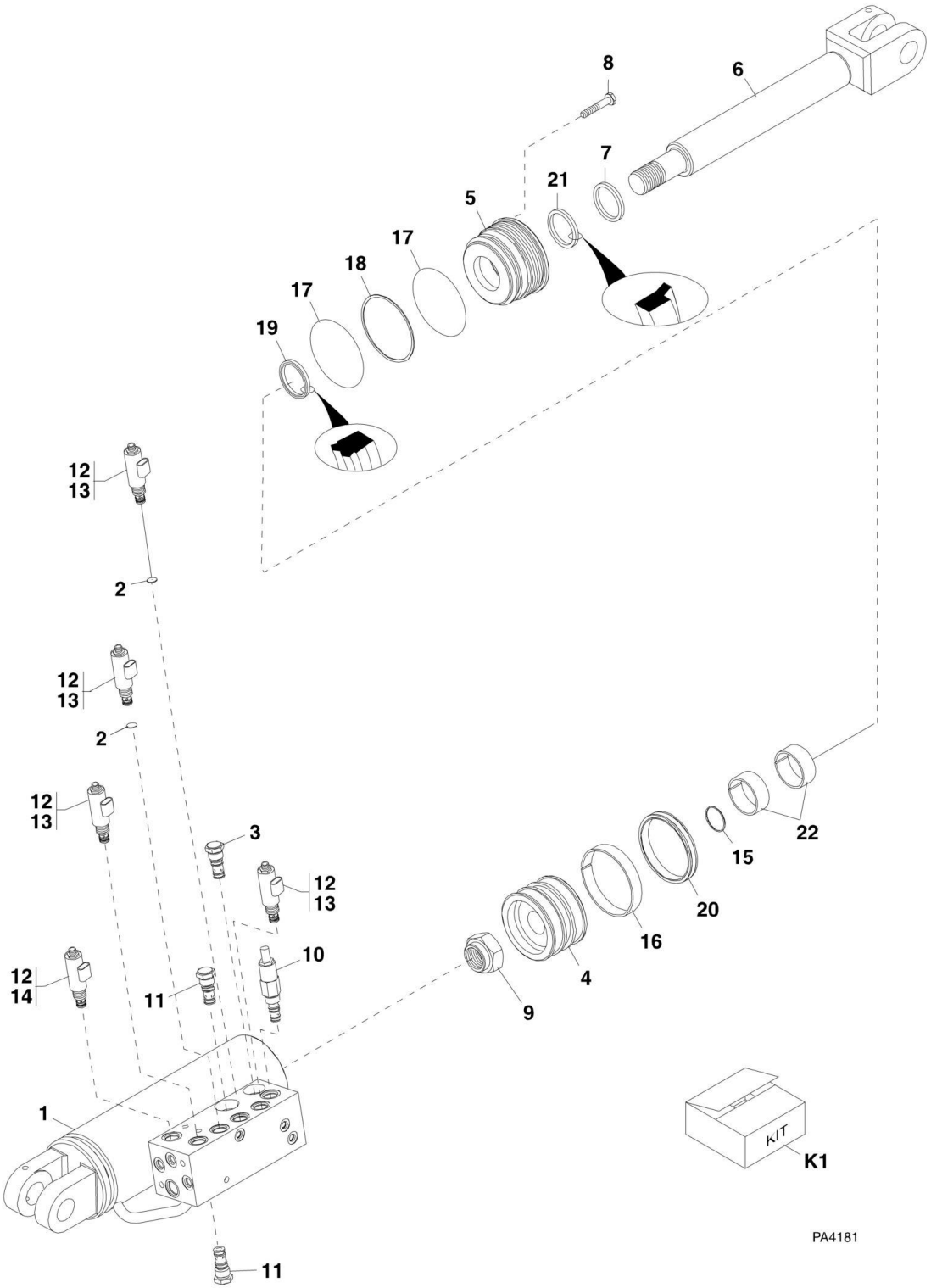


FIGURE 9-10. STABIL-TRAK CYLINDER (SN 0160002408 to Present, SN 19300 through 19897)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717198	1	STABIL-TRAK CYLINDER, (includes items 1 thru 22)	E
1	N.S.S.	1	WELDMENT TUBE	
2	8035781	2	CONICAL ORIFICE DISK, .060 DIA	
3	8036582	1	CHECK VALVE, (torque to 20-25 lb-ft)	
3	7017496	1	SEAL KIT	
4	8036826	1	PISTON	
5	8036828	1	GUIDE, (torque to 300-350 lb-ft)	
6	8036827	1	ROD WELDMENT	
7	7029153	1	O-RING	
8	8036811	1	HEX SOCKET SET SCREW, 1/4-20X3/8, (torque to 3-4 lb-ft)	
9	8036825	1	LOCKNUT, 1-1/2-12, (torque to 1175-1400 lb-ft)	
10	8035282	1	PRESSURE REDUCING VALVE, (torque to 35-40 lb-ft)	
10	8032994	1	SEAL KIT	
11	8035281	2	PO CHECK VALVE, SERIES 10, (torque to 35-40 lb-ft)	
11	8036192	2	SEAL KIT	
12	7029246	5	SOLENOID COIL, (torque to 25-30 lb-ft)	
13	8036581	4	SOLENOID VALVE, 2 WAY, 12V	
13	7017496	4	SEAL KIT	
14	8036580	1	SOLENOID VALVE, 4 WAY, 12V	
14	7012903	1	SEAL KIT	
15	Kit K1	1	O-RING	
16	Kit K1	1	WEAR RING	
17	Kit K1	2	O-RING	
18	Kit K1	1	BACK-UP RING	
19	Kit K1	1	DEEP Z-SEAL	
20	Kit K1	1	CAPPED T-SEAL	
21	Kit K1	1	WIPER RING	
22	Kit K1	2	WEAR RING	
K1	8036747	1	SEAL KIT, (includes items 15 thru 22)	

FIGURE 9-11. SLAVE CYLINDER (SN 17019 through 19299)

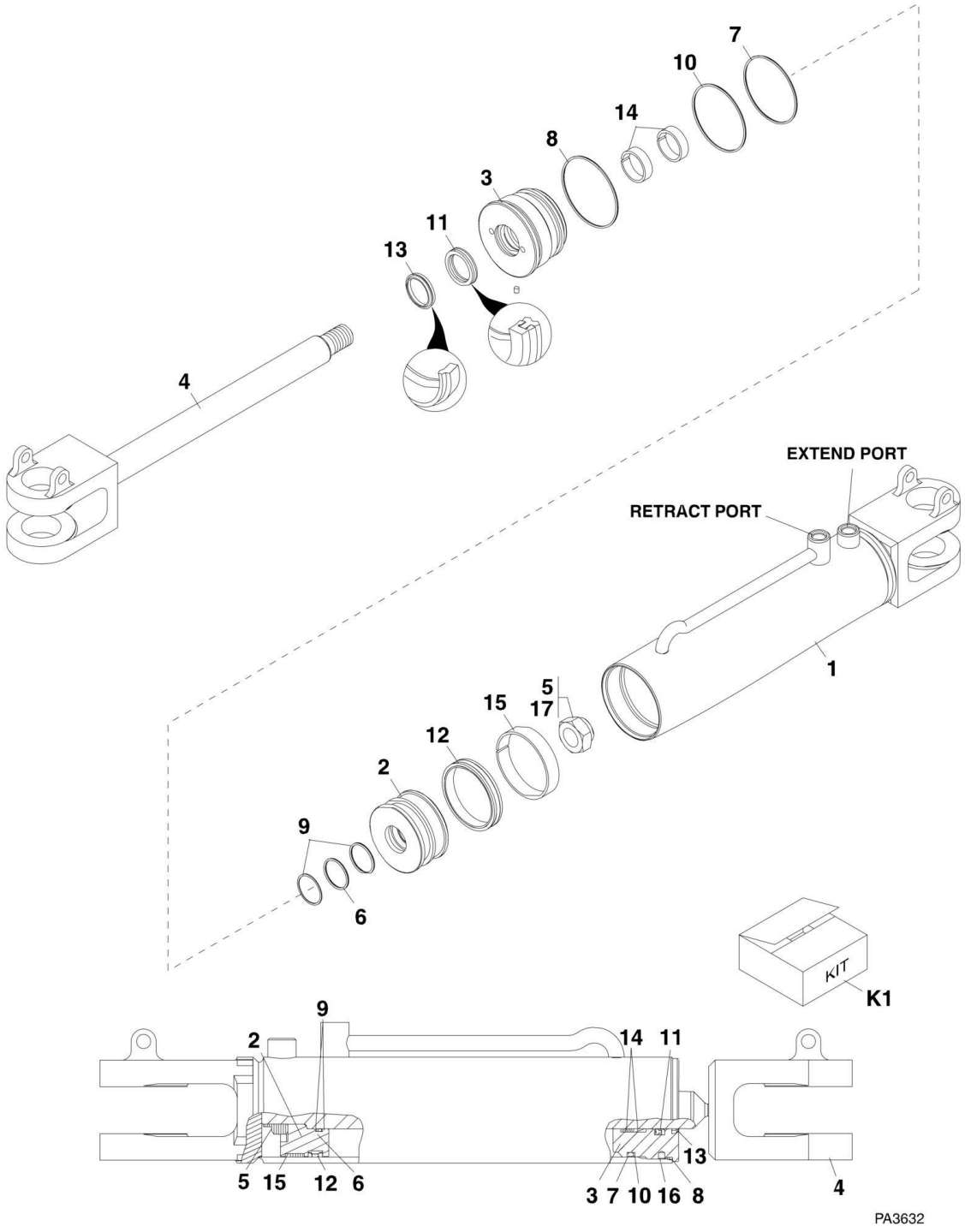


FIGURE 9-11. SLAVE CYLINDER (SN 17019 through 19299)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716615	2	SLAVE CYLINDER, (includes items 1 thru 16)	AB
1	N.S.S.	1	CYLINDER TUBE	
2	8036401	1	PISTON	
3	8036400	1	HEAD GLAND, (torque 250-300 lb-ft)	
4	8036399	1	ROD	
5	8037080	1	LOCKNUT, 1.25-12, (torque 675-750 lb-ft)	
6	Kit K1	1	O-RING	
7	Kit K1	1	O-RING	
8	Kit K1	1	O-RING	
9	Kit K1	2	BACK-UP RING	
10	Kit K1	1	BACK-UP RING	
11	Kit K1	1	DEEP Z-SEAL	
12	Kit K1	1	CAPPED T-SEAL	
13	Kit K1	1	WIPER SEAL	
14	Kit K1	2	WEARBAND	
15	Kit K1	1	WEARBAND	
16	Kit K1	1	LOCKING INSERT	
17	0100019	AR	LOCTITE 271, (apply to item 5)	
K1	8036131	1	SEAL KIT, (includes items 6 thru 16)	
N1	Note	Ref	**QUANTITIES SHOWN ARE FOR ONE CYLINDER ONLY**	

FIGURE 9-12. SLAVE CYLINDER (SN 19300 through 19897, SN 0160002408 through 0160003867)

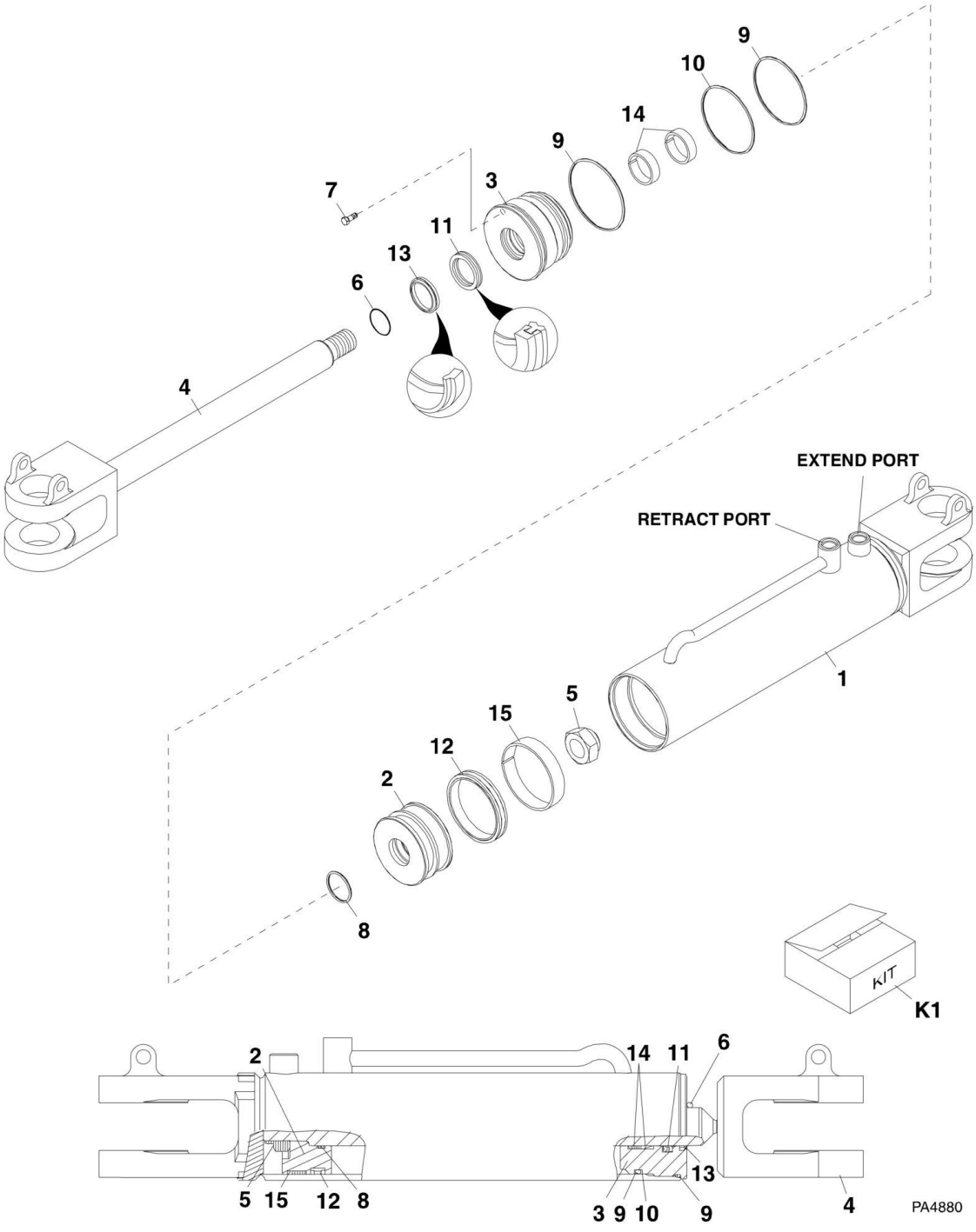


FIGURE 9-12. SLAVE CYLINDER (SN 19300 through 19897, SN 0160002408 through 0160003867)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717197	2	SLAVE CYLINDER, (includes items 1 thru 15)	C
1	N.S.S.	1	CYLINDER TUBE	
2	7029247	1	PISTON	
3	7029250	1	GUIDE, (torque 300-350 lb-ft)	
4	7029248	1	ROD	
5	7017278	1	LOCKNUT, 1-1/8-12, (torque 650-700 lb-ft)	
6	7029249	1	O-RING	
7	7017283	1	HEX SOCKET SET SCREW, 1/4-20X3/8, (torque to 3-4 lb-ft)	
8	Kit K1	1	O-RING	
9	Kit K1	2	O-RING	
10	Kit K1	1	BACK-UP RING	
11	Kit K1	1	DEEP Z-SEAL	
12	Kit K1	1	CAPPED T-SEAL	
13	Kit K1	1	WIPER RING	
14	Kit K1	2	WEAR RING	
15	Kit K1	1	WEAR RING	
K1	7028739	1	SEAL KIT, (includes items 8 thru 15)	
N1	Note	Ref	**QUANTITIES SHOWN ARE FOR ONE CYLINDER ONLY**	

FIGURE 9-13. SLAVE CYLINDER (SN 0160003879 to Present)

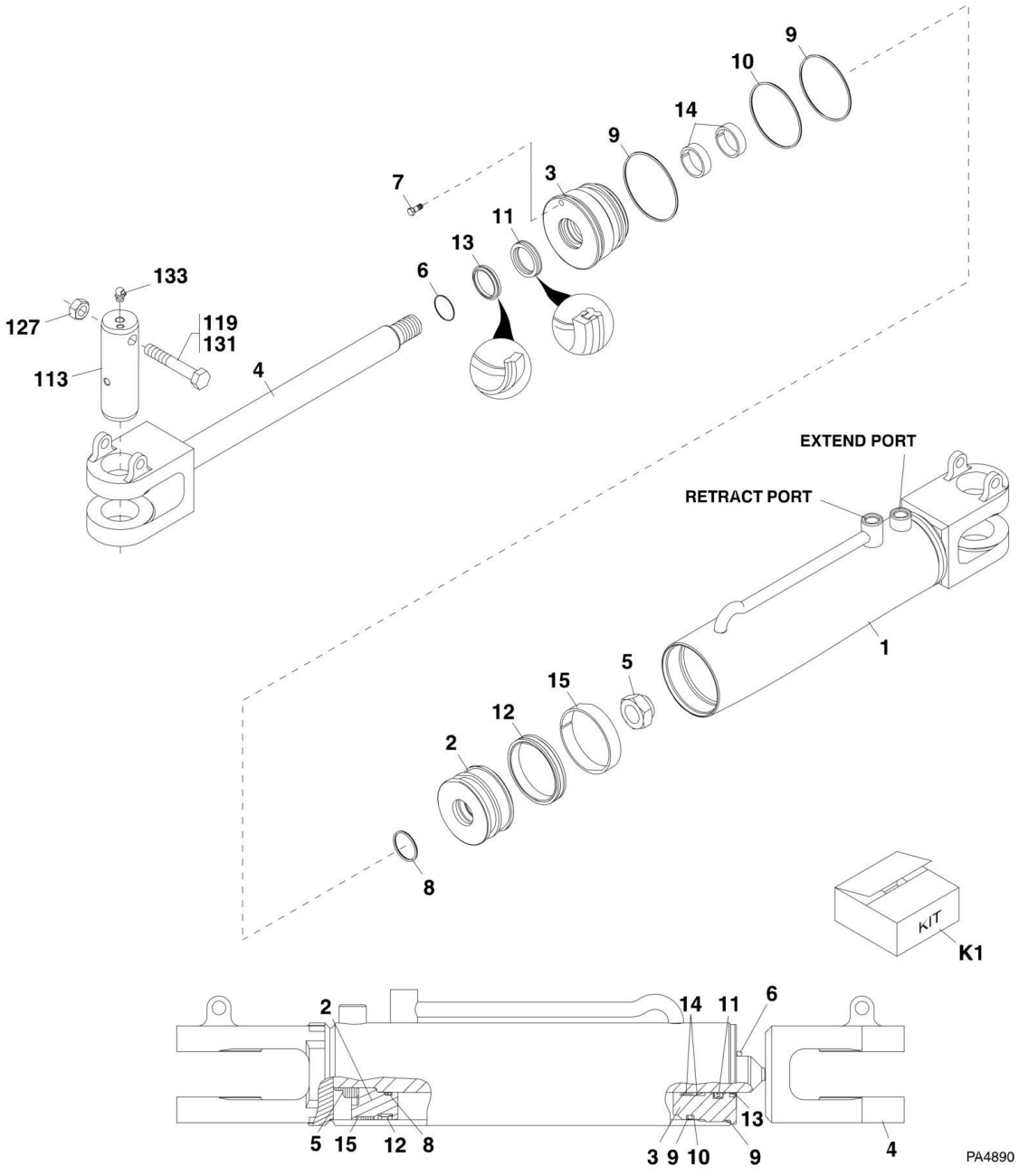


FIGURE 9-13. SLAVE CYLINDER (SN 0160003879 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717260	2	SLAVE CYLINDER, (includes items 1 thru 15)	B
1	N.S.S.	1	CYLINDER TUBE	
2	7029247	1	PISTON	
3	7029250	1	GUIDE, (torque 300-350 lb-ft)	
4	7029251	1	ROD	
5	7017278	1	LOCKNUT, 1-1/8-12, (torque 650-700 lb-ft)	
6	7029249	1	O-RING	
7	8036811	1	HEX SOCKET SET SCREW, 1/4-20X3/8, (torque to 3-4 lb-ft)	
8	Kit K1	1	O-RING	
9	Kit K1	2	O-RING	
10	Kit K1	1	BACK-UP RING	
11	Kit K1	1	DEEP Z-SEAL	
12	Kit K1	1	CAPPED T-SEAL	
13	Kit K1	1	WIPER RING	
14	Kit K1	2	WEAR RING	
15	Kit K1	1	WEAR RING	
113	3423227	1	CYLINDER PIN	
119	8303782	1	HEX HD CAPSCREW, 1/2-13X4, GR5	
127	8305644	1	HEX LOCKNUT, 1/2-13	
131	8522012	AR	ANTI-SEIZE LUBE	
133	8520003	1	LUBE FITTING, 90	
K1	7028739	1	SEAL KIT, (includes items 8 thru 15)	
N1	Note	Ref	**QUANTITIES SHOWN ARE FOR ONE CYLINDER ONLY**	

FIGURE 9-14. GEAR PUMP

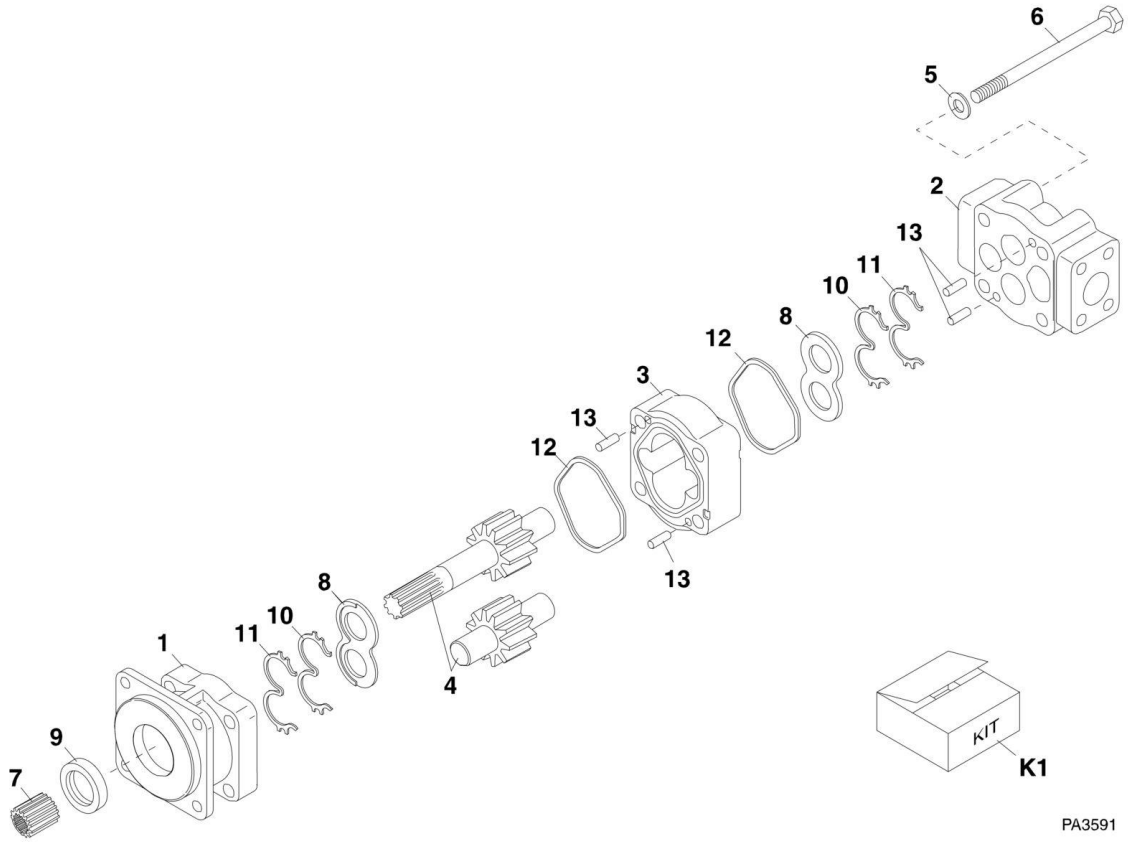


FIGURE 9-14. GEAR PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8440162	1	GEAR PUMP, (includes all items)	AA
1	N.S.S.	1	SEC HOUSING	
2	N.S.S.	1	PEC HOUSING	
3	8036428	1	GEAR HOUSING	
4	8036271	1	GEAR SHAFT SET	
5	N.S.S.	4	WASHER	
6	8035745	4	HEX HD CAPSCREW	
7	8035744	1	SPLINE ADAPTER	
8	N.S.S.	2	THRUST PLATE	
9	Kit K1	1	LIP SEAL	
10	Kit K1	2	CHANNEL SEAL	
11	Kit K1	2	BACK-UP SEAL	
12	Kit K1	2	SQUARE R SEAL	
13	83671037	4	DOWEL PIN	
K1	8036429	1	GEAR PUMP SEAL KIT, (includes items 9 thru 12)	

FIGURE 9-15. MAIN CONTROL VALVE

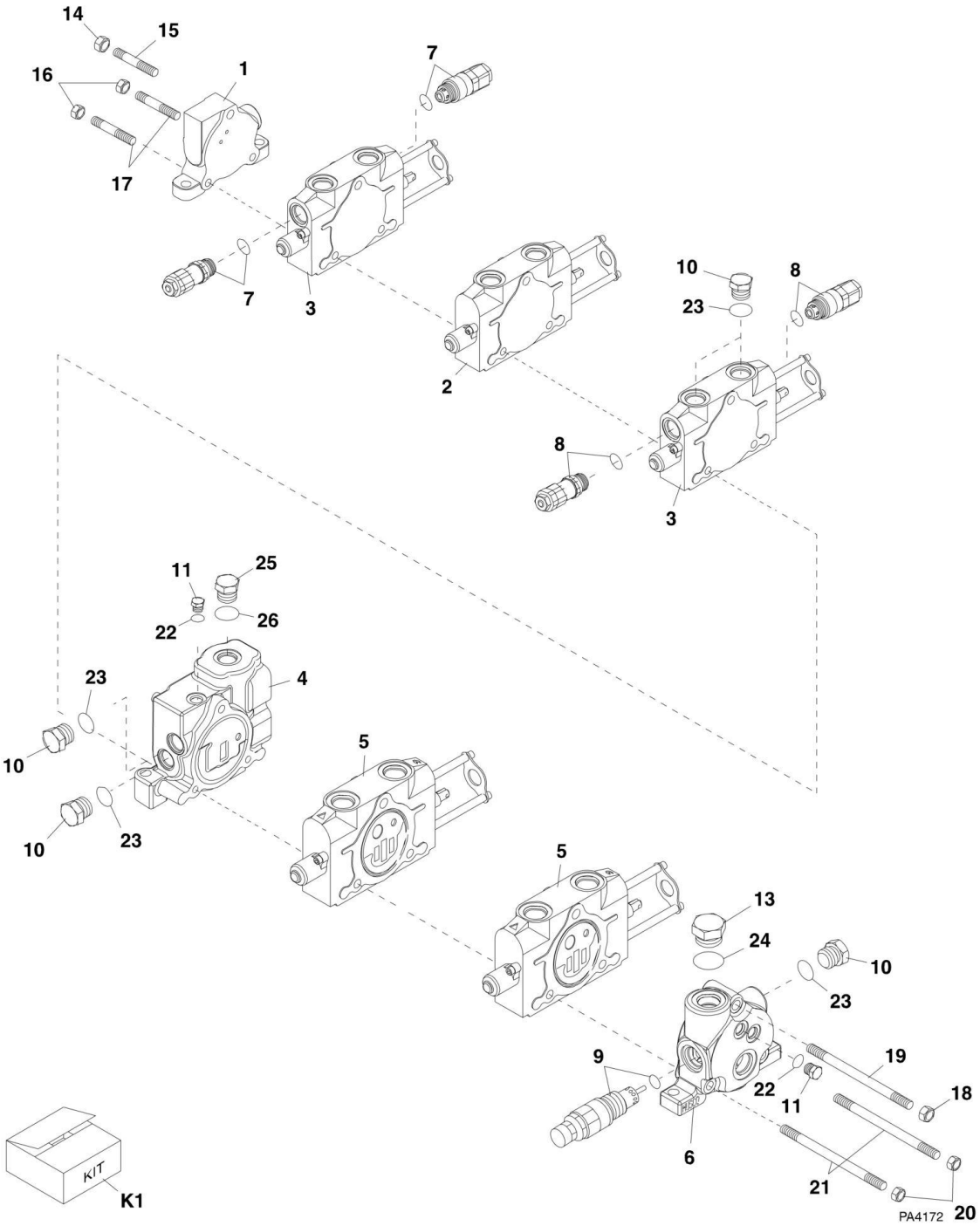


FIGURE 9-15. MAIN CONTROL VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8902187	1	MAIN CONTROL VALVE, (includes all items)	AD
1	8035848	1	OUTLET SECTION ASSY	
2	8036177	1	FRAME SWAY SECTION ASSY	
3	8036178	2	ATTACHMENT TILT AND AUXILIARY HYDRAULIC SECTION ASSY	
4	8035849	1	MID-INLET SECTION ASSY	
5	8036179	2	BOOM EXTEND/RETRACT AND BOOM LIFT/LOWER SECTION ASSY	
6	8036263	1	EXTEND/RETRACT AND LIFT/LOWER SECTION ASSY OUTLET	
7	8036175	2	RELIEF ASSY VALVE - Preset at 3250 ± 50psi (224 ± 3,4 bar)	
8	8036174	2	RELIEF ASSY VALVE - Preset at 3250 ± 50psi (224 ± 3,4 bar)	
9	8035844	1	MAIN RELIEF VALVE - Preset at 3500 ± 50psi (242 ± 3,4 bar)	
10	8035834	4	PLUG, #10	
11	8035843	2	PLUG	
12	8760419	2	PLUG, #6, (not used on machines with auxiliary hydraulics)	
13	8035835	1	PLUG, #10	
14	8035346	1	NUT	
15	8036283	1	TIE ROD	
16	8035348	2	NUT	
17	8036284	2	TIE ROD	
18	8035347	1	NUT	
19	8036282	1	TIE ROD	
20	8035381	2	NUT	
21	8036281	2	TIE ROD	
22	8036533	2	O-RING	
23	8036517	4	O-RING	
24	7013903	1	O-RING	
25	7013930	1	PLUG	
26	7013928	1	O-RING	
K1	8036180	1	COMPLETE VALVE SEAL KIT	

FIGURE 9-16. DIRECTIONAL CONTROL VALVES

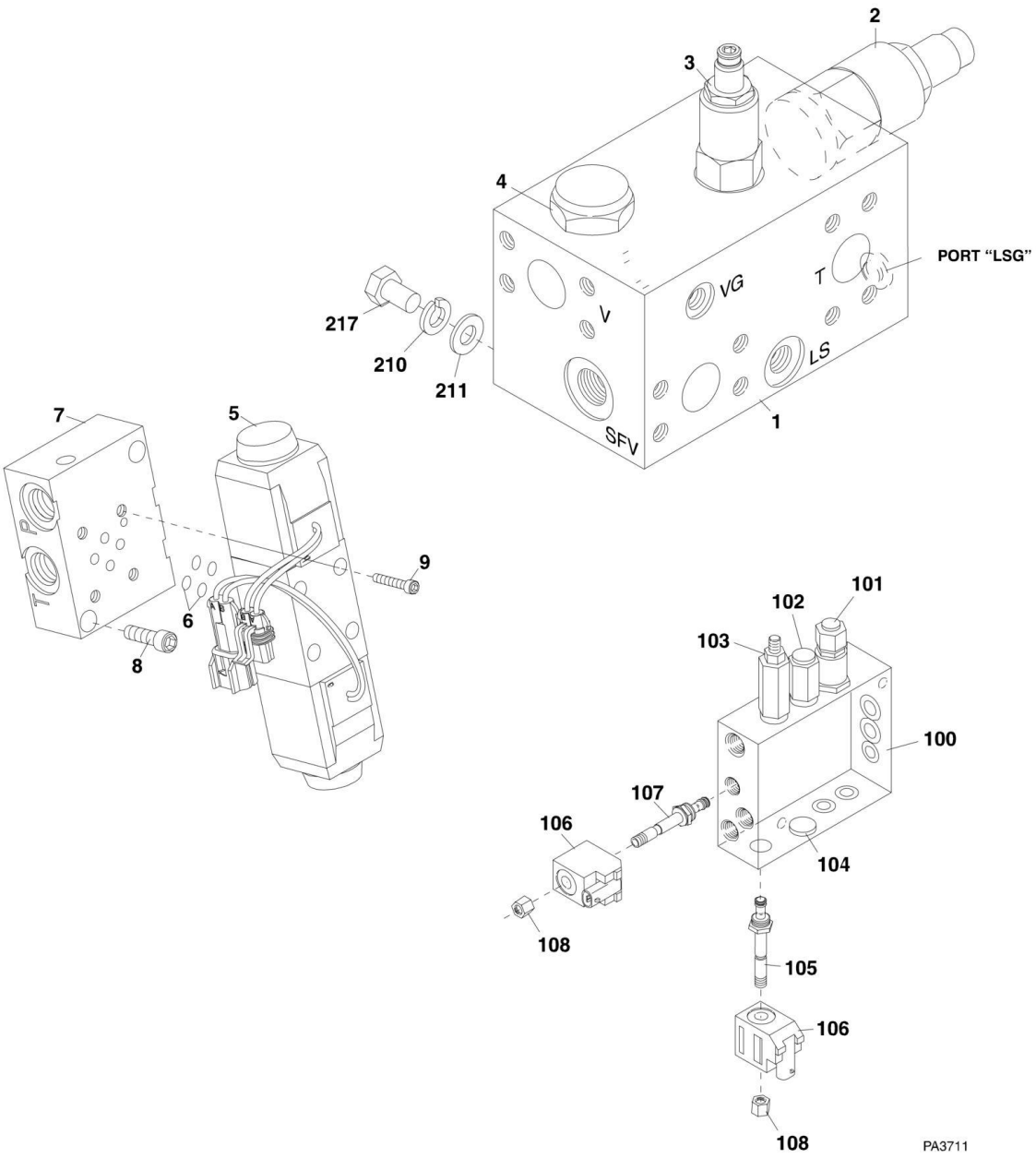


FIGURE 9-16. DIRECTIONAL CONTROL VALVES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8902200	1	UNLOADER VALVE, (includes items 2 thru 4) **(Prior to SN 0160037903)**	E
1	1001103151	1	UNLOADER VALVE, (includes items 2 thru 4) **(SN 0160037903 to Present)**	B
2	8035775	1	DIFFERENTIAL PRESSURE SENSE VALVE, (torque to 80-90 lb-ft) **(Prior to SN 0160037903)**	
2	8036187	1	SEAL KIT	
2	70022718	1	DIFFERENTIAL PRESSURE SENSE VALVE, (torque to 60-65 lb-ft) **(SN 0160037903 to Present)**	
2	8034562	1	SEAL KIT	
3	8036356	1	RELIEF VALVE, (torque to 35-40 lb-ft) **(Prior to SN 0160037903)**	
3	8034037	1	SEAL KIT	
3	70022717	1	RELIEF VALVE, (2700PSI, [186 bar]), (torque to 37-41 lb-ft) **(SN 0160037903 to Present)**	
3	8032693	1	SEAL KIT	
4	8035774	1	CHECK VALVE, (125psi [8,6 bar]), (torque to 80-90 lb-ft) **(Prior to SN 0160037903)**	
4	70020799	1	SEAL KIT	
4	70022716	1	CHECK VALVE, (180psi [12,4 bar]), (torque to 40 lb-ft) **(SN 0160037903 to Present)**	
4	7009764	1	SEAL KIT	
5	8902197	1	STEER SELECT VALVE, (includes item 6) **(Prior to SN 0160037903)**	C
5	1001103152	NLA	STEER SELECT VALVE (No Longer Available - Use 1001283631) **(SN 0160037903 to Present)**	C
5	1001283631	1	STEER SELECT VALVE (includes item 6)	
5	1001283628	1	HARNESS, JUMPER (MALE-MALE)	
5	1001283629	1	HARNESS, JUMPER (MALE-FEMALE)	
5	1001283630	1	VALVE	
6	8640017	AR	O-RING	
7	8902111	1	STEER SELECT VALVE SUBPLATE	
8	8310326	2	SOCKET HD CAPSCREW, 5/16-18X1.125, (torque to 18.5-21 lb-ft)	
9	8310327	4	SOCKET HD CAPSCREW, #10-24X1.125, (torque to 18.5-21 lb-ft)	
100	8902196	1	SECONDARY FUNCTION MANIFOLD, (includes items 101 thru 108) **(Prior to SN 0160037953)**	E
100	1001103149	1	SECONDARY FUNCTION MANIFOLD, (includes items 101 thru 108) **(SN 0160037953 to Present)**	B
101	8032989	1	PRESSURE REDUCING VALVE, (2500PSI, [172 bar]), (torque to 60-70 lb-ft) **(Prior to SN 0160037953)**	
101	8032990	1	SEAL KIT	
101	70022720	1	PRESSURE REDUCING VALVE, (2500PSI, [172 bar]), (torque to 21 lb-ft) **(SN 0160037953 to Present)**	
101	N.S.S.	1	SEAL KIT	
102	8032993	1	PRESSURE REDUCING VALVE, (550PSI, [38 bar]), (torque to 35-40 lb-ft) **(Prior to SN 0160037953)**	
102	8032994	1	SEAL KIT	
102	70022719	1	PRESSURE REDUCING VALVE, (550PSI, [38 bar]), (torque to 37-41 lb-ft) **(SN 0160037953 to Present)**	
102	N.S.S.	1	SEAL KIT	
103	8032991	1	PRESSURE REDUCING VALVE, (650PSI, [45 bar]), (torque to 25-30 lb-ft) **(Prior to SN 0160037953)**	
103	8032994	1	SEAL KIT	
103	70022721	1	PRESSURE REDUCING VALVE, (650PSI, [45 bar]), (torque to 37-	

SECTION 9 - HYDRAULIC COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			41 lb-ft) **(SN 0160037953 to Present)**	
103	N.S.S.	1	SEAL KIT	
104	8032995	1	CHECK VALVE **(Prior to SN 0160037953)**	
104	8032992	1	SEAL KIT	
104	91474023	1	CHECK VALVE, (torque to 23-27 lb-ft) **(SN 0160037953 to Present)**	
104	91474024	1	SEAL KIT	
105	8902696	1	SOLENOID VALVE CARTRIDGE, (torque to 25-30 lb-ft) **(Prior to SN 0160037953)**	
105	8032992	1	SEAL KIT	
105	70022723	1	SOLENOID VALVE CARTRIDGE, (torque to 23-27 lb-ft) **(SN 0160037953 to Present)**	
105	N.S.S.	1	SEAL KIT	
106	8902698	2	SOLENOID COIL WITH INTEGRATED DIODE **(Prior to SN 0160037953)**	
106	70022724	2	SOLENOID COIL WITH INTEGRATED DIODE **(SN 0160037953 to Present)**	
107	8902697	1	SOLENOID VALVE CARTRIDGE, (torque to 25-30 lb-ft) **(Prior to SN 0160037953)**	
107	8032992	1	SEAL KIT	
107	70022722	1	SOLENOID VALVE CARTRIDGE, (torque to 23-27 lb-ft) **(SN 0160037953 to Present)**	
107	N.S.S.	1	SEAL KIT	
108	N.S.S.	2	NUT, (torque to 4-6 lb-ft)	
210	8307005	3	LOCKWASHER, 3/8	
211	8307203	3	WASHER, 5/16	
217	8310525	3	HEX HD CAPSCREW, 3/8-16X1.00, GR8, (torque to 46-52 lb-ft)	

FIGURE 9-17. FUEL/HYDRAULIC TANK ASSEMBLY (Prior to SN 0160037238)

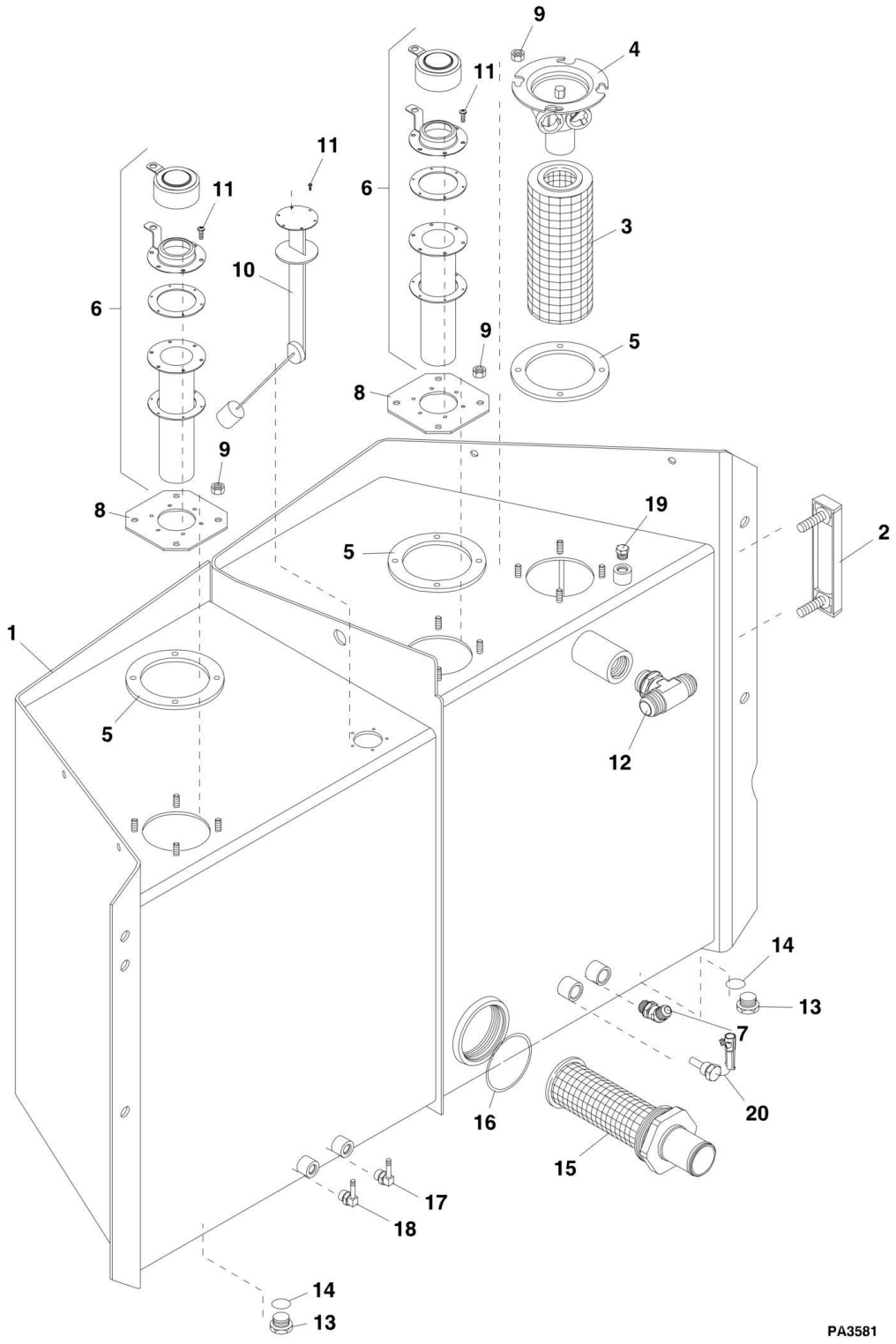


FIGURE 9-17. FUEL/HYDRAULIC TANK ASSEMBLY (Prior to SN 0160037238)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7150655	1	FUEL/HYDRAULIC TANK ASSY, (includes all items) **(SN 17019 through 19897)**	F
	7301863	1	FUEL/HYDRAULIC TANK ASSY, (includes all items) **(SN 0160002408 through 0160037238)**	G
1	7150610	1	FUEL/HYDRAULIC TANK **(SN 17019 through 19897)**	
1	7301862	1	FUEL/HYDRAULIC TANK **(SN 0160002408 through 0160037238)**	
2	7024441	1	SIGHT GAUGE, (torque bolts to 4-5 lb-ft)	
3	8320265	1	HYDRAULIC OIL FILTER ELEMENT	
4	1001091752	1	FILTER HEAD, (with by-pass)	
5	7138209	3	GASKET	
6	7139077	2	FILLER/BREATHER	
7	2220500	1	ELBOW, 45, (includes o-ring)	
8	7139076	2	PLATE	
9	8305626	12	HEX LOCKNUT, 5/16-18	
10	7118222	1	FUEL LEVEL SENDER ASSY	
11	8310163	17	TRUSS HD SCREW, #10X5/8	
12	8760552	1	MALE BRANCH TEE, #16, (includes o-ring)	
13	8541435	2	MAGNETIC HEX HD PLUG **(SN 17019 through 19897)**	
13	2220239	2	HEX HD PLUG, (includes o-ring) **(SN 0160002408 through 0160037238)**	
14	8640903	2	O-RING **(SN 17019 through 19897)**	
15	7138740	1	SUCTION STRAINER, (includes o-ring)	
16	7029716	1	O-RING	
17	8430034	1	ELBOW, 90, (includes o-ring)	
18	8430064	1	ELBOW, 90, (includes o-ring)	
19	2220237	1	HEX HD PLUG, #6, (includes o-ring)	
20	8223226	1	HYDRAULIC TEMPERATURE SWITCH, 195 F	

FIGURE 9-18. FUEL/HYDRAULIC TANK ASSEMBLY (SN 0160037238 to Present)

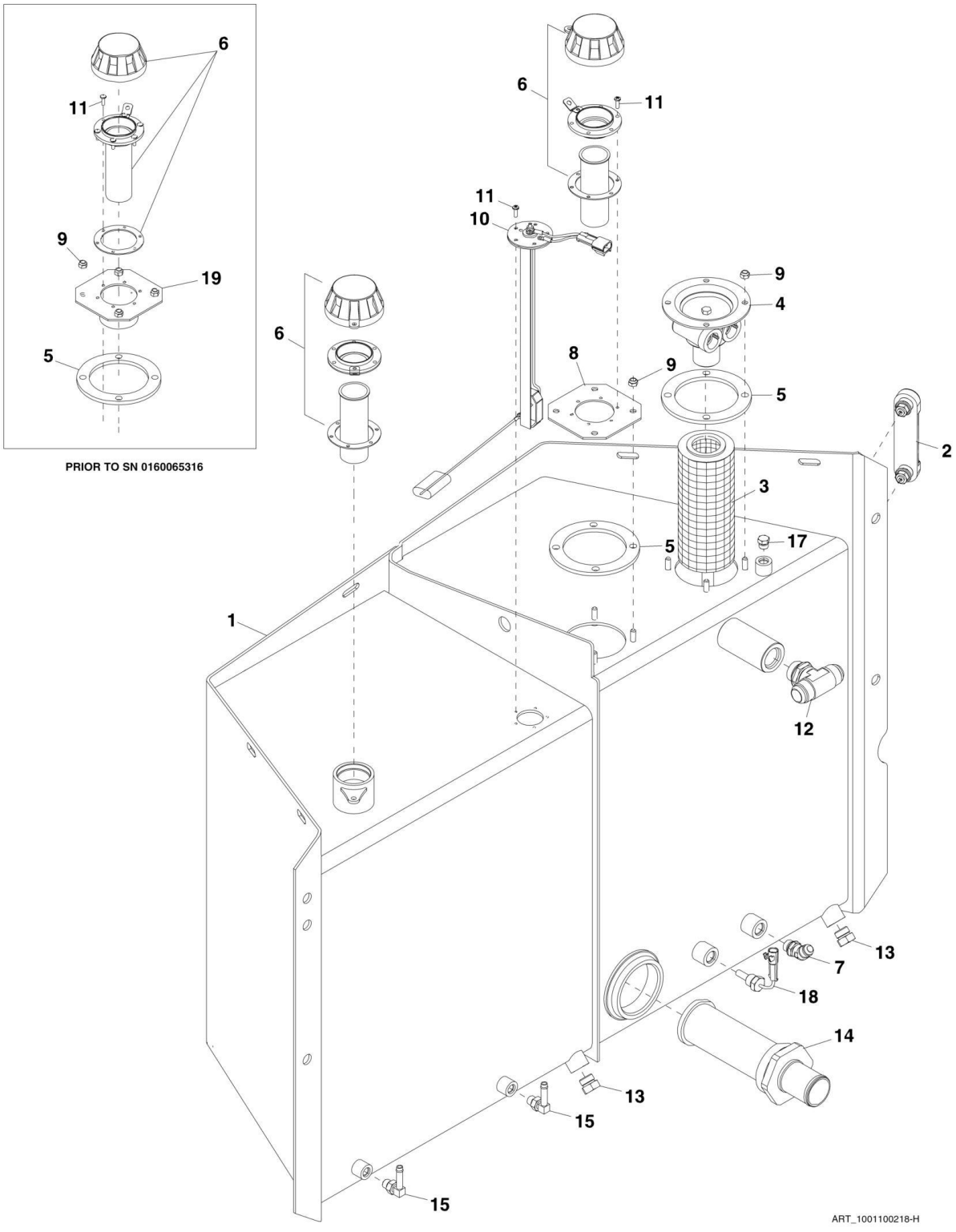


FIGURE 9-18. FUEL/HYDRAULIC TANK ASSEMBLY (SN 0160037238 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100218	1	FUEL/HYDRAULIC TANK ASSY, (includes all items)	H
1	7301862	1	FUEL/HYDRAULIC TANK	
2	7024441	1	SIGHT GAUGE	
3	7301252	1	HYDRAULIC OIL FILTER ELEMENT	
4	1001091752	1	INTAKE FILTER HEAD	
5	7138209	2	HYDRAULIC TANK GASKET	
6	7139077	2	FILLER/BREATHER	
7	2220500	1	ELBOW, 45, (includes o-ring)	
8	7139076	1	PLATE	
9	8305626	8	HEX LOCKNUT, 5/16-18	
10	7118222	1	FUEL SENDER **(Prior to SN 0160065316)**	
10	1001145026	1	FUEL SENDER **(SN 0160065316 to Present)**	
11	8310163	11	PAN HD SCREW, #10-24X5/8	
12	8760552	1	RUN TEE	
13	2220239	2	HEX HD PLUG, (includes o-ring)	
14	7138740	1	SUCTION STRAINER	
14	7029716	1	O-RING	
15	8430034	2	ELBOW, 90, (includes o-ring)	
17	2220237	1	HEX HD PLUG, #6, (includes o-ring)	
18	8223226	1	HYDRAULIC TEMPERATURE SWITCH	
19	1001134961	1	FUEL FILL NECK ADAPTER **(Prior to SN 0160065316)**	

FIGURE 9-19. GRAPPLE BUCKET CYLINDER

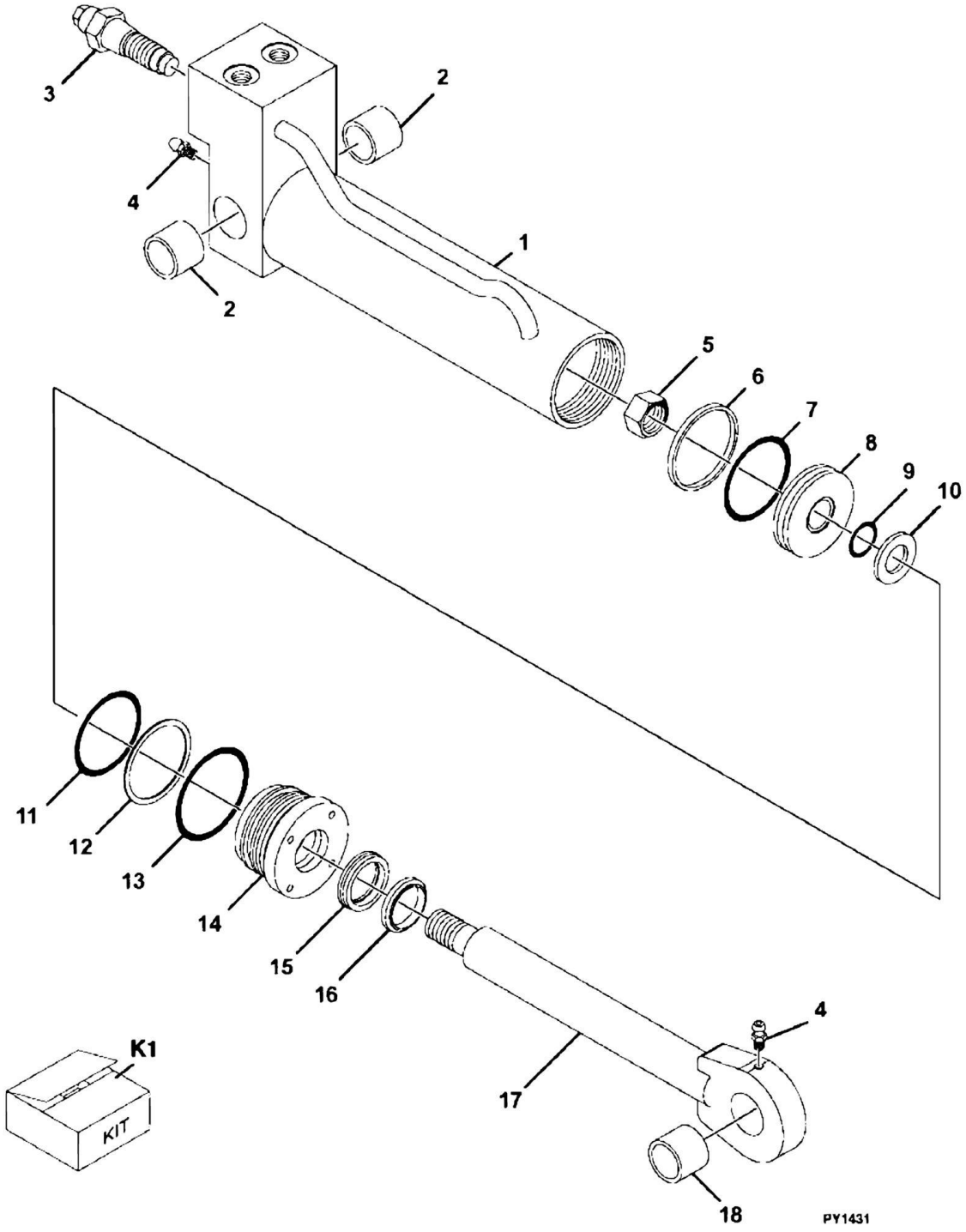


FIGURE 9-19. GRAPPLE BUCKET CYLINDER

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 K1	1	PISTON RING	
7	Kit K1	1	O-RING	
8	70021451	1	PISTON	
9	Kit K1	1	O-RING	
10	70021444	1	WASHER	
11	Kit K1	1	O-RING	
12	Kit K1	1	BACK-UP WASHER	
13	Kit K1	1	O-RING	
14	70021446	1	CYLINDER GLAND	
15	Kit K1	1	POLY-PAK SEAL	
16	Kit K1	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 9-20. SIDE TILT CARRIAGE CYLINDER

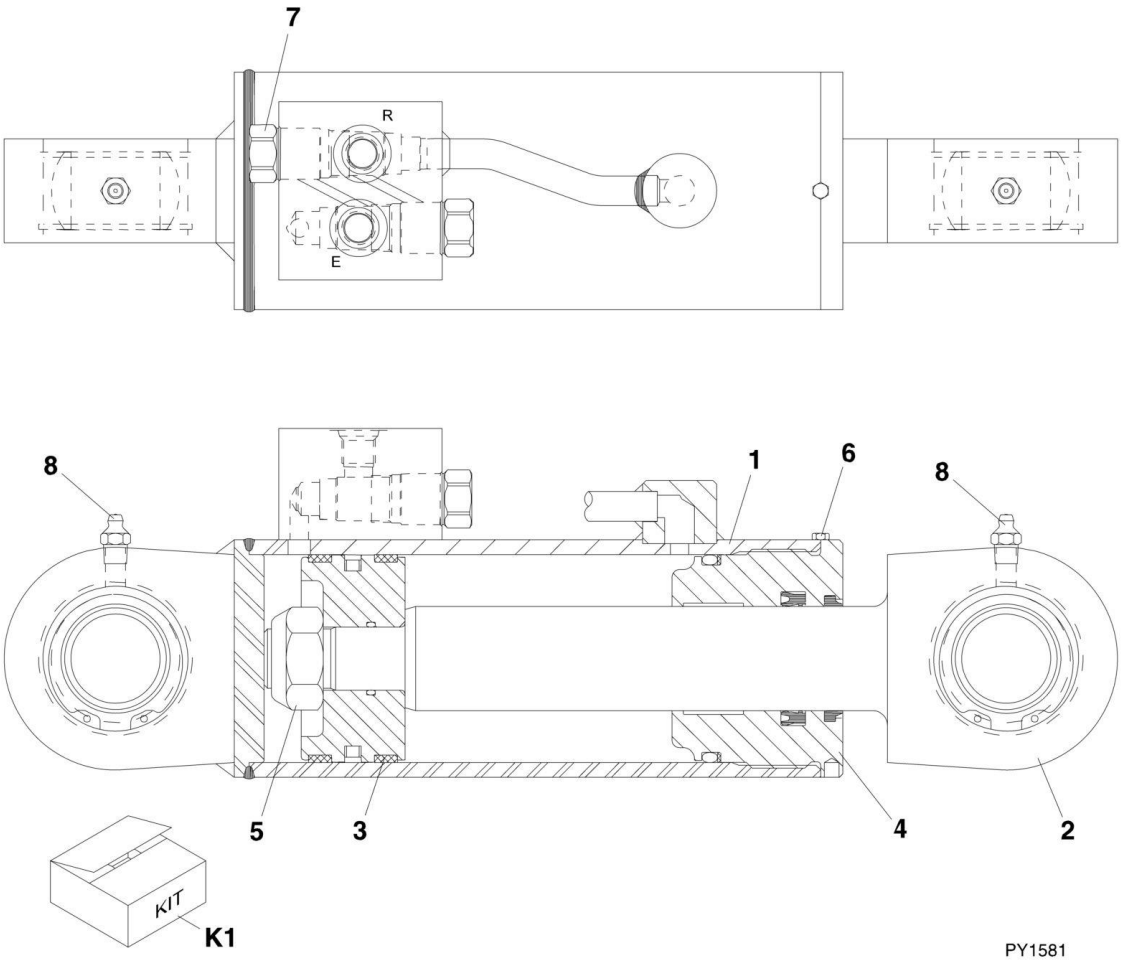


FIGURE 9-20. SIDE TILT CARRIAGE CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001090134	NLA	SIDE TILT CARRIAGE CYLINDER, (no longer available, see items 1 through 8 for service or 1001163414 for replacement)	C
1	70022038	1	BARREL ASSY	
2	70022039	1	ROD ASSY	
3	70022040	1	PISTON	
3	70022042	1	SEAL KIT	
4	70021908	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	1	SEAL KIT, (contains 70022042 & 70022043)	

FIGURE 9-21. SIDE TILT CARRIAGE CYLINDER

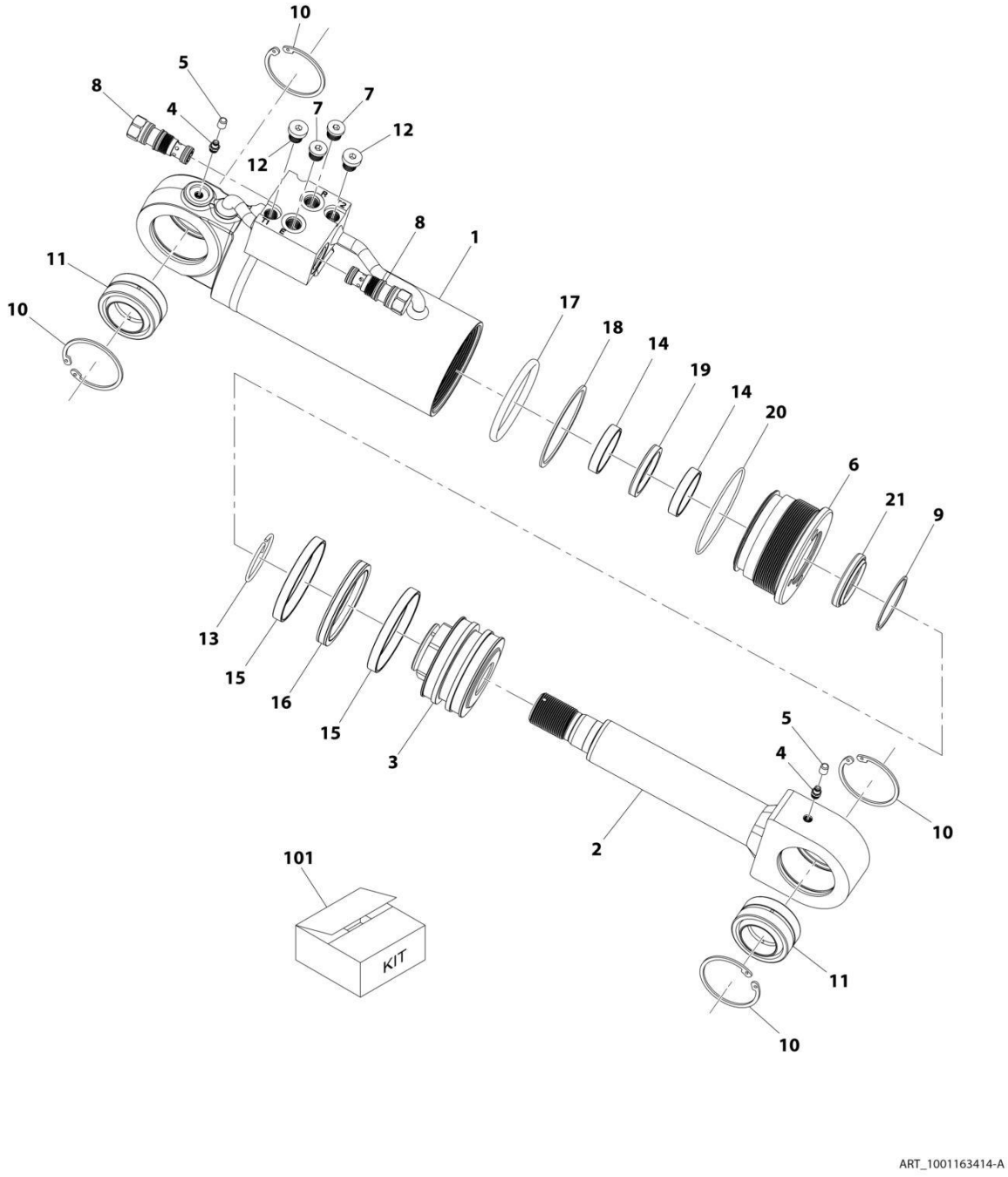


FIGURE 9-21. SIDE TILT CARRIAGE CYLINDER

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

FIGURE 9-22. 72IN 90, SWING CARRIAGE CYLINDER

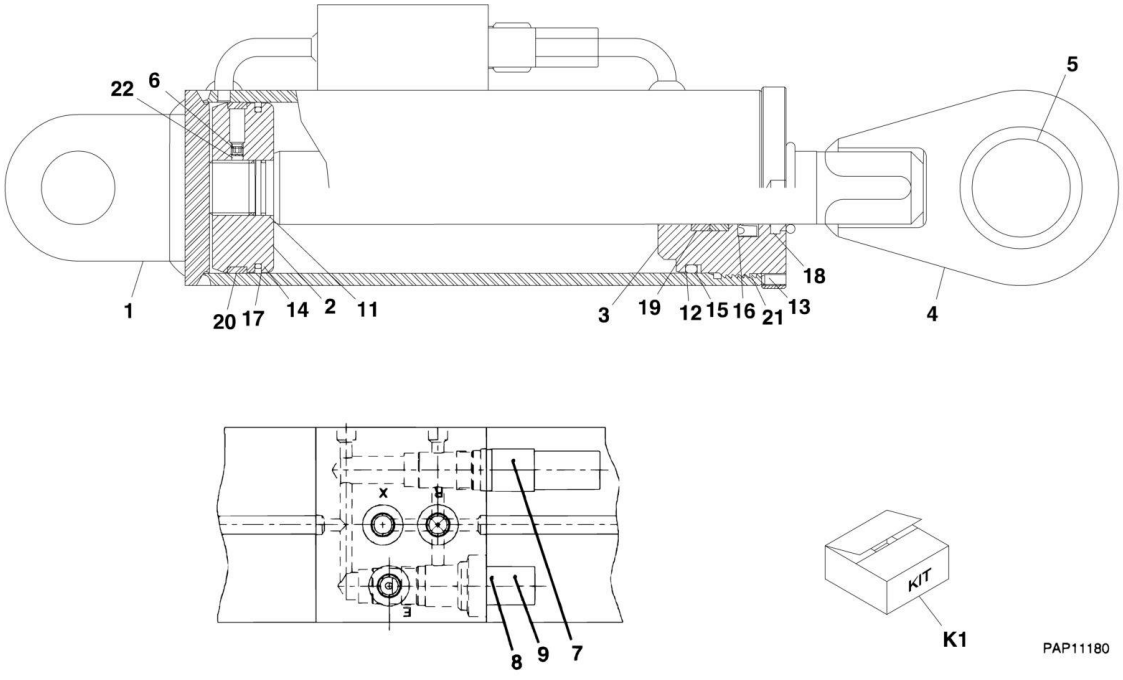


FIGURE 9-22. 72IN 90, SWING CARRIAGE CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103182	1	SWING CARRIAGE CYLINDER, (includes items 1 thru 22)	B
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 2000psi)	
7	7024574	1	SEAL KIT	
8	8033786	1	COUNTER BALANCE VALVE, (preset to 3000psi)	
8	8205655	1	SEAL KIT	
9	70021812	1	TAMPERPROOF CAP	
11	Kit K1	1	O-RING	
12	Kit K1	1	O-RING	
13	Kit K1	1	O-RING	
14	Kit K1	1	SQUARE RING	
15	Kit K1	1	BACKUP RING	
16	Kit K1	1	SEAL	
17	Kit K1	1	PISTON SEAL	
18	Kit K1	1	ROD WIPER	
19	Kit K1	2	WEARBAND	
20	Kit K1	1	WEARBAND	
21	Kit K1	2	INSERT	
22	Kit K1	2	INSERT	
K1	2915023	1	SEAL KIT, (includes items 11 thru 22)	

FIGURE 9-23. BRAKE VALVE

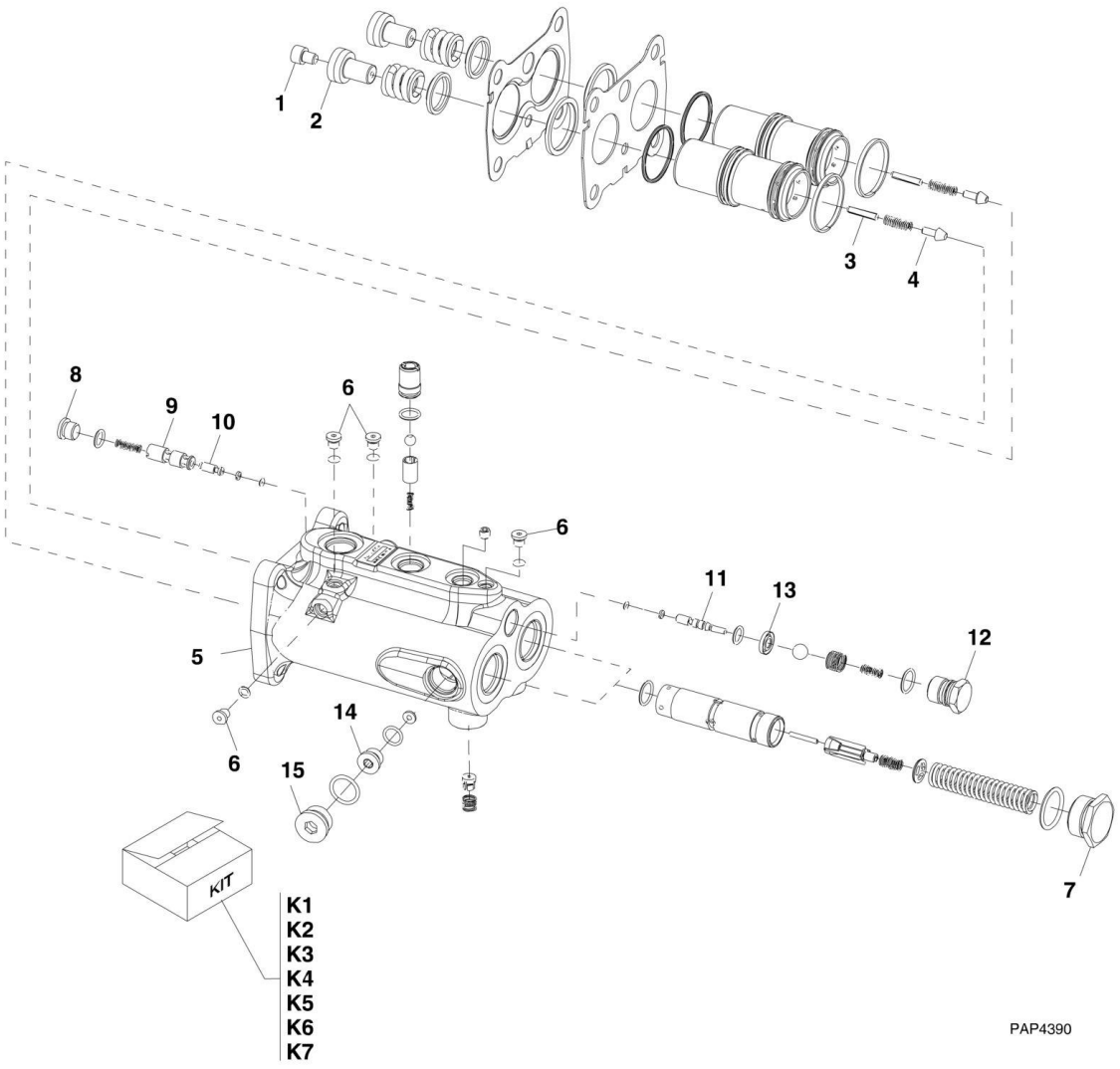


FIGURE 9-23. BRAKE VALVE

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)	C
	1001106845	1	POWER BRAKE VALVE, (information not available at the time of publication)	B
1	91474454	1	BOLT	
2	91474442	2	PIN	
3	70023037	2	PIN	
4	70023038	2	POPPET	
5	N.S.S.	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 9-24. 50IN SIDE SHIFT CARRIAGE CYLINDER

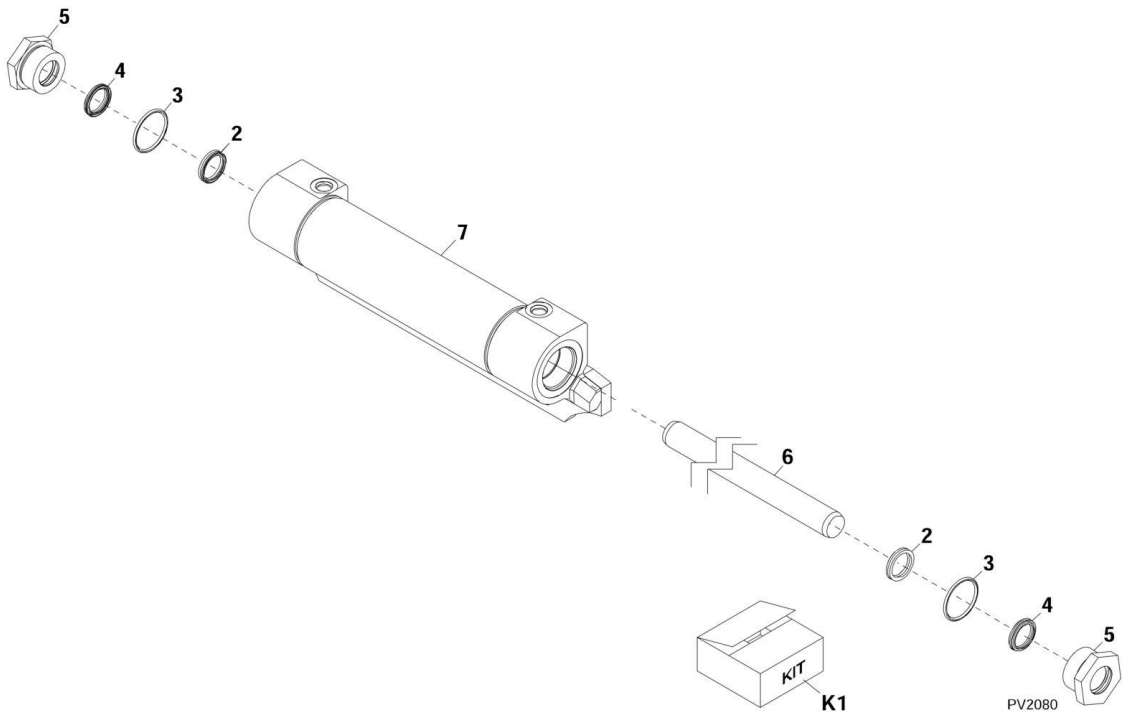


FIGURE 9-24. 50IN SIDE SHIFT CARRIAGE CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70024539	1	50IN SIDE SHIFT CARRIAGE CYLINDER, (includes all items)	B
2	Kit K1	2	ROD SEAL	
3	70024547	2	O-RING	
4	Kit K1	2	ROD WIPER SEAL	
5	70024548	2	RETAINER SEAL	
6	N.S.S.	1	ROD	
7	N.S.S.	1	BARREL	
K1	70024549	1	SEAL KIT, (includes items 2 & 4)	

FIGURE 9-25. SWING CARRIAGE CYLINDER (SN 17019 through 19238)

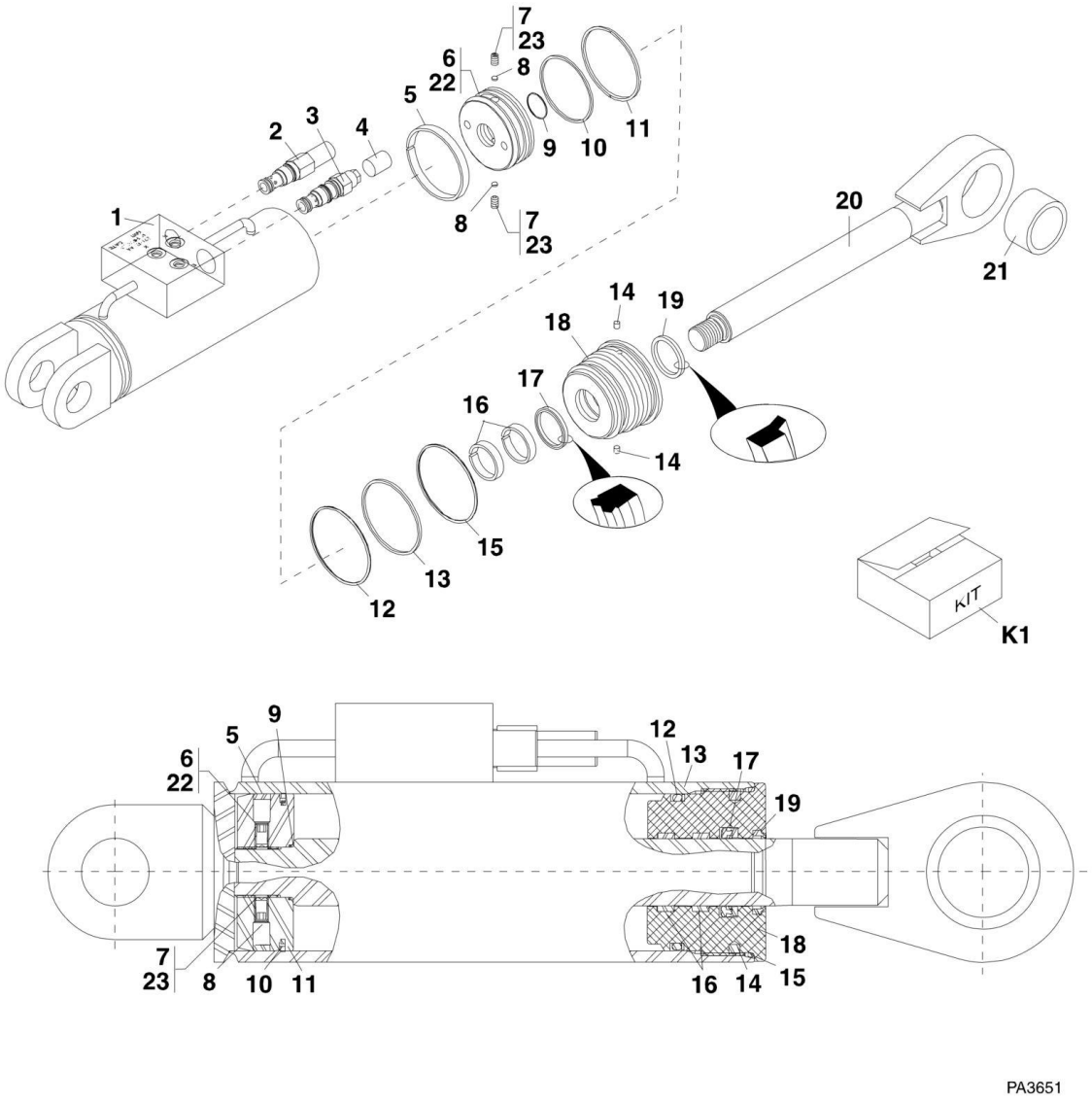


FIGURE 9-25. SWING CARRIAGE CYLINDER (SN 17019 through 19238)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716153	1	SWING CARRIAGE CYLINDER, (includes items 1 thru 21)	AA
1	N.S.S.	1	WELDMENT TUBE	
2	70020428	1	RELIEF VALVE CARTRIDGE, (torque to 30-35 lb-ft)	
2	7024574	1	SEAL KIT	
3	8033786	1	COUNTERBALANCE VALVE, (torque to 30-35 lb-ft)	
3	8025655	1	SEAL KIT	
4	N.S.S.	1	CAP	
5	Kit K1	1	PRECISION WEARBAND	
6	8035863	1	PISTON, (torque to 440-500 lb-ft)	
7	8035536	2	SET SCREW, 5/16-18X.5, (torque to 85-90 lb-in)	
8	Kit K1	2	LOCKING INSERT	
9	Kit K1	1	O-RING	
10	Kit K1	1	SQUARE RING	
11	Kit K1	1	SQUARE SECTION TFE PISTON SEAL	
12	Kit K1	1	O-RING	
13	Kit K1	1	BACK-UP RING	
14	Kit K1	2	LOCKING INSERT	
15	Kit K1	1	O-RING	
16	Kit K1	2	PRECISION WEARBAND	
17	Kit K1	1	DEEP Z-SEAL	
18	8035862	1	HEAD GLAND, (torque to 250-300 lb-ft)	
19	Kit K1	1	WIPER SEAL	
20	8035861	1	WELDMENT ROD	
21	8065062	1	DURALON JOURNAL BEARING	
22	0100019	AR	LOCTITE 271, (apply to item 6)	
23	0100011	AR	LOCTITE 242, (apply to item 7)	
K1	8035830	1	SEAL KIT, (includes items 5, 8 thru 17, 19)	

FIGURE 9-26. SWING CARRIAGE CYLINDER (SN 0160002408 to Present, SN 19239 through 19897)

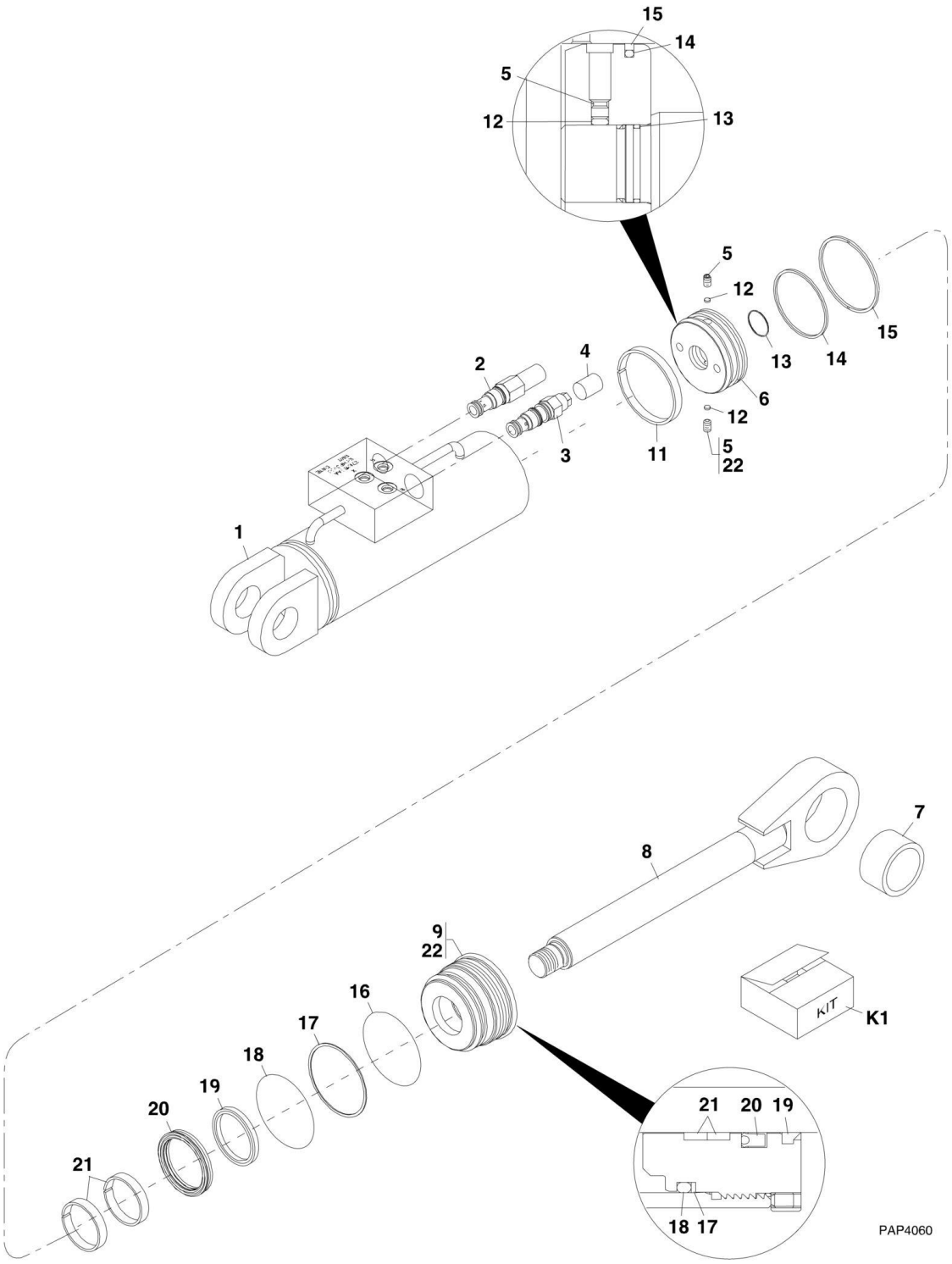


FIGURE 9-26. SWING CARRIAGE CYLINDER (SN 0160002408 to Present, SN 19239 through 19897)

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, 2000PSI, (torque to 30-35 lb-ft)	
2	7024574	1	SEAL KIT	
3	8033786	1	COUNTERBALANCE VALVE, 3000PSI, (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 K1	1	PRECISION WEARBAND	
12	Kit K1	2	NYLON BALL	
13	Kit K1	1	O-RING	
14	Kit K1	1	O-RING	
15	Kit K1	1	PISTON SEAL	
16	Kit K1	1	O-RING	
17	Kit K1	1	BACK UP RING	
18	Kit K1	1	O-RING	
19	Kit K1	1	WIPER RING	
20	Kit K1	1	Z-SEAL	
21	Kit K1	2	PRECISION WEARBAND	
22	0100011	AR	LOCTITE 242, (apply to items 5 & 9)	
K1	8036783	1	SEAL KIT, (includes items 11 thru 21)	

FIGURE 9-27. SIDE TILT CARRIAGE CYLINDER

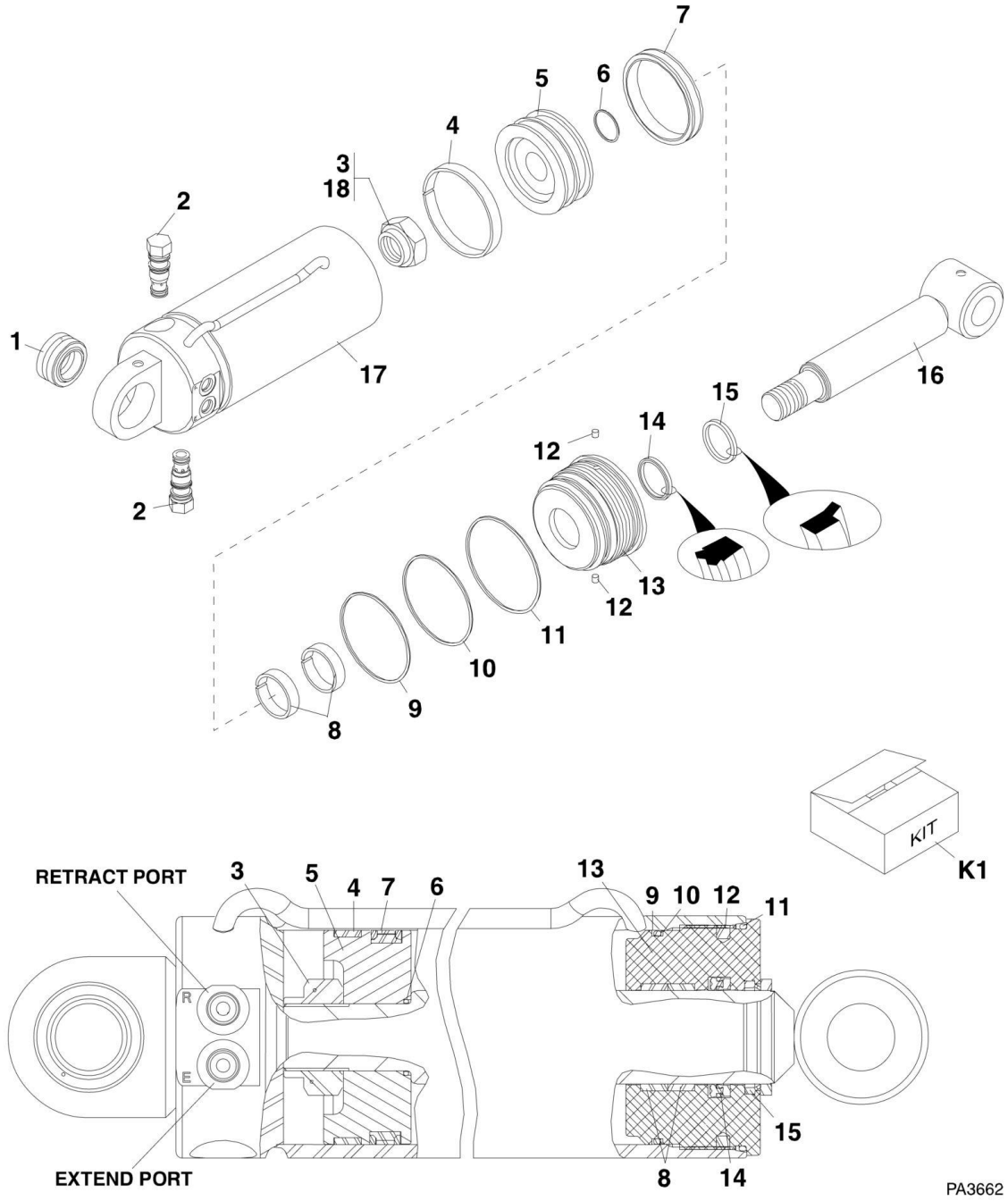


FIGURE 9-27. SIDE TILT CARRIAGE CYLINDER

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	8205655	1	SEAL KIT	
3	8035865	1	LOCKNUT, (torque to 550-650 lb-ft)	
4	Kit K1	1	PRECISION WEARBAND	
5	8035868	1	PISTON	
6	Kit K1	1	O-RING	
7	Kit K1	1	CAPPED T-SEAL	
8	Kit K1	2	PRECISION WEARBAND	
9	Kit K1	1	O-RING	
10	Kit K1	1	BACK-UP RING	
11	Kit K1	1	O-RING	
12	Kit K1	2	LOCKING INSERT	
13	8035867	1	HEAD GLAND, (torque to 300-400 lb-ft)	
14	Kit K1	1	DEEP Z-SEAL	
15	Kit K1	1	WIPER SEAL	
16	8035866	1	WELDMENT ROD	
17	N.S.S.	1	WELDMENT TUBE	
18	0100019	AR	LOCTITE 271, (apply to item 3)	
K1	8035831	1	SEAL KIT, (includes items 4, 6 thru 12, 14 & 15)	

SECTION 10 - ELECTRICAL

FIGURE 10-1. CAB HARNESS (Prior to SN 0160039074)

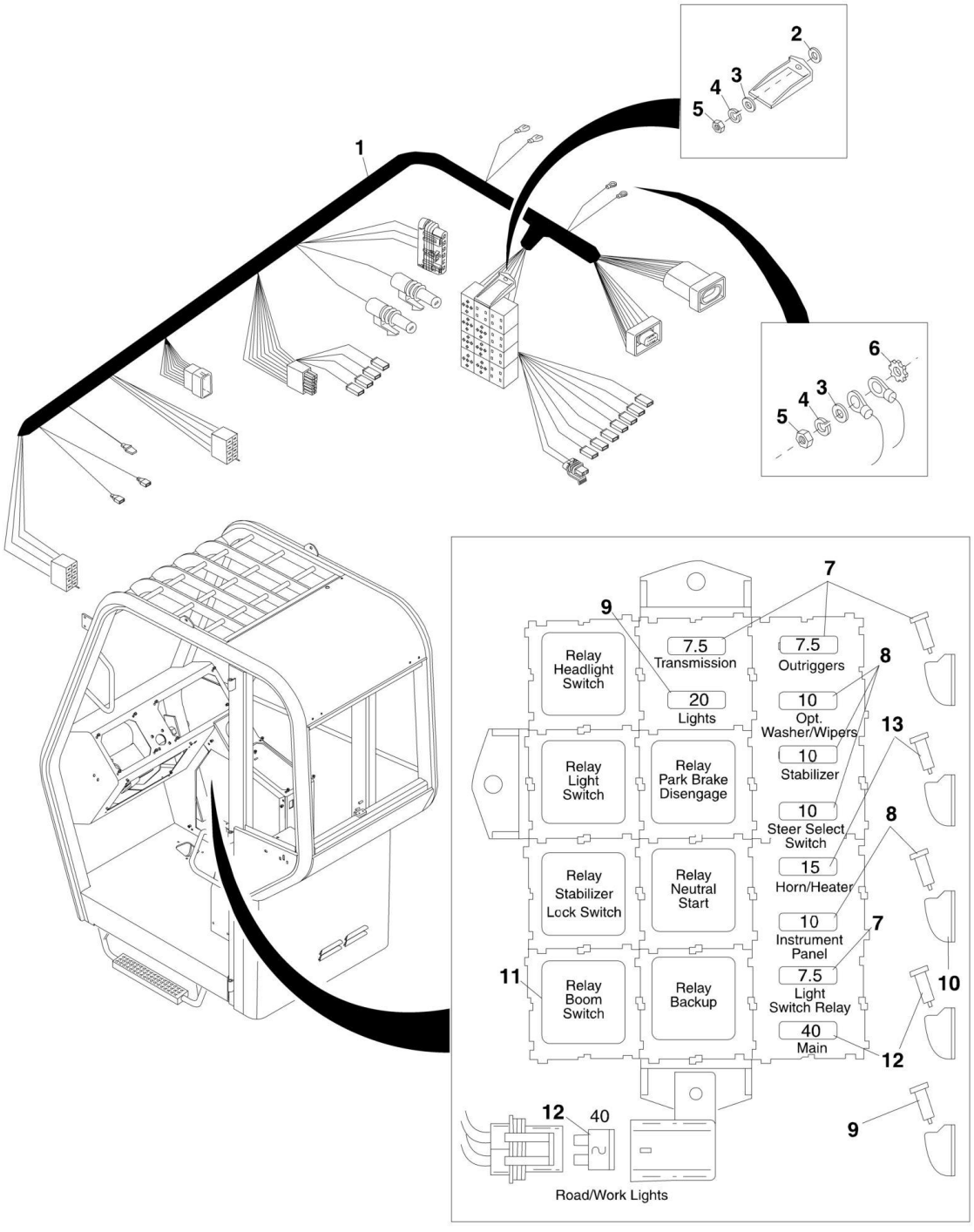


FIGURE 10-1. CAB HARNESS (Prior to SN 0160039074)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7301818	1	CAB HARNESS	E
2	8307106	3	FLAT WASHER, 5/16	
3	8307111	4	FLAT WASHER, #10	
4	8307003	4	LOCKWASHER, #10	
5	8305002	4	HEX NUT, #10-24 NC	
6	8307027	1	LOCKWASHER, 5/16, (external tooth)	
7	8229233	4	FUSE, 7.5 AMP, (Tan)	
8	8229234	5	FUSE, 10 AMP, (Red)	
9	8229235	2	FUSE, 20 AMP, LIGHTS, (Yellow)	
10	8582007	5	SPARE FUSE CLIP	
11	8225119	7	RELAY	
12	8229238	3	FUSE, 40 AMP, (Orange)	
13	8229237	2	FUSE, 15 AMP	

FIGURE 10-2. CAB HARNESS (SN 0160039075 to Present)

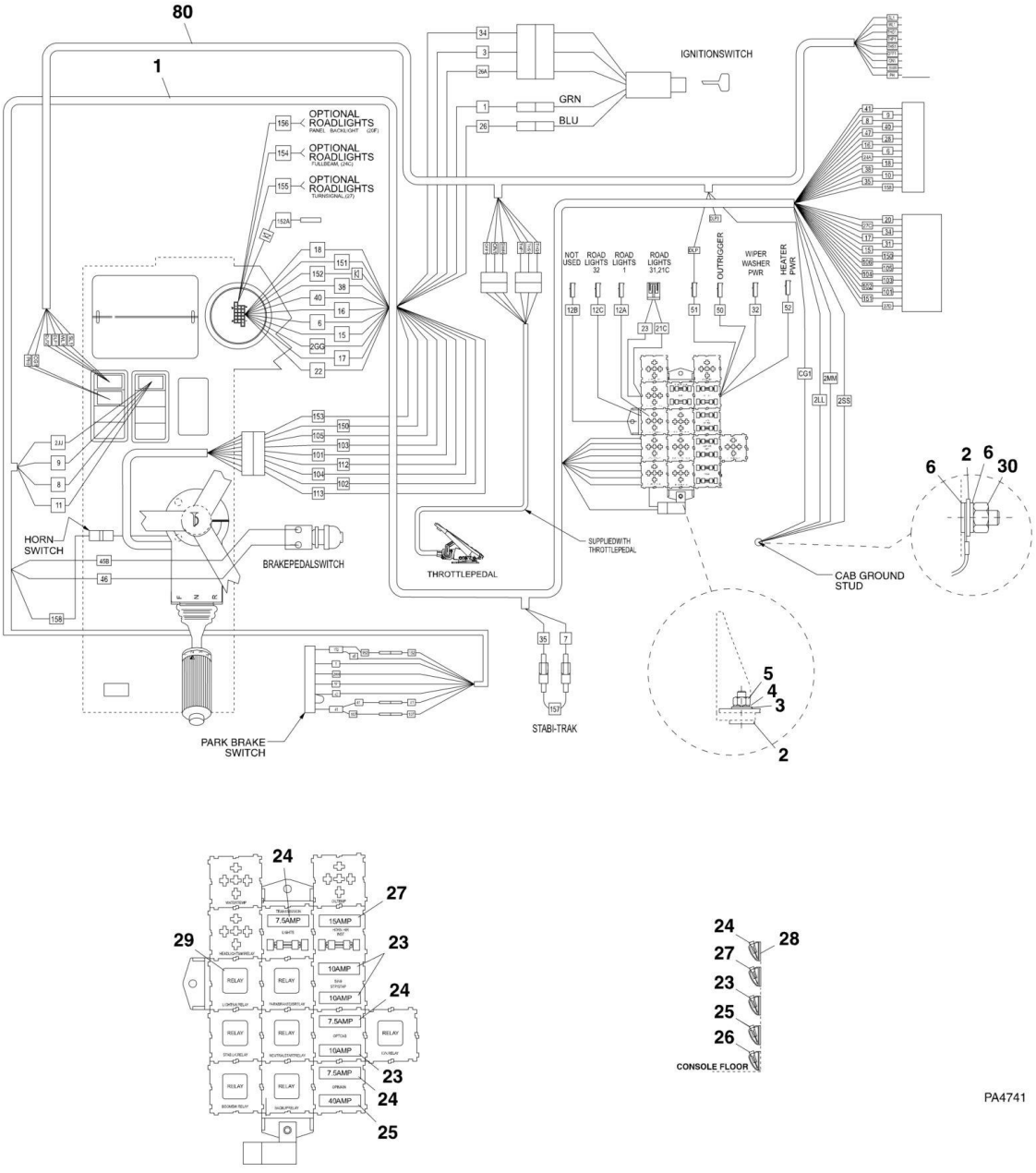


FIGURE 10-2. CAB HARNESS (SN 0160039075 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001104036	1	CONSOLE AND STABILIZER HARNESS	
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	2	LOCKWASHER, 5/16	
23	8229234	4	FUSE, 10 AMP	
24	8229233	4	FUSE, 7.5 AMP	
25	8229238	2	FUSE, 40 AMP	
26	8229235	1	FUSE, 10 AMP	
27	8229237	2	FUSE, 15 AMP	
28	8582007	5	SPARE FUSE CLIP	
29	8225119	9	SEALED RELAY	
30	8305624	3	HEX LOCKNUT, 1/4	
80	1001114579	NLA	CAB HARNESS, (no longer available, order 1001128396 for replacement)	
	1001128396	1	CAB HARNESS	

FIGURE 10-3. ENGINE HARNESS (SN 17019 through 19897, SN 0160002408 through 0160004109)

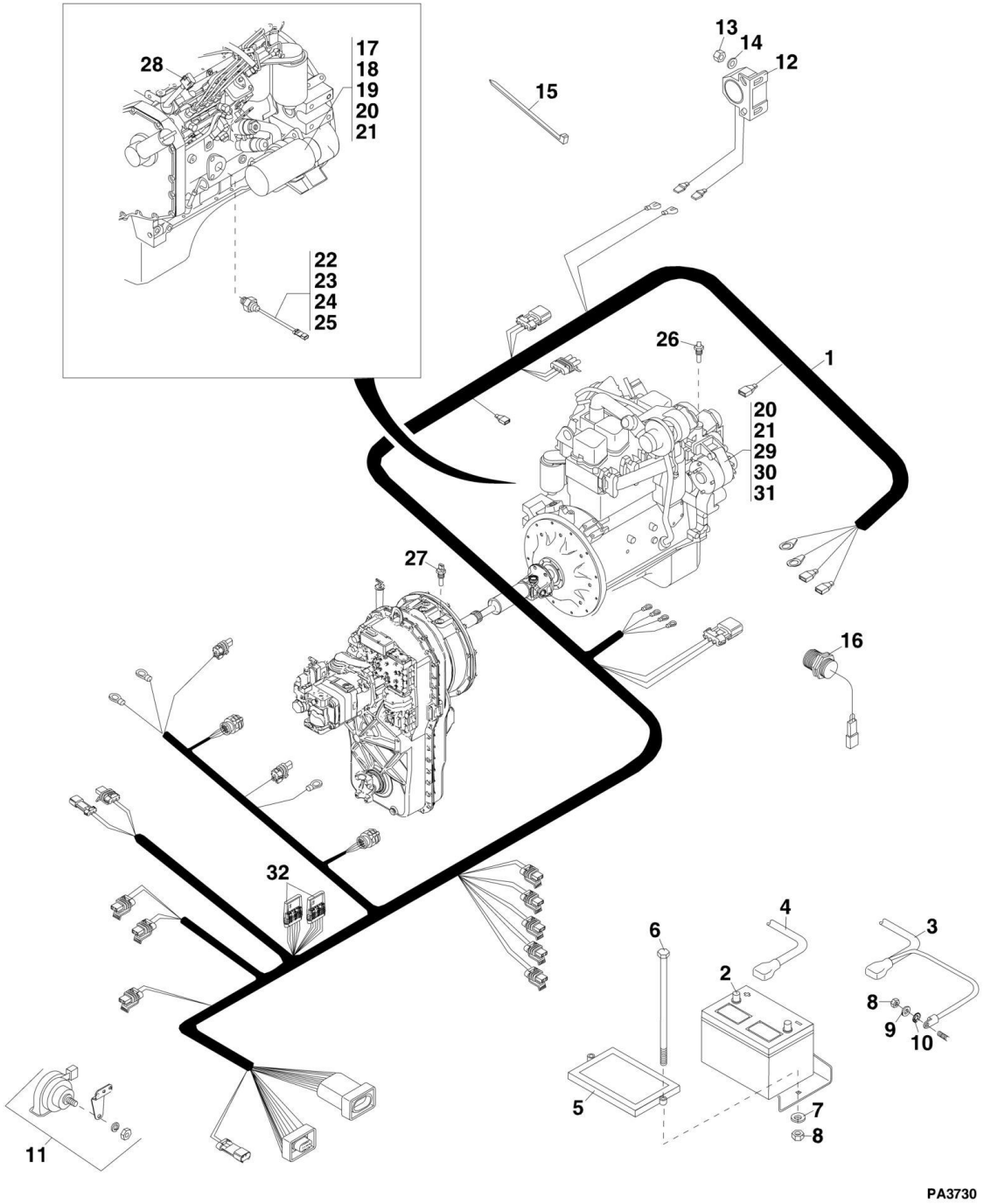


FIGURE 10-3. ENGINE HARNESS (SN 17019 through 19897, SN 0160002408 through 0160004109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7150714	1	ENGINE HARNESS	L
2	8270134	1	12 VOLT BATTERY	
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	8307112	1	FLAT WASHER, 1/2	
10	10701363	1	LOCKWASHER, 5/8, (external tooth)	
11	8270620	1	HORN, (includes mounting hardware)	
13	8305004	2	HEX NUT, 1/4-20	
14	8307002	2	LOCKWASHER, 1/4	
15	8584001	AR	TIE WRAP	
16	7099882	1	BOOM ANGLE SENSOR	
17		Ref	STARTER, (includes starter solenoid), (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
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	8223532	NLA	LOW OIL PRESSURE SENDER, (no longer available, use kit 2915063 on ENGINE HARNESS, SN 0160004111 thru 0160039074 for replacement)	
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 **(SN 17019 through 18340)**	
26	8223242	1	WATER TEMPERATURE SENDER **(SN 18348 through 19897, SN 0160002408 through 0160004109)**	
27	8223232	1	TRANSMISSION TEMPERATURE SWITCH	
28	8035276	1	FUEL RUN SOLENOID	
29		Ref	ALTERNATOR, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
30	8307022	1	LOCKWASHER, M8	
31	8305043	1	HEX NUT, M8-1.25	
32	8035805	2	DIODE PAC	

FIGURE 10-4. ENGINE HARNESS (SN 0160004111 through 0160039074)

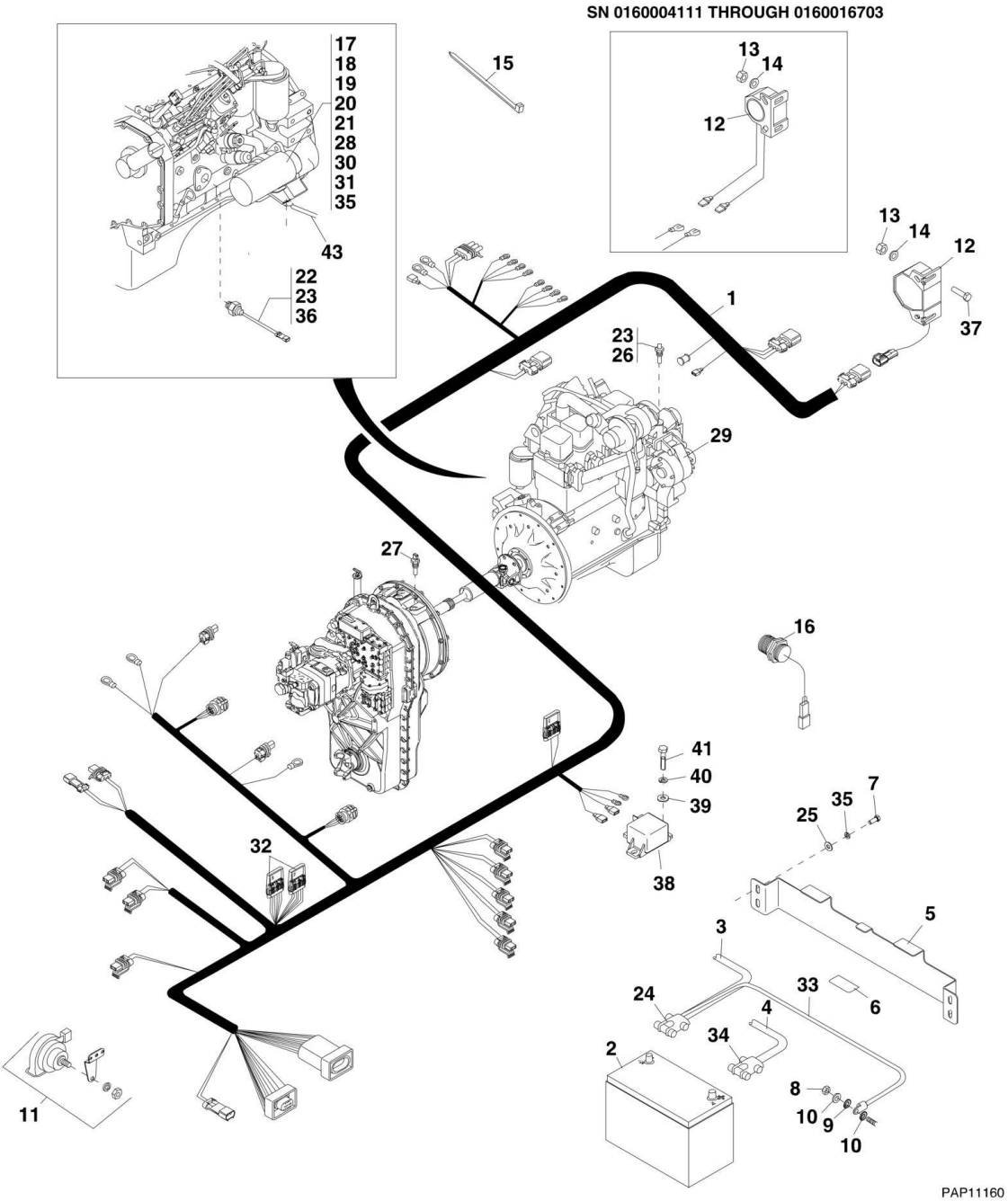


FIGURE 10-4. ENGINE HARNESS (SN 0160004111 through 0160039074)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	4922984	1	ENGINE HARNESS **(SN 0160004111 through 0160012741)**	D
1	4923285	1	ENGINE HARNESS **(SN 0160012742 through 0160014862)**	C
1	4923363	1	ENGINE HARNESS **(SN 0160014880 through 0160039074)**	C
2	8270144	1	12 VOLT BATTERY	
3	7301836	1	SINGLE BATTERY NEGATIVE CABLE	
4	7301835	1	SINGLE BATTERY POSITIVE CABLE	
5	7301859	1	BATTERY TIE DOWN SHEET	
6	7301864	2	FOAM STRIP	
7	8303620	4	HEX HD CAPSCREW, 3/8-16X1, GR5	
8	8305645	1	LOCKNUT, 3/8	
9	8307110	1	FLAT WASHER, 3/8	
10	8307026	2	LOCKWASHER, 3/8, (external tooth)	
11	8270620	1	HORN, (includes mounting hardware)	
12	8270621	1	BACK-UP ALARM **(SN 0160016726 to Present)**	
13	8305624	2	HEX LOCKNUT, 1/4	
14	4711400	2	WASHER, 1/4	
15	8584001	AR	TIE WRAP	
16	7099882	1	BOOM ANGLE SENSOR	
17		Ref	STARTER, (includes starter solenoid), (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
18	7300344	1	BUS BAR	
19	8303533	1	HEX HD CAPSCREW, M12X1.75X20MM, PC8.8	
20	8307220	1	PLAIN WASHER, M12	
21	8310650	1	LOCKWASHER, M12	
22	8223532	NLA	LOW OIL PRESSURE SENDER, (no longer available, use kit 2915063 for replacement) **(SN 0160004111 through 0160012741)**	
22	4360609	1	LOW OIL PRESSURE SENDER **(SN 0160012742 through 0160039074)**	
23	8220073	2	TAB FASTON TERMINAL	
24	8270147	1	NEGATIVE BATTERY CLAMP	
25	8307204	4	PLAIN WASHER, 3/8	
26	8223244	1	WATER TEMPERATURE SENDER	
27	8223232	1	TRANSMISSION TEMPERATURE SWITCH	
28	8305038	2	HEX NUT, M10	
29		Ref	ALTERNATOR, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
30	8303777	2	HEX HD CAPSCREW, M10X1.5X35MM, PC8.8	
31	8307221	4	PLAIN WASHER, M10	
32	8220366	3	DIODE PAC	
33	4923018	1	FRAME GROUND CABLE	
34	8270148	1	POSITIVE BATTERY CLAMP	
35	8307023	2	LOCKWASHER, M10	
36	4923283	1	PRESSURE SWITCH JUMPER **(SN 0160012742 through 0160039074)**	
37	0641406	2	HEX HD CAPSCREW, 1/4-20X3/4 **(SN 0160016726 to Present)**	
38	77383377	1	STARTER RELAY **(SN 0160014880 to Present)**	
39	4711400	2	WASHER, 1/4 **(SN 0160014880 to Present)**	
40	8307002	2	LOCKWASHER, 1/4 **(SN 0160014880 to Present)**	
41	0641410	2	HEX HD CAPSCREW, 1/4-20X1-1/4 **(SN 0160014880 to Present)**	
42	8307005	4	LOCKWASHER, 3/8	
43	7310012	1	FUSIBLE LINK ASSY	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
K1	2915063	1	PRESSURE SWITCH KIT, (includes items 22 & 36)	
K2	2915184	1	BACK-UP ALARM SERVICE KIT, (includes items 12 thru 14, 37, mounting bar, 3576433 and butt connectors, 86683480)	

FIGURE 10-5. ENGINE HARNESS (SN 0160039075 to Present)

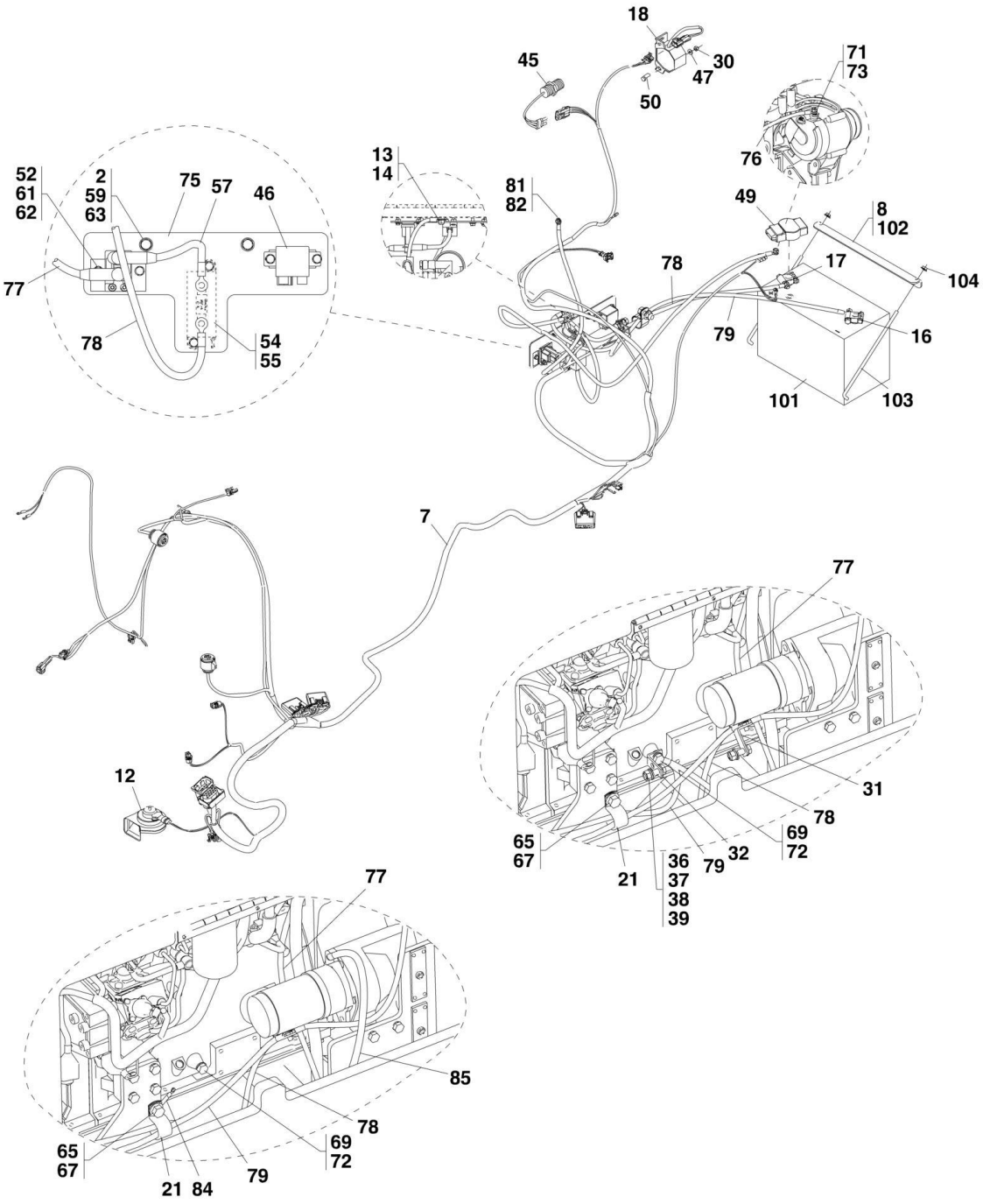


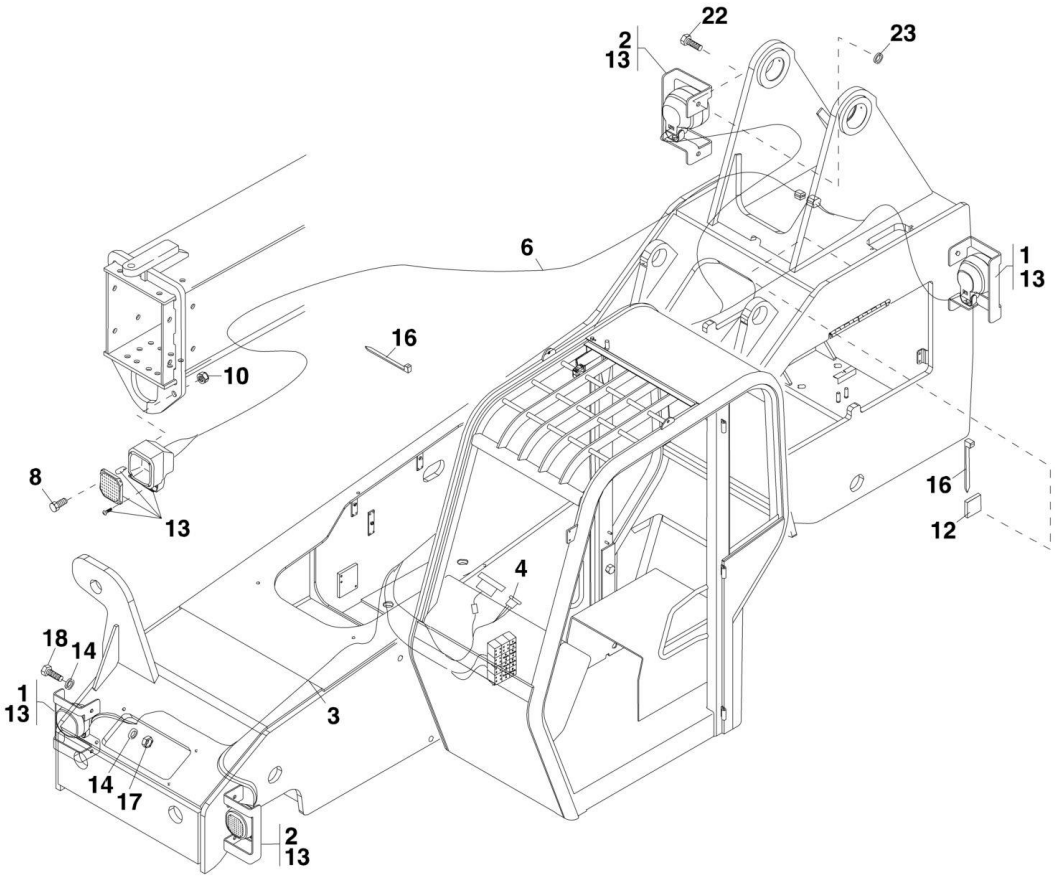
FIGURE 10-5. ENGINE HARNESS (SN 0160039075 to Present)

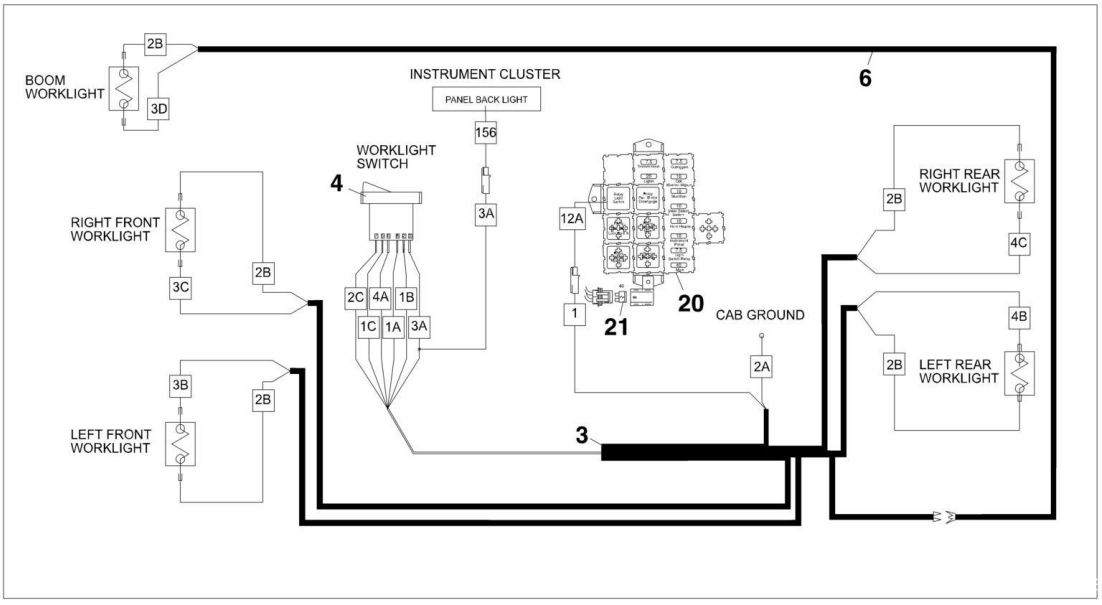
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
2	8307106	2	WASHER, 5/16	
7	1001128397	1	ENGINE HARNESS	
8	1001108206	1	BATTERY HOLD DOWN INSTALLATION, (includes items 101 thru 104)	B
12	8270620	1	HORN	
13	8305645	1	LOCKNUT, 3/8	
14	8307110	1	FLAT WASHER, 3/8	
16	8270147	1	BATTERY CLAMP, NEGATIVE	
17	8270148	1	BATTERY CLAMP, POSITIVE	
18	8270621	1	BACK UP ALARM	
21	8406302	2	HOSE CLAMP	
30	8305624	3	HEX LOCKNUT, 1/4-20	
31	6621412	1	STARTER TERMINAL **(Prior to SN 0160041320, Excluding 0160040970)**	
32	7300344	1	BUSS BAR **(Prior to SN 0160041320, Excluding 0160040970)**	
36	8303777	2	HEX HD CAPSCREW, 10X1-1/2X35MM **(Prior to SN 0160041320, Excluding 0160040970)**	
37	8307221	4	WASHER, 10MM **(Prior to SN 0160041320, Excluding 0160040970)**	
38	8307023	2	LOCKWASHER, 10MM **(Prior to SN 0160041320, Excluding 0160040970)**	
39	8305038	2	HEX NUT, 10MM **(Prior to SN 0160041320, Excluding 0160040970)**	
45	7099882	NLA	BOOM ANGLE SENSOR, (no longer available, use 1001130307 for replacement)	
45	1001130307	1	BOOM ANGLE SENSOR	
46	77383377	1	RELAY, 75 AMP	
47	4711400	2	WASHER, 1/4	
49	7301893	1	BATTERY TERMINAL INSULATOR	
50	0641406	2	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
52	1001117308	1	GRID HEATER RELAY	
54	1001118245	1	FUSE	
55	8229260	1	FUSEBLOCK	
57	1001118129	1	GRID HEATER CABLE, (fuse relay)	
59	8303745	2	HEX HD CAPSCREW, 5/16-18X5/8, GR5	
61	8307219	6	WASHER, 6MM	
62	8303545	6	HEX HD CAPSCREW, 6X1.0X16MM	
63	8307004	2	LOCKWASHER, 5/16	
65	0791810	1	WHIZ-LOCK SCREW, 1/2-13X1-1/4	
67	8310523	1	WHIZ-LOCK NUT, 1/2-13	
69	0761012	1	HEX HD CAPSCREW, 10X25MM, GR8.8	
71	3290801	1	HEX NUT, 8X1-1/4MM	
72	4812000	1	WASHER, 10MM	
73	4831900	1	SPRING LOCKWASHER, 8MM	
75	1001114671	1	RELAY MOUNT BRACKET	
76	1001114480	1	CABLE, (alternator - starter)	
77	1001118107	1	GRID HEATER CABLE	
78	1001114482	1	BATTERY CABLE, (positive)	
79	1001114483	1	BATTERY CABLE, (negative) **(Prior to SN 0160041392, Excluding 0160040970 and 0160041334)**	
79	1001128663	1	BATTERY CABLE, (negative) **(SN 0160041392 to Present, Including 0160040970 and 0160041334)**	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
81	3290601	1	HEX NUT, 6X1MM	
82	4831700	1	SPRING LOCKWASHER, 6MM	
84	1001128665	1	CABLE ENGINE BLOCK GND **(SN 0160041320 to Present, Including 0160040970)**	
85	1001128666	1	CABLE STARTER GND **(SN 0160041320 to Present, Including 0160040970)**	
101	1001101043	1	BATTERY, 12 VOLT	
102	91401281	1	BATTERY HOLD DOWN BRACKET	
103	91081640	2	BATTERY HOLD DOWN BOLT	
104	77143006	2	WHIZ-LOK NUT, 5/16-18	

FIGURE 10-6. WORKLIGHT INSTALLATION



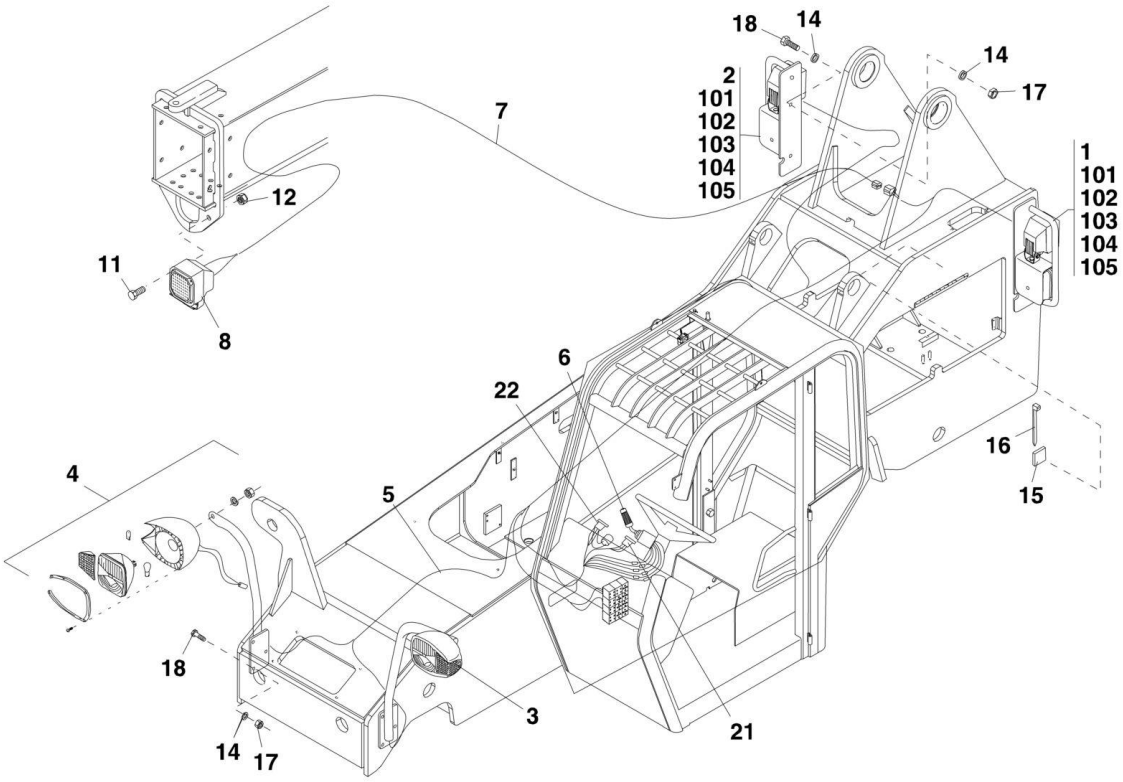


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FIGURE 10-6. WORKLIGHT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7150705	1	WORKLIGHT INSTALLATION, (includes all items)	I
1	7150673	2	WORKLIGHT ASSY, (front left and rear right), (includes item 13)	D
1	1001097080	2	WORKLIGHT BRACKET, (front left and rear right)	
2	7150688	2	WORKLIGHT ASSY, (front right and rear left), (includes item 13)	D
2	1001097079	2	WORKLIGHT BRACKET, (front right and rear left)	
3	7150707	1	WIRE HARNESS	
4	8223059	1	WORKLIGHT SWITCH	
6	7150730	1	BOOM WORKLIGHT HARNESS	
8	8303670	1	HEX HD CAPSCREW, 5/16X1	
10	8305626	1	LOCKNUT, 5/16-18	
12	8584018	2	TIE MOUNT	
13	7150687	NLA	WORKLIGHT, (no longer available, use 1001096314 for replacement) **(SN 14834 through 19988, SN 0160002345 through 0160030567)**	
13	8036216	4	WORKLIGHT LENS SCREW	
13	8036217	NLA	WORKLIGHT LENS, (no longer available, use 1001096314 for replacement) **(SN 14834 through 19988, SN 0160002345 through 0160030567)**	
13	8036218	1	WORKLIGHT HALOGEN BULB	
13	1001096314	1	WORKLIGHT **(SN 0160030568 to Present)**	
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, 7/16-14X2	
23	8310109	4	HEX LOCKNUT, 7/16-14	

FIGURE 10-7. ROADLIGHT INSTALLATION (SN 17019 through 19897, SN 0160002408 through 0160015214)



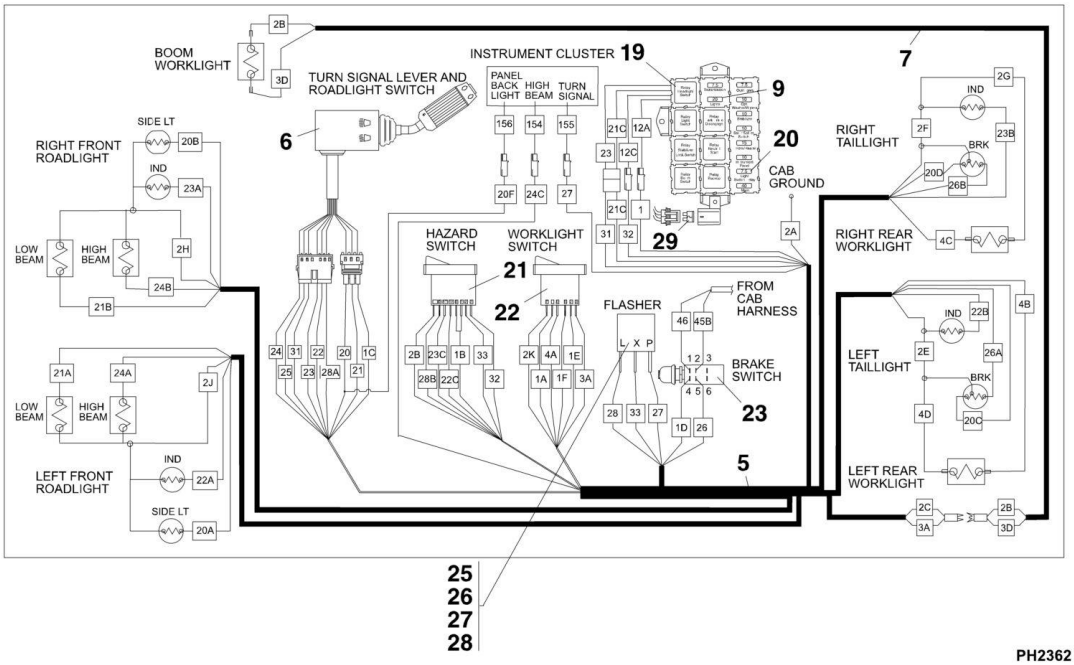


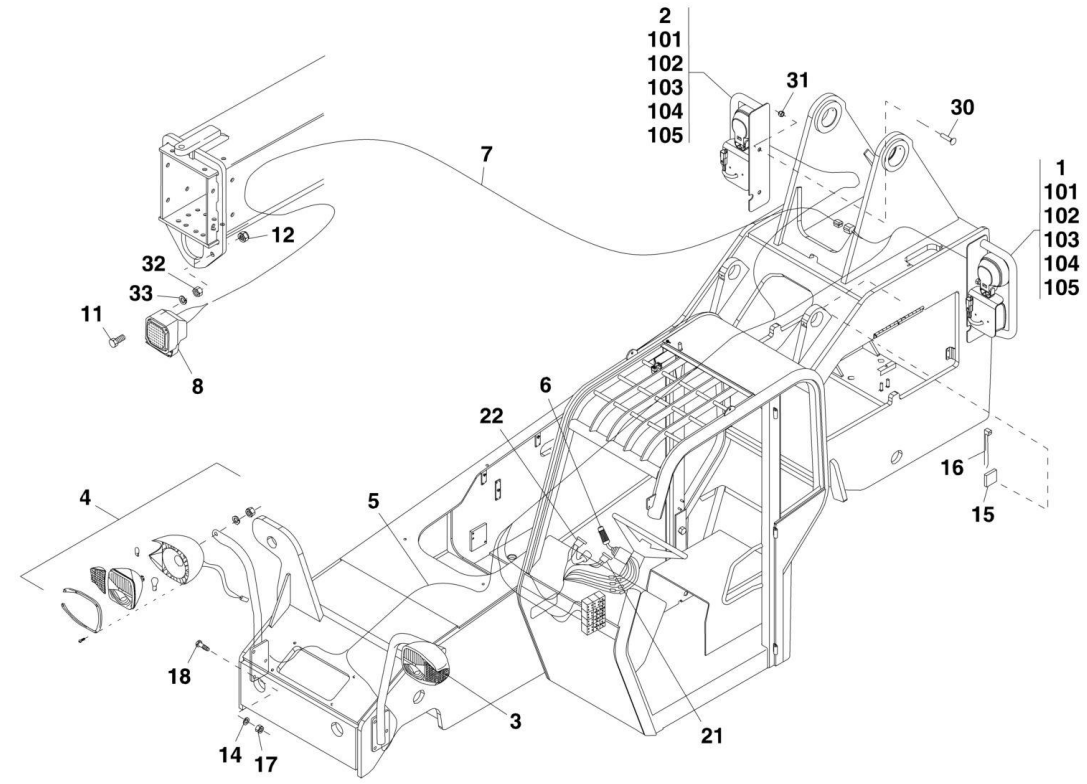
FIGURE 10-7. ROADLIGHT INSTALLATION (SN 17019 through 19897, SN 0160002408 through 0160015214)

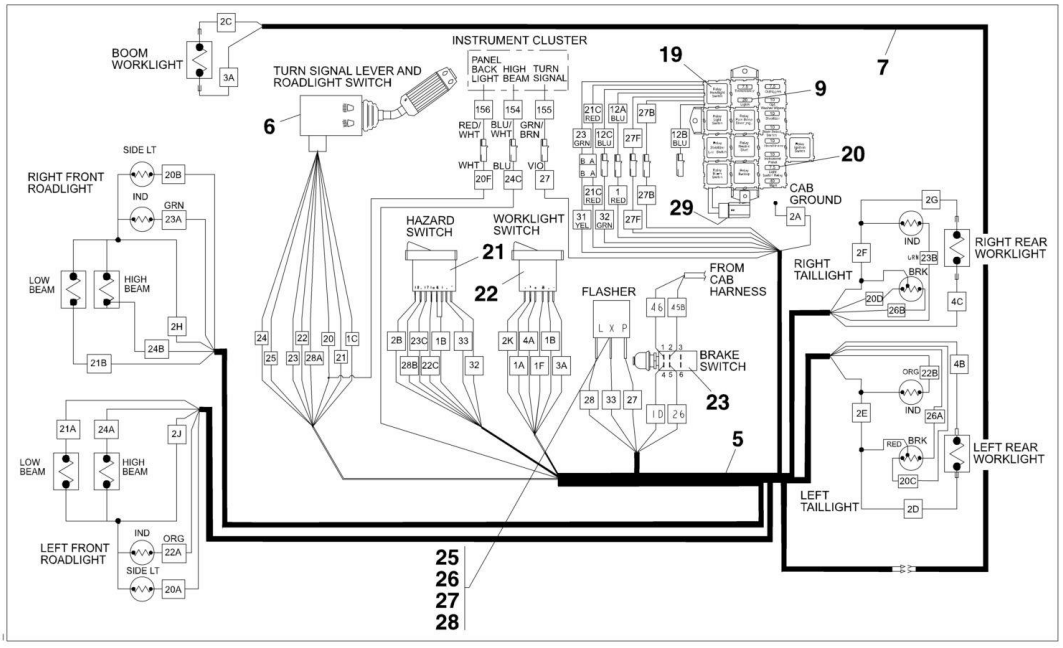
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7148700	1	ROADLIGHT INSTALLATION, (includes items 1 thru 29)	
1	7150679	1	L.H. ROADLIGHT ASSY, (includes items 101 thru 105)	AB
2	7150689	1	R.H. ROADLIGHT ASSY, (includes items 101 thru 105)	AB
3	7150699	1	L.H. ROADLIGHT BRACKET ASSY	
3	7150685	1	L.H. ROADLIGHT BRACKET	
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	R.H. ROADLIGHT BRACKET ASSY	
4	7150717	1	R.H. 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 INSTALLATION, SN 0160015215 to Present for replacement)	
8	8036216	4	WORKLIGHT LENS SCREW	
8	8036217	NLA	WORKLIGHT LENS, (no longer available, use 1001096314 on ROADLIGHT INSTALLATION, SN 0160015215 to Present for replacement)	
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	
27	8310085	2	LOCKNUT, #10-24	
28	8307111	2	WASHER, #10	
29	8229238	1	FUSE, 40AMP	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	7150681	1	L.H. WORKLIGHT BRACKET ASSY	
101	7150680	1	R.H. WORKLIGHT BRACKET ASSY	
102	7150687	NLA	WORKLIGHT, (no longer available, use 1001096314 on ROADLIGHT INSTALLATION, SN 0160015215 to Present for replacement)	
102	8036216	4	WORKLIGHT LENS SCREW	
102	8036217	NLA	WORKLIGHT LENS, (no longer available, use 1001096314 on ROADLIGHT INSTALLATION, SN 0160015215 to Present for replacement)	
102	8036218	1	WORKLIGHT HALOGEN BULB, 12V	
103	7150690	1	TAIL/INDICATOR LIGHT	
103	N.S.S.	2	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 10-8. ROADLIGHT INSTALLATION (SN 0160015215 to Present)





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FIGURE 10-8. ROADLIGHT INSTALLATION (SN 0160015215 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7150704	1	ROADLIGHT INSTALLATION, (includes items 1 thru 33)	K
1	7150679	1	L.H. ROADLIGHT ASSY, (includes items 101 thru 105)	C
2	7150689	1	R.H. ROADLIGHT ASSY, (includes items 101 thru 105)	C
3	7150699	1	L.H. ROADLIGHT BRACKET ASSY	B
3	7150685	1	L.H. 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	R.H. ROADLIGHT BRACKET ASSY	B
4	7150717	1	R.H. 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	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) **(SN 14834 through 19988, SN 0160002345 through 0160030567)**	
8	8036216	4	WORKLIGHT LENS SCREW	
8	8036217	NLA	WORKLIGHT LENS, (no longer available, use 1001096314 for replacement) **(SN 14834 through 19988, SN 0160002345 through 0160030567)**	
8	8036218	1	WORKLIGHT HALOGEN BULB	
8	1001096314	1	WORKLIGHT **(SN 0160030568 to Present)**	
9	8229235	1	FUSE, 20AMP	
11	0641511	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	
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	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
29	8229238	1	FUSE, 40AMP	
30	88411094	4	CARRIAGE BOLT, 7/16-14X2	
31	8310109	4	HEX LOCKNUT, 7/16-14	
32	88501005	1	HEX NUT, 5/16-18	
33	4891600	1	FLAT WASHER, 3/8	
101	7150681	1	L.H. WORKLIGHT BRACKET ASSY	
101	7150680	1	R.H. WORKLIGHT BRACKET ASSY	
102	7150687	NLA	WORKLIGHT, (no longer available, use 1001096314 for replacement) **(SN 14834 through 19988, SN 0160002345 through 0160030567)**	
102	8036216	4	WORKLIGHT LENS SCREW	
102	8036217	NLA	WORKLIGHT LENS, (no longer available, use 1001096314 for replacement) **(SN 14834 through 19988, SN 0160002345 through 0160030567)**	
102	8036218	1	WORKLIGHT HALOGEN BULB	
102	1001096314	1	WORKLIGHT **(SN 0160030568 to Present)**	
103	7150690	1	TAIL/INDICATOR LIGHT	
103	N.S.S.	2	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 10-9. ROTATING BEACON INSTALLATION

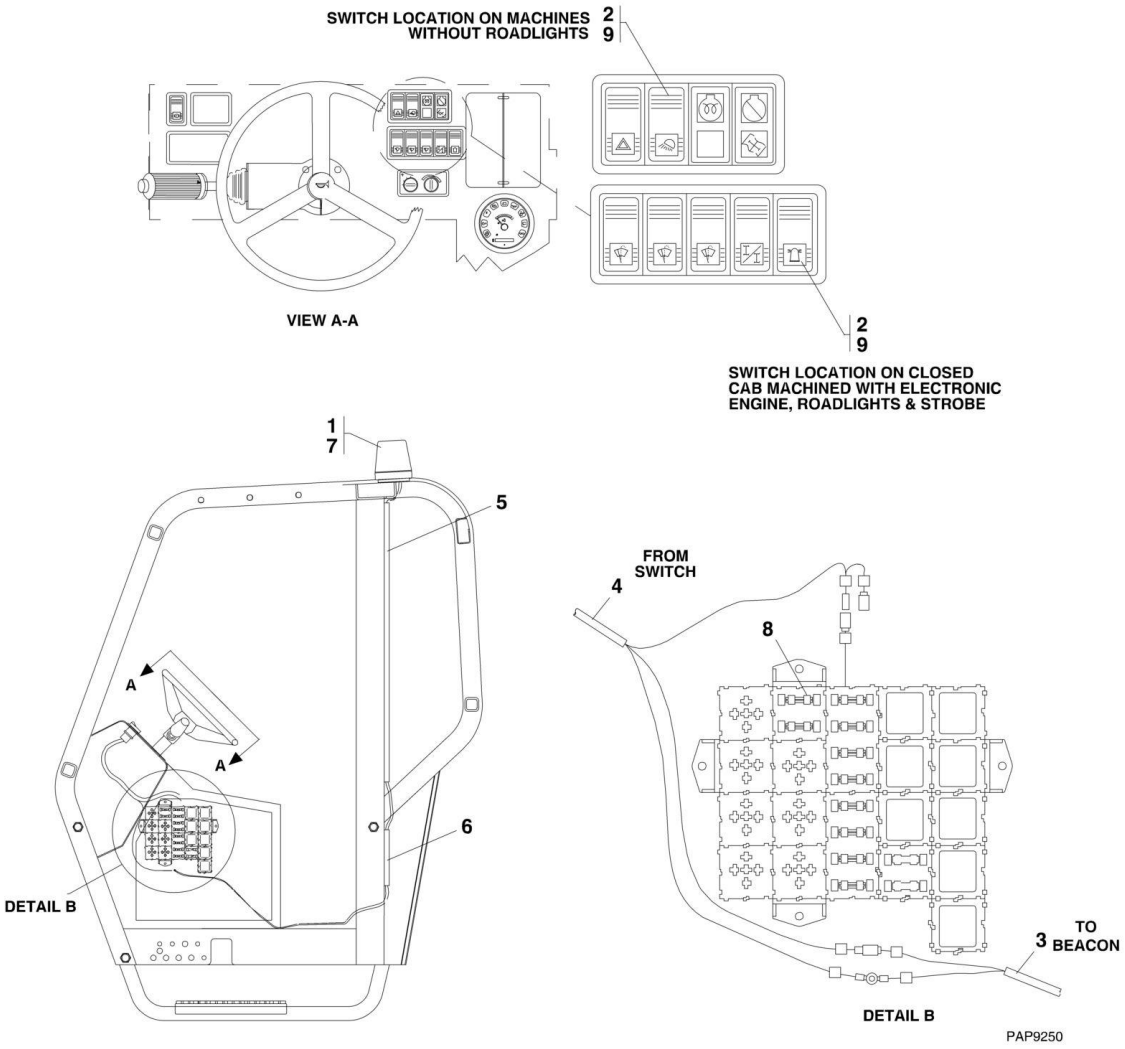


FIGURE 10-9. ROTATING BEACON INSTALLATION

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 only)	
6	8036058	1	LOWER WIRE DUCT, (open cab only)	
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 10-10. IGNITION SWITCH WEATHER KIT (SN 17019 through 19897, SN 0160002408 through 0160023103)

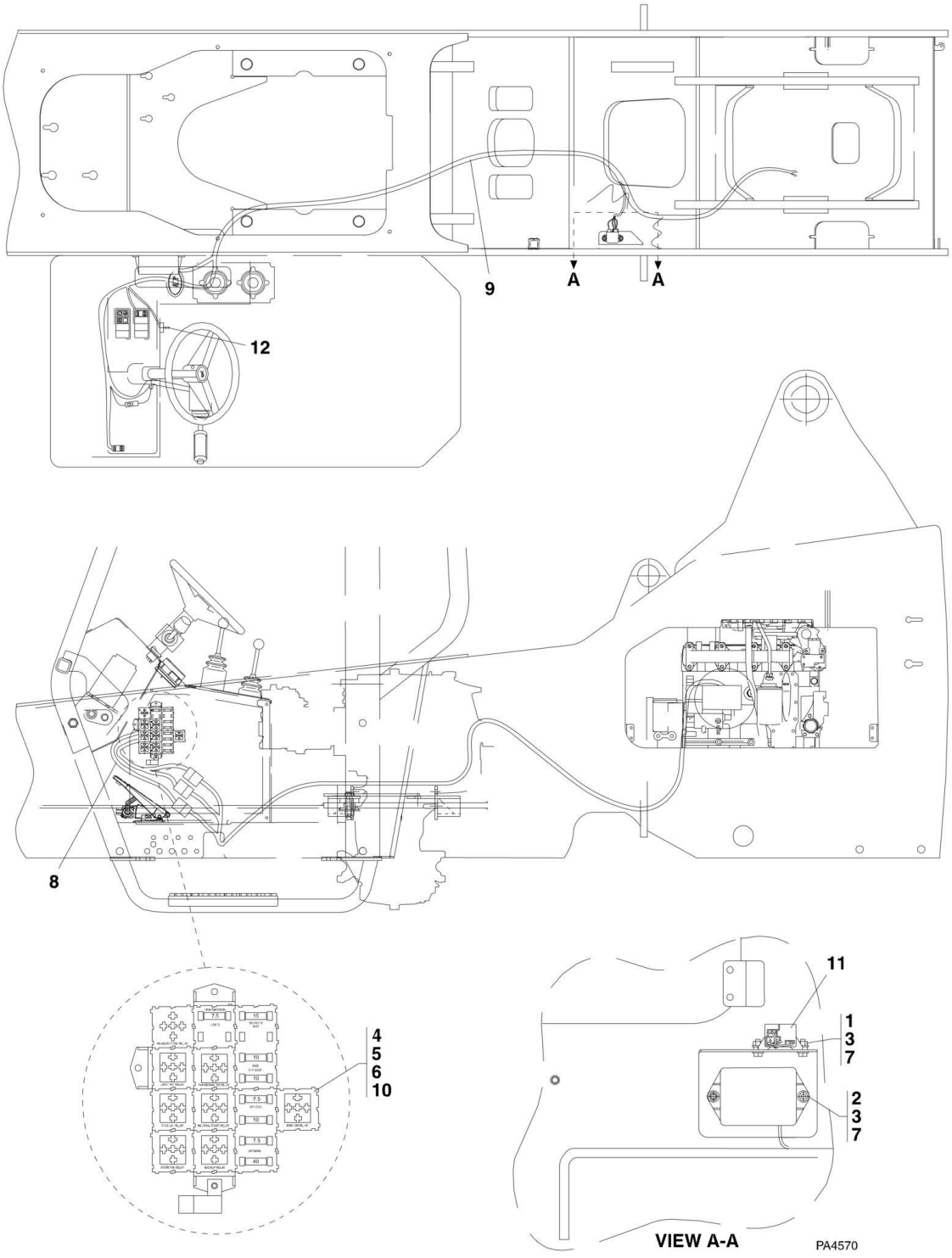


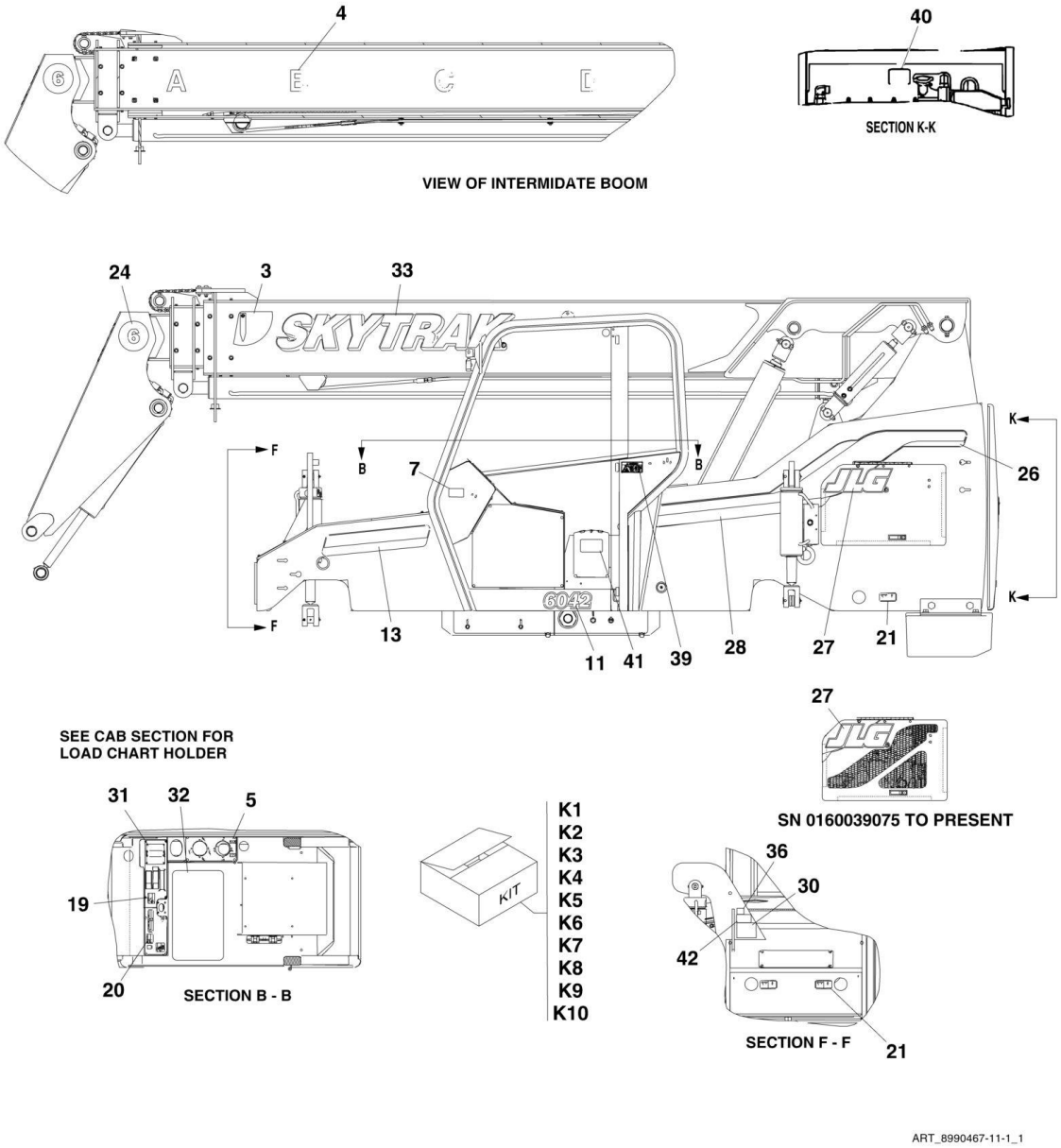
FIGURE 10-10. IGNITION SWITCH WEATHER KIT (SN 17019 through 19897, SN 0160002408 through 0160023103)

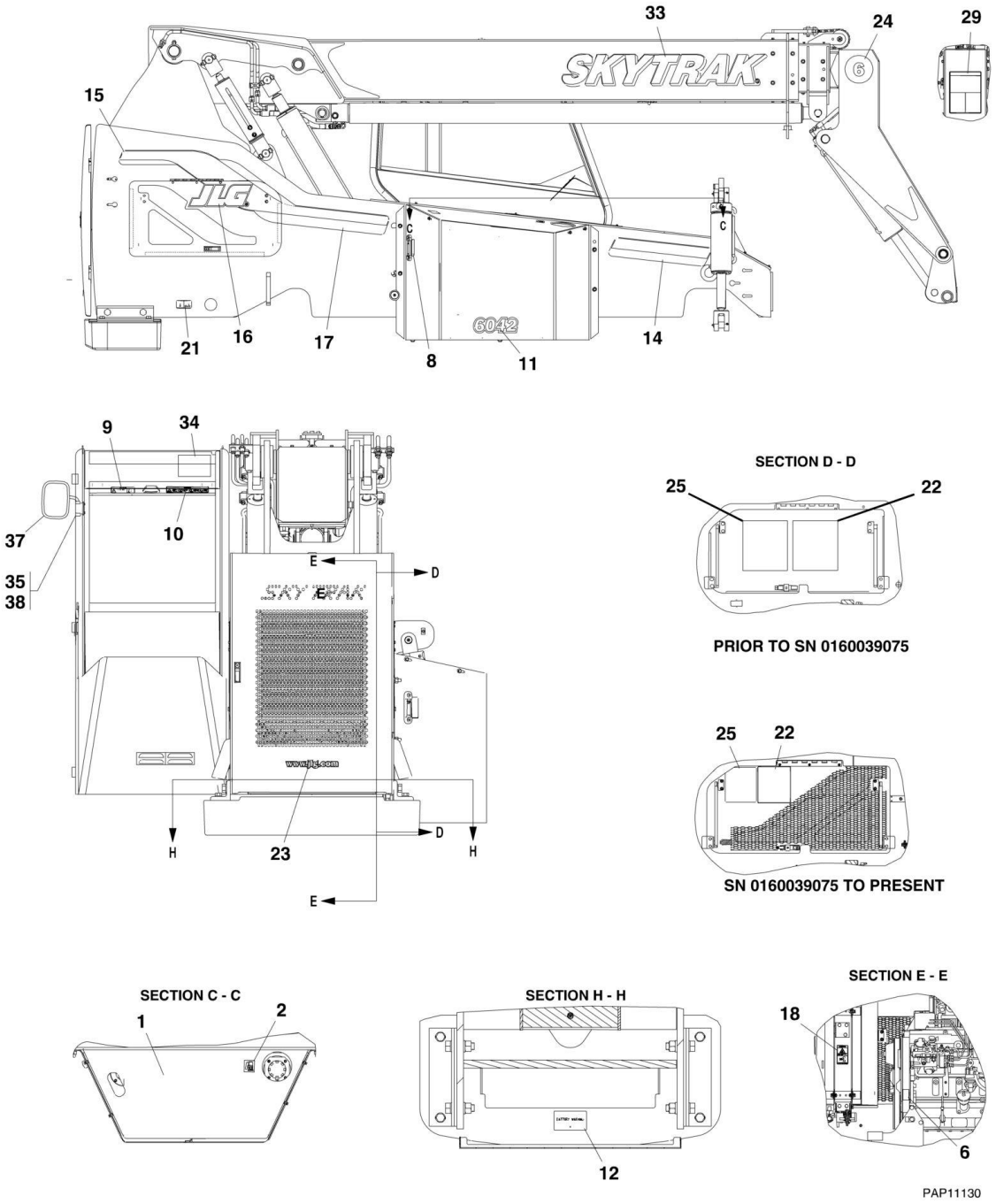
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2915161	1	IGNITION SWITCH REPLACEMENT KIT, (includes all items)	C
1	0641406	2	HEX HD CAPSCREW, 1/4-20X3/4	
2	0903318	1	RELAY MOUNTING BRACKET	
3	3311401	4	HEX NUT, 1/4-20	
4	4461101	1	RELAY MODULE	
5	4461102	1	SECONDARY LOCK	
6	4461103	1	LOCKING WEDGE RELAY	
7	4711400	6	WASHER, 1/4	
8	4923334	1	RETROFIT CAB HARNESS	
9	4923342	1	RETROFIT FRAME HARNESS	
10	8225119	1	RELAY	
11	77383377	1	STARTER RELAY	
12	4360690	1	IGNITION SWITCH	

SECTION 11 - DECALS

SECTION 11 - DECALS

FIGURE 11-1. DECALS




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PRIOR TO SN 0160039075
SN 0160039075 TO PRESENT
SECTION C - C
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SECTION H - H
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SECTION E - E
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SECTION 11 - DECALS

FIGURE 11-1. DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	4100181	1	HYDRAULIC OIL FILL DECAL	
2	4105171	1	DIESEL FUEL FILL DECAL	
3	4105262	1	BOOM ANGLE INDICATOR DECAL	
4	4107442	1	BOOM EXTEND LETTERS DECAL	
5	4107462	1	SIDE CONSOLE DECAL	
6	4107901	1	ENGINE IDLE SETTING DECAL	
7	3251813	1	USA DECAL	
8	4108302	1	HYDRAULIC OIL LEVEL DECAL	
9	1706299	1	ELECTROCUTION HAZARD DECAL, (ANSI)	
9	1706284	1	ELECTROCUTION HAZARD DECAL, (ISO)	
10	1706306	1	TIP HAZARD DECAL, (ANSI)	
10	1706288	1	TIP HAZARD DECAL, (ISO)	
11	1706172	2	DECAL 6042 MODEL NUMBER	
12	1706296	1	BATTERY WARNING DECAL, (ANSI)	
12	1706281	1	BATTERY WARNING DECAL, (ISO)	
13	4110176	1	FRONT FRAME STRIPE L.H. SIDE DECAL	
14	4110177	1	FRONT FRAME STRIPE R.H. SIDE DECAL	
15	4110179	1	REAR FRAME STRIP R.H. SIDE DECAL	
16	1706203	1	R.H. ENGINE DOOR STRIPE DECAL	
17	4110183	1	MID FRAME R.H. SIDE STRIPE DECAL	
18	1706301	2	MOVING PARTS WARNING DECAL, (ANSI)	
18	1706285	2	MOVING PARTS WARNING DECAL, (ISO)	
19	4110187	1	OVERLAY R.H. DECAL, (ANSI)	
19	1001110280	1	OVERLAY R.H. DECAL, (ISO)	
19	1001129767	1	OVERLAY R.H. DECAL, (ISO)	
20	4110188	1	OVERLAY L.H. DECAL, (ANSI)	
20	1001110282	1	OVERLAY L.H. DECAL, (ISO)	
21	4110226	4	LIFT POINT/TIE DOWN DECAL	
22	4110339	1	MAINTENANCE CHART DECAL **(Prior to SN 0160037903)**	
22	1001103930	1	MAINTENANCE CHART DECAL **(Including 0160037903)**	
22	1001109596	1	MAINTENANCE CHART DECAL **(SN 0160037953 to Present)**	
23	1704885	1	WEBSITE DECAL	
24	1706170	NLA	GOOSENECK DECAL, 6, (no longer available)	
25	4110342	1	LUBRICATION CHART 6042 DECAL **(Prior to SN 0160039075)**	
25	1001109598	1	LUBRICATION CHART 6042 DECAL **(SN 0160039075 to Present)**	
26	4110362	1	LEFT REAR FRAME STRIPE DECAL	
27	1706204	1	L.H. ENGINE DOOR STRIPE 6042 DECAL	
28	4110364	1	MID FRAME STRIPE DECAL	
29	1706298	1	CARRY PERSONNEL DECAL, (ANSI)	
29	1706282	1	CARRY PERSONNEL DECAL, (ISO)	
30	N.S.S.	1	SN PLATE	
31	7300719	1	NORTH AMERICA LOAD CHART BOOKLET **(SN 17019 through 19897, SN 0160002408 through 0160019858, Except SN 0160019653 through 0160019655, Excluding 0160019622, 0160019633 and 0160019668)**	
31	1706797	1	NORTH AMERICA LOAD CHART BOOKLET **(SN 0160019944 through 0160037382, SN 0160019653 through 0160019655, Including 0160019622, 0160019633 and 0160019668)**	C
31	1706790	1	COVER	B
31	1706791	1	STANDARD CARRIAGE	B
31	1706792	1	SIDE TILT CARRIAGE	B

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
31	1706793	1	SWING CARRIAGE	B
31	1706794	1	TRUSS BOOM, 12FT	B
31	1706795	1	TRUSS BOOM, 6FT	B
31	1001106013	1	NORTH AMERICA LOAD CHART BOOKLET, (ANSI) **(SN 0160037788 to Present)**	4
31	1001110413	1	NORTH AMERICA LOAD CHART BOOKLET SUPPLEMENT, (ANSI) **(SN 0160037788 to Present)**	C
31	1001127593	1	NORTH AMERICA LOAD CHART BOOKLET, (ISO) **(SN 0160037788 to Present)**	B
31	1001127594	1	NORTH AMERICA LOAD CHART BOOKLET SUPPLEMENT, (ISO) **(SN 0160037788 to Present)**	B
32	10139087	1	ANTI SLIP ADHESIVE STRIP	
33	1706176	2	SKYTRAK BOOM DECAL	
34	91404299	1	ESCAPE DECAL	
35	0700610	2	HEX HD CAPSCREW, M6X1X20MM, PC8.8	
36	1001131271	1	PATENT TELEHANDLERS DECAL	
37	3140007	NLA	RECTANGULAR MIRROR, (no longer available, use 1001148177 for replacement)	
37	1001148177	1	RECTANGULAR MIRROR	
38	1001114675	1	MIRROR MOUNT ARM ASSY	
39	1706768	1	NO RIDERS DECAL, (ANSI)	
39	1001092878	1	NO RIDERS DECAL, (ISO)	
40	1001109053	1	COOLANT FILL DECAL	
41	1701640	1	MANUAL DECAL	
42	1001143852	1	DECAL, LRC EPA	
K1	7302189	1	UNITED RENTALS DECAL KIT	
K2	0274263	1	NATIONS RENT DECAL KIT	
K3	0274271	1	SUNSTATE DECAL KIT	
K4	0274272	1	NES DECAL KIT	
K5	0274039	1	CUSTOMER DECAL KIT	
K6	0274547	1	H AND E DECAL KIT	
K7	1001120632	1	SUNBELT DECAL KIT	
K8	1001098594	1	RSC DECAL KIT	
K9	1001128530	1	HERTZ DECAL KIT	
K10	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
	Note	Ref	**The following list will service fleets of machines (built to current production per date on the front cover) with 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.**	
		Ref	**BOOM ASSEMBLY**	
	2713452	2	Tilt Cylinder Hose	
	2716714	2	Boom Hose	
	7079572	AR	Wear Pad	
	7082311	AR	Insert, Wear Pad	
	7082342	AR	Shim, .07	
	7082362	AR	Shim, .13	
	7096702	AR	Spacer, .50	
	7096882	AR	Spacer, .62	
		Ref	**ENGINE**	
	7138290	1	Engine Filter Kit, 250 Hour **(SN 17019 through 19897, SN 0160002408 through 0160004109)**	
	2915034	1	Engine Filter Kit, 250 Hour **(SN 0160004111 through 0160039074)**	
	1001128968	1	Engine Filter Kit, 250 Hour **(SN 0160039075 to Present)**	
	8024016	1	Engine Filter Kit, 1000 Hour **(SN 17019 through 19897, SN 0160002408 through 0160004109)**	
	2915036	1	Engine Filter Kit, 1000 Hour **(SN 0160004111 through 0160039074)**	
	1001128967	1	Engine Filter Kit, 1000 Hour **(SN 0160039075 to Present)**	
	7139077	2	Filler Breather Assembly	
	8272017	1	Fan **(SN 17019 through 19897, SN 0160002408 through 0160004109)**	
	8272027	1	Fan **(SN 0160004111 through 0160039074)**	
	1001098559	1	Fan **(SN 160039075 to Present)**	
	8080613	1	Fan Belt **(SN 17019 through 19897, SN 0160002408 through 0160004109)**	
	7029270	1	Fan Belt **(SN 0160004111 through 0160039074)**	
	70021852	1	Fan Belt **(SN 0160039075 to Present)**	
		Ref	**DRIVE TRAIN**	
	8223049	1	Transmission Selector Control **(SN 17019 through 19897, SN 0160002408 through 0160015196)**	
	1600429	1	Transmission Selector Control **(SN 0160015215 to Present)**	
	8160080	1	Throttle Cable **(SN 17019 through 19897, SN 0160002408 through 0160004109)**	
	1600373	1	Throttle Cable **(SN 0160004111 through 0160039245)**	
	1319726	1	Transmission Filter	
	1319433	4	Wheel End Bushing **(Prior to SN 0160038919, Excluding 0160033533)**	
	70022241	4	Wheel End Bushing **(SN 0160038919 to Present, Including 0160033533)**	
	1319434	2	Wheel End Seal	
	8036329	4	Wheel Hub Seal **(Prior to SN 0160038919, Excluding 0160033533)**	
	80304173	4	Wheel Hub Seal **(SN 0160038919 to Present, Including 0160033533)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1319472	8	Wheel Hub Bearing	
	1319470	4	Axle Wheel Hub O-Ring **(Prior to SN 0160038919, Excluding 0160033533)**	
	70022203	4	Axle Wheel Hub O-Ring **(SN 0160038919 to Present, Including 0160033533)**	
		Ref	**HYDRAULIC SYSTEM**	
	8224045	1	Boom Joystick Assembly	
	8224047	1	Boom Joystick Assembly	
	8036502	1	Boom Extend/Retract Cylinder Seal Kit	
	8036132	1	Boom Lift/Lower Cylinder Seal Kit	
	8035326	1	Frame Sway Cylinder Seal Kit	
	8035720	1	Attachment Tilt Cylinder Seal Kit	
	8035326	1	Stabil-Trak Cylinder Seal Kit **(SN 17019 through 19299)**	
	8036747	1	Stabil-Trak Cylinder Seal Kit **(SN 19300 through 19897, SN 0160002408 to Present)**	
	8036131	1	Slave Cylinder Seal Kit **(SN 17019 through 19299)**	
	7028739	1	Slave Cylinder Seal Kit **(SN 19300 through 19897, SN 0160002408 to Present)**	
	8035830	1	Swing Carriage Cylinder Seal Kit **(SN 17019 through 19238)**	
	8036783	1	Swing Carriage Cylinder Seal Kit **(SN 19239 through 19897, SN 0160002408 to Present)**	
	2915023	1	Swing Carriage Cylinder Seal Kit	
	8035831	1	Side Tilt Carriage Cylinder Seal Kit	
	8035981	1	Steering Cylinder Seal Kit, (Prior to Axle SN 829694)	
	70021495	1	Steering Cylinder Seal Kit, (Axle SN 829694 to Present)	
	70022178	1	Steering Cylinder Seal Kit **(SN 0160038919 to Present, Including 0160033533)**	
	8320265	1	Hydraulic Filter Element **(Prior to SN 0160002408)**	
	7301252	1	Hydraulic Filter Element **(SN 0160002408 to Present)**	
	7138740	1	Tank Strainer	
	7139077	1	Filler/Breather	
	7024441	1	Fluid Level Sight Gauge	
		Ref	**ELECTRICAL**	
	8223217	1	Engine Coolant Temperature Sender **(SN 17019 through 18340)**	
	8223242	1	Engine Coolant Temperature Sender **(SN 18348 through 19897, SN 0160002408 through 0160004109)**	
	8223244	1	Engine Coolant Temperature Sender **(SN 0160004111 through 0160039074)**	
	8223532	1	Engine Oil Pressure Sender **(SN 17019 through 19897, SN 0160002408 through 0160004109)**	
	8223532	1	Engine Oil Pressure Sender **(SN 0160004111 through 0160012741)**	
	4360609	1	Engine Oil Pressure Sender **(SN 0160012742 through 0160039074)**	
	7118222	1	Fuel Level Sender Assembly	
	8270621	1	Backup Alarm **(SN 160016726 to Present)**	
	4360690	1	Ignition Switch	
	8270221	1	Alternator **(SN 17019 through 19897, SN 0160002408 through 0160004109)**	
	7029268	1	Alternator **(SN 0160004111 through 0160014862)**	
	7029525	1	Alternator **(SN 0160014880 through 0160039074)**	
	70021849	1	Alternator **(SN 0160039075 to Present)**	
	8270620	1	Horn	
		Ref	**MISC.**	

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8035807	1	Ignition Key With Cover	
	8342808	1	Door Key	
	80904003	1	Hydraulic Test Kit	
	8990465	1	Owner/Operator Manual **(SN 17019 through 19897, SN 0160002408 through 0160002345)**	
	3126022	1	Owner/Operator Manual **(SN 0160004111 through 0160037382)**	
	31200352	1	Operation and Safety Manual **(SN 0160037788 to Present)**	
	8990466	1	Service Manual **(Prior to SN 0160039075)**	
	31200353	1	Service Manual **(SN 0160039075 to Present)**	
		Ref	**Special Tools**	
	80304484	1	Pry Bar Set, ZF Axle	
	80304480	1	Two-armed Puller, ZF Axle	
	7025854	1	Two-armed Puller, ZF Axle	
	70010241	1	Threaded Ring, M105X3, ZF Axle	
	70010239	1	Two-armed Puller, 160-150mm, ZF Axle and Transmission	
	70023172	1	Gripping Insert Super, ZF Axle	
	70023173	1	Back-off Insert, Rear ZF Axle	
	70023174	1	Eye Bolt Assortment, ZF Axle and Transmission	
	70022872	1	Internal Extractor, 45-58mm, ZF Axle and Transmission	
	70022873	1	Internal Extractor, 70-100mm, ZF Axle	
	70022871	1	Counter Support, Rear, ZF Axle and Transmission	
	7029740	1	Driver, ZF Axle	
	7029739	1	Driver, ZF Axle	
	7029738	1	Driver, ZF Axle	
	70010244	1	Internal Extractor, ZF Axle	
	70010245	1	Counter Support, ZF Axle	
	70022866	1	Spanner, ZF Axle	
	70022867	1	Torque Spanner, 5-45Nm, ZF Axle	
	80304492	1	Wheel Bolt Puller Basic Set, ZF Axle	
	70110101	1	Driver, ZF Axle	
	80304498	1	Handle, ZF Axle	
	70010281	1	Slotted Nut Wrench, ZF Axle	
	70010283	1	Installer, ZF Axle	
	70010284	1	Installer, ZF Axle	
	80304497	1	HP-Pump, ZF Axle	
	7025856	1	Striker, ZF Axle	
	70010243	1	Measuring Hub, 9/16in-18UNF	

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	
	1001136917	Ref	Air Baffle Kit	
	1001200204	Ref	Alarm (White Noise) Kit	
	1001195606	Ref	Anti-Stall Kit (T4i)	
	1001147478	Ref	Armrest Kit	
	1001121513	Ref	Axle Upgrade Kit - 4-Gear Planetary Rear Axle	
	1001155419	Ref	Battery Cable Routing Kit (6036)	
	1001126387	Ref	Bearing Retainer Kit	
	8024025	Ref	Boom Extend Chain Kit (6036 Legacy) **(SN 14834 through 19988, SN 0160002345 to Present)**	
	8024032	Ref	Boom Extend Chain Kit (6042 Legacy)	
	8024026	Ref	Boom Retract Chain Kit (6036 Legacy) **(SN 14834 through 19988, SN 0160002345 to Present)**	
	8024033	Ref	Boom Retract Chain Kit (6042 Legacy)	
	2910994	Ref	Boom Wear Pad Kit (6036 Legacy)	
	2910997	Ref	Boom Wear Pad Kit (6036 Pre-Legacy)	
	1001119783	Ref	Boom Wear Pad Kit (6042)	
	1001167008	Ref	Brake Inlet Pressure Kit	
	1001171117	Ref	Brake Valve Fitting Kit	
	1001265373	Ref	ClearSky Telematics Harness Add-on Kit	
	1001154226	Ref	Cooler Vent kit	
	2915187	Ref	Decal Kit - ANSI (6036)	
	2915188	Ref	Decal Kit - ANSI (6042)	
	1001111278	Ref	Decal Kit - ISO (6036)	
	1001111729	Ref	Decal Kit - ISO (6042)	
	1001202258	Ref	Door Bumper Kit	
		Ref	Electrical Connector Kits	
	1001148902	Ref	Electrical Connector Kit - Amp/Tyco Electrical Connectors	
	1001148903	Ref	Electrical Connector Kit - Deutsch DT Electrical Connectors	
	1001148904	Ref	Electrical Connector Kit - Deutsch HD Electrical Connectors	
	1001148905	Ref	Electrical Connector Kit - Packard Electrical Connectors	
	1001148906	Ref	Electrical Connector Kit - Various Electrical Connectors	
	1001177168	Ref	Engine Lifting Brackets Kit	
	1001145164	Ref	Engine Lifting (Rear) Brackets Kit (Tier 3.3 Engines)	
	1001128806	Ref	Fan Shroud Kit	
	1001136035	Ref	Filter Kit - Fuel (LRC)	
	7138289	Ref	Filter Service Kit - 250 Hour - Cummins 4B3.9 Naturally Aspirated Engine (6036 Pre-Legacy)	
	7138290	Ref	Filter Service Kit - 250 Hour - Cummins 4BT3.9 Turbo Engine (6036 Pre-Legacy)	
	7138291	Ref	Filter Service Kit - 250 Hour - Cummins 4BT3.9 Turbo Engine (6036 Pre-Legacy) **(Prior to SN 3617)**	
	1001128949	Ref	Filter Service Kit - 250 Hour - Cummins 4BT3.9 Turbo Engine (6036) **(SN 14834 through 19983, SN 0160002345 through 0160004109)**	
	1001128951	Ref	Filter Service Kit - 250 Hour - Cummins 4BT3.9 Turbo Engine (6042) **(SN 0160002408 through 0160004110)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001128949	Ref	Filter Service Kit - 250 Hour - Cummins 4BT3.9 Turbo Engine (6042) **(SN 17019 through 19897)**	
	1001128968	Ref	Filter Service Kit - 250 Hour - Cummins Tier III Engine (6036 & 6042) **(SN 01600039408 to Present)**	
	1001150516	Ref	Filter Service Kit - 250 Hour - LS Engine (Legacy)	
	7138287	Ref	Filter Service Kit - 250 Hour - Perkins 4.236 Engine (6036 Pre-Legacy)	
	7138295	Ref	Filter Service Kit - 1000 hour - Cummins 4B3.9 Naturally Aspirated Engine (6036 Pre-Legacy) (was PN 7092041)	
	8024016	Ref	Filter Service Kit - 1000 Hour - Cummins 4BT3.9 Turbo Engine (6036 Pre-Legacy) **(Prior to SN 3617)**	
	7138316	Ref	Filter Service Kit - 1000 Hour - Cummins 4BT3.9 Turbo Engine (6036 Pre-Legacy) **(SN 3617 to Present)**	
	7138301	Ref	Filter Service Kit - 1000 Hour - Cummins 4BT3.9Turbo Engine (6036 Legacy) (was PN 7092051) **(Prior to SN 3617)**	
	2915036	Ref	Filter Service Kit - 1000 Hour - Cummins Tier II Engine (6036 & 6042)	
	1001128950	Ref	Filter Service Kit - 1000 Hour - Cummins 4BT3.9 Turbo Engine) (6042) **(SN 0160002408 through 0160004110)**	
	1001128967	Ref	Filter Service Kit - 1000 Hour - Cummins Tier III Engine (6036 & 6042) **(SN 01600039408 to Present)**	
	1001150517	Ref	Filter Service Kit - 1000 Hour - LS Engine (Legacy)	
	1001150525	Ref	Filter Service Kit - 1000 Hour - LS Engine (Legacy)	
	1001150518	Ref	Filter Service Kit - 1000 Hour - ULS Engine (Legacy)	
	1001150526	Ref	Filter Service Kit - 1000 Hour - ULS Engine (Legacy)	
	7138293	Ref	Filter Service Kit - 1000 Hour- Perkins 4.236 Naturally Aspirated Engine (6036 Pre-Legacy) (was PN 7092021)	
	7138294	Ref	Filter Service Kit - 1000 Hour - Perkins 4.236T Turbo Engine (6036 Pre-Legacy) (was PN 7092031)	
	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	
	1001137676	Ref	Light Kit - Roadlight (6036)	
	1001137628	Ref	Light Kit - Roadlight (6042)	
	1001137628	Ref	Light Kit - Roadlight with Adjustable Pedal	
	1001137627	Ref	Light Kit - Worklight	
	1001188068	Ref	Luk Coupler Kit	
	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	
	1001248571	Ref	Tire Set Kit - Pneumatic 13.00 x 24	
	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	
	2901443	Ref	Analyzer Kit	
	1001249695	Ref	Analyzer and Cable Kit	

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249941	Ref	Analyzer and Cable Kit (Battery Powered)	
	1001137005	Ref	Cable Kit, Software	
	7002821	Ref	Crimper, Wire	
	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 Bolt 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, 9/6IN - 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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