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Illustrated Parts Manual

Models
G6-42A
G9-43A
G10-43A

G6-42A
SN 0160048658 to Present
G9-43A & G10-43A
S/N 0160048671 to Present
excluding 0160048773

31200727

Revised
October 28, 2014

An Oshkosh Corporation Company

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EFFECTIVITY PAGE

September 28, 2012 - A - Original Release of Manual

February 15, 2013 - B - Revised Manual

April 8, 2013 - C - Revised Manual

July 30, 2013 - D - Revised Manual

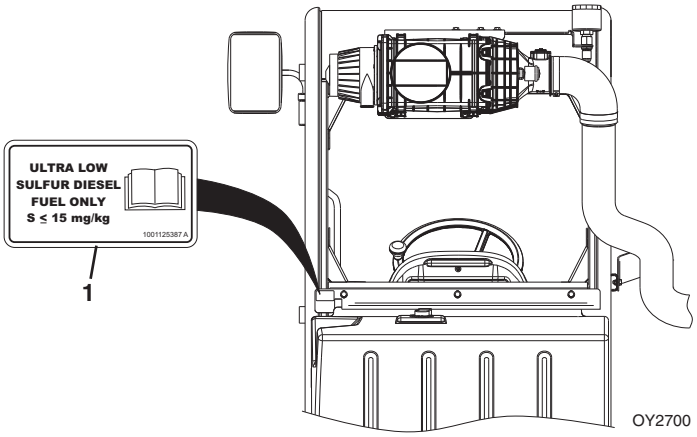
January 22, 2014 - E - Revised Manual

October 28, 2014 - F - Revised Manual

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Machine Configuration



REAR VIEW OF CAB

Two configurations of each machine are included in this manual. Determine if machine is equipped with Ultra Low Sulfur Fuel Decal (**1**).

If equipped with the Ultra Low Sulfur decal, all specific references to this machine configuration will be referred to as Ultra Low Sulfur (**ULS**) from this point forward.

If not equipped with the Ultra Low Sulfur decal, all specific references to this machine configuration will be referred to as Low Sulfur (**LS**) from this point forward.

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General Information

1. **MACHINE IDENTIFICATION**
   Machines are identified by model & in some cases a combination of model, serial number (S/N) or regional standard (CE, AUS, ANSI). Components may also be identified by S/N or manufacturer. Common components that may be identified by these characteristics are attachments, engine, transmission & hydraulic components.

2. **PARTS MANUAL ORGANIZATION**
   Product information in this manual is organized under section titles. Frame & Attaching Parts, Drive Train & Electrical are a few examples. Each section is organized by Figure & page number. The information within the Figure is then organized by item number, part number, description & corresponding illustration(s).

3. **TABLE OF CONTENTS**
   A table of contents (TOC) is found toward the beginning of the manual. Figure number, description & page number are provided for quick reference to the page containing the related information.

4. **RECOMMENDED SPARE PARTS**
   The Recommended Spare Parts, located near the end of the manual, references most frequently used maintenance parts.

5. **PART NUMBER INDEX**
   A numerical index listing all part numbers & the corresponding page number(s) appears at the back of the manual.

6. **NON-SERVICED PARTS**
   In some instances it is necessary to display non-serviced parts, assemblies or installations. In the case of assemblies & installations there will be a Ref in the Qty column & a note after the item description stating what is available for service within. In the case of parts that are not available for service within assemblies or components there will be a NSS (Not Sold Separately) listed in the part number column of the manual.

7. **PARTS LIST ITEM NUMBERS**
   Numbers shown in the Item column correspond to numbers used in the associated illustration(s). Item numbers which are missing from sequence & are not shown in the illustration(s) are not used on that page.

8. **INDENTED PART DESCRIPTION**
   An indented part description is included in the item under which it is indented.

9. **ABBREVIATIONS & SYMBOLS**

AC	Air Conditioning
ANSI	American National Standards Institute
AR	As Required
ASME	American Society of Mechanical Engineers
ASSY	Assembly
AUS	Australia
AUX	Auxiliary
CE	European Conformity
DIA	Diameter
EURO	European
FT	Foot
GA	Gauge
GR	Grade
HD	Head
HYD	Hydraulic
ID	Inside Diameter
IN	Inch
ISO	International Organization for Standards
ITSDF	Industrial Truck Standards Development Foundation
KG	Kilogram
kW	Kilowatt
LB	Pound
LH	Left Hand
LS	Low Sulfur
MAX	Maximum
MM	Millimeter
N	Newton
NA	Not Applicable
NLA	No Longer Available
NSS	Not Sold Separately
OD	Outside Diameter
OZ	Ounce
P/N	Part Number
QTY	Quantity
REF	Reference
REQ	Required
RH	Right Hand
S/N	Serial Number
SAE	Society of Automotive Engineers
STD	Standard
ULS	Ultra Low Sulfur
V	Volt

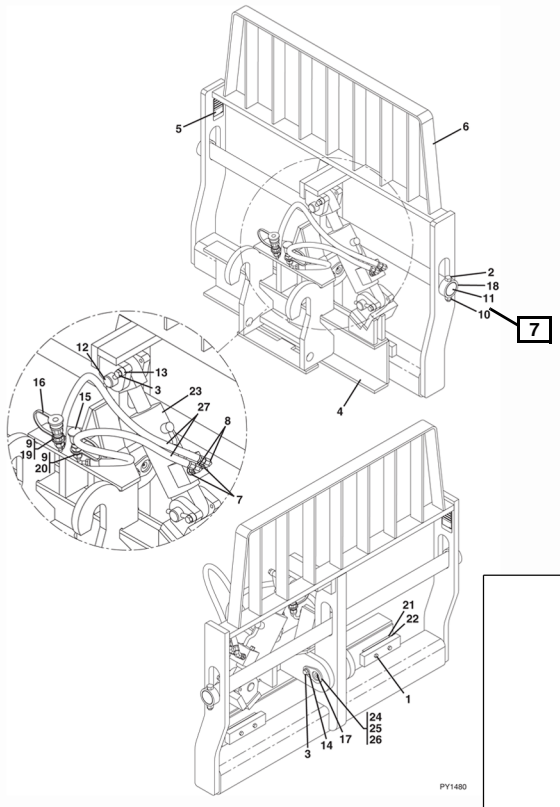
10. **ILLUSTRATION REFERENCE LETTERS**
    When necessary, illustrations may contain reference letters that are intended to track information from one point to another in the illustration such as harnesses & hoses or any other information that has been separated in the illustration.

Note: *Due to continuous product improvements, JLG Industries, Inc. reserves the right to make specification changes without prior notification. Contact JLG Industries, Inc. for updated information.*

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Model S/N 0160037799 & After
Model S/N 0160037798 & After
Model S/N 0160037793 & After

Figure 3-3 Side Tilt Carriage



1

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Model S/N 0160037799 & After
Model S/N 0160037798 & After
Model S/N 0160037793 & After

Figure 3-3 Side Tilt Carriage

Item	Part Number	Qty.	Description	Rev.
	1170054	1	50 IN SIDE TILT CARRIAGE, (includes all items)	C
	1001101956	1	60 IN SIDE TILT CARRIAGE, (includes all items)	C
	1170057	1	72 IN SIDE TILT CARRIAGE, (includes all items)	C
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	NSS	1	CARRIAGE BASE	
5	NSS	1	S/N PLATE	
6	NSS	1	CARRIAGE, SIDE TILT	
7	2110606	2	CONNECTOR	
8	2172106	2	CONNECTOR, 90 DEGREES	
9	2110808	2	CONNECTOR	
10	3300240	2	LOCK NUT, 5/8-11	
11	3423275	1	50 IN FORK PIN	
	3423242	1	60 IN FORK PIN	
	3423276	1	72 IN FORK PIN	
12	3423307	2	PIN	
13	3841203	2	KEEPER	
14	4891800	1	WASHER, 1/2	
15	8420053	1	DUST CAP	
16	8420055	1	DUST PLUG	
17	88671001	1	GREASE FITTING	
18	90200003	2	COLLAR	
19	91403413	1	CONNECTOR	
20	91403414	1	CONNECTOR	
21	1001090063	2	WEAR PAD	
22	1001090064	A/R	SHIM	
23		Ref	HYDRAULIC CYLINDER, (see Figure 9-12 for details)	
24	1001090140	1	BEARING	
25	1001099113	1	PIN	
26	1001099115	2	SLEEVE	
27	1001102378	2	HOSE ASSY, 3/8X39	

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FIGURE 12-1. RECOMMENDED SPARE PARTS 456

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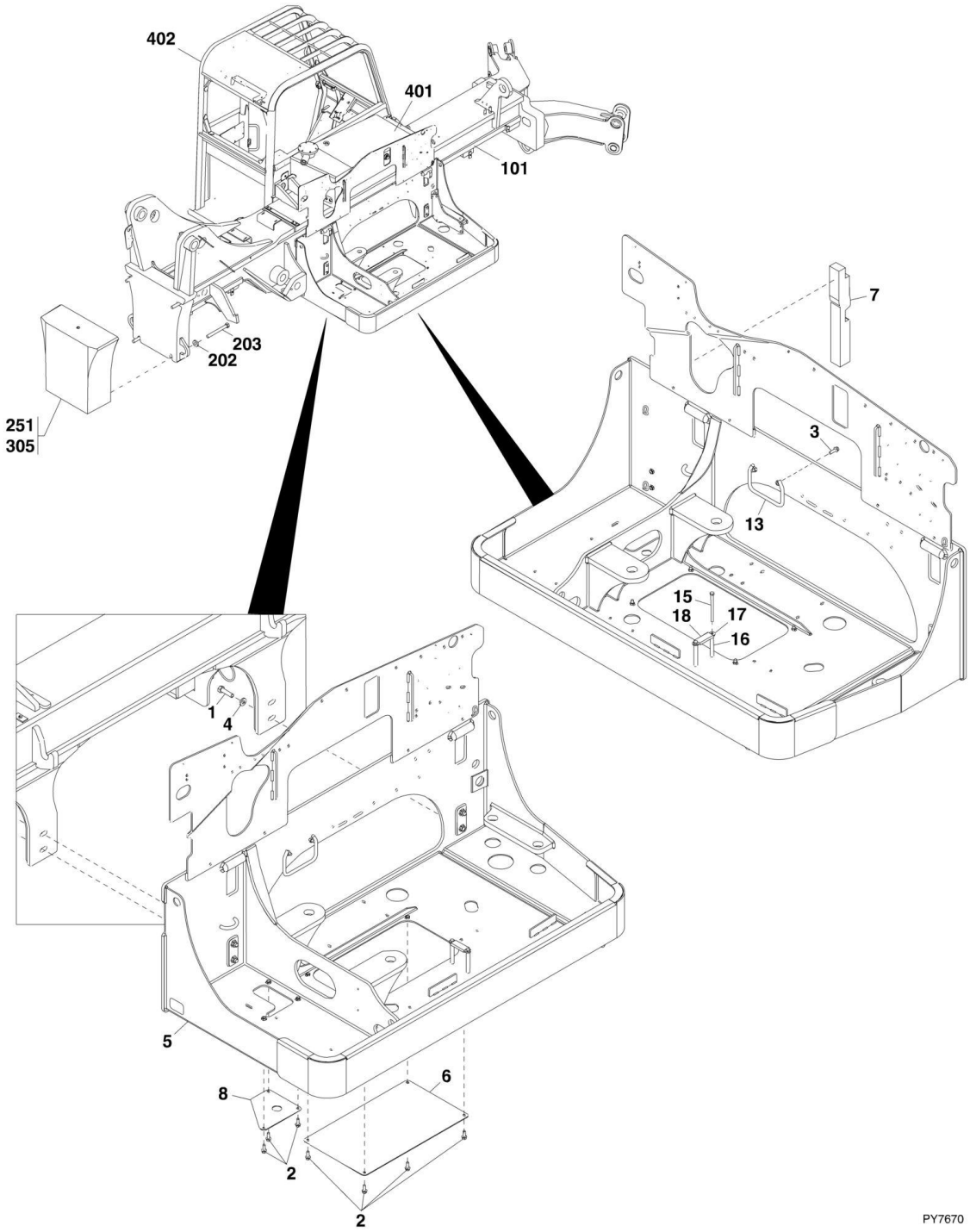
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SECTION 1 - FRAME AND ATTACHING PARTS

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SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-1. FRAME AND ATTACHING PARTS



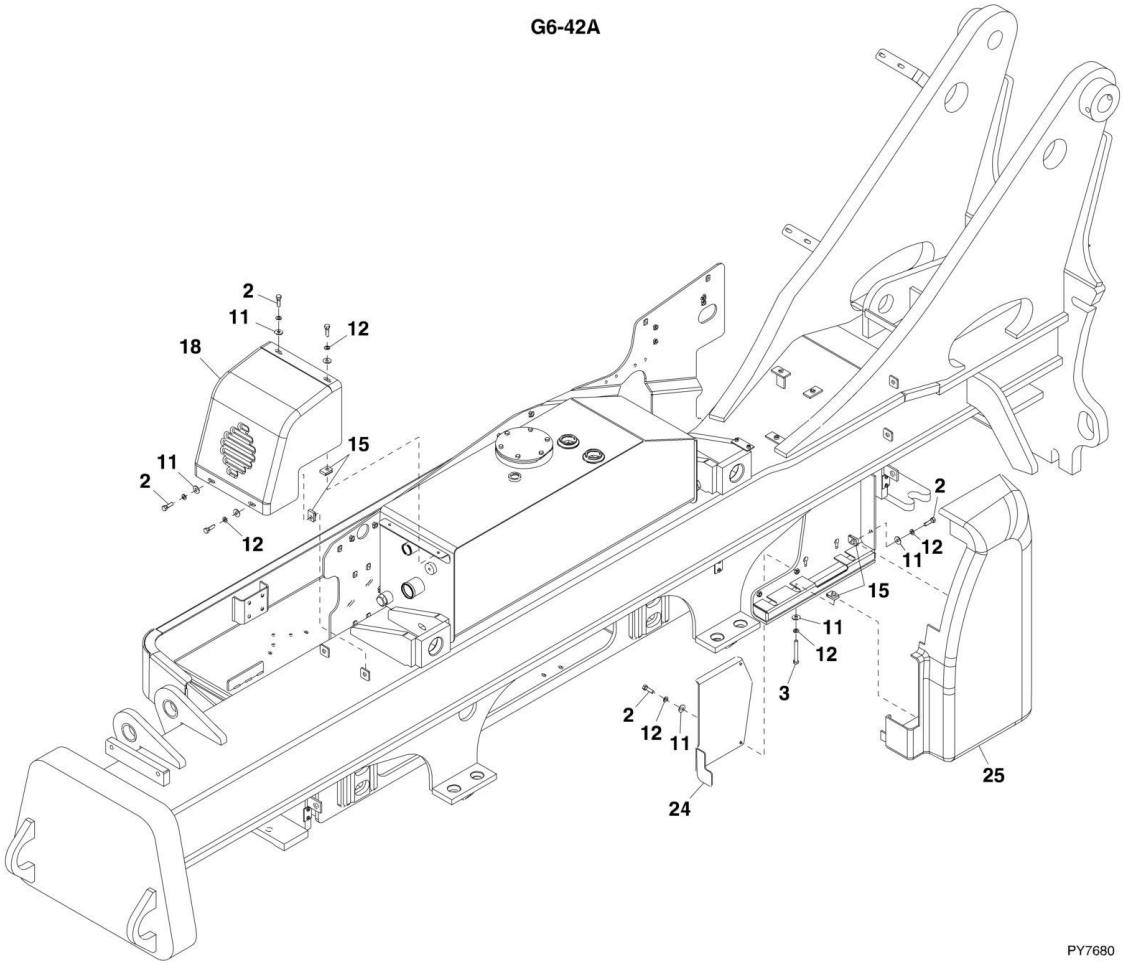
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FIGURE 1-1. FRAME AND ATTACHING PARTS

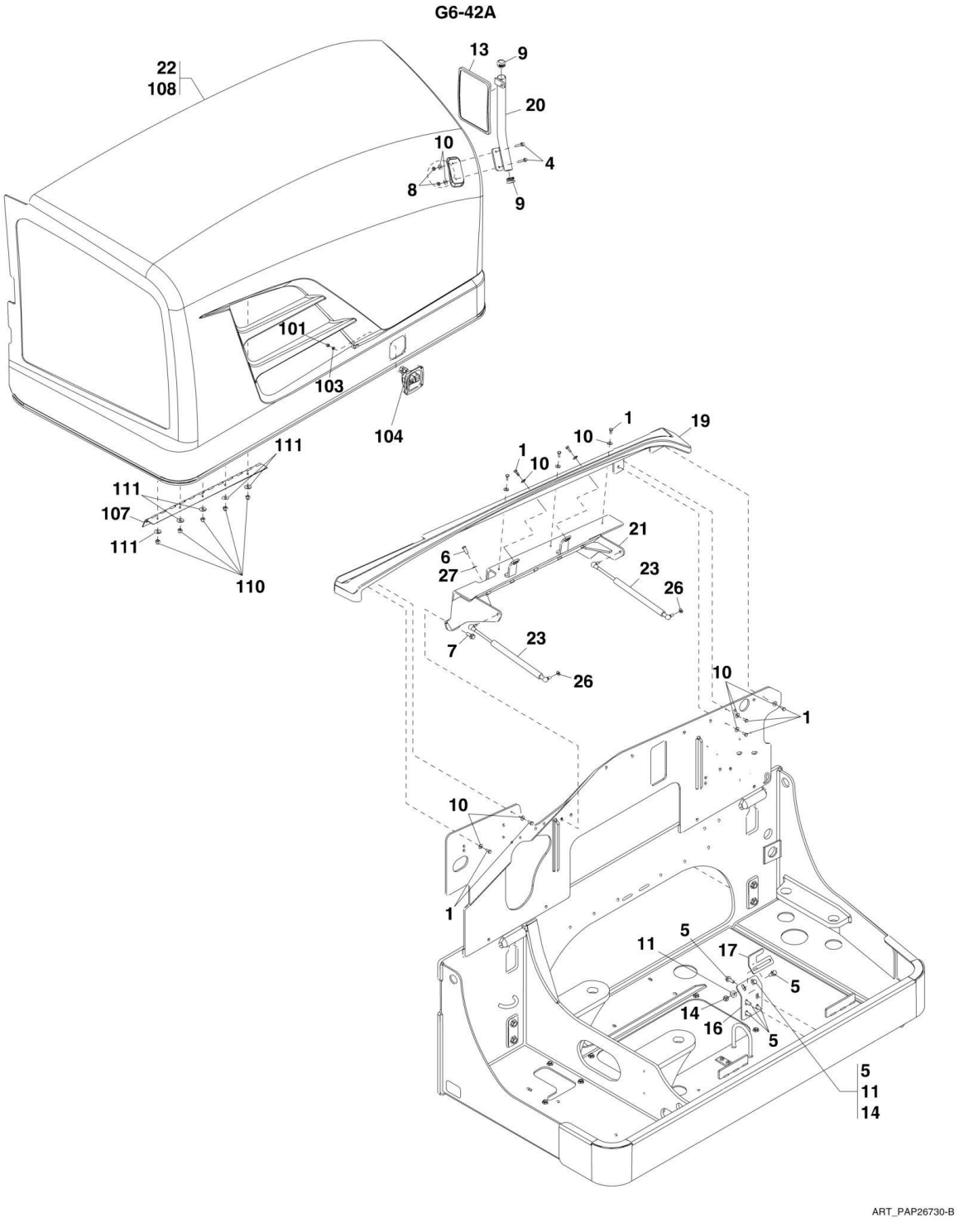
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131905	Ref	ENGINE POD INSTALLATION, (G6-42A), (if equipped for ULS), (not available to order, see items 1 thru 18)	F
	1001139428	Ref	ENGINE POD INSTALLATION, (G6-42A), (if equipped for LS), (not available to order, see items 1 thru 18)	E
	1001131899	Ref	ENGINE POD INSTALLATION, (G9-43A & G10-43A), (if equipped for ULS), (not available to order, see items 1 thru 18)	F
	1001139427	Ref	ENGINE POD INSTALLATION, (G9-43A & G10-43A), (if equipped for LS), (not available to order, see items 1 thru 18)	E
1	0682018	4	HEX HD CAPSCREW, 5/8-11X2-1/4	
2	0811608	7	SCREW, 3/8-16X1	
3	0811610	2	SCREW, 3/8-16X1-1/4	
4	4892000	4	HARDENED WASHER, 5/8	
5	1001121031	1	POD WELDMENT SUPPORT	
6	1001121047	1	BOTTOM COVER PLATE	
7	1001125491	1	FOAM GASKET SEAL	
8	1001128248	1	COOLER ACCESS COVER PLATE	
13	1001132796	1	HOSE GUIDE BRACKET	
15	0641640	2	HEX HD CAPSCREW, 3/8-16X5	
16	1001143653	2	SPACER TUBE	
17	1001143654	1	HOSE GUIDE PLATE	
18	1001150299	1	HOSE, 3/4	
101	N.S.S.	1	FRAME WELDMENT	
202	80241137	4	SPECIAL WASHER	
203	83201030	4	HEX HD CAPSCREW, 1-8X3-1/2, (G6-42A)	
203	80241147	4	HEX HD CAPSCREW, 1-8X9-1/2, (G9-43A & G10-43A)	
251	91140001	1	COUNTERWEIGHT, (if equipped)	
251	1001097095	1	COUNTERWEIGHT W/PINTLE HITCH ASSY, (if equipped), (includes items 304 & 305)	B
304		Ref	PINTLE HOOK, (not shown), (See PINTLE HOOK for Breakdown)	
305	1001091458	1	COUNTERWEIGHT	
401		Ref	HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
402		Ref	CAB WELDMENT, (See CAB SECTION for Breakdown)	

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FIGURE 1-2. COVERS G6-42A



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SECTION 1 - FRAME AND ATTACHING PARTS

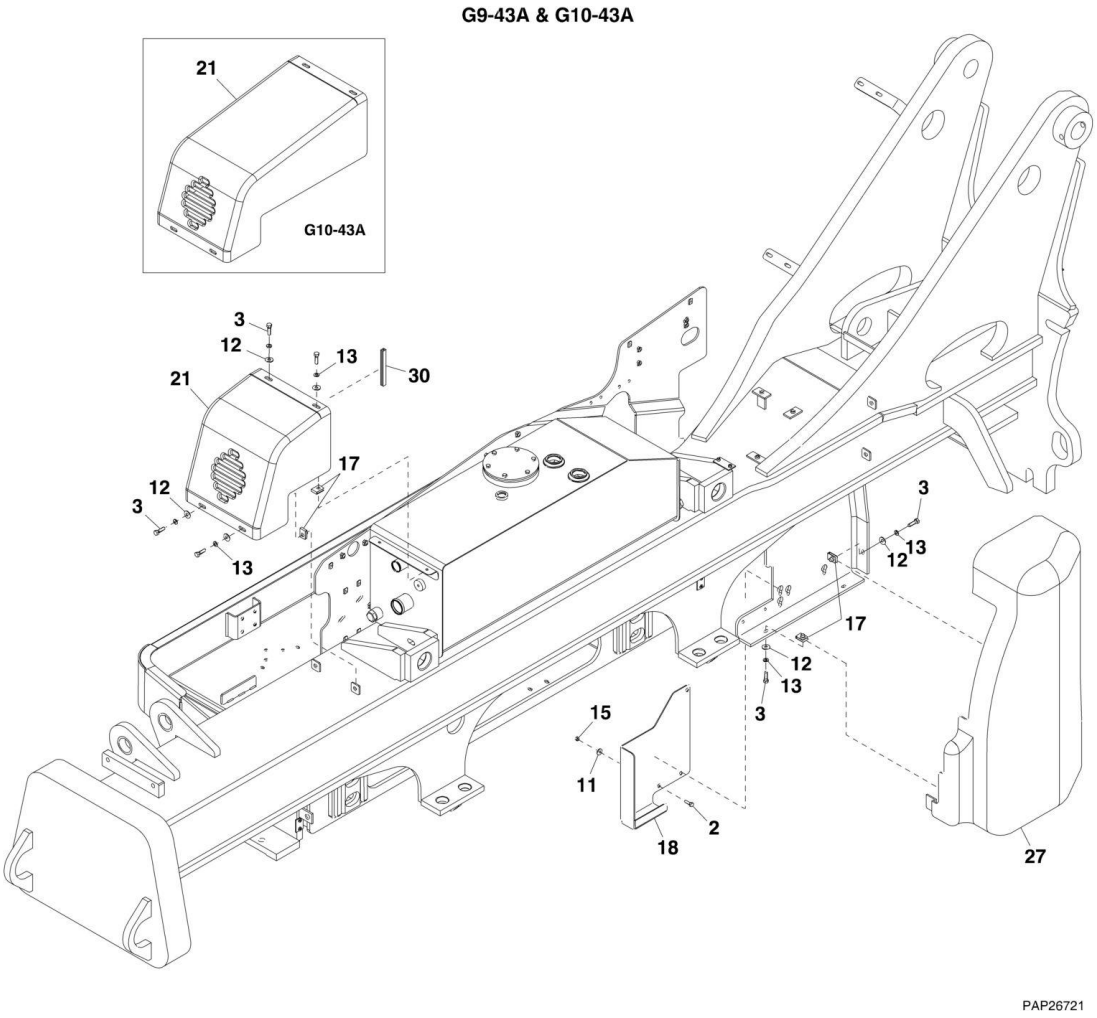
FIGURE 1-2. COVERS G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001133442	Ref	HOOD INSTALLATION, (G6-42A), (not available to order, see items 1 thru 27 for service)	C
1	0641406	10	HEX HD CAPSCREW, 1/4-20X3/4	
2	0641610	10	HEX HD CAPSCREW, 3/8-16X1-1/4	
3	0641624	3	HEX HD CAPSCREW, 3/8-16X3	
4	0791410	2	SCREW, 1/4-20X1-1/4	
5	0791608	6	SCREW, 3/8-16X1	
6	3900316	5	BUTTON HD SCREW, 3/8-16X1	
7	0811608	6	SCREW, 3/8-16X1	
8	3311405	2	HEX LOCKNUT, 1/4-20, GR2	
9	3520176	2	PLUG, 1-1/4	
10	4751400	12	WASHER, 1/4	
11	4751600	15	WASHER, 3/8	
12	4761600	13	LOCKWASHER, 3/8	
13	8866348	1	MIRROR ASSY	
14	88501006	2	HEX NUT, 3/8-16	
15	88662523	10	TINNERMAN NUT	
16	1001121332	1	LATCH MOUNT BRACKET	
17	1001121337	1	LATCH CATCH BRACKET	
18	1001128847	1	FRONT COVER	
19	1001129637	1	HINGE COVER	
20	1001129639	1	MIRROR BRACKET	
21	1001144114	1	HINGE MOUNT SUPPORT	
22	1001131147	1	ENGINE COVER ASSY, (includes items 101 thru 111)	F
23	1001131247	2	GAS SPRING	
24	1001132508	1	VALVE COVER PANEL	
25	91473085	1	MAIN VALVE COVER	
26	4711500	2	WASHER, 5/16	
27	4711600	5	WASHER, 3/8	
101	3290605	4	HEX LOCKNUT, M6X1	
103	4811700	4	WASHER, 6mm	
104	1001122219	1	COMPRESSION LATCH	
104	91404275	1	ENGINE COVER KEY	
107	1001129358	1	ENGINE COVER HINGE	
108	1001129638	1	ENGINE COVER	
110	3300492	5	NYLON INSERT LOCKNUT	
111	4751600	5	WASHER, 3/8	

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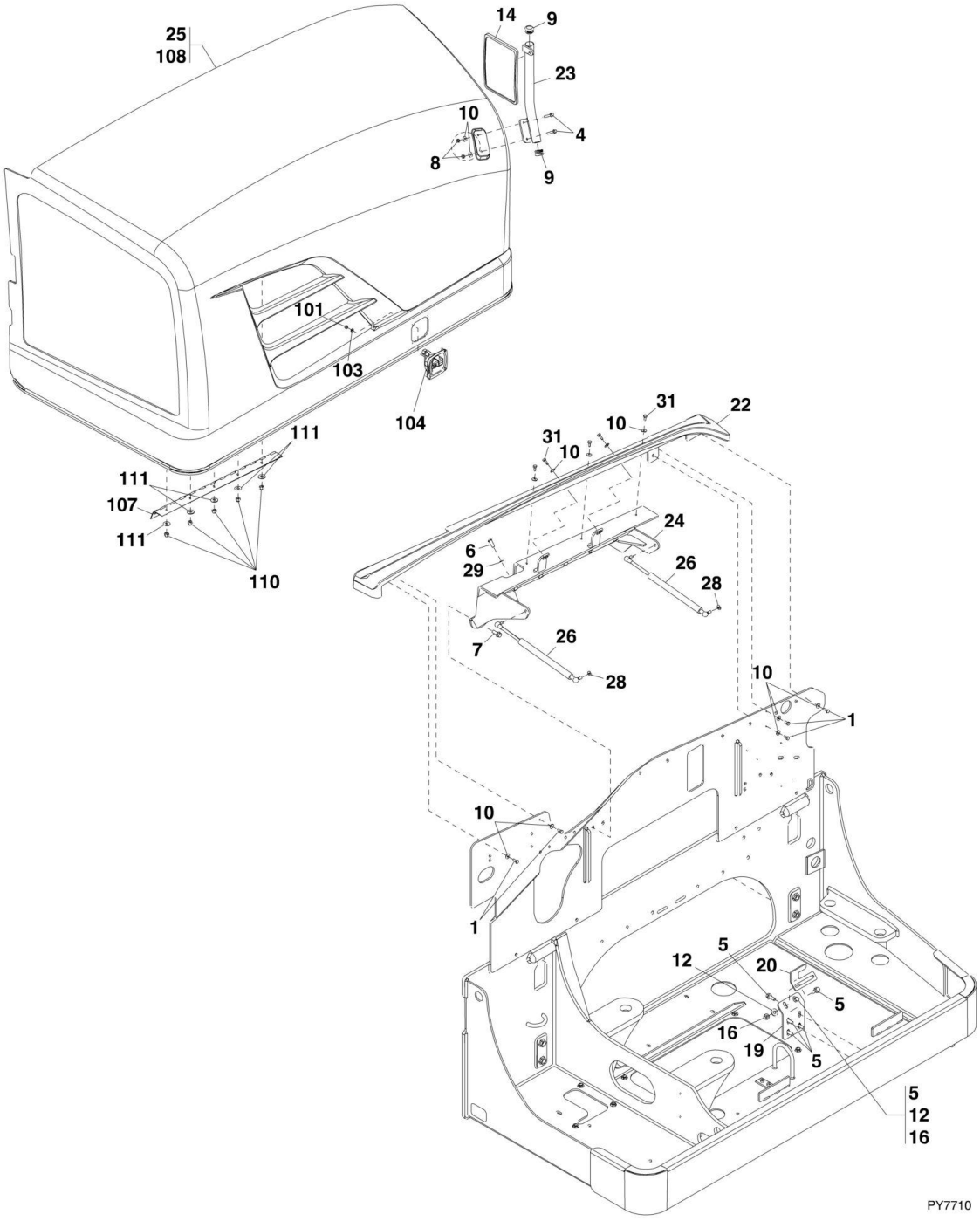
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FIGURE 1-3. COVERS G9-43A AND G10-43A



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G9-43A & G10-43A



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SECTION 1 - FRAME AND ATTACHING PARTS

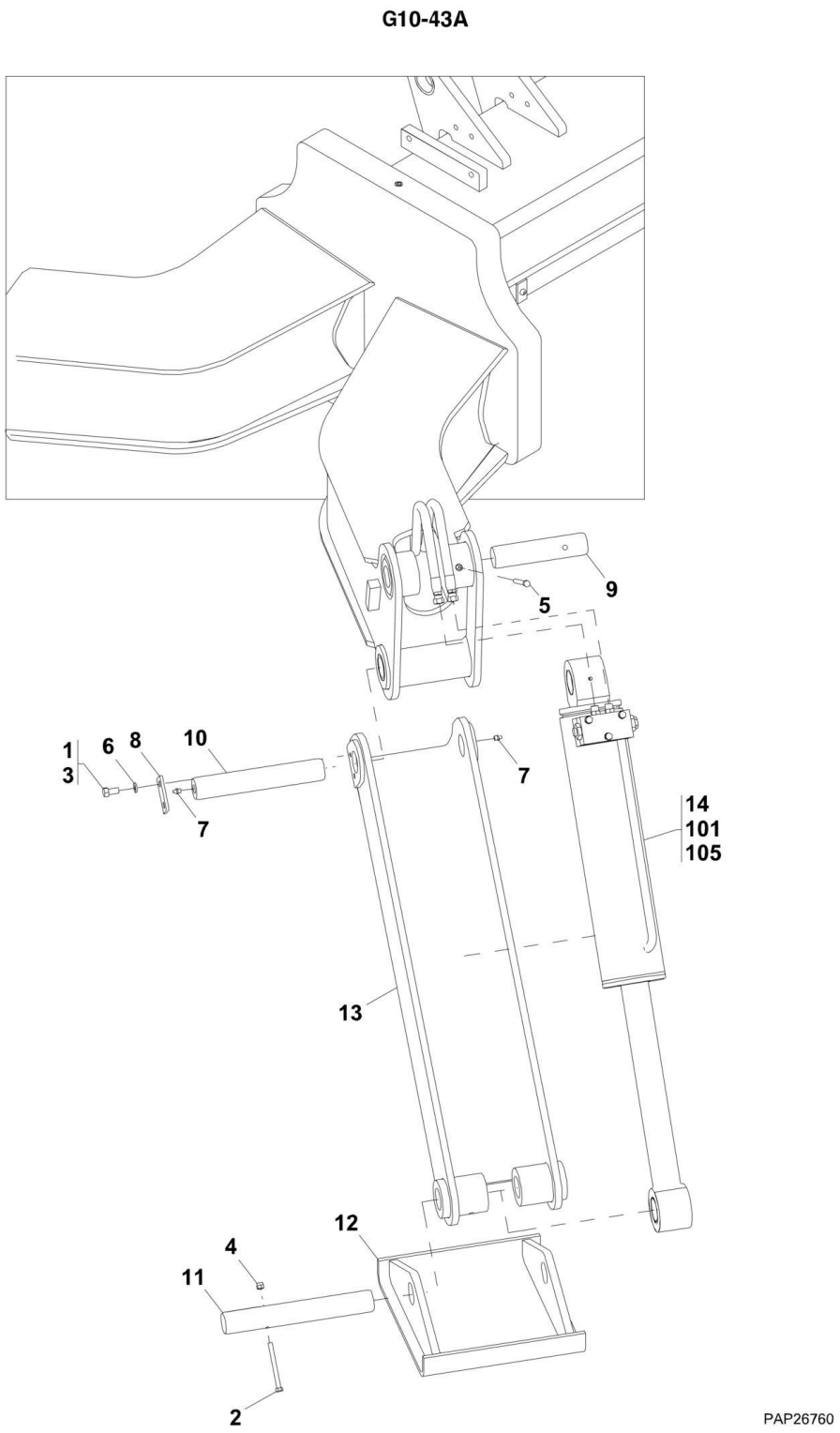
FIGURE 1-3. COVERS G9-43A AND G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131775	Ref	HOOD INSTALLATION, (G9-43A), (not available to order, see items 1 thru 31 for service)	D
	1001132536	Ref	HOOD INSTALLATION, (G10-43A), (not available to order, see items 1 thru 31 for service)	G
1	0641405	5	HEX HD CAPSCREW, 1/4-20X5/8	
2	0641508	3	HEX HD CAPSCREW, 5/16-18X1	
3	0641610	9	HEX HD CAPSCREW, 3/8-16X1-1/4	
4	0791410	2	SCREW, 1/4-20X1-1/4	
5	0791608	6	SCREW, 3/8-16X1	
6	0811606	5	BUTTON HD SCREW, 3/8-16X3/4, (G9-43A)	
6	3900316	5	BUTTON HD SCREW, 3/8-16X1, (G10-43A)	
7	0811608	6	SCREW, 3/8-16X1	
8	3311405	2	HEX LOCKNUT, 1/4-20, GR2	
9	3520176	2	PLUG, 1-1/4	
10	4751400	12	WASHER, 1/4	
11	4751500	3	WASHER, 5/16	
12	4751600	11	WASHER, 3/8	
13	4761600	9	LOCKWASHER, 3/8	
14	8866348	1	MIRROR ASSY	
15	88501005	3	HEX NUT, 5/16-18	
16	88501006	2	HEX NUT, 3/8-16	
17	88662523	9	TINNERMAN NUT	
18	1001132441	1	VALVE COVER PANEL	
19	1001121332	1	LATCH MOUNT BRACKET	
20	1001121337	1	LATCH CATCH BRACKET	
21	1001128847	1	FRONT COVER, (G9-43A)	
21	1001128846	1	FRONT COVER, (G10-43A)	
22	1001129637	1	HINGE COVER	
23	1001129639	1	MIRROR BRACKET	
24	1001144114	1	HINGE MOUNT SUPPORT	
25	1001131147	1	ENGINE COVER ASSY, (includes items 101 thru 111)	F
26	1001131247	2	GAS SPRING	
27	91513122	1	MAIN VALVE COVER	
28	4711500	2	WASHER, 5/16	
29	4711600	5	WASHER, 3/8, (G10-43A)	
30	90206198	5 in	TRIM-LOK	
31	0641406	5	HEX HD CAPSCREW, 1/4-20X3/4	
101	3290605	4	HEX LOCKNUT, M6X1	
103	4811700	4	WASHER, 6mm	
104	1001122219	1	COMPRESSION LATCH	
104	91404275	1	ENGINE COVER KEY	
107	1001129358	1	ENGINE COVER HINGE	
108	1001129638	1	ENGINE COVER	
110	3300492	5	NYLON INSERT LOCKNUT	
111	4751600	5	WASHER, 3/8	

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FIGURE 1-4. OUTRIGGER INSTALLATION



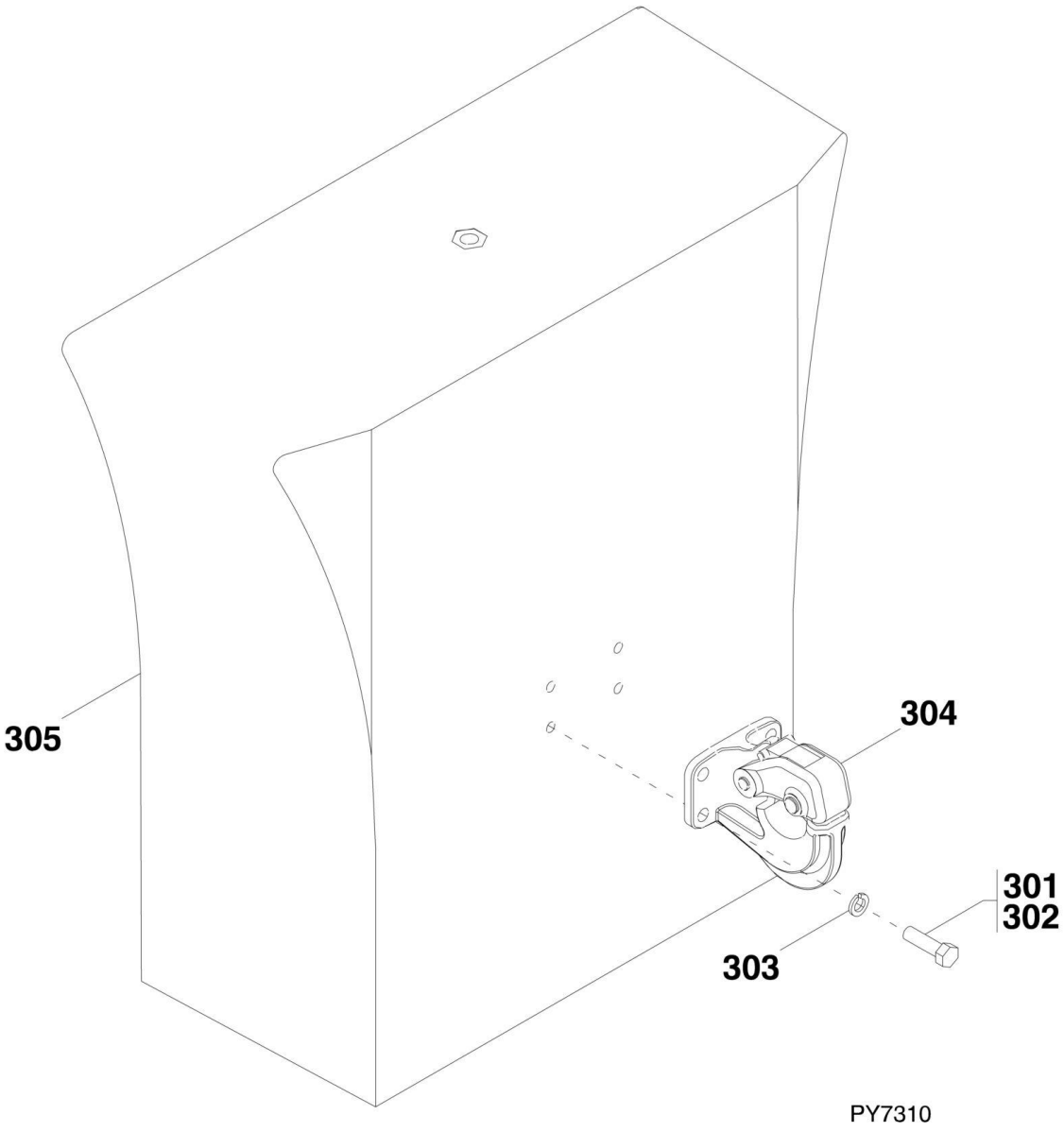
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FIGURE 1-4. OUTRIGGER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148233	Ref	OUTRIGGER INSTALLATION, (G10-43A), (not available to order, see items 1 thru 15 for service)	A
1	0100011	AR	LOCTITE 242	
2	0641634	2	HEX HD CAPSCREW, 3/8-16X4-1/4, GR5	
3	0641808	4	HEX HD CAPSCREW, 1/2-13X1, GR5	
4	3300143	4	HEX LOCKNUT, 3/8-16	
5	3931672	2	SOCKET HD CAPSCREW, 3/8-16X4-1/2, GR8	
6	4761800	4	LOCKWASHER, 1/2	
7	88671001	4	LUBE FITTING, STRAIGHT, 1/8	
8	91081313	2	KEEPER	
9	91563197	2	OUTRIGGER CYLINDER PIN	
10	91563198	2	ARM PIN	
11	91563199	2	SHOE PIN	
12	1001141892	2	PAD WELD STABILIZER	
13	1001142258	2	OUTRIGGER ARM WELDMENT	
14	1001001211	2	OUTRIGGER CYLINDER ASSY, (includes items 101 & 105)	B
15		Ref	HOSE ASSY, (not shown), (See HYDRAULIC CIRCUITS SECTION for Breakdown)	
101		Ref	OUTRIGGER CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
105		Ref	STRAIGHT FITTING, (See HYDRAULIC CIRCUITS SECTION for Breakdown)	

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FIGURE 1-5. PINTLE HOOK



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FIGURE 1-5. PINTLE HOOK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
301	0100011	AR	LOCTITE 242	
302	0681814	4	HEX HD CAPSCREW, 1/2-13X1-3/4, GR8, (torque to 105 lb-ft/145 Nm)	
303	88551013	4	LOCKWASHER, 1/2	
304	90200602	1	PINTLE HOOK	
305		Ref	COUNTERWEIGHT, (See FRAME AND ATTACHING PARTS for Breakdown)	

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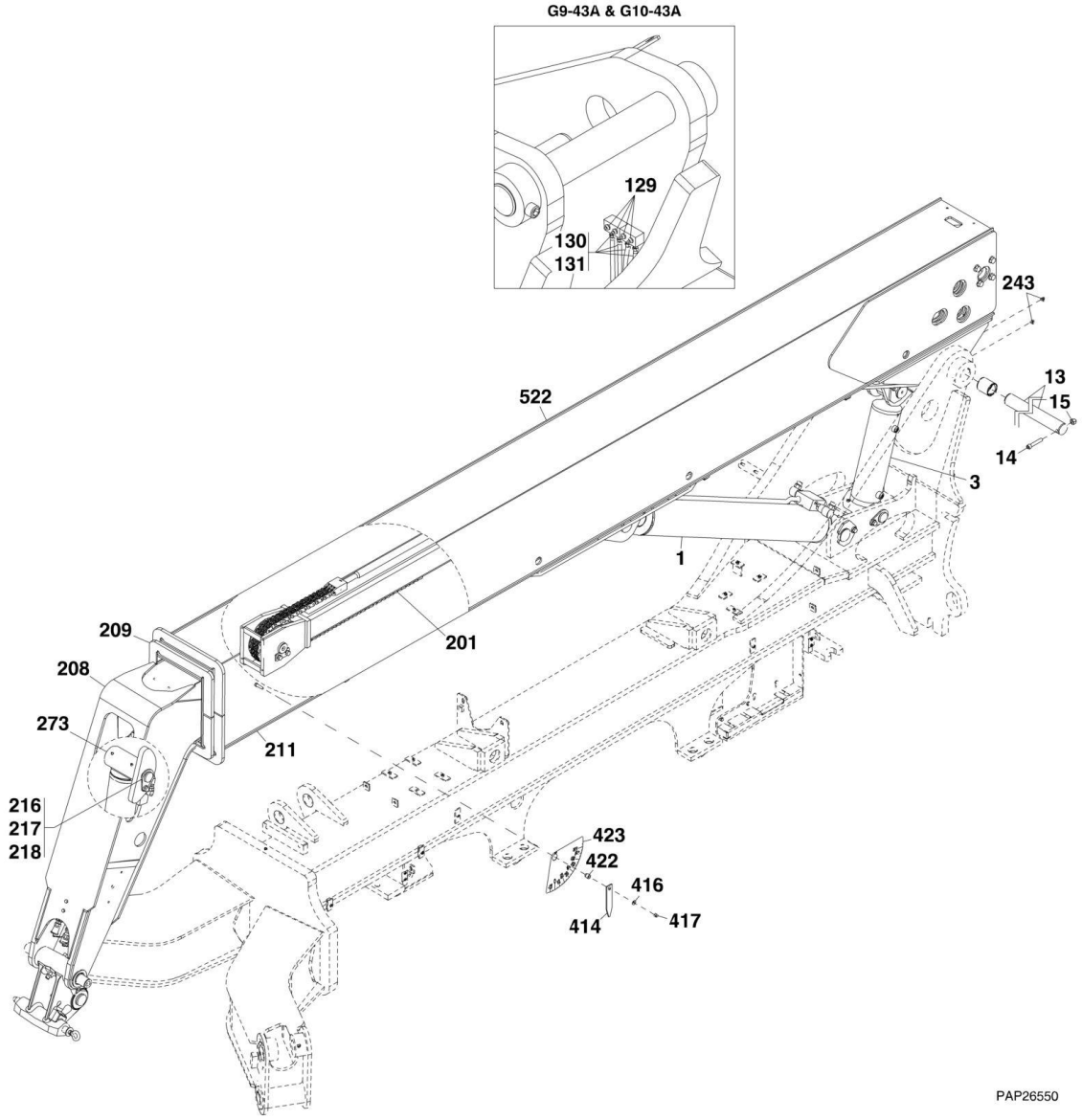
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SECTION 2 - BOOM

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SECTION 2 - BOOM

FIGURE 2-1. BOOM INSTALLATION G9-43A & G10-43A



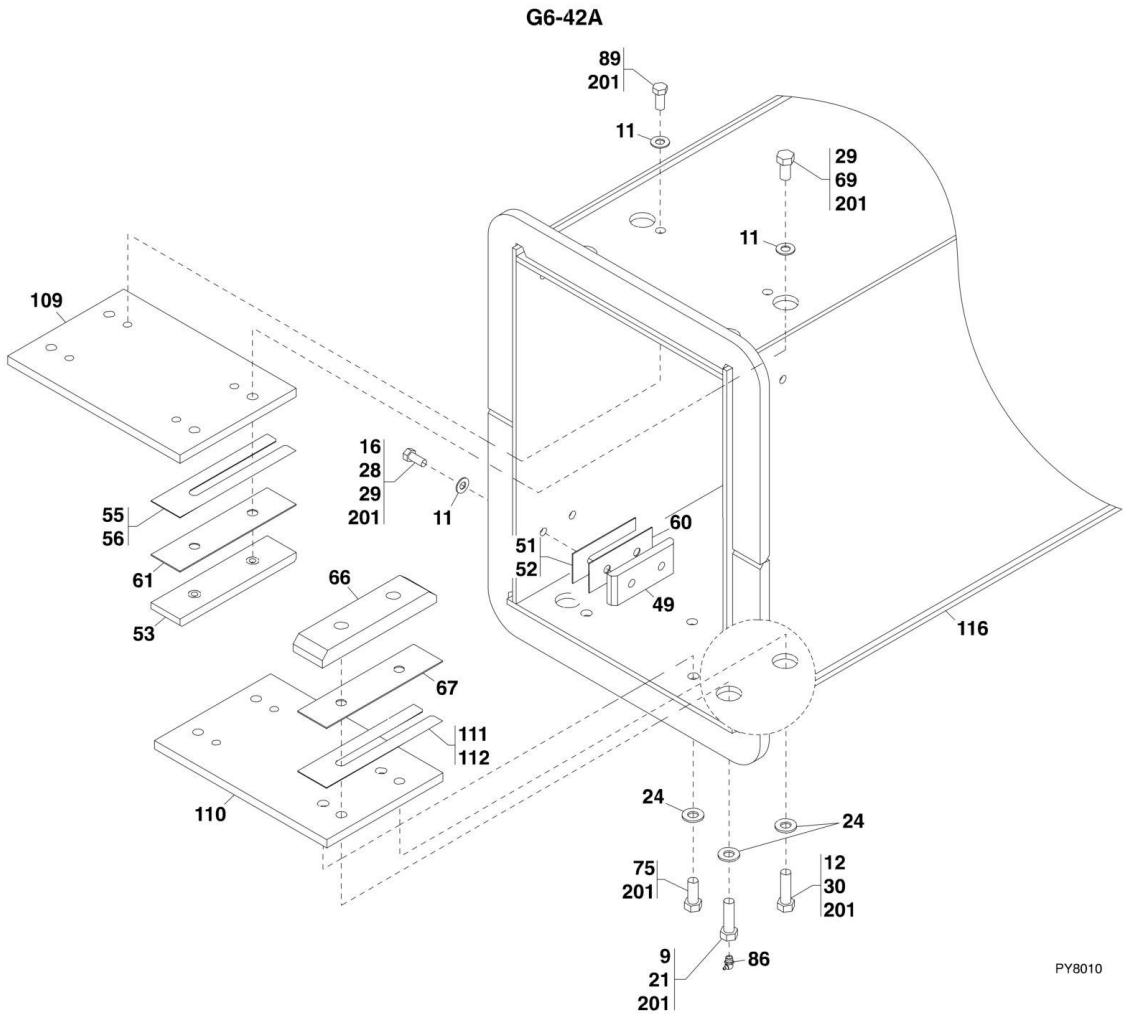
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FIGURE 2-1. BOOM INSTALLATION G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120418	Ref	BOOM INSTALLATION, (G6-42A), (not available to order, see items 1 thru 15 for service)	G
	1001103137	Ref	BOOM INSTALLATION, (G9-43A & G10-43A), (not available to order, see items 1 thru 15 & 129 thru 131 for service)	J
1		Ref	LIFT CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3		Ref	COMPENSATION CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
13	91403025	1	PIN, (G6-42A)	
13	91513047	1	PIN, (G9-43A & G10-43A)	
14	88212288	1	SOCKET HD CAPSCREW, 3/4-10X6-1/2, (G6-42A)	
14	0682048	1	HEX HD CAPSCREW, 5/8-11X6, GR8, (G9-43A & G10-43A)	
15	88521010	1	HEX LOCKNUT, 5/8-11 (G6-42A)	
15	88521012	1	HEX LOCKNUT, 750-10 GR8 (G9-43A & G10-43A)	
129	2160002	4	GREASE FITTING, (G9-43A & G10-43A)	
130	88661002	4	STRAIGHT FITTING, (G9-43A & G10-43A)	
131	84719940	4	HOSE ASSY, (G9-43A & G10-43A)	
	1001099575	1	BOOM ASSEMBLY, (G6-42A), (includes items 201 thru 273)	J
	1001137538	1	BOOM ASSEMBLY, (G9-43A & G10-43A), (includes items 201 thru 273)	D
201		Ref	PUSH BEAM/EXTEND CHAIN, (See PUSH BEAM/EXTEND CHAIN for Breakdown)	
202		Ref	RETRACT CHAIN COMPONENTS, (not shown), (See RETRACT CHAINS for Breakdown)	
208		Ref	THIRD BOOM SECTION, (See THIRD BOOM SECTION for Breakdown)	
209		Ref	SECOND BOOM SECTION, (See SECOND BOOM SECTION for Breakdown)	
211		Ref	FIRST BOOM SECTION, (See FIRST BOOM SECTION for Breakdown)	
216	8307904	AR	SHIM	
217	8310093	AR	SHIM	
218	8307918	AR	SHIM	
243	2160001	2	GREASE FITTING	
273		Ref	TILT CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
414		Ref	ANGLE INDICATOR DECAL, (See DECALS SECTION for Breakdown)	
416	4711600	1	WASHER, 3/8	
417	8305645	1	HEX LOCKNUT, 3/8	
422	1001096404	1	SPACER	
423	1001098769	1	ANGLE INDICATOR	

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FIGURE 2-2. FIRST BOOM SECTION G6-42A



Note: **Wear Pad Shimming:**
Whenever a shim is used with a pad, a spacer with holes must be inserted between pad and shim.
The wear pad or wear pad insert must not sit directly on the slotted surface of shims.
Add wear pad shims and spacers as required to shim boom to maintain a total minimum gap of 0.070 to 0.130 in (1,8 to 3,3 mm) in both horizontal and vertical directions.
Wear pad bolts require one hardened washer. However, up to (2) hardened washers may be used except where noted otherwise. Under no circumstances should more than (2) hardened washers ever be used.The length of pad bolts depends on the number of the shims used. The bolt cannot extend past chamfer on wear pad.
Add Mystik Tetrimoly Grease (14404793) to all wear pads and all wear pad slide pathways. If applicable, this includes all pad grease fittings at the rear of boom.

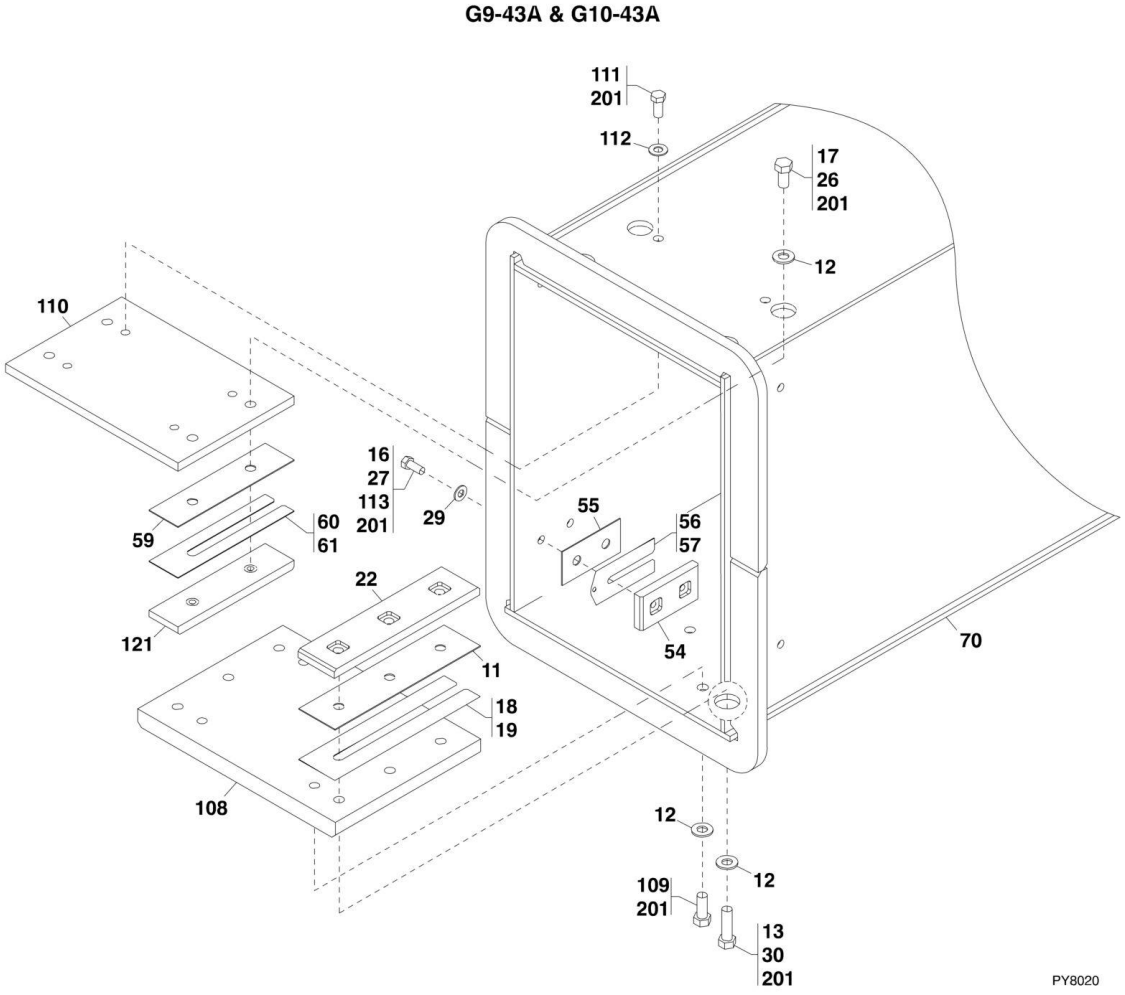
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FIGURE 2-2. FIRST BOOM SECTION G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
9	91161222	AR	HOLLOW HEX HD CAPSCREW, 1/2-20X1-1/2, (torque to 45-50 lb-ft/61-68 Nm)	
11	90027470	16	WASHER, 3/8	
12	0651812	AR	HEX HD CAPSCREW, 1/2-20X1-1/2, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
16	0651607	AR	HEX HD CAPSCREW, 3/8-24X7/8, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
21	88991005	AR	HOLLOW HEX HD CAPSCREW, 1/2-20X1-1/4, (torque to 45-50 lb-ft/61-68 Nm)	
24	90027471	6	WASHER, 1/2	
28	0651606	AR	HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
29	0651608	AR	HEX HD CAPSCREW, 3/8-24X1, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
30	0651810	AR	HEX HD CAPSCREW, 1/2-20X1-1/4, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
49	91403530	4	WEAR PAD	
51	91471227	AR	SHIM, 0.0359	
52	91471226	AR	SHIM, 0.0598	
53	91403532	2	WEAR PAD	
55	91401215	AR	SHIM, 0.0598	
56	91401216	AR	SHIM, 0.0359	
60	91401223	4	SPACER	
61	91401224	2	SPACER	
66	1001117654	2	WEAR PAD	
67	91401450	2	SPACER	
69	0651610	AR	HEX HD CAPSCREW, 3/8-24X1-1/4, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
75	0641808	4	HEX HD CAPSCREW, 1/2-13X1, GR5, (torque to 85 lb-ft/116 Nm)	
86	88671008	2	GREASE FITTING	
89	0641607	4	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
109	91401472	1	SUPPORT PLATE	
110	91401469	1	SUPPORT PLATE	
111	91401457	AR	SHIM, 0.0359	
112	91401456	AR	SHIM, 0.0598	
116	91476041	1	WELDMENT	
201	0100011	AR	LOCTITE 242	

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FIGURE 2-3. FIRST BOOM SECTION G9-43A & G10-43A



Note: **Wear Pad Shimming:**
Whenever a shim is used with a pad, a spacer with holes must be inserted between pad and shim.
The wear pad or wear pad insert must not sit directly on the slotted surface of shims.
Add wear pad shims and spacers as required to shim boom to maintain a total minimum gap of 0.070 to 0.130 in (1,8 to 3,3 mm) in both horizontal and vertical directions.
Wear pad bolts require one hardened washer. However, up to (2) hardened washers may be used except where noted otherwise. Under no circumstances should more than (2) hardened washers ever be used.The length of pad bolts depends on the number of the shims used. The bolt cannot extend past chamfer on wear pad.
Add Mystik Tetrimoly Grease (14404793) to all wear pads and all wear pad slide pathways. If applicable, this includes all pad grease fittings at the rear of boom.

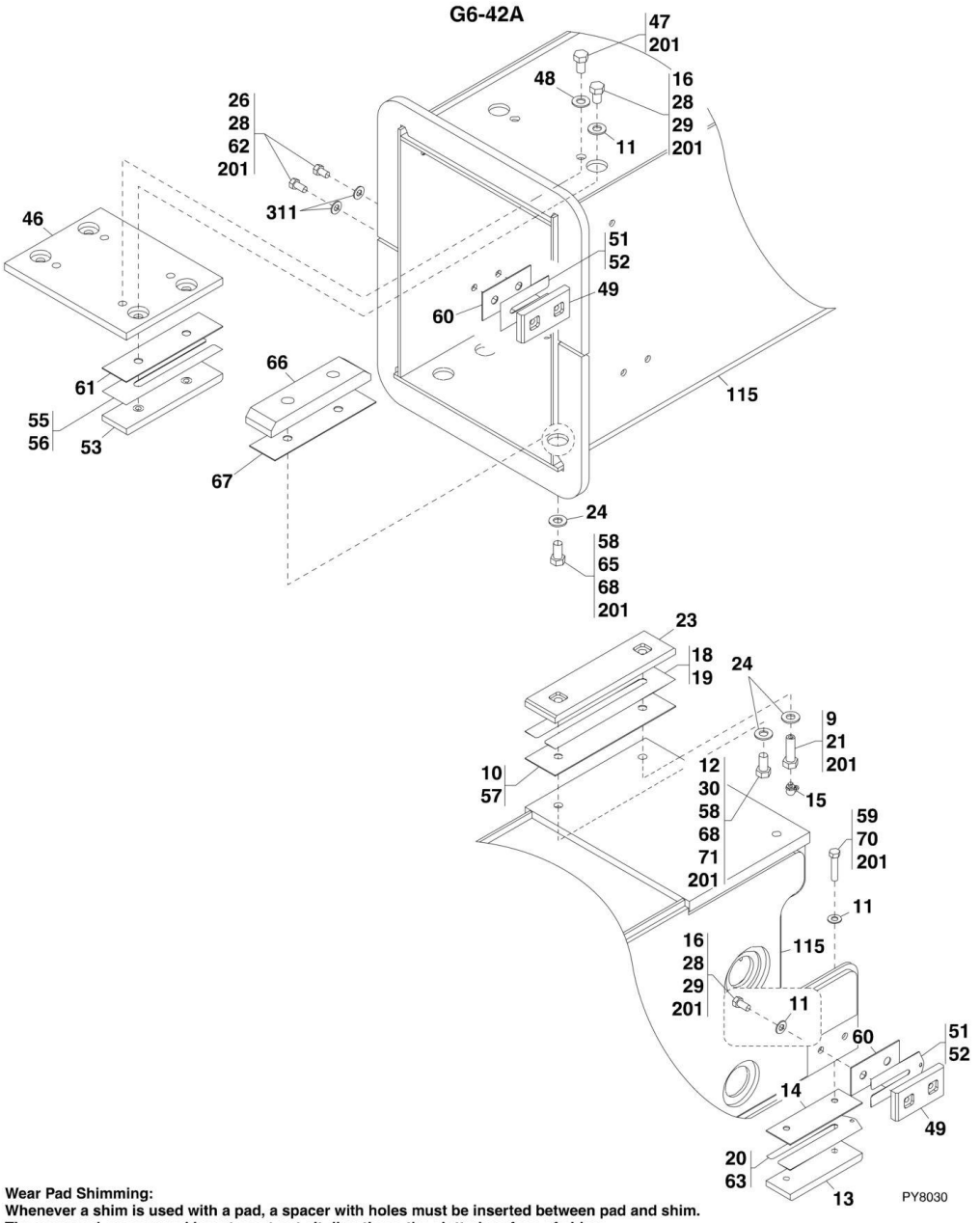
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FIGURE 2-3. FIRST BOOM SECTION G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
11	91511100	2	SPACER	
12	90027471	14	WASHER, 1/2	
13	0651812	AR	HEX HD CAPSCREW, 1/2-20X1-1/2, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
16	0651607	AR	HEX HD CAPSCREW, 3/8-24X7/8, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
17	0651808	AR	HEX HD CAPSCREW, 1/2-20X1, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
18	91511101	AR	SHIM, 0.0598	
19	91511102	AR	SHIM, 0.0359	
22	1001117656	2	WEAR PAD	
26	0651810	AR	HEX HD CAPSCREW, 1/2-20X1-1/4, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
27	0651606	AR	HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
29	90027470	8	WASHER, 3/8	
30	0651814	AR	HEX HD CAPSCREW, 1/2-20X1-3/4, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
54	91403530	4	WEAR PAD	
55	91401223	4	SPACER	
56	91471226	AR	SHIM, 0.0598	
57	91471227	AR	SHIM, 0.0359	
59	91401450	2	SPACER	
60	91401456	AR	SHIM, 0.0598	
61	91401457	AR	SHIM, 0.0359	
70	91516009	1	WELDMENT	
108	91511039	1	SUPPORT PLATE	
109	0641810	4	HEX HD CAPSCREW, 1/2-12X1-1/4, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
110	91511038	1	SUPPORT PLATE	
111	0641708	4	HEX HD CAPSCREW, 7/16-14X1	
112	4711700	4	WASHER, 7/16	
113	0651608	AR	HEX HD CAPSCREW, 3/8-24X1, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
121	1001117654	2	WEAR PAD	
201	0100011	AR	LOCTITE 242	

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FIGURE 2-4. SECOND BOOM SECTION G6-42A



Note: **Wear Pad Shimming:**
Whenever a shim is used with a pad, a spacer with holes must be inserted between pad and shim.
The wear pad or wear pad insert must not sit directly on the slotted surface of shims.
Add wear pad shims and spacers as required to shim boom to maintain a total minimum gap of 0.070 to 0.130 in (1,8 to 3,3 mm) in both horizontal and vertical directions.
Wear pad bolts require one hardened washer. However, up to (2) hardened washers may be used except where noted otherwise. Under no circumstances should more than (2) hardened washers ever be used.The length of pad bolts depends on the number of the shims used. The bolt cannot extend past chamfer on wear pad.
Add Mystik Tetrimoly Grease (14404793) to all wear pads and all wear pad slide pathways. If applicable, this includes all pad grease fittings at the rear of boom.

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FIGURE 2-4. SECOND BOOM SECTION G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
9	91161222	AR	HOLLOW HEX HD CAPSCREW, 1/2-20X1-1/2, (torque to 45-50 lb-ft/61-68 Nm)	
10	91401451	2	SPACER	
11	90027470	16	WASHER, 3/8	
12	0651812	AR	HEX HD CAPSCREW, 1/2-20X1-1/2, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
13	91403531	2	WEAR PAD	
14	91401225	2	SPACER	
15	88671027	2	GREASE FITTING	
16	0651607	AR	HEX HD CAPSCREW, 3/8-24X7/8, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
18	91401453	AR	SHIM, 0.0598	
19	91401454	AR	SHIM, 0.0359	
20	91471228	AR	SHIM, 0.0598	
21	88991005	AR	HOLLOW HEX HD CAPSCREW, 1/2-20X1-1/4, (torque to 45-50 lb-ft/61-68 Nm)	
23	1001117655	2	WEAR PAD	
24	90027471	4	WASHER, 1/2	
26	0651605	AR	HEX HD CAPSCREW, 3/8-24X5/8, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
28	0651606	AR	HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
29	0651608	AR	HEX HD CAPSCREW, 3/8-24X1, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
30	0651810	AR	HEX HD CAPSCREW, 1/2-20X1-1/4, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
46	91401197	1	SUPPORT PLATE	
47	0641807	AR	HEX HD CAPSCREW, 1/2-13X7/8, GR5	
48	4711800	4	WASHER, 1/2	
49	91403530	6	WEAR PAD	
51	91471227	AR	SHIM, 0.0359	
52	91471226	AR	SHIM, 0.0598	
53	91403532	2	WEAR PAD	
55	91401215	AR	SHIM, 0.0598	
56	91401216	AR	SHIM, 0.0359	
57	91401191	2	SPACER	
58	0651806	AR	HEX HD CAPSCREW, 1/2-20X3/4, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
59	0651614	AR	HEX HD CAPSCREW, 3/8-24X1-3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
60	91401223	6	SPACER	
61	91401224	2	SPACER	
62	88201530	AR	HEX HD CAPSCREW, 3/8-24X1/2, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
63	91471229	AR	SHIM, 0.0359	
65	0651805	AR	HEX HD CAPSCREW, 1/2-20X5/8, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
66	1001117654	2	WEAR PAD	
67	91401450	2	SPACER	
68	0651807	AR	HEX HD CAPSCREW, 1/2-20X7/8, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
70	0651616	AR	HEX HD CAPSCREW, 3/8-24X2, GR5, (torque to 32-37 lb-ft/43-50 Nm)	

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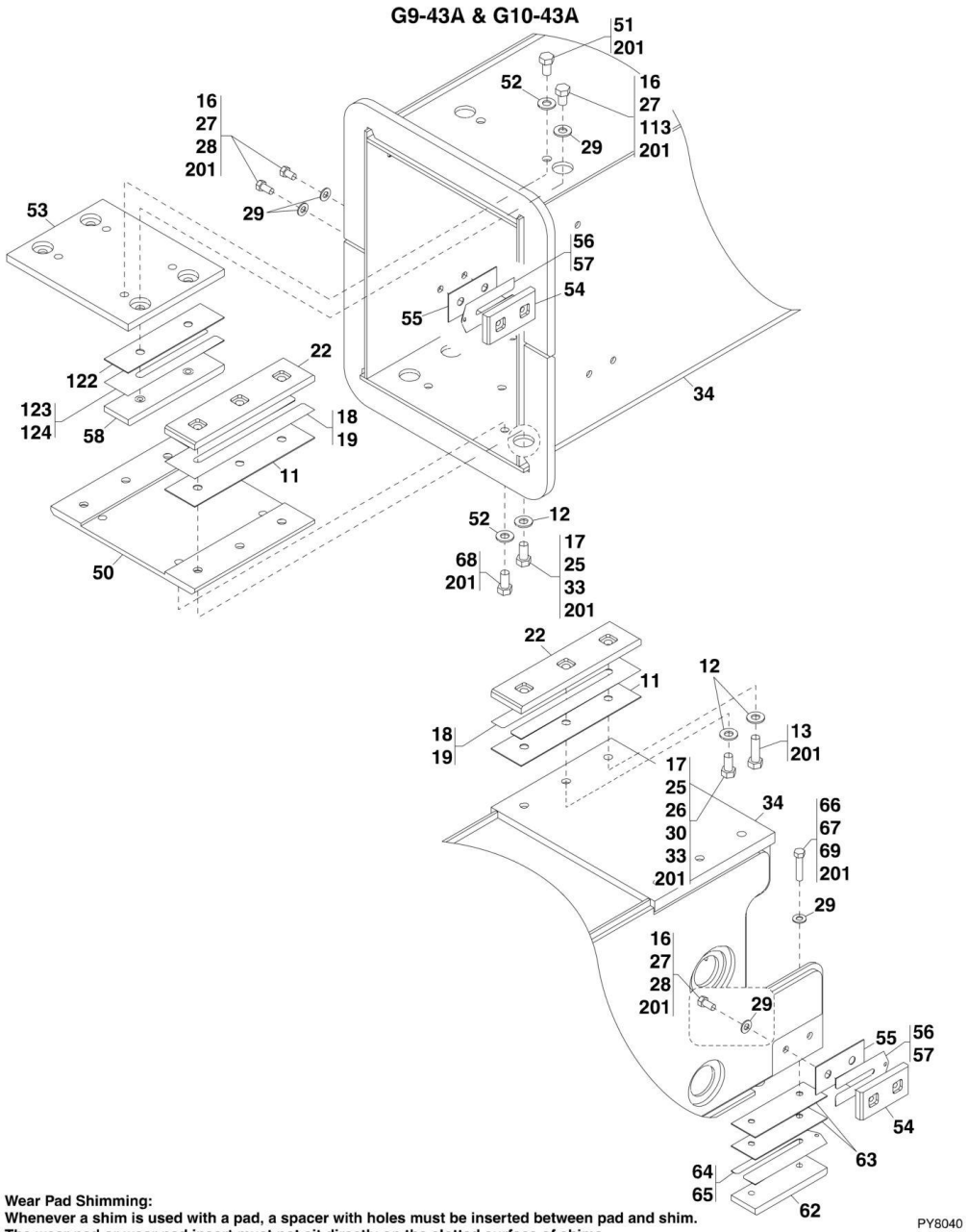
SECTION 2 - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
71	0651808	AR	HEX HD CAPSCREW, 1/2-20X1, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
115	91476042B	1	WELDMENT	
201	0100011	AR	LOCTITE 242	

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FIGURE 2-5. SECOND BOOM SECTION G9-43A & G10-43A



Note: **Wear Pad Shimming:**
Whenever a shim is used with a pad, a spacer with holes must be inserted between pad and shim.
The wear pad or wear pad insert must not sit directly on the slotted surface of shims.
Add wear pad shims and spacers as required to shim boom to maintain a total minimum gap of 0.070 to 0.130 in (1,8 to 3,3 mm) in both horizontal and vertical directions.
Wear pad bolts require one hardened washer. However, up to (2) hardened washers may be used except where noted otherwise. Under no circumstances should more than (2) hardened washers ever be used.The length of pad bolts depends on the number of the shims used. The bolt cannot extend past chamfer on wear pad.
Add Mystik Tetrimoly Grease (14404793) to all wear pads and all wear pad slide pathways. If applicable, this includes all pad grease fittings at the rear of boom.

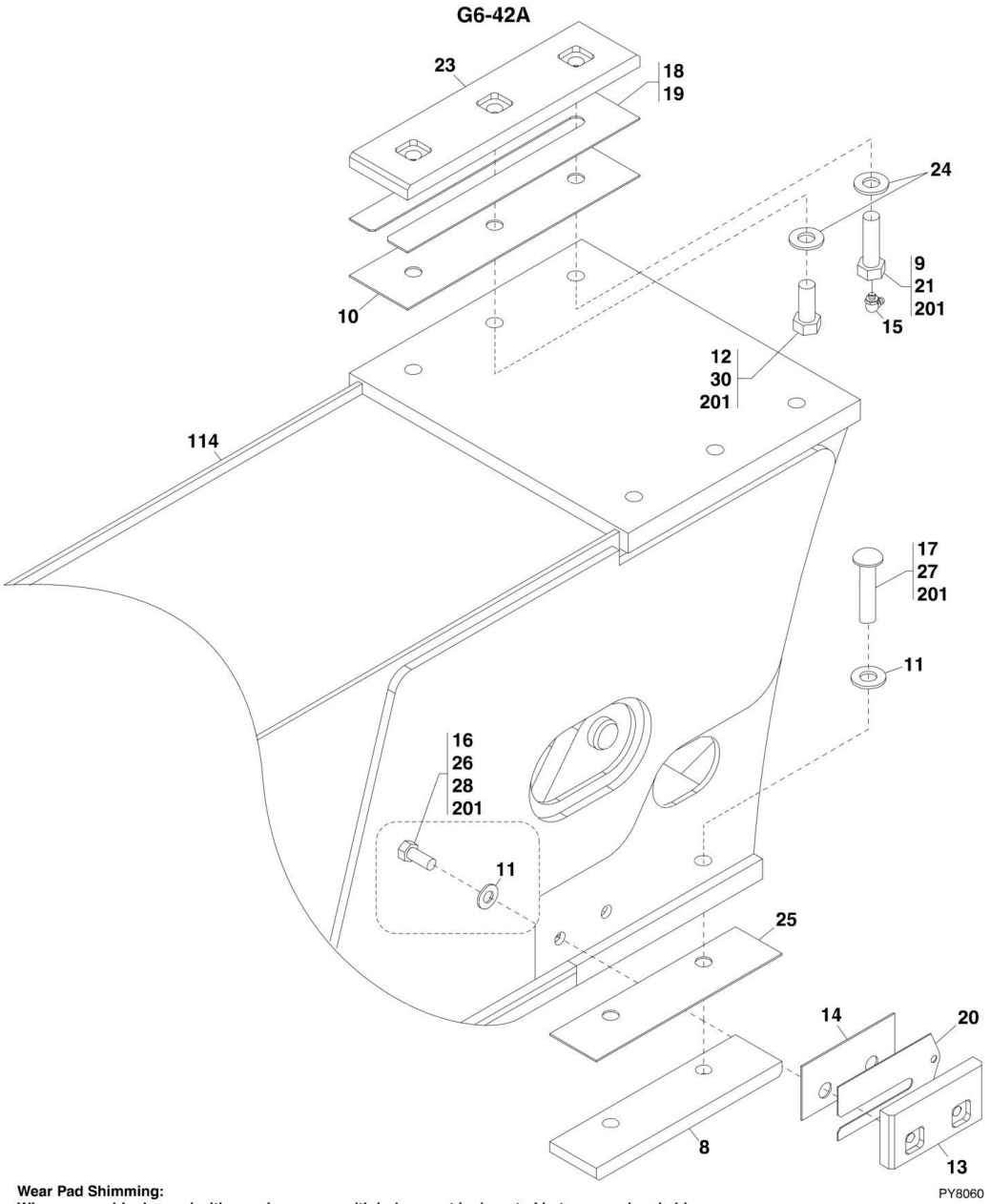
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FIGURE 2-5. SECOND BOOM SECTION G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
11	91511100	4	SPACER	
12	90027471	8	WASHER, 1/2	
13	0651812	2	HEX HD CAPSCREW, 1/2-20X1-1/2, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
16	0651607	AR	HEX HD CAPSCREW, 3/8-24X7/8, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
17	0651808	AR	HEX HD CAPSCREW, 1/2-20X1, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
18	91511101	AR	SHIM, 0.0598	
19	91511102	AR	SHIM, 0.0359	
22	1001117656	2	WEAR PAD	
25	0651807	AR	HEX HD CAPSCREW, 1/2-20X7/8, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
26	0651810	AR	HEX HD CAPSCREW, 1/2-20X1-1/4, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
27	0651606	AR	HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
28	0651605	AR	HEX HD CAPSCREW, 3/8-24X5/8, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
29	90027470	16	WASHER, 3/8	
30	0651814	AR	HEX HD CAPSCREW, 1/2-20X1-3/4, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
33	0651806	AR	HEX HD CAPSCREW, 1/2-20X3/4, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
34	1001102967B	1	WELDMENT	
50	91511008	1	SUPPORT PLATE	
51	0641807	4	HEX HD CAPSCREW, 1/2-13X7/8, GR5	
52	4711800	4	WASHER, 1/2	
53	1001102973	1	SUPPORT PLATE	
54	91403530	6	WEAR PAD	
55	91401223	6	SPACER	
56	91471226	AR	SHIM, 0.0598	
57	91471227	AR	SHIM, 0.0359	
58	91403532	6	WEAR PAD	
62	91513074	2	WEAR PAD	
63	91511094	4	SPACER	
64	91361049	AR	SHIM, 0.0598	
65	91511096	AR	SHIM, 0.0359	
66	0651614	AR	HEX HD CAPSCREW, 3/8-24X1-3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
67	0651612	AR	HEX HD CAPSCREW, 3/8-24X1-1/2, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
68	0641806	4	HEX HD CAPSCREW, 1/2-12X3/4, GR5	
69	0651616	AR	HEX HD CAPSCREW, 3/8-24X2, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
113	0651608	AR	HEX HD CAPSCREW, 3/8-24X1, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
122	91401224	2	SPACER	
123	91401215	AR	SHIM, 0.0598	
124	91401216	AR	SHIM, 0.0359	
201	0100011	AR	LOCTITE 242	

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FIGURE 2-6. THIRD BOOM SECTION G6-42A



Note: **Wear Pad Shimming:**
Whenever a shim is used with a pad, a spacer with holes must be inserted between pad and shim.
The wear pad or wear pad insert must not sit directly on the slotted surface of shims.
Add wear pad shims and spacers as required to shim boom to maintain a total minimum gap of 0.070 to 0.130 in (1,8 to 3,3 mm) in both horizontal and vertical directions.
Wear pad bolts require one hardened washer. However, up to (2) hardened washers may be used except where noted otherwise. Under no circumstances should more than (2) hardened washers ever be used.The length of pad bolts depends on the number of the shims used. The bolt cannot extend past chamfer on wear pad.
Add Mystik Tetrimoly Grease (14404793) to all wear pads and all wear pad slide pathways. If applicable, this includes all pad grease fittings at the rear of boom.

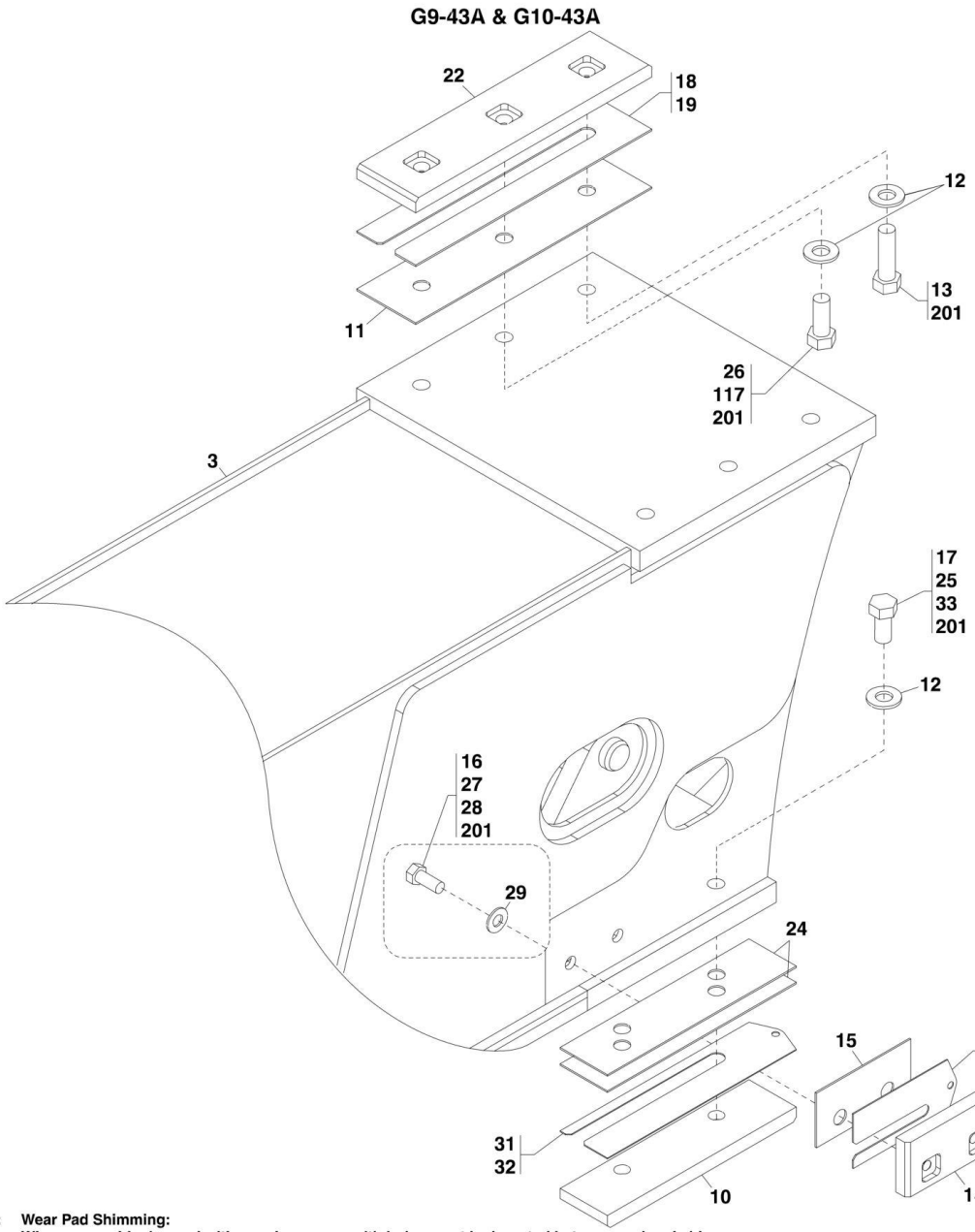
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FIGURE 2-6. THIRD BOOM SECTION G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
8	91403533	2	WEAR PAD	
9	91161222	AR	HOLLOW HEX HD CAPSCREW, 1/2-20X1-1/2, (torque to 45-50 lb-ft/61-68 Nm)	
10	91401451	2	SPACER	
11	90027470	8	WASHER, 3/8	
12	0651812	AR	HEX HD CAPSCREW, 1/2-20X1-1/2, GR5	
13	91403531	2	WEAR PAD	
14	91401225	2	SPACER	
15	88671027	2	GREASE FITTING	
16	0651607	AR	HEX HD CAPSCREW, 3/8-24X7/8, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
17	88261128	AR	BUTTON HD CAPSCREW, 3/8-24X1, (torque to 32-37 lb-ft/43-50 Nm)	
18	91401453	AR	SHIM, 0.0598	
19	91401454	AR	SHIM, 0.0359	
20	91471228	AR	SHIM, 0.0598	
21	88991005	AR	HOLLOW HEX HD CAPSCREW, 1/2-20X1-1/4, (torque to 45-50 lb-ft/61-68 Nm)	
23	1001117655	2	WEAR PAD	
24	90027471	6	WASHER, 1/2	
25	91401226	2	SPACER	
26	0651605	AR	HEX HD CAPSCREW, 3/8-24X5/8, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
27	88261129	AR	BUTTON HD CAPSCREW, 3/8-24X1-1/4	
28	0651606	AR	HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
30	0651810	AR	HEX HD CAPSCREW, 1/2-20X1-1/4, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
114	1001102575B	1	WELDMENT	
201	0100011	AR	LOCTITE 242	

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FIGURE 2-7. THIRD BOOM SECTION G9-43A & G10-43A



Note: **Wear Pad Shimming:**
Whenever a shim is used with a pad, a spacer with holes must be inserted between pad and shim.
The wear pad or wear pad insert must not sit directly on the slotted surface of shims.
Add wear pad shims and spacers as required to shim boom to maintain a total minimum gap of 0.070 to 0.130 in (1,8 to 3,3 mm) in both horizontal and vertical directions.
Wear pad bolts require one hardened washer. However, up to (2) hardened washers may be used except where noted otherwise. Under no circumstances should more than (2) hardened washers ever be used.The length of pad bolts depends on the number of the shims used. The bolt cannot extend past chamfer on wear pad.
Add Mystik Tetrimoly Grease (14404793) to all wear pads and all wear pad slide pathways. If applicable, this includes all pad grease fittings at the rear of boom.

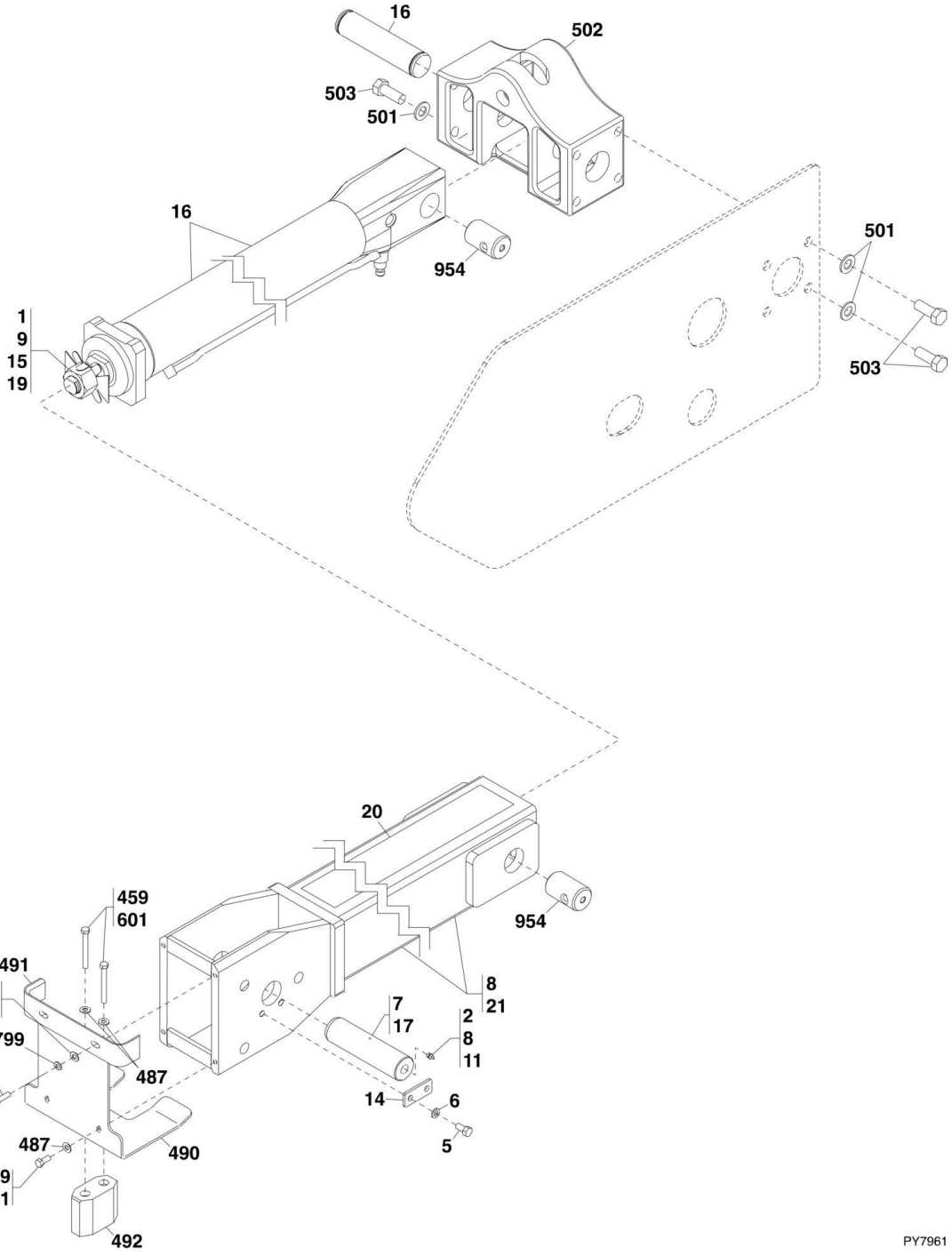
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FIGURE 2-7. THIRD BOOM SECTION G9-43A & G10-43A

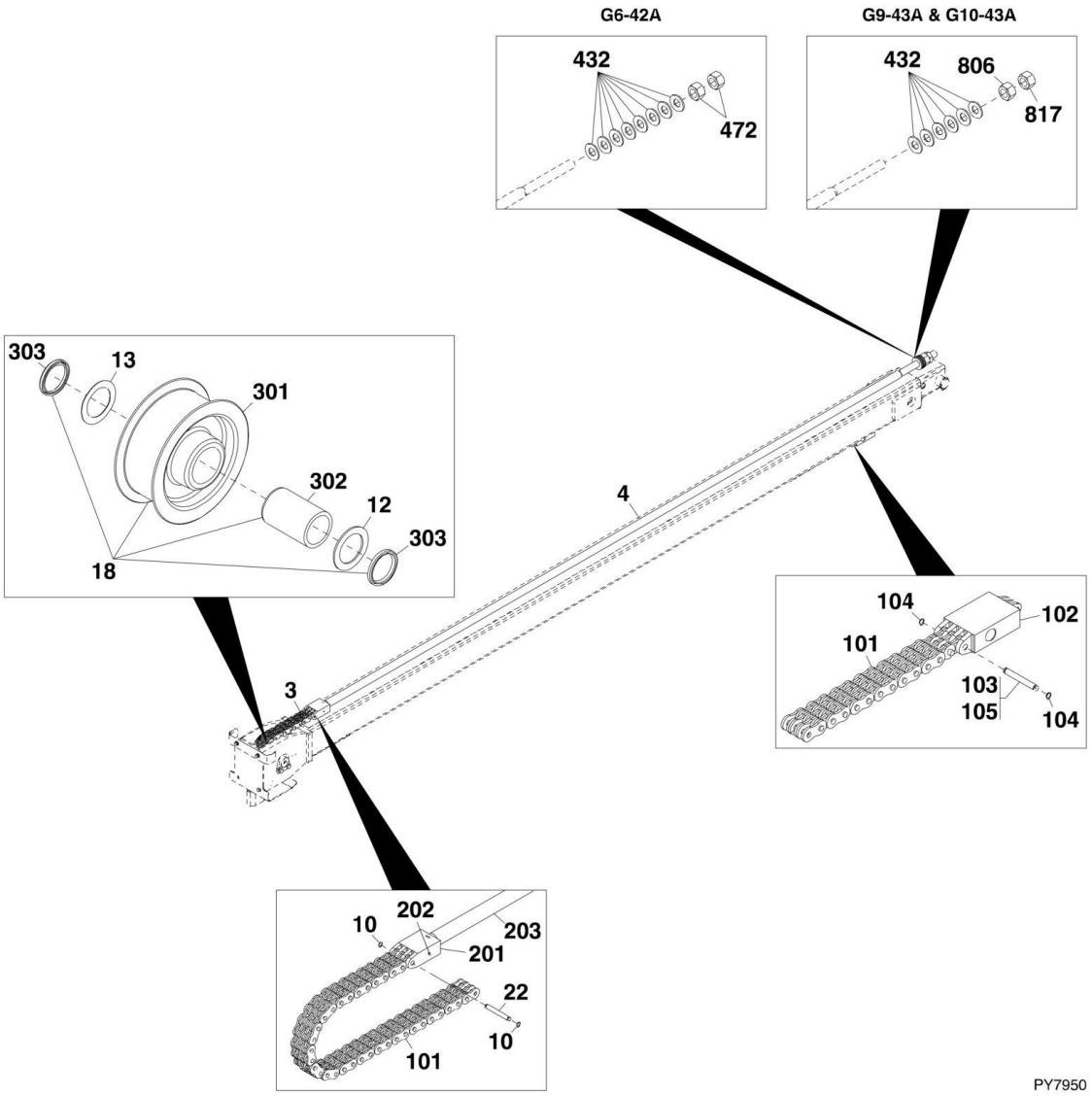
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
3	1001102958B	1	WELDMENT	
10	1001117658	2	WEAR PAD	
11	91511100	2	SPACER	
12	90027471	6	WASHER, 1/2	
13	0651812	AR	HEX HD CAPSCREW, 1/2-20X1-1/2, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
14	91403531	2	WEAR PAD	
15	91401225	2	SPACER	
16	0651607	AR	HEX HD CAPSCREW, 3/8-24X7/8, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
17	0651808	AR	HEX HD CAPSCREW, 1/2-20X1, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
18	91511101	AR	SHIM, 0.0598	
19	91511102	AR	SHIM, 0.0359	
20	91471229	AR	SHIM, 0.0359	
22	1001117656	2	WEAR PAD	
23	91471228	AR	SHIM, 0.0598	
24	91511097	2	SPACER	
25	0651807	AR	HEX HD CAPSCREW, 1/2-20X7/8, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
26	0651810	AR	HEX HD CAPSCREW, 1/2-20X1-1/4, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
27	0651606	AR	HEX HD CAPSCREW, 3/8-24X3/4, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
28	0651605	AR	HEX HD CAPSCREW, 3/8-24X5/8, GR5, (torque to 32-37 lb-ft/43-50 Nm)	
29	90027470	4	WASHER, 3/8	
31	91511098	AR	SHIM, 0.0598	
32	91511099	AR	SHIM, 0.0359	
33	0651806	AR	HEX HD CAPSCREW, 1/2-20X3/4, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
117	0651811	AR	HEX HD CAPSCREW, 1/2-20X1-3/8, GR5, (torque to 76-86 lb-ft/103-117 Nm)	
201	0100011	AR	LOCTITE 242	

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FIGURE 2-8. PUSH BEAM/EXTEND CHAIN



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FIGURE 2-8. PUSH BEAM/EXTEND CHAIN

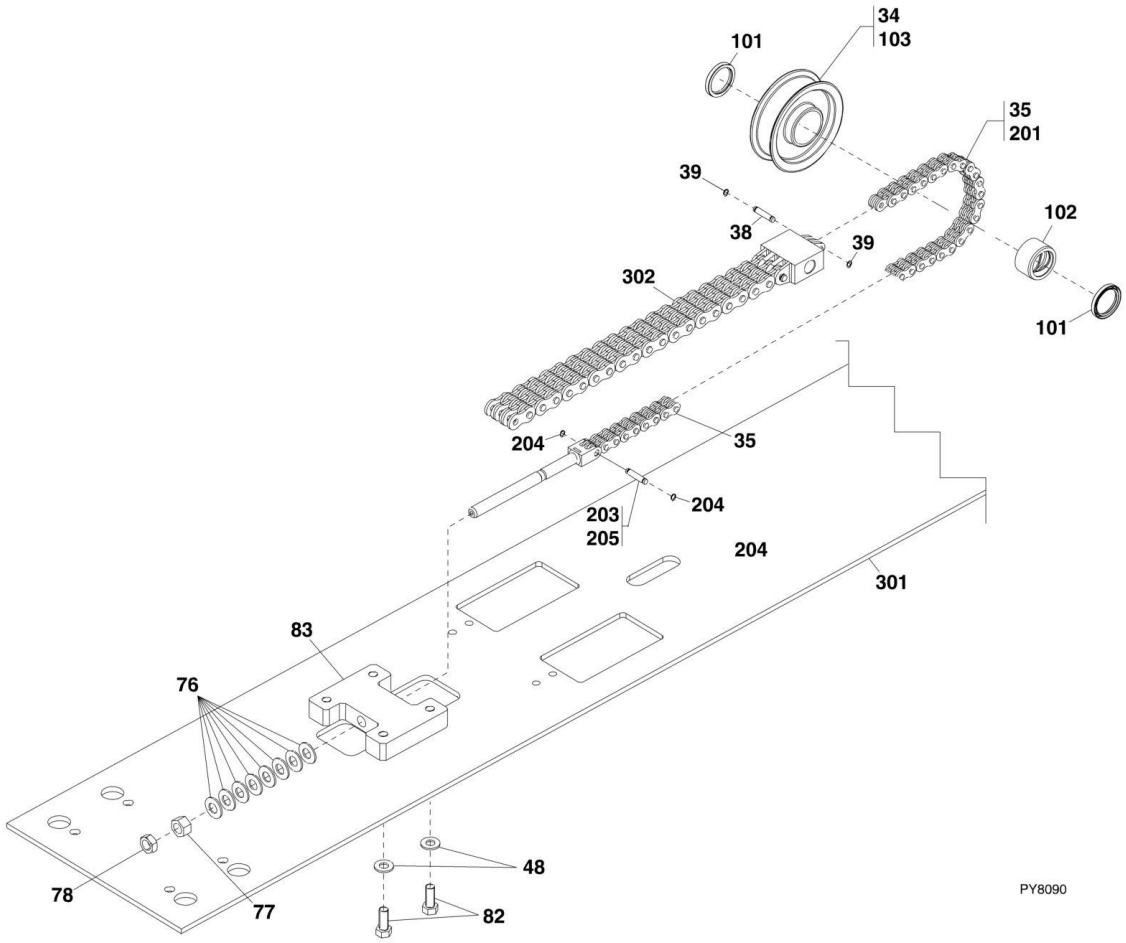
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275798	Ref	PUSH BEAM/EXTEND CHAIN INSTALLATION, (G6-42A), (not available to order, see items 1 thru 22 for service)	D
	0275799	Ref	PUSH BEAM/EXTEND CHAIN INSTALLATION, (G9-43A & G10-43A), (not available to order, see items 1 thru 22 for service)	D
1	0100011	AR	LOCTITE 242	
2	0100075	AR	LOCTITE 545, (G6-42A)	
3	0274674	Ref	EXTEND CHAIN INSTALLATION, (G6-42A), (not available to order, see items 101 thru 105 for service)	C
3	0274676	Ref	EXTEND CHAIN INSTALLATION, (G9-43A & G10-43A), (not available to order, see items 101 thru 105 for service)	C
4	0274799	Ref	CHAIN CLEVIS INSTALLATION, (G6-42A), (not available to order, see items 201 thru 203 for service)	C
4	0274800	Ref	CHAIN CLEVIS INSTALLATION, (G9-43A & G10-43A), (not available to order, see items 201 thru 203 for service)	C
5	0641808	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
6	4761800	2	LOCKWASHER, 1/2	
7	14403323	AR	LUBE	
8	14404793	AR	MYSTIK TETRIMOLY GREASE	
9		Ref	HEX NUT, 3/8-12, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
10	88581112	2	SNAP RING, (G6-42A)	
10	88581115	2	SNAP RING, (G9-43A & G10-43A)	
11	88671001	1	GREASE FITTING	
12	91041451	1	SHIM	
13	91041596	1	SHIM	
14	91401189	1	KEEPER PLATE	
15		Ref	WASHER TAB, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
16		Ref	EXTEND/RETRACT CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
17	91403017	1	PIN, (G6-42A)	
17	91513018	1	PIN, (G9-43A & G10-43A)	
18	91403045	1	EXTEND CHAIN ROLLER ASSY, (G6-42A), (includes items 301 thru 303)	B
18	91513016	1	EXTEND CHAIN ROLLER ASSY, (G9-43A & G10-43A), (includes items 301 thru 303)	B
19		Ref	WASHER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
20	91513029	156 in	TAPE, (G6-42A)	
20	91513029	160 in	TAPE, (G9-43A & G10-43A)	
21	91406015	1	WELDMENT, (G6-42A)	
21	91516008	1	WELDMENT, (G9-43A & G10-43A)	
22	91413122	1	PIN, (G6-42A)	
22	91513176	1	PIN, (G9-43A & G10-43A)	
101	91403432	1	CHAIN, BL866, (G6-42A)	
101	91513028	1	CHAIN, BL1066, (G9-43A & G10-43A)	
102	1360298	1	CLEVIS, (G6-42A)	
102	1360302	1	CLEVIS, (G9-43A & G10-43A)	
103	91413123	1	PIN, (G6-42A)	
103	91513176	1	PIN, (G9-43A & G10-43A)	
104	88581112	2	SNAP RING, (G6-42A)	
104	88581115	2	SNAP RING, (G9-43A & G10-43A)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
105	8522012	AR	ANTI-SEIZE LUBE	
201	1360306	1	CLEVIS, (G6-42A)	
201	1360305	1	CLEVIS, (G9-43A & G10-43A)	
202	91403044	1	PIN, (G6-42A)	
202	91513006	1	PIN, (G9-43A & G10-43A)	
203	91503014	1	ROD, (G6-42A)	
203	91513175	1	ROD, (G9-43A & G10-43A)	
301	91403042	1	ROLLER, (G6-42A)	
301	91513015	1	ROLLER, (G9-43A & G10-43A)	
302	91403047	1	BUSHING, (G6-42A)	
302	91513017	1	BUSHING, (G9-43A & G10-43A)	
303	91403119	2	SEAL	
432	91413139	8	WASHER, 7/8, (G6-42A)	
432	91513200	6	WASHER, (G9-43A & G10-43A)	
459	0651614	2	HEX HD CAPSCREW, 3/8-24X1-3/4, GR5, (G6-42A)	
459	0651624	2	HEX HD CAPSCREW, 3/8-24X3, GR5, (G9-43A & G10-43A)	
472	91403493	2	HEX NUT, (G6-42A)	
487	4711600	6	WASHER, (G6-42A)	
487	4711600	4	WASHER, (G6-42A)	
488	0681610	2	HEX HD CAPSCREW, 3/8-16X1-1/4, GR8, (G6-42A)	
488	0641610	2	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5, (G9-43A & G10-43A)	
489	0641607	2	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
490	91401204	1	BRACKET, (G6-42A)	
490	91511048	1	BRACKET, (G9-43A & G10-43A)	
491	91401568	1	GUIDE BAR, (G6-42A)	
491	91511047	1	GUIDE BAR, (G9-43A & G10-43A)	
492	91403087	1	WEAR PAD, (G6-42A)	
492	1001102974	1	WEAR PAD, (G9-43A & G10-43A)	
501	4712000	8	WASHER, 5/8, (G6-42A)	
501	4712200	8	WASHER, 3/4, (G9-43A & G10-43A)	
502	91403061	1	WELDMENT, (G6-42A)	
502	91513003	1	WELDMENT, (G9-43A & G10-43A)	
503	0642012	8	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5, (G6-42A)	
503	0642216	8	HEX HD CAPSCREW, 3/4-10X2, GR5, (G9-43A & G10-43A)	
601	0100011	AR	LOCTITE 242	
729	90027470	2	WASHER, 3/8, (G9-43A & G10-43A)	
799	4761600	2	LOCKWASHER, 3/8, (G9-43A & G10-43A)	
806	88501020	1	HEX NUT, 1/4-7, GR8, (G9-43A & G10-43A)	
817	88501120	1	HEX NUT, 1/4-7, GR8, (G9-43A & G10-43A)	
954	91141128	2	PIN	

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FIGURE 2-9. RETRACT CHAINS



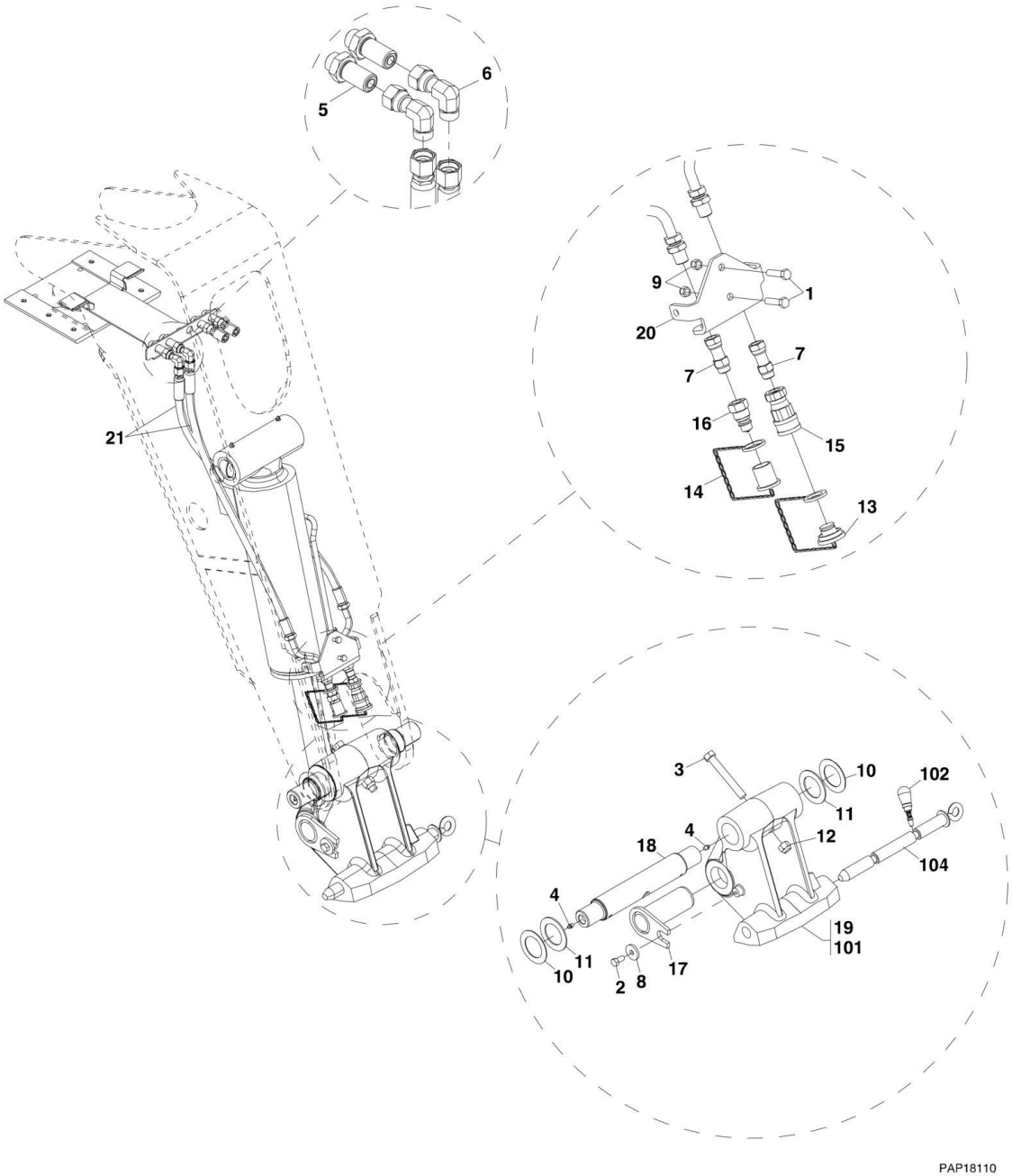
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FIGURE 2-9. RETRACT CHAINS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
34	91403519	1	ROLLER ASSY, (G6-42A), (includes items 101 thru 103)	B
34	91513242	1	ROLLER ASSY, (G9-43A & G10-43A), (includes items 101 thru 103)	B
35	0274669	Ref	CHAIN INSTALLATION, (G6-42A), (not available to order, see items 201 thru 205 for service)	C
35	0274672	Ref	CHAIN INSTALLATION, (G9-43A & G10-43A), (not available to order, see items 201 thru 205 for service)	C
38	91413127	1	PIN, (G6-42A)	
38	91513177	1	PIN, (G9-43A & G10-43A)	
39	88681344	2	RETAINING RING, (G6-42A)	
39	88581112	2	RETAINING RING, (G9-43A & G10-43A)	
48	4711800	4	WASHER, 1/2, (G6-42A)	
48	90027472	4	WASHER, 5/8, (G9-43A & G10-43A)	
76	91413138	8	WASHER, 5/8, (G6-42A)	
76	91513199	14	WASHER, 3/4, (G9-43A & G10-43A)	
77	88501310	1	HEX NUT, 5/8-18, GR5, (G6-42A)	
77	88501312	1	HEX NUT, 3/8-16, GR5, (G9-43A & G10-43A)	
78	88501410	1	HEX NUT, 5/8-18, GR5, (G6-42A)	
78	88501412	1	HEX NUT, 3/8-16, GR5, (G9-43A & G10-43A)	
82	0641810	4	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5, (G6-42A)	
82	0641812	4	HEX HD CAPSCREW, 5/8-11X1-1/2, GR5, (G9-43A & G10-43A)	
83	91401193	1	ANCHOR PLATE, (G6-42A)	
83	91511049	1	ANCHOR PLATE, (G9-43A & G10-43A)	
101	91409518	2	SEAL, (G6-42A)	
101	91403053	2	SEAL, (G9-43A & G10-43A)	
102	91403052	1	BUSHING, (G6-42A)	
102	91513011	1	BUSHING, (G9-43A & G10-43A)	
103	91403518	1	ROLLER, (G6-42A)	
103	91513241	1	ROLLER, (G9-43A & G10-43A)	
201	91403433	1	CHAIN, (G6-42A)	
201	91513035	1	CHAIN, (G9-43A & G10-43A)	
202	1360291	1	CLEVIS, (G6-42A)	
202	1360294	1	CLEVIS, (G9-43A & G10-43A)	
203	91413127	1	PIN, (G6-42A)	
203	91513177	1	PIN, (G9-43A & G10-43A)	
204	88681344	2	SNAP RING, (G6-42A)	
204	88581112	2	SNAP RING, (G9-43A & G10-43A)	
205	8522012	AR	ANTI-SEIZE LUBE	
301		Ref	THIRD BOOM SECTION, (See THIRD BOOM SECTION for Breakdown)	
302		Ref	EXTEND CHAIN, (See PUSH BEAM/EXTEND CHAIN for Breakdown)	

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FIGURE 2-10. MANUAL QUICK SWITCH



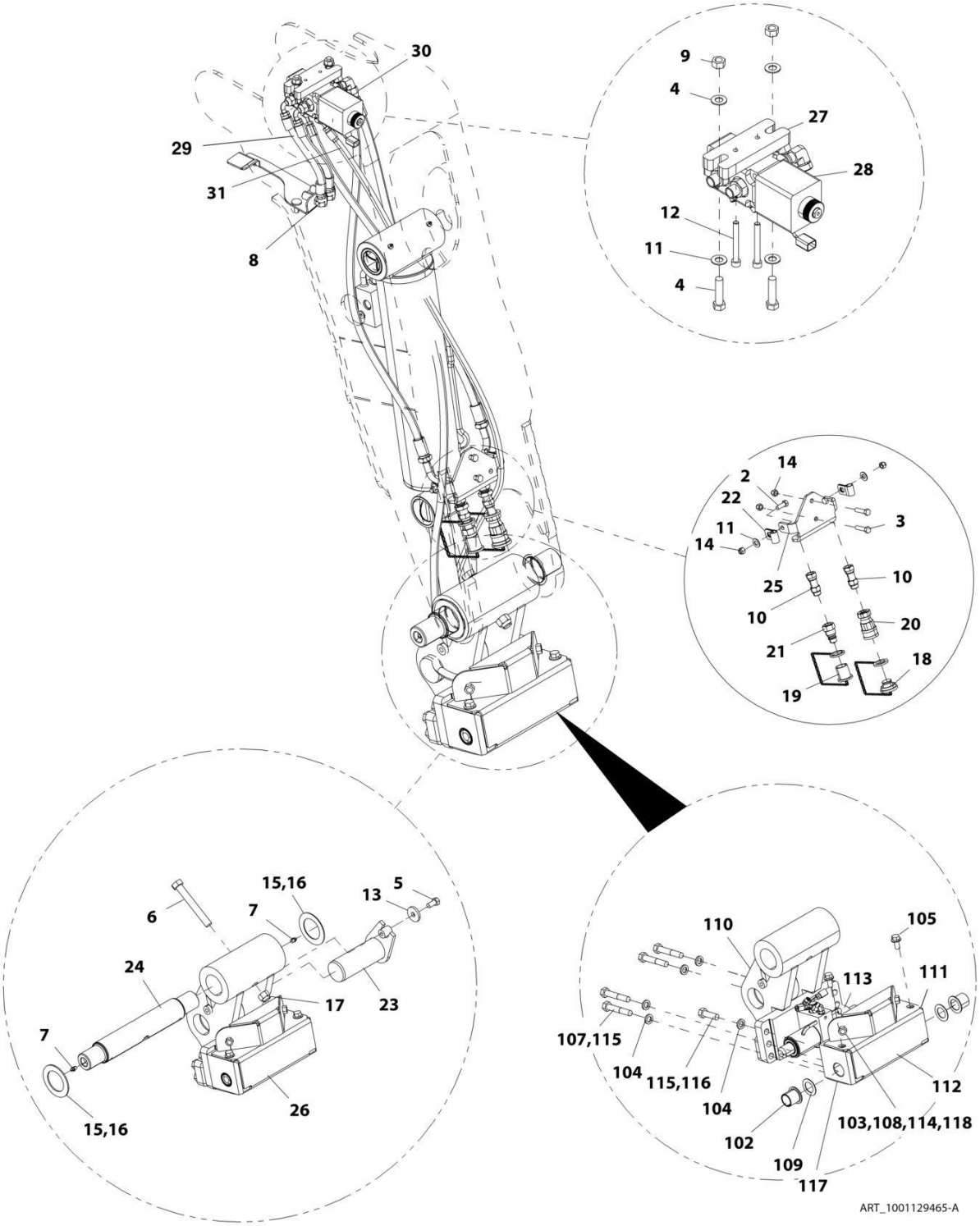
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FIGURE 2-10. MANUAL QUICK SWITCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001142243	Ref	MANUAL QUICK SWITCH INSTALLATION, (G6-42A), (not available to order, see items 1 thru 21 for service)	A
	1001142788	Ref	MANUAL QUICK SWITCH INSTALLATION, (G9-43A & G10-43A), (not available to order, see items 1 thru 21 for service)	A
1	0641612	2	HEX HD CAPSCREW, 3/8-16X1-1/2, GR5	
2	0641808	1	HEX HD CAPSCREW, 1/2-13X1, GR5	
3	0682244	1	HEX HD CAPSCREW, 3/4-10X5-1/2, GR8	
4	2160002	2	GREASE FITTING	
5	2171106	2	STRAIGHT FITTING, (includes o-ring), (G6-42A)	
5	2171108	2	STRAIGHT FITTING, (includes o-ring), (G9-43A & G10-43A)	
6	2172106	2	ADAPTER, 90, (includes o-ring), (G6-42A)	
6	2172108	2	ADAPTER, 90, (includes o-ring), (G9-43A & G10-43A)	
7	2180849	2	STRAIGHT FITTING, (includes o-ring)	
8	4740003	1	WASHER, 1/2	
9	8305645	2	HEX LOCK NUT, 3/8-16	
10	8307916	AR	SHIM	
11	8307917	AR	SHIM	
12	8310067	1	LOCKNUT, 3/4-10	
13	91043125	1	DUST PLUG	
14	91043126	1	DUST CAP	
15	91403413	1	FEMALE QUICK CONNECT	
16	91403414	1	MALE QUICK DISCONNECT	
17	1001098218	1	WELDMENT	
18	1001098233	1	PIN	
19	1001098382	1	QUICK SWITCH ASSY, (includes items 101 thru 104)	E
20	1001098425	1	BRACKET	
21	1001099889	2	HOSE ASSY, (G6-42A)	
21	1001099890	2	HOSE ASSY, (G9-43A & G10-43A)	
101	1001098174	1	QUICK SWITCH COUPLER	
102	1001143692	1	POPPIN PIN ASSY	
104	1001105441	1	QUICK SWITCH LOCK PIN	

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FIGURE 2-11. HYDRAULIC QUICK ATTACH



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FIGURE 2-11. HYDRAULIC QUICK ATTACH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001129465	Ref	HYDRAULIC QUICK SWITCH INSTALLATION, (G6-42A), (not available to order, see items 1 thru 31 for service)	A
	1001129466	Ref	HYDRAULIC QUICK SWITCH INSTALLATION, (G9-43A & G10-43A), (not available to order, see items 1 thru 31 for service)	A
1	0100011	AR	LOCTITE 242	
2	0641608	2	HEX HD CAPSCREW, 3/8-16X1	
3	0641612	2	HEX HD CAPSCREW, 3/8-16X1-1/2	
4	0641714	2	HEX HD CAPSCREW, 7/16-14X1-3/4	
5	0641808	1	HEX HD CAPSCREW, 1/2-13X1	
6	0682244	1	HEX HD CAPSCREW, 3/4-10X5-1/2	
7	2160002	2	STRAIGHT FITTING	
8	2171206	2	ADAPTER, 90, (includes o-ring) (G6-42A)	
8	2171208	2	ADAPTER, 90, (includes o-ring) (G9-43A & G10-43A)	
9	3311701	2	HEX NUT, 7/16-14	
10	2180849	2	ADAPTER	
11	4711700	6	WASHER, 7/16	
12	4031918	2	SOC HD CAPSCREW, M8X70	
13	4740003	1	FLAT WASHER	
14	8305645	4	HEX LOCK NUT	
15	8307916	AR	WASHER, SHIM	
16	8307917	AR	WASHER, SHIM	
17	8310067	1	HEX LOCK NUT	
18	91043125	1	DUST PLUG	
19	91043126	1	DUST CAP	
20	91043413	1	ADAPTER	
21	91043414	1	ADAPTER	
22	1001080996	2	P-CLAMP	
23	1001098218	1	PIN	
24	1001098233	1	PIVOT PIN	
25	1001098425	1	BRACKET	
26	1001120135	1	HYDRAULIC QUICK ATTACH INSTALLATION, (includes items 101 thru 118)	C
27	1001127353	1	VALVE ATTACHMENT PLATE	
28	1001126992	1	HYDRAULIC VALVE, (G6-42A)	
28	1001127006	1	HYDRAULIC VALVE, (G9-43A & G10-43A)	
29	1001126963	2	HOSE ASSY, (G6-42A)	
29	1001127007	2	HOSE ASSY, (G9-43A & G10-43A)	
30	1001126964	2	HOSE ASSY, (G6-42A)	
30	1001127008	2	HOSE ASSY, (G9-43A & G10-43A)	
31	1001126965	2	HOSE ASSY, (G6-42A)	
31	1001127009	2	HOSE ASSY, (G9-43A & G10-43A)	
101	0100011	AR	LOCTITE 242	
102	0440321	2	FLANGE BEARING	
103	0641807	2	HEX HD CAPSCREW, 1/2-13X7/8	
104	4762000	6	WASHER, 5/8	
105	0791808	2	SCREW, 1/2X13X1	
107	10700689	4	CAPSCREW, 0.625-18X3.50	
108	3311805	2	HEX LOCK NUT	
109	91561240	AR	SHIM	
110	1001120120	1	ADAPTER	

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SECTION 2 - BOOM

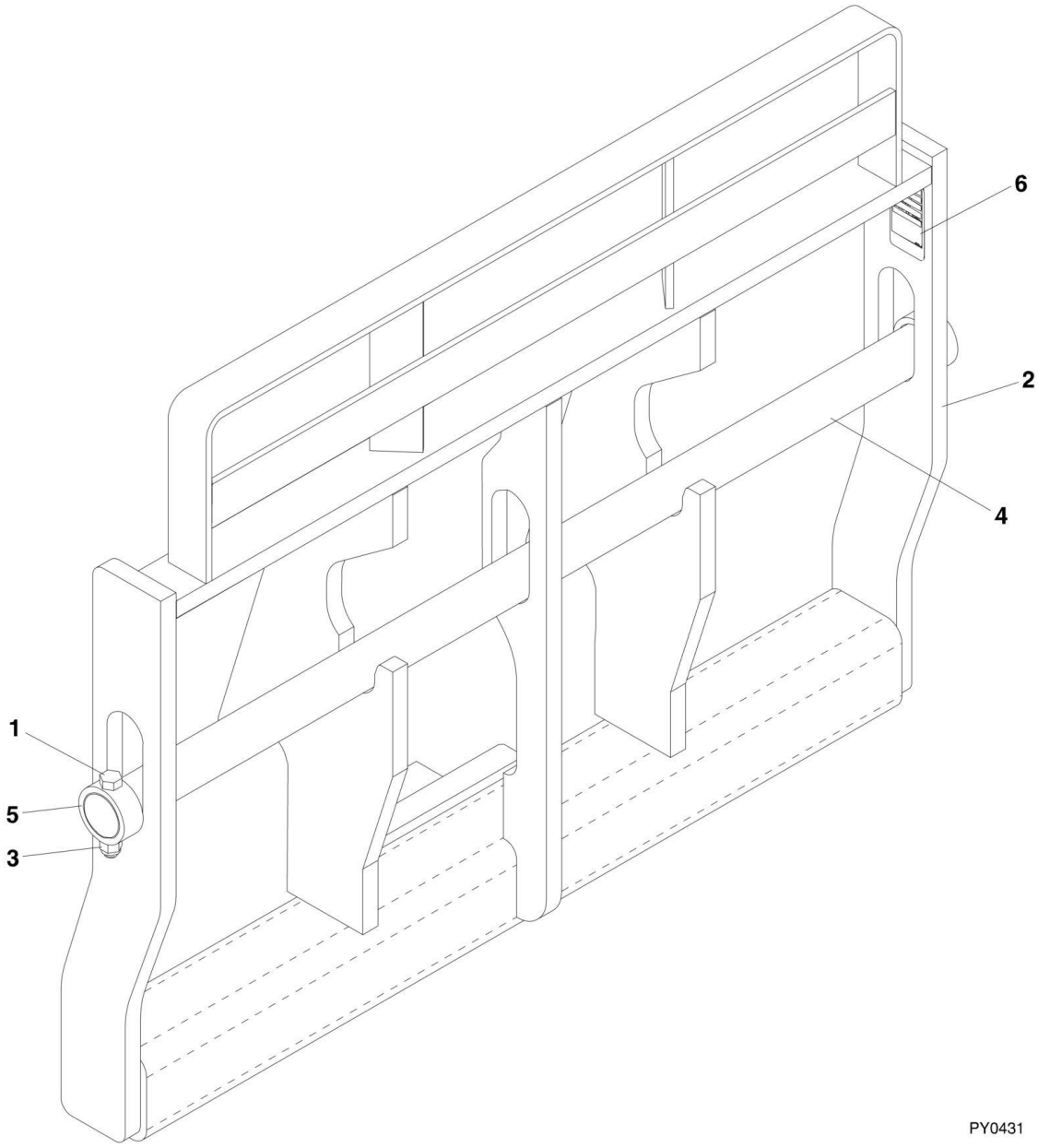
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
111	1001120124	1	CYLINDER ATTACHMENT PLATE	
112	1001120130	1	CYLINDER COVER	
112	1001120164	1	CYLINDER	
114	1001080996	2	P-CLAMP	
115	0100019	AR	LOCTITE 242	
116	10700683	2	CAPSCREW, 0.625-18X2	
117	1001145386	1	CYLINDER ATTACHMENT PLATE (Right)	
118	4711800	2	WASHER, 1/2	

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SECTION 3 - ATTACHMENTS

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FIGURE 3-1. TILT CARRIAGE (G6-42A Prior to SN 0160052010; G9-43A Prior to SN 0160051085; G10-43A Prior to SN 0160052011)



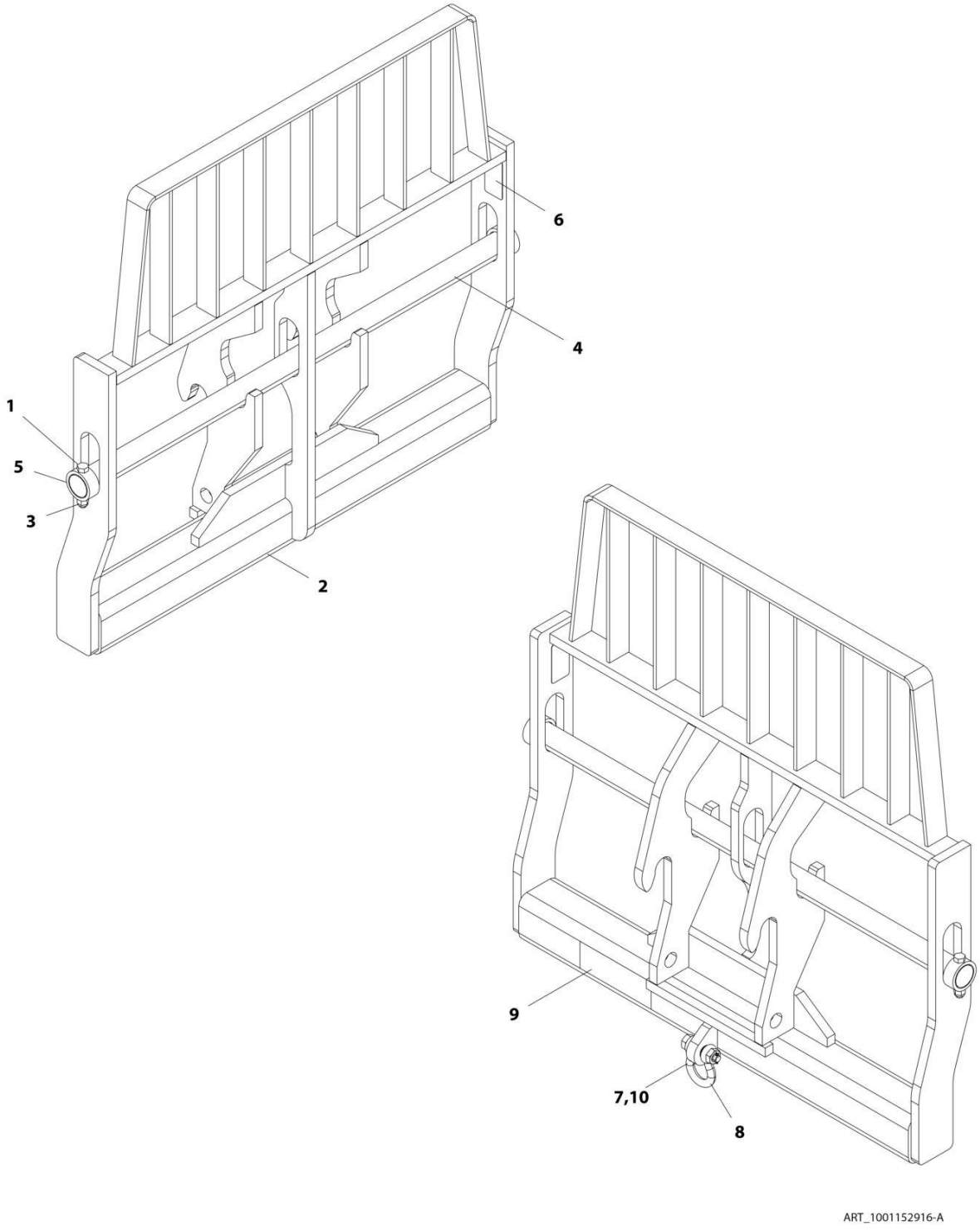
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FIGURE 3-1. TILT CARRIAGE (G6-42A Prior to SN 0160052010; G9-43A Prior to SN 0160051085; G10-43A Prior to SN 0160052011)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170021	1	50IN TILT CARRIAGE, (includes all items)	E
	1170024	1	60IN TILT CARRIAGE, (includes all items)	E
	1001132514	1	72IN TILT CARRIAGE, (includes all items)	B
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	

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FIGURE 3-2. TILT CARRIAGE (G6-42A SN 0160052010 to Present; G9-43A SN 0160051085 to Present; G10-43A SN 0160052011 to Present)



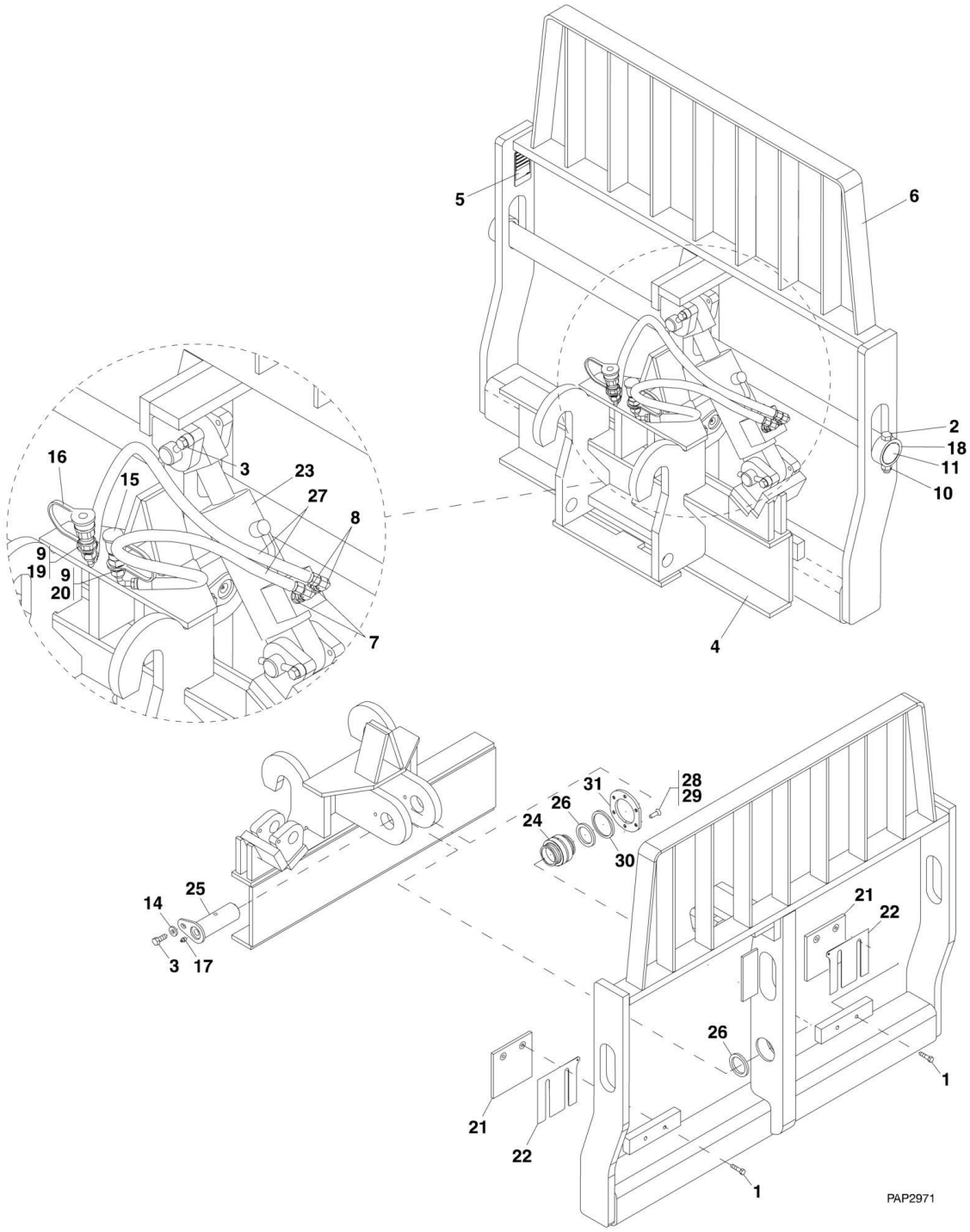
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FIGURE 3-2. TILT CARRIAGE (G6-42A SN 0160052010 to Present; G9-43A SN 0160051085 to Present; G10-43A SN 0160052011 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001146084	1	50 IN TILT CARRIAGE, (includes items 1 thru 10)	A
	1001146086	1	60 IN TILT CARRIAGE, (includes items 1 thru10)	A
	1001146088	1	72 IN TILT CARRIAGE, (includes items 1 thru 10)	A
1	0642032	2	HEX HD CAPSCREW, 5/8-11X4, GR5	
2	N.S.S.	1	TILT CARRIAGE	
3	3300240	2	LOCKNUT, 5/8-11	
4	3423275	1	50 IN FORK PIN	
4	3423242	1	60 IN FORK PIN	
4	3423276	1	72 IN FORK PIN	
5	90200003	2	COLLAR	
6	N.S.S.	1	S/N PLATE	
7	1001146159	1	SLEEVE	
8	1001146160	1	SHACKLE	
9	1001151561	1	DANGER SWING LOADS DECAL	
10	0100063	AR	LOCTITE 609, (apply to item 7)	

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FIGURE 3-3. SIDE TILT CARRIAGE



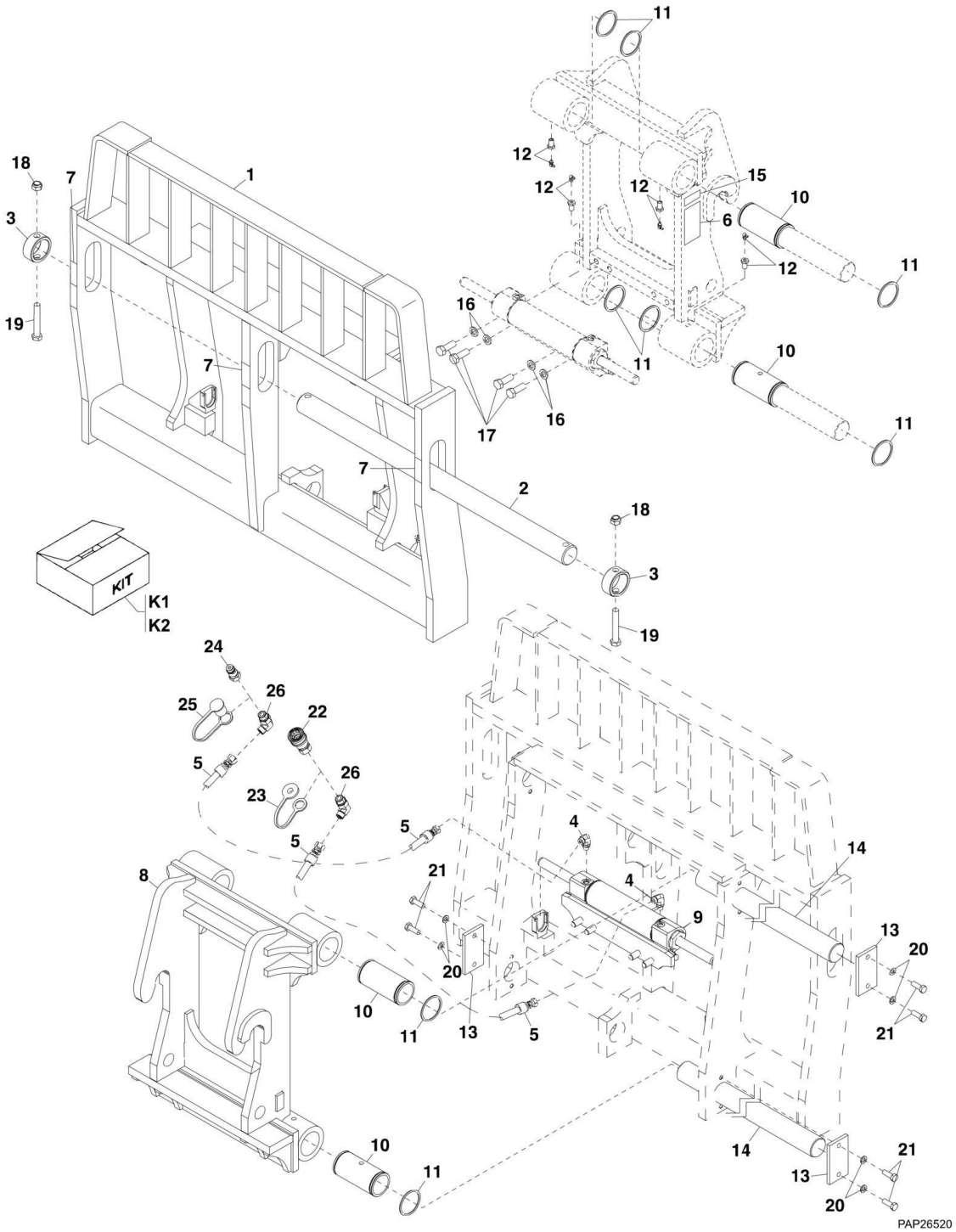
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FIGURE 3-3. SIDE TILT CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170054	1	50IN SIDE TILT CARRIAGE, (includes all items)	H
	1001101956	1	60IN SIDE TILT CARRIAGE, (includes all items)	H
	1170057	1	72IN SIDE TILT CARRIAGE, (includes all items)	H
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	ADAPTER, 90	
9	2110808	2	CONNECTOR, (50IN & 72IN)	
9	2110608	2	CONNECTOR, (60IN)	
10	3300240	2	LOCKNUT, 5/8-11	
11	3423275	1	50IN FORK PIN	
11	3423242	1	60IN FORK PIN	
11	3423276	1	72IN FORK PIN	
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	SIDE TILT CARRIAGE CYLINDER AND MOUNTING HARDWARE, (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 HD SOCKET SCREW, 3/8-16X1-1/4	
30	1001120914	1	BEARING RETAINER SHIM	
31	1001120915	1	BEARING RETAINER PLATE	

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FIGURE 3-4. 50IN SIDE SHIFT CARRIAGE



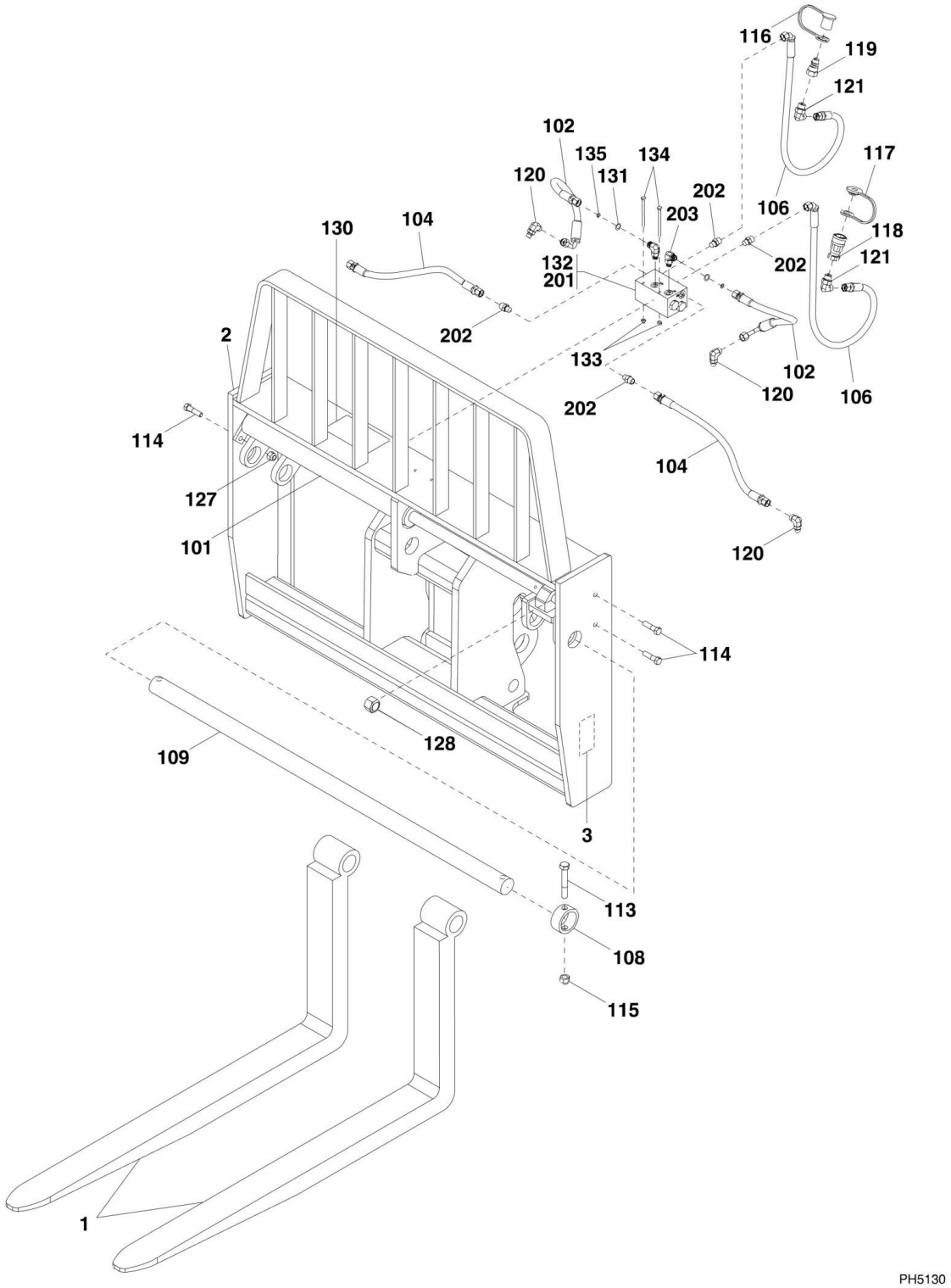
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FIGURE 3-4. 50IN SIDE SHIFT CARRIAGE

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

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FIGURE 3-5. 50IN DUAL FORK CARRIAGE



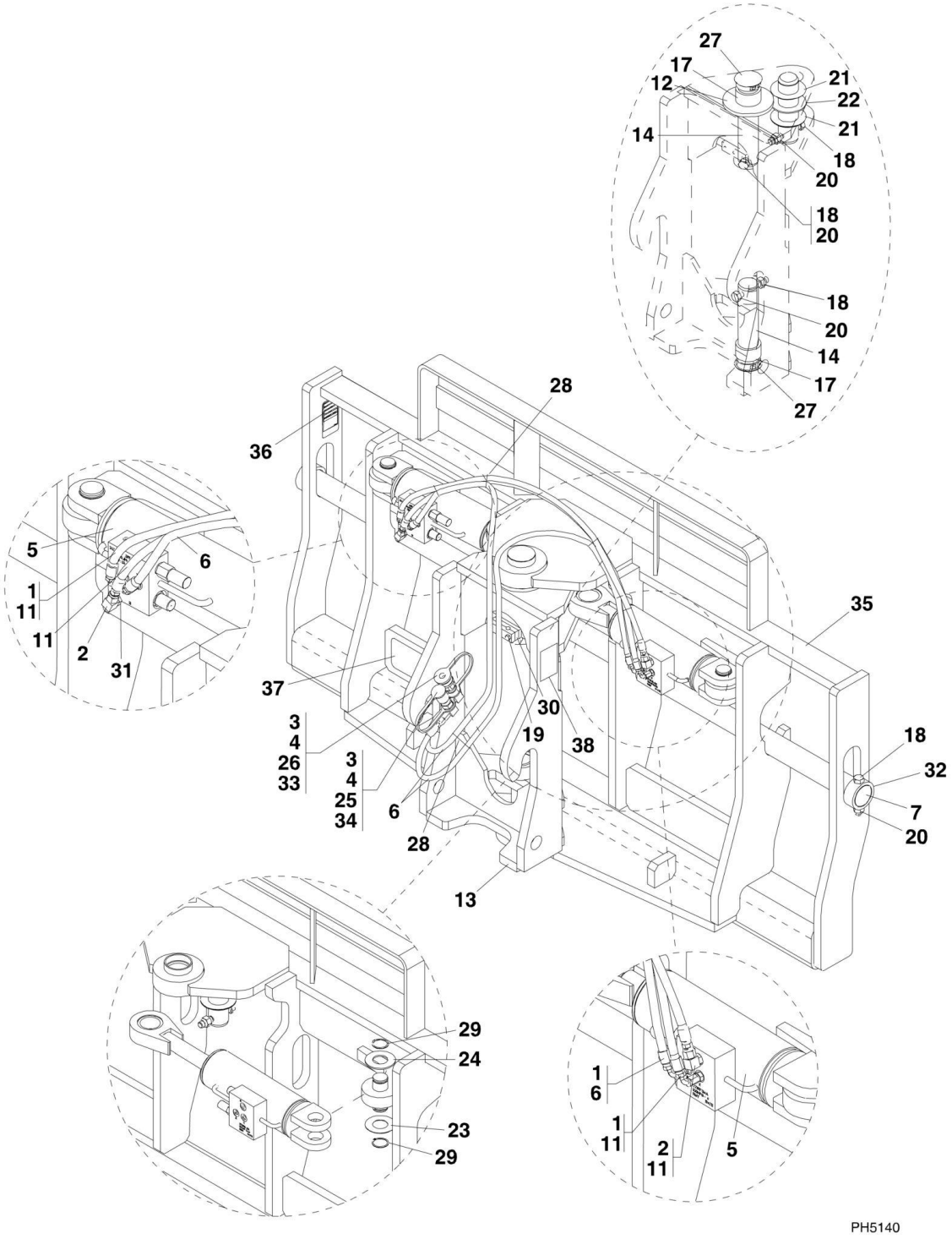
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FIGURE 3-5. 50IN DUAL FORK CARRIAGE

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

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FIGURE 3-6. 90, SWING CARRIAGE



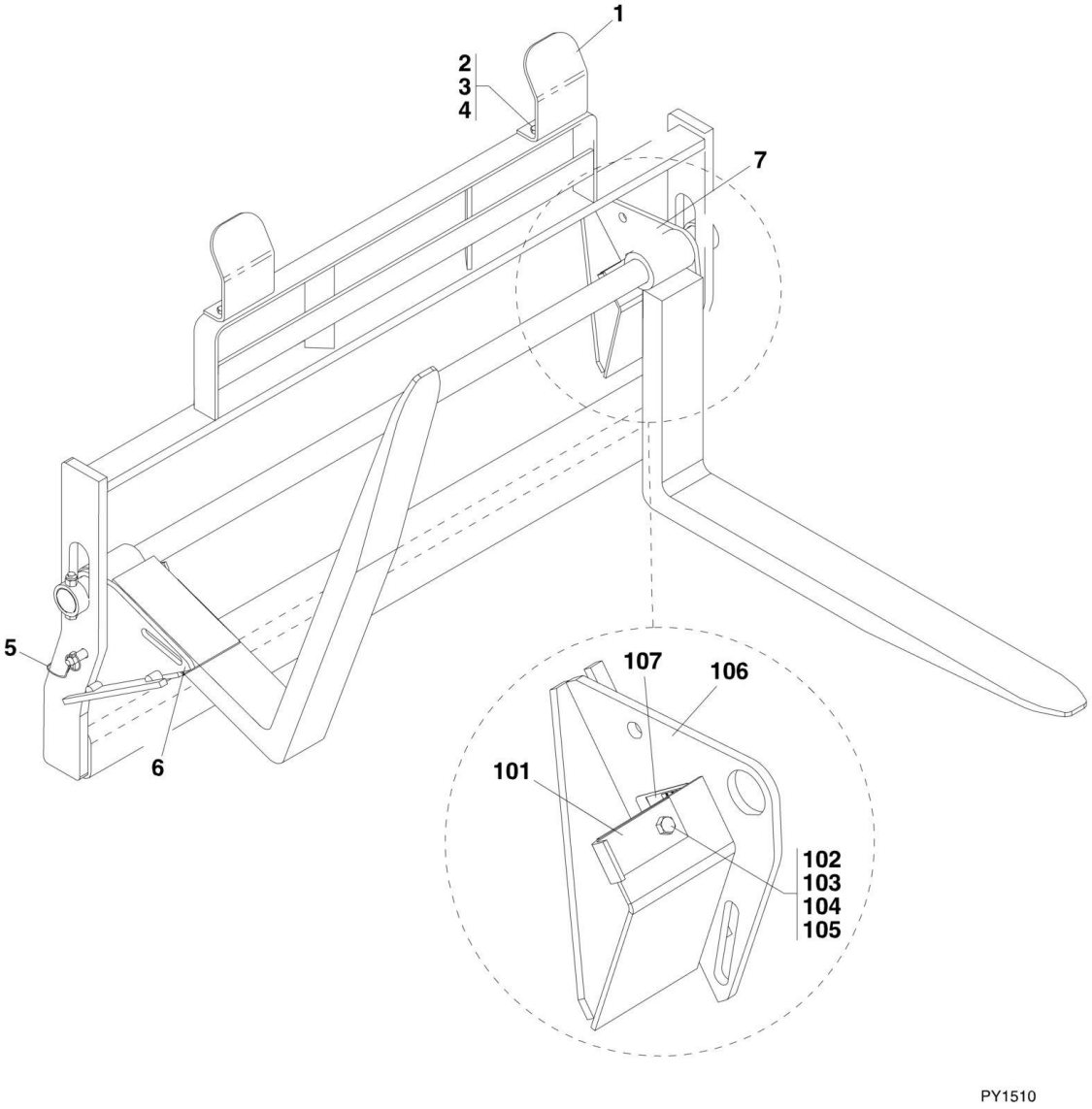
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FIGURE 3-6. 90, SWING CARRIAGE

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 CARRIAGE CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTES SECTION for Breakdown)	
6	2717287	2	HOSE ASSY	
7	3423276	1	PIN	
11	6604662	2	HOSE ASSY	
12	7062922	1	WASHER	
13	N.S.S.	1	PIVOT WELDMENT	
14	7110702	2	PIVOT PIN	
17	8065062	2	BUSHING	
18	8303634	3	HEX HD CAPSCREW, 5/8-11X4, GR5	
19	8303715	3	HEX HD CAPSCREW, 5/16-18X1-1/2, GR5	
20	8305643	3	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	1001110704	1	WARNING CRUSH HAZARD DECAL	
38	1001111190	2	WARNING DECAL	

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FIGURE 3-7. SHEET MATERIAL HANDLER



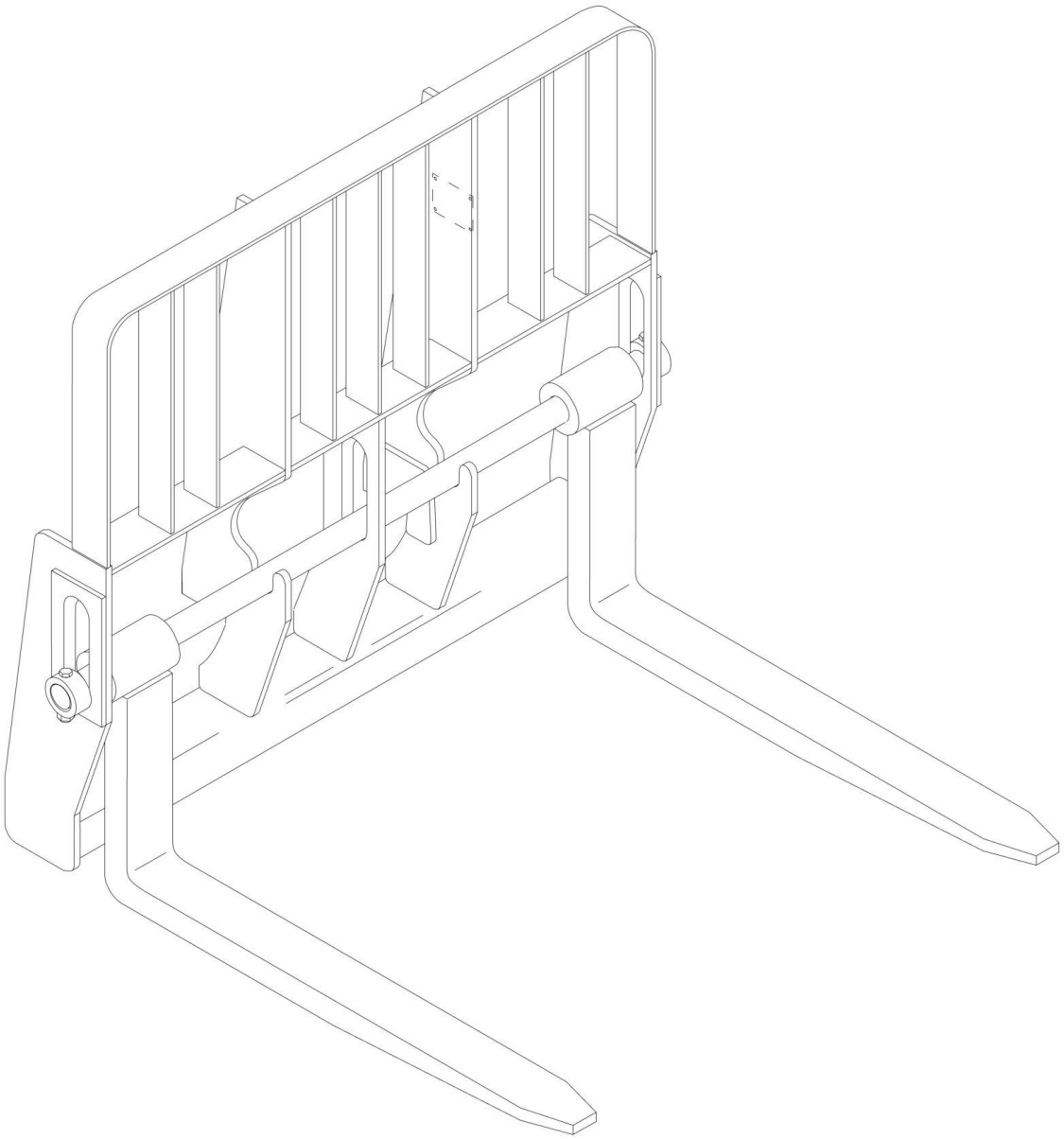
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FIGURE 3-7. SHEET MATERIAL HANDLER

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	LOCKWASHER, 1/2	
5	1001093377	2	HITCH PIN	
6	1001101115	1	RH FORK SUPPORT ASSY, (includes items 101 thru 107)	A
7	1001101116	1	LH FORK SUPPORT ASSY, (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 LOCKNUT, 1/2-13	
104	8307007	1	LOCKWASHER, 1/2	
105	8307112	1	WASHER, 1/2	
106	1001100228	1	RH FORK SUPPORT, (not shown)	
106	1001100229	1	LH FORK SUPPORT, (shown)	
107	N.S.S.	1	SN PLATE	

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FIGURE 3-8. FORKS



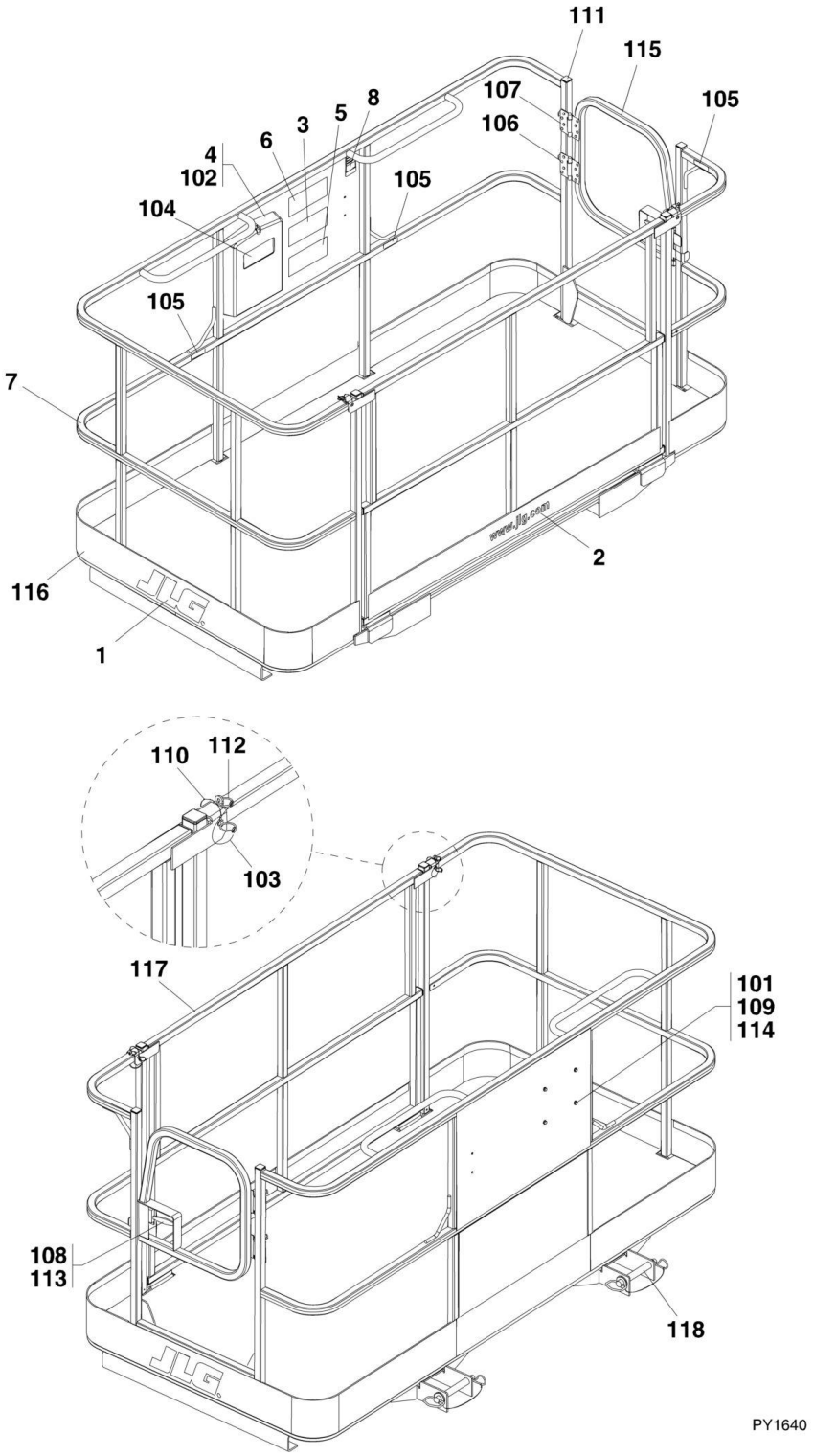
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FIGURE 3-8. FORKS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2340037	6	48IN CUBING FORK, 2X2, 11,640lbs	A
	2340045	2	48IN PALLET FORK, 2-23/64X4, 10,950lbs	A
	2340038	2	48IN PALLET FORK, 2-23/64X5, 13,700lbs	A
	2340046	2	60IN DUAL TAPER FORK, 1-3/4X7, 10,800lbs	A
	2340039	2	60IN DUAL TAPER FORK, 2-23/64X6, 16,300lbs	A
	1001092391	2	72IN DUAL TAPER FORK, 2X6, 11,300lbs	A
	1001137512	2	90IN FORK EXTENSION, (includes items 1 & 2)	A
1	70024306	1	PIN	
2	70024307	1	CLIP	
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.**	

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FIGURE 3-9. FORK MOUNTED PLATFORM



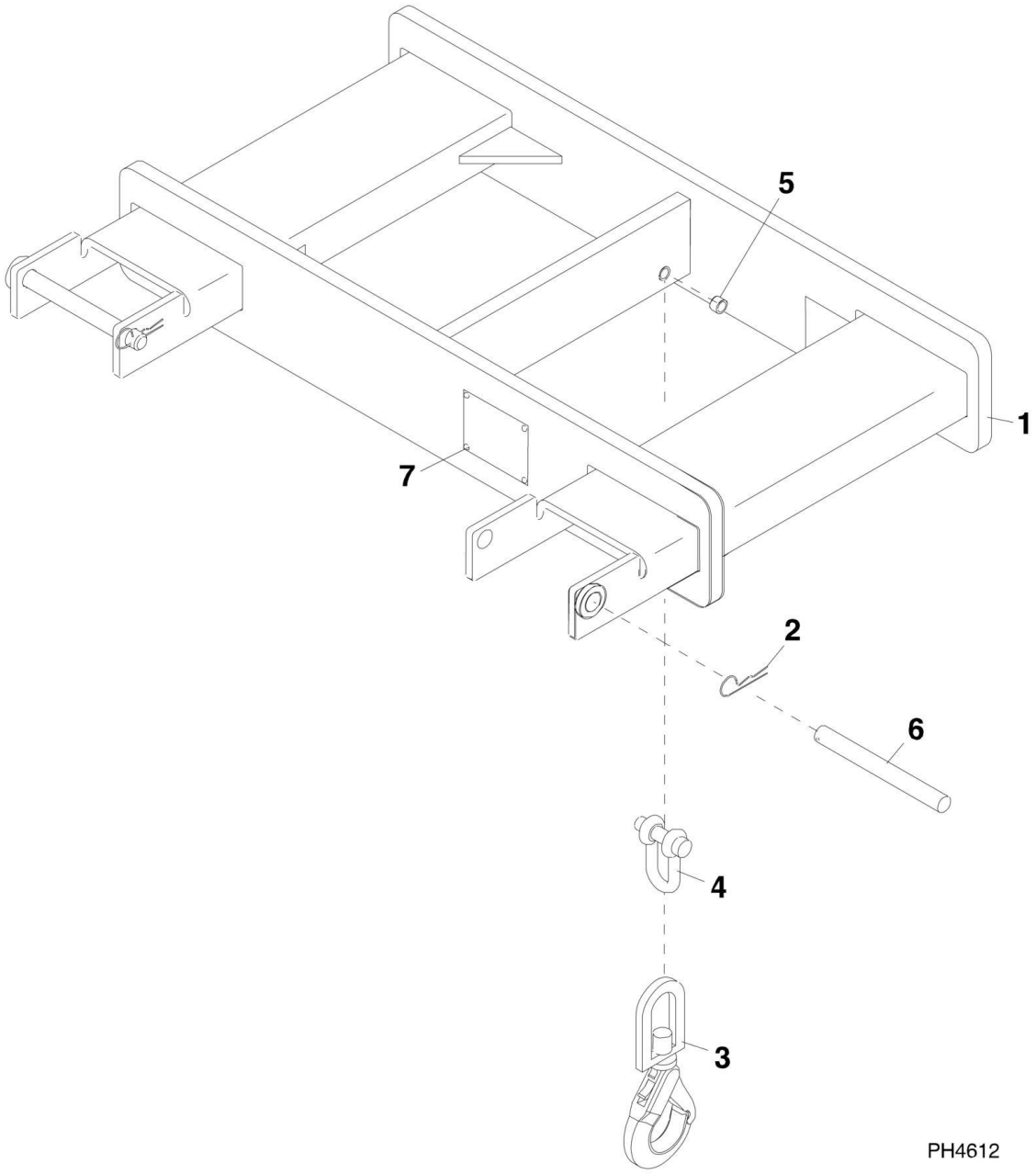
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FIGURE 3-9. FORK MOUNTED PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103637	1	FORK MOUNTED PERSONNEL PLATFORM, (ASME), (includes all items)	D
	1001103730	1	FORK MOUNTED PERSONNEL PLATFORM, (ISO), (includes all items)	D
	1001103736	1	FORK MOUNTED PERSONNEL PLATFORM, (FRENCH), (includes all items)	D
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, (FRENCH)	
4	31200160	1	OPERATION AND SAFETY MANUAL, (ASME)	
4	31200387	1	OPERATION AND SAFETY MANUAL, (SPANISH)	
4	31200388	1	OPERATION AND SAFETY MANUAL, (PORTUGUESE)	
4	31200336	1	OPERATION AND SAFETY MANUAL, (FRENCH)	
5	1001092481	1	WARNING DECAL, (ASME)	
5	1001096021	1	WARNING DECAL, (ISO)	
5	1001096019	1	WARNING DECAL, (FRENCH)	
6	1001092482	1	CAPACITY DECAL, (ASME)	
6	1001096023	1	CAPACITY DECAL, (ISO)	
6	1001096020	1	CAPACITY DECAL, (FRENCH)	
7	1001096162	1	FORK MOUNTED PLATFORM, (includes items 101 thru 118)	J
8	N.S.S.	1	SN PLATE	
101	0641405	4	HEX HD CAPSCREW, 1/4-20X5/8	
102	0860520	1	MANUAL STORAGE BOX	
103	1060379	2	LANYARD CABLE	
104	1701509	1	MANUAL DECAL	
105	1704277	3	LANYARD ATTACH DECAL	
106	2080040	16	FASTENER	
107	2600281	2	HINGE	
108	2940074	1	LATCH	
109	3311405	4	HEX LOCKNUT, 1/4-20	
110	3421453	2	PIN	
111	3520072	10	PLUG	
112	3760170	4	RING	
113	3820020	4	RIVET	
114	4711400	8	WASHER, 1/4	
115	4846452	1	GATE WELDMENT	
116	N.S.S.	1	PLATFORM	
117	1001095810	1	GATE WELDMENT	
118	1001102813	2	HITCH PIN	

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FIGURE 3-10. LIFTING HOOK



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

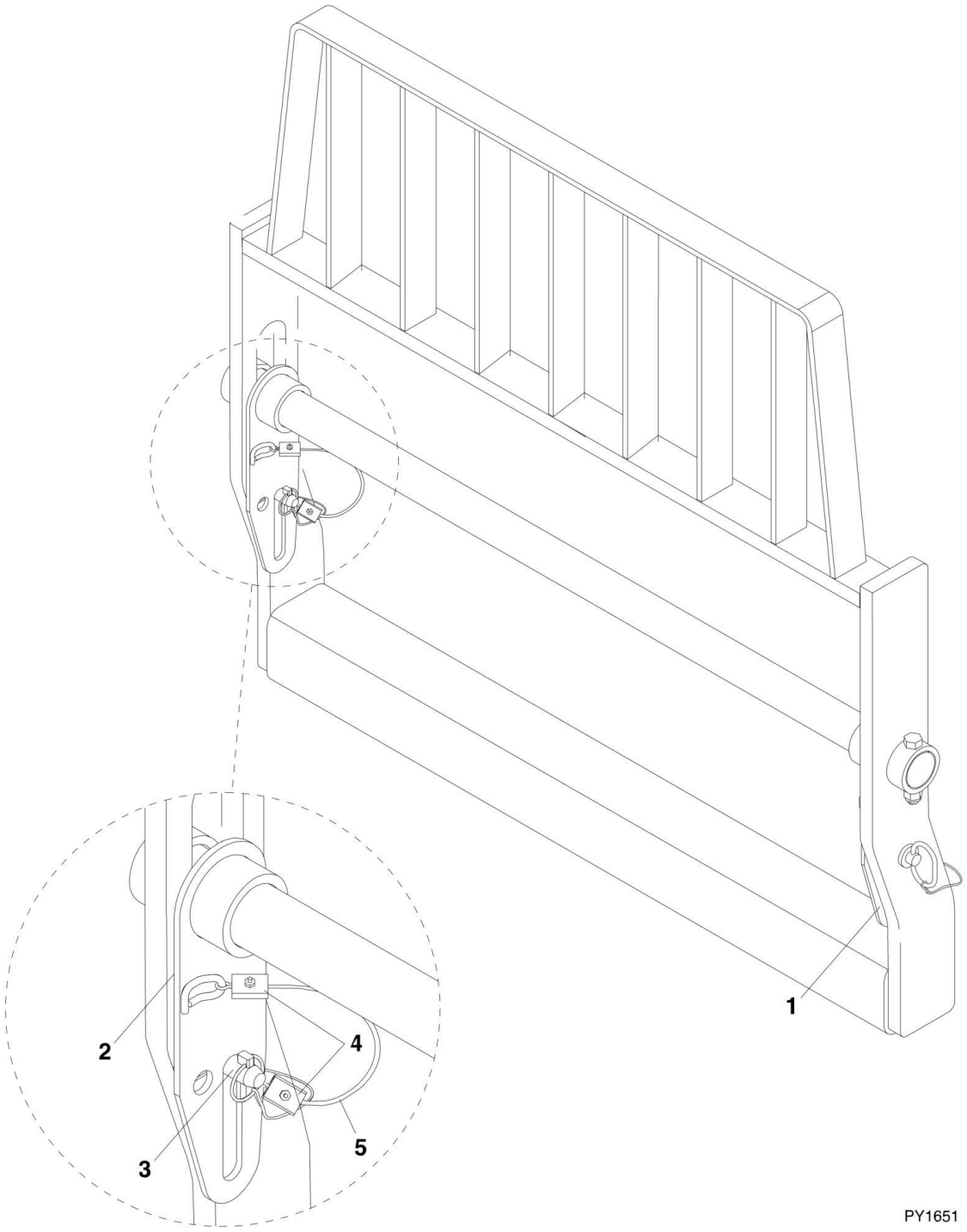
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FIGURE 3-10. LIFTING HOOK

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

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FIGURE 3-11. FORK PIN LOCK INSTALLATION



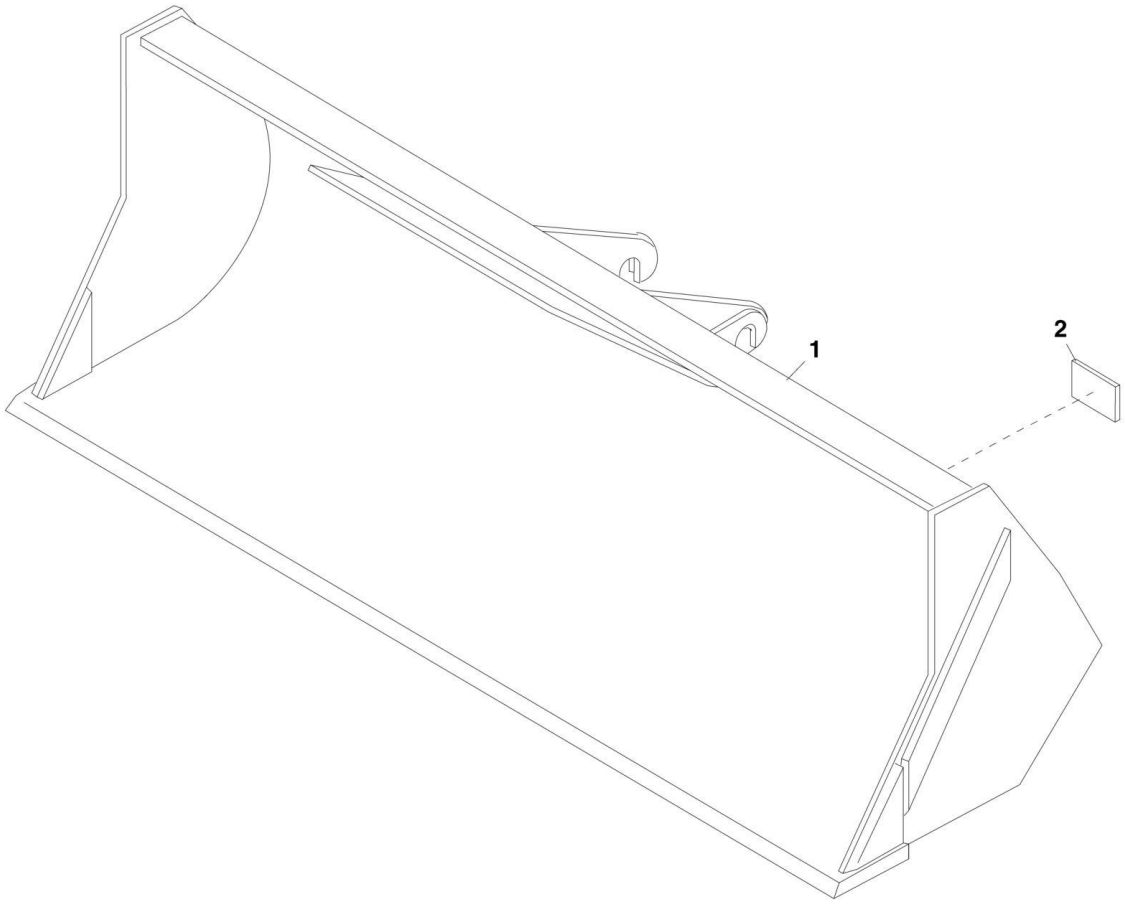
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FIGURE 3-11. FORK PIN LOCK INSTALLATION

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

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FIGURE 3-12. BUCKETS



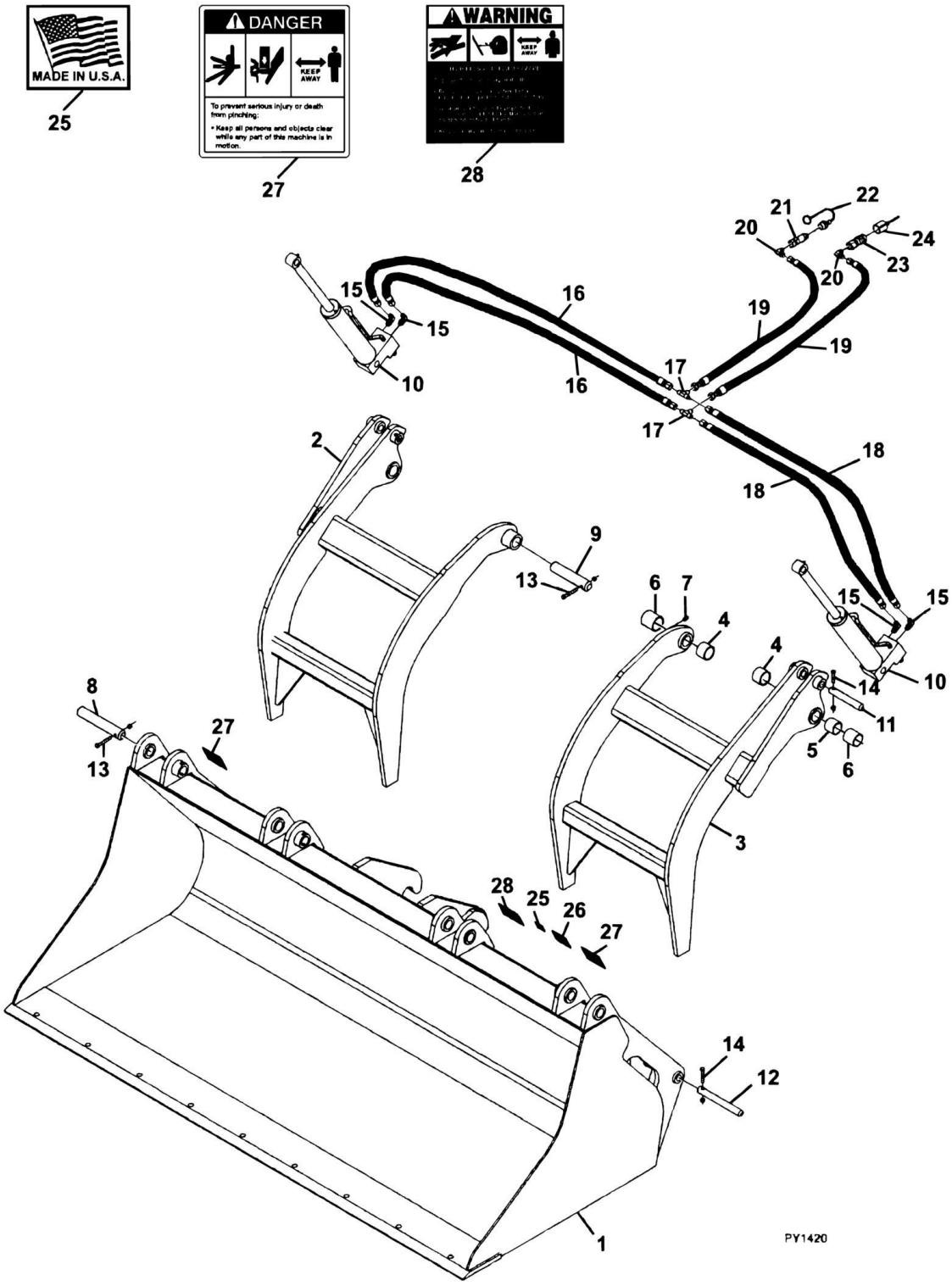
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FIGURE 3-12. BUCKETS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001100822	1	72IN BUCKET, 1.0 YD^3, (includes item 2)	B
1	1001100823	1	96IN BUCKET, 1.5 YD^3, (includes item 2)	B
1	1001100824	1	102IN BUCKET, 2.0 YD^3, (includes item 2)	B
2	N.S.S.	1	SN PLATE	

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FIGURE 3-13. GRAPPLE BUCKET



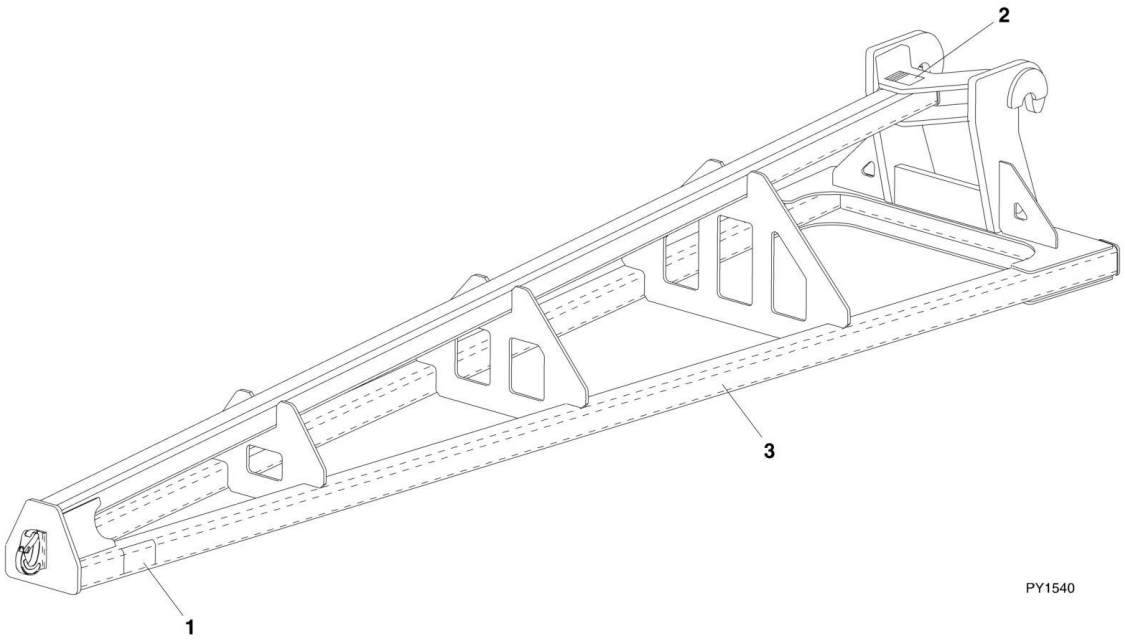
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FIGURE 3-13. GRAPPLE BUCKET

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	GRAPPLE BUCKET CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENETS SECTION for Breakdown)	
11		Ref	CYLINDER PIN, (base end), (See HYDRAULIC COMPONENETS SECTION for Breakdown)	
12		Ref	CYLINDER PIN, (rod end), (See HYDRAULIC COMPONENETS SECTION for Breakdown)	
13	70021366	4	HEX HD CAPSCREW, 3/8X2-3/4	
13	70021367	4	LOCKNUT, 3/8	
14		Ref	HEX HD CAPSCREW, 3/8X2-1/4, (See HYDRAULIC COMPONENETS SECTION for Breakdown)	
14		Ref	LOCKNUT, 3/8, (See HYDRAULIC COMPONENETS SECTION for Breakdown)	
15	90554065	4	ELBOW, 90	
16	70021980	2	HOSE ASSY, 3/8X73	
17	70020562	2	TEE FITTING	
18	70021981	2	HOSE ASSY, 3/8X46	
19	70021982	2	HOSE ASSY, 3/8X34	
20	70022527	2	ELBOW, 90	
21	7029692	1	MALE QUICK COUPLER	
22	90554062	1	DUST COVER	
23	70021342	1	FEMALE QUICK COUPLER	
24	90554076	1	DUST COVER	
25	90554016	1	MADE IN USA DECAL	
29	N.S.S.	1	SN PLATE	
27	90554017	2	DANGER PINCH POINT DECAL	
28	90554018	1	WARNING HIGH PRESSURE DECAL	

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FIGURE 3-14. TRUSS BOOM



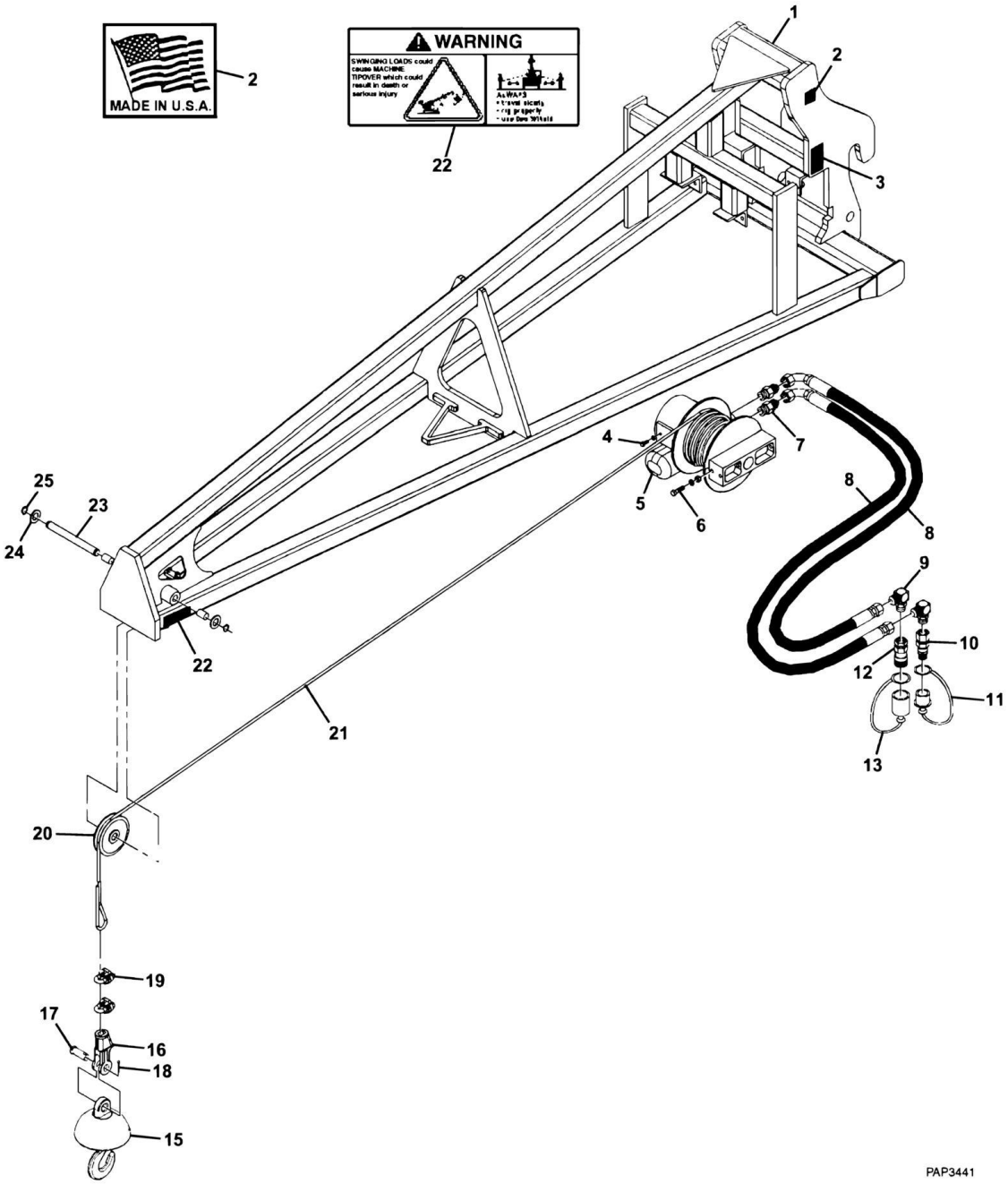
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FIGURE 3-14. TRUSS BOOM

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	

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FIGURE 3-15. 12FT TRUSS BOOM WITH WINCH



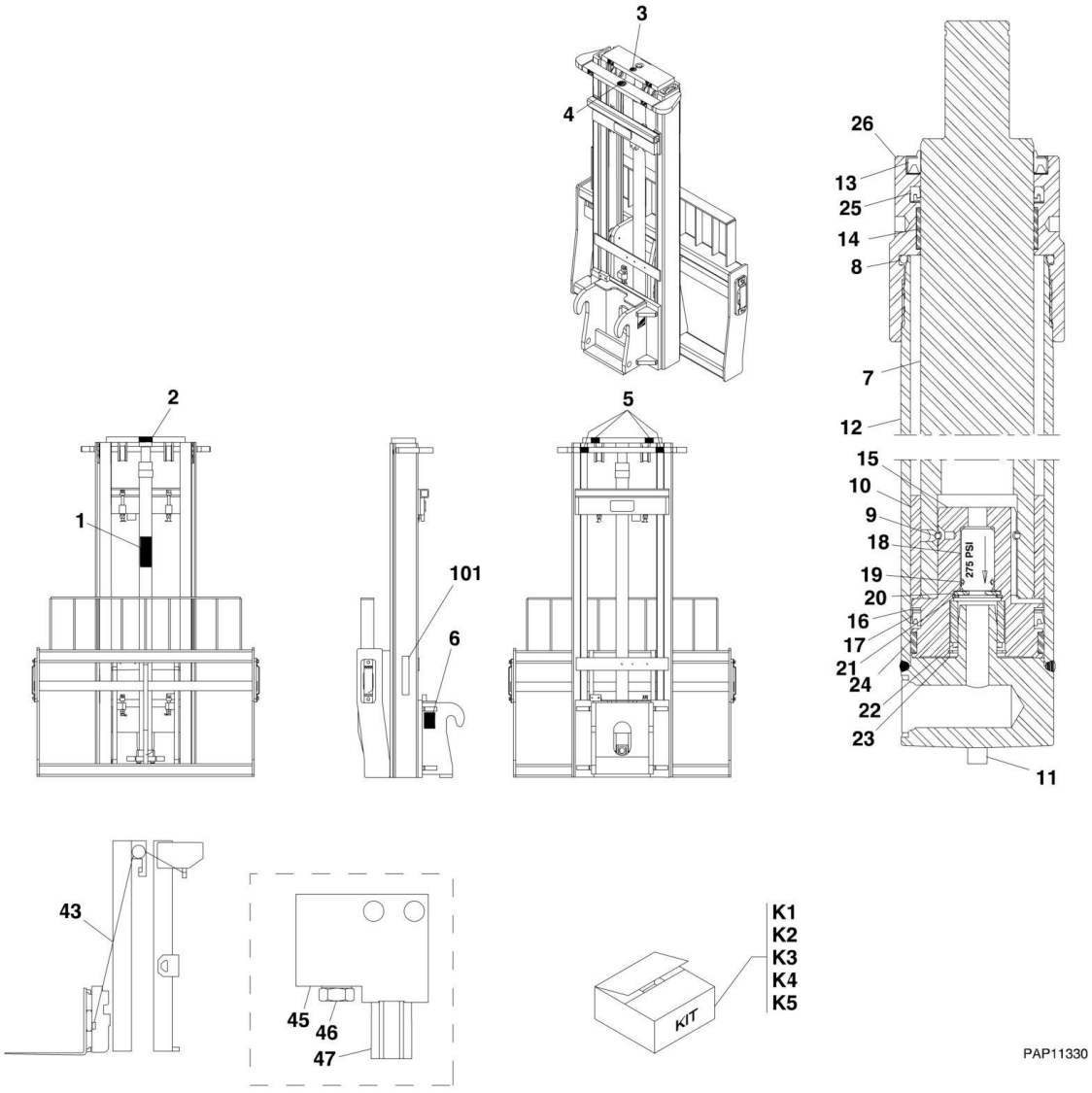
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FIGURE 3-15. 12FT TRUSS BOOM WITH WINCH

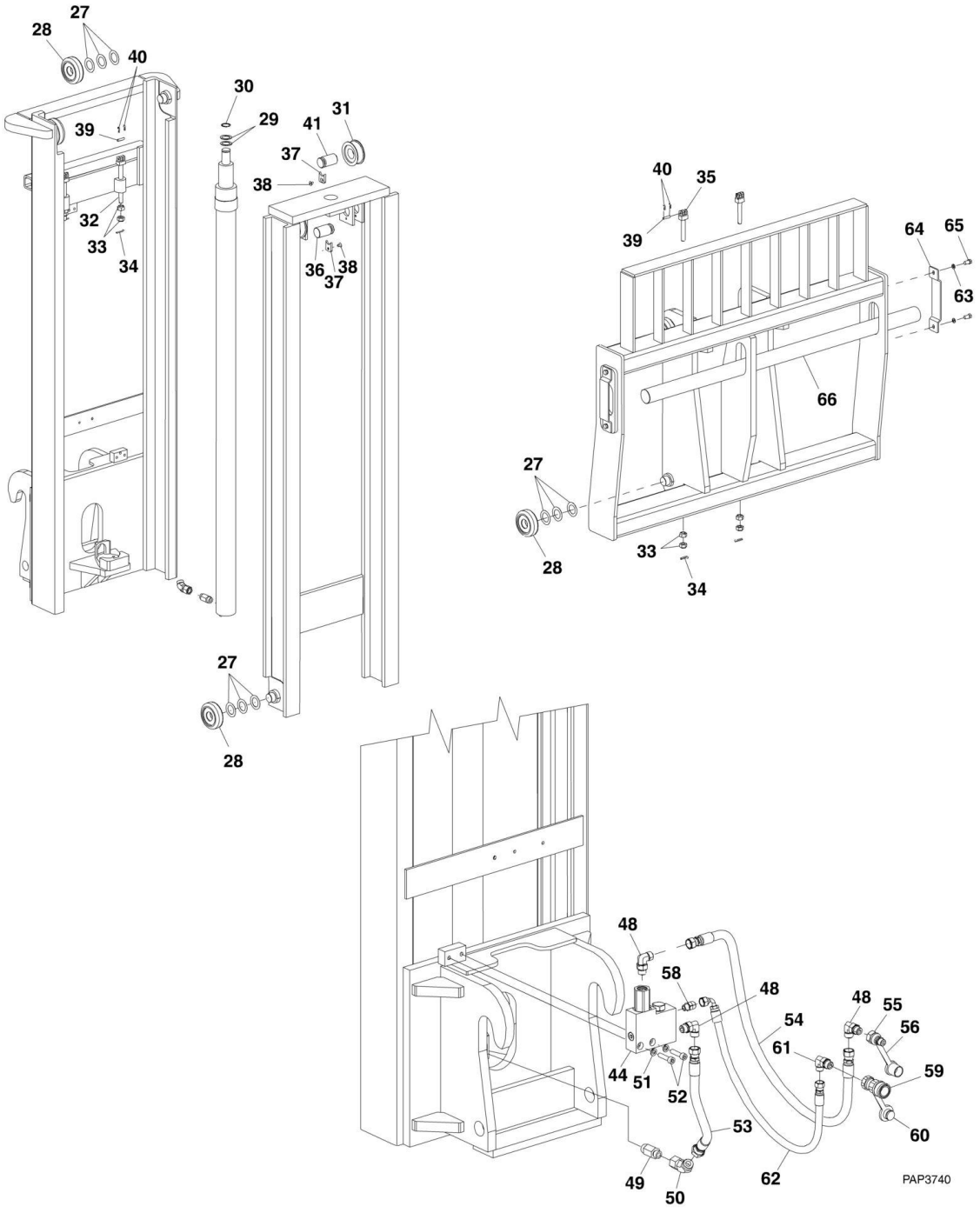
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099351	1	12FT TRUSS BOOM WITH WINCH, (includes all items)	F,C
1	N.S.S.	1	TRUSS BOOM FRAME	
2	90554016	1	MADE IN USA DECAL	
3	N.S.S.	1	SN PLATE	
4	70021349	4	HEX HD CAPSCREW, 3/8X1	
4	90554042	4	LOCKWASHER, 3/8	
5	70021921	1	TRUSS BOOM WINCH MOTOR	
6	N.S.S.	2	HEX HD CAPSCREW, 1/2X1-3/4	
6	90554020	2	LOCKWASHER, 1/2	
6	90554054	2	HEX NUT, 1/2	
7	70021415	2	CONNECTOR	
8	70021977	2	HOSE ASSY, 3/8X32	
9	N.S.S.	2	ELBOW, 90	
10	7029692	1	MALE QUICK COUPLER	
11	90554062	1	DUST CAP	
12	70021342	1	FEMALE QUICK COUPLER	
13	90554076	1	DUST COVER	
14	70021387	2	CLAMP	
15	70021978	1	BALL SWIVEL W/SAFETY HOOK	
16	70021979	1	SOCKET ASSY	
17	N.S.S.	1	PIN	
18	N.S.S.	1	COTTER PIN	
19	N.S.S.	2	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	

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FIGURE 3-16. 8FT STANDARD MAST



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FIGURE 3-16. 8FT STANDARD MAST

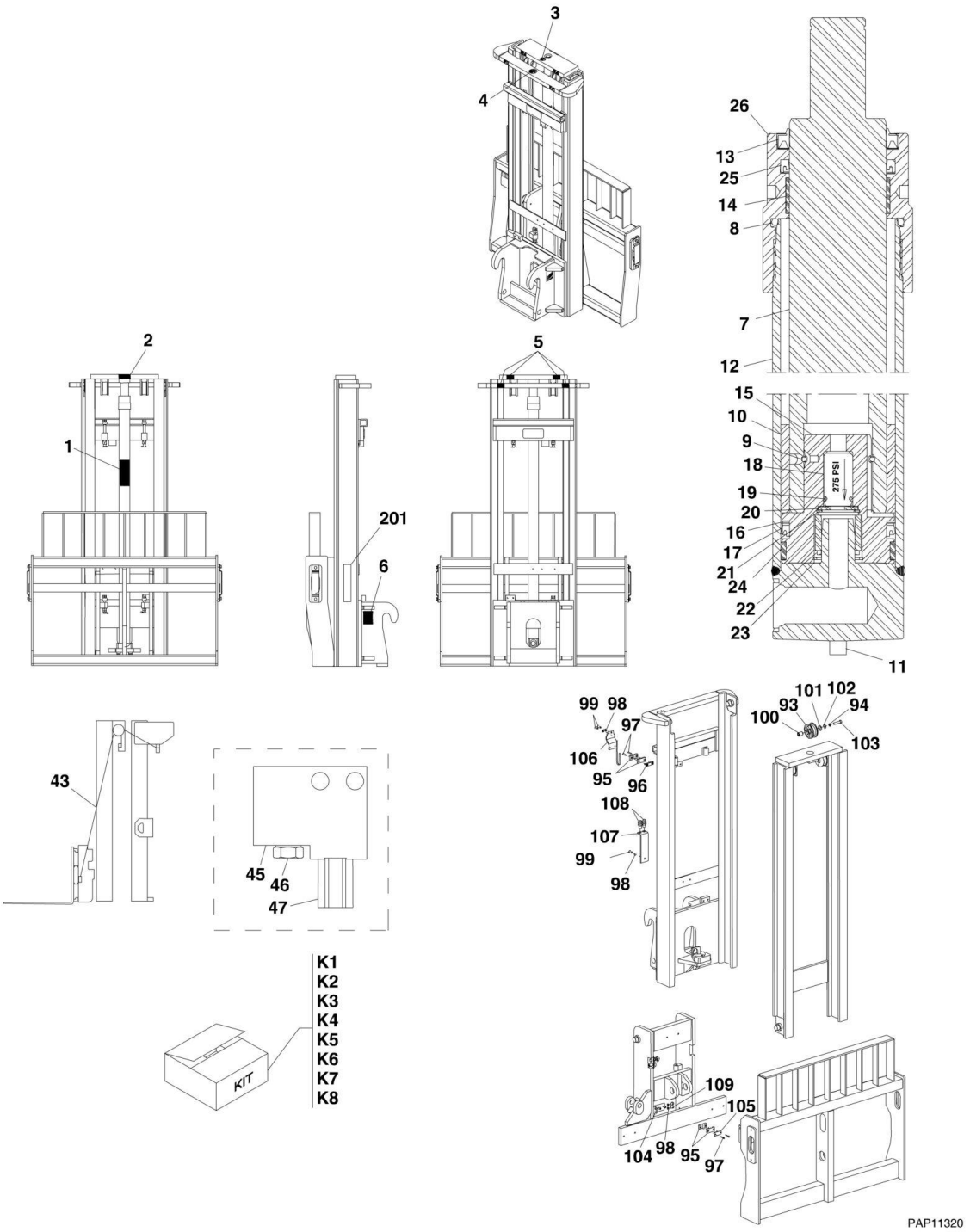
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108668	1	8FT STANDARD MAST, (4,500lb), (includes all items)	B
1	Kit K1	1	WARNING DECAL	
2	Kit K1	1	WARNING DECAL	
3	Kit K1	1	NO STEP DECAL	
4	Kit K1	1	NO STEP DECAL	
5	Kit K1	4	HANDS OFF DECAL	
6	Kit K1	2	HOSE ROUTING DECAL	
6	70023008	1	MAIN LIFT CYLINDER, (includes items 7 thru 26)	
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 thru 47)	
45	N.S.S.	1	MANIFOLD	
46	70022931	1	PO CHECK VALVE CARTRIDGE	
47	70023010	1	PO CHECK	
48	70022934	3	FITTING, 90	
49	70022936	1	FLOW LIMITER	

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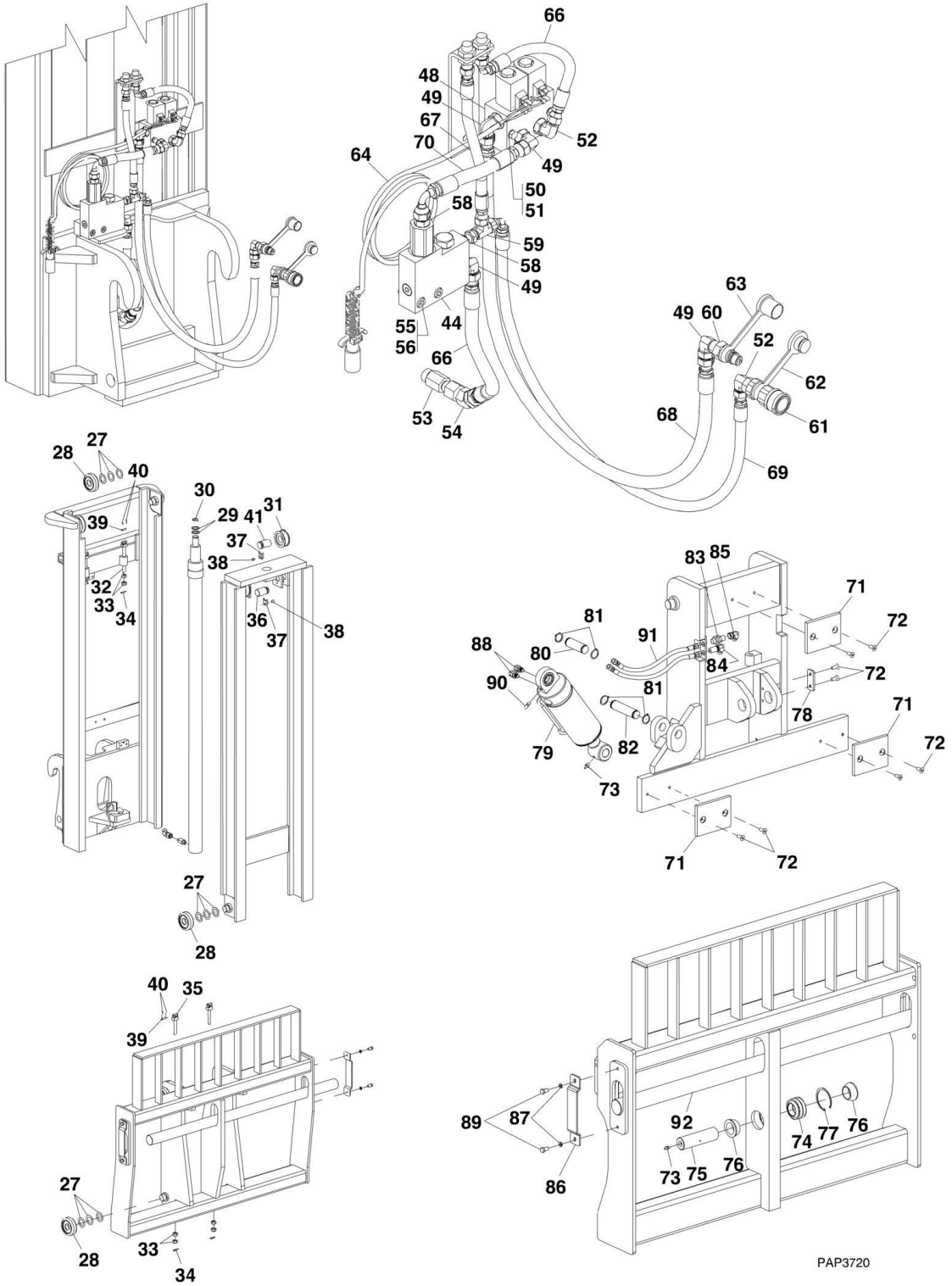
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	70022937	1	FITTING, 45	
51	70022949	2	LOCKWASHER, M10	
52	70022950	2	HEX SOCKET CAPSCREW	
53	70022942	1	HOSE ASSY	
54	70022952	1	HOSE ASSY	
55	91403414	1	MALE QUICK DISCONNECT COUPLING	
56	91043126	1	DUST CAP	
58	70022939	1	STRAIGHT FITTING, #6	
59	91403413	1	FEMALE QUICK DISCONNECT COUPLING	
60	91043125	1	DUST PLUG	
61	70022935	1	STRAIGHT THREAD ELBOW	
62	70022946	1	HOSE ASSY	
63	70022949	4	LOCKWASHER, M10	
64	70022980	2	FORK PIN KEEPER	
65	70022998	4	CAPSCREW, M10X20	
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	MAIN LIFT CYLINDER SEAL KIT, (includes items 8, 9, 13, 14, 16, 17, 19, 21 & 23 thru 25)	
K3	70023006	1	CHECK VALVE KIT, (includes items 18 thru 21 & 23)	
K4	70023007	1	SHIM KIT	
K5	70023015	1	MAST COMMON PARTS KIT, (includes items 27 thru 41)	

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FIGURE 3-17. 8FT SIDE TILT ELECTRIC MAST



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FIGURE 3-17. 8FT SIDE TILT ELECTRIC MAST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108669	1	8FT SIDE TILT ELECTRIC 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 DECAL	
6	70023008	1	MAIN LIFT CYLINDER, (includes items 7 thru 26)	
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 thru 47)	
45	N.S.S.	1	MANIFOLD	
46	70022931	1	PO CHECK VALVE CARTRIDGE	
47	70023010	1	PO CHECK	
48	70022933	1	SOLENOID VALVE BANK	
49	70022934	4	FITTING, 90	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	70022948	2	LOCKWASHER, M8	
51	70022951	2	CAPSCREW, M8X60	
52	70022935	2	STRAIGHT THREAD ELBOW	
53	70022936	1	FLOW LIMITER	
54	70022937	1	FITTING, 45	
55	70022949	2	LOCKWASHER, M10	
56	70022950	2	HEX SOCKET CAPSCREW	
57	70022938	1	STRAIGHT FITTING	
58	70022939	1	STRAIGHT FITTING, #6	
59	70022940	1	TEE FITTING	
60	91403414	1	MALE QUICK DISCONNECT COUPLING	
61	91403413	1	FEMALE QUICK DISCONNECT COUPLING	
62	91043125	1	DUST PLUG	
63	91043126	1	DUST CAP	
64	70022941	1	HARNESS	
65	70022942	1	HOSE ASSY	
66	70022943	1	HOSE ASSY	
67	70022944	1	HOSE ASSY	
68	70022945	1	HOSE ASSY	
69	70022946	1	HOSE ASSY	
70	70022947	1	HOSE ASSY	
71	70022972	3	WEAR PAD	
72	70022971	8	FLAT HD CAPSCREW	
73	70023001	2	GREASE FITTING	
74	70022975	1	BEARING	
75	70022973	1	PIVOT SHAFT	
76	70022974	2	BEVELED SPACER	
77	70022988	1	RETAINING RING	
78	70022976	1	RETAINER PLATE	
79	2716143	1	TILT CYLINDER	
80	70022977	1	PIN, 128.1mm	
81	70023016	4	SNAP RING, 1-1/4	
82	70022978	1	PIN, 128.1mm	
83	70023000	1	BULKHEAD UNION, (with locknut)	
84	70022999	1	BULKHEAD UNION ELBOW	
85	70022982	1	STRAIGHT THREAD ELBOW	
86	70022980	2	FORK PIN KEEPER	
87	70022949	4	LOCKWASHER, M10	
88	70022991	2	STRAIGHT THREAD ELBOW, 90	
89	70022998	4	CAPSCREW, M10X20	
90	70022966	1	GREASE FITTING	
91	70022979	2	HOSE ASSY	
92	70022990	1	FORK PIN	
93	70022965	1	SHEAVE	
94	70022997	1	LOCKWASHER, M12	
95	70022967	4	HOSE CLAMP	
96	70022962	1	BAR ASSY	
97	70023002	4	CAPSCREW, M6X25	
98	70022949	5	LOCKWASHER, M10	
99	70022958	3	CAPSCREW, M10X20	
100	70022961	1	SHAFT	

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SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	70022959	1	WASHER	
102	70022989	1	RETAINING RING	
103	70022964	1	CAPSCREW, M12X55	
104	70022981	1	IHR BRACKET	
105	70022968	1	HOSE CLAMP BAR	
106	70023011	1	IHR BRACKET	
107	70022983	1	TERMINATION BRACKET	
108	70023000	2	BULKHEAD UNION AND LOCKNUT	
109	70022996	3	CAPSCREW, M10X16	
110	70022963	2	HOSE ASSY, (not shown)	
K1	70023925	1	DECAL KIT, (includes items 1 thru 6)	
K2	70023005	1	MAIN LIFT CYLINDER SEAL KIT, (includes items 8, 9, 13, 14, 16, 17, 19, 21 & 23 thru 25)	
K3	70023006	1	CHECK VALVE KIT, (includes items 18 thru 21 & 23)	
K4	70023007	1	SHIM KIT	
K5	70023015	1	MAST COMMON PARTS KIT, (includes items 27 thru 41)	
K6	8035831	1	TILT CYLINDER SEAL KIT	
K7	70023013	1	IHR COMMON PARTS KIT, (includes items 93 thru 109)	
K8	70022986	1	IHR KIT, (includes items 93 thru 110)	

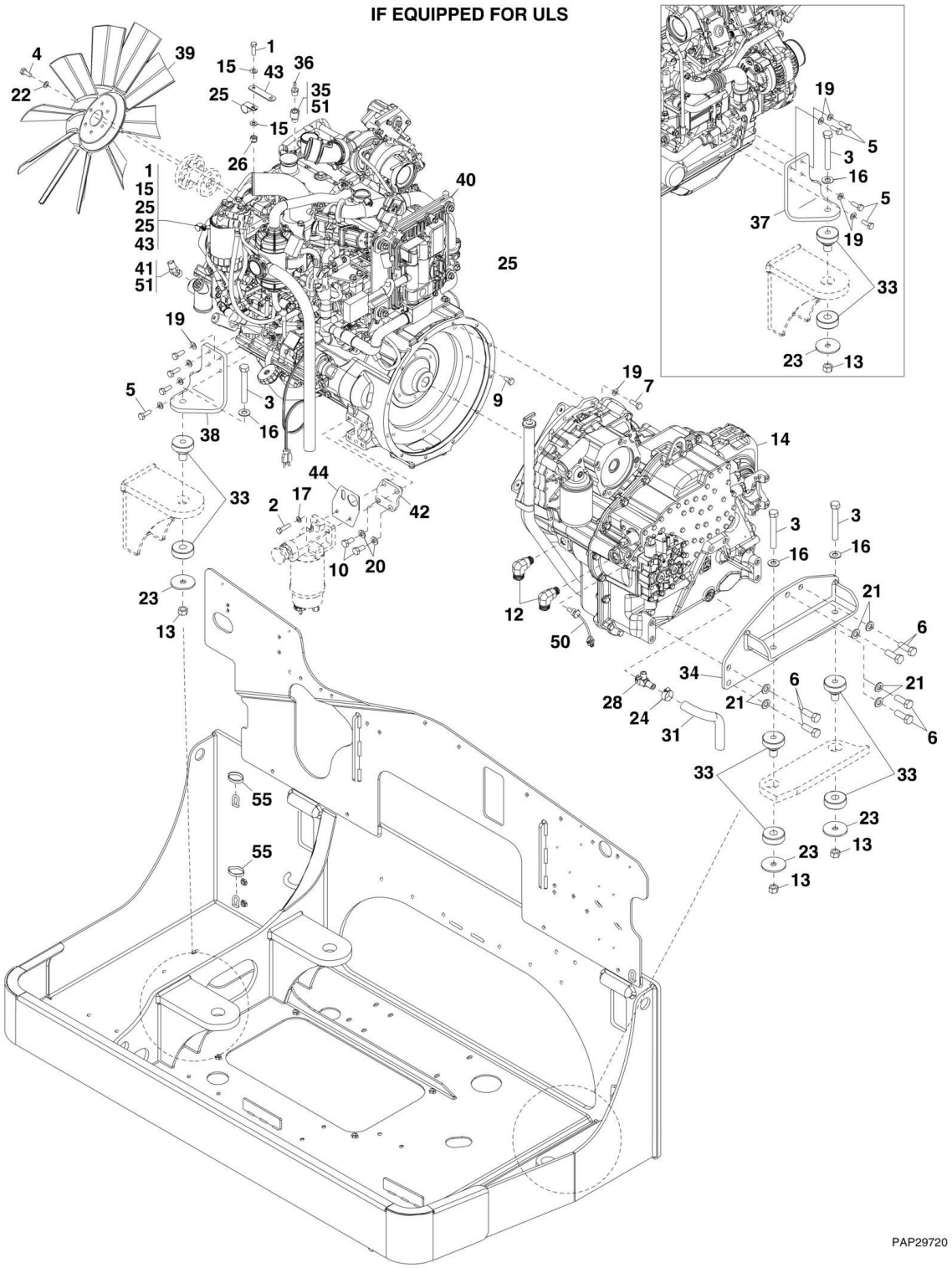
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SECTION 4 - ENGINE AND ATTACHING PARTS

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SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-1. ENGINE INSTALLATION IF EQUIPPED FOR ULS



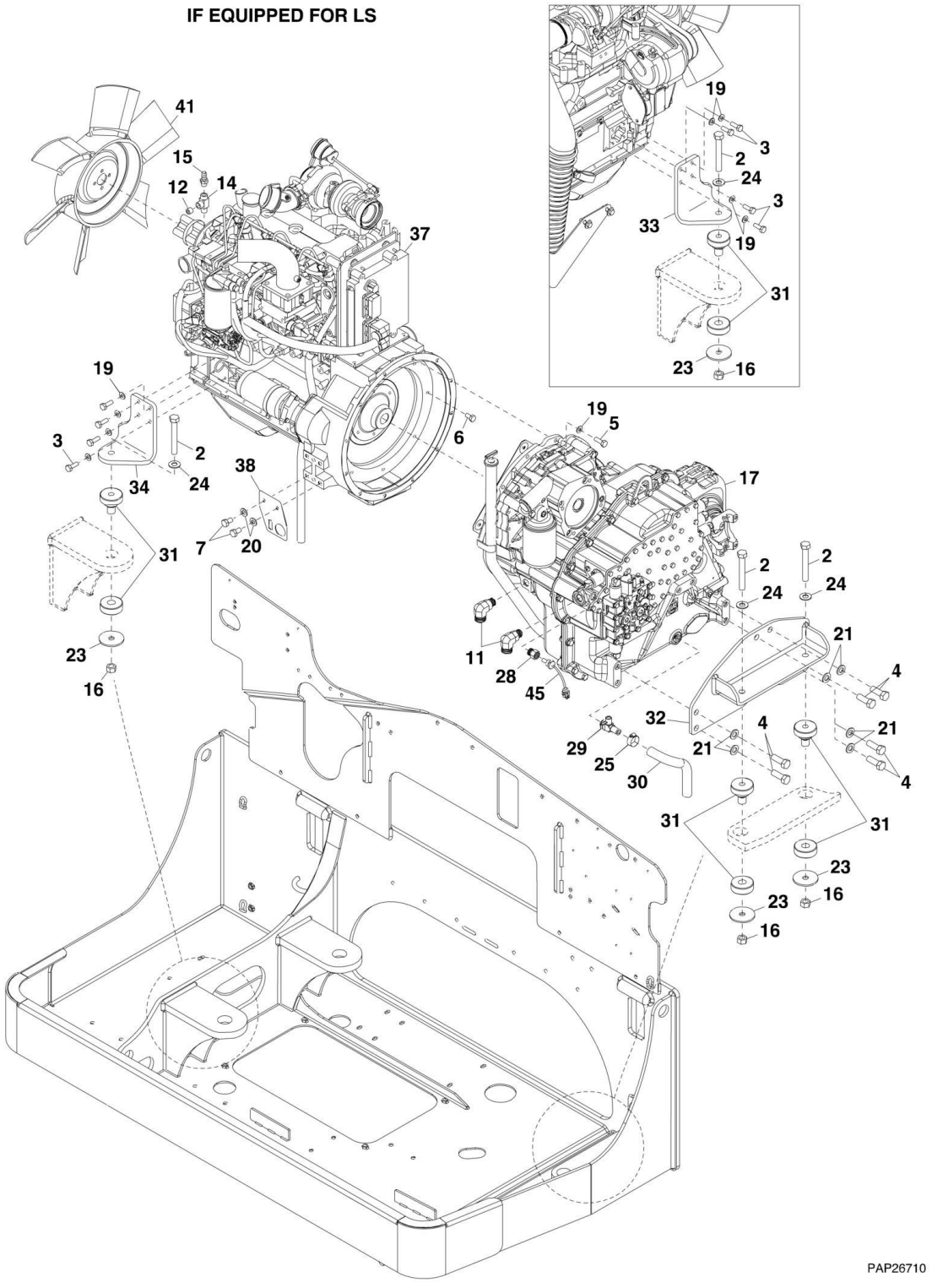
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FIGURE 4-1. ENGINE INSTALLATION IF EQUIPPED FOR ULS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131859	Ref	ENGINE INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 55 for service)	G
1	0641607	2	HEX HD CAPSCREW, 3/8-16X7/8	
2	0641612	2	HEX HD CAPSCREW, 3/8-16X1-1/2, GR5	
3	0682036	4	HEX HD CAPSCREW, 5/8-11X4-1/2, GR8	
4	0701012	6	HEX HD CAPSCREW, M10X25, GR8.8	
5	0701014	8	HEX HD CAPSCREW, M10X30, GR8.8	
6	0701617	6	HEX HD CAPSCREW, M16X45, GR8.8	
7	0711014	12	HEX HD CAPSCREW, M10X30, GR10.9	
9	0761010	4	HEX HD CAPSCREW, M10X20, GR8.8	
10	0761212	2	HEX HD CAPSCREW, M12X25, GR8.8	
12	2131210	2	ADAPTER, 90, (includes o-ring)	
13	3272005	4	HEX LOCKNUT, 5/8-11, GR8	
14		Ref	TRANSMISSION, (See DRIVE TRAIN SECTION for Breakdown)	
15	4711600	2	WASHER, 3/8	
16	8307107	4	WASHER, 3/8	
17	4761600	2	LOCKWASHER, 3/8	
19	4812000	20	WASHER, 10mm	
20	4812100	2	WASHER, 12mm	
21	4812300	6	WASHER, 16mm	
22	4832000	6	LOCKWASHER, 10mm	
23	7300435	4	REBOUND WASHER	
24	8405007	1	GEAR CLAMP, 1-1/4	
25	8406303	1	TUBE CLIP, 1-3/16	
26	3311605	1	HEX LOCKNUT, 3/8-16, GR2	
28	1001097053	1	OIL DRAIN VALVE	
31	1001109536	1	DRAIN HOSE	
33	1001121309	4	MOUNT	
34	1001121883	1	TRANSMISSION MOUNTING BRACKET	
35	1001122801	1	ADAPTER, STRAIGHT	
36	1001122807	1	HOSE BARB COUPLING	
37	1001129578	1	LH FRONT ENGINE BRACKET	
38	1001129579	1	RH FRONT ENGINE BRACKET	
39	1001129824	1	SUCTION FAN	
40		Ref	ENGINE, (See ENGINE for Breakdown)	
41	1001133871	1	ELBOW, 45	
42	1001134932	1	FUEL FILTER BRACKET	
43	1001135585	1	COOLANT FILL HOSE BRACKET	
44	1001135602	1	ELECTRICAL DIAGNOSTIC BRACKET	
50	1001147072	1	OIL TEMPERATURE SWITCH	
51	0100020	AR	LOCTITE 567	
55	4240018	2	PLASTIC TIE STRAP	

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FIGURE 4-2. ENGINE INSTALLATION IF EQUIPPED FOR LS



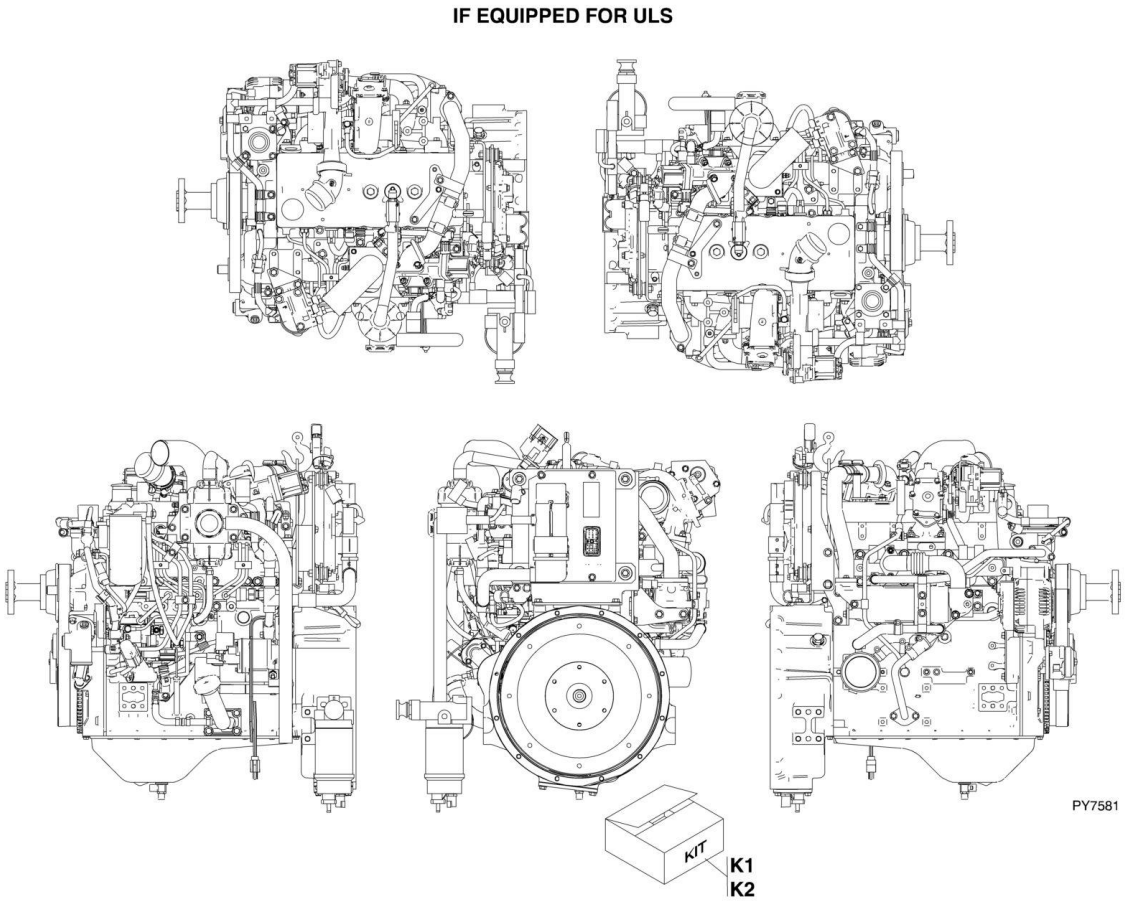
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FIGURE 4-2. ENGINE INSTALLATION IF EQUIPPED FOR LS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001138613	Ref	ENGINE INSTALLATION, (if equipped for LS), (not available to order, see items 2 thru 45 for service)	C
2	0682036	4	HEX HD CAPSCREW, 5/8-11X4-1/2, GR8	
3	0701014	8	HEX HD CAPSCREW, M10X30, GR8.8	
4	0701617	6	HEX HD CAPSCREW, M16X45, GR8.8	
5	0711014	12	HEX HD CAPSCREW, M10X30, GR10.9	
6	0761010	5	HEX HD CAPSCREW, M10X20, GR8.8	
7	0761210	2	HEX HD CAPSCREW, M12X20, GR8.8	
11	2131210	2	ADAPTER, 90, (includes o-ring)	
12	2200233	1	DRAIN PLUG	
14	2220444	1	TEE FITTING	
15	2220806	1	STRAIGHT FITTING	
16	3272005	4	HEX LOCKNUT, 5/8-11, GR8	
17		Ref	TRANSMISSION, (See DRIVE TRAIN SECTION for Breakdown)	
19	4812000	20	WASHER, 10mm	
20	4812100	2	WASHER, 12mm	
21	4812300	6	WASHER, 16mm	
23	7300435	4	REBOUND WASHER	
24	8307107	4	WASHER, 3/8	
25	8405007	1	GEAR CLAMP, 1-1/4	
28	91563091	1	CONNECTOR, (includes o-ring)	
29	1001097053	1	OIL DRAIN VALVE	
30	1001109536	1	DRAIN HOSE	
31	1001121309	4	MOUNT	
32	1001121883	1	TRANSMISSION MOUNTING BRACKET	
33	1001129578	1	LH FRONT ENGINE BRACKET	
34	1001129579	1	RH FRONT ENGINE BRACKET	
37		Ref	ENGINE, (See ENGINE for Breakdown)	
38	1001135602	1	ELECTRICAL DIAGNOSTIC BRACKET	
41	1001138615	1	SUCTION FAN	
45	91563121	1	OIL TEMPERATURE SWITCH	

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FIGURE 4-3. ENGINE IF EQUIPPED FOR ULS



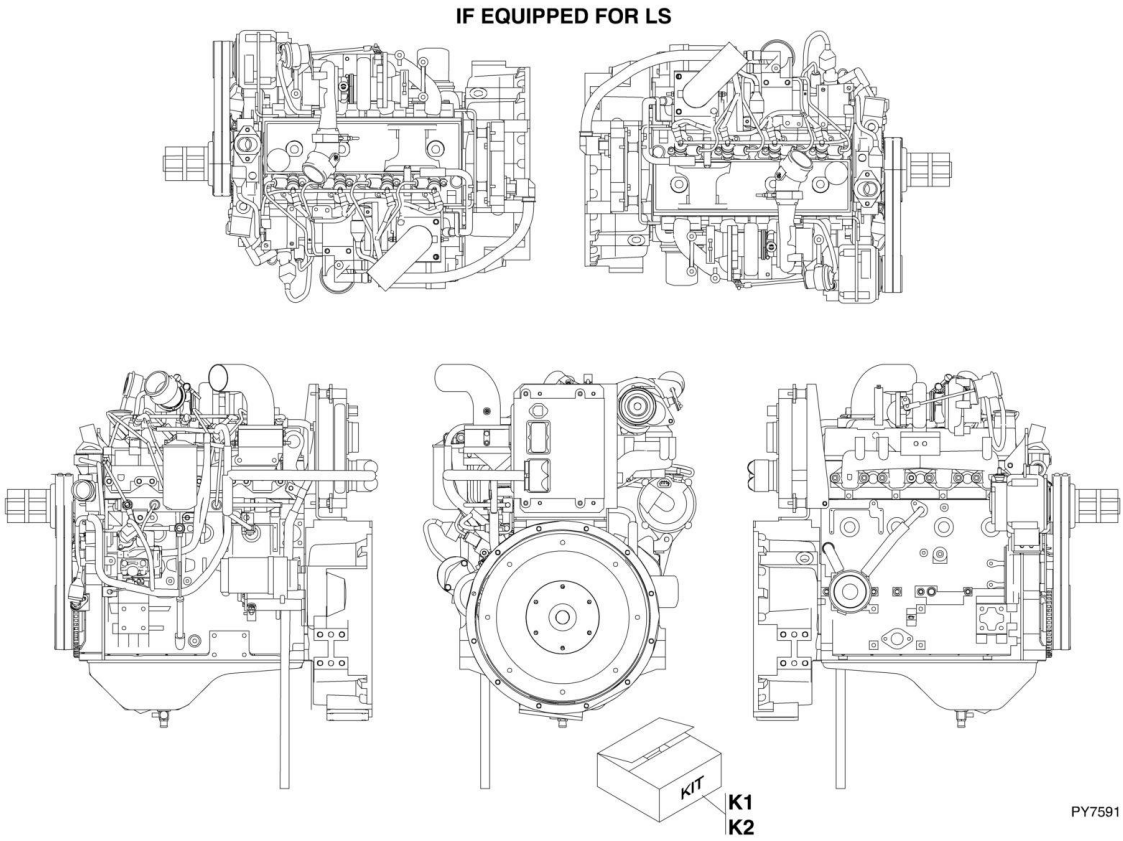
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FIGURE 4-3. ENGINE IF EQUIPPED FOR ULS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131807	1	CUMMINS ENGINE, 3.3L, (if equipped for ULS), (includes all items)	D
	70024274	1	FAN BELT	
	70024385	1	FAN SPACER	
	70024276	1	ALTERNATOR	
	70024277	1	STARTER	
	70024278	1	OIL FILTER ELEMENT	
	70021854	1	DIPSTICK	
	70023793	1	DIPSTICK TUBE	
	70022843	1	OIL FILL CAP	
	70024281	1	THERMOSTAT	
	70023950	1	PRIMARY FUEL FILTER ASSY, (includes filter, bowl and head)	
	70021851	1	FUEL/WATER SEPARATOR FILTER ELEMENT	
	70022846	1	SECONDARY FUEL FILTER ELEMENT	
	70022844	1	OIL PAN PLUG	
	70024284	1	CRANKCASE VENT FILTER ELEMENT	
	70023807	1	AIR INTAKE HEATER	
	70023791	1	AIR INTAKE HEATER GASKET	
	70023794	1	OIL PAN	
	70022845	1	OIL PAN PLUG GASKET	
K1	1001158567	1	250 HR FILTER KIT, (includes engine oil filter, secondary and primary fuel filters, primary and secondary air elements)	
K2	1001158568	1	1000 HR FILTER KIT, (includes engine oil filter, secondary and primary fuel filters, primary and secondary air elements, hydraulic return filter kit, hydraulic breather, crankcase vent filter element, transmission filter)	

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FIGURE 4-4. ENGINE IF EQUIPPED FOR LS



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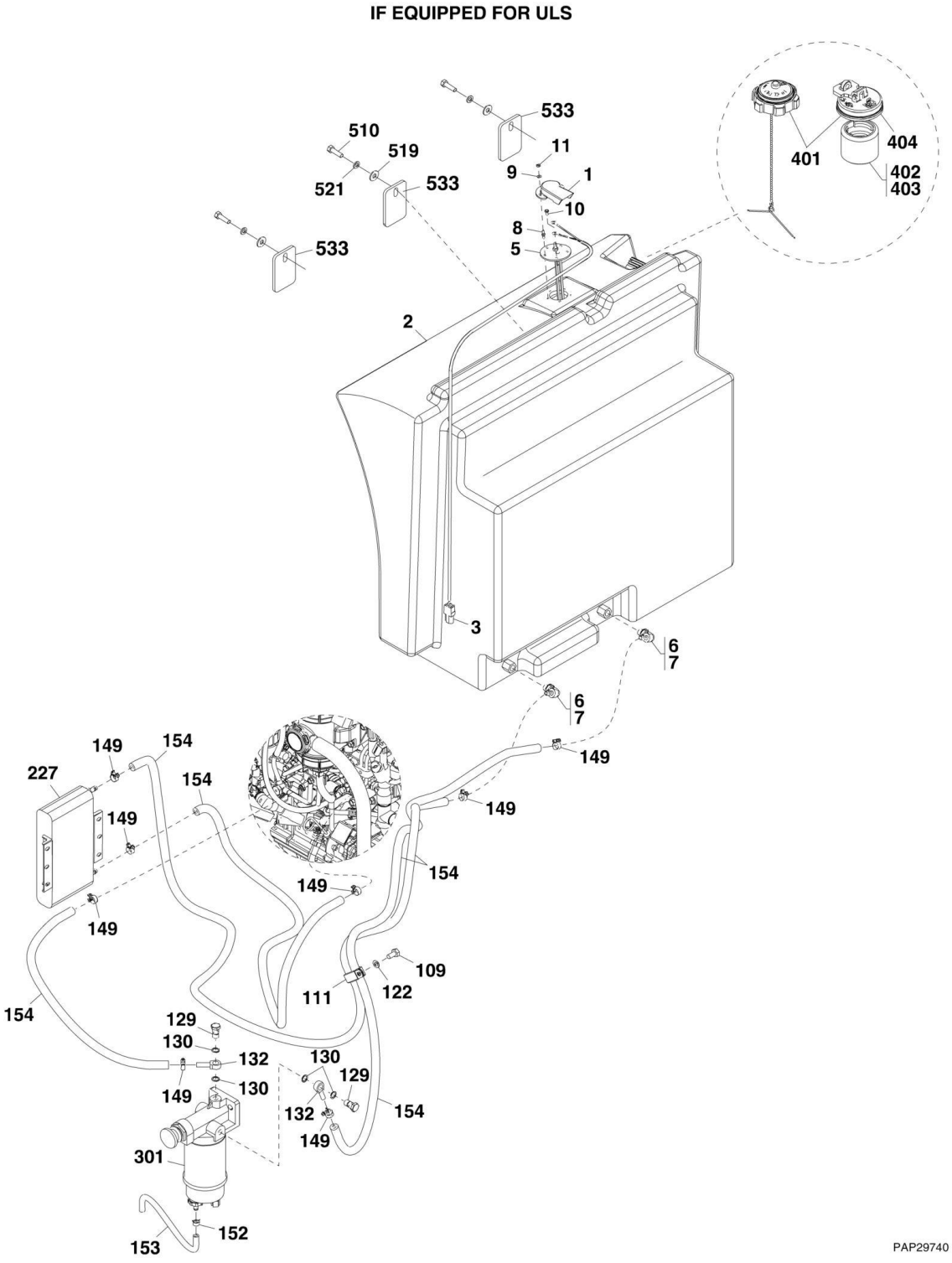
FIGURE 4-4. ENGINE IF EQUIPPED FOR LS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001134415	1	CUMMINS ENGINE, 3.3L, (if equipped for LS), (includes all items)	C
	70024285	1	FAN BELT	
	70024385	1	FAN SPACER	
	70021849	1	ALTERNATOR	
	70021850	1	STARTER	
	8036204	1	OIL FILTER ELEMENT	
	70021854	1	DIPSTICK	
	70023565	1	DIPSTICK TUBE	
	70022842	1	OIL FILL CAP	
	70024286	1	THERMOSTAT	
	70022846	1	SECONDARY FUEL FILTER ELEMENT	
	70022844	1	OIL PAN PLUG	
K1	1001158564	1	250 HR FILTER KIT, (includes engine oil filter, secondary and primary fuel filters, primary and secondary air elements)	
K2	1001158565	1	1000 HR FILTER KIT, (includes engine oil filter, secondary and primary fuel filters, primary and secondary air elements, hydraulic return filter kit, hydraulic breather, transmission filter)	

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SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-5. FUEL TANK AND LINES IF EQUIPPED FOR ULS



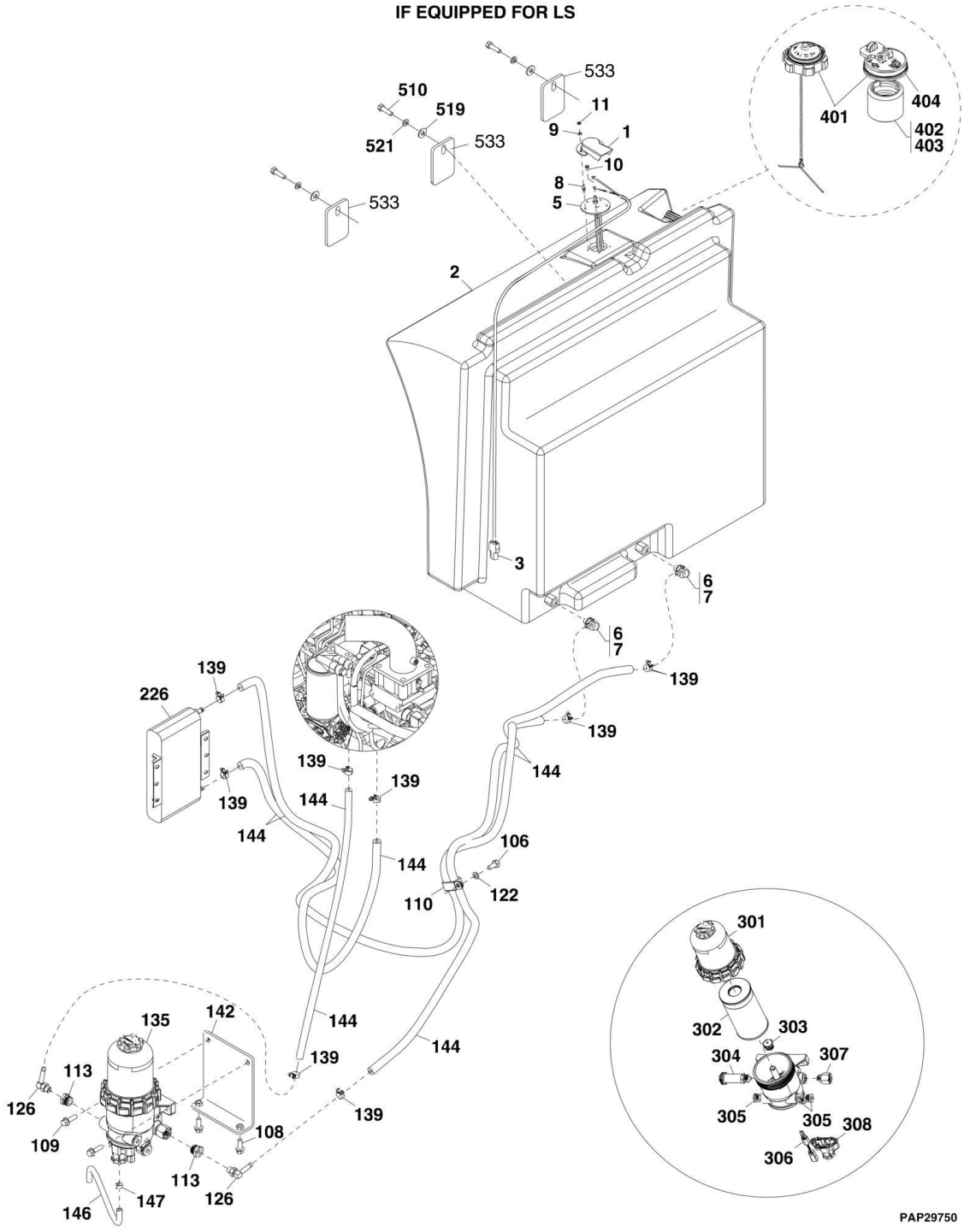
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FIGURE 4-5. FUEL TANK AND LINES IF EQUIPPED FOR ULS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001130780	Ref	FUEL TANK ASSY, (if equipped for ULS), (not available to order, see items 1 thru 11 for service)	C
1	1671313	1	FUEL SENDER COVER	
2	1001134413	1	FUEL TANK	
3	4923452	1	FUEL SENDER HARNESS	
5	1001148837	1	FUEL LEVEL SENDER	
6	1001130776	2	HOSE BARB ADAPTER	
7	0100093	AR	LOCTITE 30512	
8	1001148847	3	ADAPTER	
9	4811600	3	WASHER, 5mm	
10	0731003	2	HEX HD MACHINE SCREW, 10-32X3/8	
11	1001149344	3	SPECIAL NUT, 8-32	
109	0761010	1	HEX HD CAPSCREW, M10X20, GR8.8	
111	1321716	1	DOUBLE P-CLAMP	
122	4832000	1	LOCKWASHER, 10mm	
129	1001102931	2	BANJO BOLT, M14	
130	1001102933	4	COPPER RING SEAL	
132	1001113511	2	BANJO ADAPTER, M14X3/8	
149	1001136975	8	FUEL HOSE CLAMP	
152	1001144802	1	HOSE CLAMP	
153	1001080998	1	FUEL FILTER DRAIN HOSE	
154	1001141400	323 in	FUEL HOSE	
227		Ref	FUEL RADIATOR, (See RADIATOR AND COOLING INSTALLATION for Breakdown)	
301		Ref	PRIMARY FUEL FILTER ASSY, (See ENGINE for Breakdown)	
401	1001093641	1	FUEL CAP, NON-LOCKING	
401	1001102657	1	FUEL CAP, LOCKABLE, (includes items 402 thru 404)	A
402	0100093	AR	LOCTITE 30512	
403	1001001422	1	FILLER NECK TANK ADAPTER	
404	1001080707	1	LOCKING FUEL CAP	
510	0641608	3	HEX HD CAPSCREW, 3/8-16X1	
519	4711600	3	WASHER, 3/8	
521	4761600	3	LOCKWASHER, 3/8	
533	1001150364	3	FUEL TANK HOLD DOWN	

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FIGURE 4-6. FUEL TANK AND LINES IF EQUIPPED FOR LS



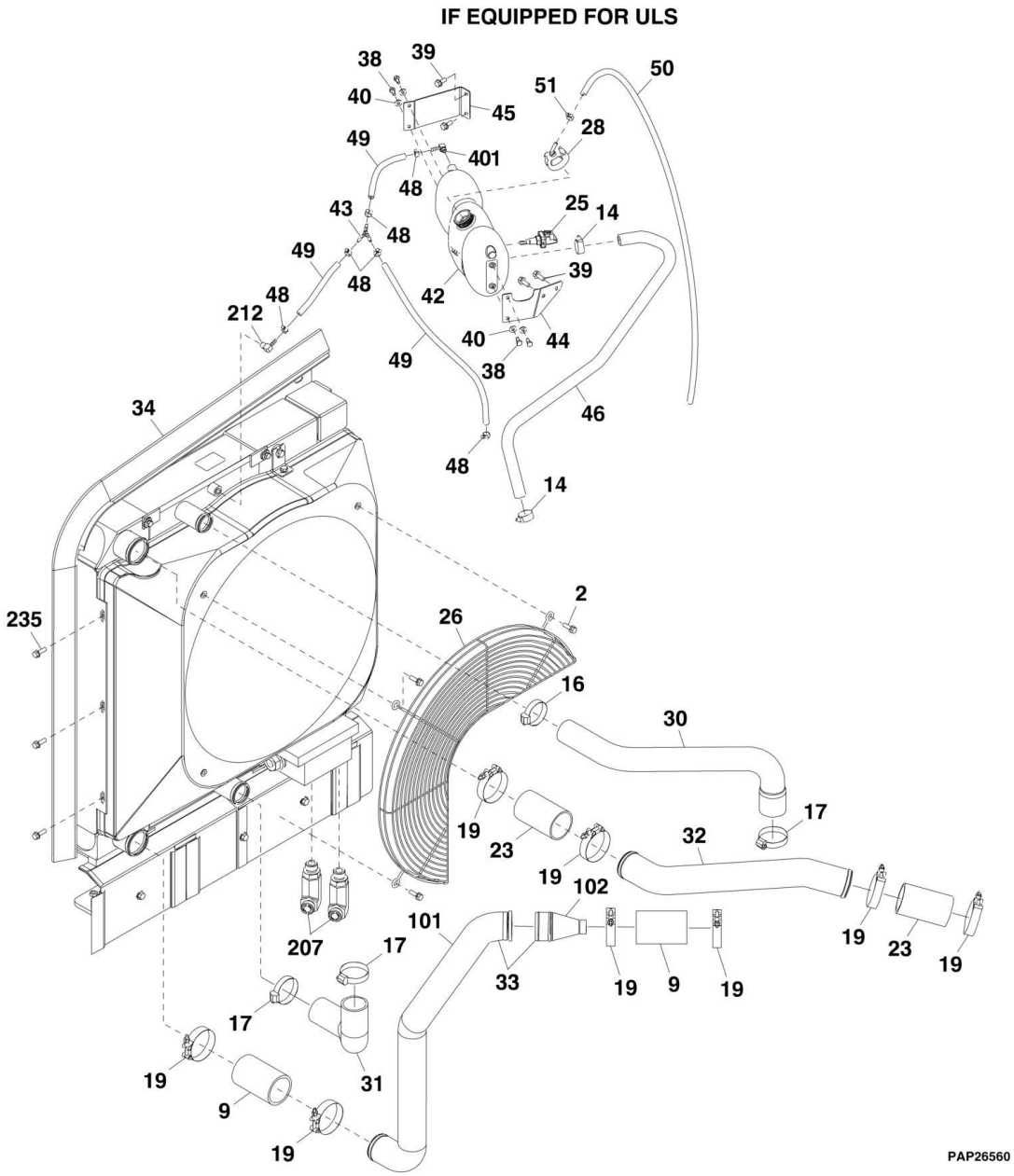
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FIGURE 4-6. FUEL TANK AND LINES IF EQUIPPED FOR LS

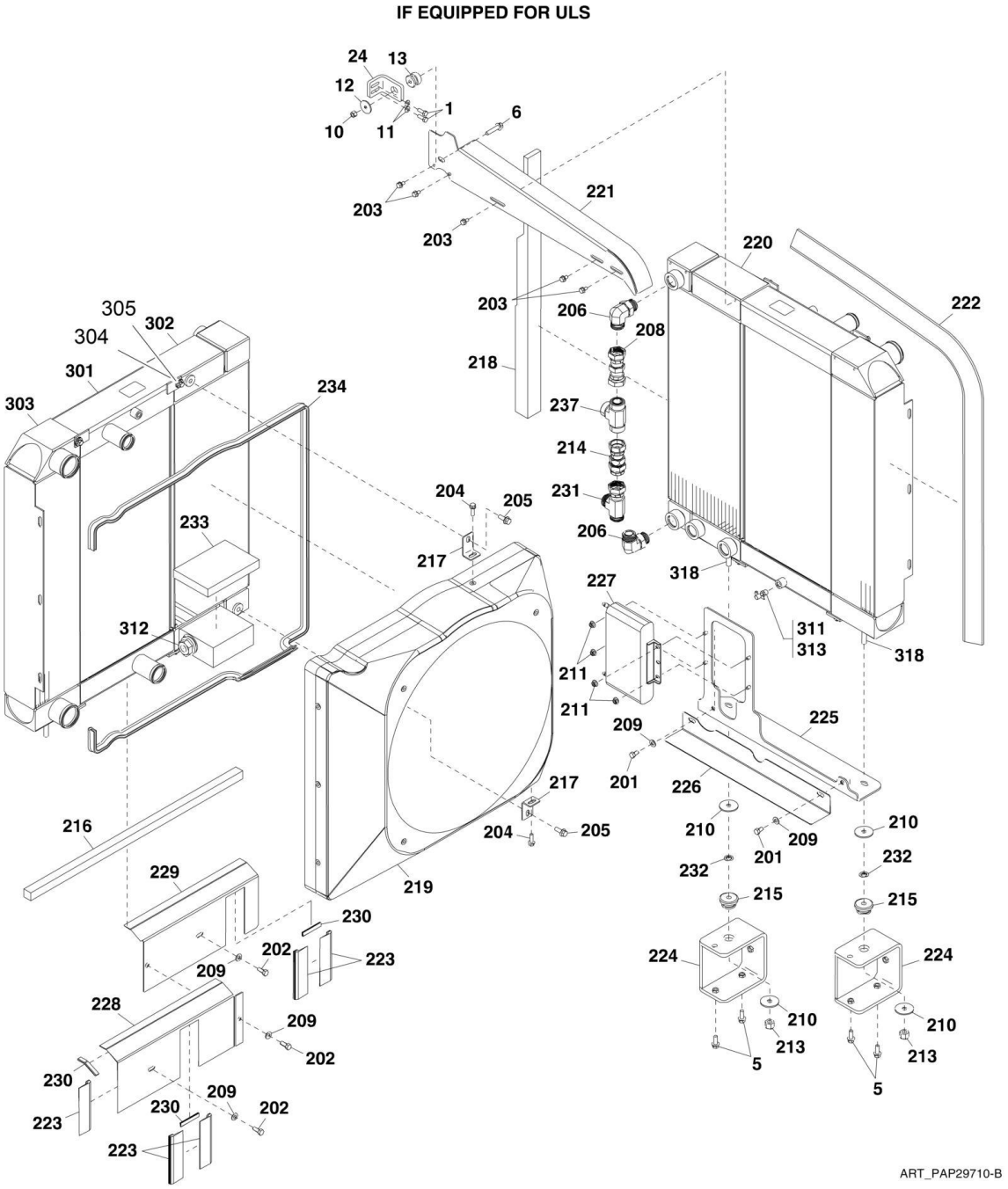
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001130780	Ref	FUEL TANK ASSY, (if equipped for LS), (not available to order, see items 1 thru 11 for service)	C
1	1671313	1	FUEL SENDER COVER	
2	1001134413	1	FUEL TANK	
3	4923452	1	FUEL SENDER HARNESS	
5	1001148837	1	FUEL LEVEL SENDER	
6	1001130776	2	HOSE BARB ADAPTER	
7	0100093	AR	LOCTITE 30512	
8	1001148847	3	ADAPTER	
9	4811600	3	WASHER, 5mm	
10	0731003	2	HEX HD MACHINE SCREW, 10-32X3/8	
11	1001149344	3	SPECIAL NUT, 8-32	
106	0761010	1	HEX HD CAPSCREW, M10X20, GR8.8	
108	0791608	2	SCREW, 3/8-16X1	
109	0791610	2	SCREW, 3/8-16X1-1/4	
110	1321716	1	DOUBLE P-CLAMP	
113	2220218	2	ADAPTER, STRAIGHT, (includes o-ring)	
122	4832000	1	LOCKWASHER, 10mm	
126	8430034	2	ELBOW, 90, (includes o-ring)	
135	1001133534	1	FUEL FILTER, (includes items 301 thru 308)	A
139	1001136975	8	FUEL HOSE CLAMP	
142	1001139197	1	FUEL FILTER BRACKET	
144	1001141400	312 in	FUEL HOSE	
146	1001080998	1	FUEL FILTER DRAIN HOSE	
147	1001144802	1	HOSE CLAMP	
226		Ref	FUEL RADIATOR, (See RADIATOR AND COOLING INSTALLATION for Breakdown)	
301	70024155	1	COVER ASSY, (includes vent cap, vent cap o-ring, collar, cover, cover o-ring and spring)	
302	70024156	1	FILTER ELEMENT	
303	70024157	1	CHECK VALVE ASSY	
304	70024158	1	PRIMER	
305	70024159	3	PLUG	
306	70024160	1	WATER-IN-FUEL SENSOR	
307	70024161	1	CHECK VALVE	
308	70024162	1	BOTTOM BOWL ASSY, (includes bottom bowl seal, bottom bowl screws, drain valve o-ring and drain valve)	
401	1001093641	1	FUEL CAP, NON-LOCKING	
401	1001102657	1	FUEL CAP, LOCKABLE, (includes items 402 thru 404)	A
402	0100093	AR	LOCTITE 30512	
403	1001001422	1	FILLER NECK TANK ADAPTER	
404	1001080707	1	LOCKING FUEL CAP	
510	0641610	3	HEX HD CAPSCREW, 3/8-16X1-1/4	
519	4751600	3	WASHER, 3/8	
521	4761600	3	LOCKWASHER, 3/8	
533	1001150364	3	FUEL TANK HOLD DOWN	

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FIGURE 4-7. RADIATOR AND COOLING INSTALLATION IF EQUPPED FOR ULS



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FIGURE 4-7. RADIATOR AND COOLING INSTALLATION IF EQUPPED FOR ULS

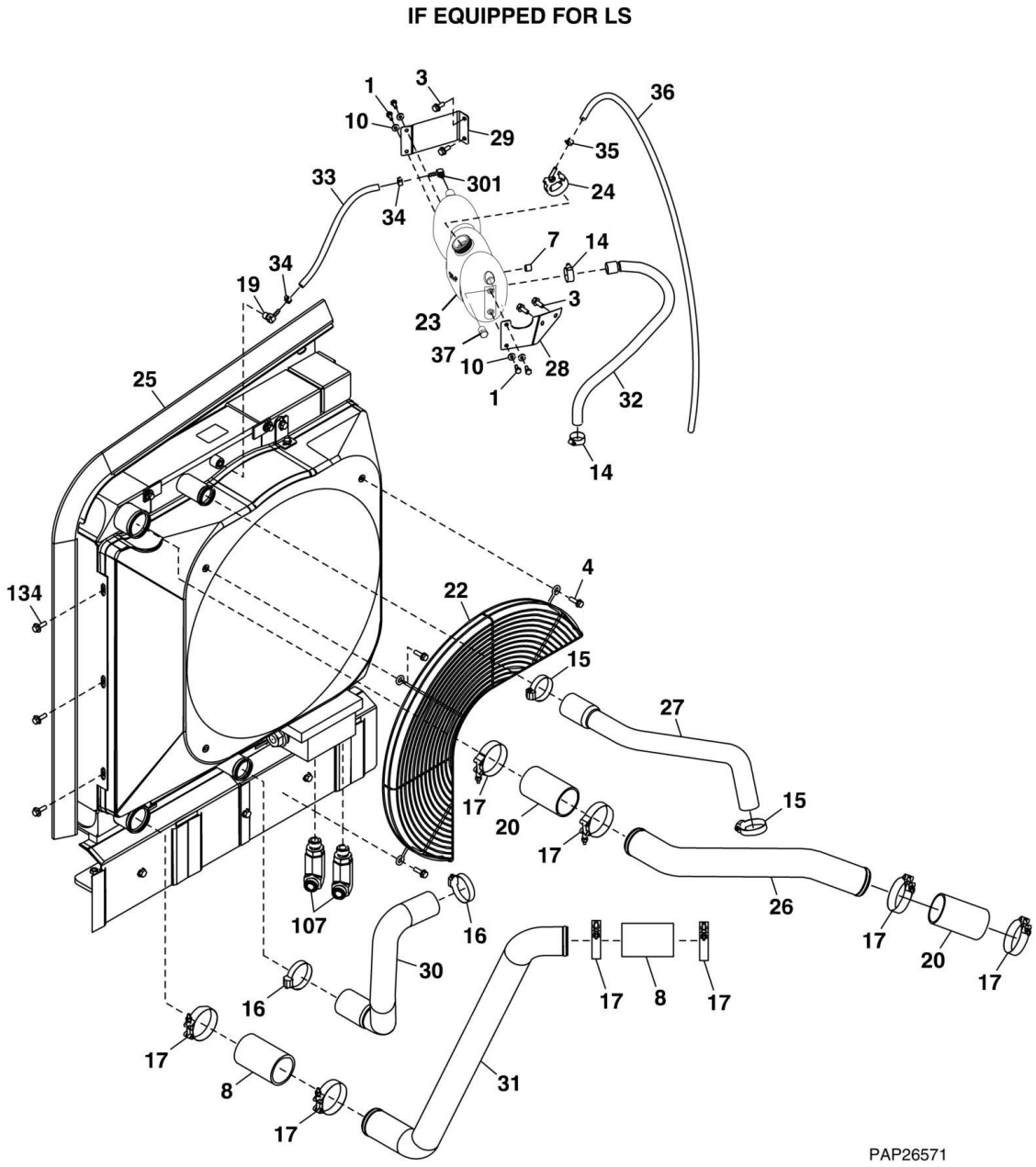
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131810	Ref	COOLER INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 51 for service)	E
1	0641508	2	HEX HD CAPSCREW, 5/16-18X1	
2	0791508	3	SCREW, 5/16-18x1	
5	0811608	4	SCREW, 3/8-16X1	
6	0811616	1	SCREW, 3/8-16X2	
9	2720644	2	CHARGE AIR COOLER HUMP HOSE, 2-1/2	
10	8305603	1	HEX LOCKNUT, 3/8-16	
11	4711500	2	WASHER, 5/16	
12	7057141	1	FLAT WASHER	
13	8278020	1	RUBBER ISOLATOR MOUNT	
14	8405007	2	GEAR CLAMP, 1-1/4 MAX DIA	
16	8405104	1	GEAR CLAMP, 2-1/4 MAX DIA	
17	8405201	3	GEAR CLAMP, 2-1/2 MAX DIA	
19	8405212	8	T-BOLT CLAMP	
23	1001114495	2	CHARGE AIR COOLER STRAIGHT HOSE, 2-1/2	
24	1001121050	1	COOLER ISOLATOR MOUNT PLATE	
25	1001121955	1	COOLANT LEVEL SENSOR	
26	1001122338	1	FAN GUARD GRILL	
28	1001128341	1	PRESSURE CAP	
30	1001129580	1	RADIATOR COOLANT HOSE	
31	1001129581	1	RADIATOR COOLANT HOSE	
32	1001129624	1	CHARGE AIR COOLER INLET PIPE	
33	1001141033	1	CHARGE AIR COOLER OUTLET REDUCER PIPE, (includes items 101 & 102)	D
34	1001131809	1	COOLER ASSY, (includes item 201 thru 237)	G
38	0641405	4	HEX HD CAPSCREW, 1/4-20X5/8	
39	0791506	4	SCREW, 5/16-18X3/4	
40	4711400	4	WASHER, 1/4	
42	1001128338	1	DEAERATION TANK, (includes item 401)	H
43	1001128510	1	HOSE BARB COUPLING	
44	1001138715	1	COOLANT TANK FRONT BRACKET	
45	1001138716	1	COOLANT TANK REAR BRACKET	
46	1001138751	1	COOLANT FILL HOSE	
48	1320022	6	HOSE CLAMP	
49	1001139685	33 in	BULK HOSE, 1/4	
50	1001080998	1	EXPANSION TANK HOSE	
51	1001144802	1	HOSE CLAMP	
101	1001141031	1	CHARGE AIR COOLER OUTLET PIPE	
102	1001141032	1	CHARGE AIR COOLER REDUCER PIPE	
201	0641605	2	HEX HD CAPSCREW, 3/8-16X5/8	
202	0641607	3	HEX HD CAPSCREW, 3/8-16X7/8	
203	0791504	5	SCREW, 5/16-18X1/2	
204	0791508	2	SCREW, 5/16-18x1	
205	0791604	2	SCREW, 3/8-16X1/2	
206	2131616	2	ADAPTER, 90, (includes o-ring)	
207	2170212	2	ADAPTER, 90, (long), (includes o-ring)	
208	2172416	1	ADAPTER, STRAIGHT, (includes o-ring)	
209	4711600	5	WASHER, 3/8	
210	4740274	4	SNUBBING WASHER	

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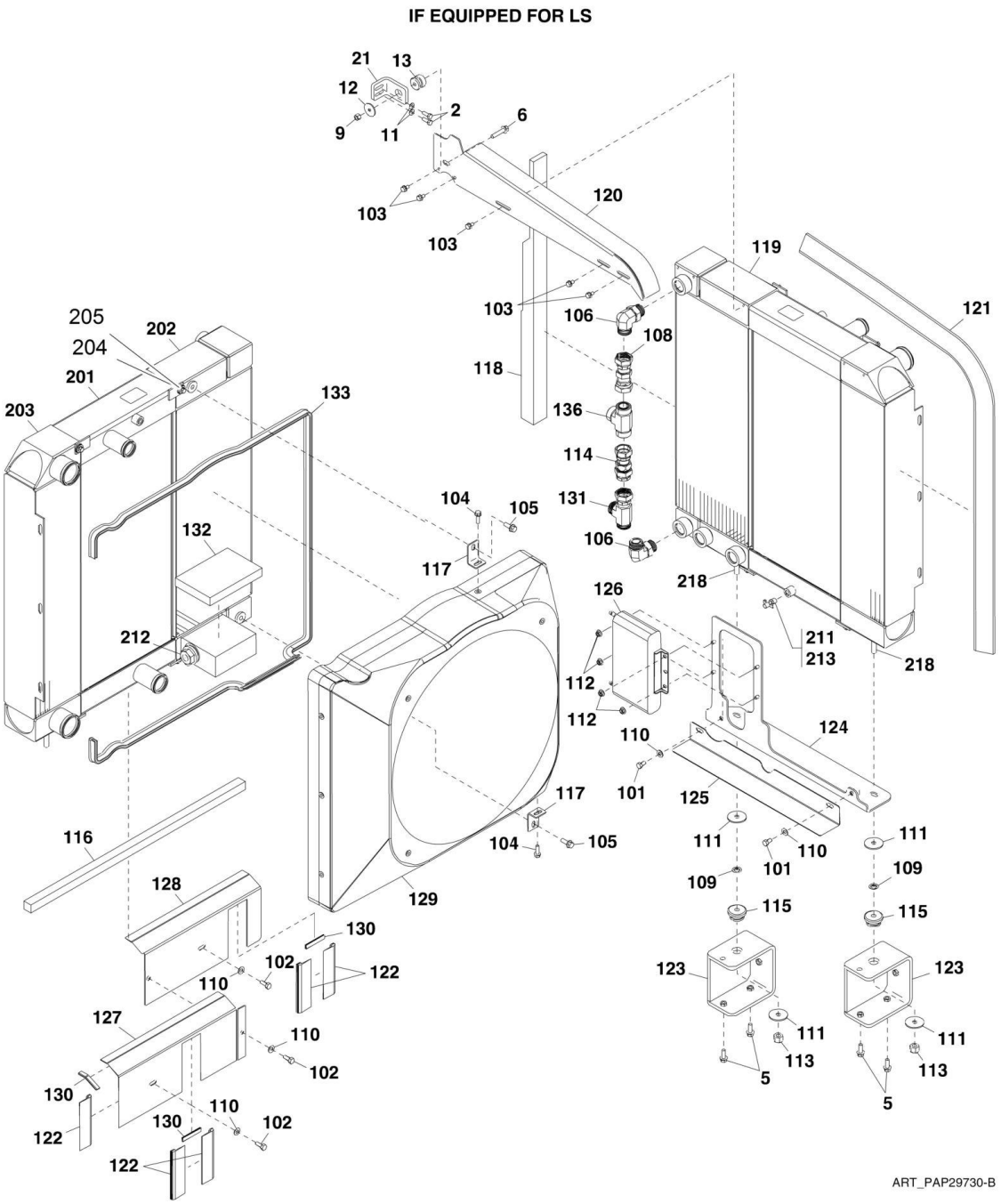
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
211	77143006	4	WHIZ-LOCKNUT, 5/16-18	
212	2220317	1	HOSE BARB FITTING	
213	88521208	2	LOCKNUT, 1/2-13	
214	1001159129	1	CHECK VALVE	
215	1001114803	2	ISOLATOR MOUNT	
216	1001118092	1	FOAM GASKET SEAL	
217	1001121404	2	SHROUD MOUNTING BRACKET	
218	1001121962	1	FOAM GASKET SEAL	
219	1001129577	1	FAN SHROUD	
220	1001129855	1	RADIATOR COOLING PACKAGE, (includes items 301 thru 318)	E
221	1001130046	1	AIR DAM PLATE	
222	1001130079	1	FOAM GASKET SEAL	
223	1001133877	5	TRIM-LOK FLAP SEAL	
224	1001134453	2	COOLER SUPPORT	
225	1001134456	1	FUEL COOLER MOUNT	
226	1001134458	1	DRIP SHIELD PLATE	
227	1001134516	1	FUEL RADIATOR	
228	1001138258	1	AIR DAM RIGHT PLATE	
229	1001138313	1	AIR DAM WELD PLATE	
230	90206194	9 in	VINYL EDGE TRIM, 1/16	
231	2170716	1	ADAPTER, RUN TEE, (includes o-ring)	
232	3300246	2	STEEL PUSH NUT	
233	1001147450	1	FOAM GASKET SEAL	
234	1001120639	100 in	BULB SEAL	
235	1001149227	3	HEX FLANGE SCREW, 5/16-18X1	
236	1001149756	1	FOAM GASKET SEAL	
237	2170516	1	ADAPTER, RUN TEE, (includes o-ring)	
301	70024110	1	RADIATOR	
302	70024111	1	COOLER	
303	70024109	1	CHARGE AIR COOLER	
304	70024113	6	HEX HD CAPSCREW, 5/16-18X1/2	
305	70024115	6	WASHER	
311	70024112	1	DRAINCOCK, 1/4	
312	70024116	1	THERMAL BYPASS VALVE	
313	70023337	1	OVERFLOW HOSE	
318	70024114	2	STUD, 1/2-13X3-1/2	
401	8420213	1	HOSE BARB ELBOW, 90	

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FIGURE 4-8. RADIATOR AND COOLING INSTALLATION IF EQUIPPED FOR LS



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FIGURE 4-8. RADIATOR AND COOLING INSTALLATION IF EQUIPPED FOR LS

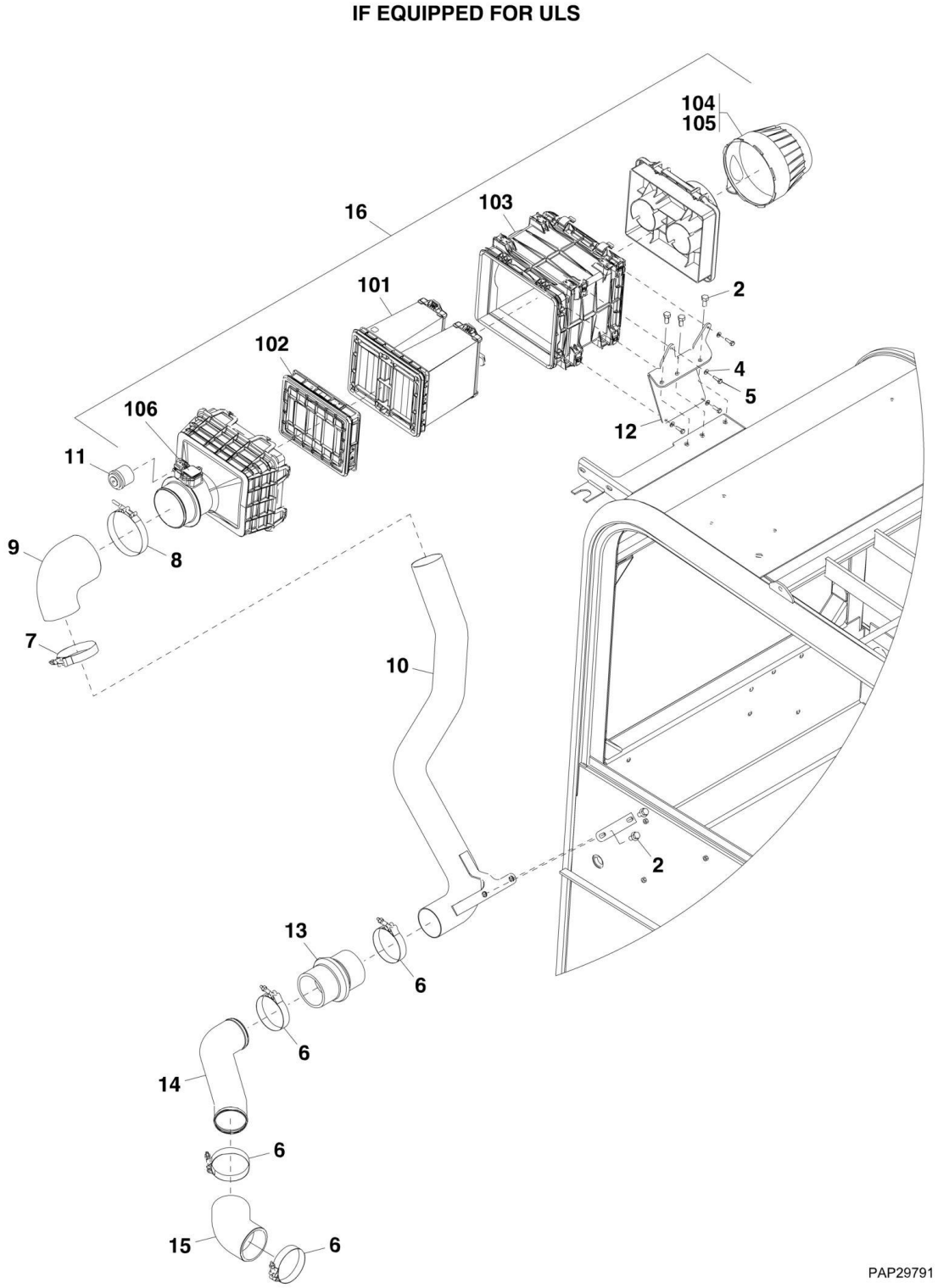
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001138669	Ref	COOLER INSTALLATION, (if equipped for LS), (not available to order, see items 1 thru 36 for service)	D
1	0641405	4	HEX HD CAPSCREW, 1/4-20X5/8	
2	0641508	2	HEX HD CAPSCREW, 5/16-18X1	
3	0791506	4	SCREW, 5/16-18X3/4	
4	0791508	3	SCREW, 5/16-18x1	
5	0811608	4	SCREW, 3/8-16X1	
6	0811616	1	SCREW, 3/8-16X2	
7	8530025	1	HEX SOCKET PLUG FITTING	
8	2720644	2	CHARGE AIR COOLER HUMP HOSE, 2-1/2	
9	3311601	1	HEX NUT, 3/8-16, GR2	
10	4711400	4	WASHER, 1/4	
11	4711500	2	WASHER, 5/16	
12	7057141	1	FLAT WASHER	
13	8278020	1	RUBBER ISOLATOR MOUNT	
14	8405007	2	GEAR CLAMP, 1-1/4 MAX DIA	
15	8405104	2	GEAR CLAMP, 2-1/4 MAX DIA	
16	8405201	2	GEAR CLAMP, 2-1/2 MAX DIA	
17	8405212	8	T-BOLT CLAMP	
19	2220317	1	HOSE BARB FITTING	
20	1001114495	2	CHARGE AIR COOLER STRAIGHT HOSE, 2-1/2	
21	1001121050	1	COOLER ISOLATOR MOUNT PLATE	
22	1001122338	1	FAN GUARD GRILL	
23	1001153912	1	DEAERATION TANK, (includes item 301)	H
24	1001128341	1	PRESSURE CAP	
25	1001138668	1	COOLER ASSY, (includes item 101 thru 136)	E
26	1001138701	1	CHARGE AIR COOLER INLET PIPE	
27	1001138713	1	RADIATOR COOLANT HOSE	
28	1001138715	1	COOLANT TANK FRONT BRACKET	
29	1001138716	1	COOLANT TANK REAR BRACKET	
30	1001138754	1	RADIATOR COOLANT HOSE	
31	1001138756	1	CHARGE AIR COOLER OUTLET PIPE	
32	1001139620	1	COOLANT FILL HOSE	
33	1001139685	12 in	BULK HOSE, 1/4	
34	1320022	2	HOSE CLAMP	
35	1001144802	1	HOSE CLAMP	
36	1001080998	1	EXPANSION TANK HOSE	
37	1001110712	1	PLUG	
101	0641605	2	HEX HD CAPSCREW, 3/8-16X5/8	
102	0641607	3	HEX HD CAPSCREW, 3/8-16X7/8	
103	0791504	5	SCREW, 5/16-18X1/2	
104	0791508	2	SCREW, 5/16-18x1	
105	0791604	2	SCREW, 3/8-16X1/2	
106	2131616	2	ADAPTER, 90, (includes o-ring)	
107	2170212	2	ADAPTER, 90, (long), (includes o-ring)	
108	2172416	1	ADAPTER, STRAIGHT, (includes o-ring)	
109	3300246	2	STEEL PUSH NUT	
110	4711600	5	WASHER, 3/8	
111	4740274	4	SNUBBING WASHER	
112	77143006	4	WHIZ-LOCKNUT, 5/16-18	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
113	88521208	2	LOCKNUT, 1/2-13	
114	1001159129	1	CHECK VALVE	
115	1001114803	2	ISOLATOR MOUNT	
116	1001118092	1	FOAM GASKET SEAL	
117	1001121404	2	SHROUD MOUNTING BRACKET	
118	1001121962	1	FOAM GASKET SEAL	
119	1001129855	1	RADIATOR COOLING PACKAGE, (includes items 201 thru 218)	
120	1001130046	1	AIR DAM PLATE	
121	1001130079	1	FOAM GASKET SEAL	
122	1001133877	5	TRIM-LOK FLAP SEAL	
123	1001134453	2	COOLER SUPPORT	
124	1001134456	1	FUEL COOLER MOUNT	
125	1001134458	1	DRIP SHIELD PLATE	
126	1001134516	1	FUEL RADIATOR	
127	1001138258	1	AIR DAM RIGHT PLATE	
128	1001138313	1	AIR DAM WELD PLATE	
129	1001138667	1	FAN SHROUD	
130	90206194	9 in	VINYL EDGE TRIM, 1/16	
131	2170716	1	ADAPTER, RUN TEE, (includes o-ring)	
132	1001147450	1	FOAM GASKET SEAL	
133	1001120639	101 in	BULB SEAL	
134	1001149227	3	HEX FLANGE SCREW, 5/16-18X1	
135	1001149756	1	FOAM GASKET SEAL	
136	2170516	1	ADAPTER, RUN TEE (includes o-ring)	
201	70024110	1	RADIATOR	
202	70024111	1	COOLER	
203	70024109	1	CHARGE AIR COOLER	
204	70024113	6	HEX HD CAPSCREW, 5/16-18X1/2	
205	70024115	6	WASHER	
211	70024112	1	DRAINCOCK, 1/4	
212	70024116	1	THERMAL BYPASS VALVE	
213	70023337	1	OVERFLOW HOSE	
218	70024114	2	STUD, 1/2-13X3-1/2	
301	8420213	1	HOSE BARB ELBOW, 90	

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FIGURE 4-9. AIR CLEANER INSTALLATION IF EQUIPPED FOR ULS



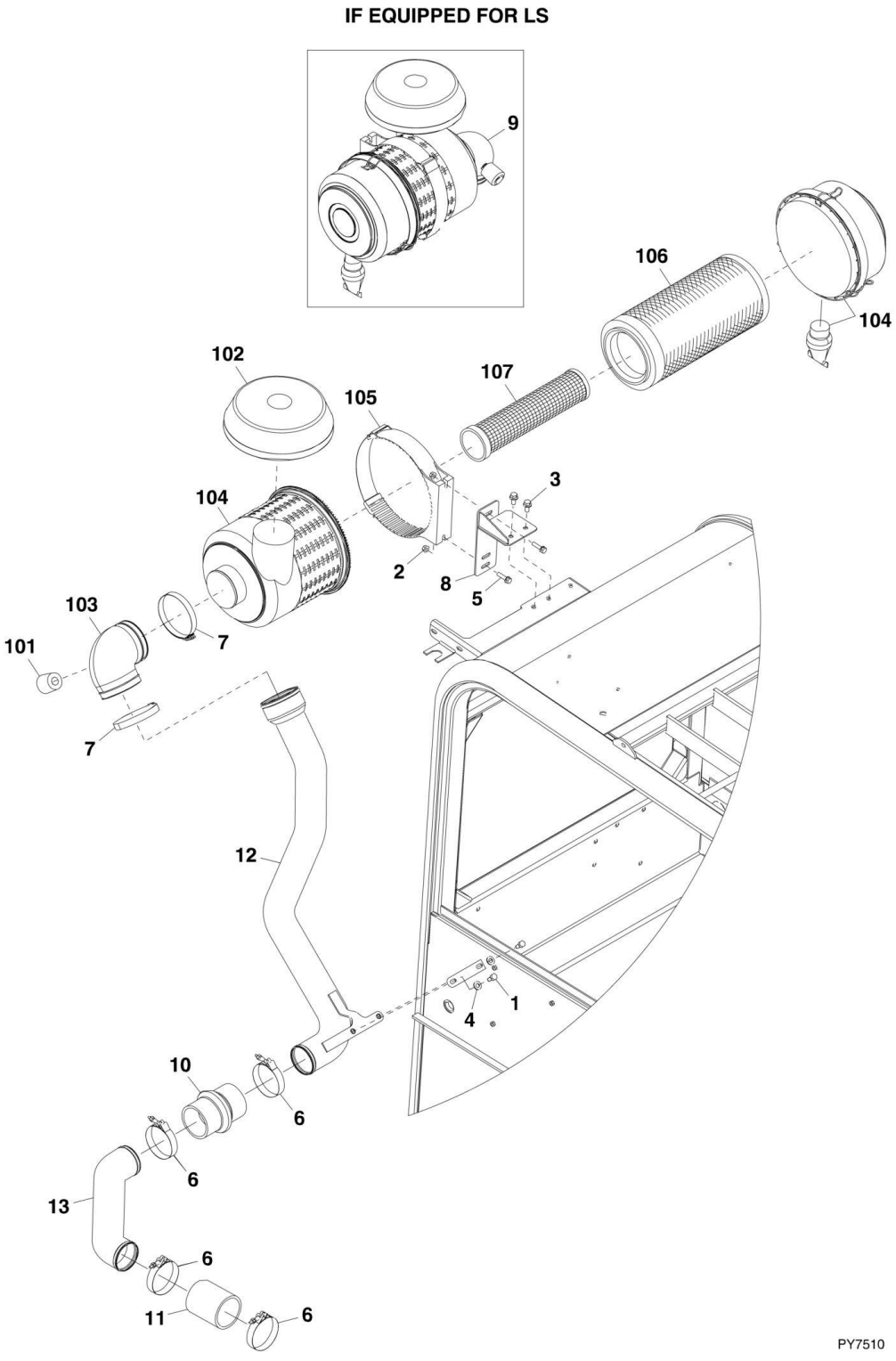
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FIGURE 4-9. AIR CLEANER INSTALLATION IF EQUIPPED FOR ULS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001129484	Ref	AIR CLEANER INSTALLATION, (if equipped for ULS), (not available to order, see items 2 thru 16 for service)	C
2	0811606	5	FLANGE SCREW, 3/8-16X3/4	
4	4811700	4	WASHER, 6mm	
5	8303544	4	HEX HD CAPSCREW, M6X20, GR8.8, (torque to 2.9 lb-ft/.3 Nm)	
6	8405305	4	T-BOLT CLAMP, 3.38 ID	
7	8410010	1	T-BOLT CLAMP	
8	77383790	1	BAND CLAMP, (torque to 40 lb-ft/4.5 Nm)	
9	91153007	1	REDUCTION ELBOW	
10	91513205	1	AIR INTAKE TUBE	
11	91563129	1	RESTRICTION INDICATOR, (torque to 15-20 lb-ft/1.7-2.3 Nm)	
12	1001129485	1	AIR CLEANER SUPPORT BRACKET	
13	1001129514	1	HUMP HOSE	
14	1001129515	1	AIR FILTER PIPE	
15	1001129518	1	AIR INTAKE HOSE	
16	1001132110	1	AIR FILTER, (includes items 101 thru 106)	D
101	70024177	1	PRIMARY ELEMENT	
102	70024176	1	SAFETY ELEMENT	
103	70024318	1	COVER	
104	70024270	1	VACUATOR VALVE	
105	70024271	1	PRE-CLEANER	
106	70024841	1	MASS AIR FLOW SENSOR	

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FIGURE 4-10. AIR CLEANER INSTALLATION IF EQUIPPED FOR LS



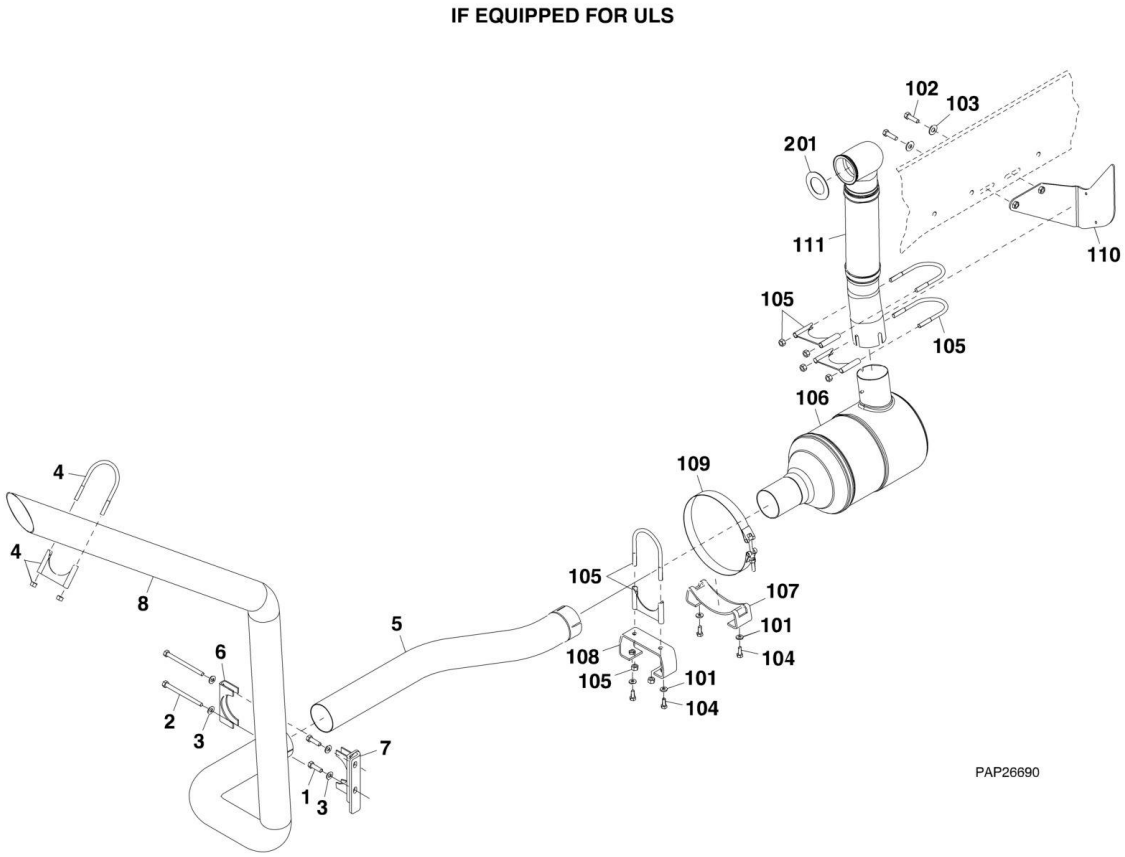
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FIGURE 4-10. AIR CLEANER INSTALLATION IF EQUIPPED FOR LS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001138706	Ref	AIR CLEANER INSTALLATION, (if equipped for LS), (not available to order, see items 1 thru 13 for service)	A
1	0641606	2	HEX HD CAPSCREW, 3/8-16X3/4, GR5	
2	0811510	2	SCREW, 5/16-18X1-1/4	
3	0811606	2	FLANGE SCREW, 3/8-16X3/4	
4	4711600	2	WASHER, 3/8	
5	8310420	2	FLANGE NUT, 5/16-18	
6	8405305	4	T-BOLT CLAMP, 3.38 ID	
7	10719267	2	HOSE CLAMP	
8	1001120393	1	AIR CLEANER SUPPORT BRACKET	
9	1001121278	1	AIR CLEANER, (includes items 101 thru 107)	E
10	1001129514	1	HUMP HOSE	
11	1001138718	1	AIR INTAKE HOSE	
12	1001138720	1	AIR INTAKE PIPE	
13	1001138749	1	AIR FILTER PIPE	
101	70023531	1	RESTRICTION INDICATOR	
102	70023532	1	RAIN CAP	
103	70023533	1	ELBOW	
104	N.S.S.	1	COVER AND BODY ASSY	
105	70023534	1	MOUNTING BAND	
106	70023535	1	PRIMARY ELEMENT	
107	70023536	1	SECONDARY ELEMENT	

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FIGURE 4-11. EXHAUST INSTALLATION IF EQUIPPED FOR ULS



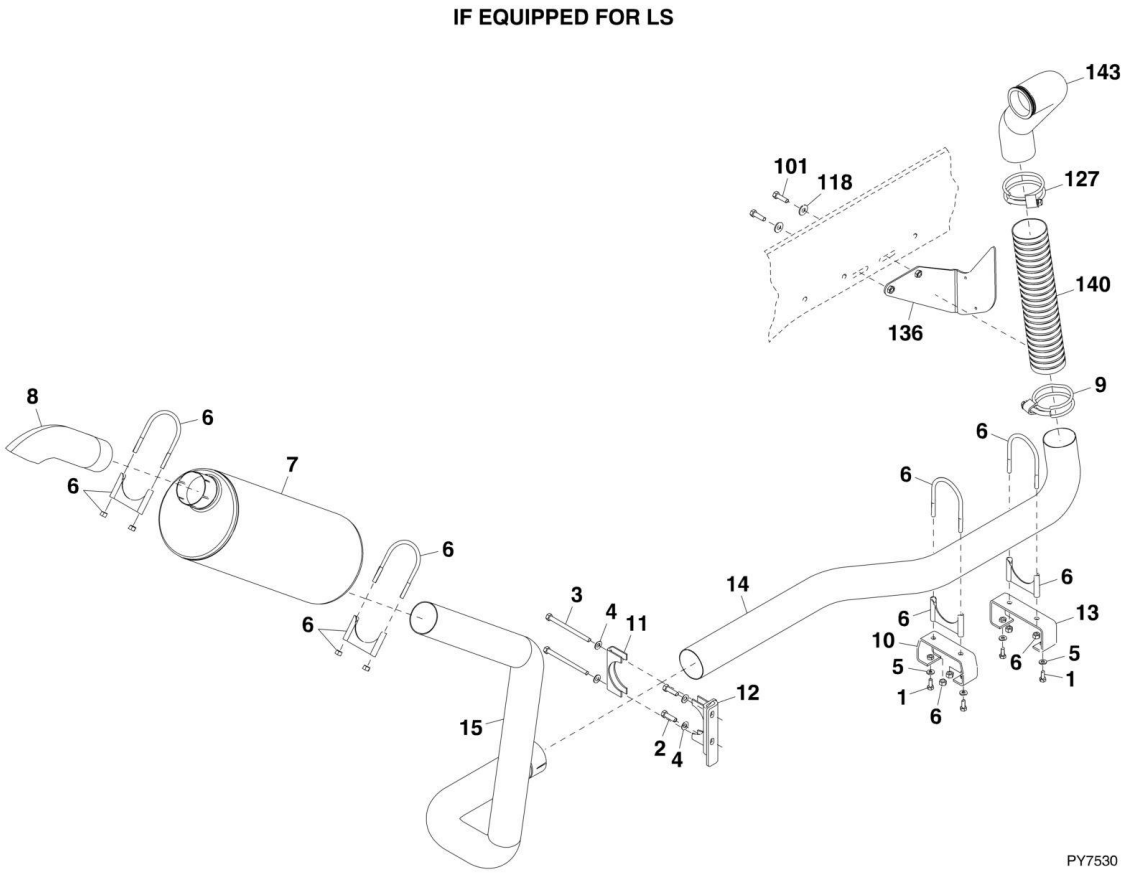
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FIGURE 4-11. EXHAUST INSTALLATION IF EQUIPPED FOR ULS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001132492	Ref	EXHAUST INSTALLATION, (G6-42A), (if equipped for ULS), (not available to order, see items 1 thru 8 for service)	B
	1001132459	Ref	EXHAUST INSTALLATION, (G9-43A & G10-43A), (if equipped for ULS), (not available to order, see items 1 thru 8 for service)	B
1	0641610	2	HEX HD CAPSCREW, 3/8-16X1-1/4	
2	0641638	2	HEX HD CAPSCREW, 3/8-16X4-3/4	
3	4711600	4	WASHER, 3/8	
4	24921332	1	EXHAUST CLAMP, 3IN	
5	1001129560	1	DOC OUTLET PIPE	
6	1001129787	1	EXHAUST CLAMP SADDLE MOUNT	
7	1001130031	1	EXHAUST PIPE SUPPORT	
8	1001132332	1	EXHAUST PIPE, (G6-42A)	
	1001120613	1	EXHAUST PIPE, (G9-43A & G10-43A)	
	1001131937	Ref	ENGINE POD EXHAUST INSTALLATION, (if equipped for ULS), (not available to order, see items 101 thru 111 for service)	C
101	0641506	4	HEX HD CAPSCREW, 5/16-18X3/4	
102	0641610	2	HEX HD CAPSCREW, 3/8-16X1-1/4	
103	4751600	2	WASHER, 3/8	
104	4891500	4	WASHER, 5/16	
105	24921332	3	EXHAUST CLAMP, 3IN	
106	1001127855	1	DOC AFTERTREATMENT	
107	1001128363	1	DOC MOUNT BRACKET	
108	1001128364	1	DOC PIPE MOUNT BRACKET	
109	1001128901	1	DOC CLAMP STRAP	
110	1001134241	1	HOSE WELD BRACKET	
111	1001129559	1	EXHAUST FLEX PIPE, (includes item 201)	
201	1001139846	1	ORIFICE PLATE	

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FIGURE 4-12. EXHAUST INSTALLATION IF EQUIPPED FOR LS



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FIGURE 4-12. EXHAUST INSTALLATION IF EQUIPPED FOR LS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001141119	Ref	EXHAUST INSTALLATION, (G6-42A), (if equipped for LS), (not available to order, see items 1 thru 15 for service)	B
	1001139321	Ref	EXHAUST INSTALLATION, (G9-43A & G10-43A), (if equipped for LS), (not available to order, see items 1 thru 15 for service)	B
1	0641506	4	HEX HD CAPSCREW, 5/16-18X3/4	
2	0641610	2	HEX HD CAPSCREW, 3/8-16X1-1/4	
3	0641640	2	HEX HD CAPSCREW, 3/8-16X5	
4	4711600	4	WASHER, 3/8	
5	4891500	4	WASHER, 5/16	
6	24921332	4	EXHAUST CLAMP, 3IN	
7	91163035	1	MUFFLER	
8	91403489	1	TAIL PIPE TUBE	
9	91403601	1	PIPE CLAMP	
10	1001128364	1	DOC PIPE ASSY MOUNT BRACKET	
11	1001129787	1	EXHAUST CLAMP SADDLE MOUNT	
12	1001130031	1	EXHAUST PIPE SUPPORT	
13	1001138137	1	EXHAUST PIPE BRACKET ASSY	
14	1001139348	1	EXHAUST PIPE	
15	1001141113	1	EXHAUST PIPE, (G6-42A)	
15	1001139322	1	EXHAUST PIPE, (G9-43A & G10-43A)	
101	0641610	2	HEX HD CAPSCREW, 3/8-16X1-1/4	
118	4751600	2	WASHER, 3/8	
127	91403601	1	PIPE CLAMP	
136	1001134241	1	HOSE WELD BRACKET	
140	1001138132	1	FLEX TUBE	
143	1001139308	1	TURBO EXHAUST PIPE	

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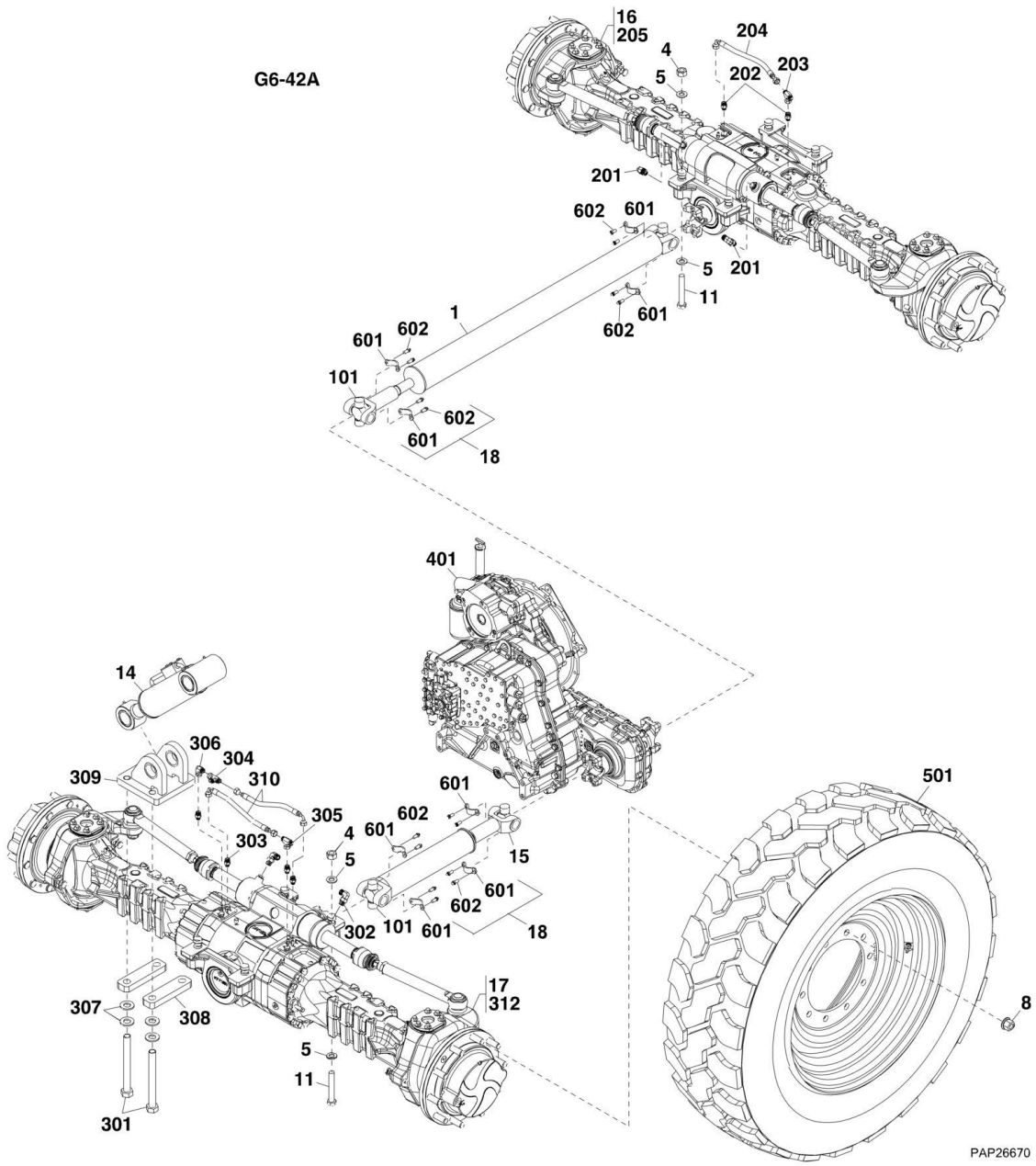
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SECTION 5 - DRIVE TRAIN

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SECTION 5 - DRIVE TRAIN

FIGURE 5-1. DRIVE TRAIN COMPONENTS G6-42A



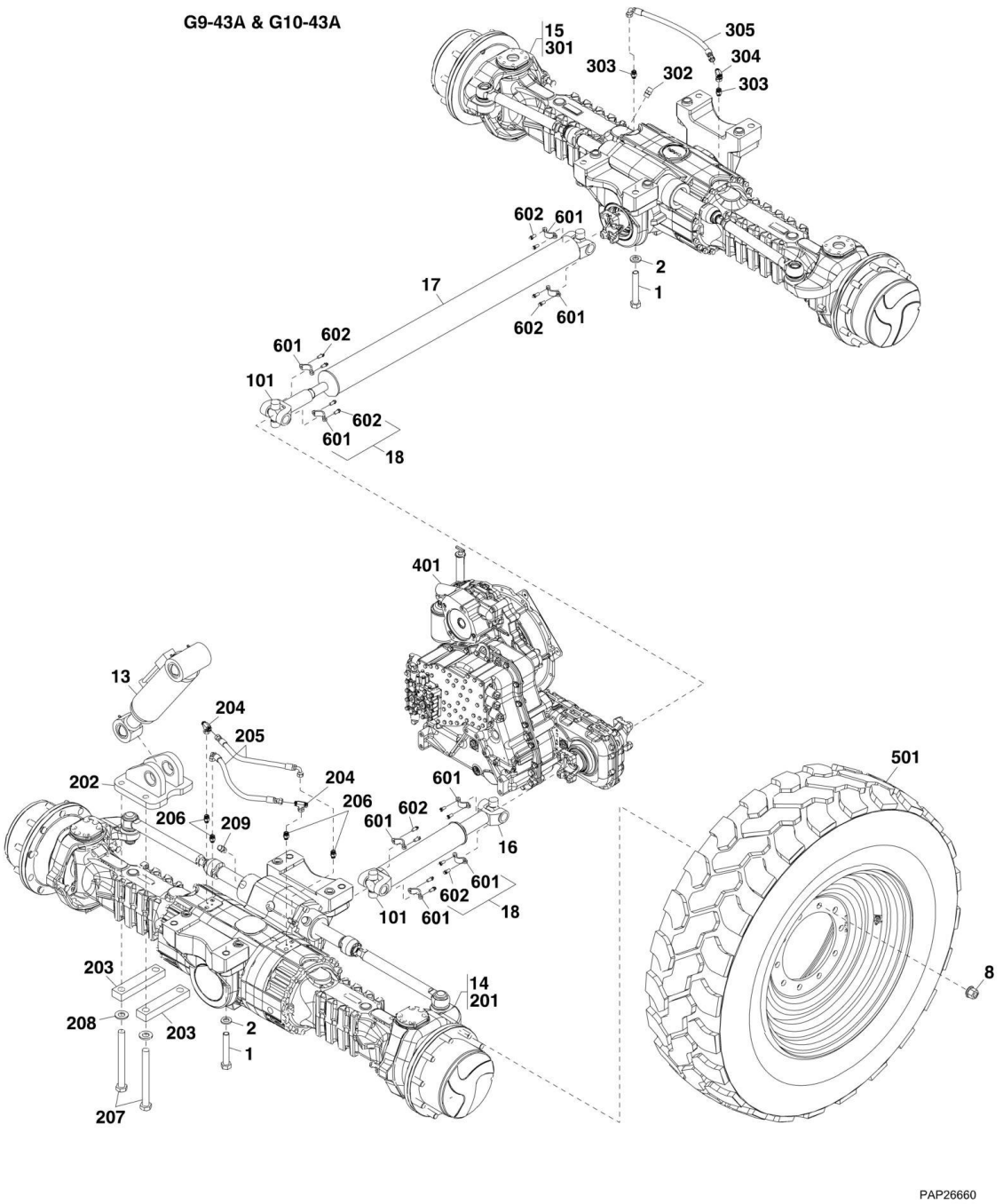
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FIGURE 5-1. DRIVE TRAIN COMPONENTS G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131799	Ref	DRIVETRAIN INSTALLATION, (G6-42A), (not available to order, see items 1 thru 18 for service)	D
1	4040292	1	REAR DRIVE SHAFT, (includes item 101)	
4	80501012	8	HEX NUT, 3/4-10	
5	90027473	16	HARDENED WASHER, 3/4	
7	91143220	100 in	PVC VINYL EDGE TRIM, 1/2, (not shown)	
8	91403193	40	WHEEL NUT, M22X1.5, (torque to 350-400 lb-ft/474-542 Nm)	
11	91403412	8	HEX HD CAPSCREW, 3/4-10X5, GR8	
14		Ref	FRAME LEVEL CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
15	1001117865	1	FRONT DRIVE SHAFT, (includes item 101)	
16	1001132467	1	REAR AXLE ASSY, (includes items 201 thru 205)	C
17	1001132468	1	FRONT AXLE ASSY, (includes items 301 thru 312)	C
18	8880218-OM	4	KIT, STRAP, DANA 1480, (includes items 601 & 602)	
101	8036433	4	UNIVERSAL JOINT KIT	
201	2130808	2	ADAPTER, 90, (includes o-ring)	
202	2144605	2	STRAIGHT FITTING, (includes o-ring)	
203	2170806	1	TEE FITTING, (includes o-ring)	
204	1001139375	1	HOSE ASSY	
205		Ref	REAR AXLE, (See REAR AXLE for Breakdown)	
301	0682676	4	HEX HD CAPSCREW, 1-8X9-1/2	
302	2130808	2	ADAPTER, 90, (includes o-ring)	
303	2144605	4	STRAIGHT FITTING, (includes o-ring)	
304	2170706	1	TEE FITTING, (includes o-ring)	
305	2170806	1	TEE FITTING, (includes o-ring)	
306	2172106	1	ADAPTER, 90, (includes o-ring)	
307	90027475	8	WASHER	
308	91471213	2	RETAINER PLATE	
309	91475074	1	SWAY LUG ASSY	
310	1001139375	2	HOSE ASSY	
312		Ref	FRONT AXLE, (See FRONT AXLE for Breakdown)	
401		Ref	TRANSMISSION, (See ZF TRANSMISSION for Breakdown)	
501		Ref	WHEEL ASSY, (See WHEEL ASSEMBLY for Breakdown)	
601	8880216-OM	8	STRAP	
602	8880217-OM	16	STRAP BOLT, 0.375-24X0.75, GR9	

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FIGURE 5-2. DRIVE TRAIN COMPONENTS G9-43A & G10-43A



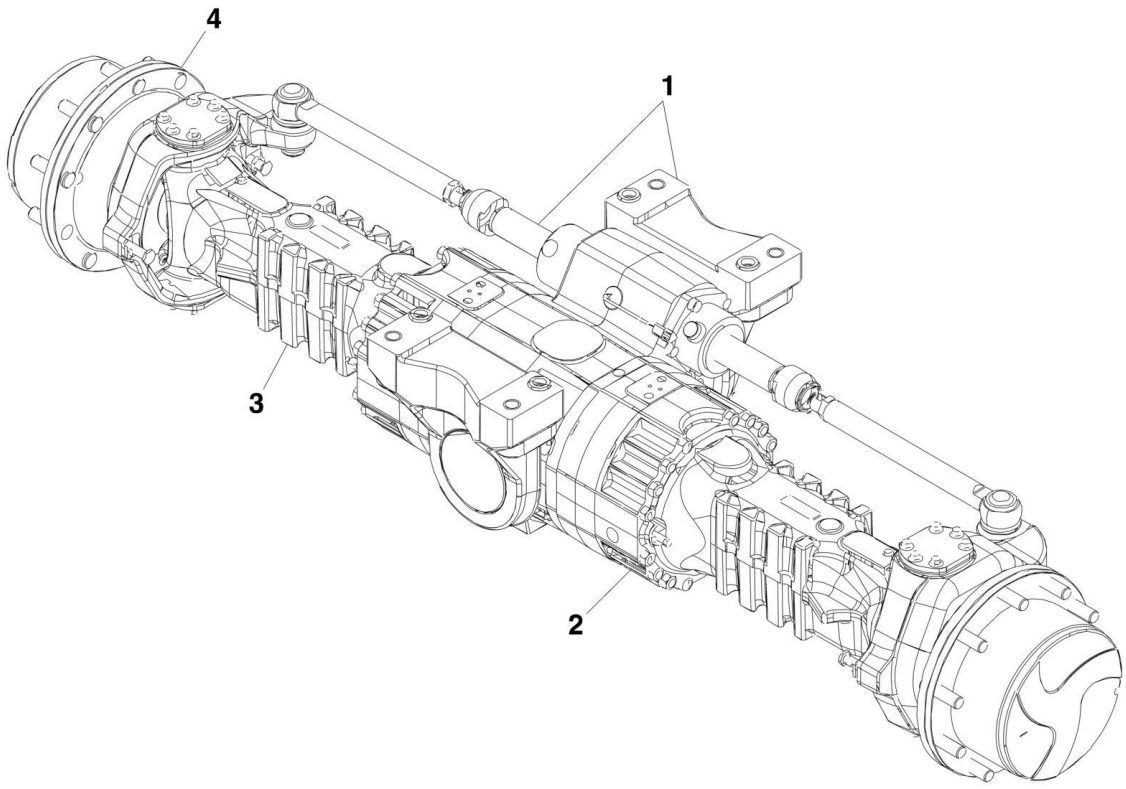
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FIGURE 5-2. DRIVE TRAIN COMPONENTS G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131776	Ref	DRIVETRAIN INSTALLATION, (G9-43A & G10-43A), (not available to order, see items 1 thru 18 for service)	B
1	0682444	16	HEX HD CAPSCREW, 7/8-9X5-1/2	
2	77383118	16	HARDENED WASHER, 7/8	
6	90206198	3.5 in	PVC VINYL EDGE TRIM, 3/16, (not shown)	
7	90206203	91 in	PVC VINYL EDGE TRIM, 1/2, (not shown)	
8	91403193	40	WHEEL NUT, M22X1.5, (torque to 350-400 lb-ft/474-542 Nm)	
13		Ref	FRAME LEVEL CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
14	1001097463	1	FRONT AXLE ASSY, (includes items 201 thru 209)	E
15	1001097464	1	REAR AXLE ASSY, (includes items 301 thru 305)	E
16	1001106573	1	FRONT DRIVE SHAFT	
17	1001106574	1	REAR DRIVE SHAFT	
18	8880218-OM	4	KIT, STRAP, DANA 1480, (includes items 601 & 602)	
101	8036433	4	UNIVERSAL JOINT KIT	
201		Ref	FRONT AXLE, (See FRONT AXLE for Breakdown)	
202	91515022	1	SWAY PIVOT ASSY	
203	91511105	2	RETAINER PLATE	
204	2170806	2	TEE FITTING, (includes o-ring)	
205	1001097466	2	HOSE ASSY	
206	2144605	4	STRAIGHT FITTING, (includes o-ring)	
207	77101143	4	HEX HD CAPSCREW	
208	90027475	7	WASHER	
209	2110808	2	STRAIGHT FITTING, (includes o-ring)	
301		Ref	REAR AXLE, (See REAR AXLE for Breakdown)	
302	2110808	2	STRAIGHT FITTING, (includes o-ring)	
303	2144605	2	STRAIGHT FITTING, (includes o-ring)	
304	2170806	1	TEE FITTING, (includes o-ring)	
305	1001097466	1	HOSE ASSY	
401		Ref	TRANSMISSION, (See ZF TRANSMISSION for Breakdown)	
501		Ref	WHEEL ASSY, (See WHEEL ASSEMBLY for Breakdown)	
601	8880216-OM	8	STRAP	
602	8880217-OM	16	STRAP BOLT, 0.375-24X0.75, GR9	

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FIGURE 5-3. FRONT AXLE



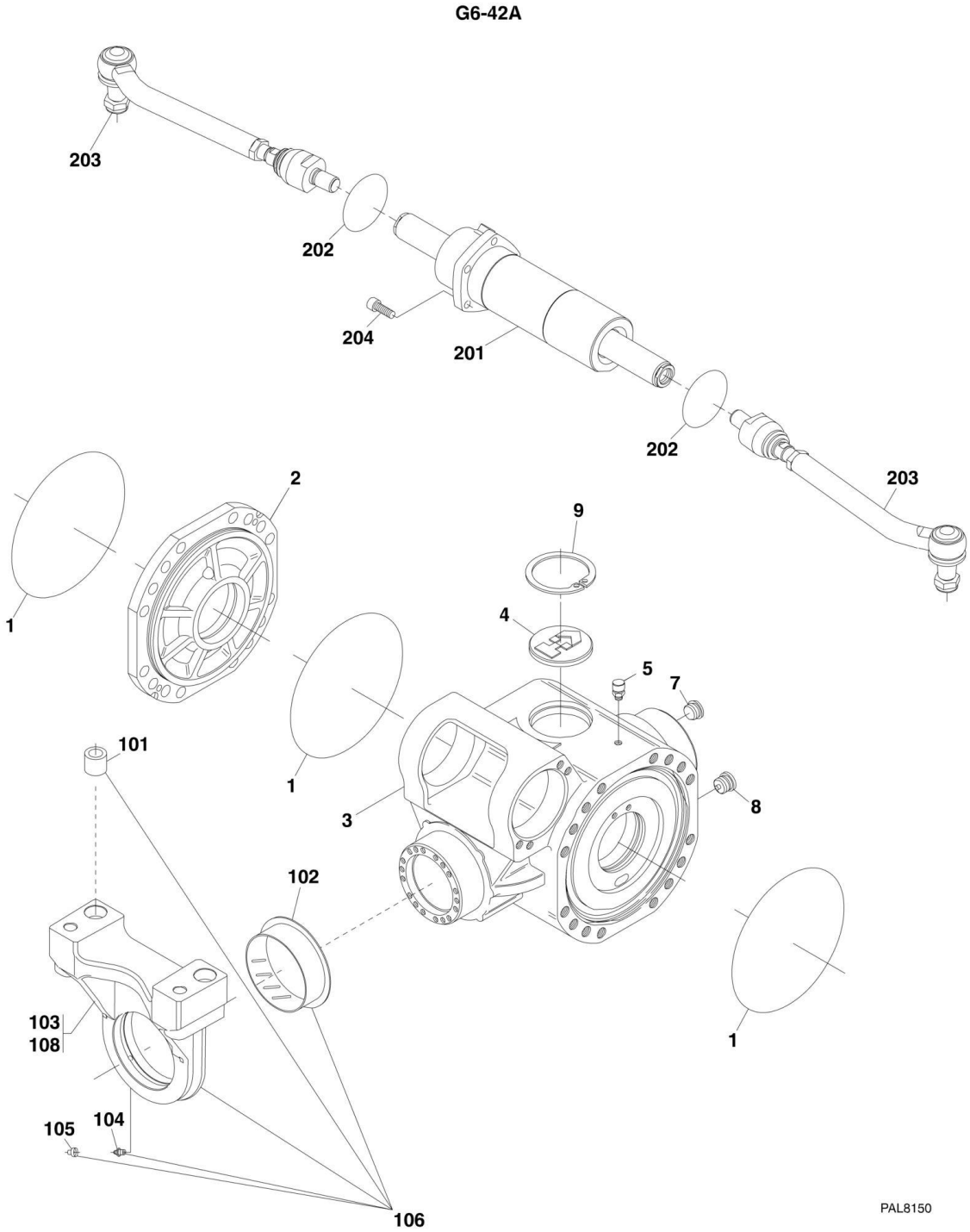
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FIGURE 5-3. FRONT AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001136365	1	FRONT AXLE, (G6-42A), (includes all items)	C
	1001136367	1	FRONT AXLE, (G9-43A & G10-43A), (includes all items)	B
1		Ref	CENTRAL HOUSING AND STEERING, (See CENTRAL HOUSING AND STEERING for Breakdown)	
2		Ref	DIFFERENTIAL, (See DIFFERENTIAL for Breakdown)	
3		Ref	HUB REDUCTION, (See HUB REDUCTION for Breakdown)	
4		Ref	BRAKES, (See BRAKES for Breakdown)	

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FIGURE 5-4. CENTRAL HOUSING AND STEERING G6-42A



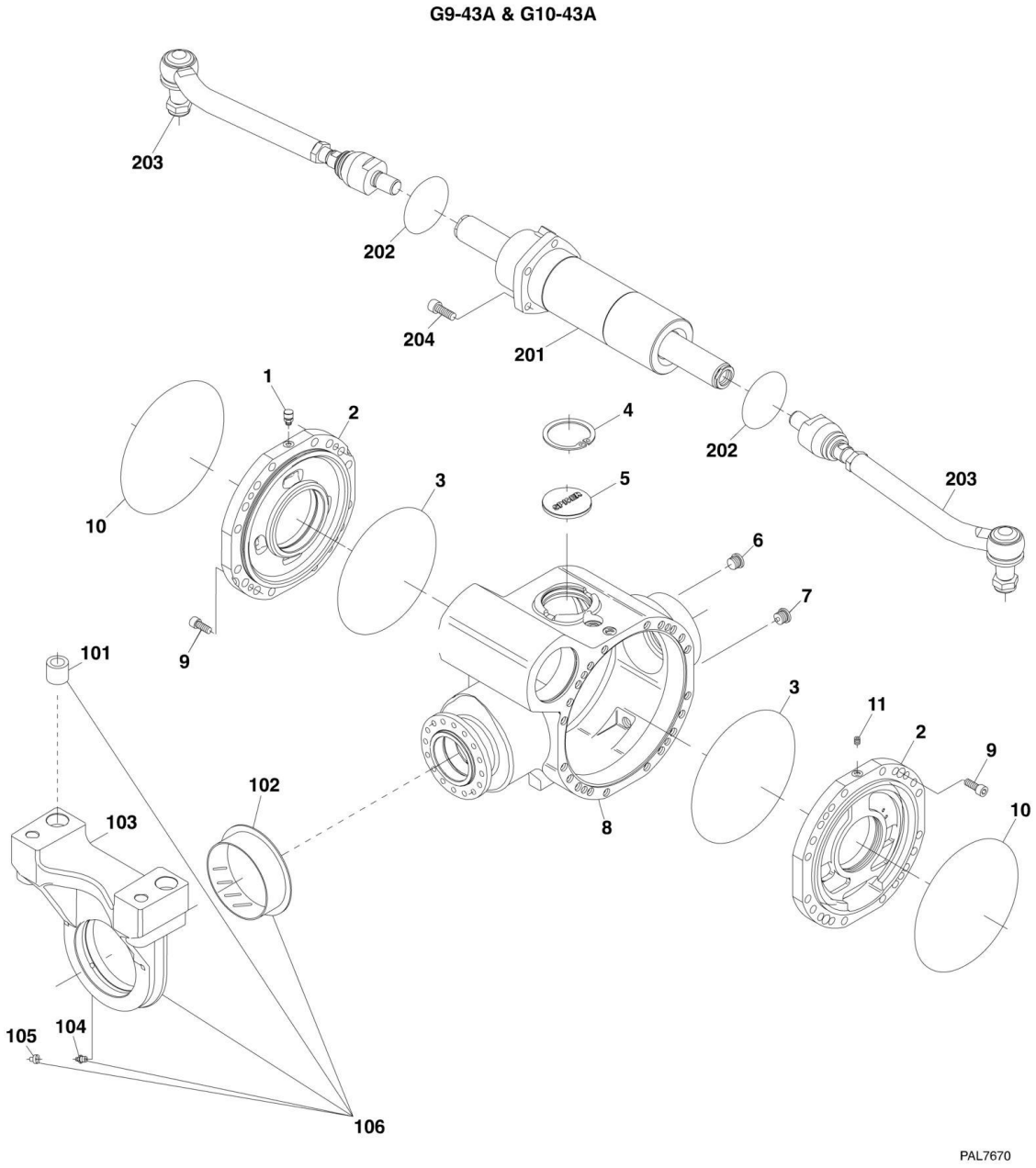
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FIGURE 5-4. CENTRAL HOUSING AND STEERING G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91474507	3	O-RING	
2	N.S.S.	1	COVER	
3	7029279	1	HOUSING	
4	91514098	1	PLUG	
5	91474512	1	VENT	
7	91514188	1	PLUG	
8	91474513	1	MAGNET PLUG	
9	80204005	1	CIRCLIP	
101	91474516	2	REDUCTION BUSHING	
102	91474515	1	THRUST BUSHING	
103	7029282	1	FRONT SUPPORT ASSY, (includes items 1, 2, 4 & 5)	
104	91514099	1	GREASE FITTING	
105	80204117	1	PLUG	
107	7029283	1	REAR SUPPORT ASSY, (includes items 1, 2, 4 & 5)	
201	91474522	4	BOLT	
204	7029528	1	STEERING CYLINDER	
205	91474521	2	TIE ROD	

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FIGURE 5-5. CENTRAL HOUSING AND STEERING G9-43A & G10-43A



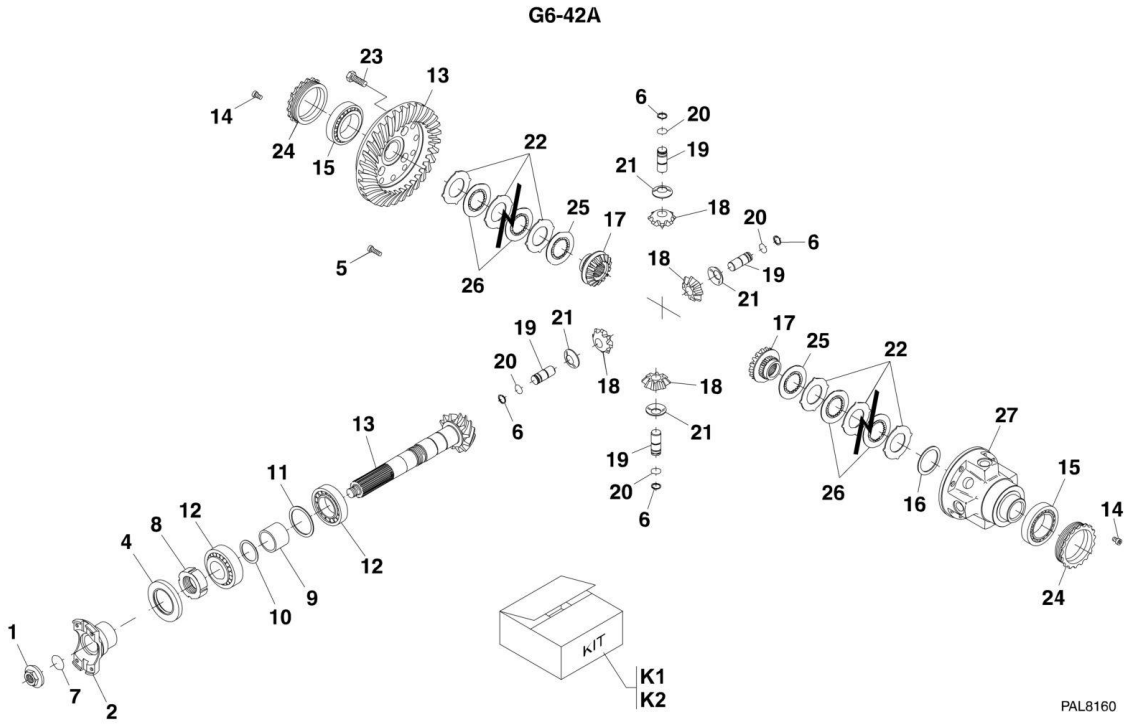
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FIGURE 5-5. CENTRAL HOUSING AND STEERING G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91474512	1	VENT	
2	7029288	1	INTERMEDIATE COVER	
3	80204002	1	O-RING	
4	80204005	1	CIRCLIP	
5	91514098	1	PLUG	
6	91514087	1	PLUG	
7	70021177	1	MAGNET PLUG	
8	7029289	1	HOUSING	
9	91514101	4	BOLT	
10	91514089	2	O-RING	
11	80204012	1	PLUG	
101	7029290	4	BUSHING	
102	91514090	2	BUSHING	
103	7029291	2	SUPPORT	
104	91514099	2	GREASE FITTING	
105	80204117	2	PLUG	
106	7029292	2	SUPPORT ASSY, (includes items 101 thru 105)	
201	7026490	1	STEERING CYLINDER	
202	80204143	2	O-RING	
203	70021614	2	TIE ROD	
204	80204144	5	BOLT	

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FIGURE 5-6. DIFFERENTIAL G6-42A



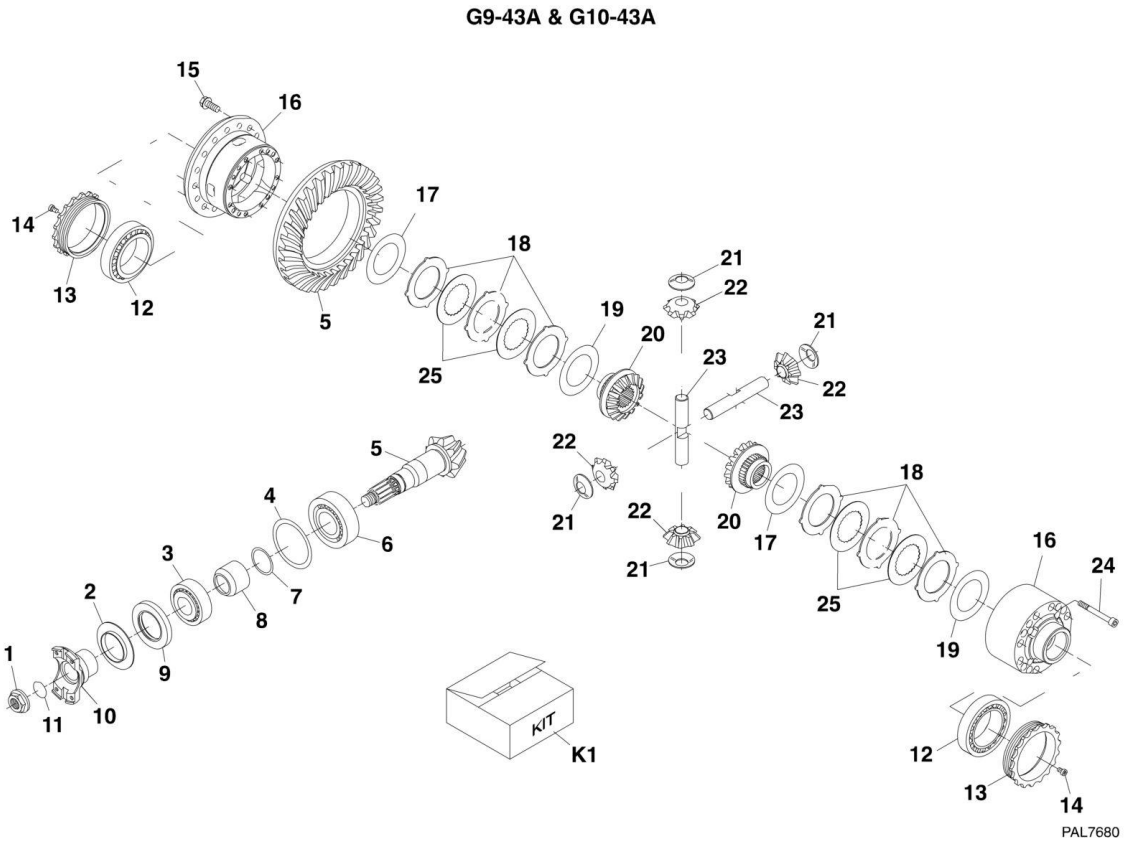
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FIGURE 5-6. DIFFERENTIAL G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91474528	1	NUT	
2	70022797	1	FLANGE	
4	91474532	1	SEAL	
5	91474591	4	BOLT	
6	91474550	4	CIRCLIP	
7	91474529	1	O-RING	
8	91474533	1	RING NUT	
9	91474539	1	SPACER	
10	91474535	AR	SHIM	
10	91474536	AR	SHIM	
10	91474537	AR	SHIM	
10	91474538	AR	SHIM	
11	91474540	AR	SHIM	
11	91474541	AR	SHIM	
11	91474542	AR	SHIM	
11	91474543	AR	SHIM	
12	3968141	2	TAPER ROLLER BEARING	
13	91474544	1	BEVEL GEAR SET	
14	91514134	2	BOLT	
15	91474548	2	TAPER ROLLER BEARING	
16	N.S.S.	1	SPACER	
17	91474549	2	DIFFERENTIAL SIDE GEAR	
18	7029129	4	DIFFERENTIAL PINION	
19	7029131	4	PIN	
20	91474551	4	CIRCLIP	
21	91474553	4	FRICTION WASHER	
23	91514123	12	BOLT	
24	91474547	2	RING NUT	
25	N.S.S.	2	DISC	
26	N.S.S.	4	DISC	
27	8007751	1	DIFFERENTIAL CARRIER	
K1	7028710	1	LIMITED SLIP DIFFERENTIAL, (includes items 6, 16 thru 22 & 25 thru 27)	
K2	8007755	2	DISC, (includes items 16, 22, 25 & 26)	

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FIGURE 5-7. DIFFERENTIAL G9-43A & G10-43A



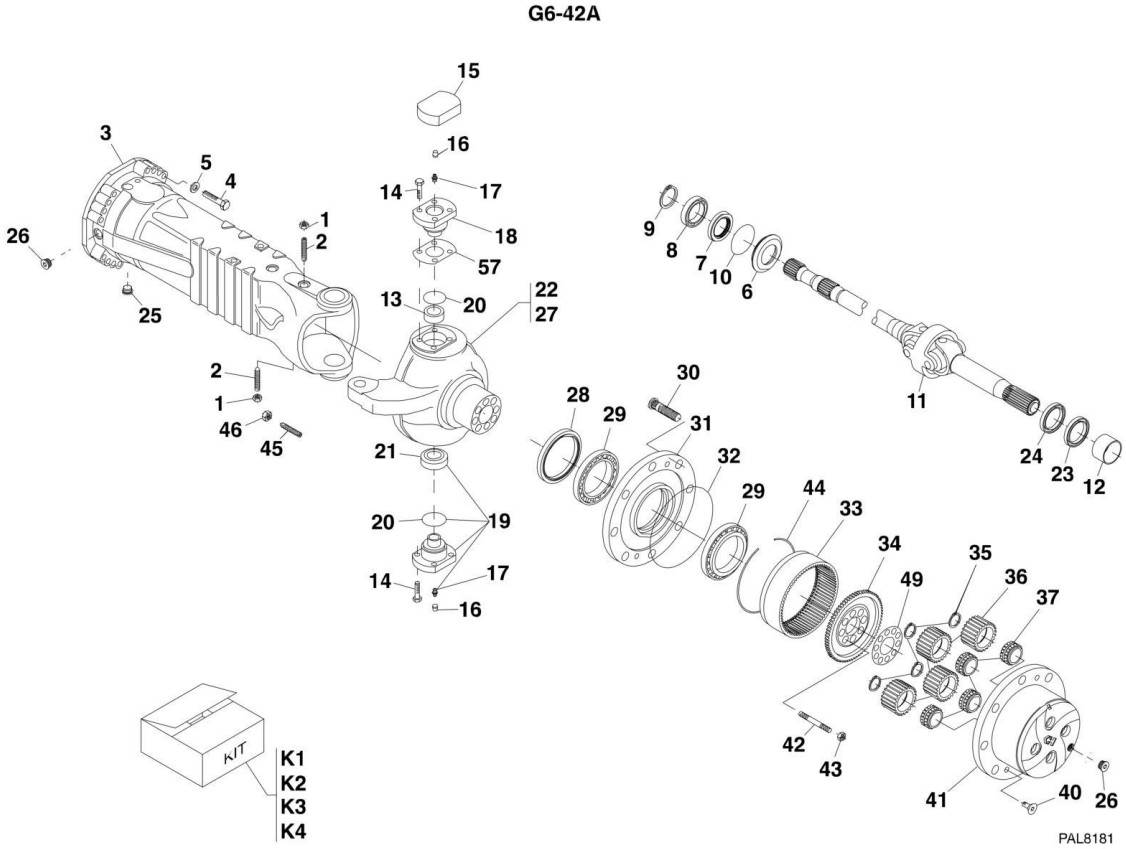
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FIGURE 5-7. DIFFERENTIAL G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	80204043	1	NUT	
2	91514130	1	COVERPLATE	
3	80204048	1	TAPER ROLLER BEARINGS	
4	80204049	AR	SHIM	
4	80204050	AR	SHIM	
4	80204051	AR	SHIM	
4	80204052	AR	SHIM	
5	91514191	1	BEVEL GEAR SET	
6	80204035	1	TAPER ROLLER BEARING	
7	70023494	1	RING KIT	
8	70022140	1	SPACER	
9	N.S.S.	1	SEAL	
10	91514131	1	FLANGE	
11	80204044	1	O-RING	
12	80204033	2	TAPER ROLLER BEARING	
13	91514133	2	RING NUT	
14	91514134	2	BOLT	
15	91514123	16	BOLT	
16	70024004	1	DIFFERENTIAL CARRIER	
17	N.S.S.	2	DISC	
18	70023496	2	CLUTCH DISC	
19	N.S.S.	2	DISC	
20	91514141	2	DIFFERENTIAL SIDE GEAR	
21	70023491	4	FRICTION WASHER	
22	80204025	4	DIFFERENTIAL PINION	
23	70023490	2	DIFFERENTIAL SHAFT	
24	91514143	15	BOLT	
25	N.S.S.	4	DISC	
K1	70024005	1	DIFFERENTIAL KIT, (includes items 16 thru 25)	

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FIGURE 5-8. HUB REDUCTION G6-42A



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FIGURE 5-8. HUB REDUCTION G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91514082	2	NUT	
2	91514081	2	BOLT	
3	N.S.S.	2	AXLE CASE	
4	N.S.S.	24	BOLT	
5	91514084	8	WASHER	
6	91514149	2	REDUCTION BUSHING	
7	91514147	2	SEAL	
8	91514146	2	BALL BEARING	
9	80204071	2	CIRCLIP	
10	91514148	2	O-RING	
11	N.S.S.	2	JOINT	
12	91514111	1	THRUST BUSHING	
13	7028714	2	BUSHING	
14	91514123	24	BOLT	
15	91474524	2	COVER	
16	80204117	2	Plug	
17	91514099	2	GREASE FITTING	
18	91514112	2	PIVOT PIN	
19	7028715	2	PIVOT PIN	
20	7028716	2	DUST EXCLUDER	
21	91514095	2	BEARING	
22	91474527	1	STEERING CASE	
23	7028718	2	SEAL	
25	91474513	2	MAGNET PLUG	
26	91514188	4	PLUG	
27	91474526	1	STEERING CASE	
28	7028721	2	SEAL	
29	91474576	4	BEARING	
30	80214120	20	WHEEL STUD	
31	7029737	2	WHEEL HUB	
32	91514181	2	O-RING	
33	91474580	2	RING GEAR	
34	91474581	2	RING GEAR SUPPORT	
35	91474585	8	CIRCLIP	
36	70023900	8	PLANET GEAR ASSY, (includes planet gear and bearing)	
40	91514189	4	COUNTERSUNK BOLT	
41	7029286	2	PLANET GEAR CARRIER	
42	91474583	20	STUD	
43	91474584	20	NUT	
44	91474579	2	CIRCLIP	
45	91514117	4	BOLT	
46	80204065	4	NUT	
49	91474582	2	LOCKING PLATE	
50	80204005	2	CIRCLIP	
57	91514113	AR	SHIM, 0.006	
57	91514114	AR	SHIM, 0.008	
57	91514115	AR	SHIM, 0.019	
61	N.S.S.	8	STUD	
62	91514083	8	NUT	
63	91474507	2	O-RING	

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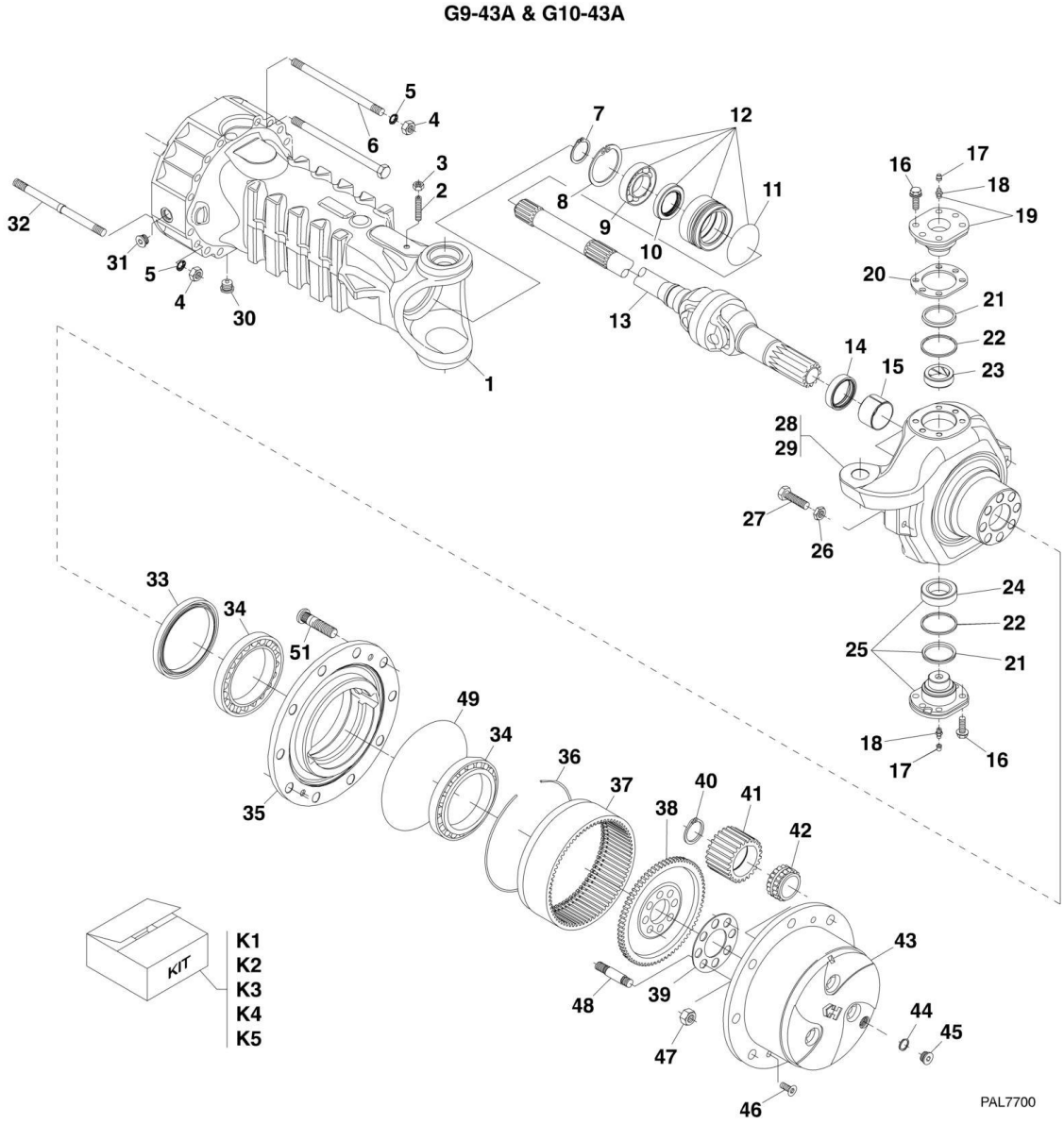
SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
K1	7029431	2	PLANET GEAR CARRIER KIT, (includes items 35 thru 37 & 41)	
K2	91474527	1	LEFT STEERING CASE KIT, (includes items 12 & 22)	
K3	91474526	1	RIGHT STEERING CASE KIT, (includes items 12 & 27)	
K4	7028733	4	STEERING ADJUSTING BOLT KIT, (includes items 45 & 46)	

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FIGURE 5-9. HUB REDUCTION G9-43A & G10-43A



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FIGURE 5-9. HUB REDUCTION G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.S.S.	2	AXLE CASE	
2	91514081	2	BOLT	
3	91514082	2	NUT	
4	91514083	8	NUT	
5	91514084	8	WASHER	
6	7029309	24	BOLT	
7	80204071	2	CIRCLIP	
8	80204005	2	CIRCLIP	
9	91514146	2	BALL BEARING	
10	91514147	2	SEAL	
11	91514148	2	O-RING	
12	91514149	2	REDUCTION BUSHING	
13	N.S.S.	2	DOUBLE UNIVERSAL JOINT	
14	7028718	2	SEAL	
15	91514111	1	THRUST BUSHING	
16	91514123	24	BOLT	
18	91514099	2	GREASE FITTING	
19	91514112	2	PIVOT PIN	
20	91514113	AR	SHIM	
20	91514114	AR	SHIM	
20	91514115	AR	SHIM	
21	7028716	2	DUST EXCLUDER	
23	7028714	2	BUSHING	
24	91514095	2	BEARING	
25	7028715	2	PIVOT PIN	
26	80204065	4	NUT	
27	91514117	4	BOLT	
28	7029294	1	LH STEERING CASE	
29	7029295	1	RH STEERING CASE	
30	70021177	2	MAGNET PLUG	
31	91514087	2	PLUG	
32	91514088	8	STUD	
33	7029300	2	SEAL	
34	80204076	4	TAPER ROLLER BEARING	
35	91514174	2	WHEEL HUB	
36	91514175	2	CIRCLIP	
37	70024147	2	RING GEAR	
38	91514177	2	RING GEAR SUPPORT	
39	91514178	2	LOCKING PLATE	
40	91514184	6	SNAP RING	
41	91514185	6	PLANET GEAR	
42	91514186	6	BEARING	
43	7026731	2	PLANET GEAR CARRIER	
45	91514188	2	PLUG	
46	91514189	4	COUNTERSUNK BOLT	
47	91514179	16	NUT	
48	91514180	16	STUD	
49	91514181	2	O-RING	
51	80214120	20	WHEEL STUD	
53	91514089	2	O-RING	

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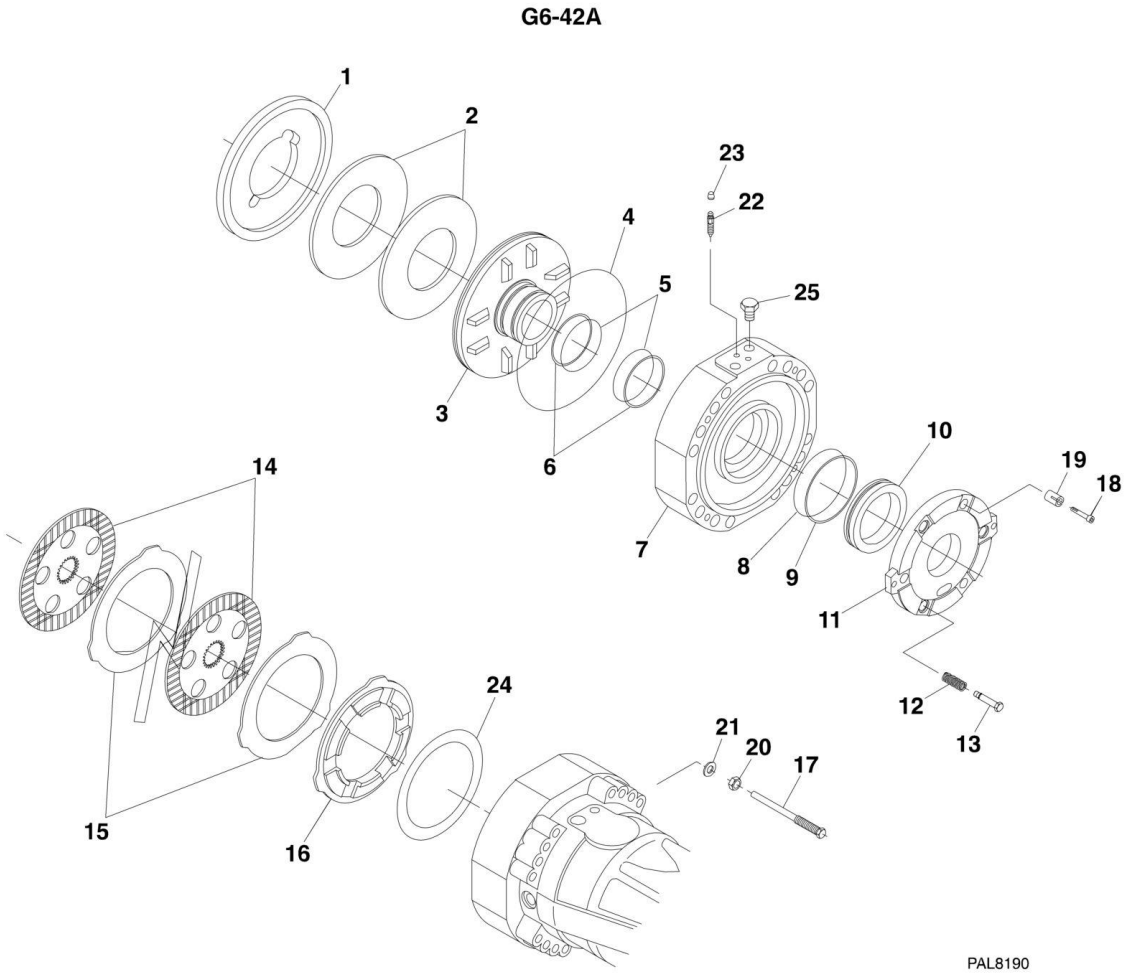
SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
K1	7029733	2	PLANET GEAR CARRIER KIT, (includes items 36 thru 38 & 40 thru 43)	
K2	7029750	1	LEFT STEERING CASE KIT, (includes items 15 & 28)	
K3	7029751	1	RIGHT STEERING CASE KIT, (includes items 15 & 29)	
K4	7028733	4	STEERING ADJUST BOLT KIT, (includes items 26 & 27)	
K5	70024146	2	RING GEAR SUPPORT KIT, (includes items 36 thru 38)	

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FIGURE 5-10. BRAKES G6-42A



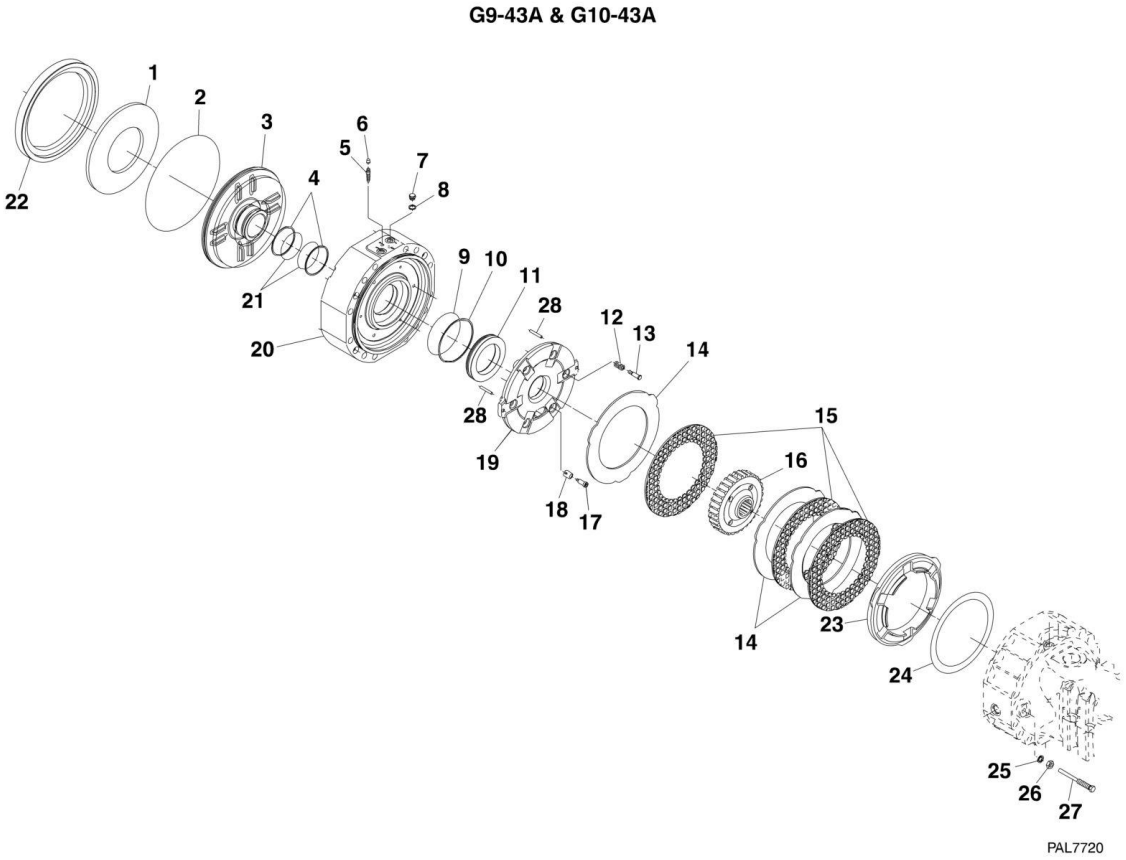
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FIGURE 5-10. BRAKES G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7028734	1	SPACER	
2	91474559	4	SPRING	
3	91474560	2	PISTON	
4	91474561	2	O-RING	
5	91514167	4	O-RING	
6	91514153	4	BACKUP RING	
7	7028735	2	COVER	
8	91474562	2	O-RING	
9	91474563	2	BACKUP RING	
10	91474564	2	PISTON	
11	91474565	2	INTERMEDIATE BRAKE DISC	
12	91514159	6	SPRING	
13	91514160	6	ADJUSTING BOLT	
14	91474568	8	DISC	
15	91474569	8	INTERMEDIATE BRAKE DISC	
16	91474570	2	SPACER	
17	70024213	4	BOLT	
18	7029788	6	ADJUSTING BOLT	
19	91514165	6	SPRING	
20	80204060	4	NUT	
21	80204108	4	LOCKWASHER	
22	80204281	4	BLEEDING BOLT	
23	80204117	4	PLUG	
24	91474571	AR	SHIM	
24	91474572	AR	SHIM	
24	91474573	AR	SHIM	
25	91514154	4	PLUG	

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FIGURE 5-11. BRAKES G9-43A & G10-43A



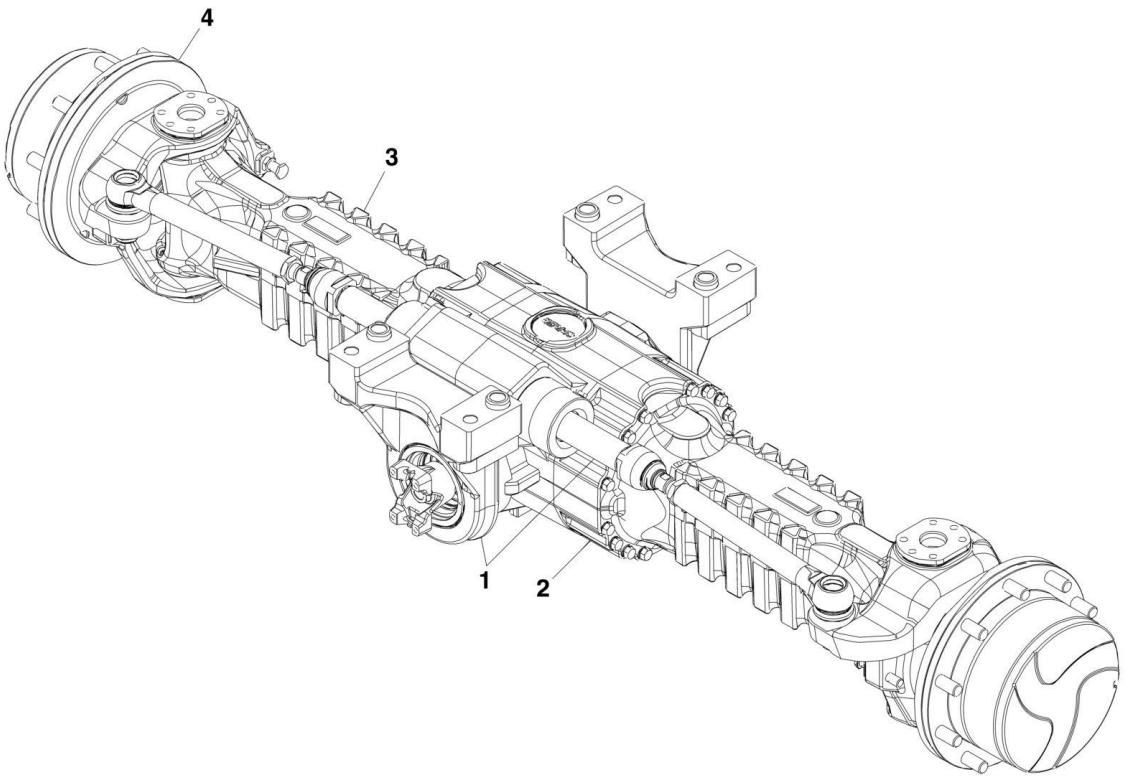
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FIGURE 5-11. BRAKES G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91514151	2	SPRING	
2	91514089	2	O-RING	
3	91514152	2	PISTON	
4	91514153	4	BACKUP RING	
5	80204281	4	BLEEDING BOLT	
6	80204117	4	PLUG	
7	91514154	4	PLUG	
9	91514156	2	O-RING	
10	91514157	2	BACKUP RING	
11	91514158	2	PISTON	
12	91514159	6	SPRING	
13	91514160	6	ADJUSTINGBOLT	
14	91514161	6	INTERMEDIATE BRAKE DISC	
15	7029735	6	BRAKE DISC	
16	7029734	2	REDUCTION BUSHING	
17	7029789	6	ADJUSTING BOLT	
18	91514165	6	SPRING	
19	N.S.S.	2	INTERMEDIATE BRAKE DISC	
20	N.S.S.	2	COVER	
21	91514167	4	O-RING	
23	7029298	2	SPACER	
24	91514171	2	SHIM	
24	91514172	2	SHIM	
24	91514173	2	SHIM	
25	80204108	4	LOCKWASHER	
26	80204060	4	NUT	
27	91514170	4	BOLT	
28	N.S.S.	4	DOWEL	

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FIGURE 5-12. REAR AXLE



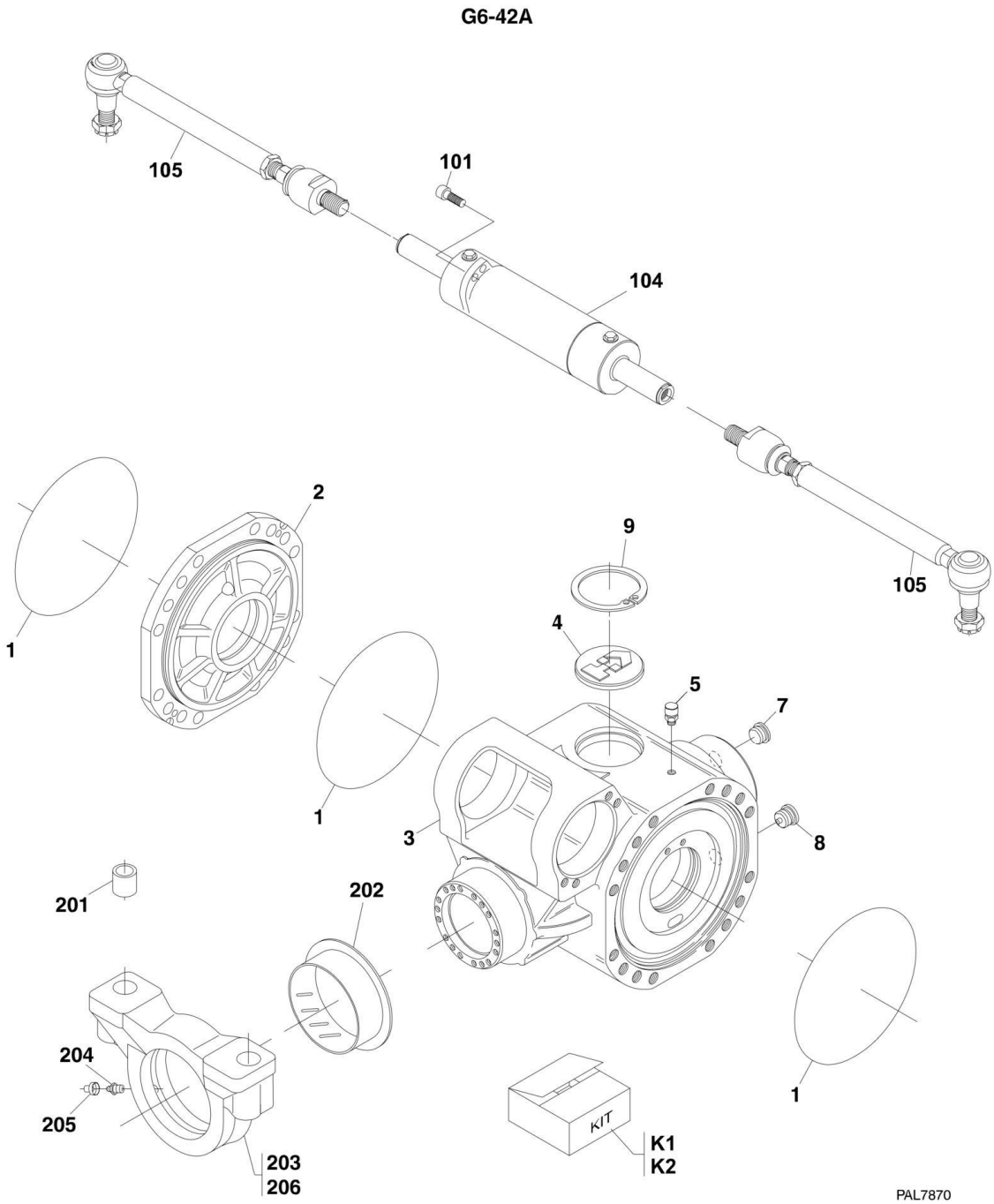
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FIGURE 5-12. REAR AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001136366	1	REAR AXLE, (G6-42A), (includes all items)	B
	1001136368	1	REAR AXLE, (G9-43A & G10-43A), (includes all items)	B
1		Ref	CENTRAL HOUSING AND STEERING, (See CENTRAL HOUSING AND STEERING for Breakdown)	
2		Ref	DIFFERENTIAL, (See DIFFERENTIAL for Breakdown)	
3		Ref	HUB REDUCTION, (See HUB REDUCTION for Breakdown)	
4		Ref	BRAKES, (See BRAKES for Breakdown)	

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FIGURE 5-13. CENTRAL HOUSING AND STEERING G6-42A



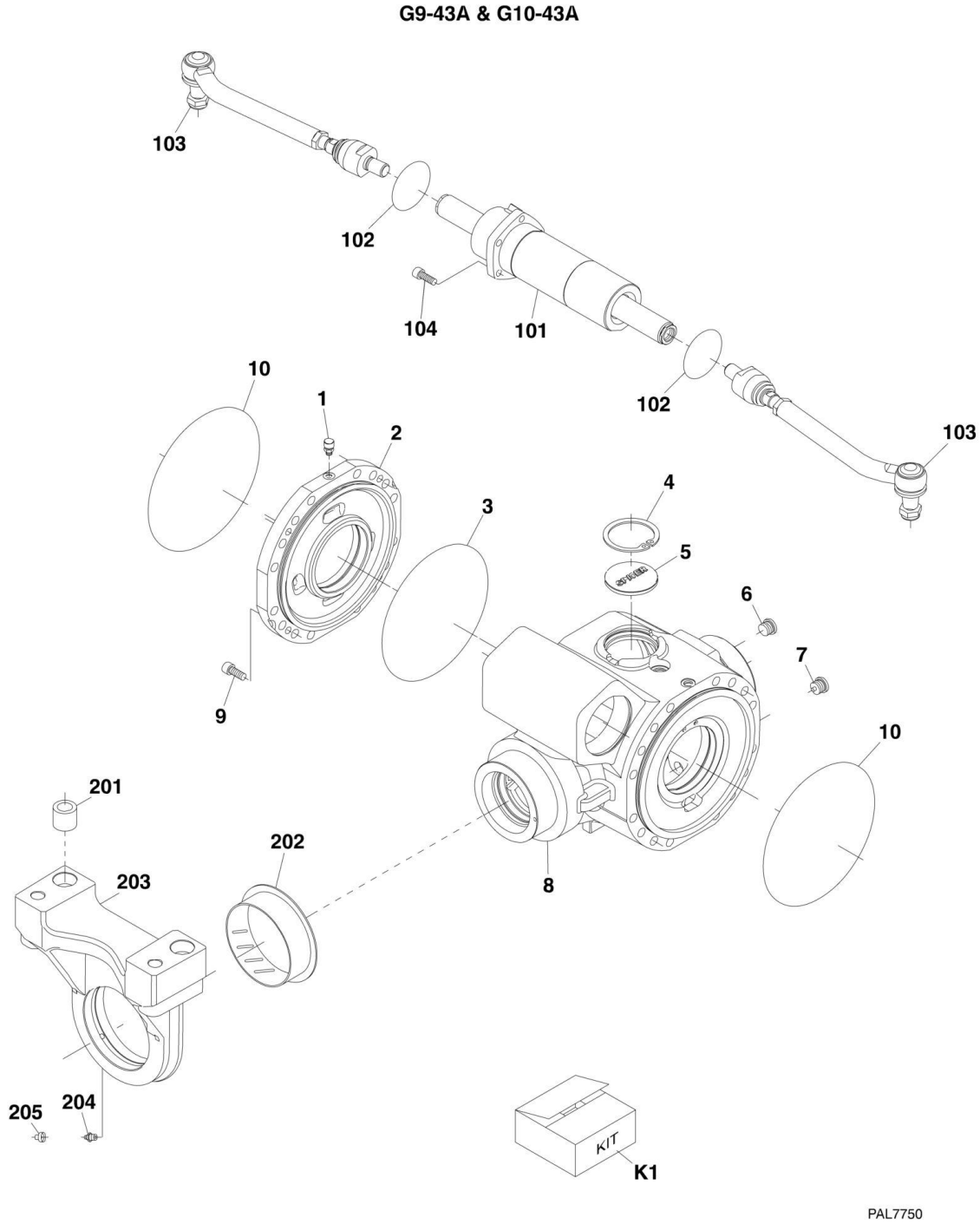
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FIGURE 5-13. CENTRAL HOUSING AND STEERING G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91474507	3	O-RING	
2	N.S.S.	1	INTERMEDIATE COVER	
3	7029279	1	HOUSING	
4	91514098	1	PLUG	
5	91474512	1	VENT	
7	91514188	1	PLUG	
8	91474513	1	MAGNET PLUG	
9	80204005	1	CIRCLIP	
101	91474522	4	BOLT	
104	7029528	1	STEERING CYLINDER	
105	91474521	2	TIE ROD	
201	91474516	2	REDUCTION BUSHING	
202	91474515	1	THRUST BUSHING	
203	7029282	1	FRONT SUPPORT	
204	91514099	1	GREASE FITTING	
205	80204117	1	PLUG	
206	7029283	1	REAR SUPPORT	
K1	7029282	1	FRONT SUPPORT ASSY, (includes items 201 thru 205)	
K2	7029283	1	REAR SUPPORT ASSY, (includes items 201, 202 & 204 thru 206)	

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FIGURE 5-14. CENTRAL HOUSING AND STEERING G9-43A & G10-43A



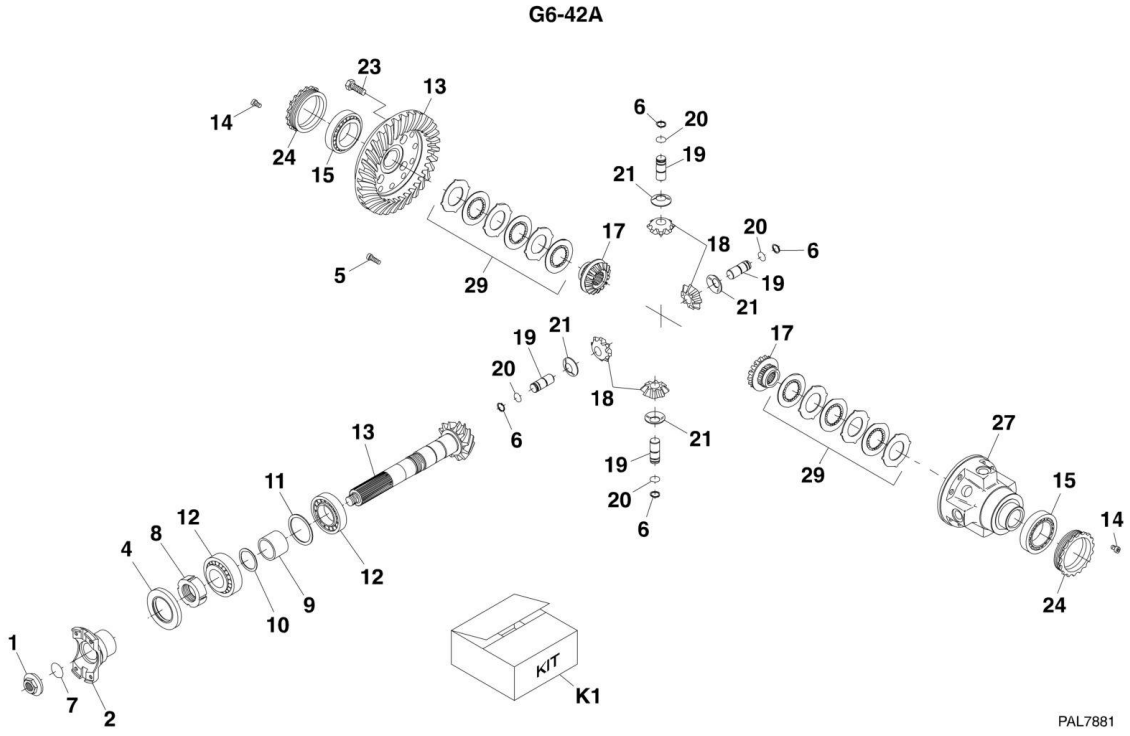
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FIGURE 5-14. CENTRAL HOUSING AND STEERING G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91474512	1	VENT	
2	7029288	1	INTERMEDIATE COVER	
3	80204002	1	O-RING	
4	80204005	1	CIRCLIP	
5	91514098	1	PLUG	
6	91514087	1	PLUG	
7	70021177	1	MAGNET PLUG	
8	7029289	1	HOUSING	
9	91514101	4	BOLT	
10	91514089	2	O-RING	
101	7026490	1	STEERING CYLINDER	
102	80204143	2	O-RING	
103	70021614	2	TIE-ROD	
104	80204144	5	BOLT	
201	7029290	4	BUSHING	
202	91514090	2	THRUST BUSHING	
203	7029291	2	SUPPORT	
204	91514099	2	GREASE FITTING	
205	80204117	2	PLUG	
K1	7029292	2	SUPPORT ASSY, (includes items 201 thru 205)	

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FIGURE 5-15. DIFFERENTIAL G6-42A



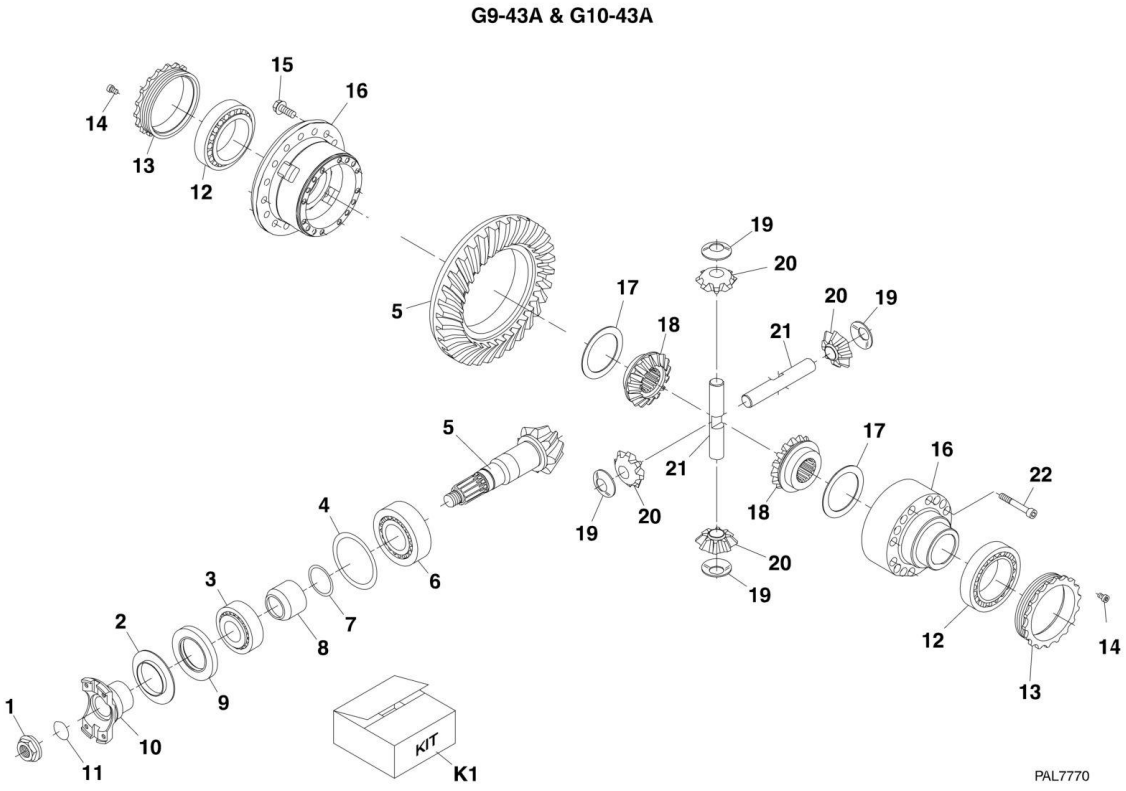
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FIGURE 5-15. DIFFERENTIAL G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91474528	1	NUT	
2	70022797	1	FLANGE	
4	91474591	1	SEAL	
5	91474591	4	BOLT	
6	91474550	4	CIRCLIP	
7	91474529	1	O-RING	
8	91474533	1	RING NUT	
9	91474539	1	SPACER	
10	91474535	AR	SHIM	
10	91474536	AR	SHIM	
10	91474537	AR	SHIM	
10	91474538	AR	SHIM	
10	N.S.S.	AR	SHIM	
10	N.S.S.	AR	SHIM	
11	91474540	AR	SHIM	
11	91474541	AR	SHIM	
11	91474542	AR	SHIM	
11	91474543	AR	SHIM	
12	3968141	2	TAPER ROLLER BEARING	
13	91474544	1	BEVEL GEAR SET	
14	91514134	2	BOLT	
15	91474548	2	TAPER ROLLER BEARING	
17	91474549	2	DIFFERENTIAL SIDE GEAR	
18	7029129	4	DIFFERENTIAL PINION	
19	7029131	4	PIN	
20	91474551	4	CIRCLIP	
21	91474553	4	FRICTION WASHER	
23	91514123	12	BOLT	
24	91474547	2	RING NUT	
27	8007751	1	DIFFERENTIAL CARRIER	
29	8007755	2	DISC KIT	
K1	7028710	1	DIFFERENTIAL KIT, (includes items 6, 17 thru 21 & 27)	

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FIGURE 5-16. DIFFERENTIAL G9-43A & G10-43A



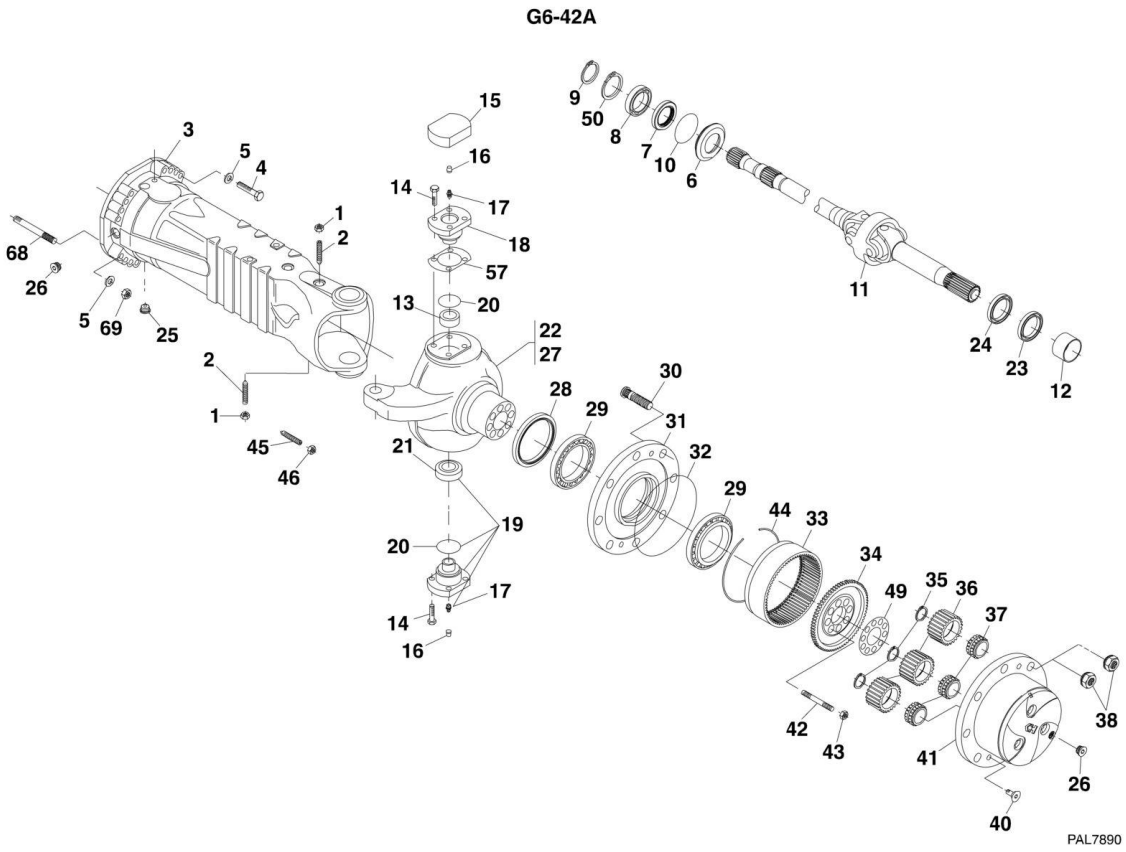
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FIGURE 5-16. DIFFERENTIAL G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	80204043	1	NUT	
2	91514130	1	COVERPLATE	
3	80204048	1	TAPER ROLLER BEARING	
4	80204049	AR	SHIM	
4	80204050	AR	SHIM	
4	80204051	AR	SHIM	
4	80204052	AR	SHIM	
5	91514191	1	BEVEL GEAR SET	
6	80204035	1	TAPER ROLLER BEARING	
7	70023494	1	RING KIT	
8	70022140	1	SPACER	
9	N.S.S.	1	SEAL	
10	91514131	1	FLANGE	
11	80204044	1	O-RING	
12	80204033	2	TAPER ROLLER BEARING	
13	91514133	2	RING NUT	
14	91514134	2	BOLT	
15	91514123	16	BOLT	
16	70024004	1	DIFFERENTIAL CARRIER	
17	70023493	2	FRICTION WASHER	
18	70023492	2	DIFFERENTIAL SIDE GEAR	
19	70023491	4	FRICTION WASHER	
20	80204025	4	DIFFERENTIAL PINION	
21	70023490	2	DIFFERENTIAL SHAFT	
22	70023489	15	BOLT	
K1		Ref	DIFFERENTIAL KIT, (includes items 16 thru 22)	

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FIGURE 5-17. HUB REDUCTION G6-42A



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FIGURE 5-17. HUB REDUCTION G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91514082	2	NUT	
2	91514081	2	BOLT	
3	N.S.S.	2	AXLE CASE	
5	91514084	32	WASHER	
6	91514149	2	REDUCTION BUSHING	
7	91514147	2	SEAL	
8	91514146	2	BALL BEARING	
9	80204071	2	CIRCLIP	
10	91514148	2	O-RING	
11	N.S.S.	2	DOUBLE UNIVERSAL JOINT	
12	91514111	1	THRUST BUSHING	
13	7028714	2	BUSHING	
14	91514123	24	BOLT	
15	91474524	2	COVER	
16	80204117	2	PLUG	
17	91514099	2	GREASE FITTING	
18	91514112	2	PIVOT PIN	
19	7028715	2	PIVOT PIN	
20	7028716	2	DUST EXCLUDER	
21	91514095	2	BEARING	
22	91474527	1	LH STEERING CASE	
23	7028718	2	SEAL	
25	91474513	2	MAGNET PLUG	
26	91514188	4	PLUG	
27	91474526	1	RH STEERING CASE	
28	7028721	2	SEAL	
29	91474576	4	BEARING	
30	80214120	20	WHEEL STUD	
31	7028722	2	WHEEL HUB	
32	91514181	2	O-RING	
33	70024147	2	RING GEAR	
34	7028723	2	RING GEAR SUPPORT	
35	7028724	6	CIRCLIP	
36	7028725	6	DIFFERENTIAL PINION	
38	91474584	20	NUT	
40	91514189	4	COUNTERSUNK BOLT	
41	7028726	2	PLANET GEAR CARRIER	
42	91474583	20	STUD	
44	91514175	2	CIRCLIP	
45	91514117	4	BOLT	
46	80204065	4	NUT	
49	91474582	2	LOCKING PLATE	
50	80204005	2	CIRCLIP	
57	91514113	AR	SHIM	
57	91514114	AR	SHIM	
57	91514115	AR	SHIM	
62	91474507	2	O-RING	
63	7028728	8	STUD	
64	91514083	8	NUT	
68	7028712	24	STUD	

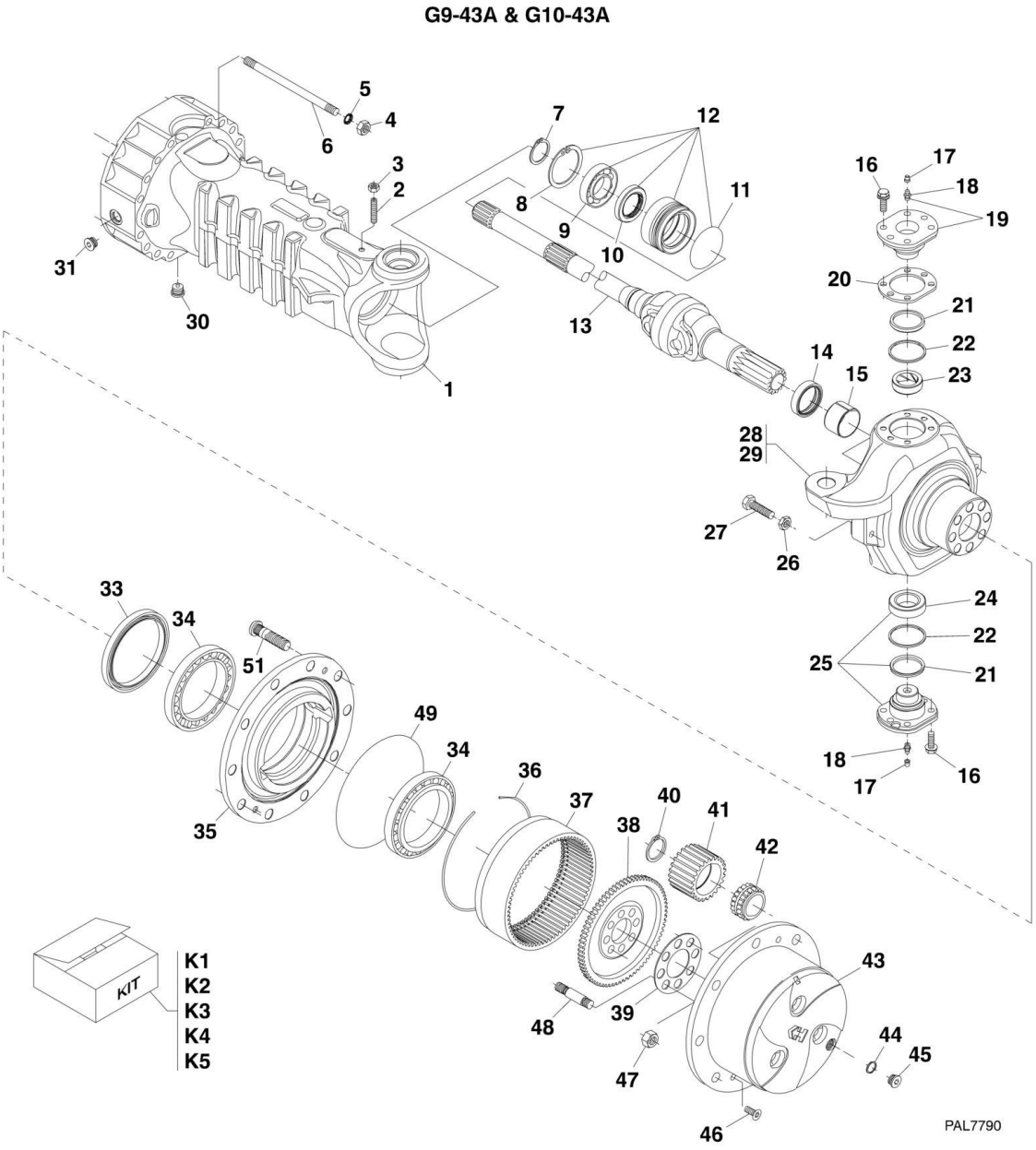
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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
69	91514083	24	NUT	
70	7028731	6	BEARING	
71	7028732	6	BEARING	
K1		Ref	PLANET GEAR CARRIER KIT, (includes items 35 thru 37, 41, 70 & 71)	
K2	7029284	1	STEERING ADJUSTMENT KIT, (includes items 45 & 46)	
K3	7029285	1	RH STEERING CASE KIT, (includes items 12 & 27)	
K4	7028733	1	STEERING ADJUSTMENT KIT, (includes items 45 & 46)	
K5		Ref	RING GEAR SUPPORT KIT, (includes items 33, 34 & 44)	

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FIGURE 5-18. HUB REDUCTION G9-43A & G10-43A



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FIGURE 5-18. HUB REDUCTION G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	70022813	2	AXLE CASE	
2	91514081	2	BOLT	
3	91514082	2	NUT	
6	70022814	32	HEXAGON BOLT	
7	80204071	2	CIRCLIP	
8	80204005	2	CIRCLIP	
9	91514146	2	BALL BEARING	
10	91514147	2	SEAL	
11	91514148	2	O-RING	
12	91514149	2	REDUCTION BUSHING	
13	N.S.S.	2	DOUBLE UNIVERSAL JOINT	
14	7028718	2	SEAL	
15	91514111	1	THRUST BUSHING	
16	91514123	24	BOLT	
18	91514099	2	GREASE FITTING	
19	91514112	2	PIVOT PIN	
20	91514113	AR	SHIM	
20	91514114	AR	SHIM	
20	91514115	AR	SHIM	
21	7028716	2	DUST EXCLUDER	
23	7028714	2	BUSHING	
24	91514095	2	BEARING	
25	7028715	2	PIVOT PIN	
26	80204065	4	NUT	
27	91514117	4	BOLT	
28	7029294	1	LH STEERING CASE	
29	7029295	1	RH STEERING CASE	
30	70021177	2	MAGNET PLUG	
31	91514087	2	PLUG	
33	7029300	2	SEAL	
34	80204076	4	TAPER ROLLER BEARING	
35	91514174	2	WHEEL HUB	
36	91514175	2	CIRCLIP	
37	70024147	2	RING GEAR	
38	91514177	2	RING GEAR SUPPORT	
39	91514178	2	LOCKING PLATE	
40	91514184	6	SNAP RING	
41	91514185	6	PLANET GEAR	
42	91514186	6	BEARING	
43	7026731	2	PLANET GEAR CARRIER	
45	91514188	2	PLUG	
46	91514189	4	COUNTERSUNK BOLT	
47	91514179	16	NUT	
48	91514180	16	STUD	
49	91514181	2	O-RING	
51	80214120	20	WHEEL STUD	
K1	7029733	2	PLANET GEAR CARRIER KIT, (includes items 36 thru 38 & 40 thru 43)	
K2	7029750	1	LH STEERING CASE KIT, (includes items 15 & 28)	
K3	7029751	1	RH STEERING CASE KIT, (includes items 15 & 29)	

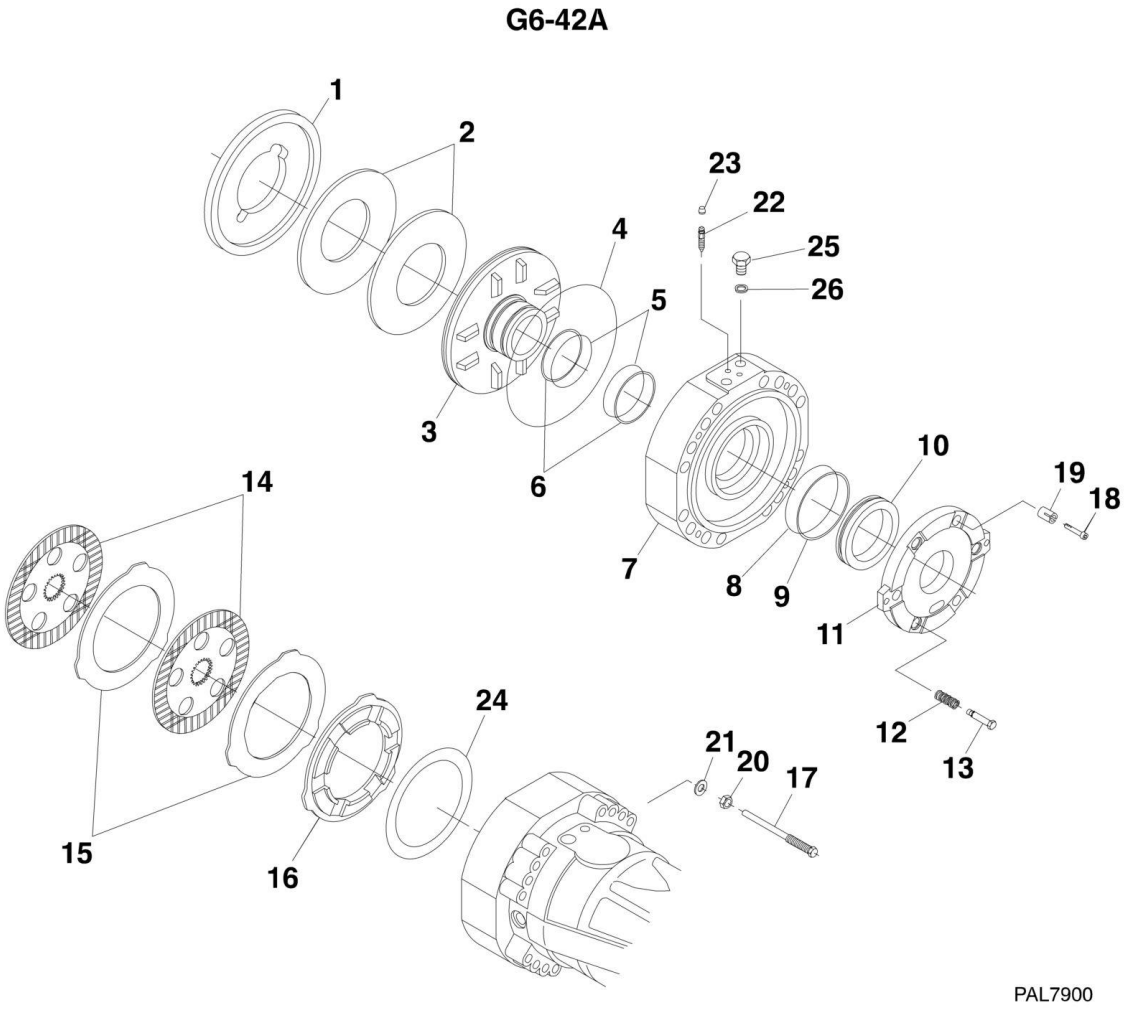
https://truckmanualshub.com/

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
K4	7028733	4	STEERING ADJUST BOLT KIT, (includes items 26 & 27)	
K5	70024146	2	RING GEAR SUPPORT KIT, (includes items 36 thru 38)	

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FIGURE 5-19. BRAKES G6-42A



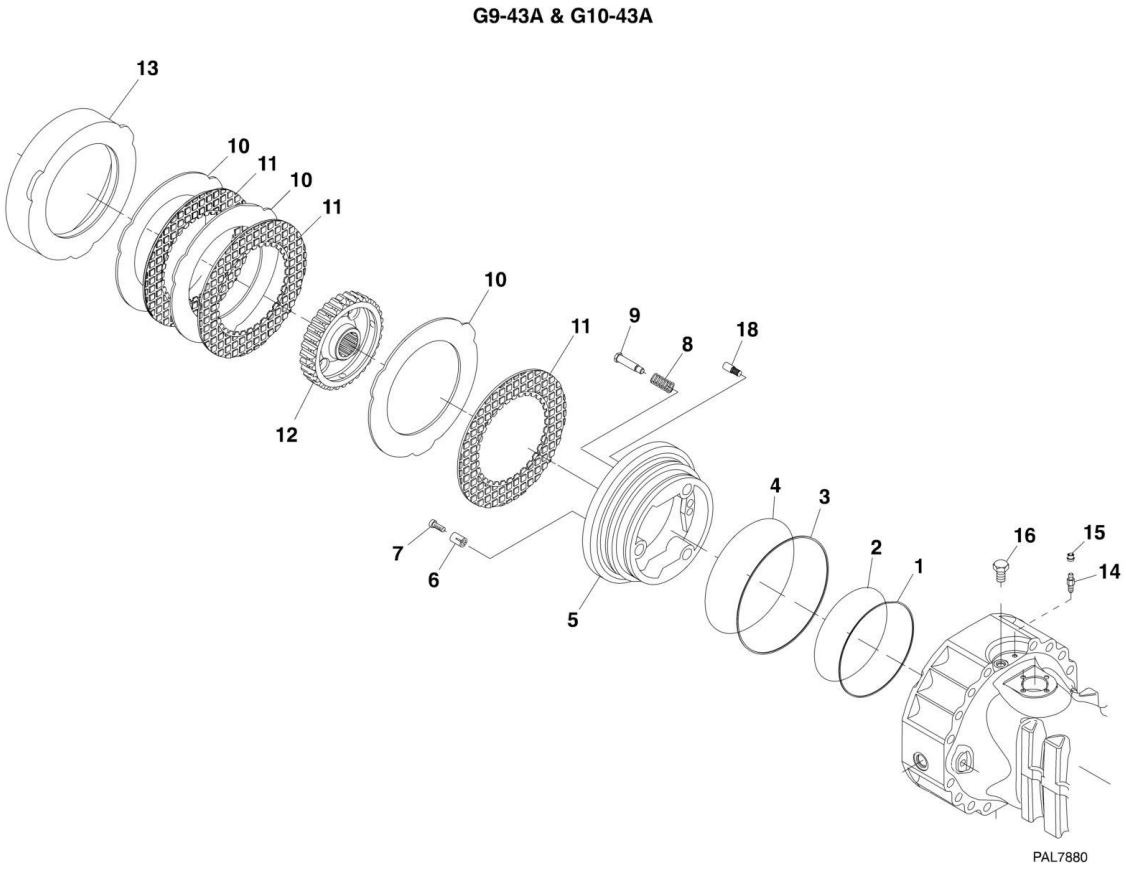
https://truckmanualshub.com/

FIGURE 5-19. BRAKES G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7028734	1	SPACER	
2	91474559	4	SPRING	
3	91474560	2	PISTON	
4	91474561	2	O-RING	
5	91514167	4	O-RING	
6	91514153	4	BACK-UP RING	
7	7028735	2	COVER	
8	91474562	2	O-RING	
9	91474563	2	BACK-UP RING	
10	91474564	2	PISTON	
11	91474565	2	INTERMEDIATE BRAKE DISC	
12	91514159	6	SPRING	
13	91514160	6	ADJUSTING BOLT	
14	91474568	8	DISC	
15	91474569	8	INTERMEDIATE BRAKE DISC	
16	91474570	2	SPACER	
17	N.S.S.	4	BOLT	
18	7029789	6	ADJUSTING BOLT	
19	91514165	6	SPRING	
20	80204060	4	NUT	
21	80204108	4	LOCKWASHER	
22	80204281	4	BLEEDING BOLT	
23	80204117	4	PLUG	
24	91474571	2	SHIM	
24	91474572	2	SHIM	
24	91474573	2	SHIM	
25	91514154	4	PLUG	

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FIGURE 5-20. BRAKES G9-43A & G10-43A



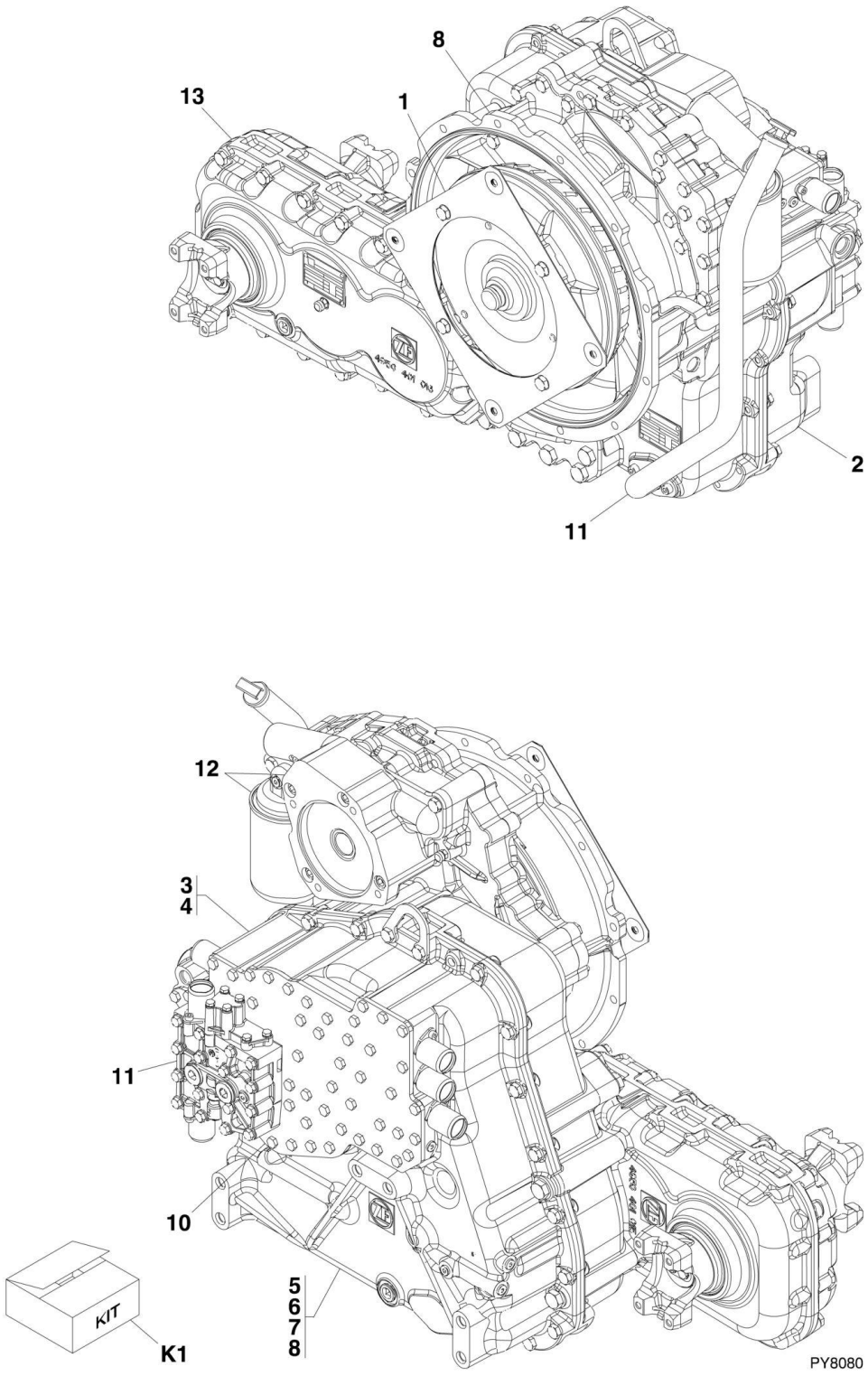
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FIGURE 5-20. BRAKES G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	70021609	2	BACKUP RING	A
2	70021610	2	O-RING	
3	70021612	2	BACKUP RING	
4	70021611	2	O-RING	
5	70024216	2	PISTON	
6	91514165	6	SPRING	
7	70021607	6	ADJUSTING BOLT	
8	91514159	6	SPRING	
9	91514160	6	ADJUSTING BOLT	
10	91514161	6	INTERMEDIATE BRAKE DISC	
11	7029735	6	BRAKE DISC	
12	7029734	2	REDUCTION BUSHING	
13	70021606	2	SPACER	
14	80204281	2	BLEEDING BOLT	
15	80204117	2	PLUG	
16	91514154	2	PLUG	
18	70021613	2	PILOT BOLT	

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FIGURE 5-21. ZF TRANSMISSION



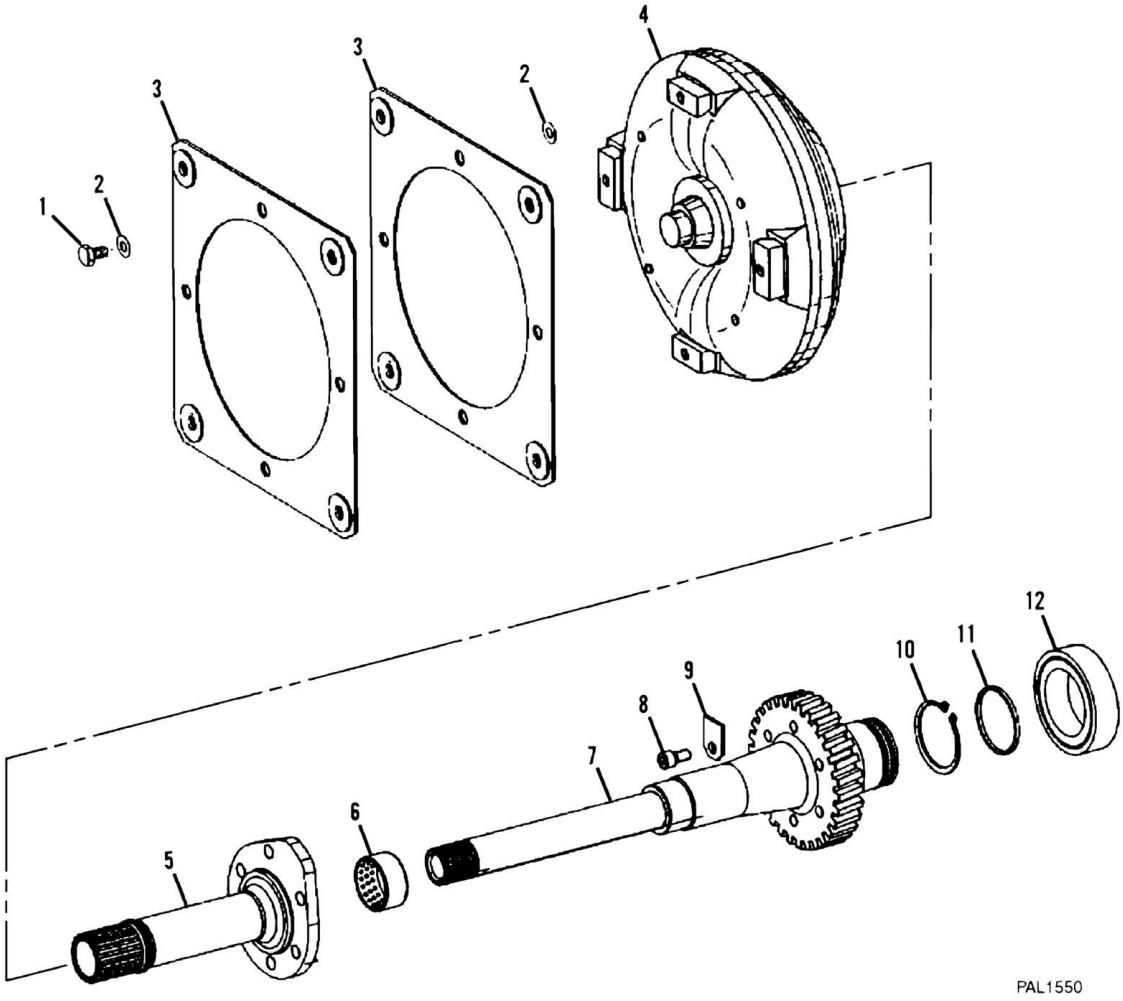
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FIGURE 5-21. ZF TRANSMISSION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4540020	1	ZF TRANSMISSION, (includes all items)	C
1		Ref	TORQUE CONVERTER AND INPUT, (See ZF TRANSMISSION - CONVERTER AND INPUT for Breakdown)	
2		Ref	GEARBOX HOUSING, (See ZF TRANSMISSION - GEARBOX HOUSING for Breakdown)	
3		Ref	FORWARD GEAR GROUP, (See ZF TRANSMISSION - FORWARD GEAR GROUP for Breakdown)	
4		Ref	REVERSE GEAR GROUP, (See ZF TRANSMISSION - REVERSE GEAR GROUP for Breakdown)	
5		Ref	1ST SHAFT GROUP, (See ZF TRANSMISSION - 1ST SHAFT GROUP for Breakdown)	
6		Ref	2ND SHAFT GROUP, (See ZF TRANSMISSION - 2ND SHAFT GROUP for Breakdown)	
7		Ref	3RD SHAFT GROUP, (See ZF TRANSMISSION - 3RD SHAFT GROUP for Breakdown)	
8		Ref	4TH SHAFT GROUP, (See ZF TRANSMISSION - 4TH SHAFT GROUP for Breakdown)	
9		Ref	POWER TAKE-OFF, (See ZF TRANSMISSION - POWER TAKE-OFF for Breakdown)	
10		Ref	CONTROL UNIT AND PRESSURE REGULATOR, (See ZF TRANSMISSION - CONTROL UNIT AND PRESSURE REGULATOR for Breakdown)	
11		Ref	GEARSHIFT SYSTEM, (See ZF TRANSMISSION - GEARSHIFT SYSTEM for Breakdown)	
12		Ref	OIL PUMP, FILTER AND DIPSTICK, (See ZF TRANSMISSION - OIL PUMP, FILTER AND DIPSTICK for Breakdown)	
13		Ref	TRANSFER BOX, (See ZF TRANSMISSION - TRANSFER BOX for Breakdown)	
K1	7026797	1	SEAL KIT, (includes all seals required for rebuild)	

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FIGURE 5-22. ZF TRANSMISSION - CONVERTER AND INPUT



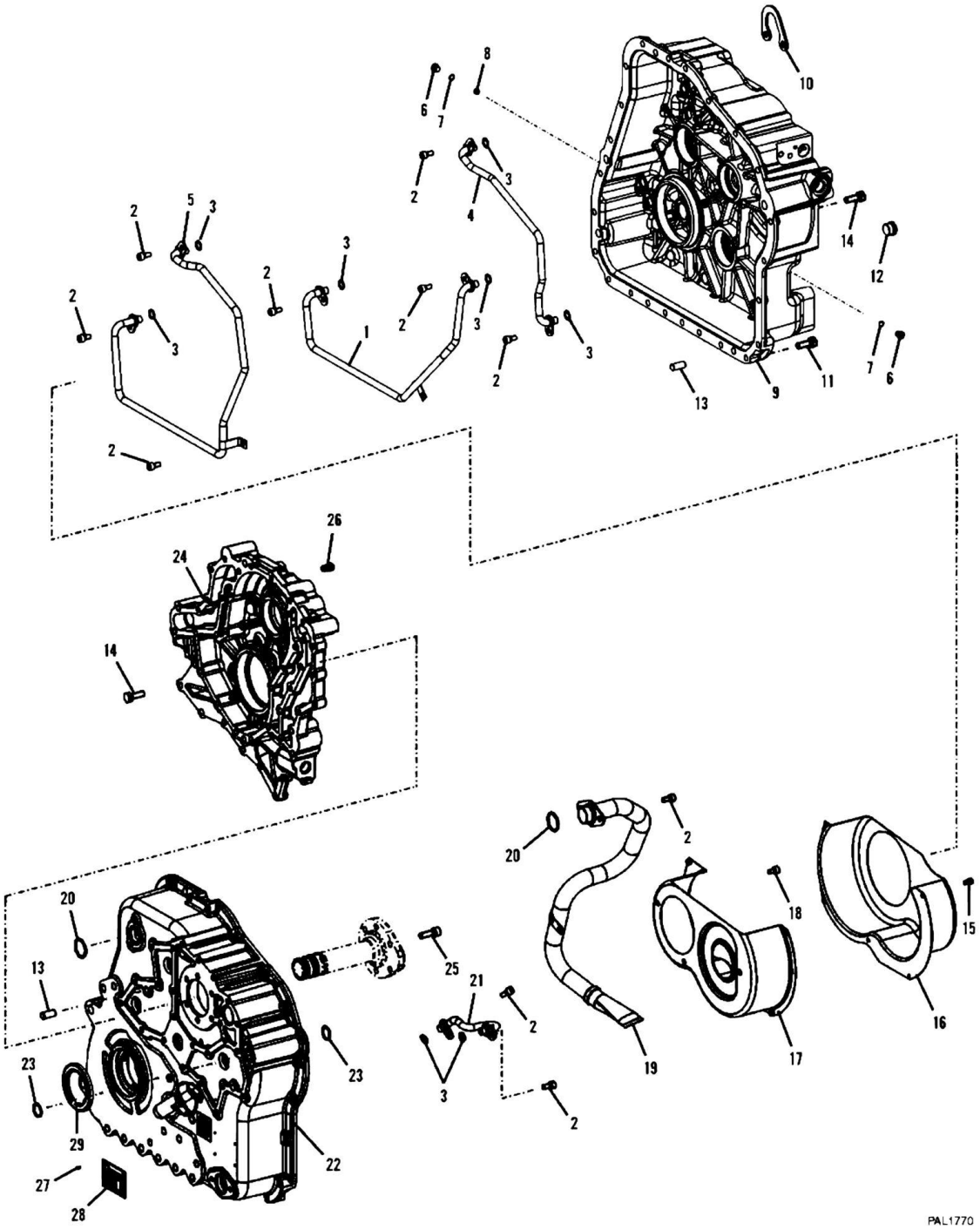
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FIGURE 5-22. ZF TRANSMISSION - CONVERTER AND INPUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7026744	4	HEX HD CAPSCREW, M10X16, GR8.8	
2	7026745	8	WASHER	
3	1319229	2	DIAPHRAGM	
4	7026746	1	CONVERTER	
5	7026748	1	STATOR SHAFT	
6	1319558	1	BEARING BUSHING	
7	7026747	1	TURBINE SHAFT	
8	N.S.S.	2	CAPSCREW, M8X16, GR8.8	
9	N.S.S.	2	SHACKLE	
10	80304405	1	RETAINING RING	
11	7026749	1	PISTON RING	
12	1319563	1	BALL BEARING	

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FIGURE 5-23. ZF TRANSMISSION - GEARBOX HOUSING



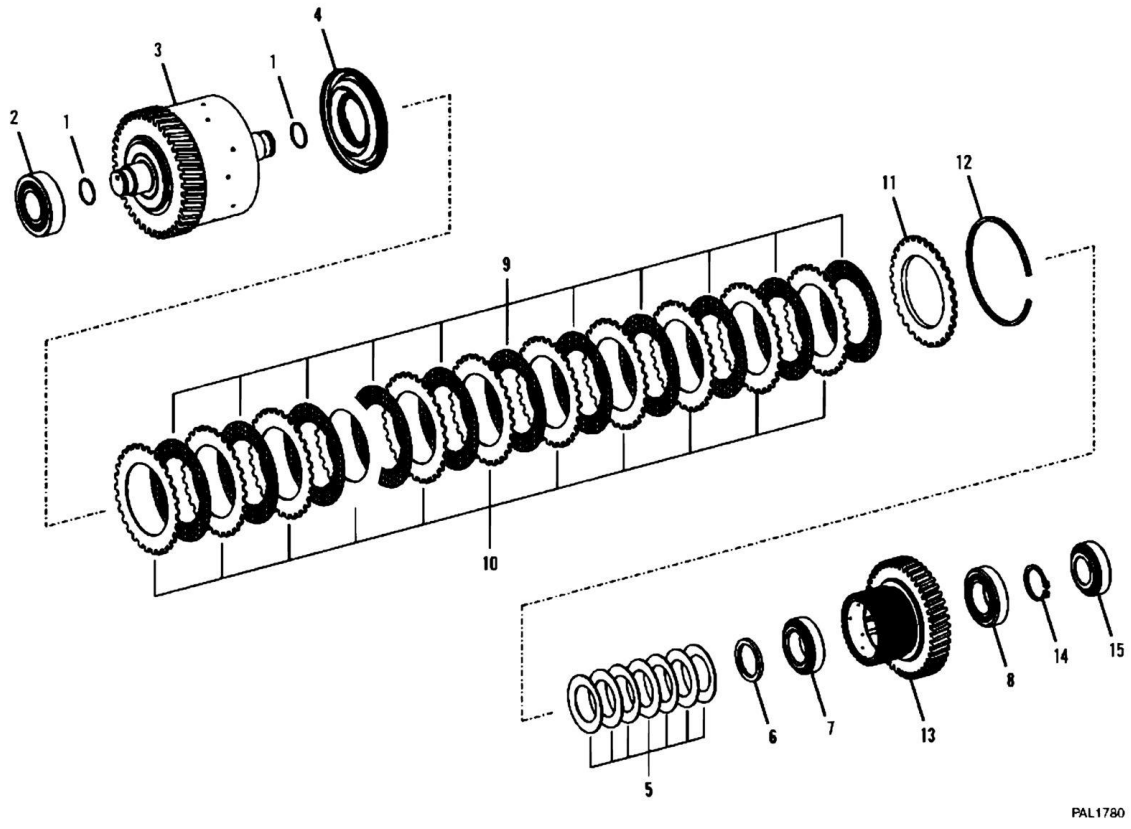
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FIGURE 5-23. ZF TRANSMISSION - GEARBOX HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7026751	1	PIPE	
2	1319585	11	HEX HD CAPSCREW, M8X16, GR8.8	
3	8036847	8	O-RING	
4	7026750	1	PIPE	
5	7026752	1	PIPE	
6	1319670	7	PLUG	
7	80304327	7	O-RING	
8	N.S.S.	1	ORIFICE	
9	N.S.S.	1	HOUSING	
10	1319590	1	BRACKET	
11	N.S.S.	6	HEX HD CAPSCREW, M10X50, GR8.8	
12	N.S.S.	1	PLUG	
13	1319571	4	PIN	
14	80304394	31	HEX HD CAPSCREW, M10X30, GR8.8	
15	1319646	5	HEX HD CAPSCREW	
16	7026756	1	SCREEN SHEET	
17	7026755	1	SCREEN SHEET	
18	N.S.S.	3	CAPSCREW, M8X12, GR8.8	
19	7026753	1	SUCTION TUBE	
20	1319581	2	O-RING	
21	7026754	1	PIPE	
22	N.S.S.	1	HOUSING	
23	N.S.S.	2	O-RING	
24	N.S.S.	1	HOUSING	
25	N.S.S.	6	CAPSCREW, M10X30, GR8.8	
26	10731744	1	BREATHER	
27	N.S.S.	4	GROOVED STUD, 3X5	
28	N.S.S.	1	TYPE PLATE	
29	1319641	1	SHAFT SEAL	

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FIGURE 5-24. ZF TRANSMISSION - FORWARD GEAR GROUP



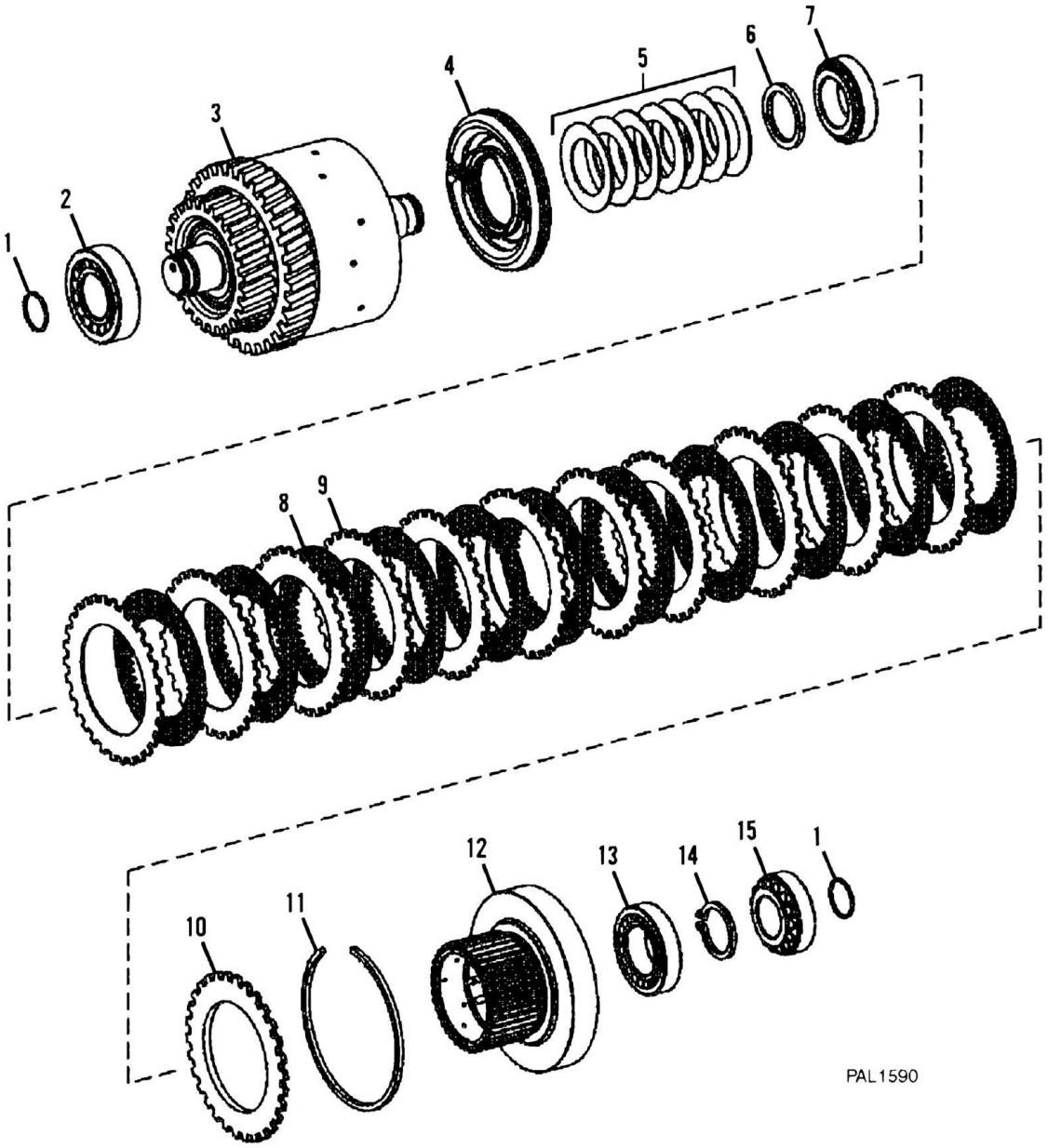
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FIGURE 5-24. ZF TRANSMISSION - FORWARD GEAR GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7026761	2	PISTON RING	
2	1319615	1	ROLLER BEARING	
3	7026757	1	COUPLING	
4	8036575	1	PISTON	
5	1319595	7	CUP SPRING	
6	1319617	1	SUPPORT SHIM	
7	1319618	1	ROLLER BEARING	
8	1319620	1	ROLLER BEARING	
9	7026758	11	FRICTION DISC	
10	7026759	11	STATIC DISC	
11	7026760	1	END SHIM	
12	1319600	AR	SNAP RING, 4.0	
12	7029850	AR	SNAP RING, 3.75	
12	1319601	AR	SNAP RING, 3.5	
12	7029849	AR	SNAP RING, 3.25	
12	1319602	AR	SNAP RING, 3.0	
12	7029852	AR	SNAP RING, 2.75	
12	1319603	AR	SNAP RING, 2.5	
12	7029851	AR	SNAP RING, 2.25	
12	1319604	AR	SNAP RING, 2.0	
13	1319638	1	DISC CARRIER	
14	1319621	AR	RETAINING RING, 3.20	
14	1319622	AR	RETAINING RING, 3.10	
14	1319623	AR	RETAINING RING, 3.00	
14	1319624	AR	RETAINING RING, 2.90	
14	1319625	AR	RETAINING RING, 2.80	
14	1319626	AR	RETAINING RING, 2.70	
14	1319627	AR	RETAINING RING, 2.60	
14	1319628	AR	RETAINING RING, 2.50	
14	1319629	AR	RETAINING RING, 2.40	
14	1319630	AR	RETAINING RING, 2.30	
14	1319631	AR	RETAINING RING, 2.20	
14	1319632	AR	RETAINING RING, 2.10	
15	1319636	1	ROLLER BEARING	

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FIGURE 5-25. ZF TRANSMISSION - REVERSE GEAR GROUP



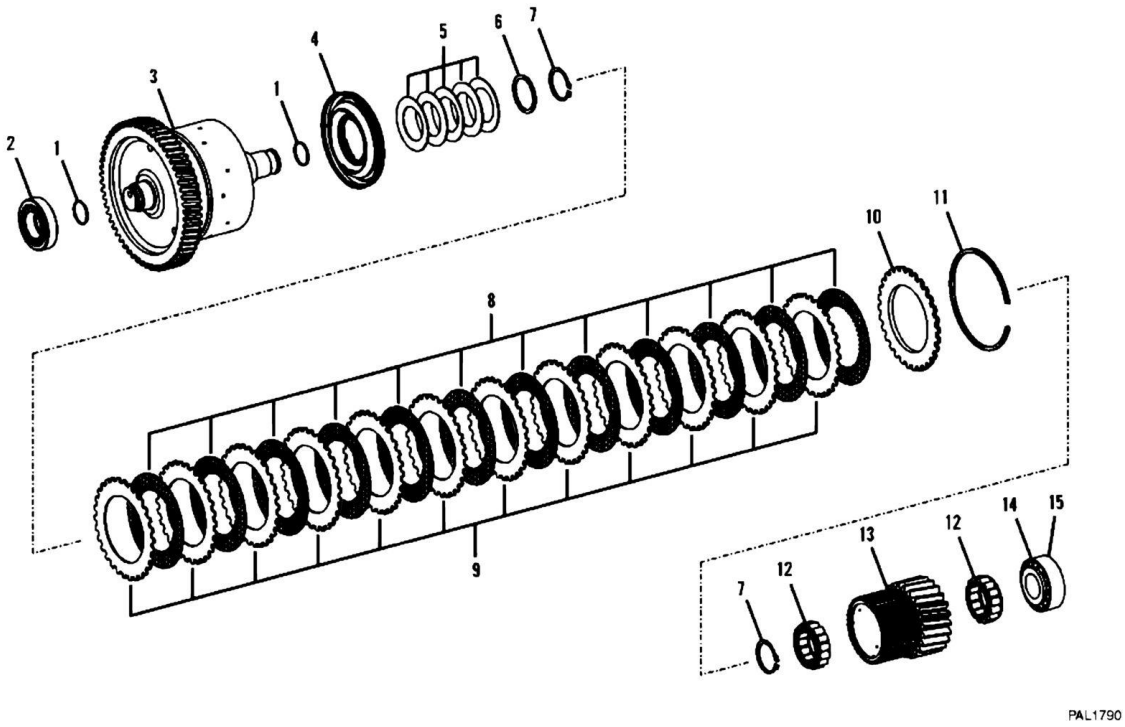
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FIGURE 5-25. ZF TRANSMISSION - REVERSE GEAR GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7026761	2	PISTON RING	
2	1319615	1	ROLLER BEARING	
3	7026762	1	COUPLING	
4	8036575	1	PISTON	
5	1319595	7	CUP SPRING	
6	1319617	1	SUPPORT SHIM	
7	1319618	1	ROLLER BEARING	
8	7026758	11	FRICTION DISC	
9	7026759	11	STATIC DISC	
10	7026760	1	END SHIM	
11	1319600	AR	SNAP RING, 4.0	
11	7029850	AR	SNAP RING, 3.75	
11	1319601	AR	SNAP RING, 3.5	
11	7029849	AR	SNAP RING, 3.25	
11	1319602	AR	SNAP RING, 3.0	
11	7029852	AR	SNAP RING, 2.75	
11	1319603	AR	SNAP RING, 2.5	
11	7029851	AR	SNAP RING, 2.25	
11	1319604	AR	SNAP RING, 2.0	
12	1319638	1	DISC CARRIER	
13	1319620	1	ROLLER BEARING	
14	1319621	AR	RETAINING RING, 3.20	
14	1319622	AR	RETAINING RING, 3.10	
14	1319623	AR	RETAINING RING, 3.00	
14	1319624	AR	RETAINING RING, 2.90	
14	1319625	AR	RETAINING RING, 2.80	
14	1319626	AR	RETAINING RING, 2.70	
14	1319627	AR	RETAINING RING, 2.60	
14	1319628	AR	RETAINING RING, 2.50	
14	1319629	AR	RETAINING RING, 2.40	
14	1319630	AR	RETAINING RING, 2.30	
14	1319631	AR	RETAINING RING, 2.20	
14	1319632	AR	RETAINING RING, 2.10	
15	1319636	1	ROLLER BEARING	

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FIGURE 5-26. ZF TRANSMISSION - 1ST SHAFT GROUP



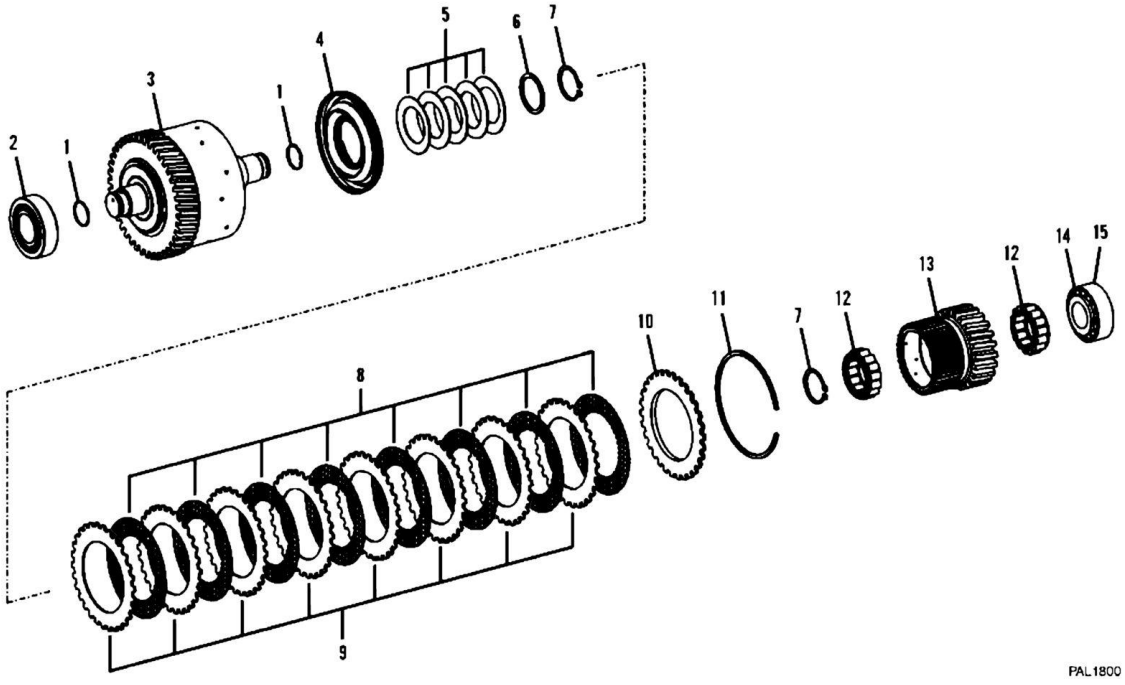
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FIGURE 5-26. ZF TRANSMISSION - 1ST SHAFT GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7026761	2	PISTON RING	
2	1319608	1	ROLLER BEARING	
3	1319591	1	COUPLING	
4	8036575	1	PISTON	
5	1319595	5	CUP SPRING	
6	1319596	1	SHIM	
7	10731845	2	RETAINING RING	
8	7026758	12	FRICTION DISC	
9	7026759	12	STATIC DISC	
10	7026760	1	END SHIM	
11	1319600	AR	SNAP RING, 4.0	
11	7029850	AR	SNAP RING, 3.75	
11	1319601	AR	SNAP RING, 3.5	
11	7029849	AR	SNAP RING, 3.25	
11	1319602	AR	SNAP RING, 3.0	
11	7029852	AR	SNAP RING, 2.75	
11	1319603	AR	SNAP RING, 2.5	
11	7029851	AR	SNAP RING, 2.25	
11	1319604	AR	SNAP RING, 2.0	
12	1319606	2	ROLLER CAGE	
13	1319607	1	DISC CARRIER	
14	7029532	1	OUTER RING	
15	7029533	1	INNER RING	

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FIGURE 5-27. ZF TRANSMISSION - 2ND SHAFT GROUP



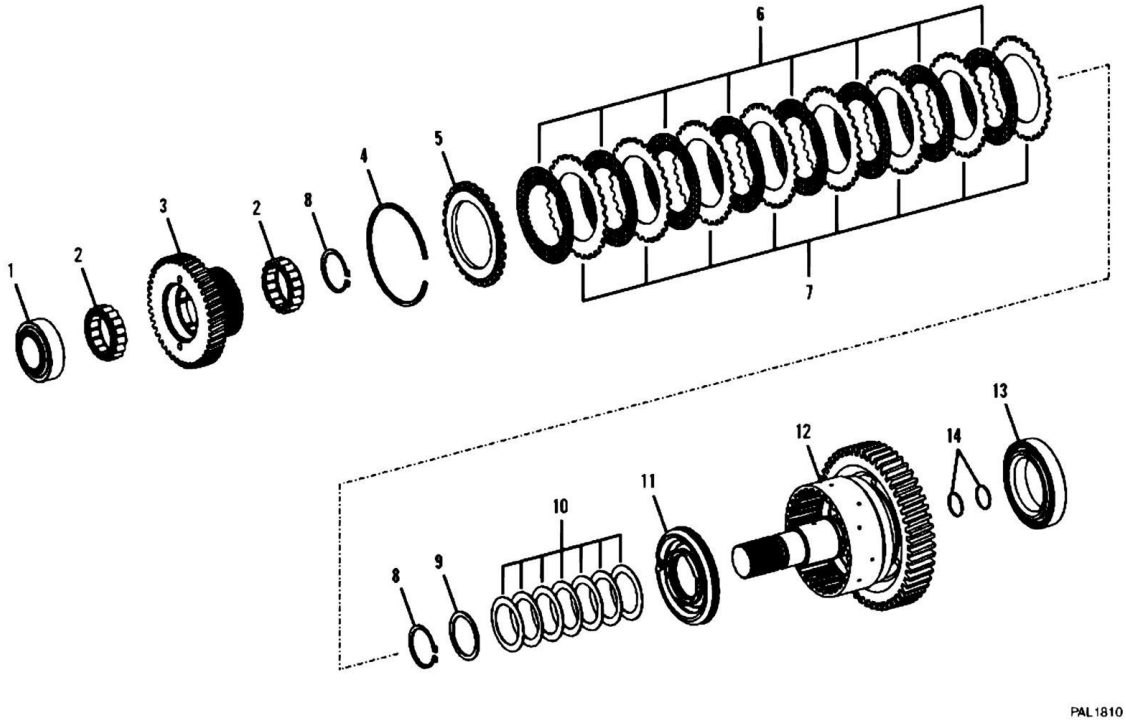
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FIGURE 5-27. ZF TRANSMISSION - 2ND SHAFT GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7026761	2	PISTON RING	
2	1319615	1	ROLLER BEARING	
3	7026763	1	COUPLING	
4	8036575	1	PISTON	
5	1319595	5	CUP SPRING	
6	1319596	1	SHIM	
7	10731845	2	RETAINING RING	
8	7026758	8	FRICTION DISC	
9	7026759	8	STATIC DISC	
10	7026760	1	END SHIM	
11	1319600	AR	SNAP RING, 4.0	
11	7029850	AR	SNAP RING, 3.75	
11	1319601	AR	SNAP RING, 3.5	
11	7029849	AR	SNAP RING, 3.25	
11	1319602	AR	SNAP RING, 3.0	
11	7029852	AR	SNAP RING, 2.75	
11	1319603	AR	SNAP RING, 2.5	
11	7029851	AR	SNAP RING, 2.25	
11	1319604	AR	SNAP RING, 2.0	
12	1319606	2	ROLLER CAGE	
13	1319614	1	DISC CARRIER	
14	8036190	1	ROLLER BEARING	
15	7029533	1	INNER RING	

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FIGURE 5-28. ZF TRANSMISSION - 3RD SHAFT GROUP



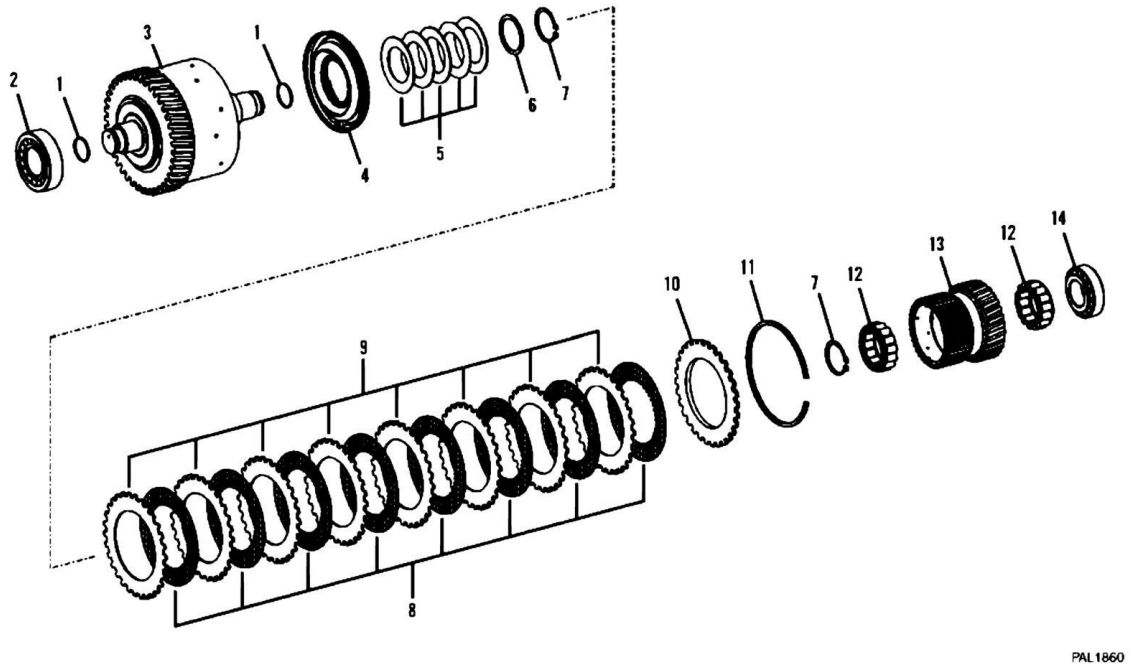
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FIGURE 5-28. ZF TRANSMISSION - 3RD SHAFT GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7026768	1	ROLLER BEARING	
2	7026767	1	ROLLER BEARING	
3	1319619	1	DISC CARRIER	
4	1319600	AR	SNAP RING, 4.0	
4	7029850	AR	SNAP RING, 3.75	
4	1319601	AR	SNAP RING, 3.5	
4	7029849	AR	SNAP RING, 3.25	
4	1319602	AR	SNAP RING, 3.0	
4	7029852	AR	SNAP RING, 2.75	
4	1319603	AR	SNAP RING, 2.5	
4	7029851	AR	SNAP RING, 2.25	
4	1319604	AR	SNAP RING, 2.0	
5	7026760	1	END SHIM	
6	7026758	8	FRICTION DISC	
7	7026759	8	STATIC DISC	
8	80304227	2	RETAINING RING	
9	7026766	1	WASHER	
10	7026765	7	CUP SPRING	
11	8036575	1	PISTON	
12	7026764	1	COUPLING	
13	7026769	1	ROLLER BEARING	
14	7026761	2	PISTON BEARING	

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FIGURE 5-29. ZF TRANSMISSION - 4TH SHAFT GROUP



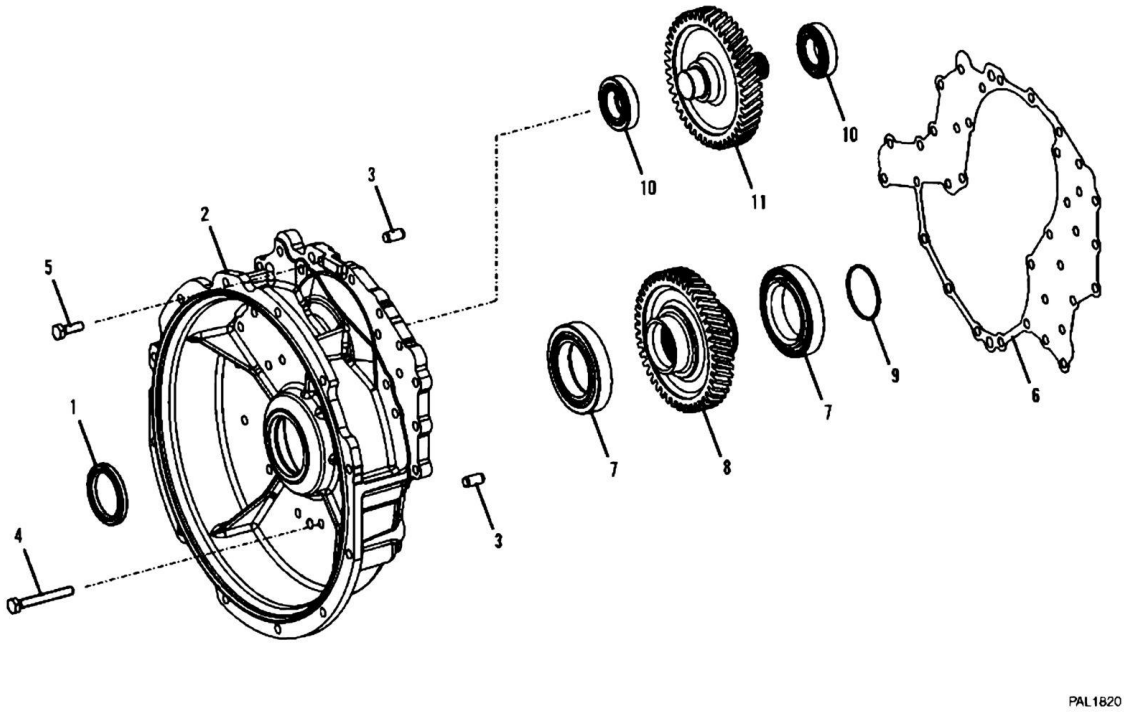
https://truckmanualshub.com/

FIGURE 5-29. ZF TRANSMISSION - 4TH SHAFT GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7026761	2	PISTON RING	
2	1319615	1	ROLLER BEARING	
3	7026770	1	COUPLING	
4	8036575	1	PISTON	
5	1319595	5	CUP SPRING	
6	1319596	1	SHIM	
7	10731845	2	RETAINING RING	
8	7026758	12	FRICTION DISC	
9	7026759	12	STATIC DISC	
10	7026760	1	END SHIM	
11	1319600	AR	SNAP RING, 4.0	
11	7029850	AR	SNAP RING, 3.75	
11	1319601	AR	SNAP RING, 3.5	
11	7029849	AR	SNAP RING, 3.25	
11	1319602	AR	SNAP RING, 3.0	
11	7029852	AR	SNAP RING, 2.75	
11	1319603	AR	SNAP RING, 2.5	
11	7029851	AR	SNAP RING, 2.25	
11	1319604	AR	SNAP RING, 2.0	
12	1319606	2	ROLLER CAGE	
13	1319635	1	DISC CARRIER	
14	1319636	1	ROLLER BEARING	

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FIGURE 5-30. ZF TRANSMISSION - POWER TAKE-OFF



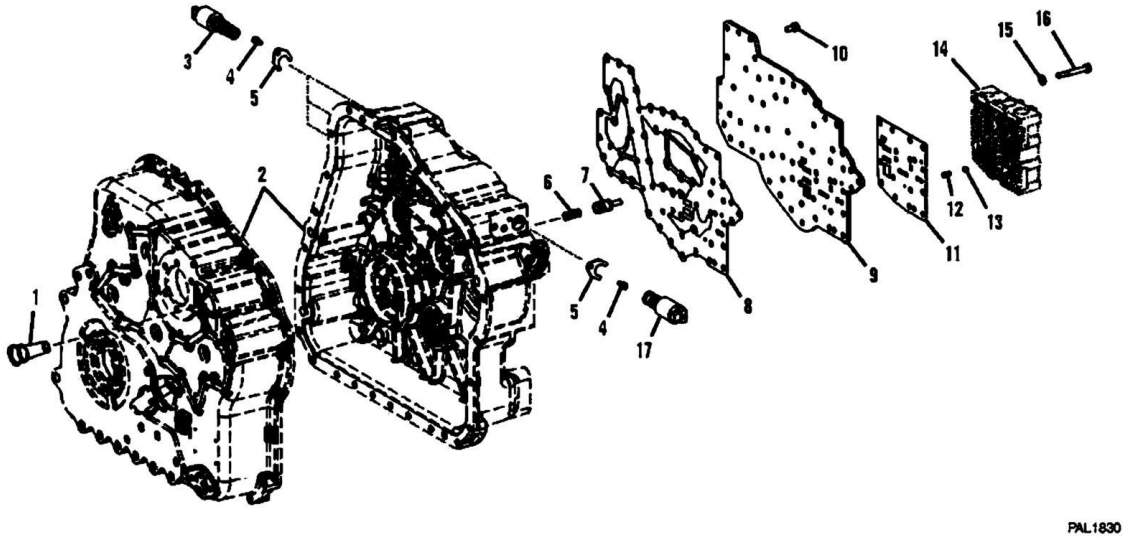
https://truckmanualshub.com/

FIGURE 5-30. ZF TRANSMISSION - POWER TAKE-OFF

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1319576	1	SHAFT SEAL	
2	70021526	1	HOUSING	
3	1319571	2	CYLINDRICAL PIN	
4	7026775	15	HEX HD CAPSCREW, M10X80, GR8.8	
5	80304394	21	HEX HD CAPSCREW, M10X30, GR8.8	
6	7026774	1	GASKET	
7	7026769	2	ROLLER BEARING	
8	7026771	1	SHAFT	
9	7026772	1	PISTON RING	
10	1319608	2	ROLLER BEARING	
11	7026773	1	SHAFT	

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FIGURE 5-31. ZF TRANSMISSION - CONTROL UNIT AND PRESSURE REGULATOR



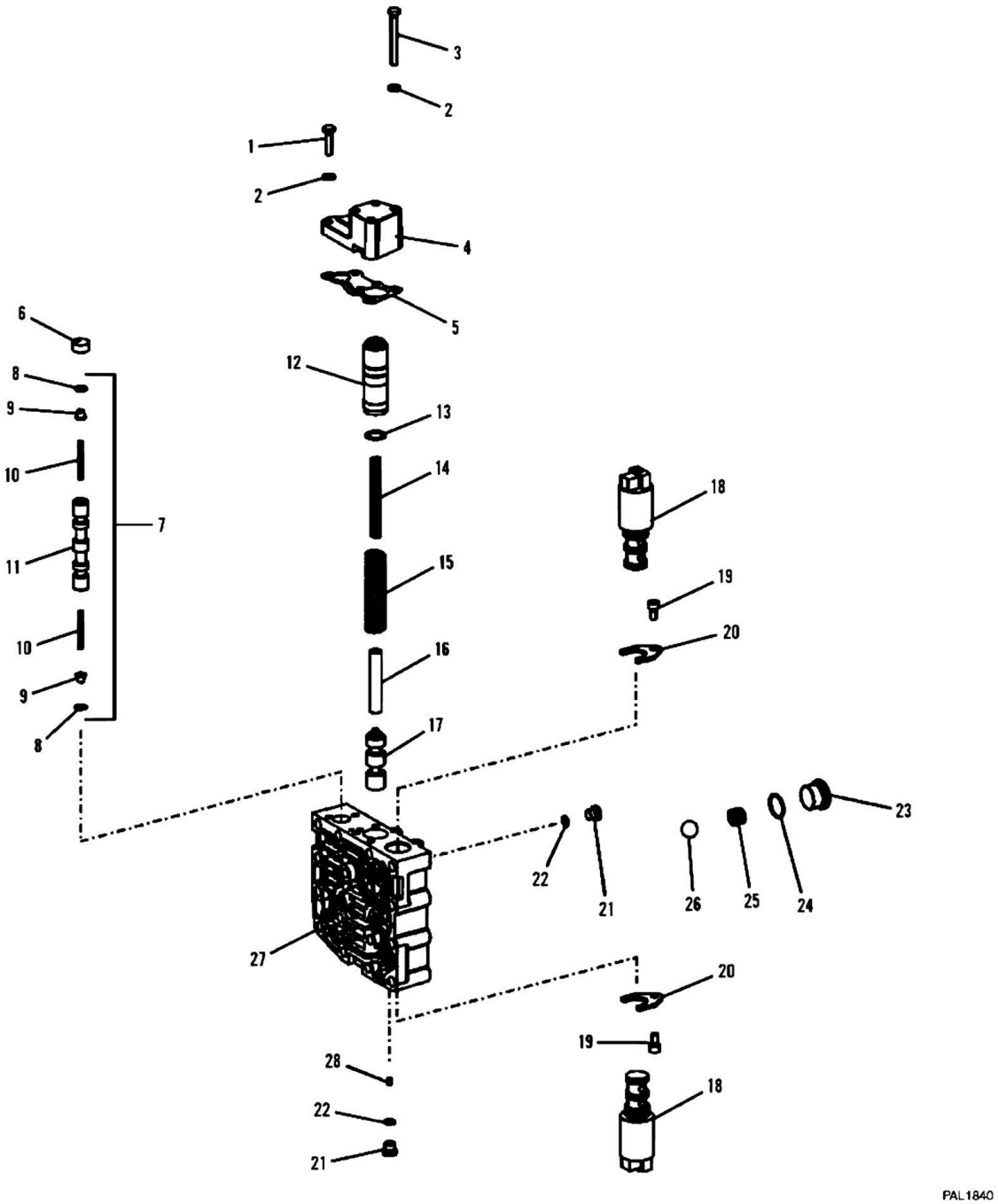
https://truckmanualshub.com/

FIGURE 5-31. ZF TRANSMISSION - CONTROL UNIT AND PRESSURE REGULATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7026782	1	VALVE	
2		Ref	HOUSING, (See ZF TRANSMISSION - GEARBOX HOUSING for Breakdown)	
3	8036529	3	SOLENOID VALVE	
4	N.S.S.	4	CAPSCREW, M6X12, GR8.8	
5	N.S.S.	4	BRACKET	
6	7026784	1	COMPRESSED SPRING	
7	7026783	1	PISTON	
8	7026776	1	GASKET	
9	7026777	1	PLATE	
10	7026780	46	HEX HD CAPSCREW	
11	7026779	1	INTERMEDIATE SHEET	
12	7026778	1	COMPRESSED SPRING	
13	10731761	1	BALL	
14		Ref	VALVE HOUSING, (See ZF TRANSMISSION - GEARSHIFT SYSTEM for Breakdown)	
15	10731756	16	WASHER	
16	7026781	16	HEX HD CAPSCREW, M8X60, GR10.9	
17	8036528	1	SOLENOID VALVE	

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FIGURE 5-32. ZF TRANSMISSION - GEARSHIFT SYSTEM



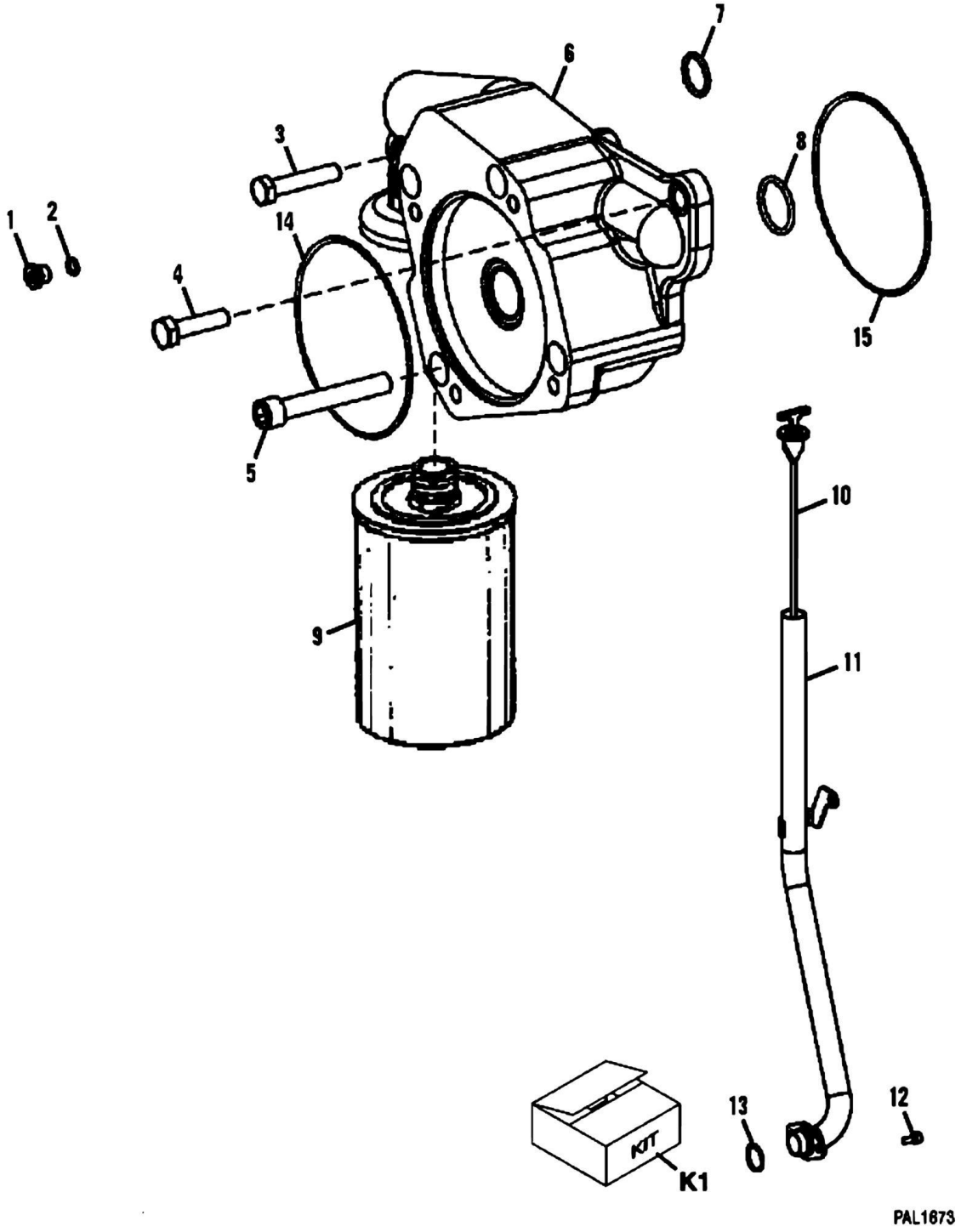
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FIGURE 5-32. ZF TRANSMISSION - GEARSHIFT SYSTEM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1319693	2	HEX HD CAPSCREW, M6X25, GR10.9	
2	1319661	6	WASHER	
3	1321265	4	HEX HD CAPSCREW, M6X55, GR10.9	
4	7026789	1	COVER	
5	7026788	1	GASKET	
6	7026787	1	SPACER	
7	1319694	1	VALVE ASSY, (includes items 8 thru 11)	
8	N.S.S.	2	SNAP RING	
9	N.S.S.	2	SPRING SLEEVE	
10	N.S.S.	2	COMPRESSED SPRING	
11	N.S.S.	1	PISTON	
12	7026790	1	PISTON	
13	1319685	AR	WASHER, 2.0	
13	1319686	AR	WASHER, 1.0	
13	1319687	AR	WASHER, 0.5	
13	1319688	AR	WASHER, 0.3	
13	1319689	AR	WASHER, 0.2	
14	1319684	1	COMPRESSED SPRING	
15	1319683	1	COMPRESSED SPRING	
16	7026786	1	SLEEVE	
17	7026785	1	CONTROL PISTON	
18	8036528	2	SOLENOID VALVE	
19	N.S.S.	2	HEX HD CAPSCREW, M6X12, GR8.8	
20	N.S.S.	2	BRACKET	
21	1319670	2	PLUG, M10	
22	80304327	2	O-RING	
23	N.S.S.	2	PLUG, M24	
24	70000656	2	O-RING	
25	10732072	2	COMPRESSED SPRING	
26	10732071	2	BALL	
27	70022790	1	VALVE HOUSING	
28	1319652	1	ORIFICE	

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FIGURE 5-33. ZF TRANSMISSION - OIL PUMP, FILTER AND DIPSTICK



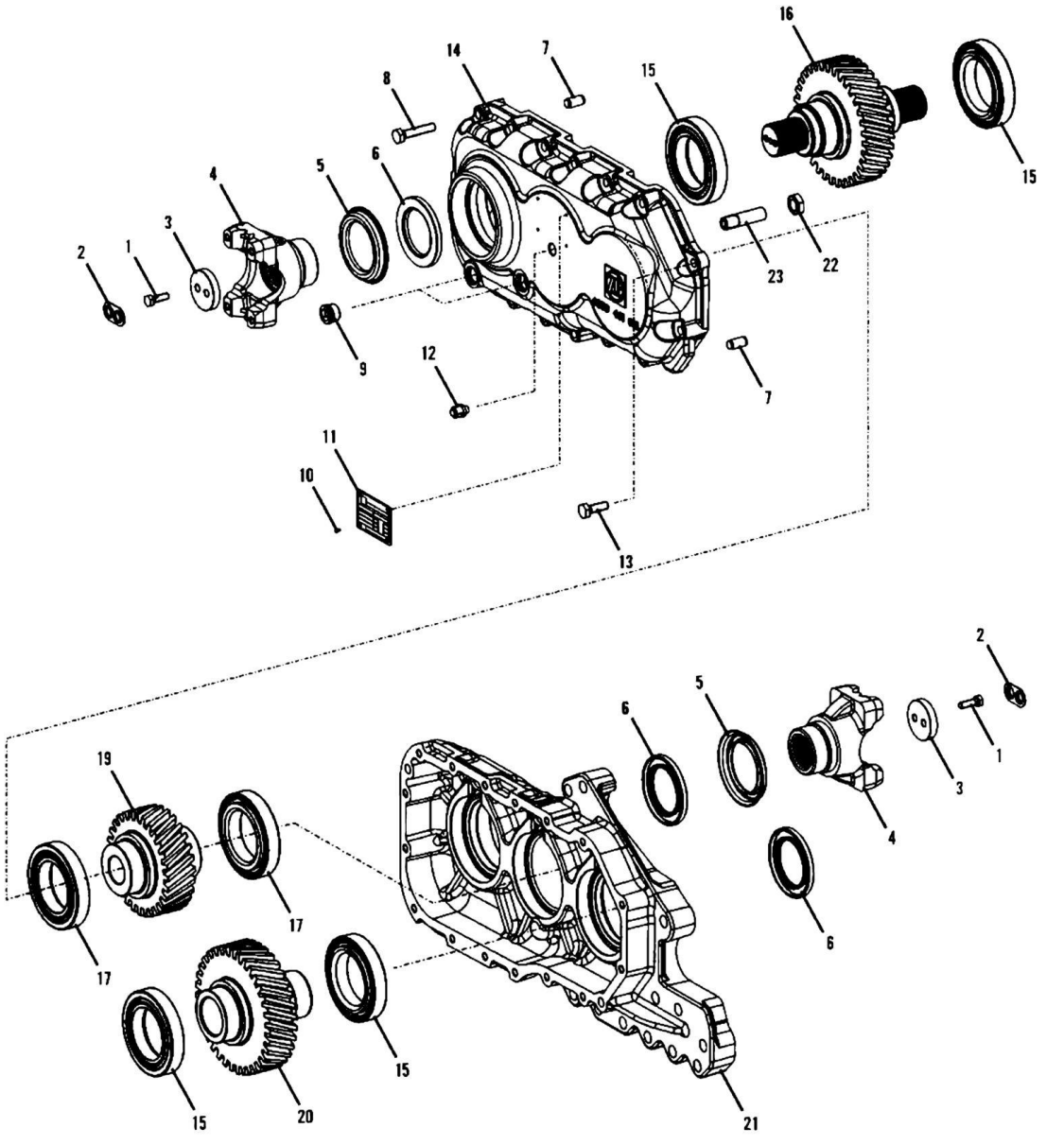
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FIGURE 5-33. ZF TRANSMISSION - OIL PUMP, FILTER AND DIPSTICK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1319670	2	PLUG, M10X1	
2	80304327	2	O-RING	
3	7026794	1	HEX HD CAPSCREW, M10X50, GR8.8	
4	80304394	1	HEX HD CAPSCREW, M10X30, GR8.8	
5	7026793	4	CAPSCREW, M12X80, GR10.9	
6	7026791	1	PUMP	
6	7029417	1	O-RING, (located between two halves of oil pump)	
7	7026792	3	O-RING	
8	1319719	1	O-RING	
9	1319726	1	FILTER	
10	8841322	1	DIPSTICK	
11	1001095744	1	DIPSTICK TUBE	
12	1319585	2	CAPSCREW, M8X16, GR8.8	
13	1319581	1	O-RING	
14	80933113	1	O-RING	
15	8036250	1	O-RING, (located between oil pump and transmission)	
K1	1001095738	1	OIL LEVEL GAUGE KIT, (includes items 10 & 11)	

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FIGURE 5-34. ZF TRANSMISSION - TRANSFER BOX



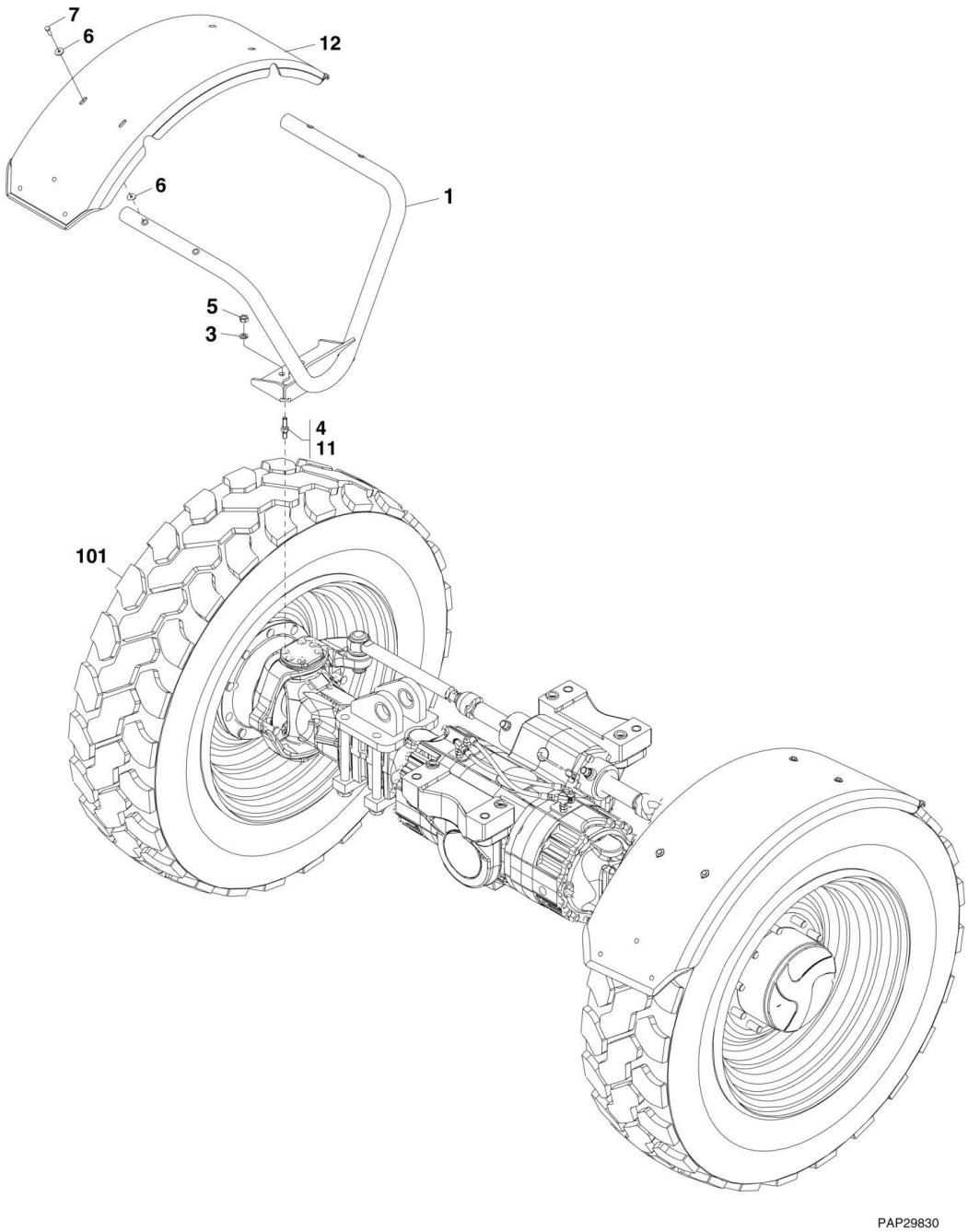
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FIGURE 5-34. ZF TRANSMISSION - TRANSFER BOX

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70020549	1	TRANSFER BOX, (includes all items)	
1	10731959	4	HEX HD CAPSCREW, M8X25, GR10.9	
2	N.S.S.	2	TAB WASHER	
3	1319648	2	WASHER	
4	7027273	2	FLANGE	
5	1319647	2	SCREEN SHEET	
6	1320755	3	SHAFT SEAL	
7	1319571	2	CYLINDRICAL PIN	
8	70023801	15	HEX HD CAPSCREW, M10X50, GR10.9	
9	70023404	2	PLUG	
10	10731758	4	STUD, 3X5	
11	N.S.S.	1	SN PLATE	
12	1319436	1	BREATHER	
13	70023800	1	HEX HD CAPSCREW, M10X30, GR10.9	
14	70023267	1	HOUSING	
15	7026769	4	ROLLER BEARING	
16	7029848	1	OUTPUT SHAFT	
17	N.S.S.	4	TAPERED ROLLER BEARING	
17	1320748	1	CUP	
17	1320754	1	CONE	
19	7027270	1	IDLER GEAR	
20	N.S.S.	1	INPUT SHAFT	
20	70020493	1	INPUT GEAR	
20	70020036	1	SEAL	
21	70023266	1	HOUSING	
22	7026578	1	HEX NUT, M16	
23	7026577	1	SLEEVE	

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FIGURE 5-35. FENDER INSTALLATION



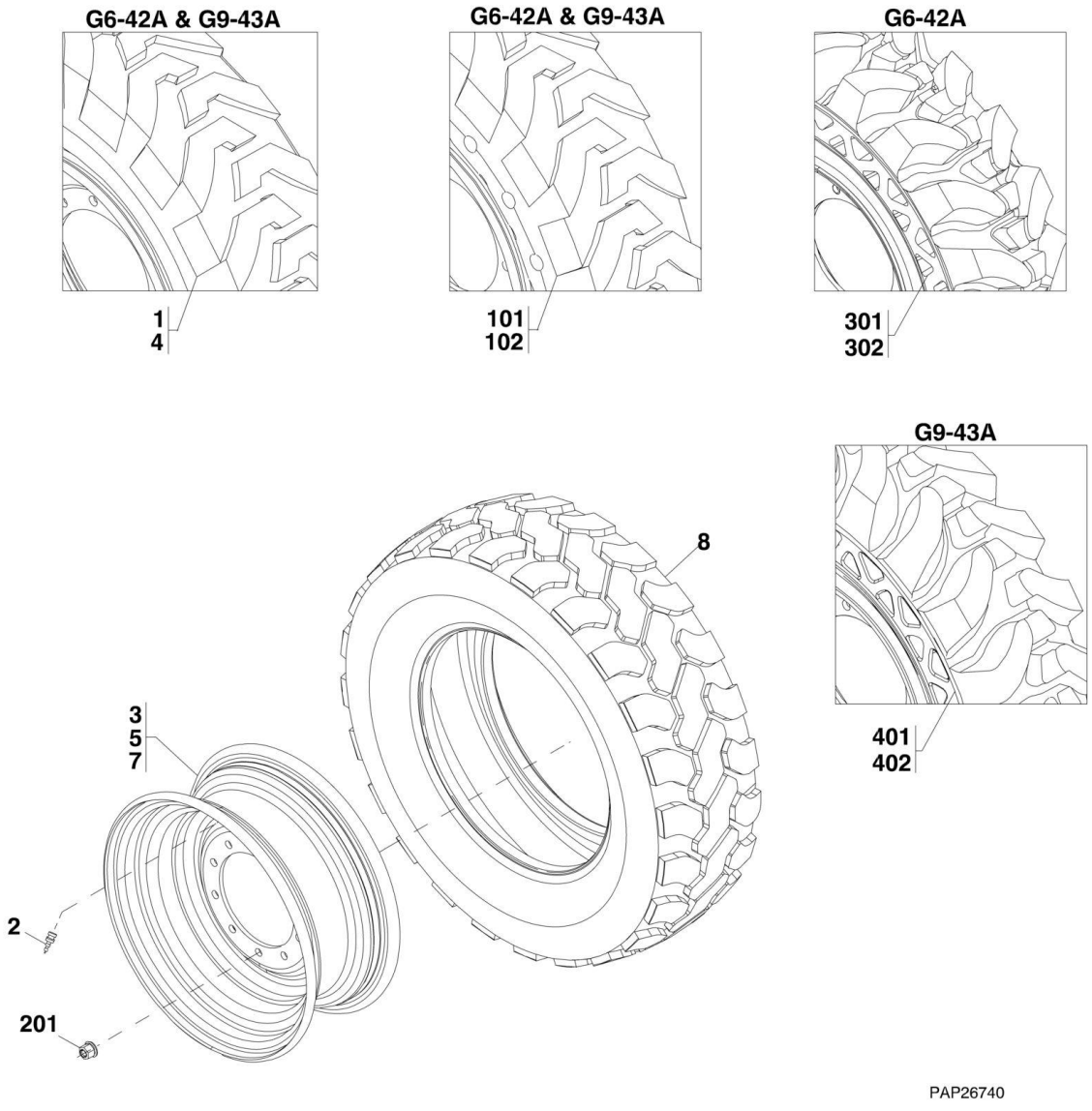
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FIGURE 5-35. FENDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001142564	1	FENDER INSTALLATION, (includes items 1 thru 11)	C
1	1001142561	4	FENDER BRACKET	
3	83191010	16	LOCKWASHER	
4	91514118	16	FENDER STUD	
5	91513266	16	HEX NUT, M12X1-1/4	
6	4811902	32	WASHER, 8mm	
7	0760812	16	HEX HD CAPSCREW, M8X25, GR8.8	
11	1001095650	AR	LOCTITE 243	
12	1001154055	4	FENDER DUNLOFLEX	
101		Ref	WHEEL ASSY, (See WHEEL ASSEMBLY for Breakdown)	

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FIGURE 5-36. WHEEL ASSEMBLY G6-42A & G9-43A



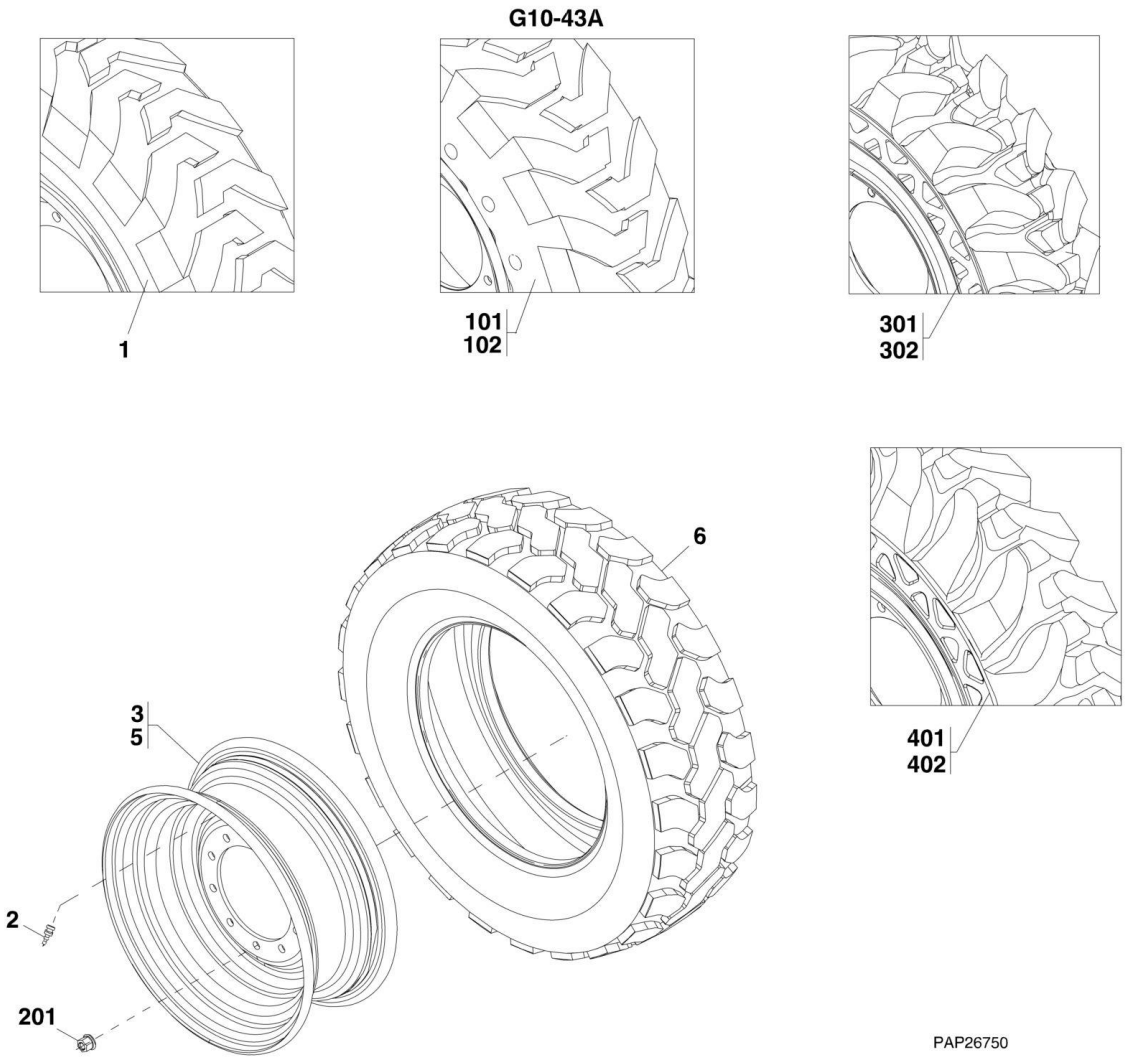
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FIGURE 5-36. WHEEL ASSEMBLY G6-42A & G9-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4520368	1	TIRE SET, 13.00-24 BIAS, G-2	B
	91405035	2	RH TIRE AND WHEEL ASSY, 13.00-24 BIAS, G-2, (includes items 1 thru 3)	I
	91405036	2	LH TIRE AND WHEEL ASSY, 13.00-24 BIAS, G-2, (includes items 1 thru 3)	I
	4520455	1	TIRE SET, 15.50-25 BIAS, G-2	B
	91475031	2	RH TIRE AND WHEEL ASSY, 15.50-25 BIAS, G-2, (includes items 2, 4 & 5)	D
	91475032	2	LH TIRE AND WHEEL ASSY, 15.50-25 BIAS, G-2, (includes items 2, 4 & 5)	D
	4520370	1	TIRE SET, 13.00-24 BIAS, G-2, FOAM FILLED	B
	91475054	2	RH TIRE AND WHEEL ASSY, 13.00-24 BIAS, G-2, FOAM FILLED, 542lb, (includes items 1 thru 3 & 6)	E
	91475055	2	LH TIRE AND WHEEL ASSY, 13.00-24 BIAS, G-2, FOAM FILLED, 542lb, (includes items 1 thru 3 & 6)	E
	4520456	1	TIRE SET, 15.50-25 BIAS, G-2, FOAM FILLED	B
	4520449	2	RH TIRE AND WHEEL ASSY, 15.50-25 BIAS, G-2, FOAM FILLED, 600lb, (includes items 2 & 4 thru 6)	B
	4520450	2	LH TIRE AND WHEEL ASSY, 15.50-25 BIAS, G-2, FOAM FILLED, 600lb, (includes items 2 & 4 thru 6)	B
	1001120963	1	TIRE SET, 370/75-28, 14 PLY	B
	1001100323	4	TIRE AND WHEEL ASSY, 370/75-28, 14 PLY, (includes items 2, 7 & 8)	D
	1001121519	1	TIRE SET, 370/75-28, 14 PLY, FOAM FILLED	B
	1001121101	4	TIRE AND WHEEL ASSY, 370/75-28, 14 PLY, FOAM FILLED, 464lb, (includes items 2, 6, 7 & 8)	B
1	8780031	1	TIRE, 13.00-24 BIAS, DIRECTIONAL	
2	8786514	1	VALVE STEM	
3	91473206	1	WHEEL, 24X9, 0.219 OFFSET	
4	8780036	1	TIRE, 15.50-25 BIAS, DIRECTIONAL	
5	91473207	1	WHEEL, 25X13, 0.219 OFFSET	
6	8526203	AR	BALLAST FLAT PROOFING FOAM FILL, (not shown)	
7	1001099976	1	WHEEL, 28X11, 0.219 OFFSET, (if equipped with Firestone 370/75-28)	
8	1001100284	1	TIRE, 370/75-28, 14 PLY	
	4520645	1	SOLID TIRE SET, 13.00-24, (includes items 101 & 102)	A
101	4520646	2	RH SOLID TIRE AND WHEEL ASSY	C
102	4520647	2	LH SOLID TIRE AND WHEEL ASSY	C
201		Ref	WHEEL NUT, (See DRIVE TRAIN COMPONENTS for Breakdown)	
	1001151106	1	SOLIDEAL TIRE SET, 13.00X24, 0.219 OFFSET, (include items 301 & 302)	A
301	1001151097	2	LH SOLIDEAL TIRE AND WHEEL ASSY	A
302	1001151098	2	RH SOLIDEAL TIRE AND WHEEL ASSY	A
	1001151108	1	SOLIDEAL TIRE SET, 14.00X24, 0.219 OFFSET, (include items 401 & 402)	A
401	1001151101	2	LH SOLIDEAL TIRE AND WHEEL ASSY	A
402	1001151102	2	RH SOLIDEAL TIRE AND WHEEL ASSY	A

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FIGURE 5-37. WHEEL ASSEMBLY G10-43A



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FIGURE 5-37. WHEEL ASSEMBLY G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4520481	1	TIRE SET, 14.00-24 BIAS, G-2	B
	91355034	2	RH TIRE AND WHEEL ASSY, 14.00-24 BIAS, G-2, (includes items 1 thru 3)	D
	91355035	2	LH TIRE AND WHEEL ASSY, 14.00-24 BIAS, G-2, (includes items 1 thru 3)	D
	4520482	1	TIRE SET, 14.00-24 BIAS, G-2, FOAM FILLED	C
	91355037	2	RH TIRE AND WHEEL ASSY, 14.00-24 BIAS, G-2, FOAM FILLED, 720 lb, (includes items 1 thru 4)	F
	91355038	2	LH TIRE AND WHEEL ASSY, 14.00-24 BIAS, G-2, FOAM FILLED, 720 lb, (includes items 1 thru 4)	F
	1001121109	1	TIRE SET, 400/75-28, 16 PLY	B
	1001121103	4	TIRE AND WHEEL ASSY, 400/75-28, 16 PLY, (includes items 2, 5 & 6)	B
	1001125410	1	TIRE SET, 400/75-28, 16 PLY, FOAM FILLED	B
	1001121105	4	TIRE AND WHEEL ASSY, 400/75-28, 16 PLY, FOAM FILLED, 570 lb, (includes items 2 & 4 thru 6)	C
1	91043084	1	TIRE, 14.00-24 BIAS, DIRECTIONAL	
2	8786514	1	VALVE STEM	
3	91473206	1	WHEEL, 24X9, 0.219 OFFSET	
4	8526203	AR	BALLAST FLAT PROOFING FOAM FILL, (not shown)	
5	1001120178	1	WHEEL, 28X12, 0.75 OFFSET, (if equipped with Firestone 400/75-28)	
6	1001120179	1	TIRE, 400/75-28, 16PLY	
	1001105780	1	TIRE SET, 14X24, SOLID, (includes items 101 & 102)	A
101	1001105782	2	RH SOLID TIRE AND WHEEL ASSY, 14-24	B
102	1001105781	2	LH SOLID TIRE AND WHEEL ASSY, 14-24	B
201		Ref	WHEEL NUT, (See DRIVE TRAIN COMPONENTS for Breakdown)	
	1001151106	1	SOLIDEAL TIRE SET, 13.00X24, 0.219 OFFSET, (include items 301 & 302)	A
301	1001151097	2	LH SOLIDEAL TIRE AND WHEEL ASSY	A
302	1001151098	2	RH SOLIDEAL TIRE AND WHEEL ASSY	A
	1001151108	1	SOLIDEAL TIRE SET, 14.00X24, 0.219 OFFSET, (include items 401 & 402)	A
401	1001151101	2	LH SOLIDEAL TIRE AND WHEEL ASSY	A
402	1001151102	2	RH SOLIDEAL TIRE AND WHEEL ASSY	A

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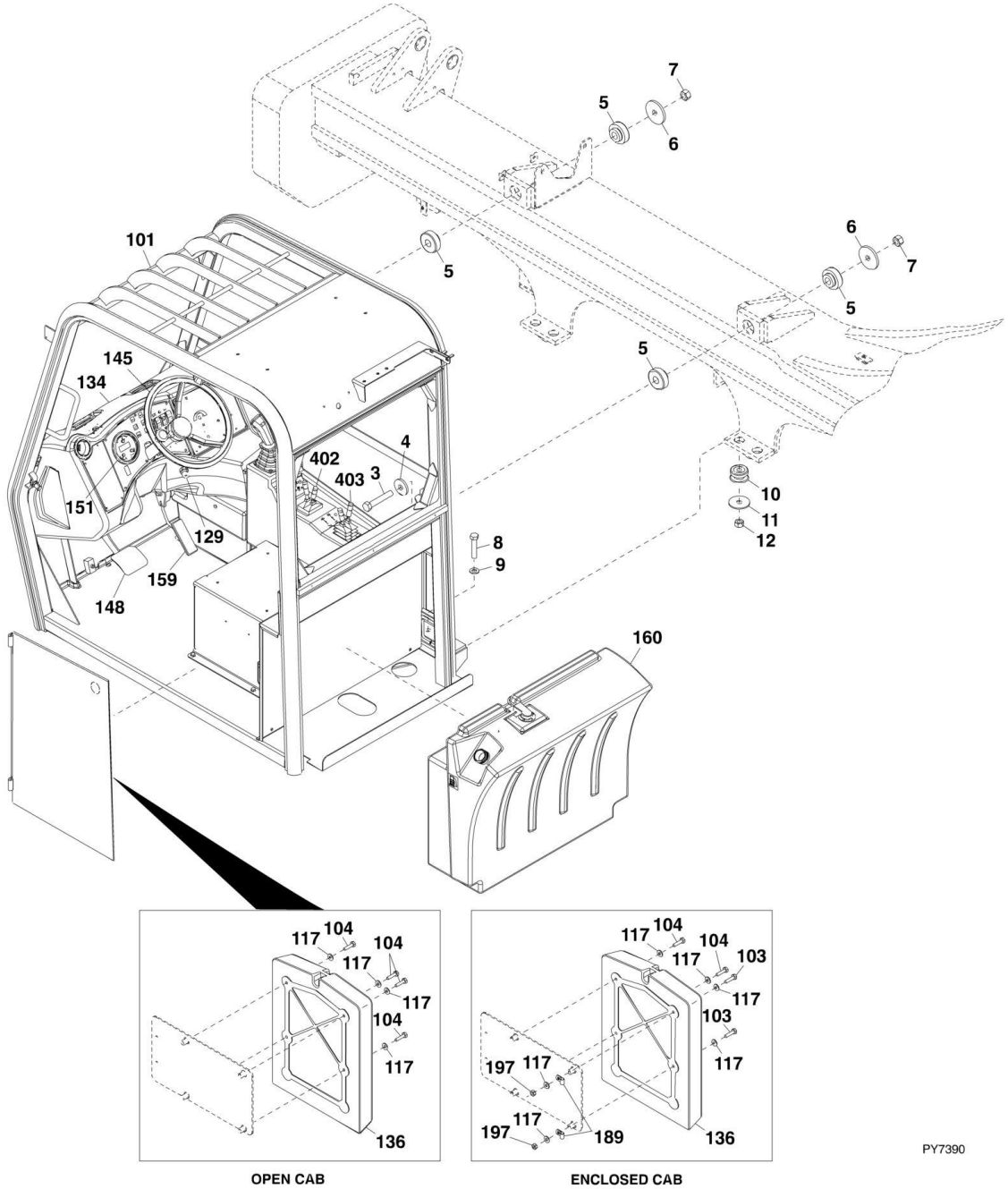
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SECTION 6 - CAB

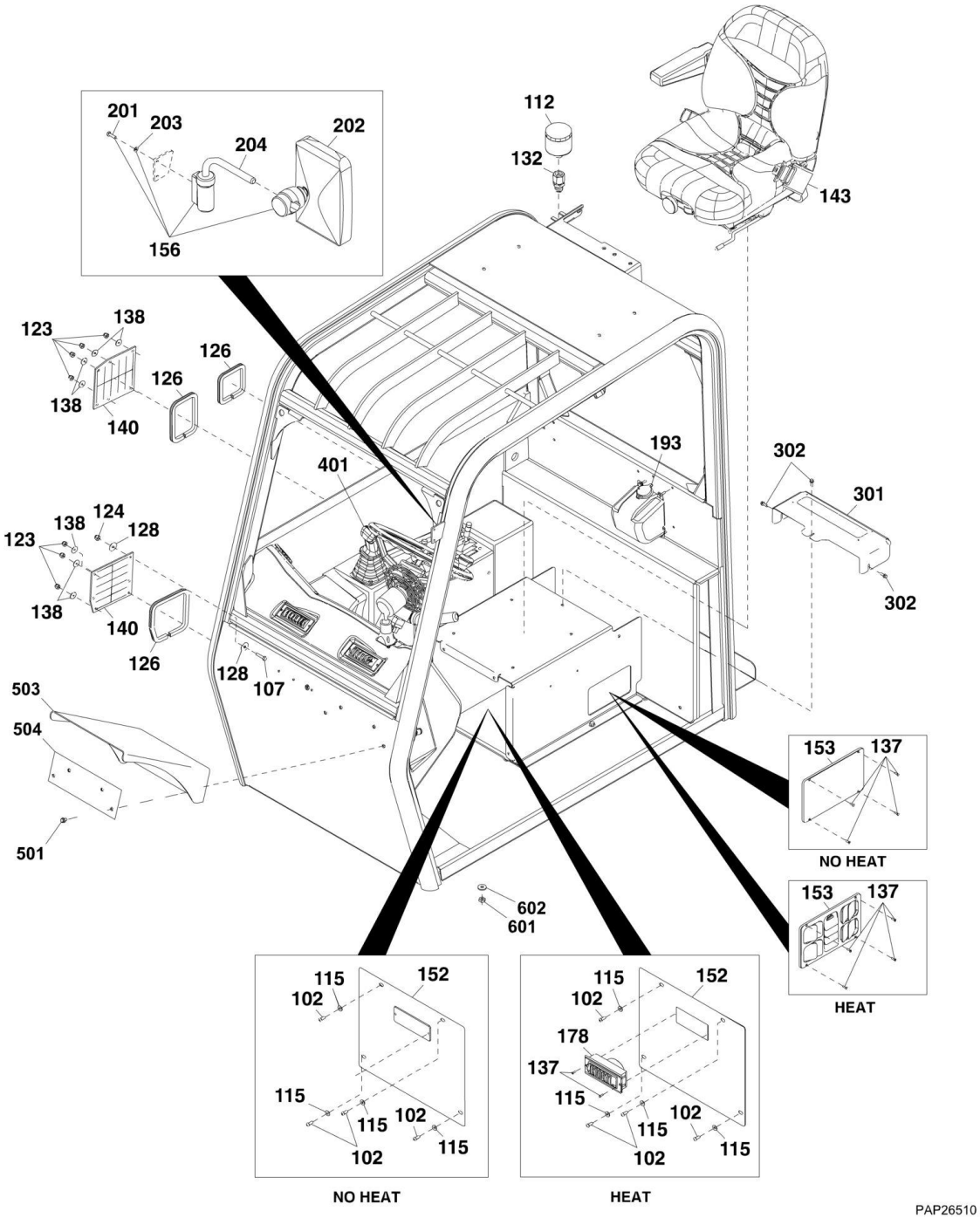
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SECTION 6 - CAB

FIGURE 6-1. CAB INSTALLATION



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SECTION 6 - CAB

FIGURE 6-1. CAB INSTALLATION

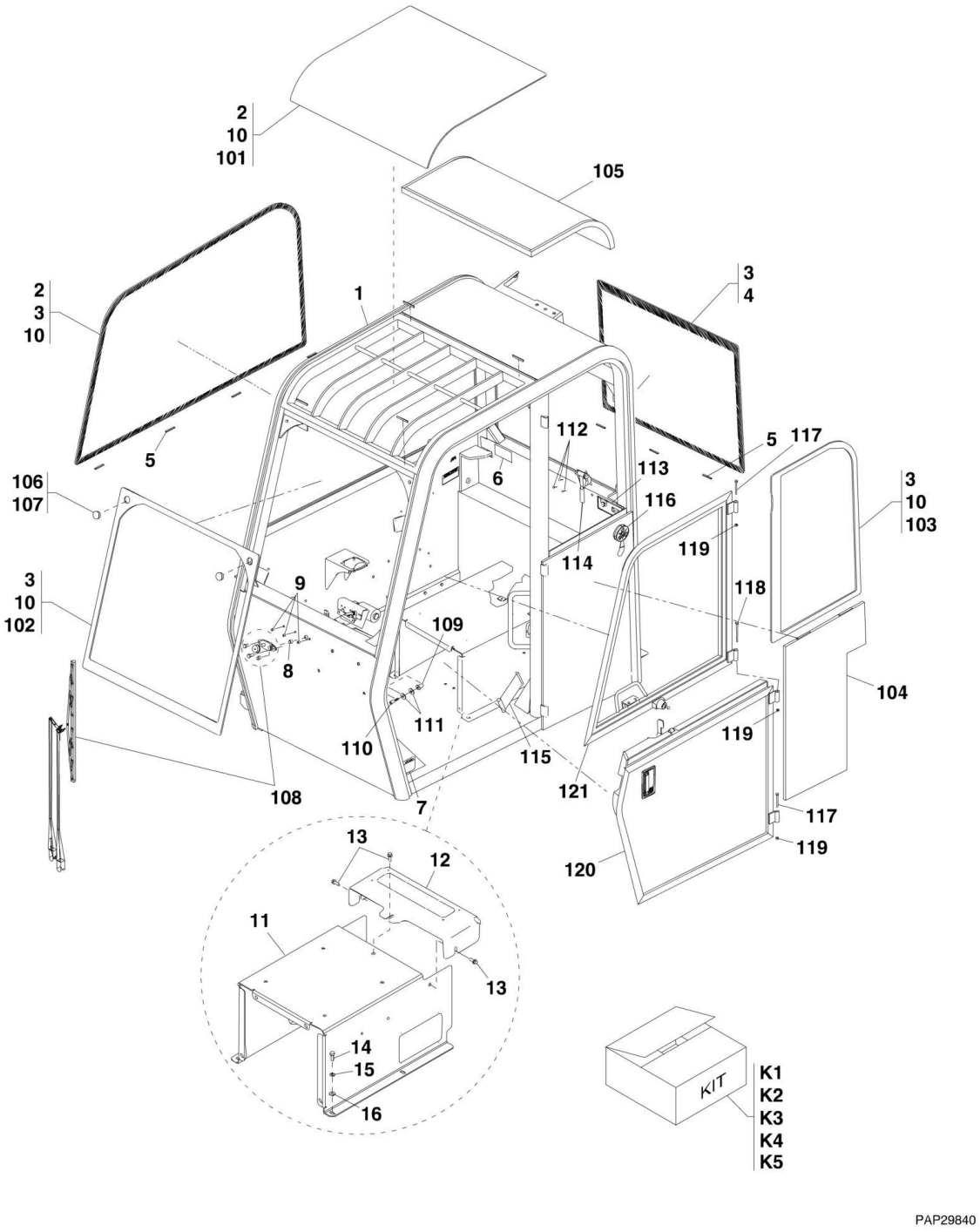
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001098254	Ref	CAB INSTALLATION, (not available to order, see items 3 thru 12 for service)	D
3	0682440	2	HEX HD CAPSCREW, 7/8-9X5	
4	1001108383	2	TAIL WASHER	
5	91403153	4	SHOCK MOUNT	
6	91403217	2	REBOUND WASHER	
7	88501014	2	HEX NUT, 7/8-9	
8	0682230	4	HEX HD CAPSCREW, 3/4-10X3-3/4	
9	90027473	4	HARD WASHER, 3/4	
10	91403097	4	CENTER BONDED MOUNT	
11	91403098	4	TAIL WASHER	
12	88501012	4	HEX NUT, 3/4-10	
101		Ref	CAB ASSY, (See CAB ASSEMBLY for Breakdown)	
102	0630407	4	BUTTON HD CAPSCREW, 1/4-20X5/8	
103	0641409	2	HEX HD CAPSCREW, 1/4-20X1-1/8, (enclosed cab)	
104	0641408	4	HEX HD CAPSCREW, 1/4-20X1, (open cab)	
104	0641408	2	HEX HD CAPSCREW, 1/4-20X1, (enclosed cab)	
107	0641510	1	HEX HD CAPSCREW, 5/16-18X1-1/4	
112	1340021	1	AIR BREATHER	
115	4711400	4	WASHER, 1/4	
117	4751400	4	WASHER, 1/4, (open cab)	
117	4751400	6	WASHER, 1/4, (enclosed cab)	
123	88521004	7	LOCKNUT, 1/4-20	
124	88521005	1	LOCKNUT, 5/16-18	
126	90206195	54 in	TRIM-LOK	
128	91023098	2	WASHER, 5/16	
129		Ref	IGNITION SWITCH, (See ELECTRICAL SECTION for Breakdown)	
132	91163100	1	ADAPTER	
134		Ref	CAB INTERIOR, (See CAB INTERIOR for Breakdown)	
136	91403230	1	MANUAL STORAGE BOX	
137	91413036	4	SCREW, #6X1/2, (NO HEAT)	
137	91413036	6	SCREW, #6X1/2, (HEAT)	
138	91413050	7	WASHER, 1/4	
140	91473163	2	HOSE GUARD	
143		Ref	SEAT ASSY, (See SEAT for Breakdown)	
145		Ref	STEERING COLUMN AND STEERING WHEEL, (See CONTROLS SECTION for Breakdown)	
148		Ref	BRAKE AND MOUNTING HARDWARE, (See CONTROLS SECTION for Breakdown)	
149		Ref	TRANSMISSION RELAY HARNESS, (not shown), (See ELECTRICAL SECTION for Breakdown)	
151		Ref	DASH INSTRUMENT PANEL AND CAB SWITCHES, (See ELECTRICAL SECTION for Breakdown)	
152	1001103567	1	SEAT RISER PANEL	
153	1001106866	1	SEAT RISER SIDE PANEL, (NO HEAT)	
153	1001106849	1	RETURN AIR VENT, (HEAT)	
154		Ref	DASH HARNESS, (not shown), (See ELECTRICAL SECTION for Breakdown)	
156	1001115153	Ref	CAB MIRROR INSTALLATION, (not available to order, see items 201 thru 204 for service)	C
159		Ref	ACCELERATOR AND MOUNTING HARDWARE, (See CONTROLS	

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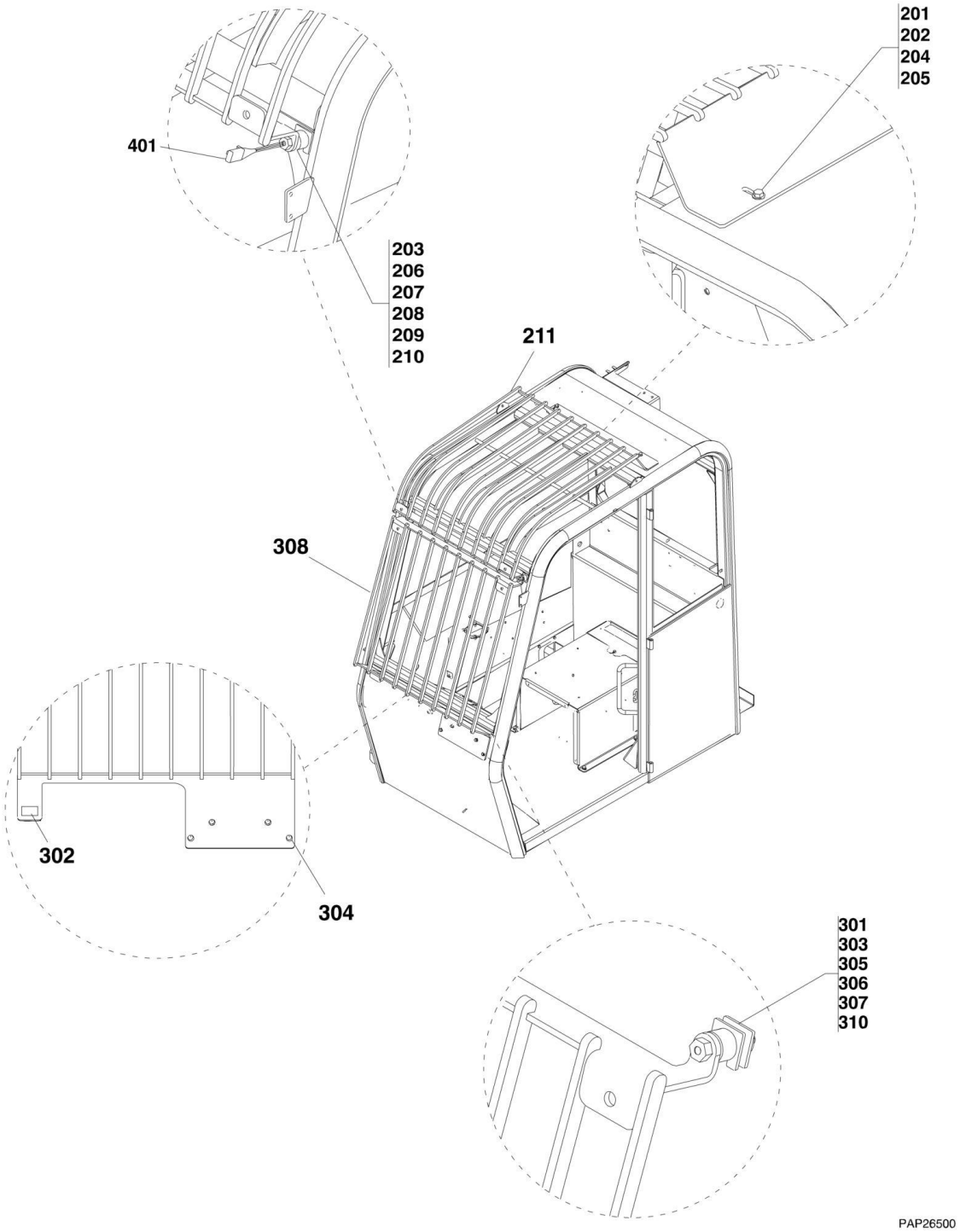
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			SECTION for Breakdown)	
160		Ref	FUEL TANK ASSY, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
169		Ref	ENCLOSED CAB OPTION HARNESS, (not shown), (See ELECTRICAL SECTION for Breakdown)	
178		Ref	HEATING COMPONENTS, (See HEATER INSTALLATION for Breakdown)	
189	1320136	2	CABLE CLAMP, (enclosed cab)	
193		Ref	WINDOW WASHER FLUID TANK, (enclosed cab), (See WIPER for Breakdown)	
197	3311401	2	HEX NUT, 1/4-20, GR2, (enclosed cab)	
201	0700610	2	HEX HD CAPSCREW, M6X20, GR8.8	
202	1001148177	1	MIRROR	
203	8307024	2	LOCKWASHER, 6mm	
204	1001114675	1	BRACKET	
301	1001117136	1	ACCESS PANEL	
302	0791406	3	SCREW, 1/4-20X3/4	
401		Ref	BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown)	
402		Ref	FRAME LEVEL JOYSTICK, (See CONTROLS SECTION for Breakdown)	
403		Ref	OUTRIGGER JOYSTICK, (See CONTROLS SECTION for Breakdown)	
450	1001152569	1	NON-SKID FLOOR, (not shown)	
	91565067	NLA	CAB FENDER INSTALLATION, (no longer available, see 1001145754 for replacement or items 501 thru 504 for service)	B
	1001145754	1	THERMOFORMED FENDER ASSY, (includes items 501 thru 504)	B
501	0791608	4	HEX HD CAPSCREW, 3/8-16X1, GR5	
503	1001145702	1	THERMOFORMED FENDER	
504	1001145753	1	FENDER PLATE	
601	3311505	4	LOCKNUT, 5/16-18	
602	4711500	4	FLAT WASHER, 5/16	

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FIGURE 6-2. CAB ASSEMBLY



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FIGURE 6-2. CAB ASSEMBLY

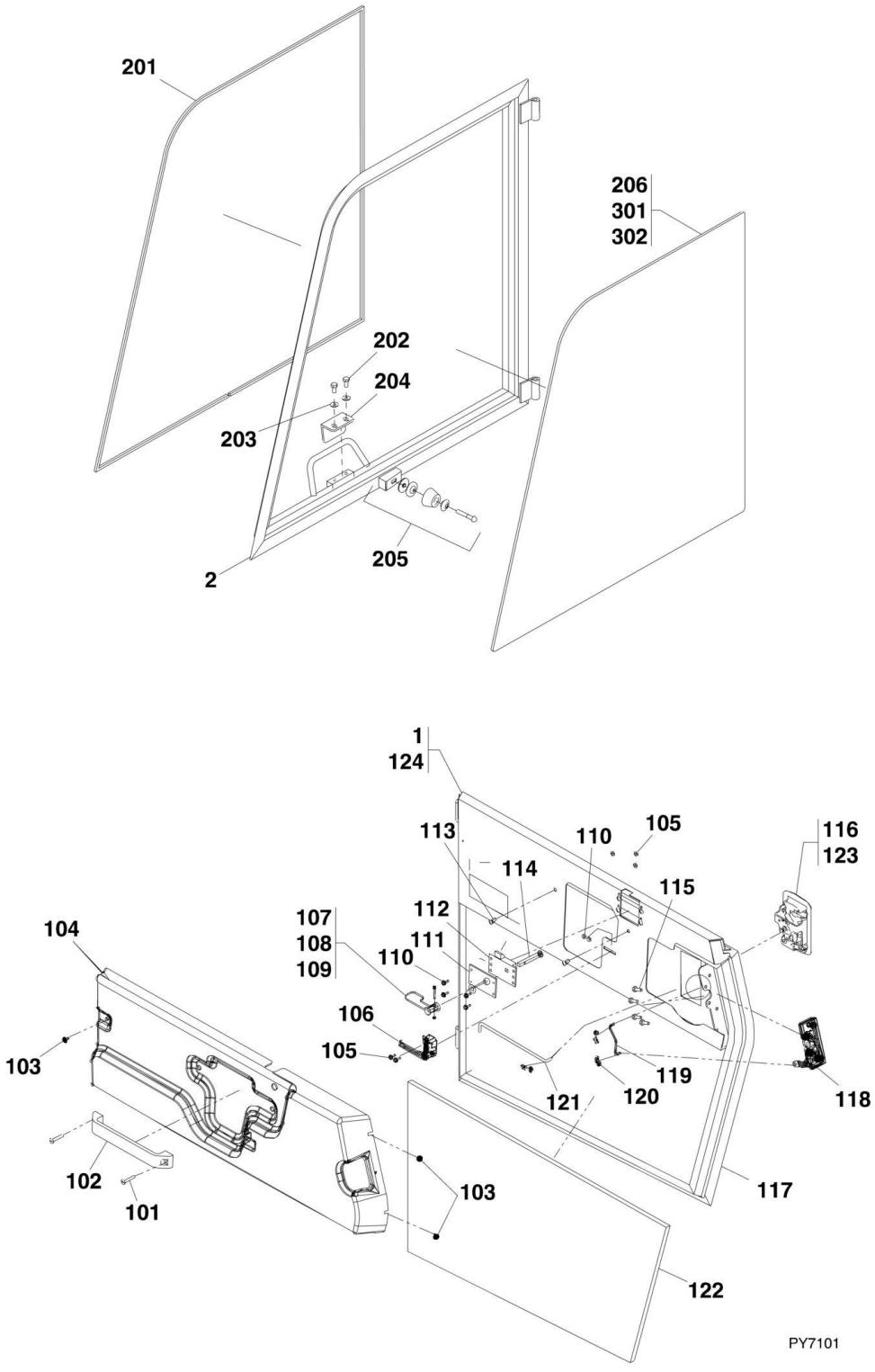
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001119958	1	OPEN CAB ASSY, (includes items 1 thru 16)	B
	1001119959	1	ENCLOSED CAB ASSY, (includes items 1 thru 7 & 10 thru 121)	B
1	N.S.S.	1	CAB WELDMENT	
2	91404109	1	RH SIDE WINDOW	
3	80364009	AR	URETHANE SEALANT	
4	91404110	1	REAR WINDOW	
5	80264031	7	SETTING BLOCK, 1/8X1/4X2	
6	N.S.S.	1	SN PLATE	
7	91164094	1	ROPS WARNING DECAL	
8	91164087	1	HOLE PLUG, 3/4	
9	91164086	3	HOLE PLUG, 3/8	
10	91404302	AR	ACTIVATOR	
11	1001103663	1	SEAT RISER WELDMENT	
12		Ref	ACCESS PANEL, (See CAB INSTALLATION for Breakdown)	
13		Ref	SCREW, 1/4-20X3/4, (See CAB INSTALLATION for Breakdown)	
14	0641608	4	HEX HD CAPSCREW, 3/8-16X1	
15	4761600	4	LOCKWASHER, 3/8	
16	4711600	4	WASHER, 3/8	
101	91404290	1	SKYLIGHT WINDOW	
102	91404291	1	FRONT WINDOW	
103	80364030	1	LH SIDE WINDOW	
104	91404294	1	LH SIDE PANEL FOAM	
105	91404295	1	HEAD LINER	
106	91404296	2	HOLE PLUG	
107	80364012	AR	SEALANT	
108		Ref	WIPERS, (See WIPER for Breakdown)	
109	80364023	1	STRIKER BOLT	
110	91334024	1	HEX BOLT, 3/8-16X7/8	
111	91404297	2	WASHER	
112	91404298	3	RIVET	
113	91404299	1	EMERGENCY EXIT DECAL	
114	91404301	1	EMERGENCY EXIT HAMMER	
115	80384218	1	DOOR STRAP	
116	91404303	1	DOOR HOLD OPEN ASSY	
117	80384205	2	HEX BOLT, 3/8-16X4	
118	80384305	1	HEX BOLT, 3/8-16X5	
119	91404306	3	HEX NUT, 3/8-16	
120		Ref	LOWER DOOR ASSY, (See CAB DOOR for Breakdown)	
121		Ref	UPPER DOOR ASSY, (See CAB DOOR for Breakdown)	
	1001100879	Ref	TOP BRICK GUARD INSTALLATION, (if equipped), (not available to order, see items 201 thru 211 for service)	B
201	0641608	2	HEX HD CAPSCREW, 3/8-16X1, GR5	
202	3271601	2	HEX NUT, 3/8-16, GR8	
203	4071133	4	KEEPER	
204	4711600	4	WASHER, 3/8	
205	4761600	2	LOCKWASHER, 3/8	
206	4761800	2	LOCKWASHER, 1/2	
207	14404173	AR	SILICONE SEALANT	
208	88501008	2	HEX NUT, 1/2	
209	91403503	2	SPACER	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
210	1001096728	2	BOLT, 1/2-13	
211	1001098344	1	BRICK GUARD BRACKET	
	1001100880	Ref	FRONT BRICK GUARD BRACKET INSTALLATION, (not available to order, see items 301 thru 310 for service)	B
301	4071133	4	KEEPER	
302	4420060	1	DOUBLE SIDED TAPE	
303	4761800	2	LOCKWASHER, 1/2	
304	77143003	4	WHIZ LOCK SCREW, 5/16-18X0.625	
305	88501008	2	HEX NUT, 1/2-13	
306	91403503	2	SPACER	
307	1001096728	2	BOLT, 1/2-13	
308	1001098042	1	BRICK GUARD BRACKET	
310	14404173	AR	SILICONE SEALANT	
	1001135607	Ref	BRICK GUARD WORK LIGHT HARNESS INSTALLATION, (includes item 401)	A
401	1001100895	1	CAB WORK LIGHT HARNESS	
601	8035523	AR	URETHANE, (not shown)	
K1	1001144796	1	CAB ENCLOSURE KIT WITH HEAT, (if equipped for ULS), (includes heater components, door components, rear window, skylight window, harnesses, hoses and other enclosed cab components)	A
K2	1001144797	1	CAB ENCLOSURE KIT WITH HEAT AND A/C, (if equipped for ULS), (includes heater components, door components, rear window, skylight window, harnesses, hoses and other enclosed cab components)	A
K3	1001144798	1	CAB ENCLOSURE KIT WITH HEAT, (if equipped for LS), (includes heater components, door components, rear window, skylight window, harnesses, hoses and other enclosed cab components)	A
K4	1001144799	1	CAB ENCLOSURE KIT WITH HEAT AND A/C, (if equipped for LS), (includes heater components, door components, rear window, skylight window, harnesses, hoses and other enclosed cab components)	A
K5	91413142	1	SKYLIGHT WINDOW KIT, (includes items 101 & 601)	

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FIGURE 6-3. CAB DOOR



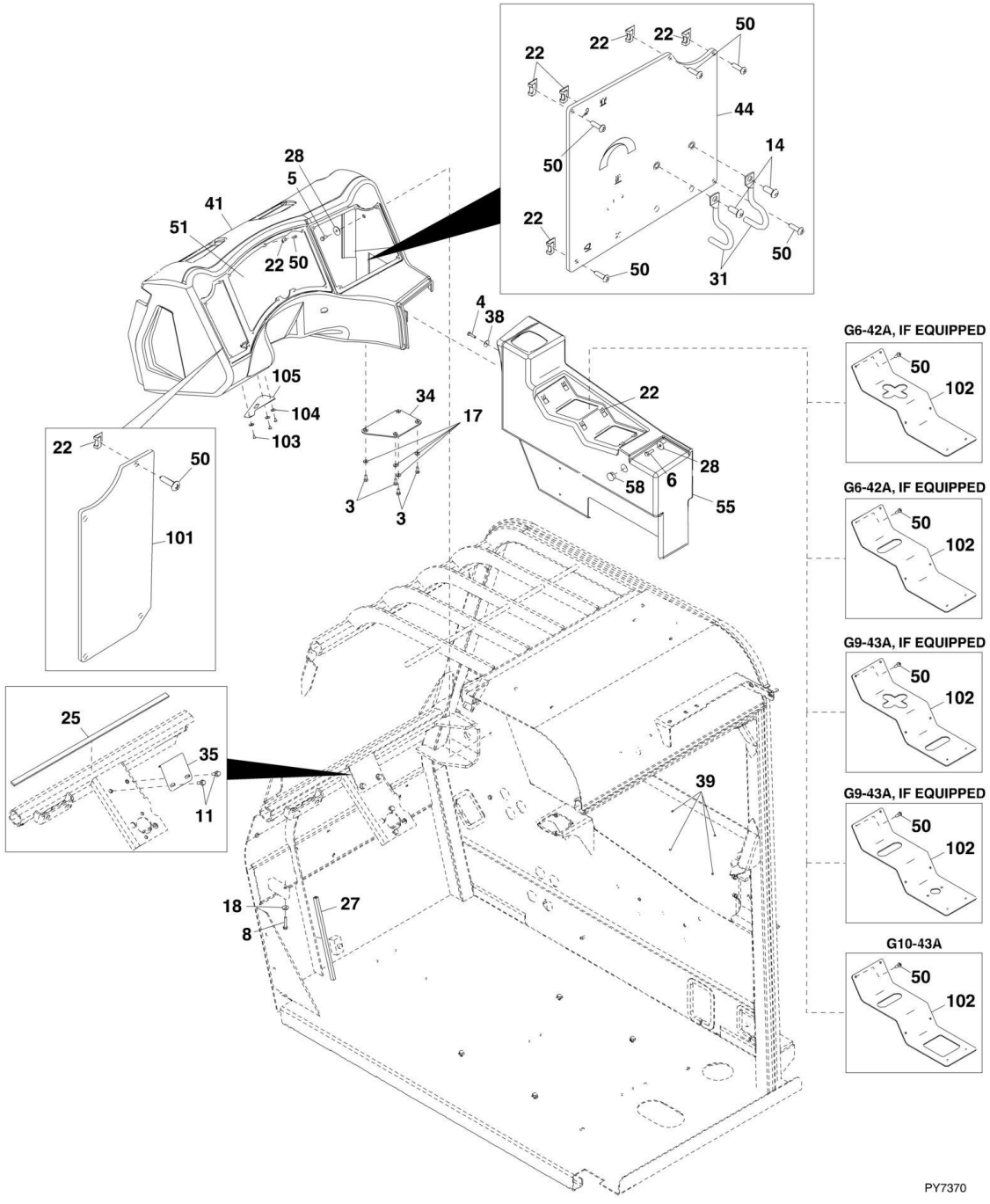
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FIGURE 6-3. CAB DOOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91474481	1	LOWER DOOR ASSY, (includes items 101 thru 124)	
2	91474482	1	UPPER DOOR ASSY, (includes items 201 thru 206)	
101	8035461	2	FLAT HD SCREW, 1/4-20X1-1/4	
102	91404316	1	GRAB HANDLE	
103	80264066	3	SCREW, M6X1X12	
104	91404311	1	PLASTIC DOOR COVER	
105	80384191	6	WHIZ-LOCK SCREW, #10-24X0.5	
106	80384192	1	INSIDE HANDLE	
107	91404315	1	RH WINDOW AND LH DOOR RELEASE LEVER	
108	91404317	1	SOCKET HD CAPSCREW, #8-32X1.12	
109	91404318	1	NYLOCK NUT, #8-32	
110	91404313	6	LOCKNUT, #10-24	
111	91404320	1	SLAM LATCH STIFFENER	
112	91404319	1	LH SLAM LATCH	
113	8866334	2	RIVNUT, 1/4-20	
114	91404321	1	LOWER DOOR DRIVE BAR WELDMENT	
115	80384189	4	HEX SCREW, 1/4-20X3/4	
116	1001081241	1	DOOR HANDLE, (includes item 123)	
117	80364001	8 ft	BULB SEAL	
118	80364079	1	RH CAM LATCH	
119	91404309	1	EXTERIOR RELEASE DOOR ROD	
120	80384187	3	ROD END RETAINER CLIP	
121	91404310	1	INTERIOR RELEASE DOOR ROD	
122	91404312	1	FOAM, LOWER DOOR	
123	80964051	1	DOOR KEY	
124	70023193	1	LOWER DOOR WELDMENT, (includes hinges)	
201	80364001	11 ft	BULB SEAL	
202	91404324	2	HEX BOLT, 5/16-18X5/8	
203	91334032	2	WASHER	
204	91404323	1	SLAM LATCH	
205	91474492	1	MALE DOOR HOLD-OPEN	
206	91404322	1	UPPER DOOR GLASS	
301	80364009	AR	URETHANE SEALANT	
302	91404302	AR	ACTIVATOR	

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FIGURE 6-4. CAB INTERIOR



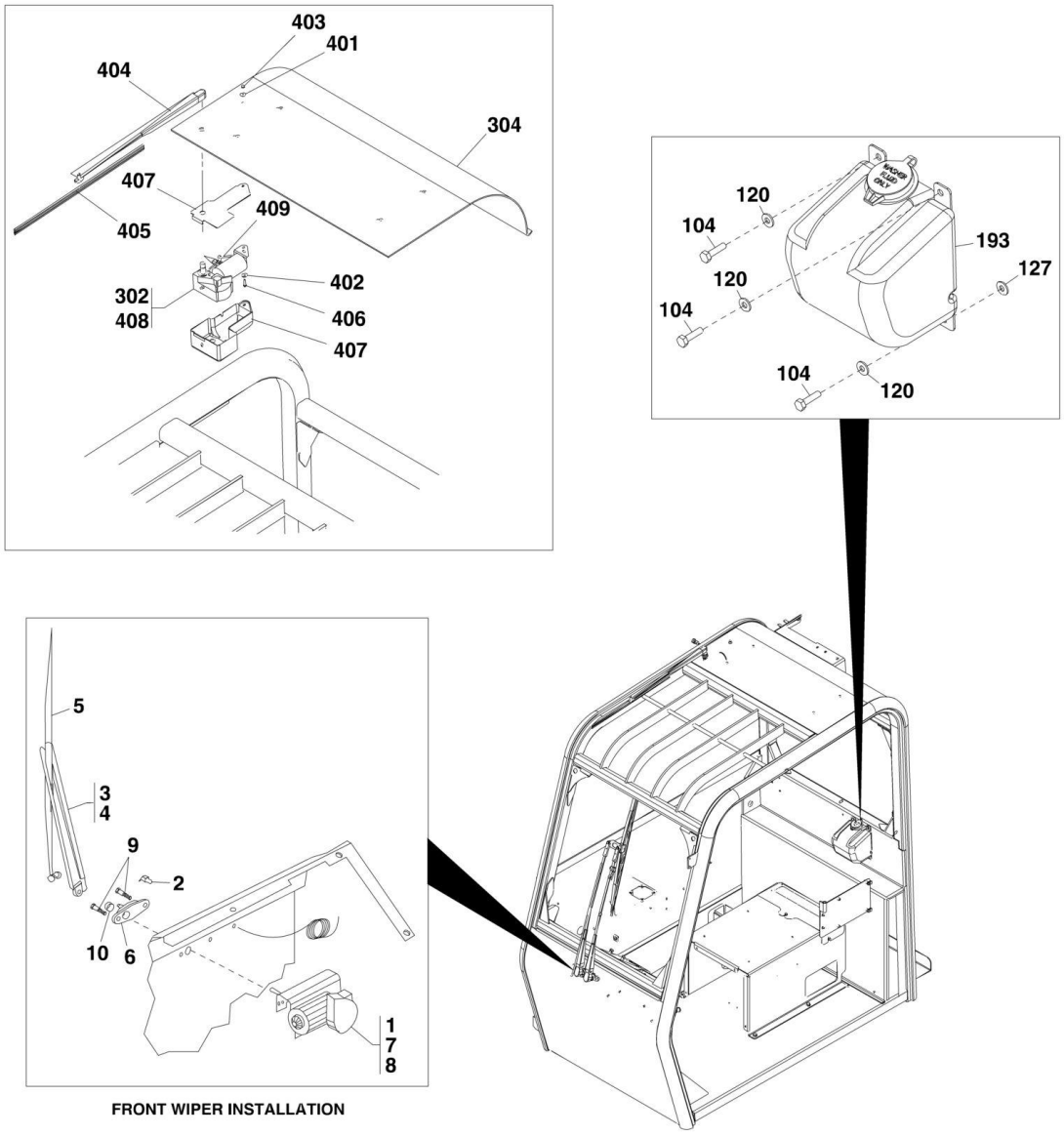
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FIGURE 6-4. CAB INTERIOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
3	0641405	4	HEX HD CAPSCREW, 1/4-20X5/8, GR5	
4	0641408	1	HEX HD CAPSCREW, 1/4-20X1, GR5	
5	0641506	1	HEX HD CAPSCREW, 5/16-18X3/4, GR5	
6	0641508	1	HEX HD CAPSCREW, 5/16-18X1, GR5, (enclosed cab)	
8	0641514	1	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	
11	0791608	2	SCREW, 3/8-16X1	
14	3911410	2	ROUND HD SCREW, 1/4-20X5/8	
17	4751400	4	WASHER, 1/4	
18	4751500	1	WASHER, 5/16	
22	80363034	22	TINNERMAN NUT, #10-24	
25	90200755	32 in	GASKA TAPE	
27	90206198	13 in	TRIM-LOK	
28	91023098	1	WASHER, 5/16, (open cab)	
28	91023098	2	WASHER, 5/16, (enclosed cab)	
31	91163087	2	LOAD CHART BRACKET	
34	91401516	1	DASH BRACE	
35	91401590	1	DASH CLAMP	
38	91413050	1	WASHER, 1/4	
39	91413130	4	HOLE PLUG	
41	91473211	1	DASH, (open cab)	
41	1001103553	1	DASH, (enclosed cab)	
44	91563191	1	RH DASH PANEL **(G6-42A Prior to SN 01600030921; G9-43A Prior to SN 01600056012; G10-43A Prior to SN 01600056167)**	
44	1001156272	1	RH DASH PANEL **(G6-42A SN 01600030921 to Present; G9-43A SN 01600056012 to Present; G10-43A SN 01600056167 to Present)**	
50	1001100322	12	PAN HD SCREW	
51		Ref	DASH INSTRUMENT PANEL AND SWITCHES, (See ELECTRICAL SECTION for Breakdown)	
55	1001108890	1	RH CONSOLE PANEL	
58	1001131130	1	HOLE PLUG	
101	91403316	1	LH DASH PANEL, (G6-42A)	
101	91403324	1	LH BLANK DASH PANEL, (G9-43A)	
101	1001131808	1	LH DASH PANEL, (G10-43A)	
102	1001112717		RH SIDE JOYSTICK PANEL, (G6-42A, if equipped)	
102	1001110799		RH SIDE JOYSTICK PANEL, (G6-42A, if equipped)	
102	1001107828	1	RH SIDE JOYSTICK PANEL, (G9-43A, if equipped)	
102	1001108252	1	RH SIDE JOYSTICK PANEL, (G9-43A, if equipped)	
102	1001110808	1	RH SIDE JOYSTICK PANEL, (G10-43A)	
103	3820020	3	RIVET, (G9-43A, if equipped), (G10-43A)	
104	4711400	3	WASHER, 1/4, (G9-43A, if equipped), (G10-43A)	
105	1001110104	1	ANALYZER MOUNT PLATE, (G9-43A, if equipped), (G10-43A)	

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FIGURE 6-5. WIPER



FRONT WIPER INSTALLATION

Note:

1. USE LOCTITE® 242™ AS NEEDED ON BOLTS & NUTS.
2. USE SEALANT (P/N 14403190) VULKEM SEALANT ON TOP OF CAB AS NEEDED AROUND WIPER MOTOR, SCREW & ROD.

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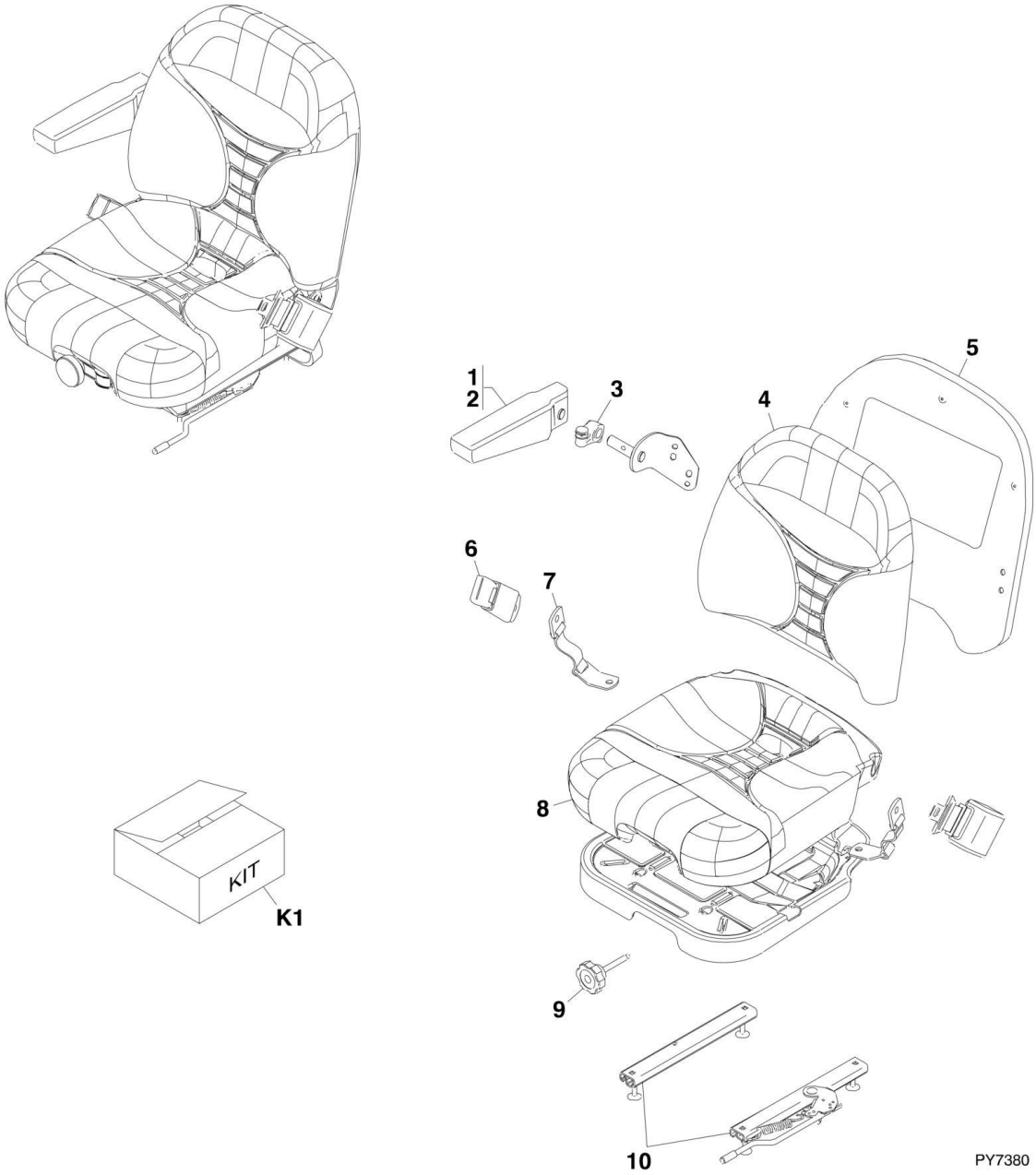
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FIGURE 6-5. WIPER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	80384203	1	WIPER DRIVE ARM	
2	1001081310	1	WET ARM ADAPTER	
3	1001081311	1	WET ARM KIT	
4	1001081308	1	WIPER ARM	
5	80384213	1	WIPER BLADE	
6	1001081307	1	WIPER PIVOT MOUNT	
7	91144478	1	WIPER MOTOR SHAFT AND PIVOT ASSY	
8	91404293	1	WIPER MOTOR ASSY, (includes items 1 & 7)	
8	7029860	1	WIPER MOTOR, 12V	
9	80384207	2	HEX HD CAPSCREW, 1/4-28X3/4	
10	91334035	1	SPACER	
104	0641408	3	HEX HD CAPSCREW, 1/4-20X1, GR5	
120	4711400	3	WASHER, 1/4	
127	4791400	1	STAR WASHER, 1/4	
193	1001111112	1	WINDOW WASHER FLUID TANK, (includes cap)	
	1001139927	Ref	SKYLIGHT WIPER INSTALLATION, (not available to order, see items 301 thru 304 for service)	B
301		Ref	LOCTITE 242	
302	1001111086	1	SKYLIGHT WIPER ASSY, (includes items 401 thru 409)	A
303	14403190	AR	SEALANT	
304	8096D097	48 in	CONDUIT	
401	4740553	1	WASHER, 1/4	
402	8036678	1	WASHER, 1/4	
403	8034805	1	HEX NUT, #10-24	
404	8034807	1	WIPER ARM	
405	8035498	1	WIPER BLADE	
406	8036088	1	HEX BOLT, #10-24X3/4	
407	70020528	1	WIPER COVER	
408	1001107799	1	WIPER MOTOR	
409	1001093828	1	WIPER MOTOR HARNESS	

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FIGURE 6-6. SEAT



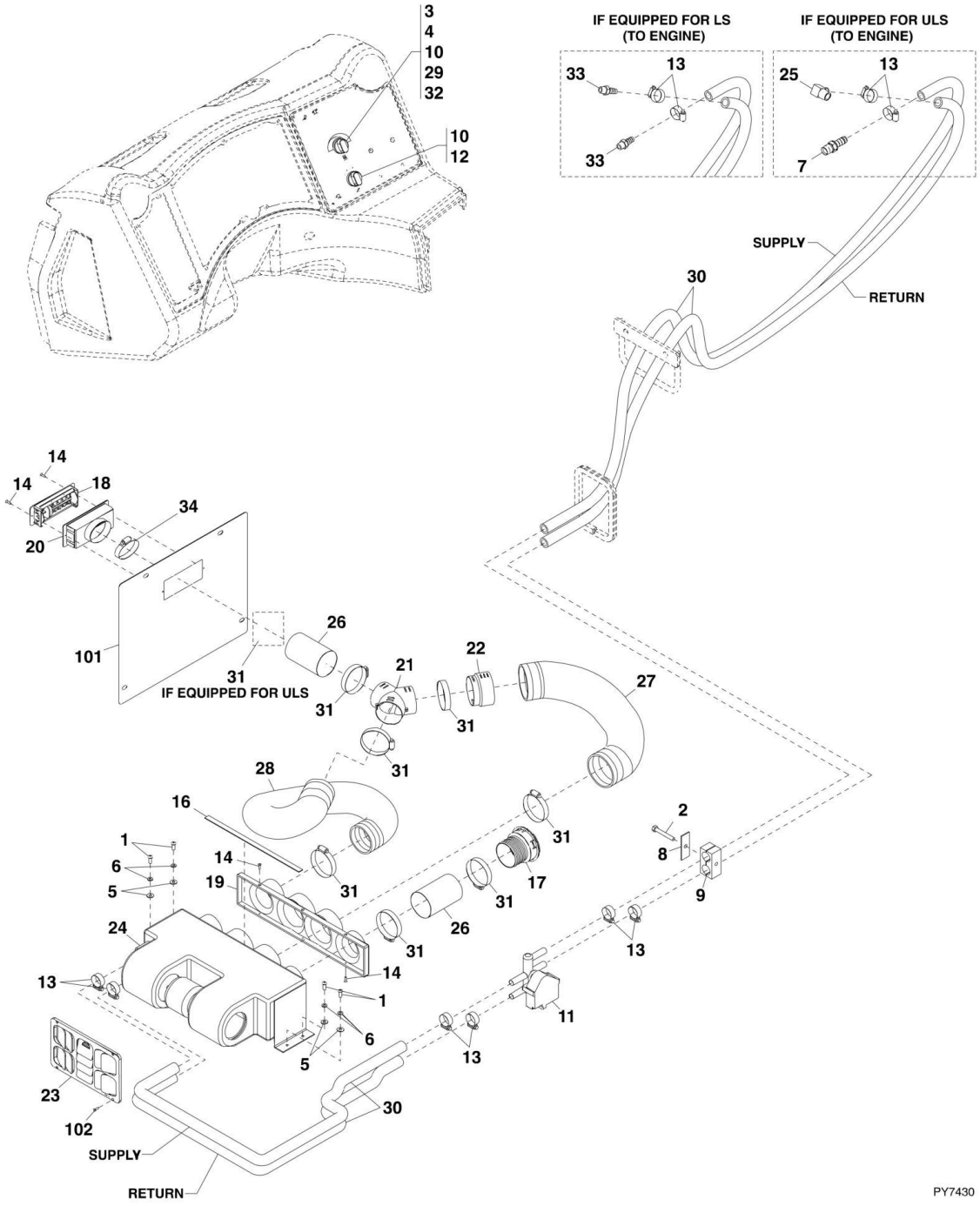
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FIGURE 6-6. SEAT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91563158	1	SUSPENSION SEAT, (includes all items)	F
1	7026904	1	RH ARMREST ASSY KIT, (includes items 2 & 3)	
2	N.S.S.	1	ARMREST, MOLDED KIT	
3	N.S.S.	1	ARMREST STOP ASSY	
4	7026900	1	BACK CUSHION KIT	
5	7026902	1	BACK PANEL KIT	
6	7026905	1	SEAT BELT KIT	
	91563164	1	SEAT BELT, 3IN, (California Only), (not included with 91563158)	
7	7026906	1	TETHER KIT	
8	7026901	1	SEAT CUSHION KIT	
9	7026799	1	KNOB KIT	
10	7026798	1	SLIDE KIT	
K1	70023139	1	SEAT BELT KIT, 3IN, (California only), (includes retractor and female ends)	

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FIGURE 6-7. HEATER INSTALLATION



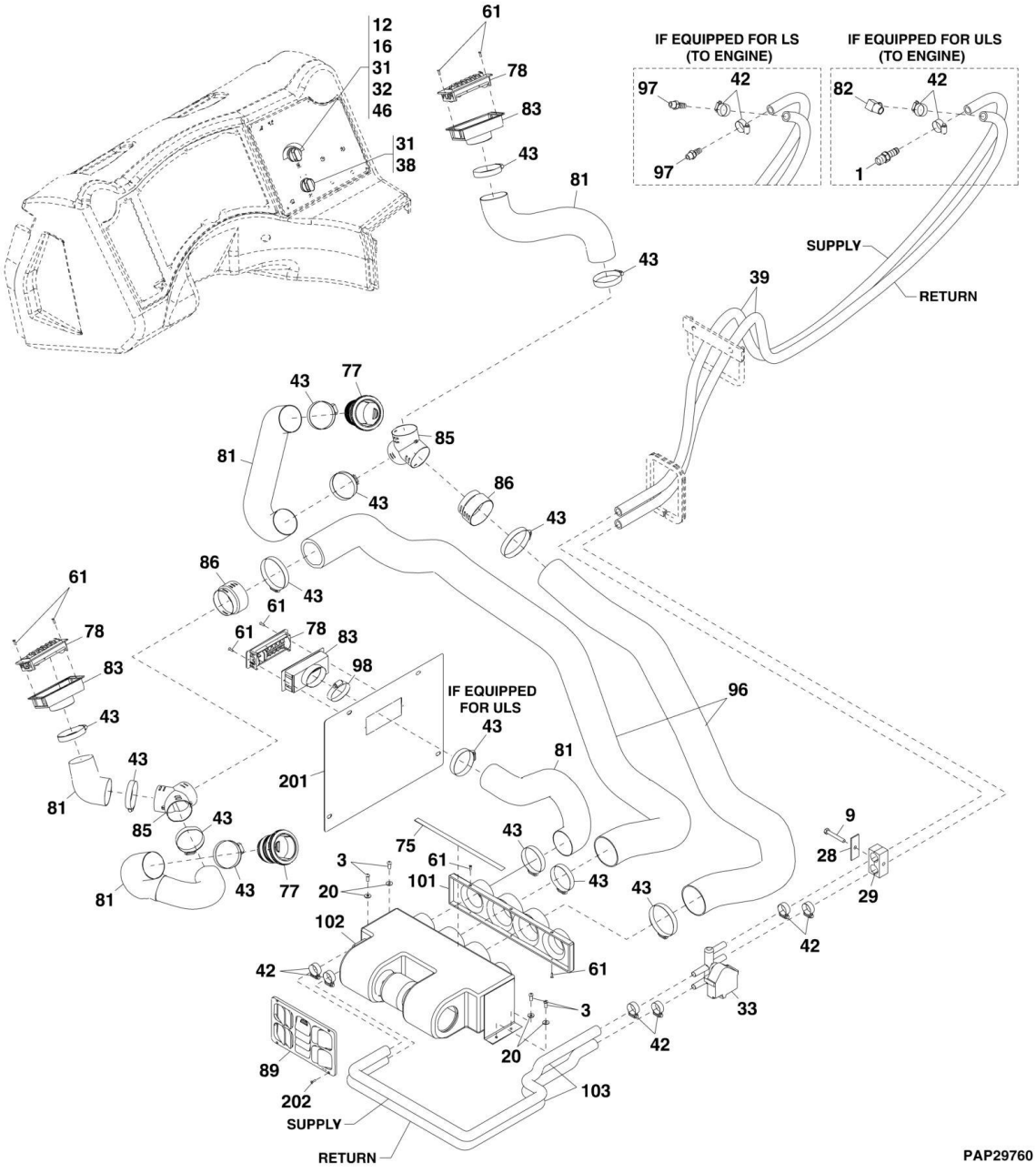
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FIGURE 6-7. HEATER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001133461	Ref	HEATER INSTALLATION, (open cab), (if equipped for ULS), (not available to order, see items 1 thru 32 for service)	A
	1001144772	Ref	HEATER INSTALLATION, (open cab), (if equipped for LS), (not available to order, see items 1 thru 6, 8 thru 24 & 26 thru 34 for service)	A
1	0630407	4	BUTTON HD SCREW, 1/4-20X5/8	
2	0641518	1	HEX HD CAPSCREW, 5/16-18X2-1/4, GR5	
3		Ref	SOCKET HD CAPSCREW, #6-32X0.62, (See ELECTRICAL SECTION for Breakdown)	
4		Ref	HEX NUT, #6-32X0.62, (See ELECTRICAL SECTION for Breakdown)	
5	4711400	4	WASHER, 1/4	
6	4761400	4	LOCKWASHER, 1/4	
7	8430048	1	ADAPTER, (if equipped for ULS)	
8	77133137	1	COVER PLATE	
9	77133279	1	CLAMP SET	
10		Ref	KNOB, (See ELECTRICAL SECTION for Breakdown)	
11	80383231	1	HEATER CONTROL VALVE	
12		Ref	BLOWER SWITCH, (See ELECTRICAL SECTION for Breakdown)	
13	86683193	8	HOSE CLAMP	
14	91413036	8	SCREW, #6X1/2	
15		Ref	ENCLOSED CAB OPTION HARNESS, (not shown), (See ELECTRICAL SECTION for Breakdown)	
16	1001090344	2.7 ft	TAPE	
17	1001100278	1	AIR CONDITIONING VENT	
18	1001100279	1	DEFROST VENT	
19	1001100282	1	BLOWER UNIT COVER	
20	1001101216	1	DEFROST BASE VENT	
21	1001101668	1	CONDUIT	
22	1001101669	1	CONDUIT	
23		Ref	RETURN AIR VENT, (See CAB INSTALLATION for Breakdown)	
24	1001114282	1	3 SPEED HEATER ASSY	
25	1001135035	1	ADAPTER, 90, (if equipped for ULS)	
26	1001100446	11 in	VENT HOSE	
27	1001100447	1.4 ft	HOSE	
28	71492152	30 in	AIR HOSE, (if equipped for ULS)	
	71492152	47 in	AIR HOSE, (if equipped for LS)	
29		Ref	POTENTIOMETER ASSY, (See ELECTRICAL SECTION for Breakdown)	
30	82033995	13.8 ft	HOSE, (if equipped for ULS)	
	82033995	19.3 ft	HOSE, (if equipped for LS)	
31	86883328	8	HOSE CLAMP, (if equipped for ULS)	
	86883328	7	HOSE CLAMP, (if equipped for LS)	
32		Ref	CLIP, (See ELECTRICAL SECTION for Breakdown)	
33	2220806	2	STRAIGHT FITTING, (if equipped for LS)	
34	84231107	1	HOSE CLAMP, (if equipped for LS)	
101		Ref	SEAT RISER PANEL, (See CAB INSTALLTION for Breakdown)	
102		Ref	SCREW, #6X1/2, (See CAB INSTALLTION for Breakdown)	

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FIGURE 6-8. HEATER INSTALLATION



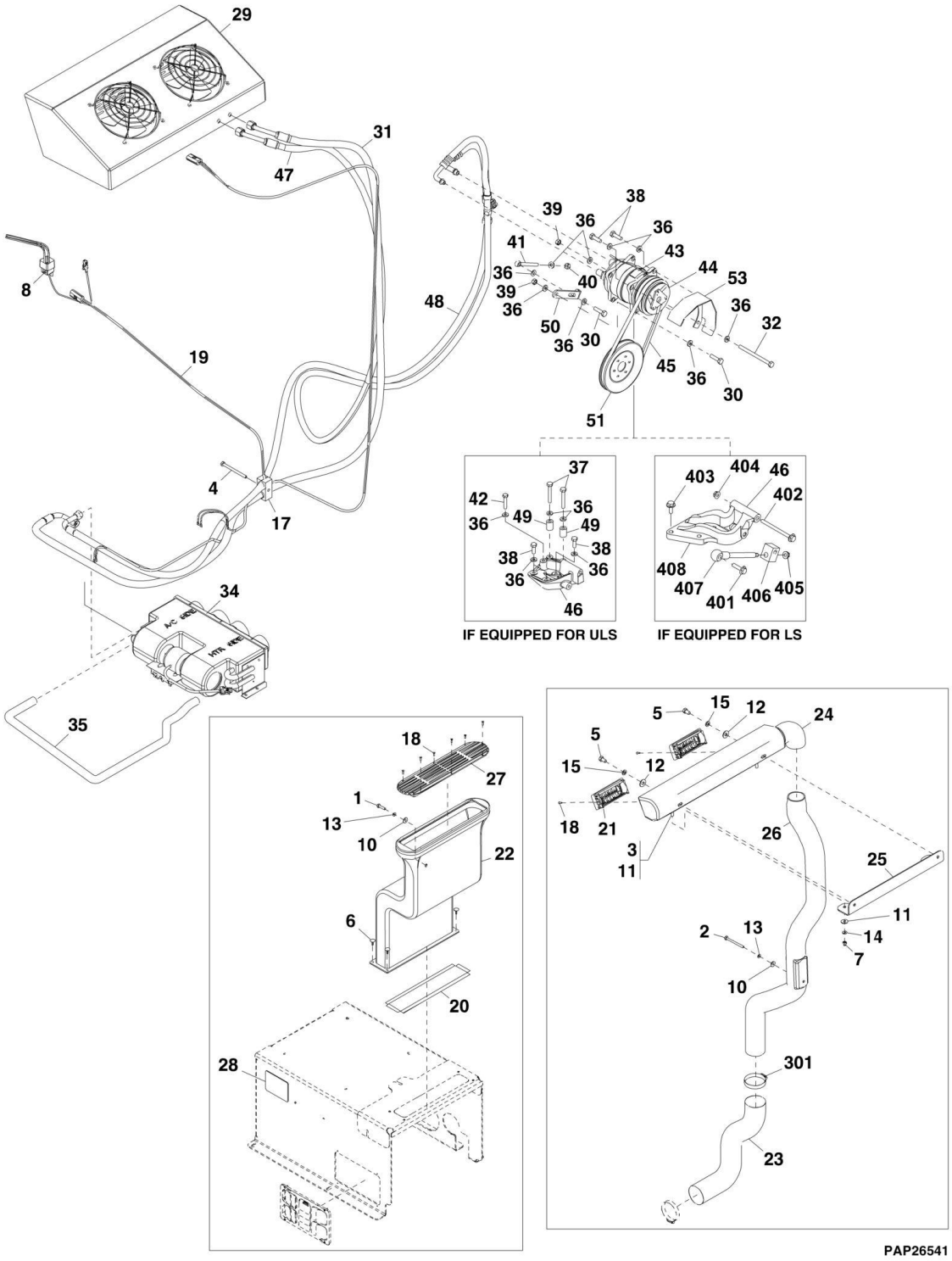
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FIGURE 6-8. HEATER INSTALLATION

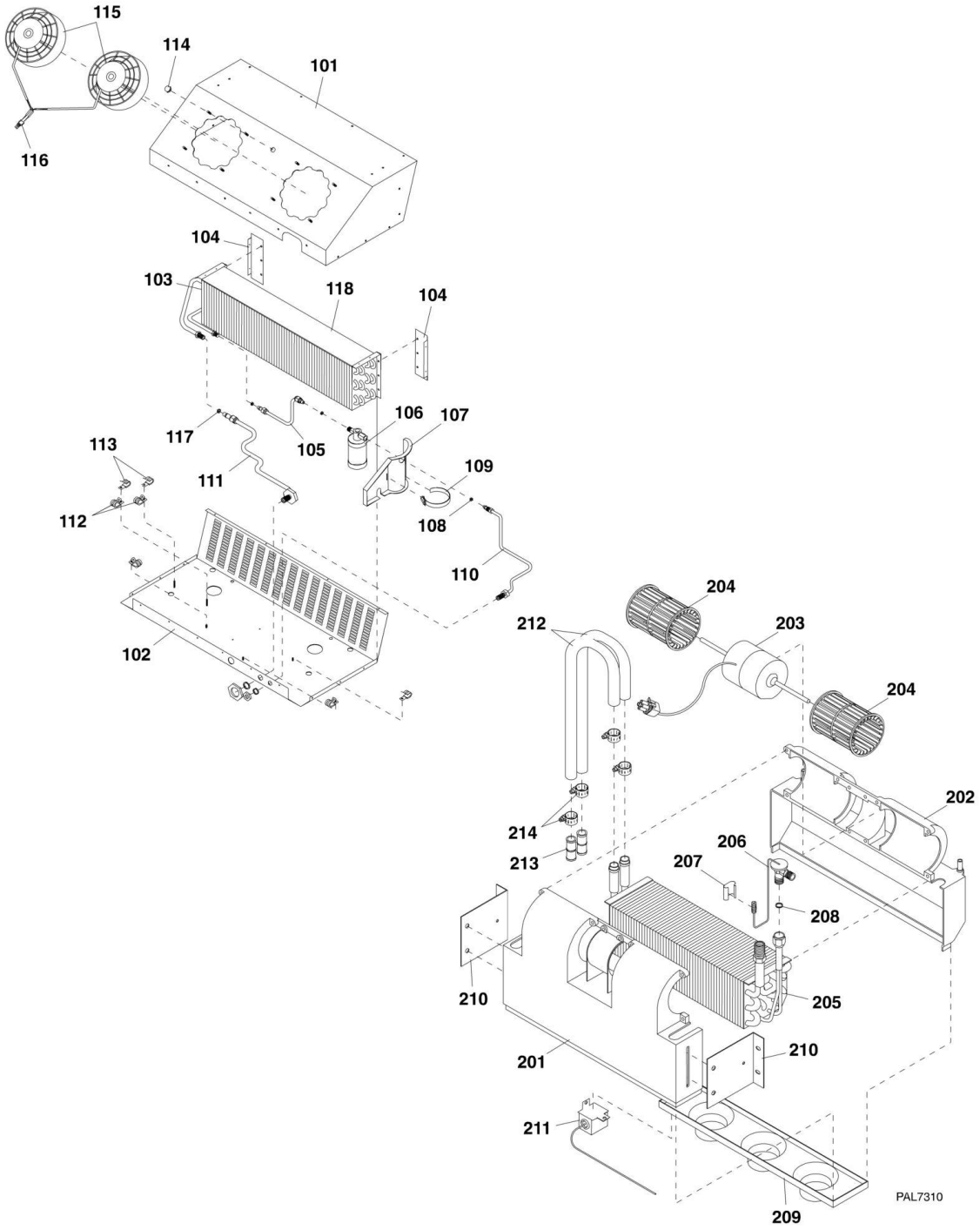
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131977	Ref	HEATER INSTALLATION, (enclosed cab), (if equipped for ULS), (not available to order, see items 1 thru 96 for service)	G
	1001139634	Ref	HEATER INSTALLATION, (enclosed cab), (if equipped for LS), (not available to order, see items 3 thru 81 & 83 thru 98 for service)	F
1	8430048	1	ADAPTER, (if equipped for ULS)	
3	0641405	4	HEX HD CAPSCREW, 1/4-20X5/8	
9	0641518	1	HEX HD CAPSCREW, 5/16-18X2-1/4, GR5	
12		Ref	SOCKET HD CAPSCREW, #6-32X0.62, (See ELECTRICAL SECTION for Breakdown)	
16		Ref	HEX NUT, #6-32X0.62, (See ELECTRICAL SECTION for Breakdown)	
20	4711400	4	WASHER, 1/4	
28	77133137	1	COVER PLATE	
29	77133279	1	CLAMP SET	
31		Ref	KNOB, (See ELECTRICAL SECTION for Breakdown)	
32		Ref	POTENTIOMETER ASSY, (See ELECTRICAL SECTION for Breakdown)	
33	80383231	1	HEATER CONTROL VALVE	
38		Ref	BLOWER SWITCH, (See ELECTRICAL SECTION for Breakdown)	
39	82033995	102 in	HOSE, (if equipped for ULS)	
39	82033995	168 in	HOSE, (if equipped for LS)	
40	82033997	132 in	WASHER FLUID HOSE, (not shown)	
42	86683193	8	HOSE CLAMP	
43	86883328	13	HOSE CLAMP	
46		Ref	CLIP, (See ELECTRICAL SECTION for Breakdown)	
61	91413036	12	SCREW, #6X1/2	
69		Ref	ENCLOSED CAB OPTION HARNESS, (not shown), (See ELECTRICAL SECTION for Breakdown)	
77	1001100278	3	AIR CONDITIONING VENT	
78	1001100279	3	DEFROST VENT	
81	1001100446	74 in	VENT HOSE, (if equipped for ULS)	
81	1001100446	67 in	VENT HOSE, (if equipped for LS)	
82	1001135035	1	ADAPTER, 90, (if equipped for ULS)	
83	1001101216	3	DEFROST BASE VENT	
85	1001101668	2	CONDUIT	
86	1001101669	2	CONDUIT	
89		Ref	RETURN AIR VENT, (See CAB INSTALLATION for Breakdown)	
96	1001100447	122 in	HOSE, (if equipped for ULS)	
96	1001100447	148 in	HOSE, (if equipped for LS)	
97	2220806	2	STRAIGHT FITTING, (if equipped for LS)	
98	84231107	3	HOSE CLAMP, (if equipped for ULS)	
	84231107	1	HOSE CLAMP, (if equipped for LS)	
101	1001100282	1	BLOWER UNIT COVER	
102	1001114282	1	3 SPEED HEATER ASSY	
103	82033995	64 in	HOSE	
201		Ref	SEAT RISER PANEL, (See CAB INSTALLATION for Breakdown)	
202		Ref	SCREW, #6X1/2, (See CAB INSTALLATION for Breakdown)	

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FIGURE 6-9. AIR CONDITIONING INSTALLATION



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FIGURE 6-9. AIR CONDITIONING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131979	Ref	AIR CONDITIONING INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 53 for service)	J
	1001139643	Ref	AIR CONDITIONING INSTALLATION, (if equipped for LS), (not available to order, see items 1 thru 8, 10 thru 36, 39, 43 thru 48 & 51 thru 53 for service)	H
1	0641408	1	HEX HD CAPSCREW, 1/4-20X1	
2	0641424	1	HEX HD CAPSCREW, 1/4-20X3	
3	0641507	2	HEX HD CAPSCREW, 5/16-18X7/8	
4	0641532	1	HEX HD CAPSCREW, 5/16-18X4	
5	0641605	2	HEX HD CAPSCREW, 3/8-16X5/8	
6	1380158	4	PANEL RETAINER CLIP	
7	2080063	2	LOCKNUT FASTENER, 1/4-20	
8	3740080	1	WEATHER PROOF RELAY	
9	4240033	5	WIRE TIE, (not shown), (if equipped for ULS)	
10	4711400	2	WASHER, 1/4	
11	4751500	4	WASHER, 5/16	
12	4751600	2	WASHER, 3/8	
13	4761400	2	LOCKWASHER, 1/4	
14	4761500	2	LOCKWASHER, 5/16	
15	4761600	2	LOCKWASHER, 3/8	
17	77323029	1	CLAMP SET	
18	91413036	10	SCREW, #6X1/2	
19		Ref	A/C HARNESS, (not shown), (See ELECTRICAL SECTION for Breakdown)	
20	1001090344	28 in	NEOPRENE TAPE, 1/16X1/2	
21	1001100279	2	DEFROST VENT	
22	1001100281	1	MAIN SUCTION VENT	
23	1001100446	20 in	HOSE ASSY	
24	1001100770	1	TUBE	
25	1001100773	1	BRACKET	
26	1001101259	1	TUBE	
27	1001101640	1	SUCTION VENT FILTER	
28		Ref	A/C TEMPERATURE DECAL, (See DECALS SECTION for Breakdown)	
29	1001107340	1	A/C OVERHEAD CONDENSER, (includes items 101 thru 122)	A
30	0701016	2	HEX HD CAPSCREW, M10X40, GR8.8, (if equipped for ULS)	
30	0701020	1	HEX HD CAPSCREW, M10X60, GR8.8, (if equipped for LS)	
31	1001107428	1	HOSE ASSY	
32	0711031	1	HEX HD CAPSCREW, M10X140, GR10.9, (if equipped for ULS)	
32	0701031	1	HEX HD CAPSCREW, M10X140, GR8.8, (if equipped for LS)	
33		Ref	ENCLOSED CAB, (not shown), (See CAB ASSEMBLY for Breakdown)	
34	1001142350	1	HEATER AND A/C ASSY, 3 SPEED, (includes items 201 thru 225)	B
35	82033995	28 in	HEATER HOSE, 5/8	
36	4891600	15	WASHER, 3/8, (if equipped for ULS)	
36	4891600	6	WASHER, 3/8, (if equipped for LS)	
37	0701022	2	HEX HD CAPSCREW, M10X70, GR8.8, (if equipped for ULS)	
38	0761014	5	HEX HD CAPSCREW, M10X30, GR8.8, (if equipped for ULS)	
38	0761014	2	HEX HD CAPSCREW, M10X35, GR8.8, (if equipped for LS)	
39	8305038	2	HEX NUT, M10X1-1/2	
40	3291007	1	HEX LOCKNUT, M10X1-1/2, (if equipped for ULS)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	8310737	1	ROD END, (if equipped for ULS)	
42	8310748	1	HEX HD CAPSCREW, M10X50, GR8.8, (if equipped for ULS)	
43	1001093526	1	A/C REFRIGERANT DECAL	
44	1001107339	1	A/C COMPRESSOR CLUTCH	
45	1001130379	1	BELT, (if equipped for ULS)	
45	1001138998	1	BELT, (if equipped for LS)	
46	1001133435	1	A/C COMPRESSOR BRACKET, (if equipped for ULS)	E
46	1001139646	1	A/C COMPRESSOR BRACKET, (if equipped for LS), (includes items 401 to 408)	B
47	1001135649	1	HOSE ASSY	
48	1001135657	1	HOSE ASSY	
49	1001135662	2	FUEL FILTER SPACER TUBE, (if equipped for ULS)	
50	1001135664	1	A/C ADJUST PLATE, (if equipped for ULS)	
51	1001136771	1	A/C DRIVE PULLEY, (if equipped for ULS)	
51	1001120544	1	A/C DRIVE PULLEY, (if equipped for LS)	
53	1001140255	1	A/C COMPRESSOR SHIELD	
101	70020643	1	CASE TOP	
102	70022880	1	CASE BOTTOM	
103	70020644	1	COIL	
104	70022881	2	BRACKET	
105	91514270	1	TUBE ASSY	
106	91514266	1	DRIER	
107	70022882	1	BRACKET	
108	80363102	3	O-RING	
109	70022883	1	CLAMP	
110	70020645	1	TUBE ASSY	
111	70020646	1	TUBE ASSY	
112	70022884	4	CLAMP	
113	70022885	3	CLAMP	
114	70022886	1	PLUG	
115	91514295	2	FAN	
116	70020647	1	FAN HARNESS	
117	80363103	1	O-RING	
118	70022891	2 ft	FOAM	
120	70022890	4	BOLT, 3/8-16X1-3/4, (not shown)	
121	70022888	4	WASHER, 3/8, (not shown)	
122	70022889	4	LOCKWASHER, 3/8, (not shown)	
201	70022552	1	CASE TOP	
202	70022553	1	CASE BOTTOM	
203	70022805	1	BLOWER MOTOR	
204	70023108	2	BLOWER WHEEL	
205	70022876	1	HEATER/COOLER COIL	
206	91514272	1	VALVE	
207	70022877	1	CLAMP	
208	80363103	1	O-RING	
209	N.S.S.	1	3 HOLE TOP	
210	N.S.S.	2	LEG	
211	N.S.S.	1	THERMOSTAT	
212	N.S.S.	2	HOSE	
213	N.S.S.	2	HEATER SPLICE	
214	70022879	4	CLAMP	
215	70022555	1	ARM RESTRICTER, (not shown)	

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SECTION 6 - CAB

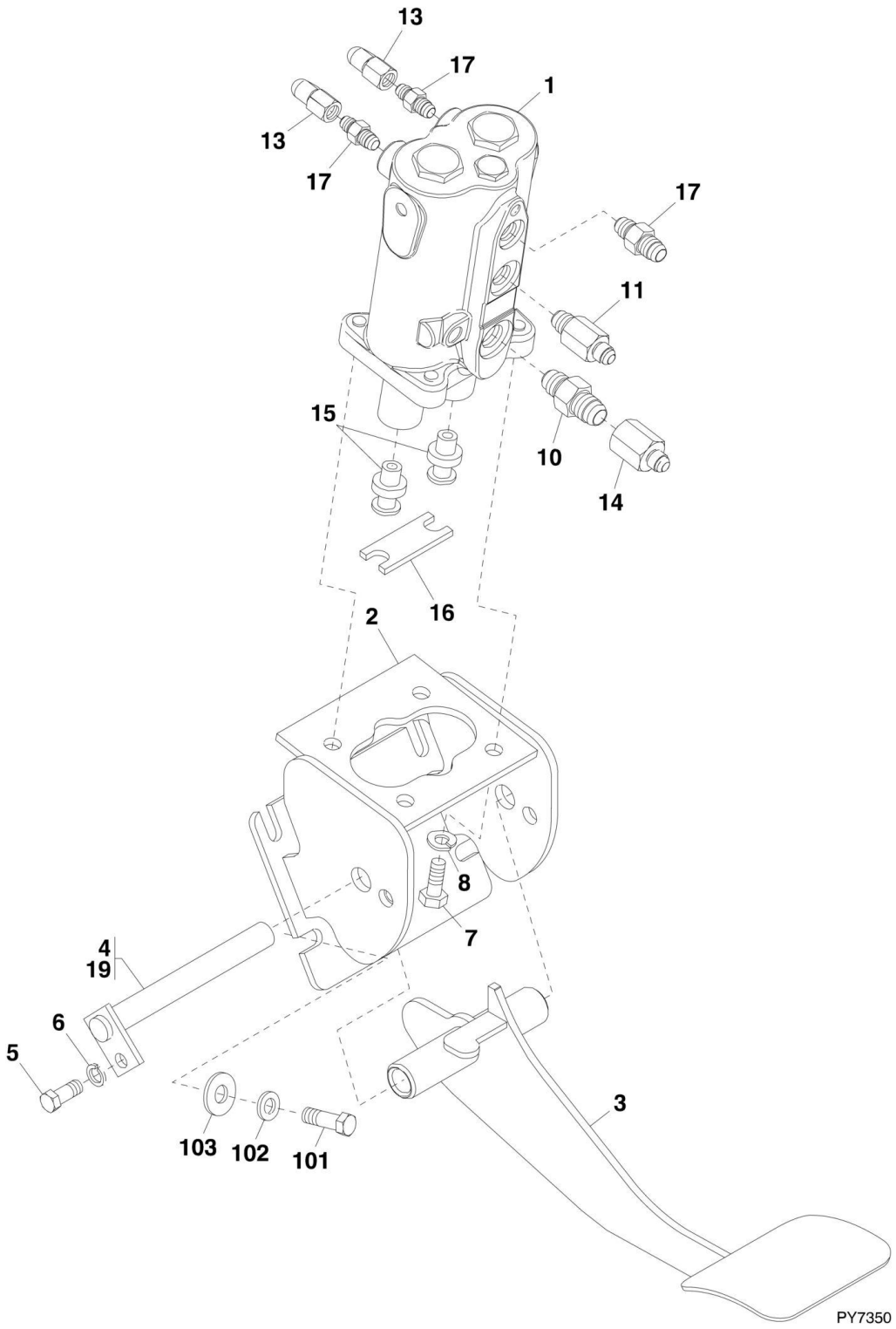
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
216	91514296	1	METRO SWITCH, (not shown)	
217	70020640	1	12V RELAY, (not shown)	
218	70022556	3 ft	HOSE, (not shown)	
219	70022557	1	DRAIN ELBOW, 3/8, (not shown)	
220	70022558	1	DRAIN TEE, 3/8, (not shown)	
221	80363099	1	PRESSURE SWITCH, (not shown)	
301	86883328	1	CLAMP	
401	1001148770	2	HEX HD CAPSCREW	
402	1001148771	1	HEX HD CAPSCREW	
403	1001148772	4	HEX HD CAPSCREW	
404	1001148773	2	HEX HD NUT	
405	1001148774	1	HEX HD NUT	
406	1001148775	1	ADJUSTING END LINK	
407	1001148776	1	ADJUSTING LINK	
408	1001148778	1	REF COMPRESSOR SUPPORT	

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SECTION 7 - CONTROLS

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FIGURE 7-1. BRAKE



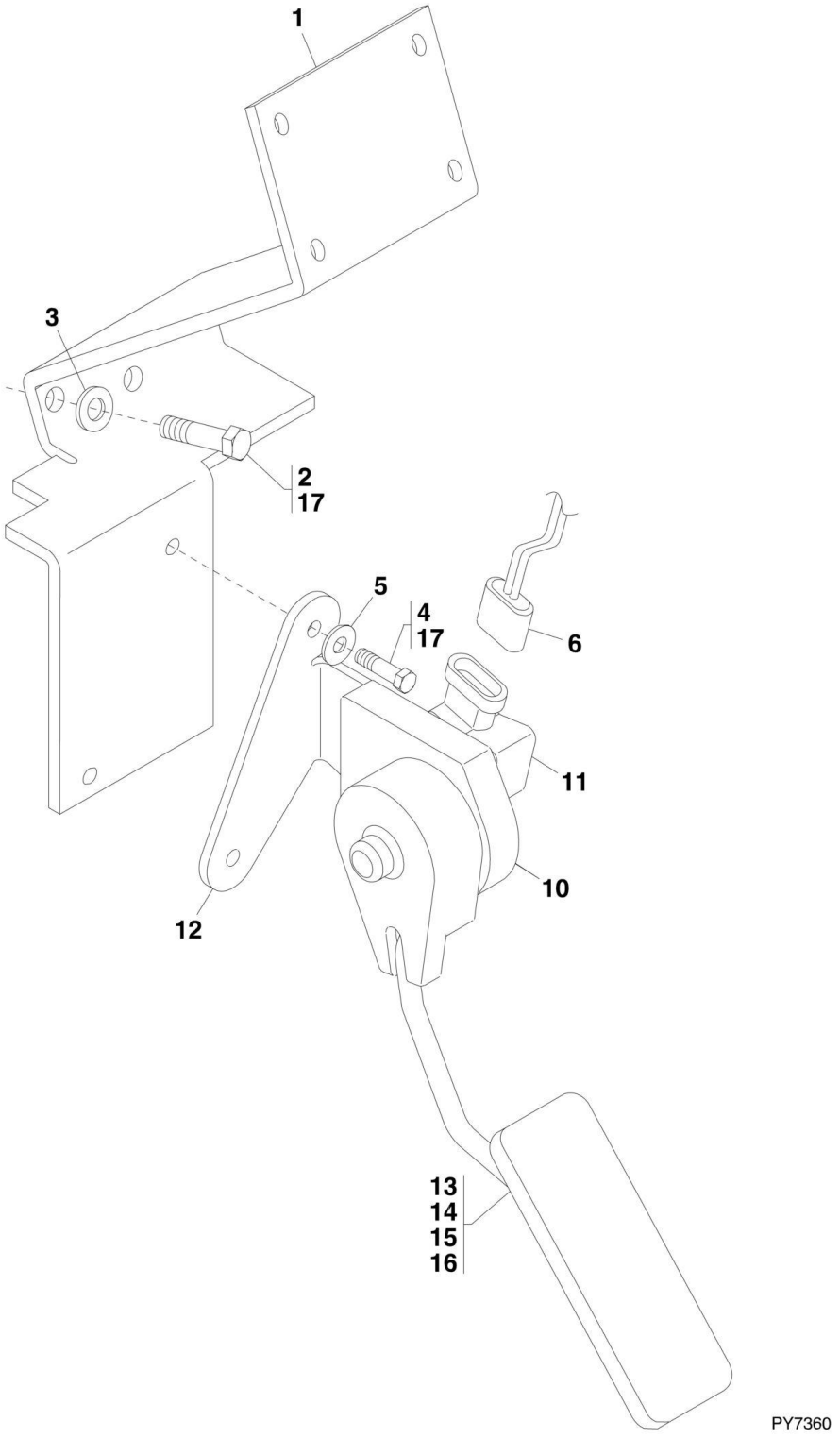
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FIGURE 7-1. BRAKE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091173	Ref	BRAKE INSTALLATION, (not available to order, see items 1 thru 19 for service)	F
1		Ref	BRAKE VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	1001091118	1	BRACKET	
3	1001090741	1	PEDAL	
4	91476031	1	PIN	
5	0641608	1	HEX HD CAPSCREW, 3/8-16X1, GR5	
6	4761600	1	LOCKWASHER, 3/8	
7	0701014	4	HEX HD CAPSCREW, M10X30, GR8.8	
8	4832000	4	LOCKWASHER, 10mm	
10	2221257	1	STRAIGHT FITTING, (includes o-ring)	
11	8770258	1	STRAIGHT FITTING, (includes o-ring)	
13	2172106	2	ADAPTER, 90, (swivel nut)	
14	2221244	1	REDUCER ADAPTER, (includes o-ring)	
15	91513180	2	ACTUATOR	
16	91511145	1	TIE BAR	
17	2144605	3	STRAIGHT FITTING, (includes o-ring)	
19	3020039	AR	MOLY PASTE	
101	0641508	4	HEX HD CAPSCREW, 5/16-18X1	
102	4761500	4	LOCKWASHER, 5/16	
103	4751500	4	WASHER, 5/16	

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FIGURE 7-2. ACCELERATOR



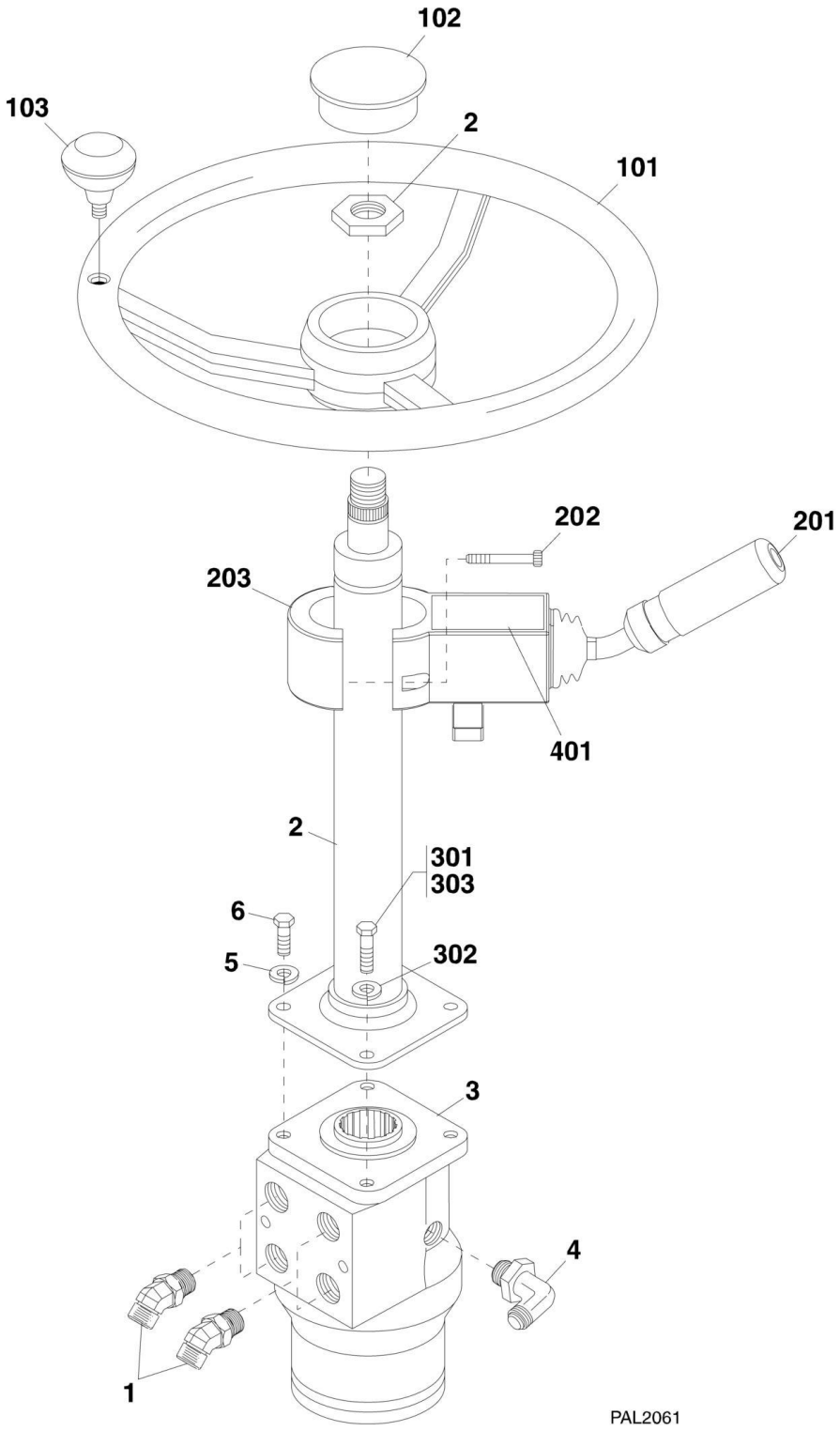
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FIGURE 7-2. ACCELERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91561192	1	BRACKET	
2	0641508	2	HEX HD CAPSCREW, 5/16-18X1, GR5, (torque to 17 lb-ft/23 Nm)	
3	4711500	2	WASHER, 5/16	
4	0641408	2	HEX HD CAPSCREW, 1/4-20X1, GR5, (torque to 96 lb-ft/130 Nm)	
5	4711400	2	WASHER, 1/4	
6		Ref	ENGINE HARNESS, (See ELECTRICAL SECTION for Breakdown)	
10	1001090003	1	PEDAL, (includes items 11 thru 16)	C
11	7029908	1	SENSOR KIT, (includes screws)	
12	N.S.S.	1	BRACKET	
13	70023325	1	PEDAL KIT, (includes items 14 & 16)	
14	N.S.S.	1	PEDAL SPRING	
15	7026481	1	PEDAL ARM	
16	N.S.S.	1	PEDAL PIN	
17	0100011	AR	LOCTITE 242	

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FIGURE 7-3. STEERING COLUMN



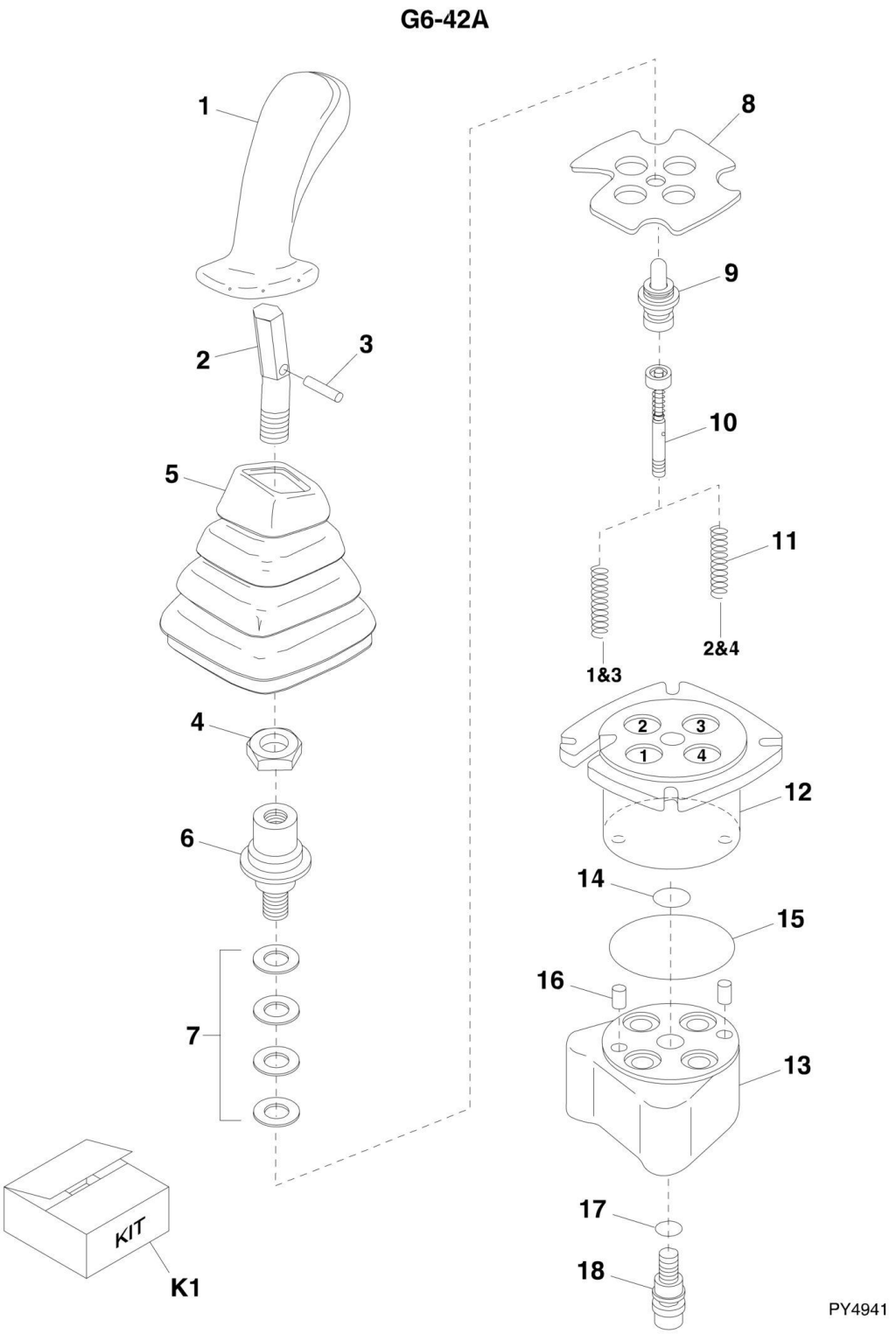
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FIGURE 7-3. STEERING COLUMN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001001213	1	STEERING CONTROL ASSY, (includes items 1 thru 6)	A
1	2150808	4	ELBOW, 45, (includes o-ring)	
2	91513125	1	STEERING COLUMN	
2	70020923	1	STEERING WHEEL NUT, (torque to 29-34 lb-ft/39-46 Nm)	
3	91123126	1	STEERING CONTROL VALVE	
3	91144190	1	STEERING CONTROL VALVE SEAL KIT	
4	2130404	1	ADAPTER, 90, (includes o-ring)	
5	4761600	2	LOCKWASHER	
6	0641606	2	HEX HD CAPSCREW, 3/8-16X3/4, GR5	
101	91563208	1	STEERING WHEEL, (includes items 102 & 103)	
102	7026477	1	CENTER CAP	
103	7026478	1	SPINNER KNOB	
201	91563226	1	F-N-R SHIFTER, (includes items 202 & 203)	
202	N.S.S.	1	HEX HD CAPSCREW, (torque to 30-35 lb-ft/41-47 Nm)	
203	N.S.S.	1	CLAMP SET	
301	0641608	2	HEX HD CAPSCREW, 3/8-16X1, GR5	
302	4761600	2	LOCKWASHER, 3/8	
303	0100011	AR	LOCTITE 242	
401		Ref	SHIFTER DECAL, (See DECALS SECTION for Breakdown)	

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FIGURE 7-4. BOOM JOYSTICK G6-42A



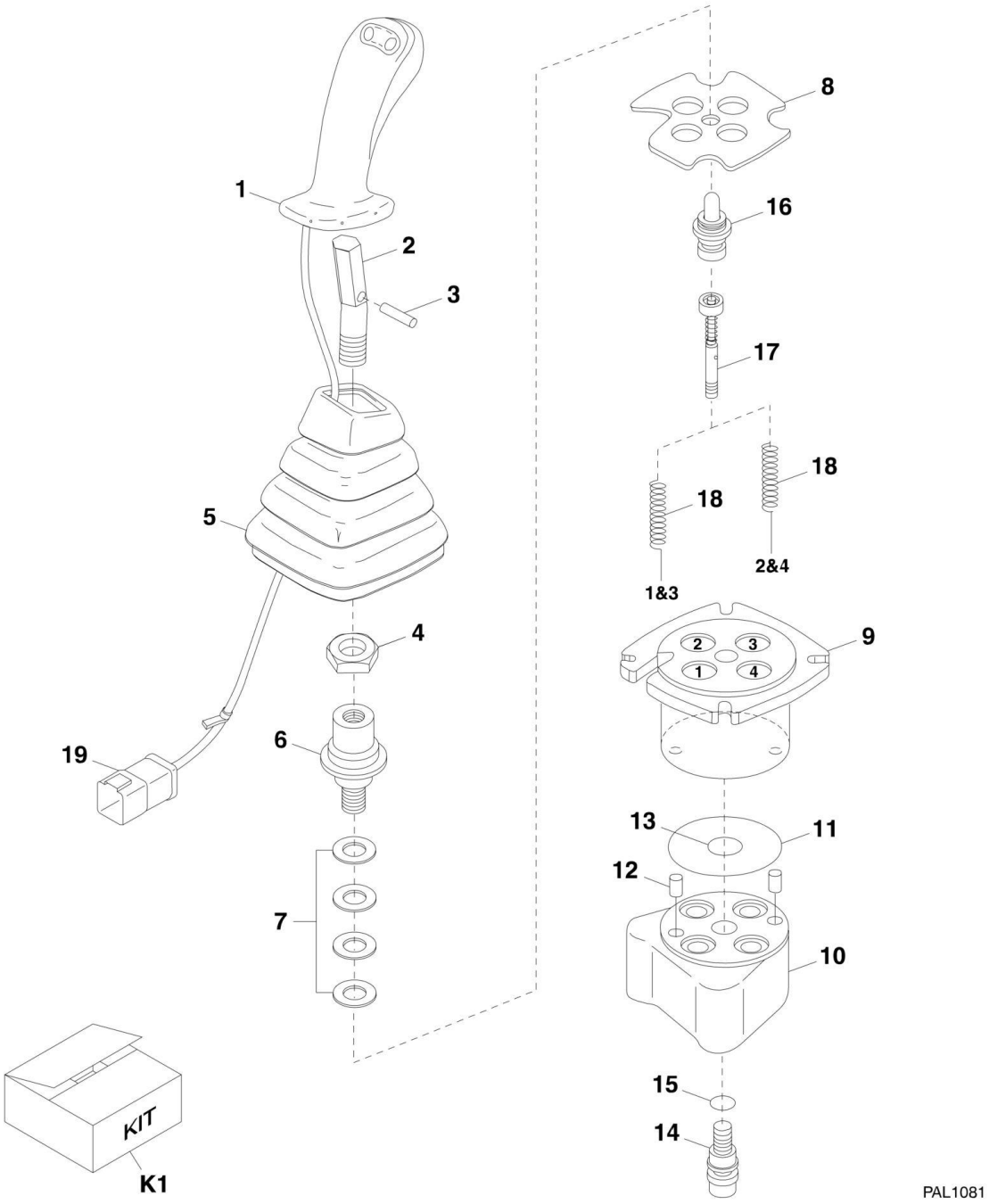
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FIGURE 7-4. BOOM JOYSTICK G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91403490	Ref	JOYSTICK ASSY, (G6-42A), (if equipped), (includes all items)	A
1	91404010	1	GRIP	
2	91404011	1	BENT LEVER KIT, (includes items 3 & 4)	
3	N.S.S.	1	SPRING PIN	
4	N.S.S.	1	HEX NUT	
5	80364095	1	BOOT	
6	80264138	1	CARDAN KIT, (includes item 7)	
7	N.S.S.	1	SHIM	
8	91404013	1	RETAINING PLATE	
9	80934498	4	PLUNGER AND GUIDE KIT	
10	91404327	4	REGULATING UNIT	
11	91504028	1	SPRING, (ports 1 & 3), (pack of two)	
	91504029	1	SPRING, (ports 2 & 4), (pack of two)	
12	91404016	1	UPPER BODY, (includes item 13)	
13	N.S.S.	1	LOWER BODY	
14	Kit K1	1	O-RING	
15	Kit K1	1	O-RING	
16	Kit K1	2	DOWEL PIN	
17	Kit K1	1	O-RING	
18	Kit K1	1	SCREW ASSY	
K1	91404326	AR	SEAL KIT, (includes items 14 thru 18)	

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FIGURE 7-5. BOOM JOYSTICK G6-42A



NOTE: THE JOYSTICK HANDLE SWITCH IS NOT A FIELD SERVICEABLE COMPONENT. ANY ATTEMPT BY NON-FACTORY AUTHORIZED PERSONNEL TO REPAIR OR REPLACE THE SWITCH WILL VOID THE WARRANTY AND CAN RESULT IN A JOYSTICK MALFUNCTION.

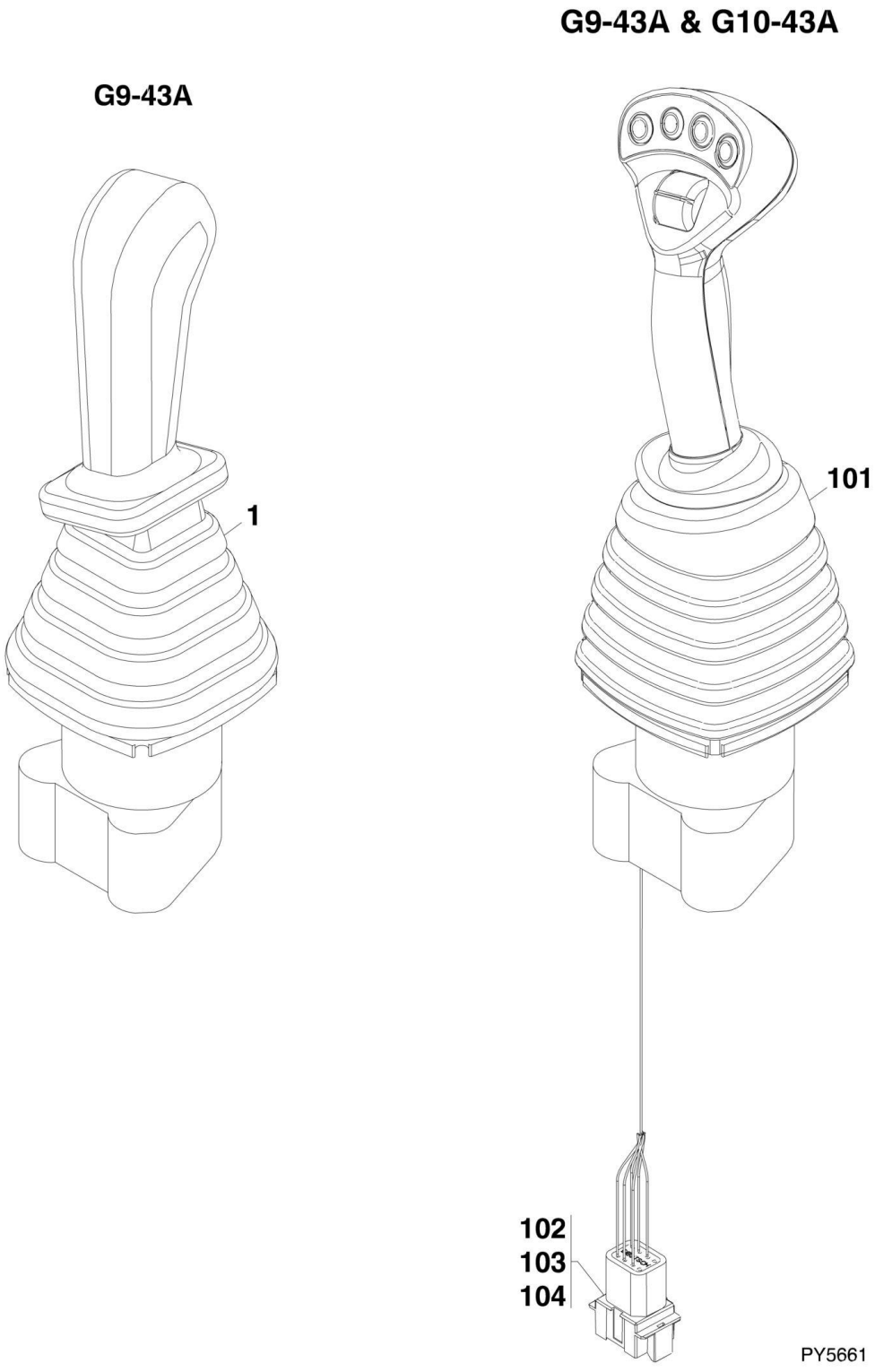
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FIGURE 7-5. BOOM JOYSTICK G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91403491	Ref	BOOM JOYSTICK W/TILT, (G6-42A), (if equipped), (includes all items)	A
1	91404325	1	HANDLE W/WIRE AND CONNECTOR	
2	91404011	1	BENT LEVER KIT, (includes items 3 & 4)	
3	N.S.S.	1	SPRING PIN	
4	N.S.S.	1	HEX NUT	
5	80364095	1	BOOT	
6	80264138	1	CARDAN KIT, (includes item 7)	
7	N.S.S.	AR	SHIM	
8	91404013	1	RETAINING PLATE	
9	91404016	1	UPPER BODY, (includes item 10)	
10	N.S.S.	1	LOWER BODY	
11	Kit K1	1	O-RING	
12	Kit K1	2	DOWEL PIN	
13	Kit K1	1	O-RING	
14	Kit K1	1	SCREW ASSY	
15	Kit K1	1	O-RING	
16	80934498	4	PLUNGER AND GUIDE KIT	
17	91404327	4	REGULATING UNIT	
18	91504028	1	SPRING, (ports 1 & 3), (pack of two)	
18	91504029	1	SPRING, (ports 2 & 4), (pack of two)	
19	80264139	1	GROMMET W/CABLE TIE KIT	
K1	91404326	AR	SEAL KIT, (includes items 11 thru 15)	

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FIGURE 7-6. BOOM JOYSTICK



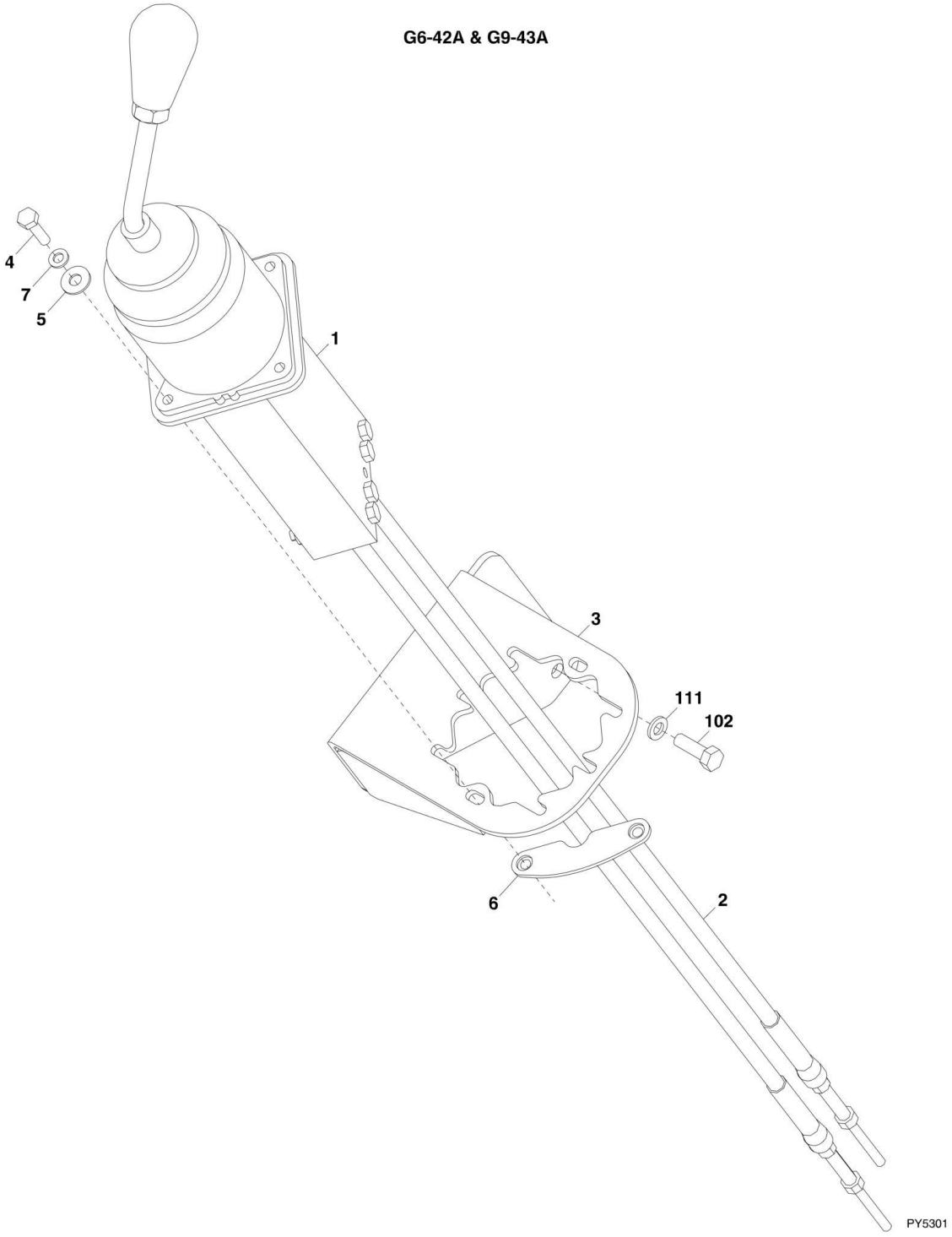
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FIGURE 7-6. BOOM JOYSTICK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001130050	1	BOOM JOYSTICK, (G9-43A, if equipped)	A
101	1001130045	1	BOOM JOYSTICK WITH TILT, (G9-43A, if equipped), (G10-43A), (includes items 102 thru 104)	B
102	70023500	1	CONNECTOR	
102	70023499	1	WEDGE LOCK	
103	4460917	6	TERMINAL	
104	4460518	2	PLUG	

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FIGURE 7-7. TILT AND FRAME LEVEL JOYSTICK INSTALLATION



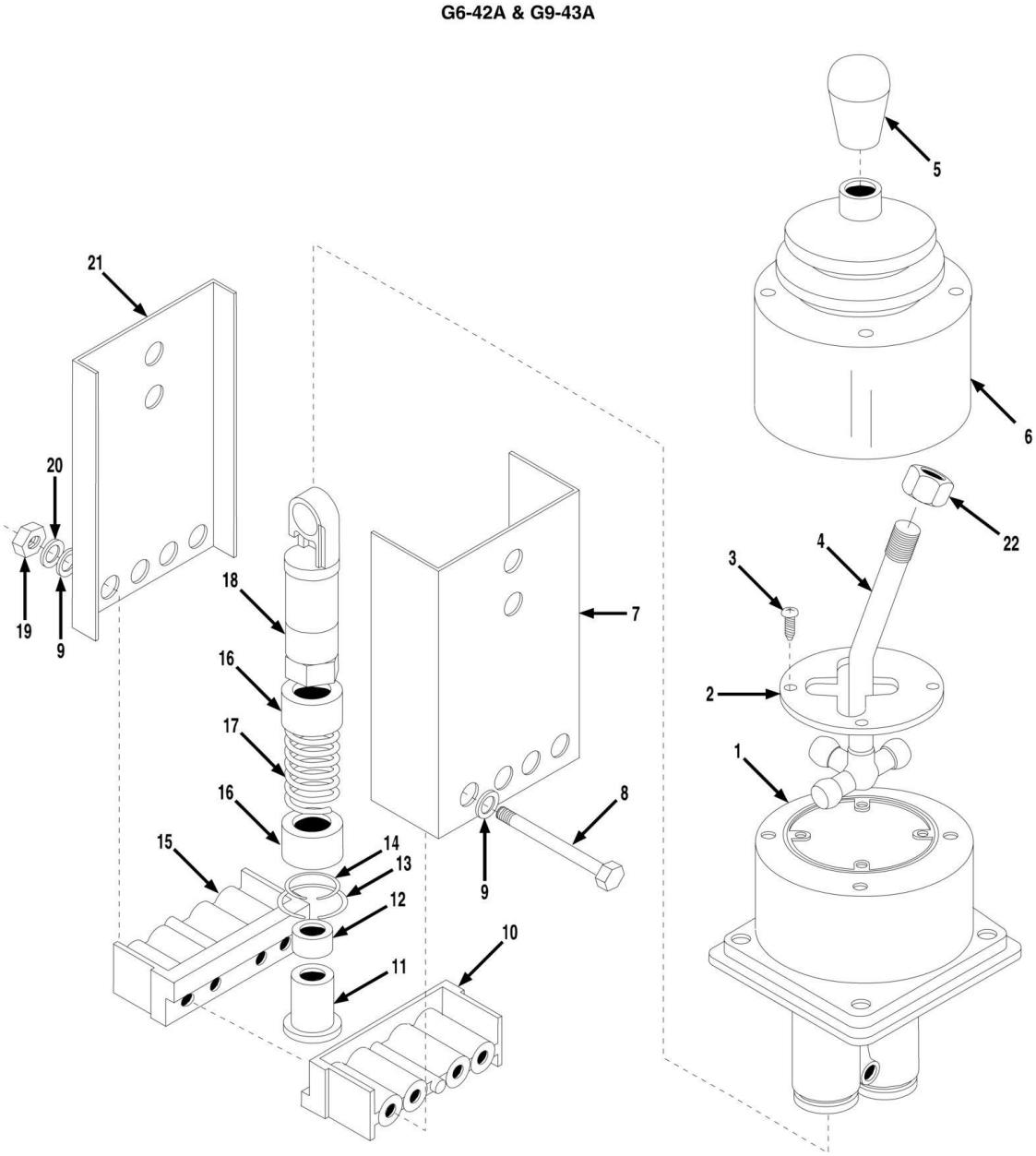
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FIGURE 7-7. TILT AND FRAME LEVEL JOYSTICK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91475033	Ref	TILT AND FRAME LEVEL JOYSTICK INSTALLATION, (G6-42A & G9-43A), (if equipped), (not available to order, see items 1 thru 7 for service)	F
1		Ref	TILT AND FRAME LEVEL JOYSTICK ASSY, (See TILT AND FRAME LEVEL JOYSTICK ASSEMBLY for Breakdown)	
2	91473146	2	CONTROL CABLE	
3	91416013	1	RH CONTROL BRACKET	
4	88201006	4	HEX HD CAPSCREW, 1/4-20X1-1/4, GR5	
5	88561107	4	FLAT WASHER, 1/4	
6	91416017	2	WELD NUT PLATE WELDMENT	
7	88551009	4	LOCKWASHER, 1/4	
102	0641508	3	HEX HD CAPSCREW, 5/16-18X1, GR5	
111	4761500	3	WASHER, 5/16	

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FIGURE 7-8. TILT AND FRAME LEVEL JOYSTICK ASSEMBLY



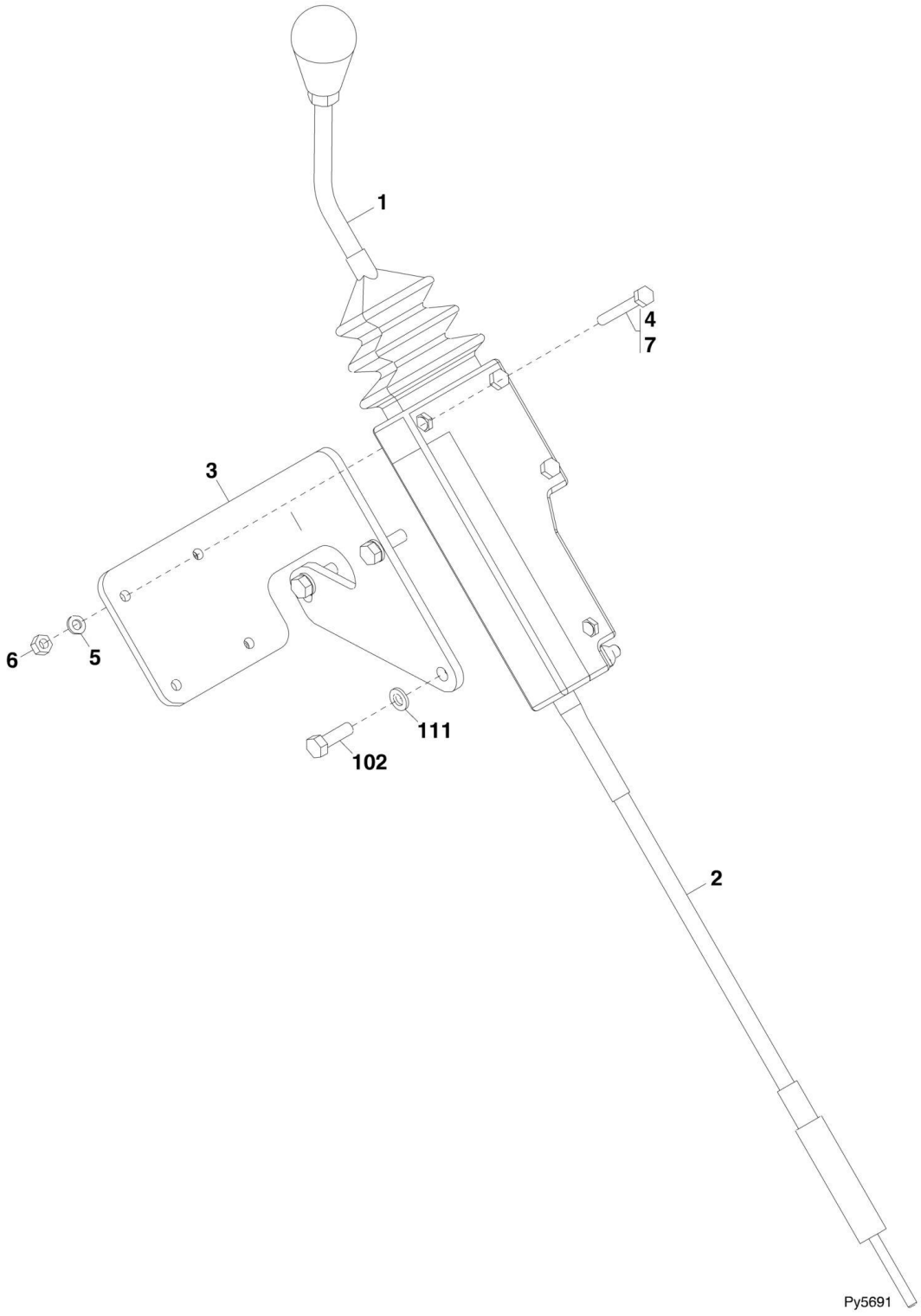
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FIGURE 7-8. TILT AND FRAME LEVEL JOYSTICK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91403178	1	TILT AND FRAME LEVEL JOYSTICK ASSY, (G6-42A & G9-43A), (if equipped), (includes all items)	G
1	91404207	1	HOUSING	
2	91404088	1	RESTRICTOR PLATE	
3	91404089	4	SELF-TAPPING SCREW, #10X3/4	
4	91404208	1	INPUT LEVER ASSY	
5	91404091	1	KNOB	
6	8160419	1	BOOT	
7	91404093	1	HOUSING, (outer)	
8	91404094	6	HEX HD CAPSCREW	
9	91404095	12	FLAT WASHER	
10	91404096	1	CABLE ANCHOR, (inner)	
11	91404097	2	CABLE LOCK SCREW	
12	91404098	2	CABLE BUSHING	
13	91404099	2	RETAINING RING	
14	91404100	2	RETAINING RING	
15	91404101	1	CABLE ANCHOR, (outer)	
16	91404102	4	BUSHING	
17	91404103	2	SPRING	
18	91404209	2	SLIDER ASSY	
19	91404105	6	HEX NUT, 1/4-20	
20	91404106	6	LOCKWASHER	
21	91404107	1	HOUSING, (inner)	
22	91404210	1	JAM NUT	

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FIGURE 7-9. FRAME LEVEL JOYSTICK INSTALLATION



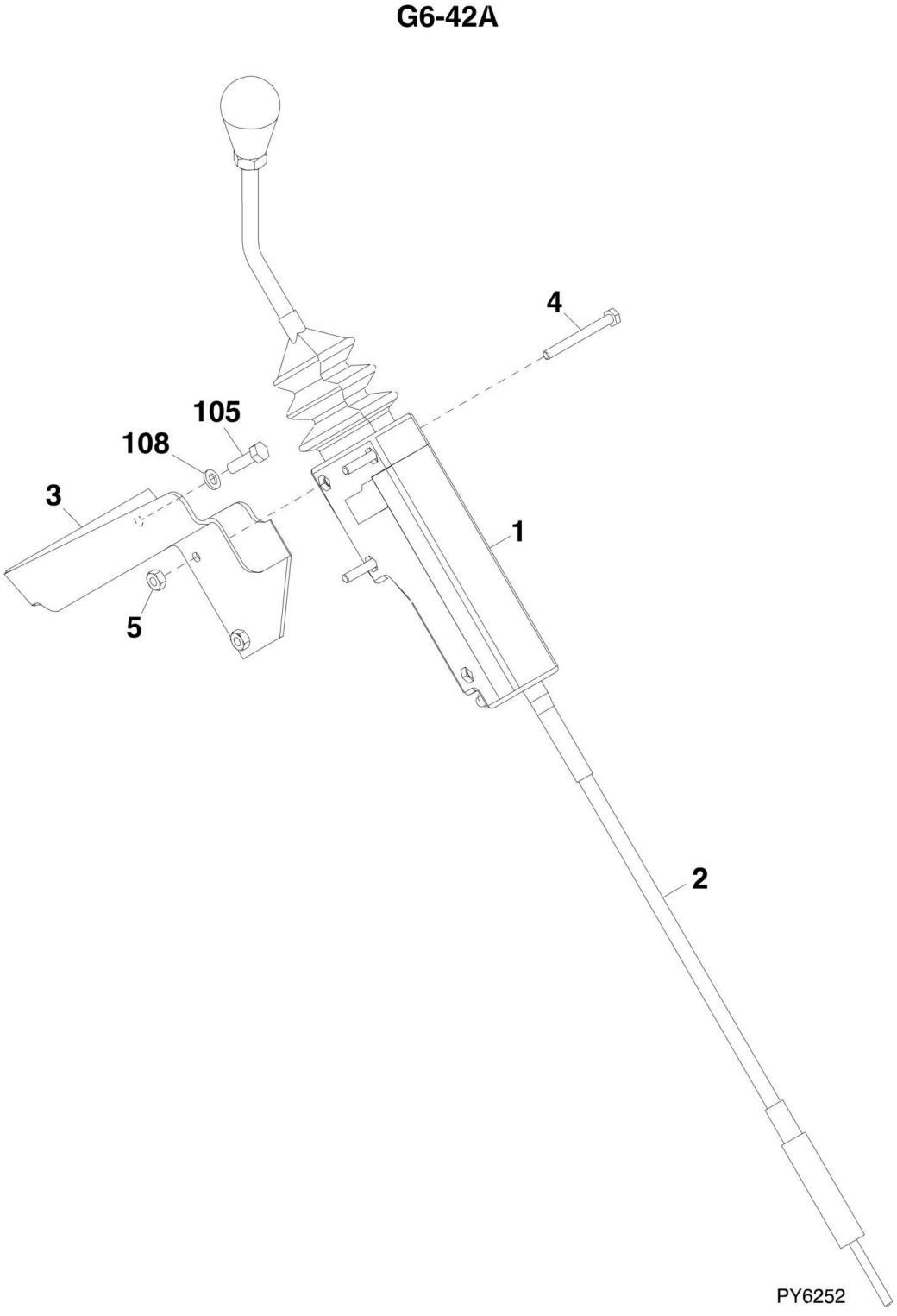
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FIGURE 7-9. FRAME LEVEL JOYSTICK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91515047	Ref	FRAME LEVEL JOYSTICK INSTALLATION, (G6-42A & G9-43A, if equipped), (G10-43A), (not available to order, see items 1 thru 7 for service)	E
1	91513204	1	SINGLE VALVE CONTROL	
2	91473146	1	CABLE	
3	1001092843	1	BRACKET	
4	0641416	3	HEX HD CAPSCREW, 1/4-20X2	
5	4761400	3	LOCKWASHER, 1/4	
6	3311401	3	HEX NUT, 1/4-20, GR2	
7	0100011	AR	LOCTITE 242	
102	0641508	3	HEX HD CAPSCREW, 5/16-18X1, GR5	
111	4761500	3	WASHER, 5/16	

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FIGURE 7-10. AUXILIARY HYDRAULIC JOYSTICK INSTALLATION G6-42A



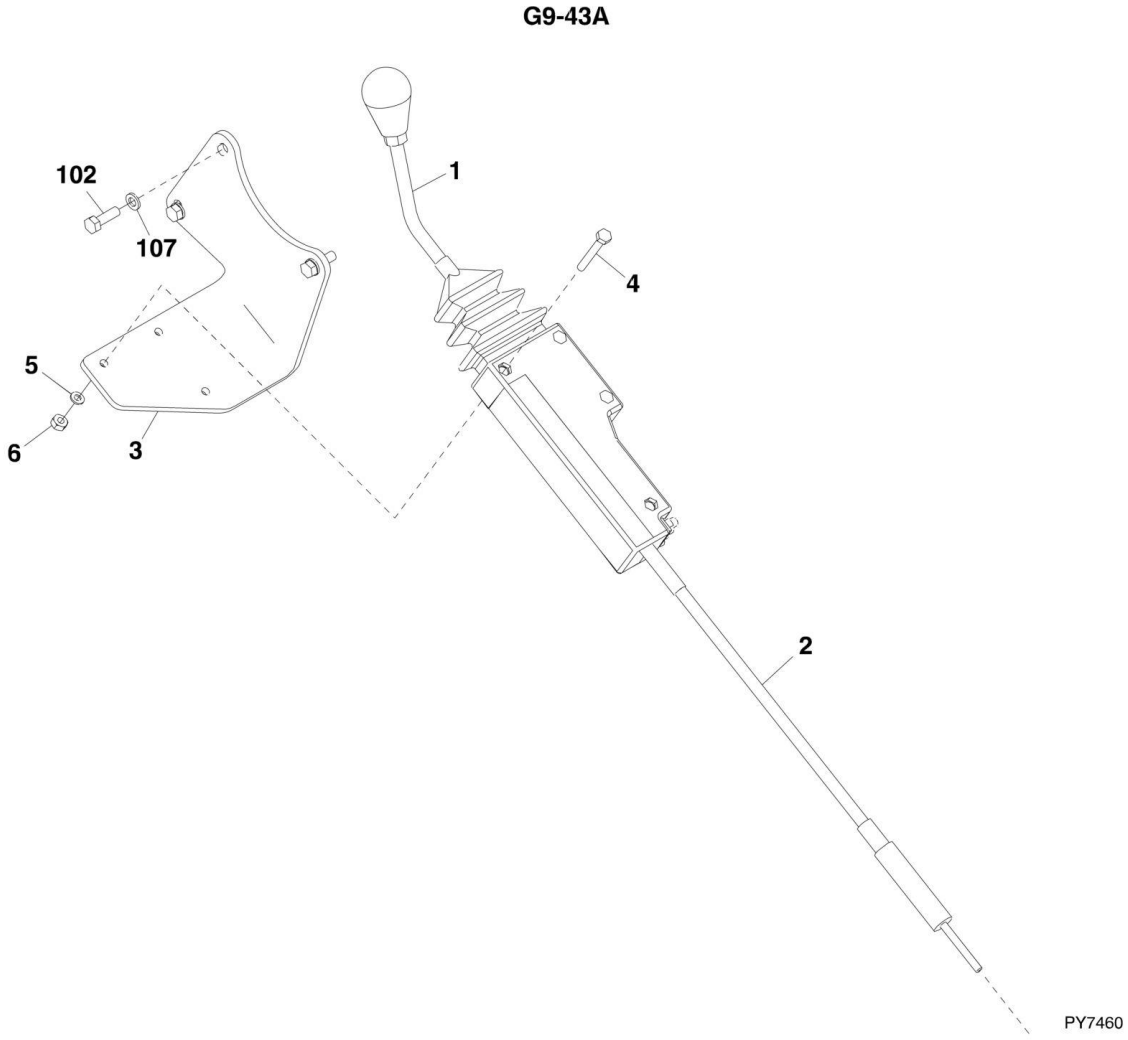
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FIGURE 7-10. AUXILIARY HYDRAULIC JOYSTICK INSTALLATION G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001091320	Ref	AUXILIARY HYDRAULIC JOYSTICK INSTALLATION, (G6-42A), (not available to order, see items 1 thru 5 for service)	A
1	91403273	1	JOYSTICK ASSY	
2	91473088	1	CABLE	
3	1001091157	1	LH BRACKET	
4	88201011	3	HEX HD CAPSCREW, 1/4-20X2-1/2	
5	88501004	3	HEX NUT, 1/4-20	
105	0641808	2	HEX HD CAPSCREW, 1/2-13X1, GR5	
108	4711800	2	WASHER, 1/2	

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FIGURE 7-11. AUXILIARY HYDRAULIC JOYSTICK INSTALLATION G9-43A



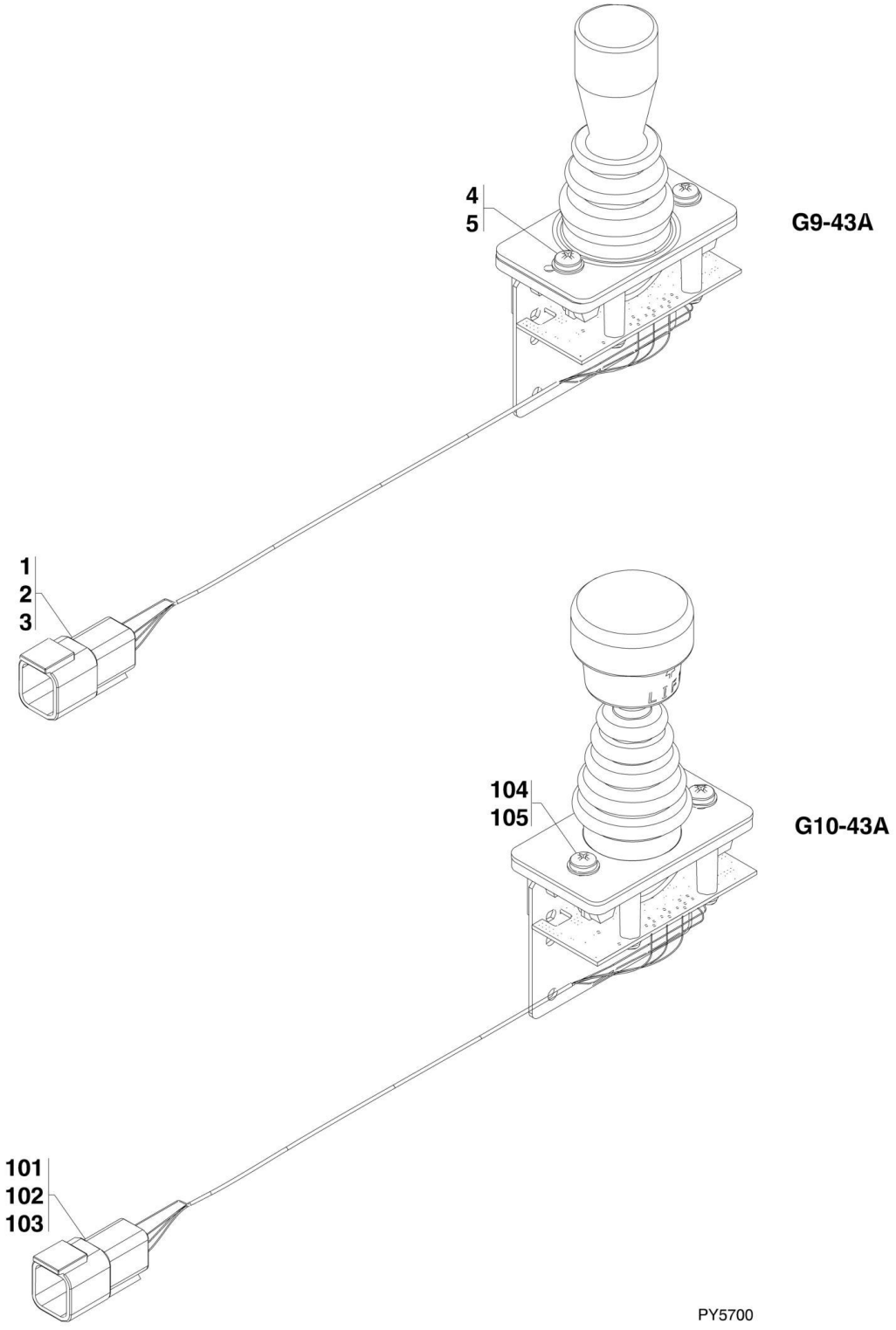
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FIGURE 7-11. AUXILIARY HYDRAULIC JOYSTICK INSTALLATION G9-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001107895	Ref	AUXILIARY HYDRAULIC JOYSTICK INSTALLATION, (G9-43A), (if equipped), (not available to order, see items 1 thru 6 for service)	C
1	91513204	1	SINGLE VALVE CONTROL JOYSTICK ASSY	
2	91473146	1	CABLE	
3	1001092843	1	BRACKET	
4	0641416	3	HEX HD CAPSCREW, 1/4-20X2, GR5	
5	4761400	3	LOCKWASHER, 1/4	
6	0641508	3	HEX NUT, 1/4-20, GR2	
102	0641508	3	HEX HD CAPSCREW, 5/16-18X1, GR5	
107	4761500	3	WASHER, 5/16	

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FIGURE 7-12. ELECTRIC AUXILIARY HYDRAULIC JOYSTICK



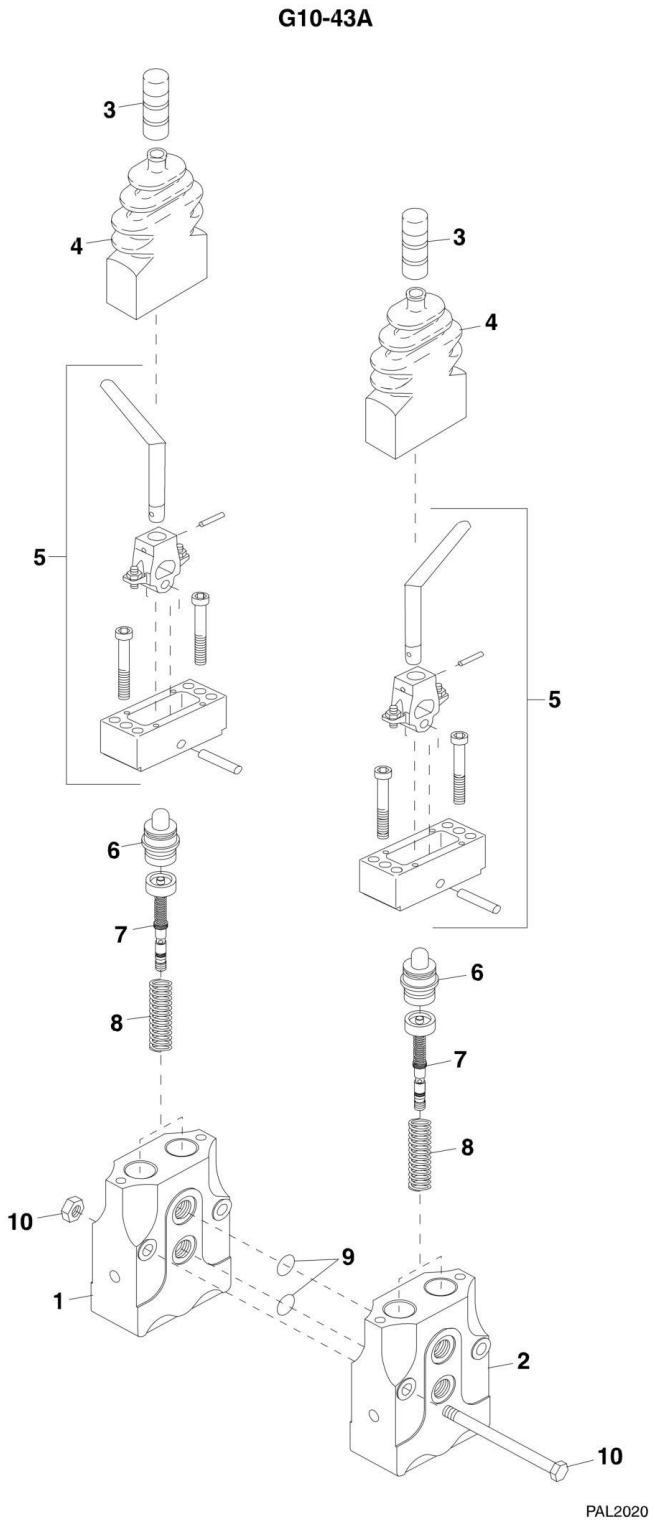
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FIGURE 7-12. ELECTRIC AUXILIARY HYDRAULIC JOYSTICK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001106508	1	ELECTRIC AUXILIARY HYDRAULIC JOYSTICK, (G9-43A), (if equipped), (includes items 1 thru 5)	A
1	4461217	1	CONNECTOR	
1	70020823	1	WEDGE LOCK	
2	4460917	5	TERMINAL	
3	4460518	1	PLUG	
4	N.S.S.	2	PAN HD CAPSCREW, M5X12	
5	N.S.S.	2	PLASTIC WASHER, #10	
	1001131806	1	ELECTRIC AUXILIARY HYDRAULIC JOYSTICK, (G10-43A), (includes items 101 thru 105)	A
101	4461217	1	CONNECTOR	
101	70020823	1	WEDGE LOCK	
102	4460917	5	TERMINAL	
103	4460518	1	PLUG	
104	N.S.S.	2	PAN HD CAPSCREW, M5X12	
105	N.S.S.	2	PLASTIC WASHER, #10	

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FIGURE 7-13. OUTRIGGER CONTROLLER



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FIGURE 7-13. OUTRIGGER CONTROLLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91563200	1	OUTRIGGER CONTROLLER, (G10-43A), (includes all items)	A
1	91563201	1	HYDRAULIC CONTROLLER, (includes one each of items 3 thru 8)	
2	7026741	1	HYDRAULIC CONTROLLER, (includes one each of items 3 thru 8)	
3	91504030	2	GRIP	
4	91504031	2	RUBBER BOOT	
5	7026739	2	LEVER OPERATION KIT	
6	80934498	2	PLUNGER KIT	
7	7026740	2	REGULATING UNIT KIT	
8	91504029	2	RETURN SPRING	
9	7026742	2	O-RING	
10	7026743	1	BOLT AND NUT KIT	

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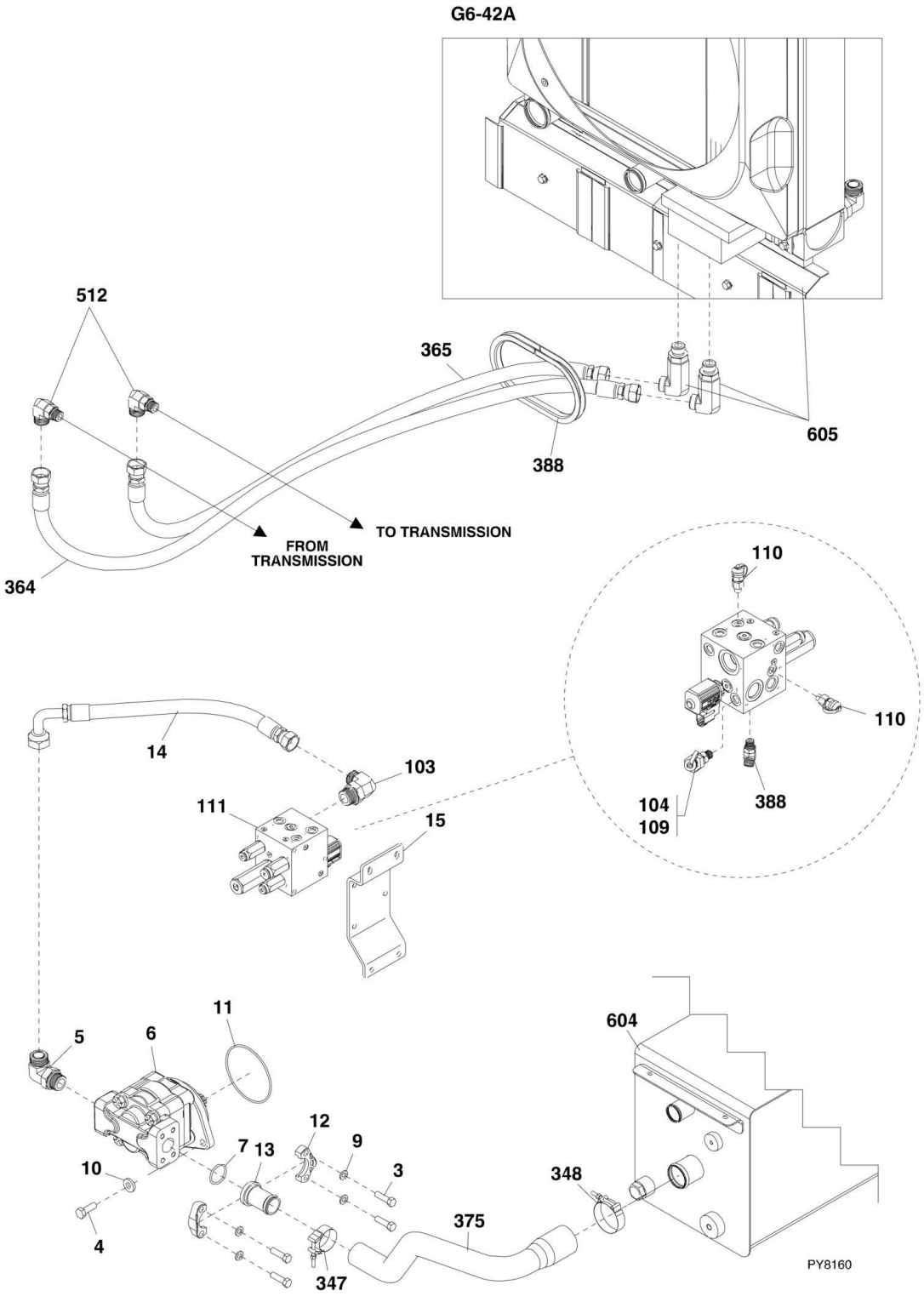
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SECTION 8 - HYDRAULIC CIRCUITS

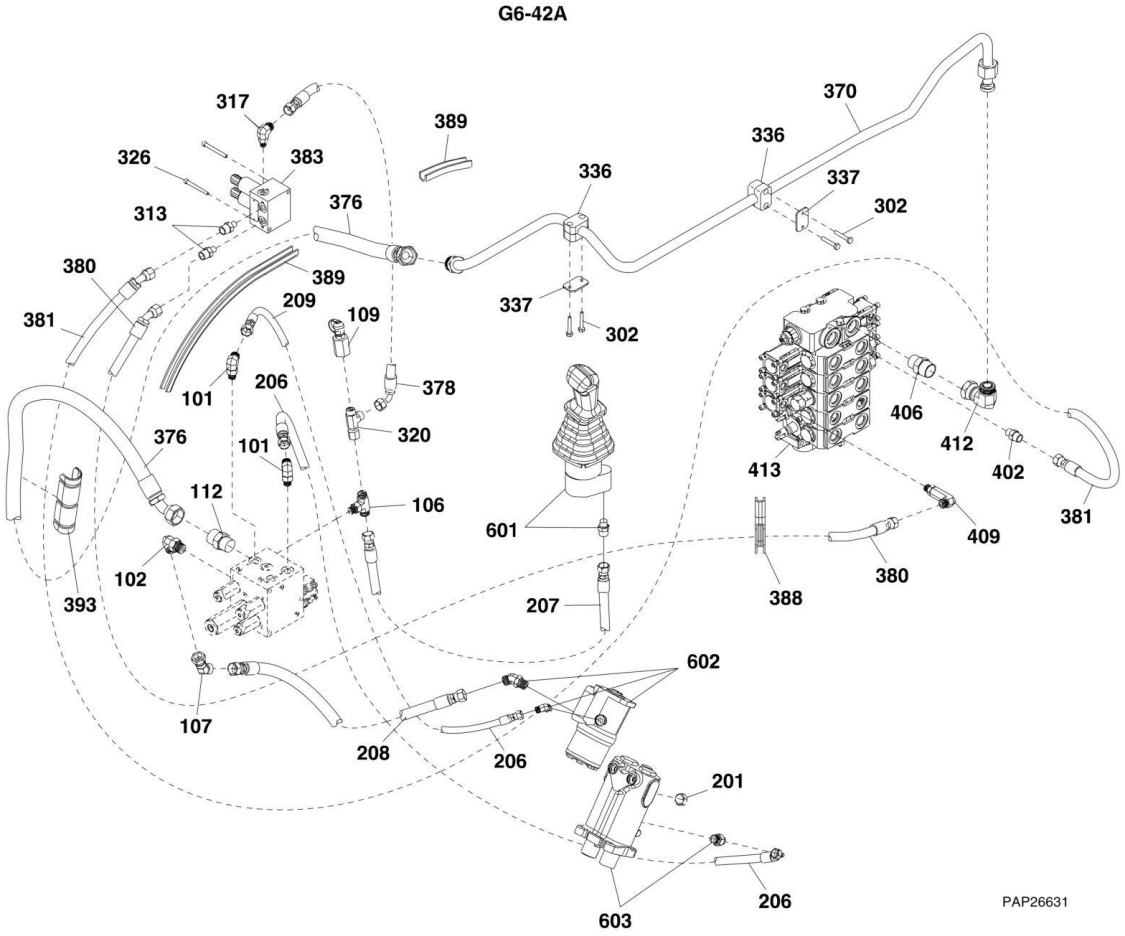
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SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. SUPPLY CIRCUIT G6-42A



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SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. SUPPLY CIRCUIT G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
3	0681712	4	HEX HD CAPSCREW, 7/16-14X1-1/2, GR8, (torque to 50 lb-ft/68 Nm)	
4	0701215	3	HEX HD CAPSCREW, M12X35, GR8.8, (torque to 64.9 lb-ft/88 Nm)	
5	2131616	1	ADAPTER, 90, (includes o-ring)	
6		Ref	HYDRAULIC PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
7	3790222	1	O-RING	
9	4761700	4	WASHER, 7/16	
10	4891800	3	WASHER, 1/2	
11	8630019	1	O-RING	
12	84711334	2	HALF FLANGE	
13	1001103997	1	TUBE ADAPTER	
14	1001134948	1	HOSE ASSEMBLY	
15		Ref	BRACKET, (See DUMP CIRCUIT for Breakdown)	
101	2130606	3	ADAPTER, 90, (includes o-ring)	
102	2130808	1	ADAPTER, 90, (includes o-ring)	
103	2131216	1	ADAPTER, 90, (includes o-ring)	
104	2150606	2	ADAPTER, 45, (includes o-ring)	
106	2170406	1	TEE FITTING, (includes o-ring)	
107	2221231	1	ADAPTER, 45, (includes o-ring)	
109	88662546	1	DIAGNOSTIC ADAPTER	
110	91053020	2	TEST PORT	
111		Ref	PRIORITY VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
112	2111212	1	STRAIGHT FITTING, (includes o-ring)	
201	2170906	1	CAP	
206	1001134975	1	HOSE ASSEMBLY	
207	1001134977	1	HOSE ASSEMBLY	
208	1001134978	1	HOSE ASSEMBLY	
209	1001134985	1	HOSE ASSEMBLY	
302	0641412	4	HEX HD CAPSCREW, 1/4-20X1-1/2, GR5	
313	2110604	2	STRAIGHT FITTING, (if equipped with tilt on joystick), (includes o-ring)	
317	2130604	1	ADAPTER, 90, (if equipped with tilt on joystick), (includes o-ring)	
320	2170706	1	ADAPTER, RUN TEE, (if equipped with tilt on joystick), (includes o-ring)	
326	3931436	2	SOCKET HD CAPSCREW, 1/4-20X2-1/4, (if equipped with tilt on joystick)	
336	8769152	2	CLAMP SET	
337	8769153	2	COVER PLATE	
347	90028695	1	HEAVY DUTY BAND CLAMP	
348	90028720	1	HEAVY DUTY BAND CLAMP, (torque to 40-50 lb-in/4.51-5.64 Nm)	
364	1001125119	1	HOSE ASSY	
365	1001125128	1	HOSE ASSY	
370	1001142649	1	TUBE ASSY	
375	1001134947	1	HOSE ASSY	
376	1001134968	1	HOSE ASSY	
378	1001135864	1	HOSE ASSEMBLY, (if equipped with tilt on joystick)	
380	1001135932	1	HOSE ASSY, (if equipped with tilt on joystick)	
381	1001135934	1	HOSE ASSY, (if equipped with tilt on joystick)	
383		Ref	TILT VALVE SOLENOID, (if equipped with tilt on joystick), (See	

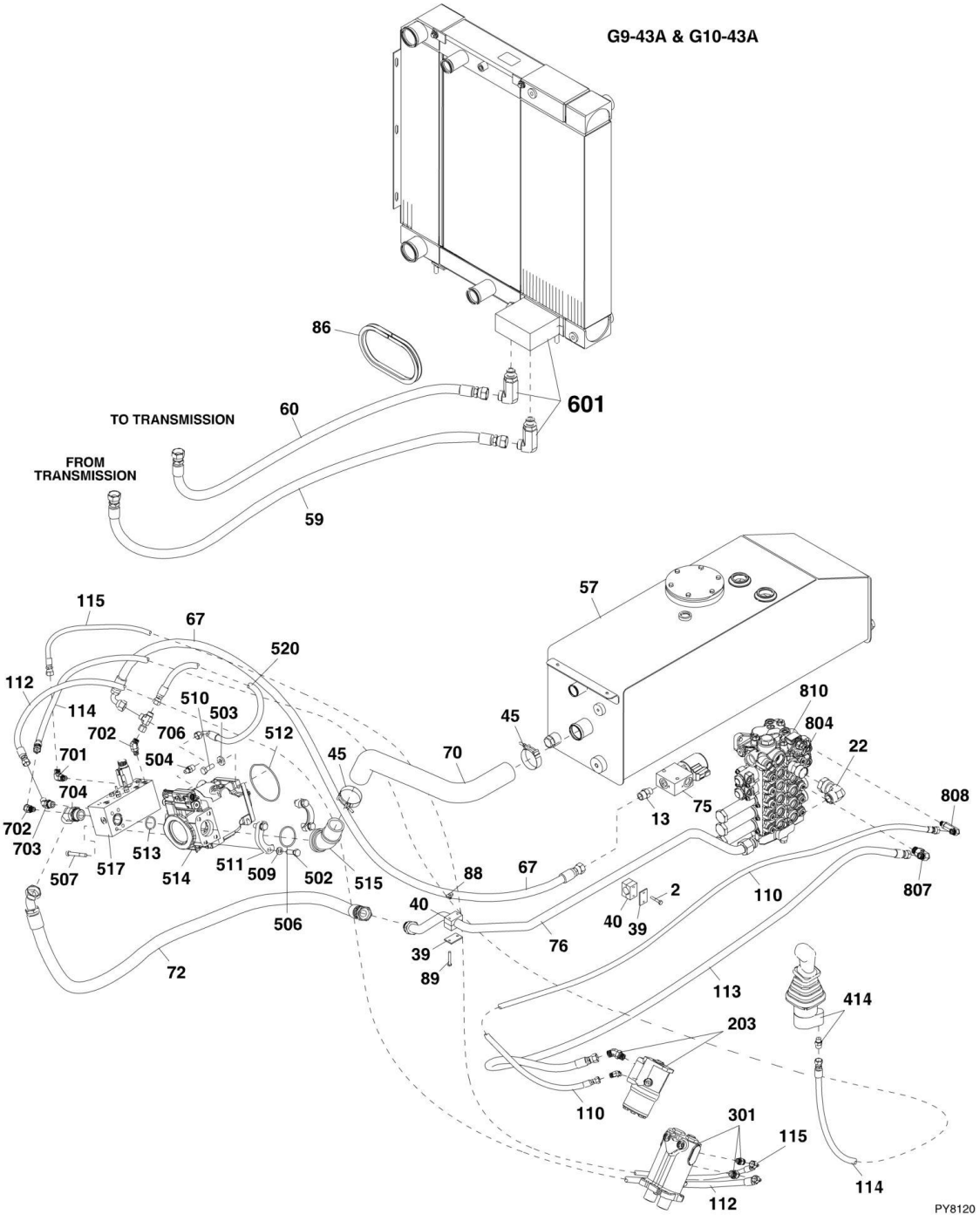
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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			HYDRAULIC COMPONENTS SECTION for Breakdown)	
388	90206203	57 in	TRIM-LOK	
389	91143220	23 in	PVC VINYL TRIM	
389	91143220	30 in	PVC VINYL TRIM, (if equipped with tilt on joystick)	
393	7301536	1	HOSE GUARD	
402	2110606	1	ADAPTER, CONNECTOR, (includes o-ring)	
406	2111212	1	ADAPTER, CONNECTOR, (includes o-ring)	
409	2170206	1	ADAPTER, 90, (long), (includes o-ring)	
412	2172112	1	ADAPTER, 90, (includes o-ring)	
413		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
512		Ref	ADAPTER, 90, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
601		Ref	BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown)	
602		Ref	STEERING CONTROL VALVE, (See CONTROLS SECTION for Breakdown)	
603		Ref	BRAKE VALVE, (See CONTROLS SECTION for Breakdown)	
604		Ref	HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
605		Ref	RADIATOR, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	

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SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-2. SUPPLY CIRCUIT G9-43A & G10-43A



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FIGURE 8-2. SUPPLY CIRCUIT G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
2	0641412	2	HEX HD CAPSCREW, 1/4-20X1-1/2, GR5	
13	2110606	1	ADAPTER, CONNECTOR, (includes o-ring)	
22	2172116	1	ADAPTER, 90, (includes o-ring)	
39	77133052	2	COVER PLATE	
40	77133073	2	CLAMP	
45	90028720	2	HEAVY DUTY BAND CLAMP, (torque to 45-50 lb-in/5.08-5.64 Nm)	
57		Ref	HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
59	1001125119	1	HOSE ASSY	
60	1001125128	1	HOSE ASSY	
67	1001130213	1	HOSE ASSY	
70	1001132162	1	SUCTION HOSE	
72	1001132579	1	HOSE ASSY	
75		Ref	PRESSURE REDUCING VALVE, (See DUMP CIRCUIT for Breakdown)	
76	1001148109	1	HYDRAULIC PRESSURE PIPE	
86	90206203	57 in	TRIM-LOK	
88	8750044	2	RAIL NUT, M6	
89	0700617	2	HEX HD CAPSCREW, M6X45, GR8.8	
110	1001137208	1	HOSE ASSY	
112	1001105622	1	HOSE ASSY	
113	1001105627	1	HOSE ASSY	
114	1001105631	1	HOSE ASSY	
115	1001149242	1	HOSE ASSY	
203		Ref	STEERING CONTROL VALVE, (See CONTROLS SECTION for Breakdown)	
301		Ref	BRAKE VALVE, (See CONTROLS SECTION for Breakdown)	
414		Ref	BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown)	
502	0641812	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5	
503	0701215	4	HEX HD CAPSCREW, M12X35, GR8.8	
504	2110604	1	ADAPTER, CONNECTOR, (includes o-ring)	
506	3790228	1	O-RING	
507	3931648	4	SOCKET HD CAPSCREW, 3/8-16X3, (torque to 35 lb-ft/47.45 Nm)	
509	4761800	4	LOCKWASHER, 1/2	
510	4891800	4	WASHER, 1/2	
511	8546407	2	FLANGE HALF	
512	8630019	1	O-RING	
513	91083106	1	O-RING	
514		Ref	HYDRAULIC PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
515	1001107814	1	ADAPTER, 45	
517		Ref	HYDRAULIC MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
520	1001116005	1	HOSE ASSY	
601		Ref	RADIATOR ASSY, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
701	2130606	1	ADAPTER, 90, (includes o-ring)	
702	2150606	2	ADAPTER, 45, (includes o-ring)	
703	2150608	1	ADAPTER, 45, (includes o-ring)	
704	2151616	1	ADAPTER, 45, (includes o-ring)	
706	2170706	1	ADAPTER, RUN TEE, (includes o-ring)	

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SECTION 8 - HYDRAULIC CIRCUITS

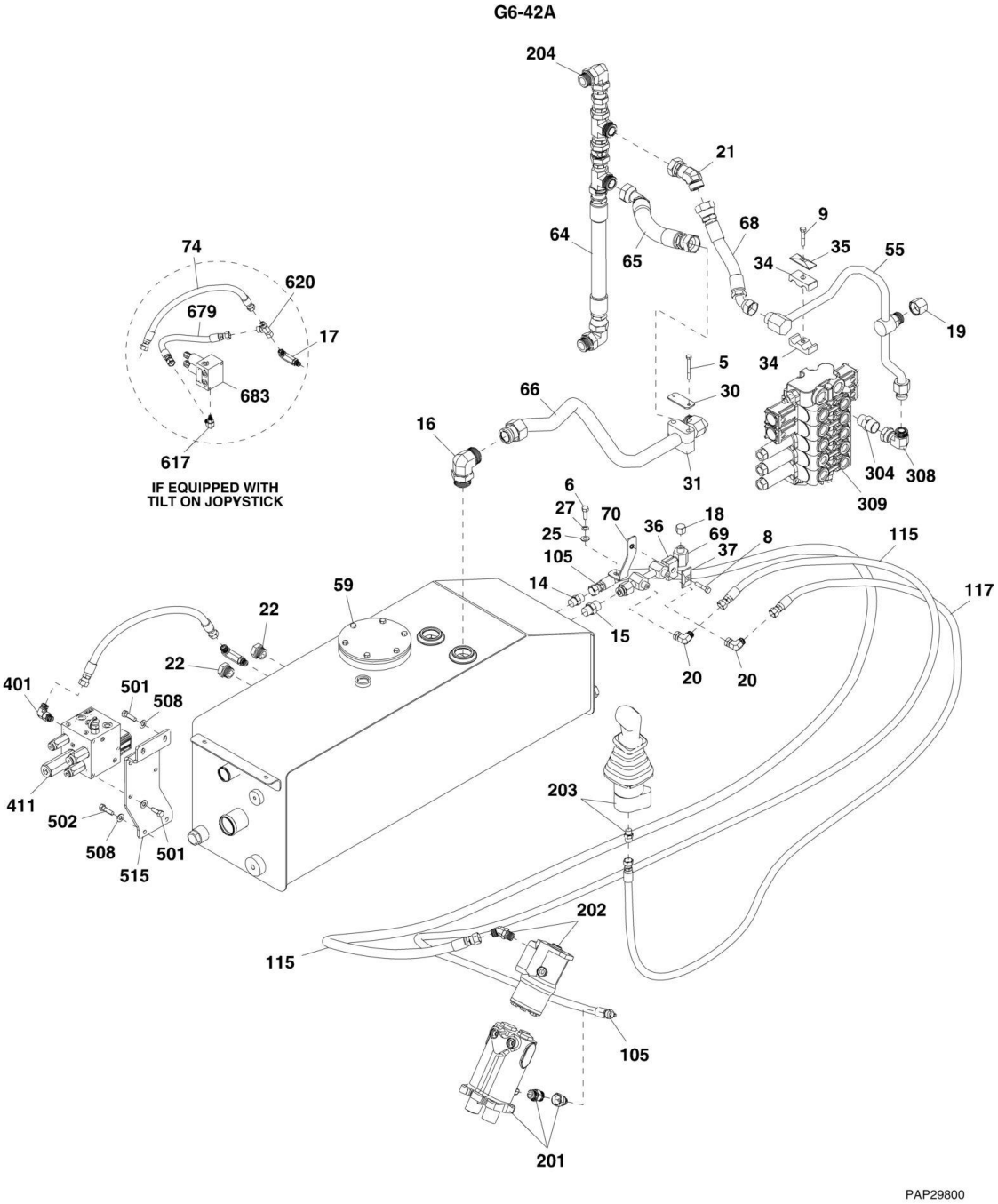
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
804	2111616	1	ADAPTER, CONNECTOR, (includes o-ring)	
807	2130810	1	ADAPTER, 90, (long), (includes o-ring)	
808	2170206	1	ADAPTER, 90, (includes o-ring)	
810		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

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SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-3. DUMP CIRCUIT G6-42A



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FIGURE 8-3. DUMP CIRCUIT G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
5	0641420	2	HEX HD CAPSCREW, 1/4-20X2-1/2, GR5	
6	0641506	1	HEX HD CAPSCREW, 5/16-18X3/4, GR5	
8	0641512	1	HEX HD CAPSCREW, 5/16-18X1-1/2, GR5	
9	0641514	1	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	
14	2110808	1	ADAPTER, CONNECTOR, (includes o-ring)	
15	2111010	1	ADAPTER, CONNECTOR, (includes o-ring)	
16	2132020	1	ADAPTER, 90, (includes o-ring)	
17	2170206	1	ADAPTER, 90, (includes o-ring)	
18	2170906	1	ADAPTER, CAP	
19	2170912	1	ADAPTER, CAP	
20	2172106	2	ADAPTER, 90, (includes o-ring)	
21	2172316	1	ADAPTER, 45, (includes o-ring)	
22	2220240	2	ADAPTER, PLUG	
25	4751500	1	WASHER, 5/16	
27	4761500	1	LOCKWASHER, 5/16	
30	8750001	1	COVER PLATE	
31	8750005	1	CLAMP SET	
34	77133136	1	TWIN CLAMP	
35	77133137	1	CLAMP SET	
36	77133139	1	CLAMP SET	
37	77133140	1	COVER PLATE	
55	1001106786	1	HYDRAULIC PIPE	
59		Ref	HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
64	1001130065	1	HOSE ASSY	
65	1001130126	1	HOSE ASSY	
66	1001132126	1	HYDRAULIC RETURN PIPE	
68	1001133267	1	HOSE ASSY	
69	1001133896	1	HYDRAULIC RETURN PIPE	
70	1001134142	1	BRACKET	
74	1001134969	1	HOSE ASSY	
105	1001134210	1	HOSE ASSY	
115	1001132112	1	HOSE ASSY	
117	1001132383	1	HOSE ASSY	
201		Ref	BRAKE VALVE, (See CONTROLS SECTION for Breakdown)	
202		Ref	STEERING CONTROL VALVE, (See CONTROLS SECTION for Breakdown)	
203		Ref	BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown)	
204		Ref	RADIATOR, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
304	2111212	1	ADAPTER, CONNECTOR, (includes o-ring)	
308	2172112	1	ADAPTER, 90, (includes o-ring)	
309		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
401	2130606	1	ADAPTER, 90, (includes o-ring)	
411		Ref	PRIORITY VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
501	0641608	5	HEX HD CAPSCREW, 3/8-16X1, GR5	
502	0641610	2	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
508	4711600	7	WASHER, 3/8	
515	1001134990	1	VALVE MOUNT PLATE	

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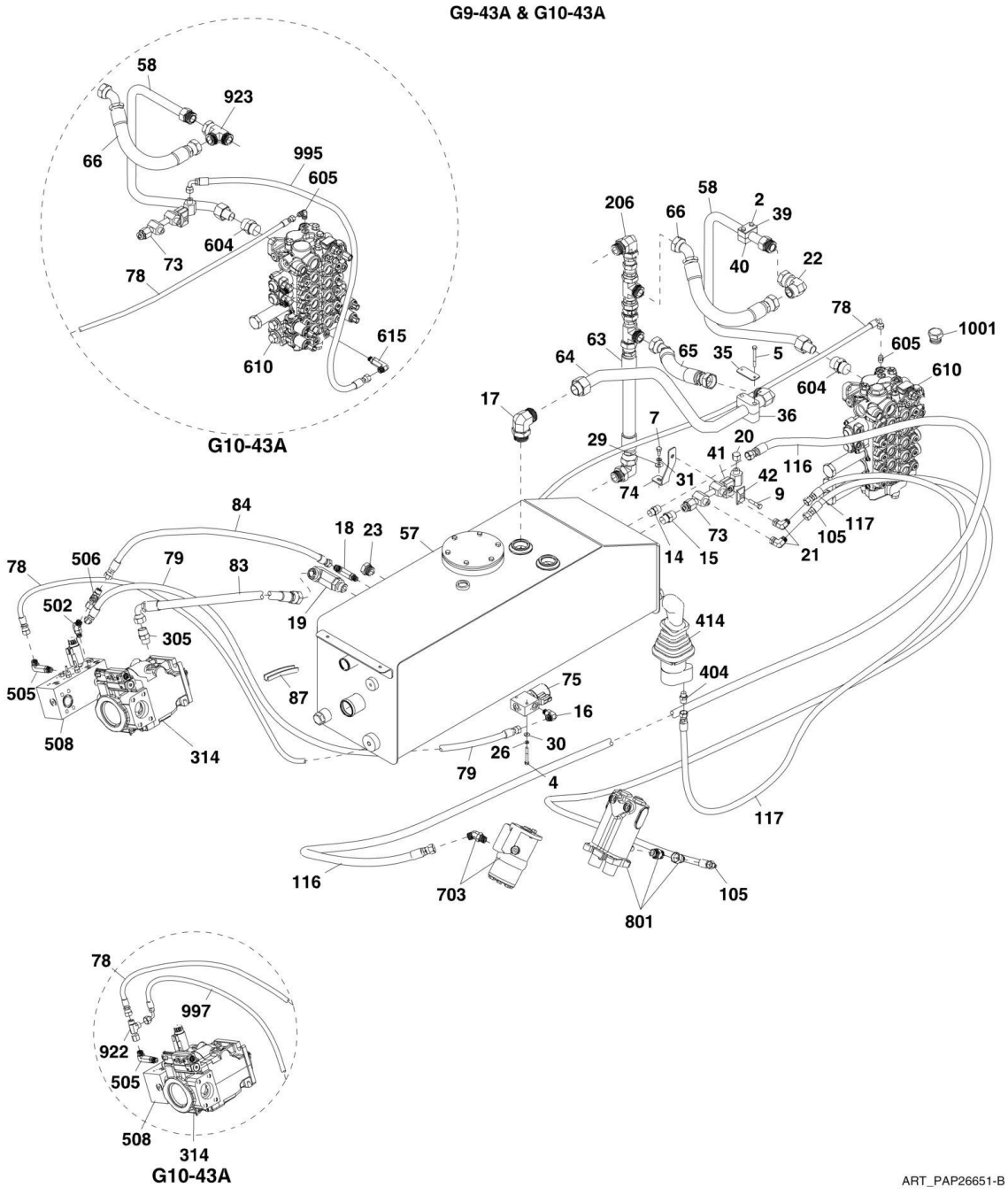
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
617	2130604	1	ADAPTER, 90, (includes o-ring), (if equipped with tilt on joystick)	
620	2170706	1	ADAPTER, RUN TEE, (includes o-ring), (if equipped with tilt on joystick)	
679	1001135904	1	HOSE ASSY, (if equipped with tilt on joystick)	
683		Ref	TILT VALVE SOLENOID, (if equipped with tilt on joystick) , (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

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SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-4. DUMP CIRCUIT G9-43A & G10-43A



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FIGURE 8-4. DUMP CIRCUIT G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
2	0641412	2	HEX HD CAPSCREW, 1/4-20X1-1/2, GR5	
4	0641416	2	HEX HD CAPSCREW, 1/4-20X2, GR5	
5	0641420	2	HEX HD CAPSCREW, 1/4-20X2-1/2, GR5	
7	0641506	1	HEX HD CAPSCREW, 5/16-18X3/4, GR5	
9	0641512	1	HEX HD CAPSCREW, 5/16-18X1-1/2, GR5	
14	2110808	1	ADAPTER, CONNECTOR, (includes o-ring)	
15	2111010	1	ADAPTER, CONNECTOR, (includes o-ring)	
16	2130606	1	ADAPTER, 90, (includes o-ring)	
17	2132020	1	ADAPTER, 90, (includes o-ring)	
18	2170206	1	ADAPTER, 90, (long), (includes o-ring)	
19	2170212	1	ADAPTER, 90, (long), (includes o-ring	
20	2170906	1	ADAPTER, CAP	
21	2172106	2	ADAPTER, 90, (includes o-ring)	
22	2172116	1	ADAPTER, 90, (includes o-ring)	
23	2220240	1	ADAPTER, PLUG	
26	4711400	2	WASHER	
29	4751500	1	WASHER, 5/16	
30	4761400	2	LOCKWASHER, 1/4	
31	4761500	1	LOCKWASHER, 5/16	
35	8750001	1	COVER PLATE	
36	8750005	1	CLAMP SET	
39	77133052	1	COVER PLATE	
40	77133073	1	CLAMP	
41	77133139	1	CLAMP SET	
42	77133140	1	COVER PLATE	
57		Ref	HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
58	1001122407	1	INLET PIPE	
63	1001130065	1	HOSE ASSY	
64	1001130085	1	RETURN PIPE	
65	1001130126	1	HOSE ASSY	
66	1001130127	1	HOSE ASSY	
73	1001133896	1	RETURN PIPE	
74	1001134142	1	WELD BRACKET	
75	1001136501	1	PRESSURE REDUCING VALVE	
78	1001136955	1	HOSE ASSY	
78	1001136955	1	HOSE ASSY, (G9-43A, if equipped with tilt on joystick), (G10-43A)	
79	1001136977	1	HOSE ASSY	
83	1001130904	1	HOSE ASSY	
84	1001130905	1	HOSE ASSY	
105	1001134210	1	HOSE ASSY	
116	1001132112	1	HOSE ASSY	
117	1001132383	1	HOSE ASSY	
117		Ref	HOSE ASSY, (G9-43A, if equipped with tilt on joystick), (G10-43A), (See BOOM JOYSTICK CIRCUIT for Breakdown)	
206		Ref	ADAPTER, 90, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
305	2111010	1	ADAPTER, CONNECTOR, (includes o-ring)	
314		Ref	HYDRAULIC PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

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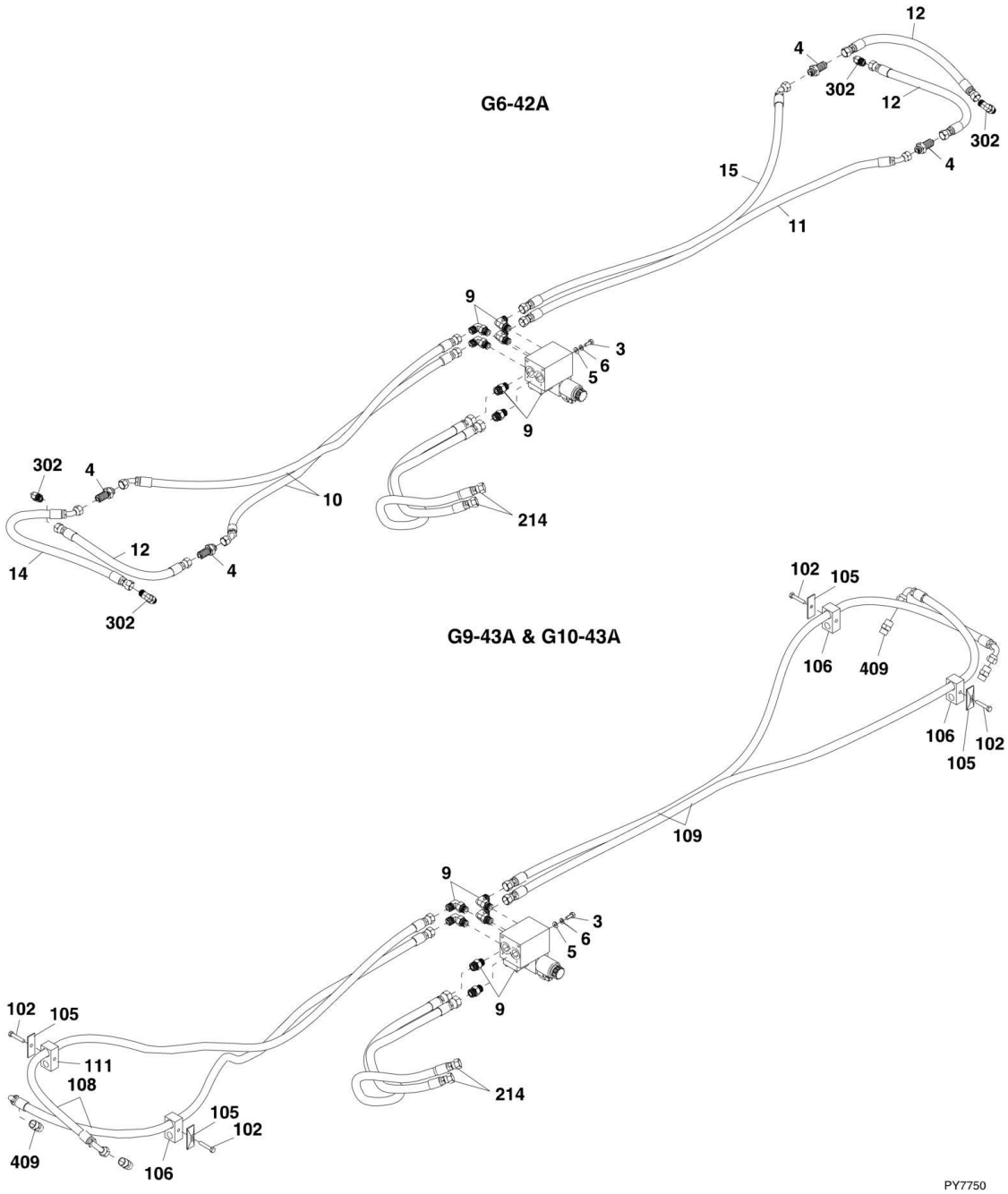
SECTION 8 - HYDRAULIC CIRCUITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
404		Ref	ADAPTER, CONNECTOR, (See BOOM JOYSTICK CIRCUIT for Breakdown)	
414		Ref	BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown)	
502	2150606	1	ADAPTER, 45, (includes o-ring)	
505	2170206	1	ADAPTER, 90, (long), (includes o-ring)	
506	2170706	1	ADAPTER, RUN TEE, (includes o-ring)	
508		Ref	HYDRAULIC MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
604	2111616	1	ADAPTER, CONNECTOR, (includes o-ring)	
605	2110404	1	ADAPTER, CONNECTOR, (includes o-ring)	
605	2130404	1	ADAPTER, 90, (includes o-ring), (G10-43A)	
610		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
615	2170206	1	ADAPTER, 90, (long), (includes o-ring), (G10-43A)	
703		Ref	STEERING CONTROL VALVE, (See CONTROLS SECTION for Breakdown)	
801		Ref	BRAKE VALVE, (See CONTROLS SECTION for Breakdown)	
922	2170706	1	ADAPTER, RUN TEE, (includes o-ring)	
923	2170716	1	ADAPTER, RUN TEE, (includes o-ring)	
995	1001132506	1	HOSE ASSY, (G9-43A, if equipped with tilt on joystick), (G10-43A)	
997	1001132704	1	HOSE ASSY	
1001	2220242	1	ADAPTER PLUG, (if equipped with main control valve)	

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FIGURE 8-5. STEER SELECT CIRCUIT



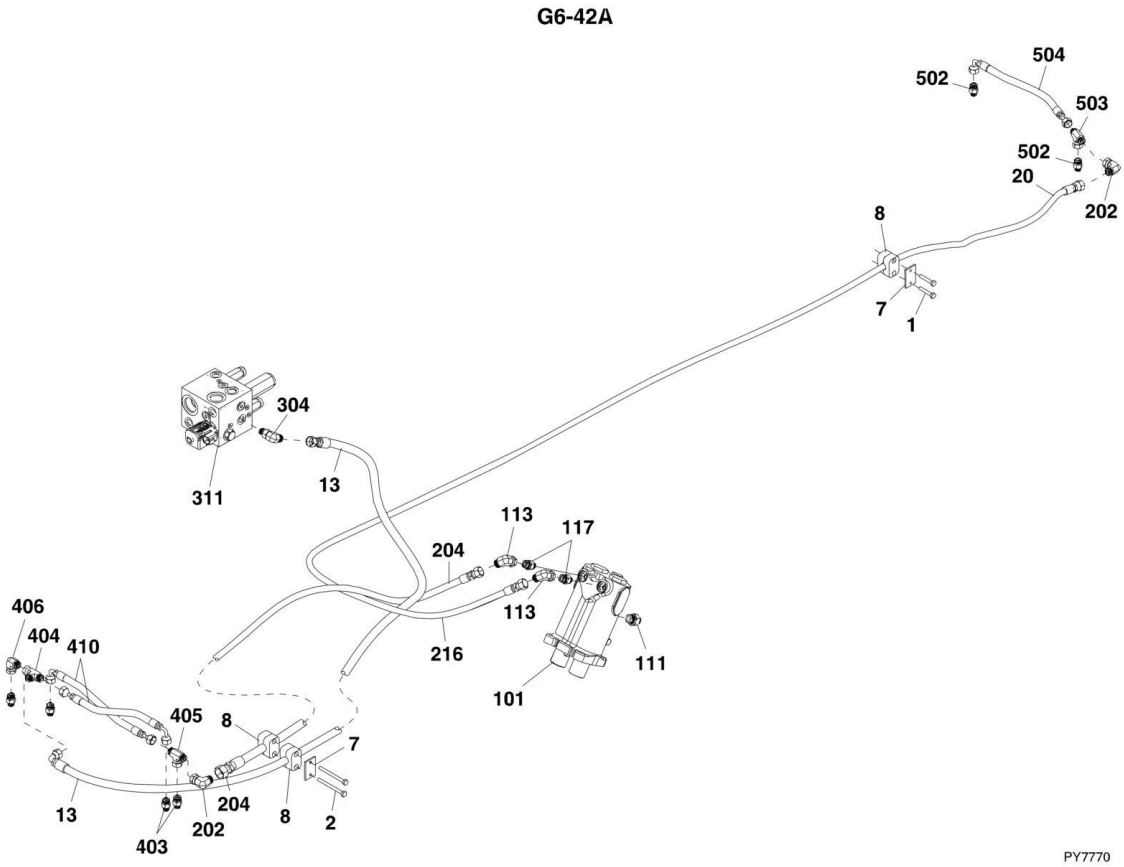
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FIGURE 8-5. STEER SELECT CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001132495	Ref	DRIVETRAIN HYDRAULIC INSTALLATION, (G6-42A), (not available to order, see items 3 thru 15 for service)	C
	1001132005	Ref	DRIVETRAIN HYDRAULIC INSTALLATION, (G9-43A & G10-43A), (not available to order, see items 3, 5 thru 9 & 102 thru 111 for service)	C
3	0641506	4	HEX HD CAPSCREW, 5/16-18X3/4, GR5, (torque to 17lb-ft/23Nm)	
4	2171108	4	BULKHEAD UNION, 3/4-16X1/2, TUBE	
5	4711500	4	FLAT WASHER, 5/16	
6	4761500	4	LOCKWASHER, 5/16	
9		Ref	STEER SELECT VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
10	1001096950	2	HOSE ASSY	
11	1001096952	1	HOSE ASSY	
12	1001097745	3	HOSE ASSY	
14	1001148921	1	HOSE ASSY	
15	1001148924	1	HOSE ASSY	
102	0641514	4	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	
105	77133137	4	TWIN CLAMP COVER PLATE	
106	80933140	3	CLAMP SET	
108	1001098440	2	HOSE ASSY	
109	1001098441	2	HOSE ASSY	
111	77323029	1	CLAMP SET	
214	1001096390	2	HOSE ASSY	
302	2130808	4	ADAPTER, 90, (includes o-ring)	
409	2110808	4	ADAPTER, CONNECTOR, (includes o-ring)	

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FIGURE 8-6. SERVICE BRAKE CIRCUIT G6-42A



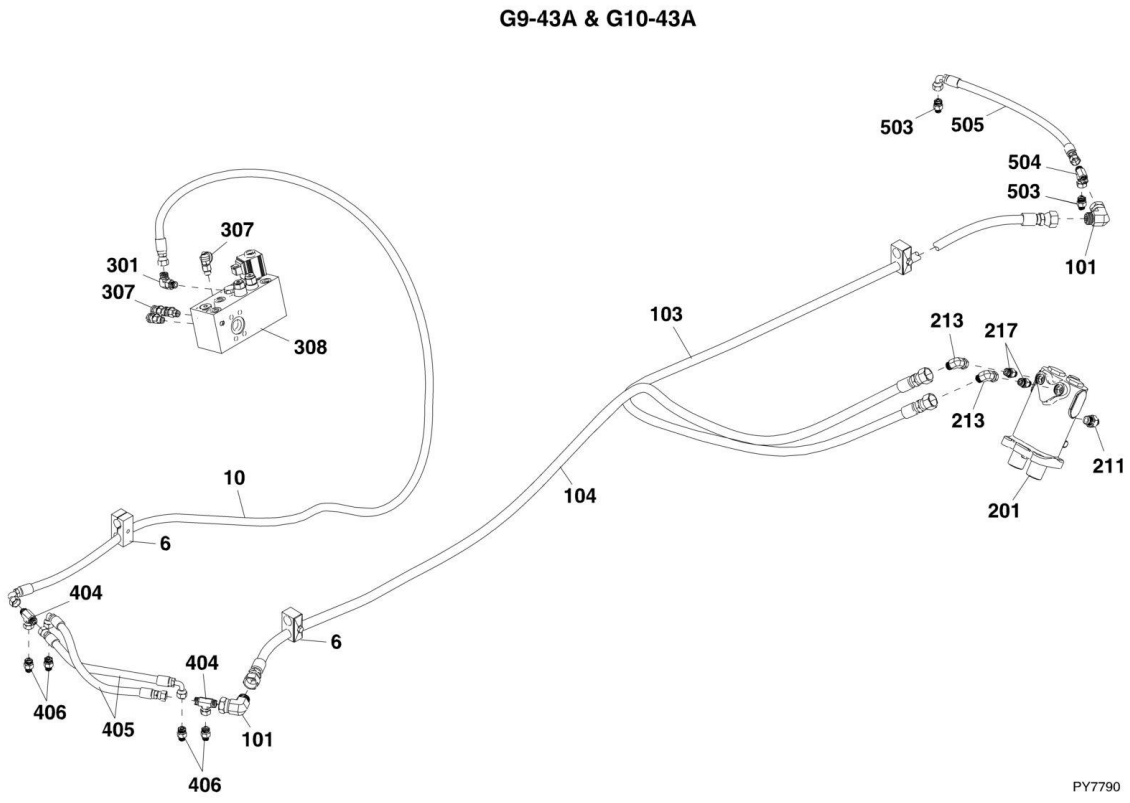
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FIGURE 8-6. SERVICE BRAKE CIRCUIT G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	0641412	2	HEX HD CAPSCREW, 1/4-20X1-1/2, GR5	
2	0641424	2	HEX HD CAPSCREW, 1/4-20X3, GR5	
7	77133052	2	COVER PLATE	
8	8769154	3	CLAMP SET	
13	1001134986	1	HOSE ASSY	
101		Ref	POWER BRAKE VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
111		Ref	ADAPTER, CONNECTOR, (See CONTROLS SECTION for Breakdown)	
113	2172106	2	ADAPTER, 90, (includes o-ring)	
117	2144605	2	ADAPTER, CONNECTOR, (includes o-ring)	
202	2172106	2	ADAPTER, 90, (includes o-ring)	
204	1001132380	1	HOSE ASSY	
216	1001132377	1	HOSE ASSY	
304	2150606	1	ADAPTER, 90, (includes o-ring)	
311		Ref	PRIORITY VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
403	2144605	4	ADAPTER, CONNECTOR, (includes o-ring)	
404	2170706	1	ADAPTER, RUN TEE, (includes o-ring)	
405	2170806	1	ADAPTER, BRANCH TEE, (includes o-ring)	
406	2172106	1	ADAPTER, 90, (includes o-ring)	
410	1001139375	2	HOSE ASSY	
502	2144605	2	ADAPTER, CONNECTOR, (includes o-ring)	
503	2170806	1	ADAPTER, BRANCH TEE, (includes o-ring)	
504	1001139375	1	HOSE ASSY	

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FIGURE 8-7. SERVICE BRAKE CIRCUIT G9-43A & G10-43A



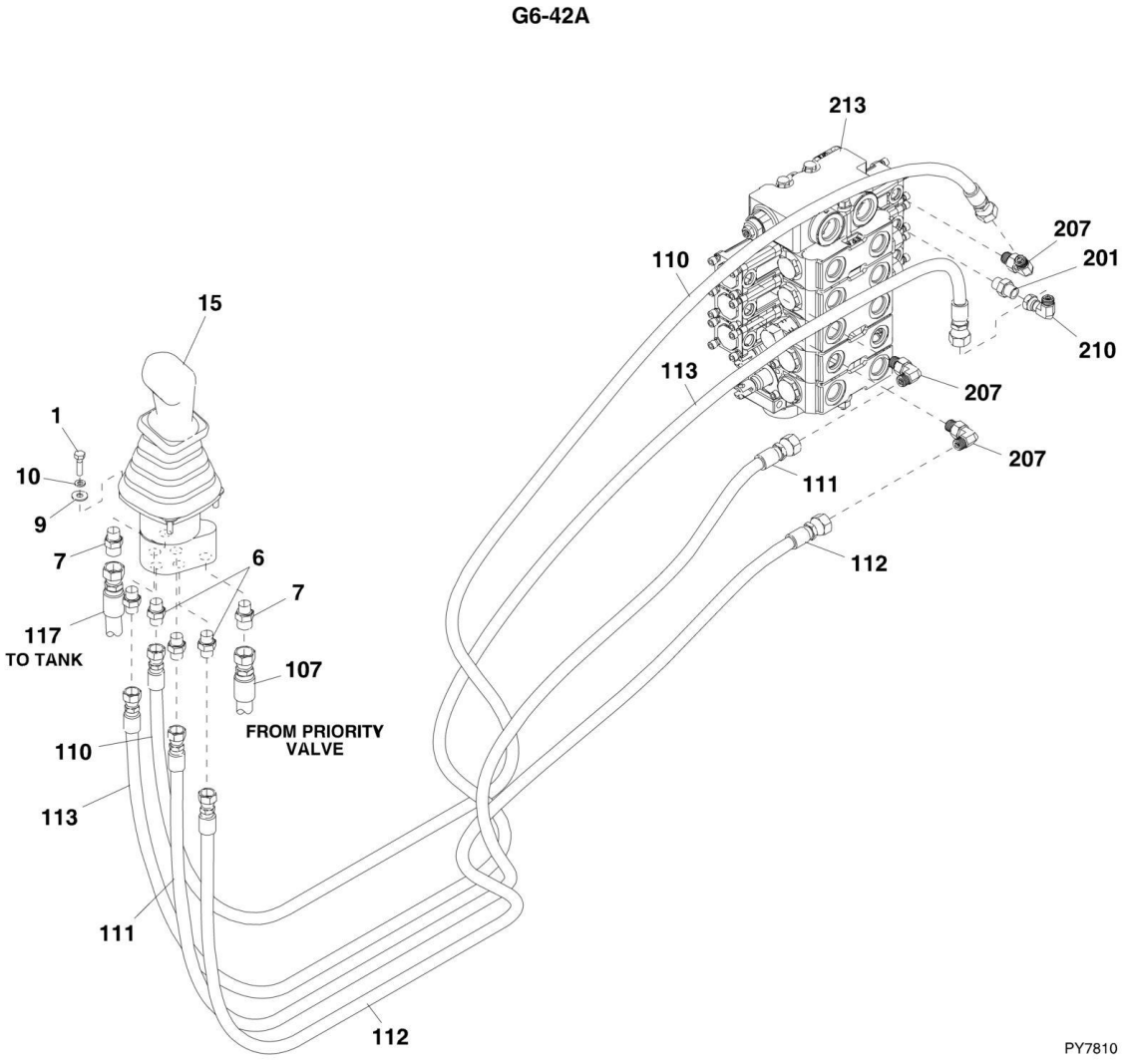
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FIGURE 8-7. SERVICE BRAKE CIRCUIT G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
6		Ref	CLAMP SET, (See STEER SELECT CIRCUIT for Breakdown)	
10	1001130214	1	HOSE ASSY	
101	2172106	2	ADAPTER, 90, (includes o-ring)	
103	1001132377	1	HOSE ASSY	
104	1001132380	1	HOSE ASSY	
201		Ref	POWER BRAKE VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
211		Ref	ADAPTER, CONNECTOR, (See CONTROLS SECTION for Breakdown)	
213	2172106	2	ADAPTER, 90, (includes o-ring)	
217	2144605	2	ADAPTER, CONNECTOR, (includes o-ring)	
301		Ref	ADAPTER, 90, (includes o-ring)	
307	77133089	4	MINI-CHECK	
308		Ref	PRIORITY MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
404	2170806	2	ADAPTER, BRANCH TEE, (includes o-ring)	
405	1001097466	2	HOSE ASSY	
406	2144605	4	ADAPTER, CONNECTOR, (includes o-ring)	
503	2144605	2	ADAPTER, CONNECTOR, (includes o-ring)	
504	2170806	1	ADAPTER, BRANCH TEE, (includes o-ring)	
505	1001097466	1	HOSE ASSY	

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FIGURE 8-8. BOOM JOYSTICK CIRCUIT G6-42A



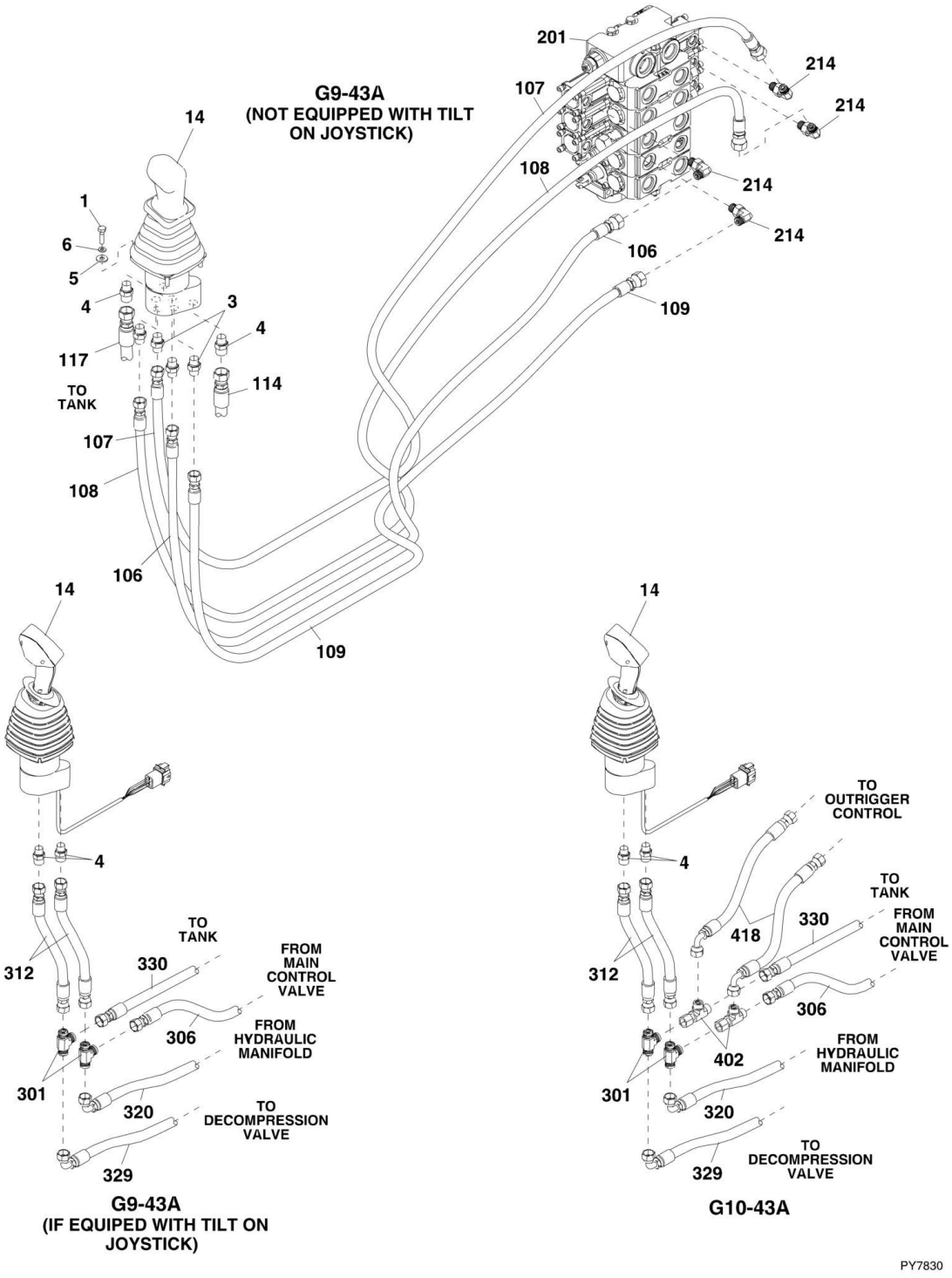
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FIGURE 8-8. BOOM JOYSTICK CIRCUIT G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	0641408	4	HEX HD CAPSCREW, 1/4-20X1, GR5	
6	2110406	4	ADAPTER, CONNECTOR, (includes o-ring)	
7	2110606	2	ADAPTER, CONNECTOR, (includes o-ring)	
9	4751400	4	WASHER, 1/4	
10	4761400	4	LOCKWASHER, 1/4	
15		Ref	BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown)	
107		Ref	HOSE ASSY, (See DUMP CIRCUIT for Breakdown)	
110	1001135966	1	HOSE ASSY	
111	1001135967	1	HOSE ASSY	
112	1001135968	1	HOSE ASSY	
113	1001135969	1	HOSE ASSY	
117		Ref	HOSE ASSY, (See SUPPLY CIRCUIT for Breakdown)	
201	2110406	1	ADAPTER, CONNECTOR, (includes o-ring)	
207	2170206	3	ADAPTER, 90, (includes o-ring)	
210	2130606	1	ADAPTER, 90, (includes o-ring)	
213		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

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FIGURE 8-9. BOOM JOYSTICK CIRCUIT G9-43A & G10-43A



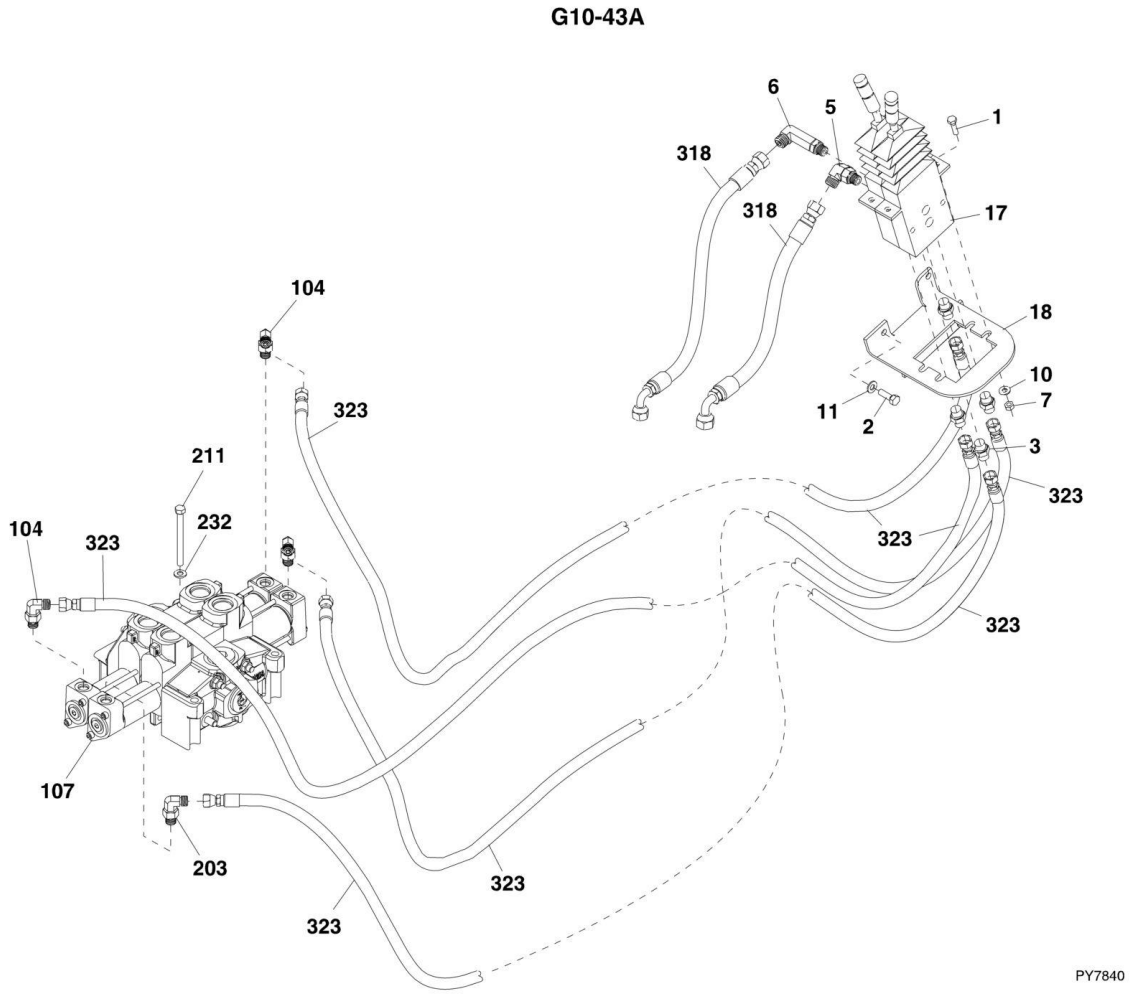
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FIGURE 8-9. BOOM JOYSTICK CIRCUIT G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	0641408	4	HEX HD CAPSCREW, 1/4-20X1, GR5	
3	2110406	4	ADAPTER, CONNECTOR, (includes o-ring)	
4	2110606	2	ADAPTER, CONNECTOR, (includes o-ring)	
5	4751400	4	WASHER, 1/4	
6	4761400	4	LOCKWASHER, 1/4	
14		Ref	BOOM JOYSTICK, (See CONTROLS SECTION for Breakdown)	
106	1001135966	1	HOSE ASSY	
107	1001135967	1	HOSE ASSY	
108	1001135968	1	HOSE ASSY	
109	1001135969	1	HOSE ASSY	
114		Ref	HOSE ASSY, (See SUPPLY CIRCUIT for Breakdown)	
117		Ref	HOSE ASSY, (See DUMP CIRCUIT for Breakdown)	
201		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
214	2130406	4	ADAPTER, 90, (includes o-ring), (G9-43A, not equipped with tilt on joystick), (G10-43A)	
214	2130606	4	ADAPTER, 90, (includes o-ring), (G9-43A, if equipped with tilt On joystick)	
301	2170506	2	ADAPTER, RUN TEE, (includes o-ring)	
306	1001132395	1	HOSE ASSY	
312	1001136439	2	HOSE ASSY	
320	1001132394	1	HOSE ASSY	
329		Ref	HOSE ASSY, (See AUXILIARY HYDRAULIC CIRCUIT for Breakdown)	
330	1001132417	1	HOSE ASSY	
402	2170706	2	ADAPTER, RUN TEE, (includes o-ring)	
418	1001152168	2	HOSE ASSY	

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FIGURE 8-10. OUTRIGGER CONTROLLER



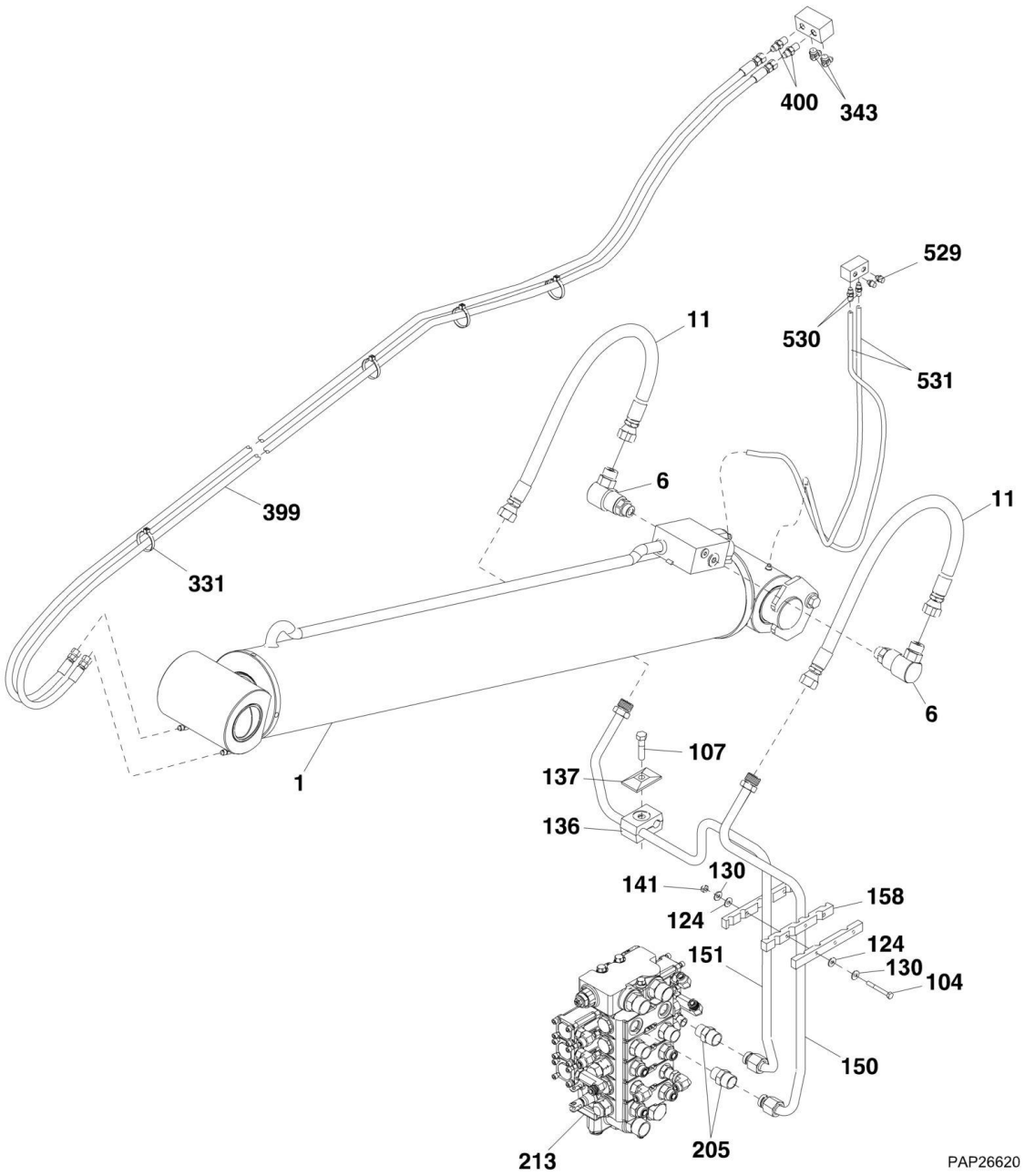
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FIGURE 8-10. OUTRIGGER CONTROLLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	0641408	4	HEX HD CAPSCREW, 1/4-20X1, GR5	
2	0641508	3	HEX HD CAPSCREW, 5/16-18X1, GR5	
3	2110406	4	ADAPTER, CONNECTOR, (includes o-ring)	
5	2130606	1	ADAPTER, 90, (includes o-ring)	
6	2170206	1	ADAPTER, 90, (includes o-ring)	
7	3311405	4	HEX LOCKNUT, 1/4-20	
10	4711400	4	WASHER, 1/4	
11	4711500	3	WASHER, 5/16	
17		Ref	CONTROLLER, (See CONTROLS SECTION for Breakdown)	
18	1001090021	1	BRACKET	
104	2130406	4	ADAPTER, 90, (includes o-ring)	
107		Ref	OUTRIGGER VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
211	0641520	3	HEX HD CAPSCREW, 5/16-18X2-1/2, GR5	
232	4711500	3	WASHER, 5/16	
318		Ref	HOSE ASSY, (See BOOM JOYSTICK CIRCUIT for Breakdown)	
323	1001136489	4	HOSE ASSY	

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FIGURE 8-11. LIFT CYLINDER CIRCUIT



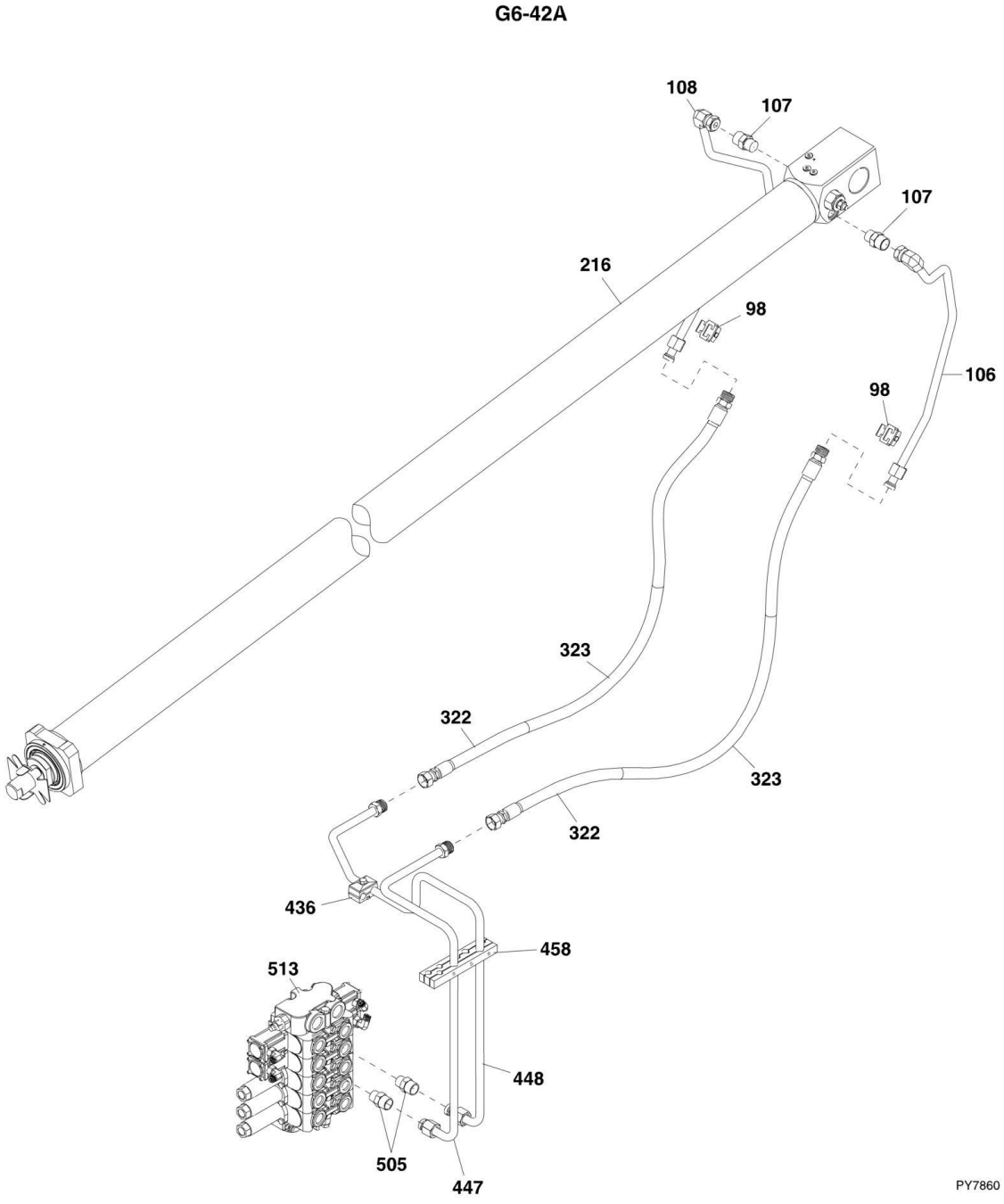
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FIGURE 8-11. LIFT CYLINDER CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	LIFT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
6	1001001250	2	FITTING, 90, (G6-42A)	
6	2131212	2	FITTING, 90, (G9-43A & G10-43A)	
11	1001098560	2	HOSE ASSY, (G6-42A)	
11	1001105159	2	HOSE ASSY, (G9-43A & G10-43A)	
104	0641418	3	HEX HD CAPSCREW, 1/4-20X 1/4, GR52, (G6-42A)	
104	0641430	4	HEX HD CAPSCREW, 1/4-20X3-3/4, GR5 (G9-43A & G10-43A)	
107	0641511	1	HEX HD CAPSCREW, 5/16-18X1-3/8, GR5	
124	4751400	8	WASHER, 1/4	
130	4761400	4	LOCKWASHER, 1/4 (G9-43A & G10-43A)	
136	77133139	1	CLAMP SET	
137	77133140	1	COVER PLATE	
141	3311401	4	HEX NUT, 1/4-20 (G6-42A)	
150	88521304	1	HEX NUT, 1/4-20, (G9-43A & G10-43A)	
150	1001098932	1	TUBE ASSEMBLY, (G6-42A)	
150	1001113495	1	TUBE ASSEMBLY, (G9-43A & G10-43A)	
151	1001098933	1	TUBE ASSEMBLY, (G6-42A)	
151	1001113496	1	TUBE ASSEMBLY, (G9-43A & G10-43A)	
158	1001117929	1	CLAMP, (G6-42A)	
158	1001126756	1	CLAMP (G9-43A & G10-43A)	
205	2111010	2	ADAPTER, CONNECTOR, (includes o-ring), (G6-42A)	
205	2111212	2	STRAIGHT FITTING, (includes o-ring), (G9-43A & G10-43A)	
213		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
331	86683122	6	TIE-WRAP	
343	2160001	2	GREASE FITTING, 1/8, (G6-42A)	
343	2160002	2	GREASE FITTING, 1/8, (G9-43A & G10-43A)	
399	84718545	2	HYDRAULIC HOSE	
400	88661002	2	ADAPTER, CONNECTOR	
529	2160002	2	GREASE FITTING, STRAIGHT, (G9-43A & G10-43A)	
530	88661002	2	ADAPTER, CONNECTOR, (G9-43A & G10-43A)	
531	84719940	2	GREASE HOSE, (G9-43A & G10-43A)	

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FIGURE 8-12. EXTEND/RETRACT CYLINDER CIRCUIT G6-42A



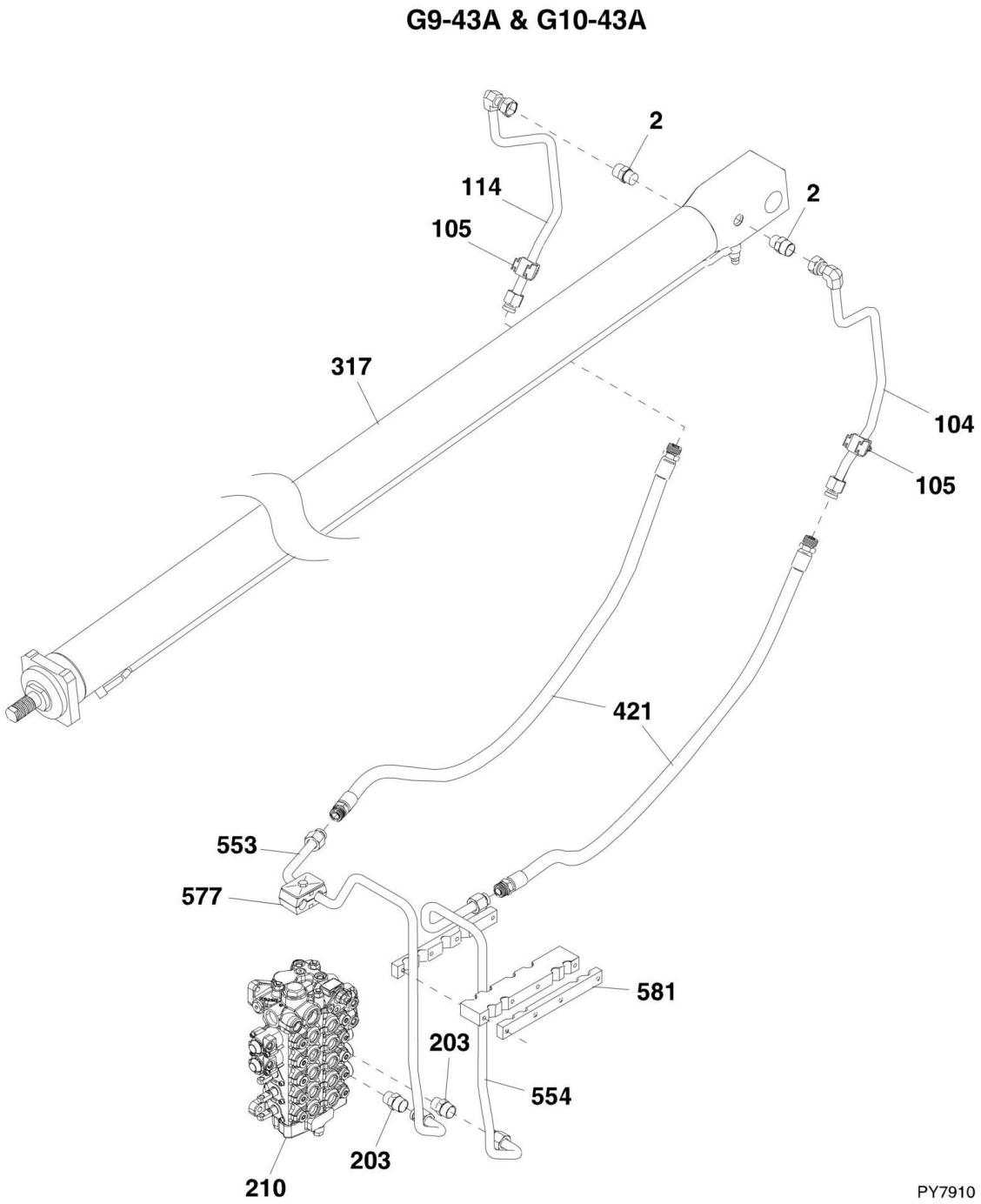
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FIGURE 8-12. EXTEND/RETRACT CYLINDER CIRCUIT G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
98	91083214	2	CUSHION CLAMP	
106	1001098362	1	HYDRAULIC TUBE	
107	2111010	2	ADAPTER, CONNECTOR, (includes o-ring)	
108	1001098363	1	HYDRAULIC TUBE	
216		Ref	CROWD CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
322	1001101593	2	HOSE ASSY	
323	4100026	36 in	NYLON HOSE SLEEVE	
436		Ref	CLAMP, (See LIFT CYLINDER CIRCUIT for Breakdown)	
447	1001097788	1	HYDRAULIC TUBE	
448	1001098360	1	HYDRAULIC TUBE	
458		Ref	CLAMP, (See LIFT CYLINDER CIRCUIT for Breakdown)	
505	2111010	2	ADAPTER, CONNECTOR, (includes o-ring)	
513		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

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FIGURE 8-13. EXTEND/RETRACT CYLINDER CIRCUIT G9-43A & G10-43A



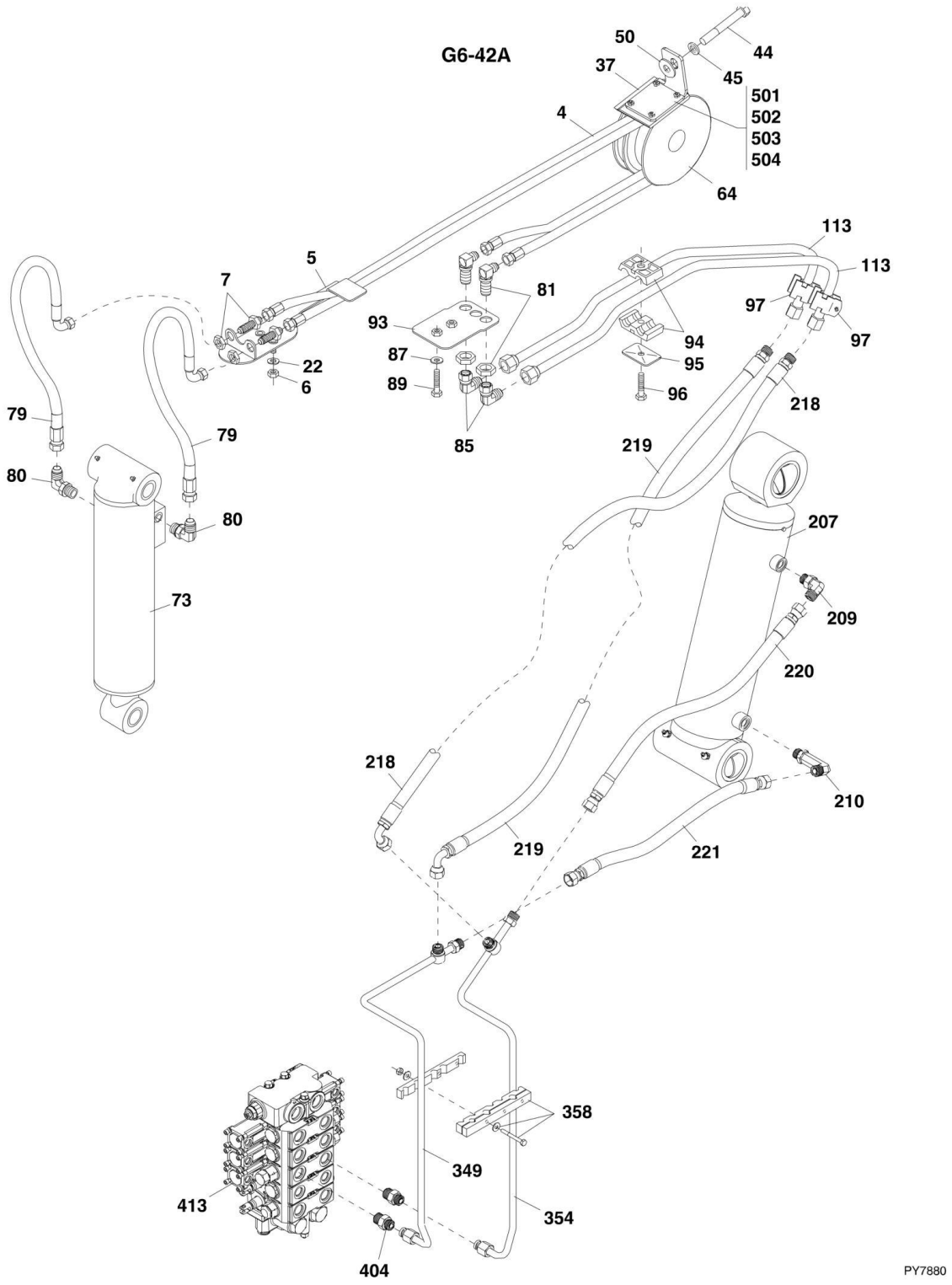
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FIGURE 8-13. EXTEND/RETRACT CYLINDER CIRCUIT G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
2	2111212	2	CONNECTOR, (includes o-ring)	
104	1001107162	1	TUBE ASSY, (left)	
105	90207463	2	CLAMP	
114	1001102093	1	TUBE ASSY, (right)	
203	2111212	2	CONNECTOR, (includes o-ring)	
210		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
317		Ref	CROWD CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
421	1001103060	2	HOSE ASSY	
553	1001113497	1	PIPE ASSY	
554	1001113498	1	PIPE ASSY	
577		Ref	TWIN CLAMP, (See LIFT CYLINDER CIRCUIT for Breakdown)	
581		Ref	TUBES CLAMP, (See LIFT CYLINDER CIRCUIT for Breakdown)	

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FIGURE 8-14. TILT CYLINDER AND COMPENSATING CYLINDER CIRCUIT G6-42A



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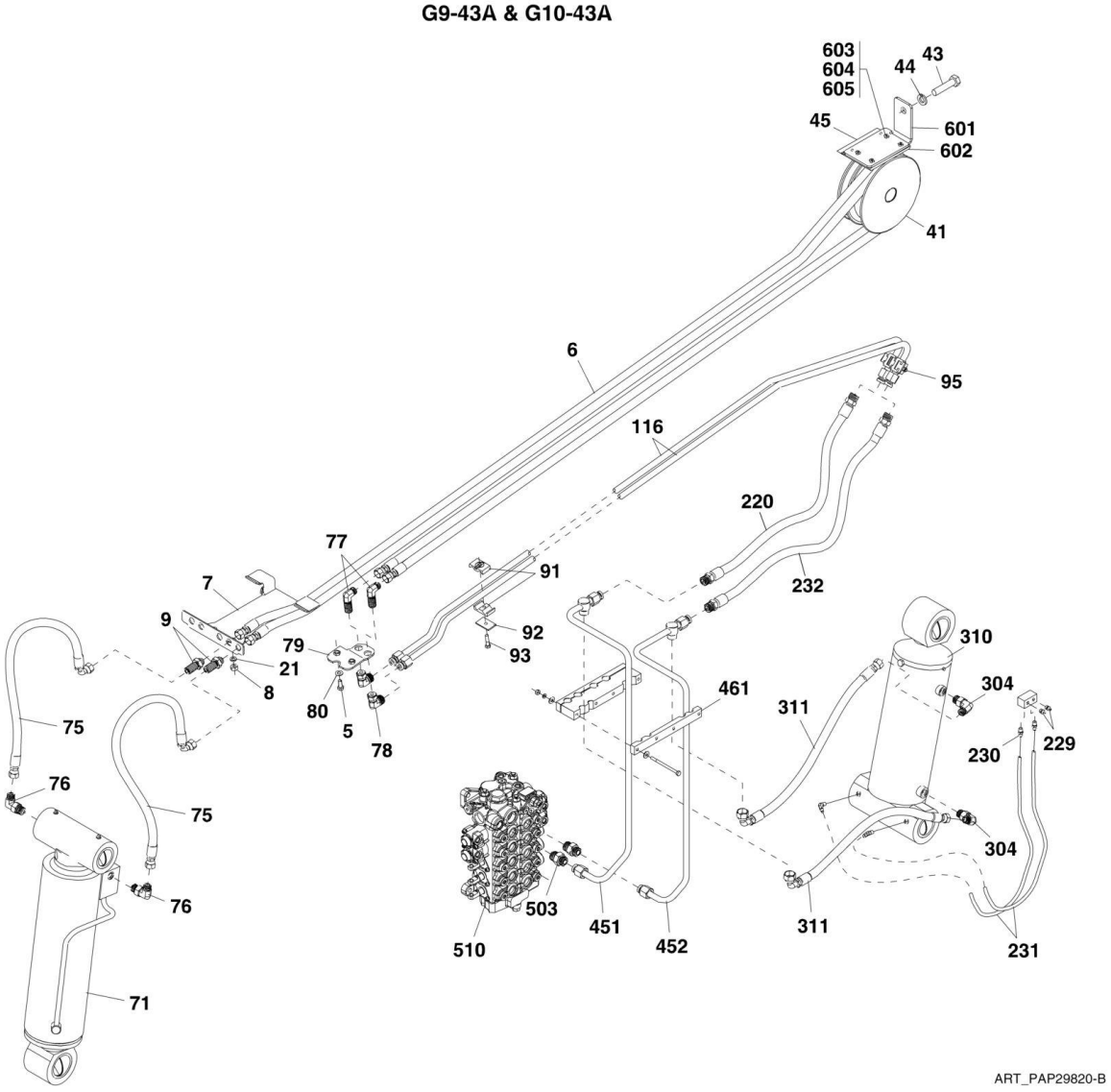
FIGURE 8-14. TILT CYLINDER AND COMPENSATING CYLINDER CIRCUIT G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
4	1001112207	1	TWIN LINE HOSE ASSY	
5	0903293	1	HOSE RETAINER	
6	88501006	2	HEX NUT, 3/8-16	
7	2171106	2	BULKHEAD UNION, 3/8	
22	4761600	2	LOCKWASHER, 3/8	
37	91405085	1	HOSE RETAINER ASSY, (includes items 501 thru 504)	A
44	0641829	1	HEX HD CAPSCREW, 1/2-13X3-5/8, GR5	
45	4761800	1	SPRING LOCKWASHER, 1/2	
50	4751800	1	WASHER, 1/2	
64	3580347	1	HOSE SHEAVE PULLY	
73		Ref	TILT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
79	1001101617	2	HOSE ASSY	
80	2130610	2	ELBOW, 90, (includes o-ring)	
81	2171206	2	BULKHEAD FITTING, 90	
85	2221253	2	FITTING, 90	
87	4711600	2	FLAT WASHER, 3/8	
89	0641607	4	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
93	1001090364	1	HOSE BRACKET	
94	77133168	3	CLAMP SET	
95	77133140	3	COVER PLATE	
96	0641511	3	HEX HD CAPSCREW, 0.312-18X1.375, GR5	
97	91083216	2	CLAMP ASSY	
113	1001001332	1	TUBE ASSY	
207		Ref	COMPENSATION CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
209	2130808	1	ELBOW, 90	
210	2170208	1	ELBOW, 90	
218	1001101588	1	HOSE ASSY	
219	1001101589	1	HOSE ASSY	
220	1001101591	1	HOSE ASSY	
221	1001101592	1	HOSE ASSY	
349	1001098361	1	TUBE ASSY	
354	1001102623	1	TUBE ASSY	
358		Ref	TUBE CLAMP, (See LIFT CYLINDER CIRCUIT for Breakdown)	
404	2110810	2	ADAPTER, CONNECTOR, (includes o-ring)	
413		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
501	91401435	1	HOSE RETAINER	
502	91403499	1	PAD	
503	88241023	4	FLAT HD CAPSCREW, #10-24X5/8	
504	88501612	4	HEX NUT, #10-24	

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SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-15. TILT CYLINDER AND COMPENSATING CYLINDER CIRCUIT G9-43A & G10-43A



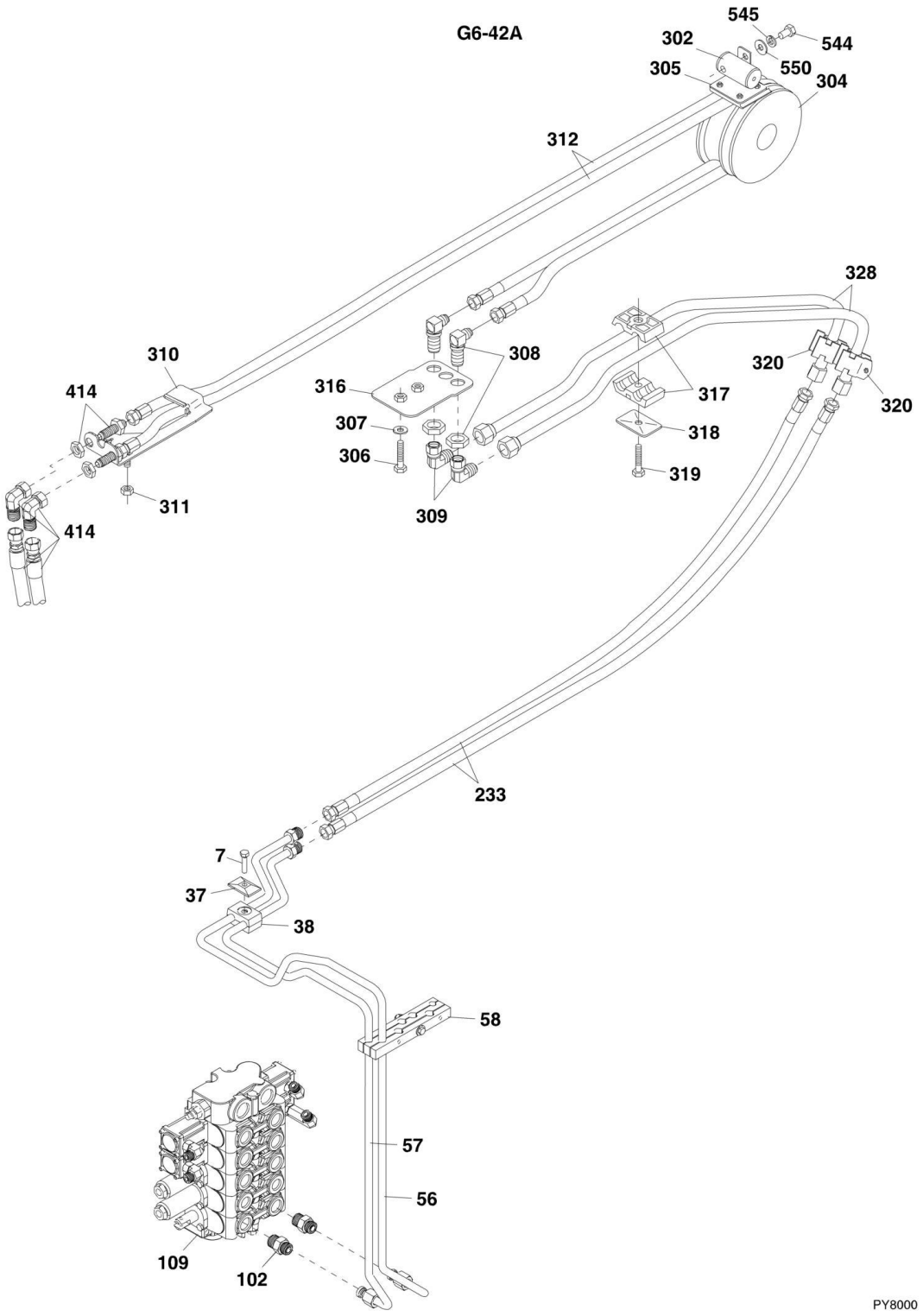
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FIGURE 8-15. TILT CYLINDER AND COMPENSATING CYLINDER CIRCUIT G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
5	0641607	2	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
6	1001102977	1	TWIN LINE HOSE	
7	1001113353	1	HOSE SUPPORT	
8	3311602	2	HEX NUT, 3/8-16	
9	2171108	2	BULKHEAD	
21	4761600	2	LOCKWASHER, 3/8	
41	3580346	1	HOSE SEAVE	
43	0641832	1	HEX HD CAPSCREW, 1/2-13X4, GR5	
44	4761800	2	LOCKWASHER, 1/2	
45	91515002	1	HOSE RETAINER ASSY, (includes items 601 thru 605)	E
71		Ref	TILT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
75	1001103293	2	HOSE ASSY	
76	2130810	2	ADAPTER, 90, (includes o-ring)	
77	2171208	2	BULKHEAD, 90	
78	2221254	2	BULKHEAD, 90, (swivel nut)	
79	1001090125	1	HOSE BRACKET	
80	4711600	2	FLAT WASHER, 3/8	
91	77133139	4	CLAMP SET	
92	77133140	4	COVER PLATE	
93	77133177	4	HEX BOLT, 5/16X1-3/8	
95	91083217	2	CLAMP	
116	1001001340	1	TUBE ASSY	
220	1001103057	1	HOSE ASSY	
229	2160002	2	GREASE FITTING, STRAIGHT	
230	88661002	2	ADAPTER, CONNECTOR	
231	84719940	2	GREASE HOSE ASSY	
232	1001153342	1	HOSE ASSY	
304	2130810	2	ADAPTER, 90, (includes o-ring)	
310		Ref	COMPENSATION CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
311	1001103039	2	HOSE ASSY	
451	1001113495	1	PIPE ASSY	
452	1001113496	1	PIPE ASSY	
461		Ref	TUBE CLAMP, (See LIFT CYLINDER CIRCUIT for Breakdown)	
503	2111212	2	ADAPTER, CONNECTOR, (includes o-ring)	
510		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
601	91511050	1	HOSE RETAINER	
602	91513026	1	PAD	
603	0741005	4	FLAT HD SOCKET SCREW, #10-24X5/8	
604	88501612	4	HEX NUT, #10-24	
605	0100003	AR	LOCTITE 277	

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FIGURE 8-16. AUXILIARY HYDRAULIC CIRCUIT G6-42A



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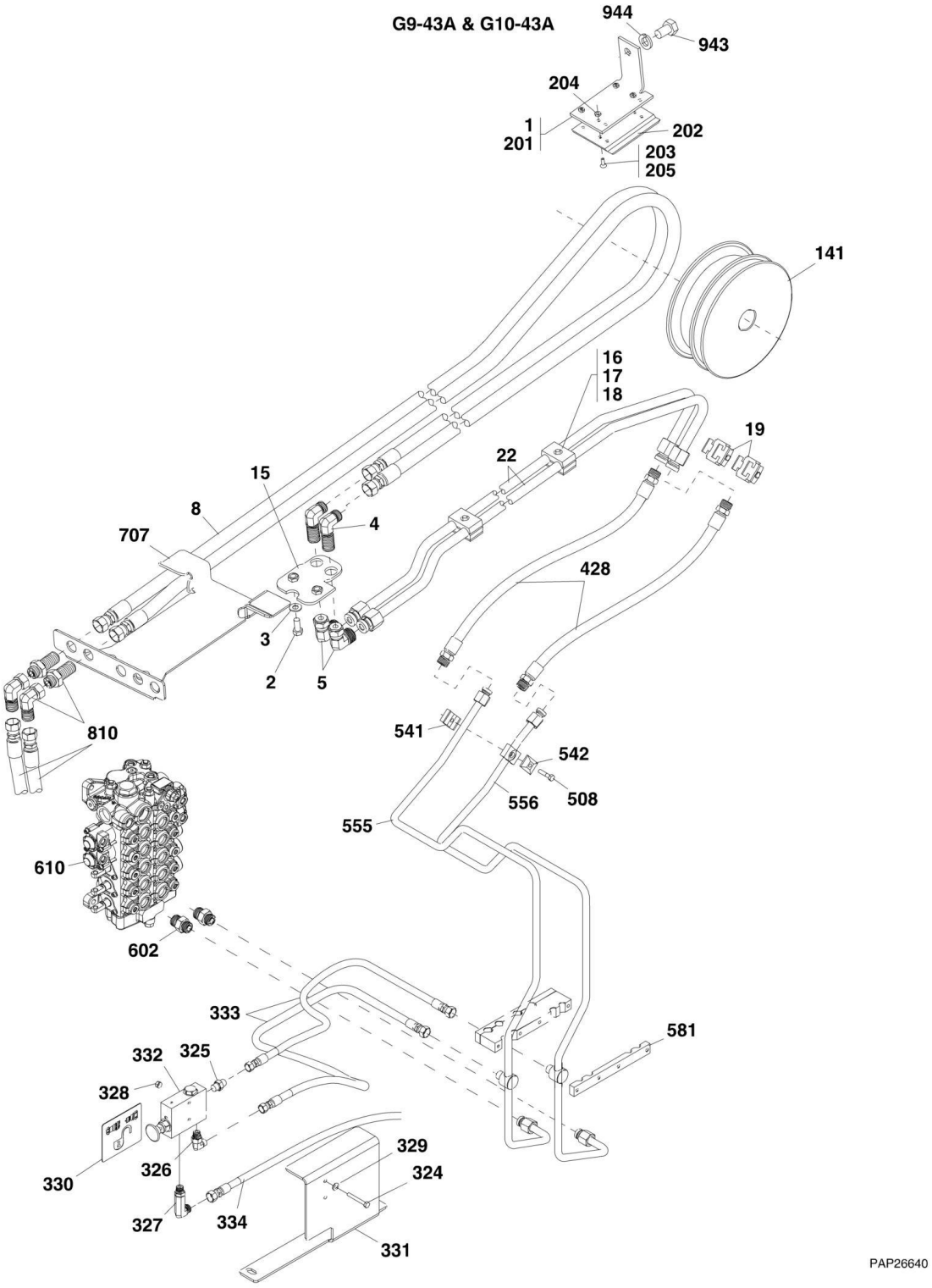
FIGURE 8-16. AUXILIARY HYDRAULIC CIRCUIT G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
7	0641511	1	HEX HD CAPSCREW, 5/16-18X1-3/8, GR5	
37	77133140	1	COVER PLATE	
38	77133168	1	CLAMP SET	
56	1001117887	1	TUBE ASSY	
57	1001117888	1	TUBE ASSY	
58		Ref	TUBE CLAMP, (See LIFT CYLINDER CIRCUIT for Breakdown)	
102	2110810	2	ADAPTER, STRAIGHT, (includes o-ring)	
109		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
233	1001120497	2	HOSE ASSY	
	1001100092	1	AUX HYDRAULICS ASSY, (includes items 302 thru 328)	F
302	91403127	1	THRUST WASHER	
304	3580347	1	HOSE SHEAVE PULLY	
305	91405086	1	HOSE RETAINER ASSY, (includes the following items)	B
305	91401436	1	HOSE RETAINER, RH	
305	91403499	1	PAD	
305	88241023	4	SOCKET FLAT HD CAPSCREW, #10-24X5/8	
305	88501612	4	HEX NUT, #10-24	
306	0641607	2	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
307	4711600	2	FLAT WASHER, 3/8	
308	2171206	2	BULKHEAD FITTING, 90, (includes o-ring)	
309	2221253	2	ELBOW, 90	
310	1001101788	1	HOSE RETAINER	
311	88501006	2	HEX NUT, 3/8-16	
312	1001112207	1	HOSE ASSY	
316	1001090032	1	HOSE BRACKET	
317	77133168	3	CLAMP	
318	77133140	3	COVER PLATE	
319	0641511	3	HEX BOLT, 5/16X1-3/8	
320	91083216	2	HOSE CLAMP	
321	91403126	1	THRUST WASHER	
328	1001001333	2	HYDRAULIC TUBE	
414		Ref	HYDRAULIC INSTALLATION, (See BOOM SECTION for Breakdown)	
544	0641829	1	HEX HD CAPSCREW, 1/2-13X3-5/8, GR5	
545	4761800	1	LOCKWASHER, 1/2	
550	4751800	1	WASHER, 1/2	

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SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-17. AUXILIARY HYDRAULIC CIRCUIT G9-43A & G10-43A



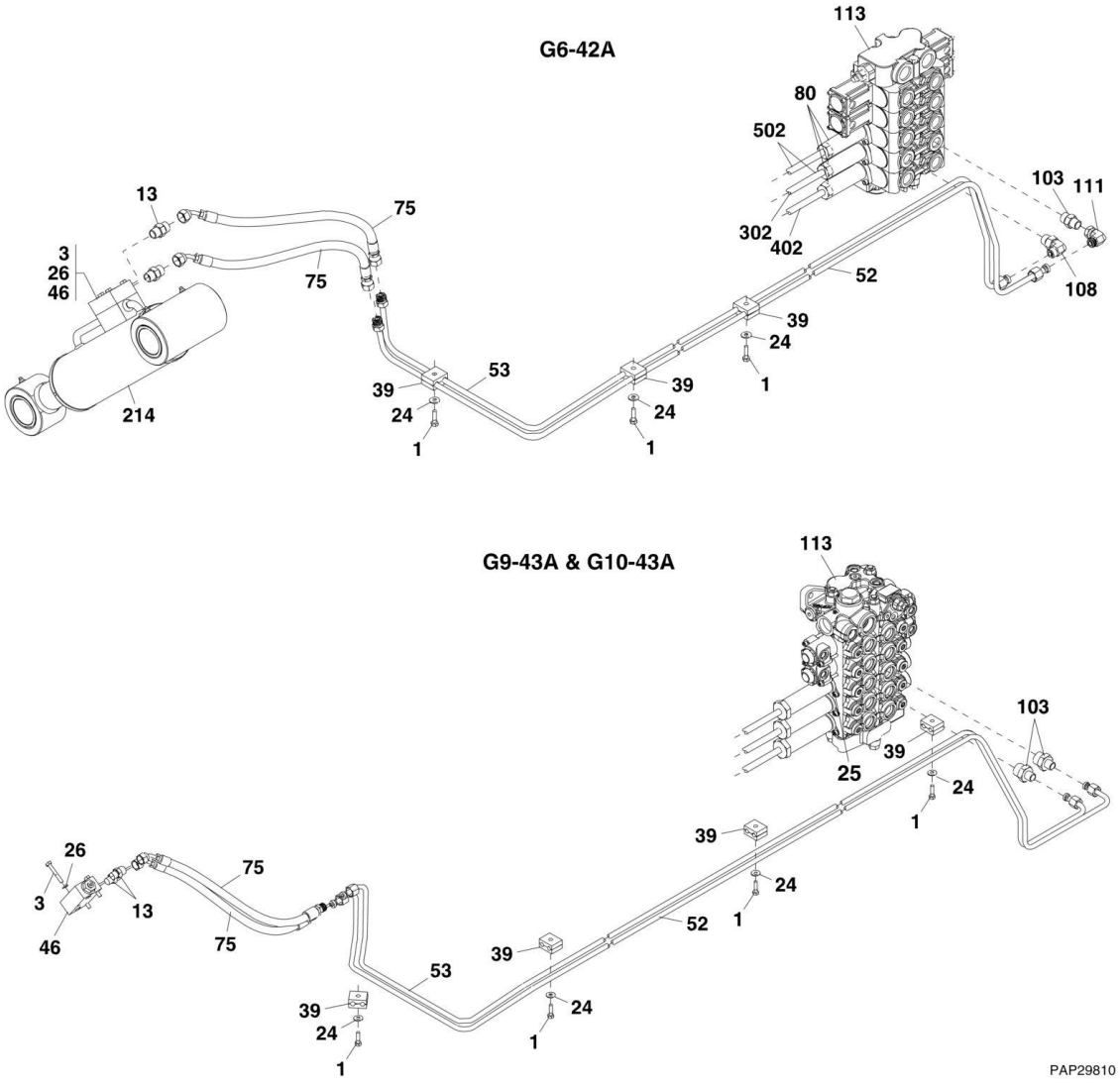
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FIGURE 8-17. AUXILIARY HYDRAULIC CIRCUIT G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	91515028	1	HOSE RETAINER ASSY, (includes items 201 thru 205)	D
2	0641607	2	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
3	4711600	2	FLAT WASHER, 3/8	
4	2171208	2	BULKHEAD, 90	
5	2221254	2	ELBOW, 90, (swivel nut)	
8	1001102977	1	TWIN LINE HOSE	
15	1001090126	1	HOSE BRACKET	
16	77133139	4	CLAMP SET	
17	77133140	4	COVER PLATE	
18	77133177	4	HEX BOLT, 5/16X1-3/8	
19	91083217	2	CLAMP	
22	1001001341	2	TUBE ASSY	
26	2172108	2	ADAPTER, 90, (includes o-ring), (not shown)	
141	3580346	1	HOSE PULLEY	
201	91511111	1	HOSE RETAINER	
202	91513026	1	PAD	
203	88241023	4	FLAT HD SCREW, #10-24X5/8	
204	88501612	4	HEX NUT, #10-24	
205	14404102	AR	LOCTITE 277	
324	0641416	2	HEX HD CAPSCREW, 1/4-20X2, GR5	
325	2110406	1	ADAPTER, CONNECTOR, (includes o-ring)	
326	2130406	1	ADAPTER, 90, (includes o-ring)	
327	2170206	1	ADAPTER, 90, (long), (includes o-ring)	
328	3311401	2	HEX NUT, 1/4-20	
329	4761400	2	LOCKWASHER, 1/4	
330	91503112	1	DECOMPRESSION VALVE DECAL	
331	1001143207	1	DECOMPRESSION VALVE MOUNT PLATE	
332	1001143273	1	DECOMPRESSION VALVE	
333	1001143803	2	HOSE ASSY	
334	1001143809	1	HOSE ASSY	
428	1001098874	2	HOSE ASSY	
508	0641511	1	HEX HD CAPSCREW, 5/16-18X1-3/8, GR5	
541	77133139	1	CLAMP SET	
542	77133140	1	COVER PLATE	
555	1001143121	1	PIPE ASSY	
556	1001143122	1	PIPE ASSY	
581		Ref	TUBES CLAMP, (See LIFT CYLINDER CIRCUIT for Breakdown)	
602	2111012	2	CONNECTOR, (includes o-ring)	
610		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
707		Ref	HOSE SUPPORT, (See TILT CYLINDER AND COMPENSATING CYLINDER CIRCUIT for Breakdown)	
810		Ref	HYDRAULIC INSTALLATION, (See BOOM SECTION for Breakdown)	
943	0641832	1	HEX HD CAPSCREW, 1/2-13X4, GR5	
944	4761800	1	LOCKWASHER, 1/2	

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FIGURE 8-18. FRAME LEVEL CIRCUIT



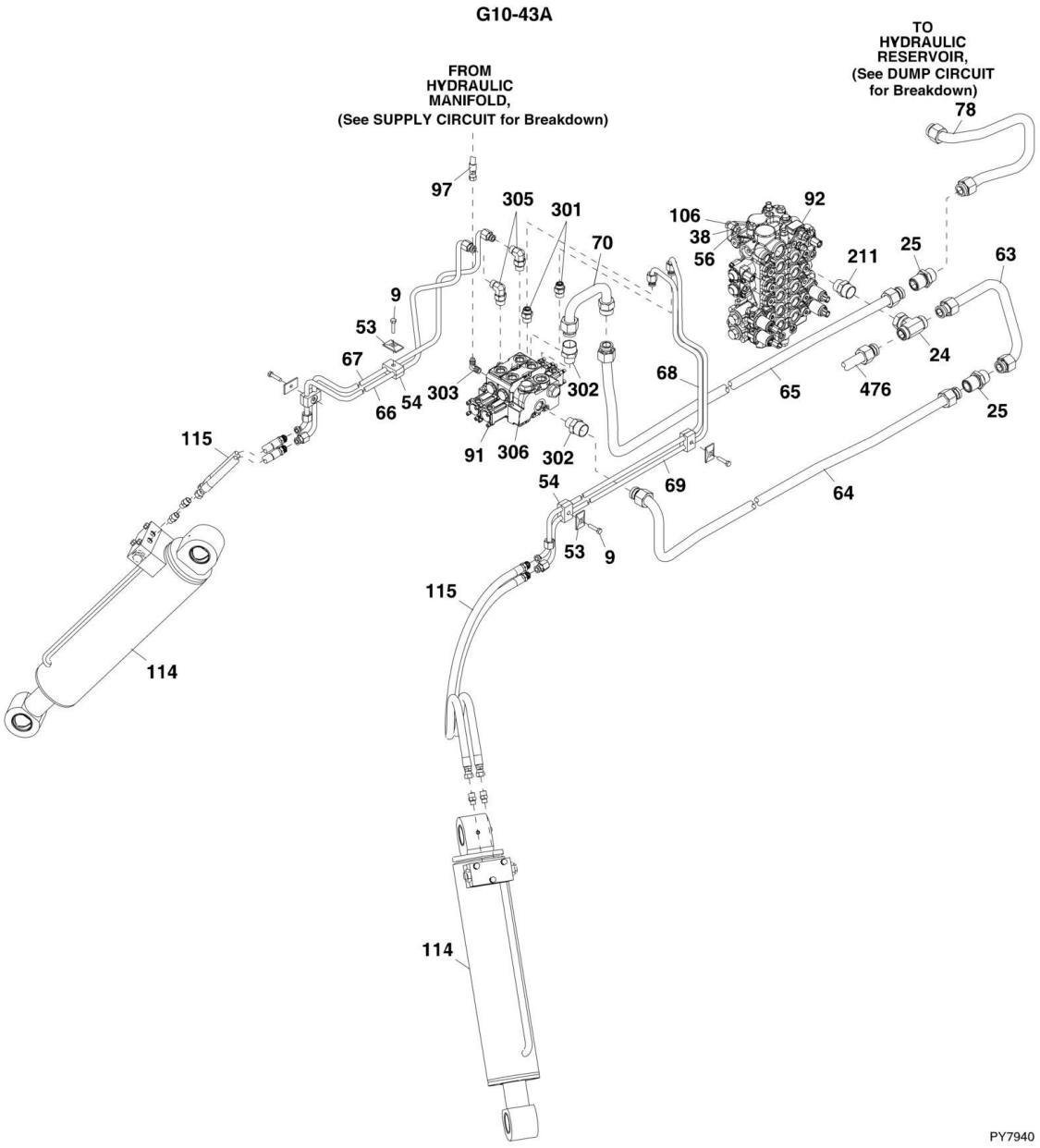
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FIGURE 8-18. FRAME LEVEL CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	0641408	3	HEX HD CAPSCREW, 1/4-20X1, GR5, (G6-42A)	
1	0641408	4	HEX HD CAPSCREW, 1/4-20X1, GR5, (G9-43A & G10-43A)	
3	0641414	3	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5	
13	2110606	2	ADAPTER, CONNECTOR, (includes o-ring)	
24	4751400	3	WASHER, 1/4, (G6-42A)	
24	4751400	4	WASHER, 1/4, (G9-43A & G10-43A)	
25	4031709	2	HEX SOC HD SCR, M6 X 25 LG, (G9-43A, if equipped with tilt on joystick), (G10-43A)	
26	4761400	3	LOCKWASHER, 1/4	
39	77133270	3	CLAMP SET, (G6-42A)	
39	77133270	4	CLAMP SET, (G9-43A & G10-43A)	
46	91473188	1	FRAME LEVEL CYLINDER VALVE	
52	1001101615	1	HYDRAULIC PIPE, (G6-42A)	
52	1001105339	1	HYDRAULIC PIPE, (G9-43A & G10-43A)	
53	1001101616	1	HYDRAULIC PIPE, (G6-42A)	
53	1001105338	1	HYDRAULIC PIPE, (G9-43A & G10-43A)	
75	1001096957	2	HOSE ASSEMBLY, (G6-42A)	
75	1001118560	2	HOSE ASSEMBLY, (G9-43A & G10-43A)	
80	91123062	3	CABLE ADAPTER BONNET, (G6-42A)	
80	91513124	3	CABLE ADAPTER BONNET, (G9-43A)	
80	91513124	1	CABLE ADAPTER BONNET, (G9-43A, if equipped with tilt on joystick), (G10-43A)	
103	2110608	1	ADAPTER, CONNECTOR, (includes o-ring), (G6-42A)	
103	2110612	2	ADAPTER, CONNECTOR, (includes o-ring), (G9-43A & G10-43A)	
108	2130608	1	ADAPTER, 90, (includes o-ring)	
111	2172106	1	ADAPTER, 90, (includes o-ring)	
113		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
214		Ref	FRAME LEVEL CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
302		Ref	FRAME LEVEL CONTROL, (See CONTROLS SECTION for Breakdown)	
402		Ref	AUXILIARY HYDRAULIC CONTROL, (See CONTROLS SECTION for Breakdown)	
502		Ref	TILT AND FRAME LEVEL CONTROL, (See CONTROLS SECTION for Breakdown)	

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FIGURE 8-19. OUTRIGGER CIRCUIT



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FIGURE 8-19. OUTRIGGER CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
9	0641511	4	HEX HD CAPSCREW, 5/16-18X1-3/8, GR5	
24	2170816	1	ADAPTER, BRANCH TEE, (includes o-ring)	
25	2171116	2	FITTING, BULKHEAD UNION	
38	4761600	8	LOCKWASHER, 3/8	
53	77133140	4	COVER PLATE	
54	77133168	4	CLAMP SET	
56	88501006	4	HEX NUT, 3/8-16	
63	1001105751	1	HYDRAULIC PIPE	
64	1001105752	1	HYDRAULIC PIPE	
65	1001105753	1	HYDRAULIC PIPE	
66	1001105755	1	HYDRAULIC PIPE	
67	1001105756	1	HYDRAULIC PIPE	
68	1001105757	1	HYDRAULIC PIPE	
69	1001105758	1	HYDRAULIC PIPE	
70	1001108288	1	HYDRAULIC PIPE	
78	1001122395	1	HYDRAULIC PIPE	
91		Ref	OUTRIGGER CONTROL VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
92		Ref	OUTRIGGER MAIN CONTROL VALVE ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
97	1001132704	1	HOSE ASSY	
106	1001137203	4	CARRIAGE BOLT, 3/8-16X1-3/4	
114		Ref	OUTRIGGER CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
115	1001110738	4	HOSE ASSY	
211	2111616	1	ADAPTER, STRAIGHT, (includes o-ring)	
301	2110810	2	ADAPTER, STRAIGHT, (includes o-ring)	
302	2111612	2	ADAPTER, STRAIGHT, (includes o-ring)	
303	2130404	2	ADAPTER, 90, (includes o-ring)	
305	2130810	1	ADAPTER, STRAIGHT, (includes o-ring)	
306	2220240	3	ADAPTER, PLUG	
476		Ref	HYDRAULIC PRESSURE PIPE, (See SUPPLY CIRCUIT for Breakdown)	

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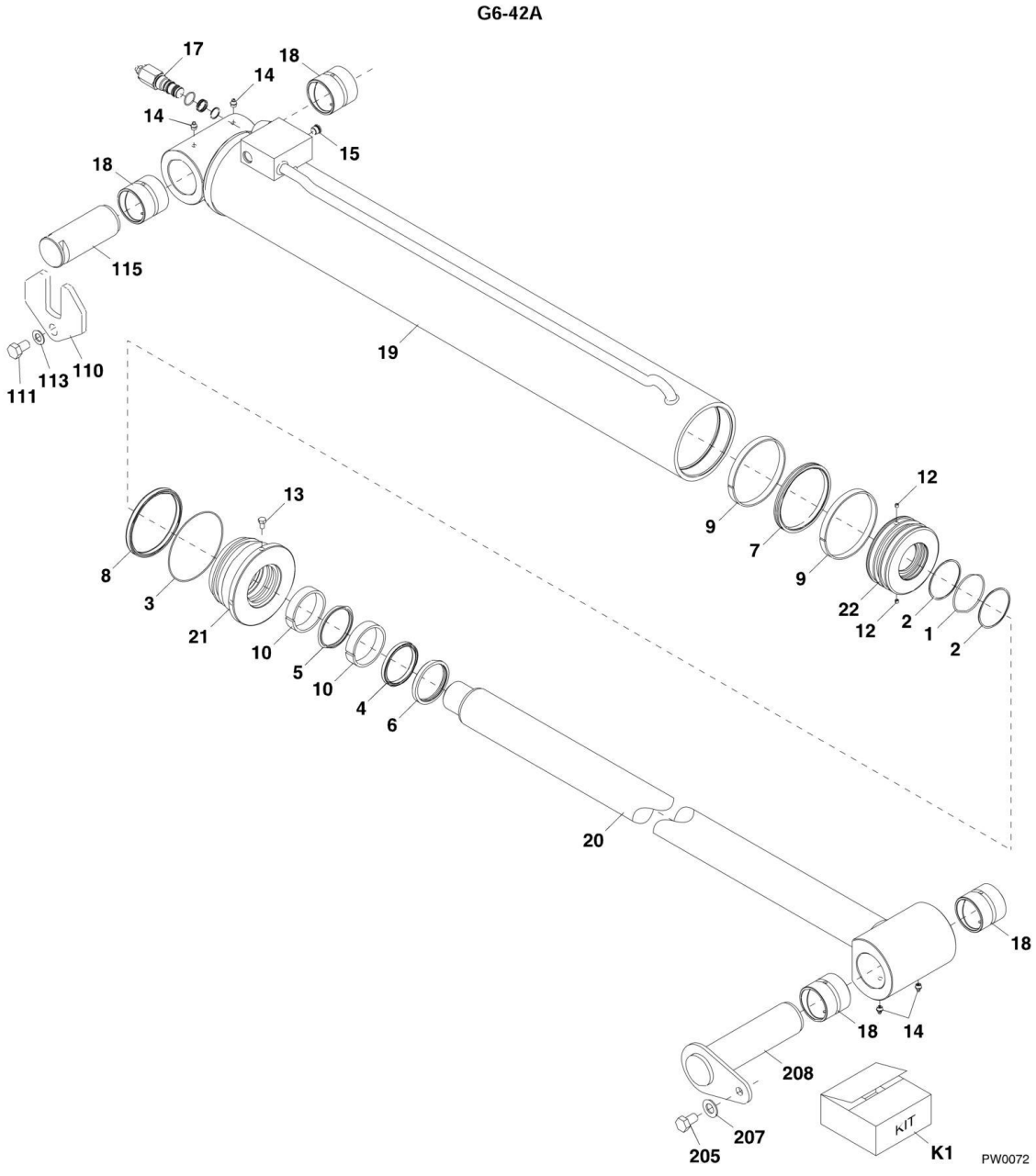
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SECTION 9 - HYDRAULIC COMPONENTS

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SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. LIFT CYLINDER G6-42A (Prior to SN 0160052707)



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FIGURE 9-1. LIFT CYLINDER G6-42A (Prior to SN 0160052707)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001101280	1	LIFT CYLINDER, (G6-42A), (includes items 1 thru 22)	E
1	Kit K1	1	O-RING	
2	Kit K1	2	BACK-UP	
3	Kit K1	1	O-RING	
4	Kit K1	1	SEAL	
5	Kit K1	1	SEAL	
6	Kit K1	1	WIPER	
7	Kit K1	1	SEAL	
8	Kit K1	1	SEAL	
9	Kit K1	2	WEAR RING	
10	Kit K1	2	WEAR RING	
12	70021757	2	SET SCREW	
13	70021630	1	SELF TAPPING SCREW	
14	7003242	4	LUBE FITTING	
15	70021648	1	PORT PLUG	
17	70023324	1	VALVE	
18	70021756	4	BUSHING	
19	70021958	1	TUBE ASSY	
20	70021754	1	ROD ASSY	
21	70021957	1	HEAD	
22	70021752	1	PISTON	
110	91471240	1	KEEPER PLATE	
111	0681810	1	HEX HD CAPSCREW, 1/2-13X1-1/4, GR8, (torque to 100-110 lb-ft)	
113	4891800	1	HARD WASHER, 1/2	
115	91473233	1	LIFT CYLINDER PIN	
205	0681810	1	HEX HD CAPSCREW, 1/2-13X1-1/4, GR8	
207	4891800	1	HARD WASHER, 1/2	
208	1001101703	1	LIFT CYLINDER PIN	
K1	70021758	1	SEAL KIT, (includes items 1 thru 10)	

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FIGURE 9-2. LIFT CYLINDER G6-42A (SN 0160052707 to Present)

G6-42A

INFORMATION NOT AVAILABLE AT TIME OF PUBLICATION

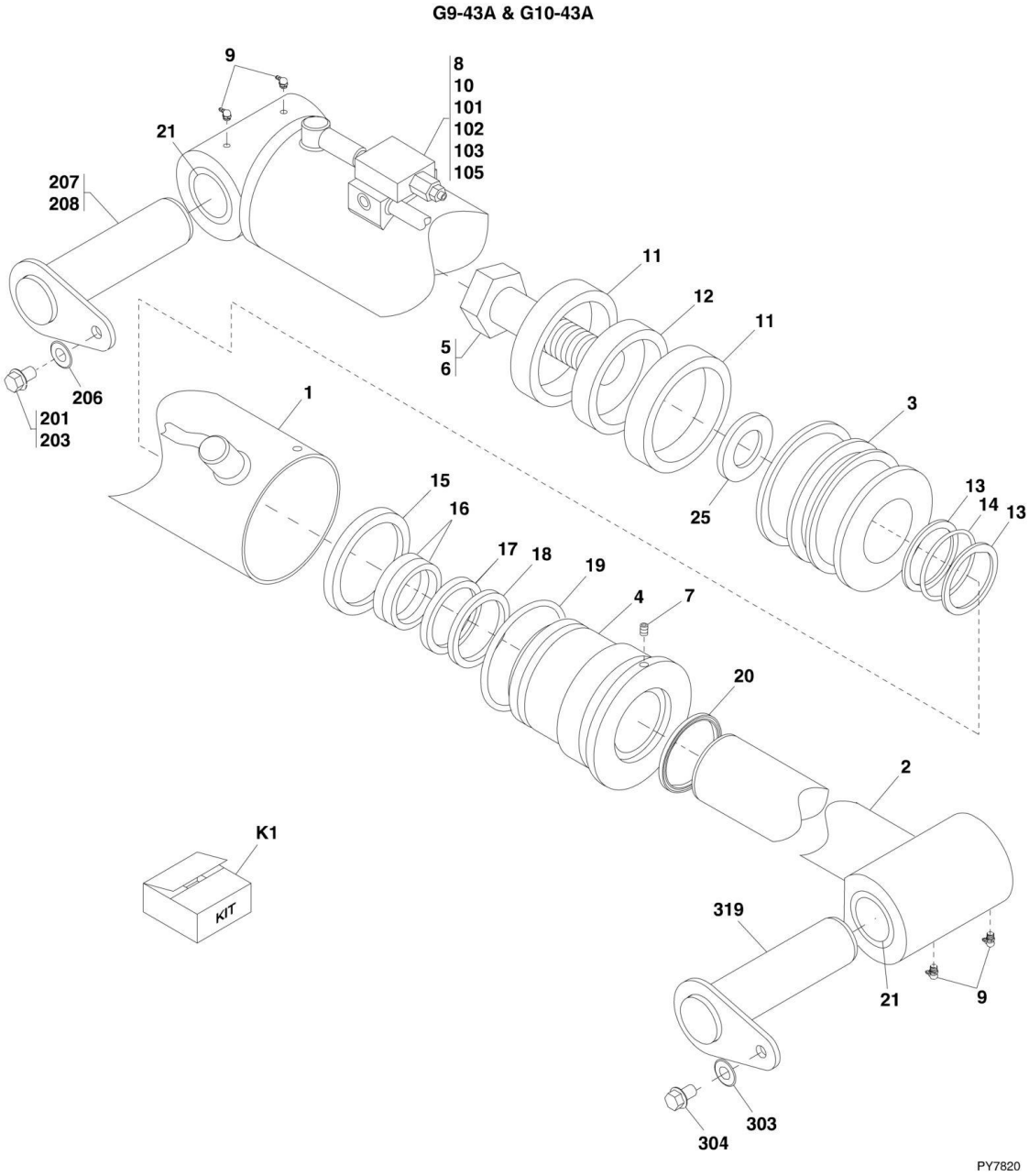
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FIGURE 9-2. LIFT CYLINDER G6-42A (SN 0160052707 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152917	1	LIFT CYLINDER, (G6-42A)	A

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FIGURE 9-3. LIFT CYLINDER G9-43A & G10-43A



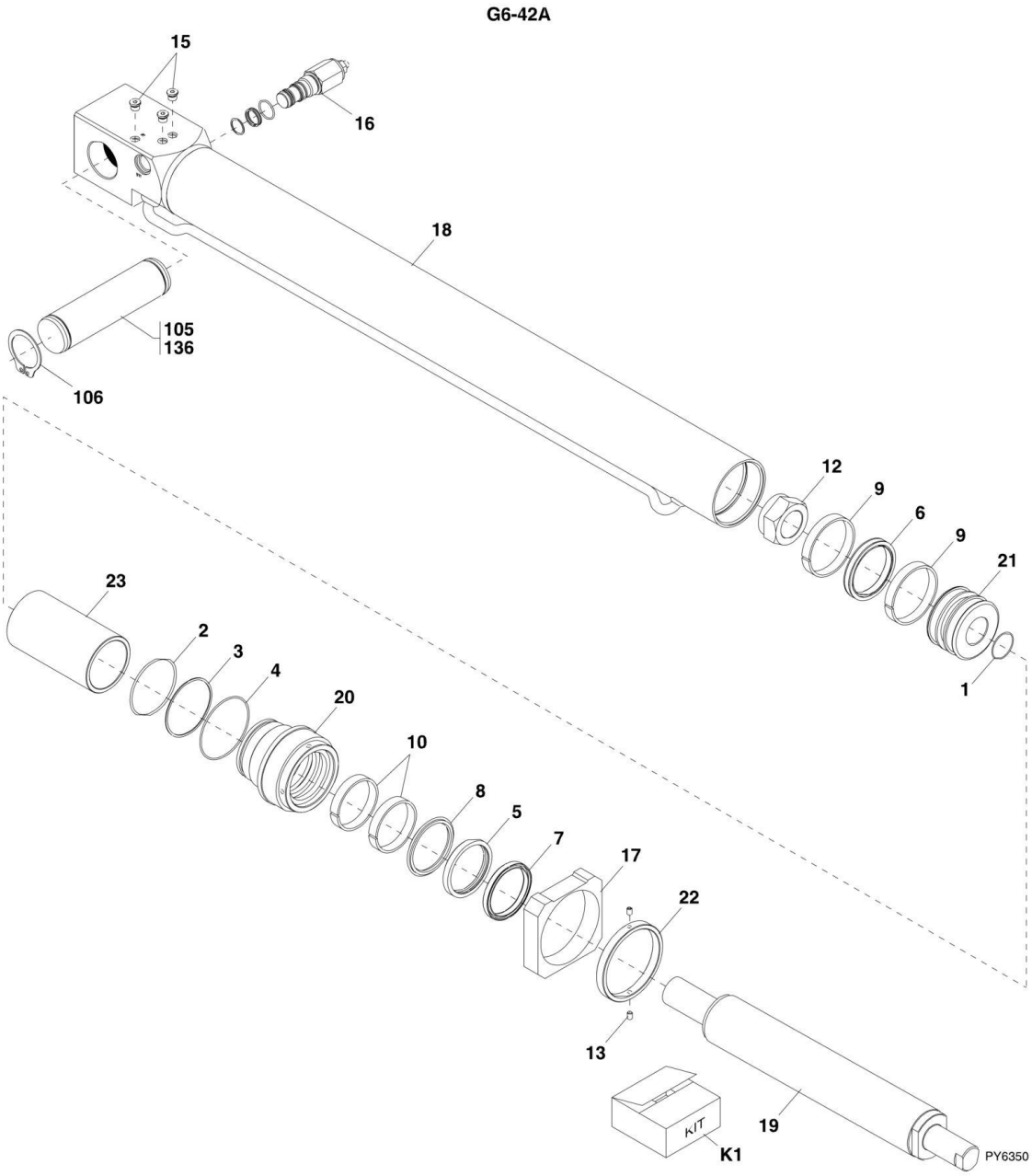
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FIGURE 9-3. LIFT CYLINDER G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108380	1	LIFT CYLINDER, (G9-43A & G10-43A), (includes items 1 thru 105)	E
	1001103347	Ref	LIFT CYLINDER, (not sold separately, use 1001108380 for replacement or use items 1 thru 21 for service)	E
1	70024266	1	BARREL ASSY	
2	70022058	1	ROD ASSY, (includes item 21)	
3	70022059	1	PISTON ASSY	
4	70022060	1	ROD BEARING ASSY	
5	70023293	1	CAPSCREW	
6	70022292	1	WASHER	
7	7029760	1	CAPSCREW	
8	70024267	2	O-RING	
9	91044080	4	GREASE FITTING	
10	70024268	4	CAPSCREW	
11	Kit K1	2	WEAR RING	
12	Kit K1	1	PISTON SEAL	
13	Kit K1	2	BACK-UP RING	
14	Kit K1	1	O-RING	
15	Kit K1	1	PISTON SEAL	
16	Kit K1	2	WEAR RING	
17	Kit K1	1	BUFFER SEAL	
18	Kit K1	1	ROD SEAL	
19	Kit K1	1	O-RING	
20	Kit K1	1	WIPER	
21	70022062	4	BUSHING	
101	0100011	AR	LOCTITE 242	
102	2131212	2	ELBOW, 90, (includes o-ring)	
103	4031913	4	SOCKET HD CAPSCREW, M8X45	
105	1001125714	1	HOLDING VALVE CARTRIDGE	
201	0100011	AR	LOCTITE 242	
203	0682010	1	HEX HD CAPSCREW, 5/8-11X1-1/4	
206	4892000	1	HARDENED WASHER, 5/8	
207	14403323	AR	NEVER-SEEZ LUBE	
208	91513279	1	CYLINDER PIN	
303	4892000	1	HARDENED WASHER, 5/8	
304	0682010	1	HEX HD CAPSCREW, 5/8-11X1-1/4	
319	1001101706	1	CYLINDER PIN	
K1	70022061	1	SEAL KIT, (includes items 11 thru 20)	

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FIGURE 9-4. EXTEND/RETRACT CYLINDER G6-42A (Prior to SN 0160057307)



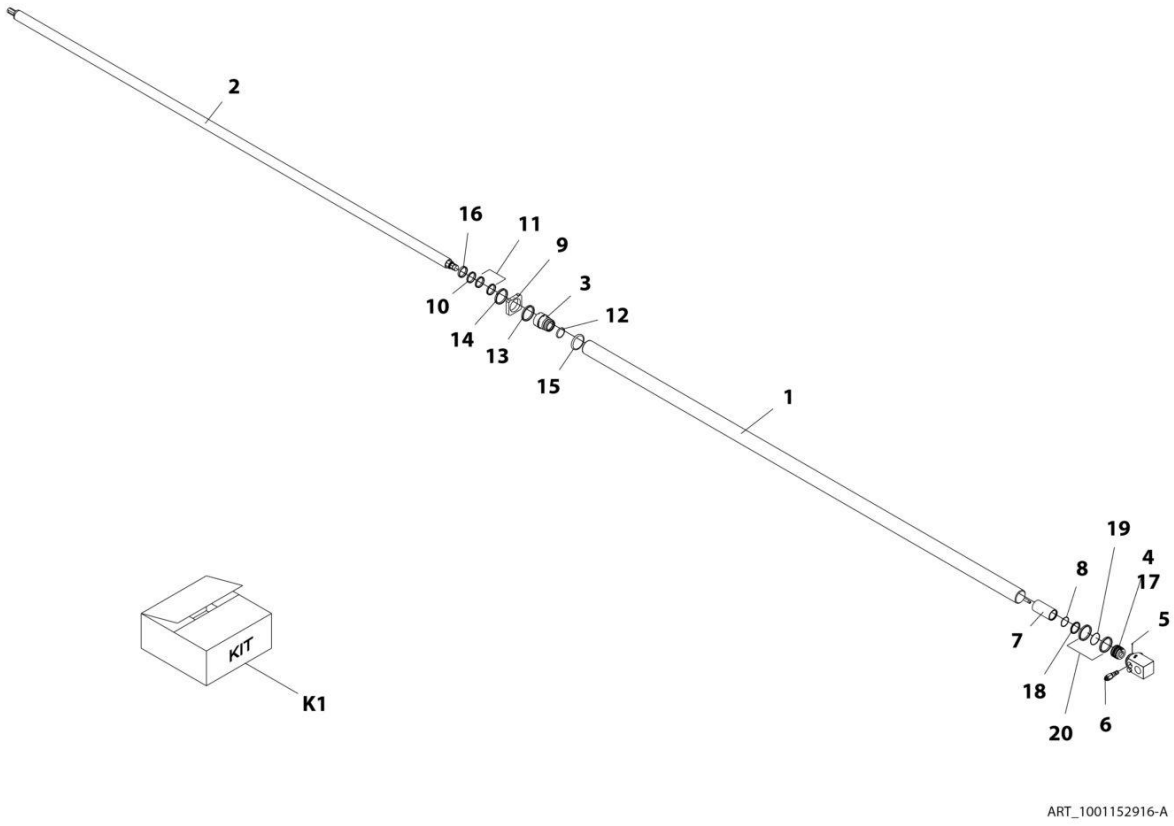
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FIGURE 9-4. EXTEND/RETRACT CYLINDER G6-42A (Prior to SN 0160057307)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91473230	NLA	EXTEND/RETRACT CYLINDER, (no longer available, use items 1 thru 23 for service)	C
1	Kit K1	1	O-RING	
2	Kit K1	1	O-RING	
3	Kit K1	1	BACK-UP RING	
4	Kit K1	1	O-RING	
5	Kit K1	1	SEAL	
6	Kit K1	1	SEAL	
7	Kit K1	1	WIPER	
8	Kit K1	1	SEAL	
9	Kit K1	2	WEAR RING	
10	Kit K1	2	WEAR RING	
12	7003226	1	LOCKNUT	
13	70021774	2	SET SCREW	
15	7005365	3	PORT PLUG	
16	1001109225	1	COUNTERBALANCE VALVE	
17	70021772	1	WEAR PAD	
18	70021771	1	TUBE ASSY	
19	70021770	1	ROD	
20	70021769	1	HEAD	
21	70021768	1	PISTON	
22	70021767	1	COLLAR	
23	70021766	1	SPACER	
105	91403022	1	EXTEND/RETRACT CYLINDER PIN	
106	88581149	2	RETAINING RING	
136	14403323	AR	NEVER SEEZE LUBE	
K1	70021775	1	SEAL KIT, (includes items 1 thru 10)	

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FIGURE 9-5. EXTEND/RETRACT CYLINDER G6-42A (SN 0160057307 to Present)



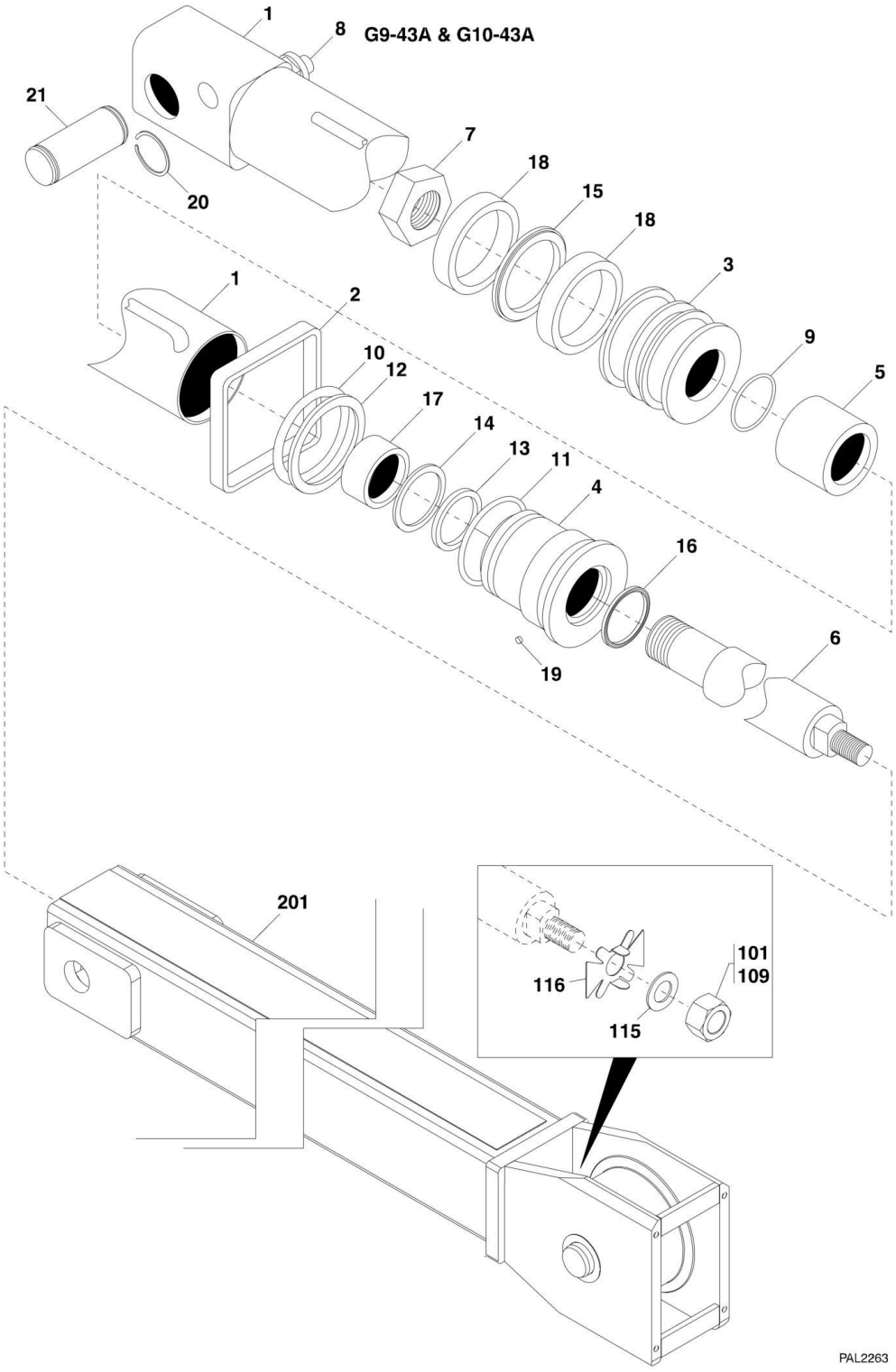
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FIGURE 9-5. EXTEND/RETRACT CYLINDER G6-42A (SN 0160057307 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152916	1	EXTEND/RETRACT CYLINDER, (includes items 1 thru 20)	B
1	70025320	1	BARREL ASSY	
2	70025321	1	ROD ASSY	
3	70025322	1	ROD GUIDE	
4	70025323	1	PISTON	
5	70023915	2	SCREW	
6	1001109225	1	COUNTERBALANCE VALVE	
7	70025324	1	SPACER	
8	70025325	1	RING	
9	70025326	1	WEAR RING	
10	70025327	1	GLAND	
11	Kit K1	2	BEARING	
12	Kit K1	1	O-RING	
13	Kit K1	1	BACK-UP RING	
14	Kit K1	1	ROD SEAL	
15	Kit K1	1	O-RING	
16	Kit K1	1	WIPER	
17	Kit K1	2	BEARING	
18	Kit K1	1	PISTON SEAL	
19	Kit K1	1	O-RING	
20	Kit K1	2	BACK-UP RING	
K1	70025328	1	SEAL KIT, (includes items 11 thru 20)	

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FIGURE 9-6. EXTEND/RETRACT CYLINDER G9-43A & G10-43A



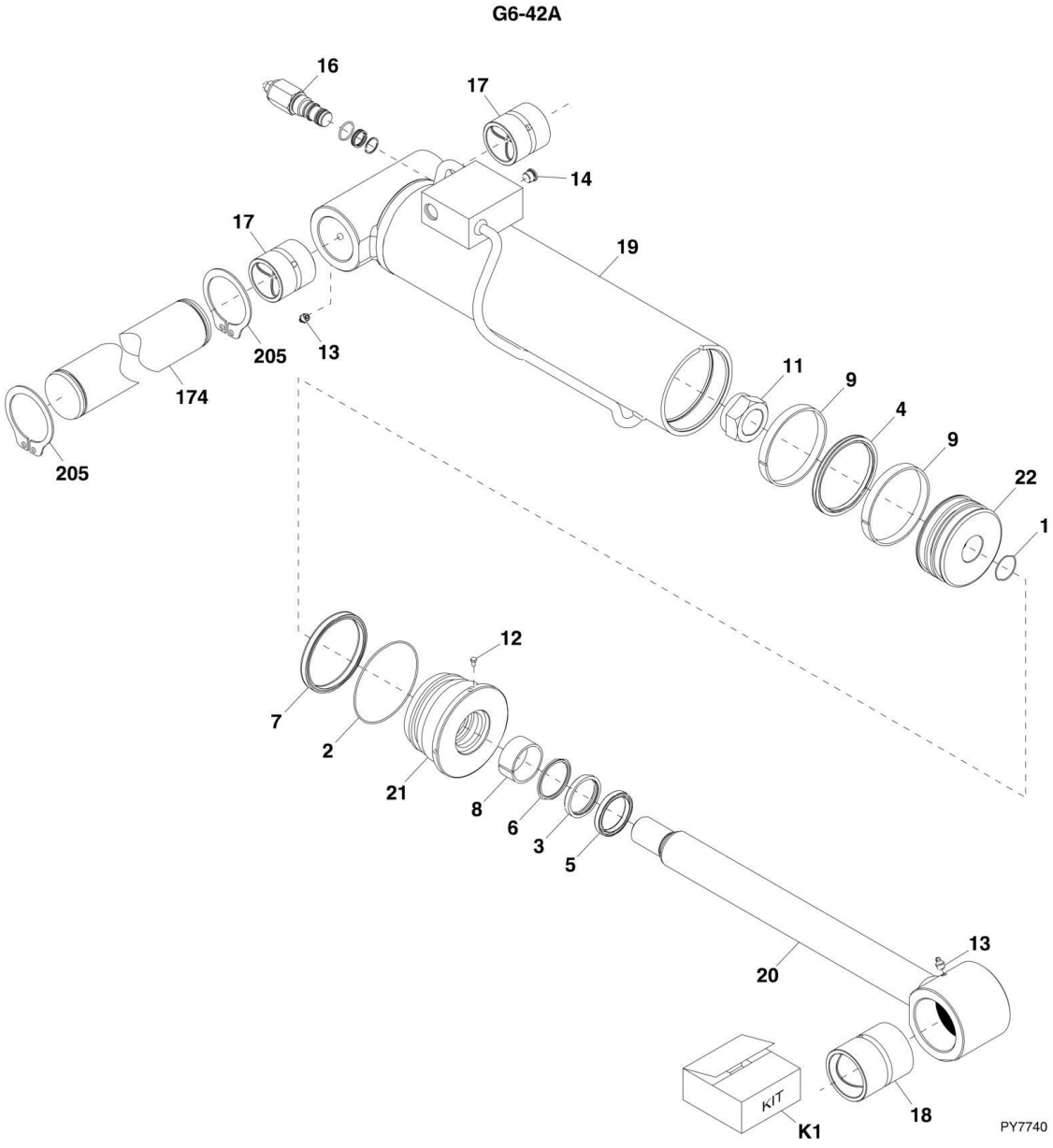
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FIGURE 9-6. EXTEND/RETRACT CYLINDER G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91513276	1	EXTEND/RETRACT CYLINDER, (G9-43A & G10-43A), (includes items thru 19)	B
1	70022852	1	CASE ASSY	
2	70022853	1	WEAR WASHER	
3	70022854	1	PISTON	
4	70022855	2	HEAD GLAND, (torque to 300-400 lb-ft/406-542 Nm)	
5	70022856	1	ROD SPACER	
6	70022857	1	SHAFT ASSY	
7	8035865	1	LOCKNUT, (torque to 745-825 lb-ft/1010-1119 Nm)	
8	4641312	1	HOLDING VALVE, (torque to 105-115 lb-ft/142-156 Nm)	
8	91514251	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	BACKUP RING	
13	Kit K1	1	U-CUP	
14	Kit K1	1	BUFFER SEAL	
15	Kit K1	1	T-SEAL	
16	Kit K1	1	WIPER	
17	Kit K1	1	WEAR BAND	
18	Kit K1	1	WEAR BAND	
19	Kit K1	1	LOCKING INSERT	
20	88581149	2	RETAINING RING	
21	91141124	1	CYLINDER PIN	
101	0100011	AR	LOCTITE 242	
109	88501022	1	HEX NUT, 1-3/8-12, (torque to 155-195 lb-ft/210-264 Nm)	
115	91403065	1	WASHER	
116	91511142	1	WASHER TAB	
201		Ref	PUSH BEAM/EXTEND CHAIN, (See PUSH BEAM/EXTEND CHAIN for Breakdown)	
K1	70022858	1	SEAL KIT, (includes items 9 thru 19)	

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FIGURE 9-7. TILT CYLINDER G6-42A (Prior to SN 0160057406)



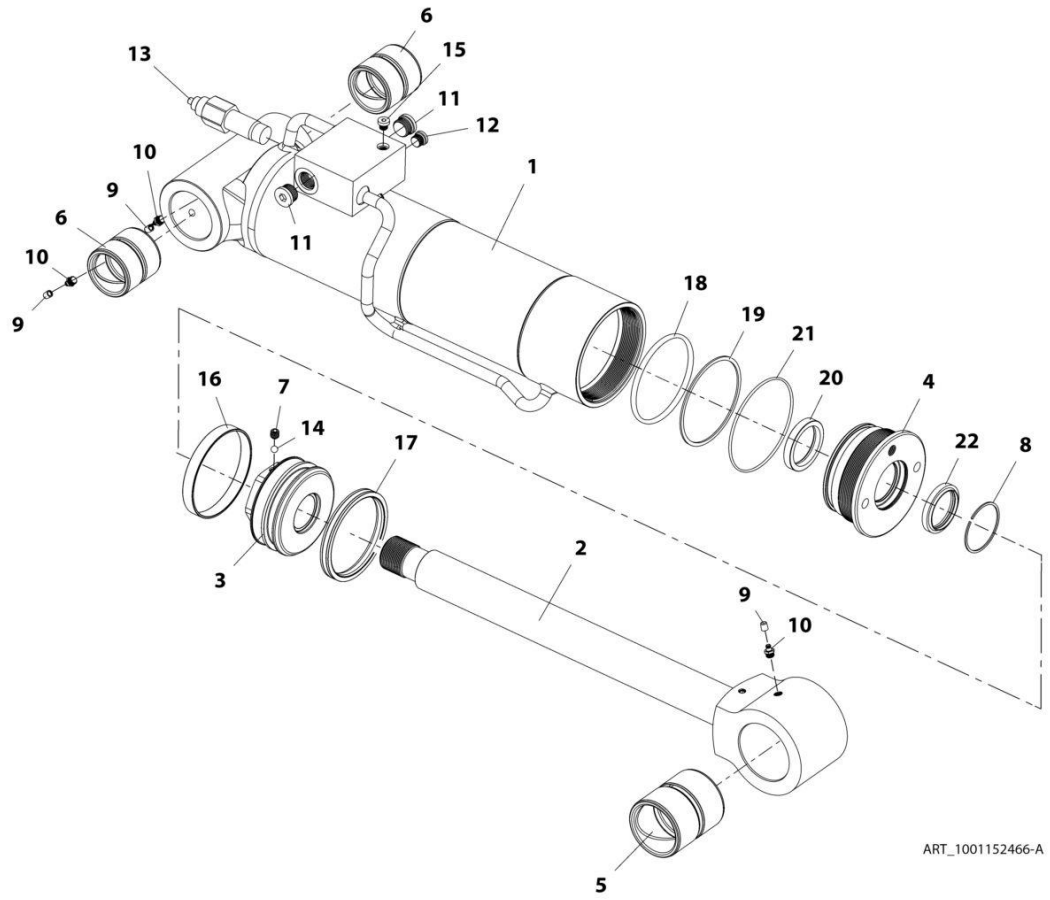
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FIGURE 9-7. TILT CYLINDER G6-42A (Prior to SN 0160057406)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91413156	1	TILT CYLINDER, (G6-42A), (includes items 1 thru 22)	B
1	Kit K1	1	O-RING	
2	Kit K1	1	O-RING	
3	Kit K1	1	SEAL	
4	Kit K1	1	SEAL	
5	Kit K1	1	WIPER	
6	Kit K1	1	SEAL	
7	Kit K1	1	SEAL	
8	Kit K1	1	WEAR RING	
9	Kit K1	2	WEAR RING	
11	7003226	1	LOCKNUT, (torque to 1125-1375 lb-ft/1525-1864 Nm)	
12	70021630	1	SELF-TAPPING SCREW	
13	7003242	3	LUBE FITTING	
14	70021648	1	PORT PLUG	
16	1001109225	1	COUNTERBALANCE VALVE, (torque to 44 lb-ft/60 Nm)	
17	70021763	2	BUSHING	
18	70021765	1	BUSHING	
19	70021762	1	TUBE ASSY	
20	70021761	1	ROD ASSY	
21	70021760	1	HEAD	
22	70021759	1	PISTON	
174	1001098223	1	CYLINDER PIN	
205	88581149	2	RETAINING RING	
K1	70021764	1	SEAL KIT, (includes items 1 thru 9)	

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FIGURE 9-8. TILT CYLINDER G6-42A (SN 0160057406 to Present)



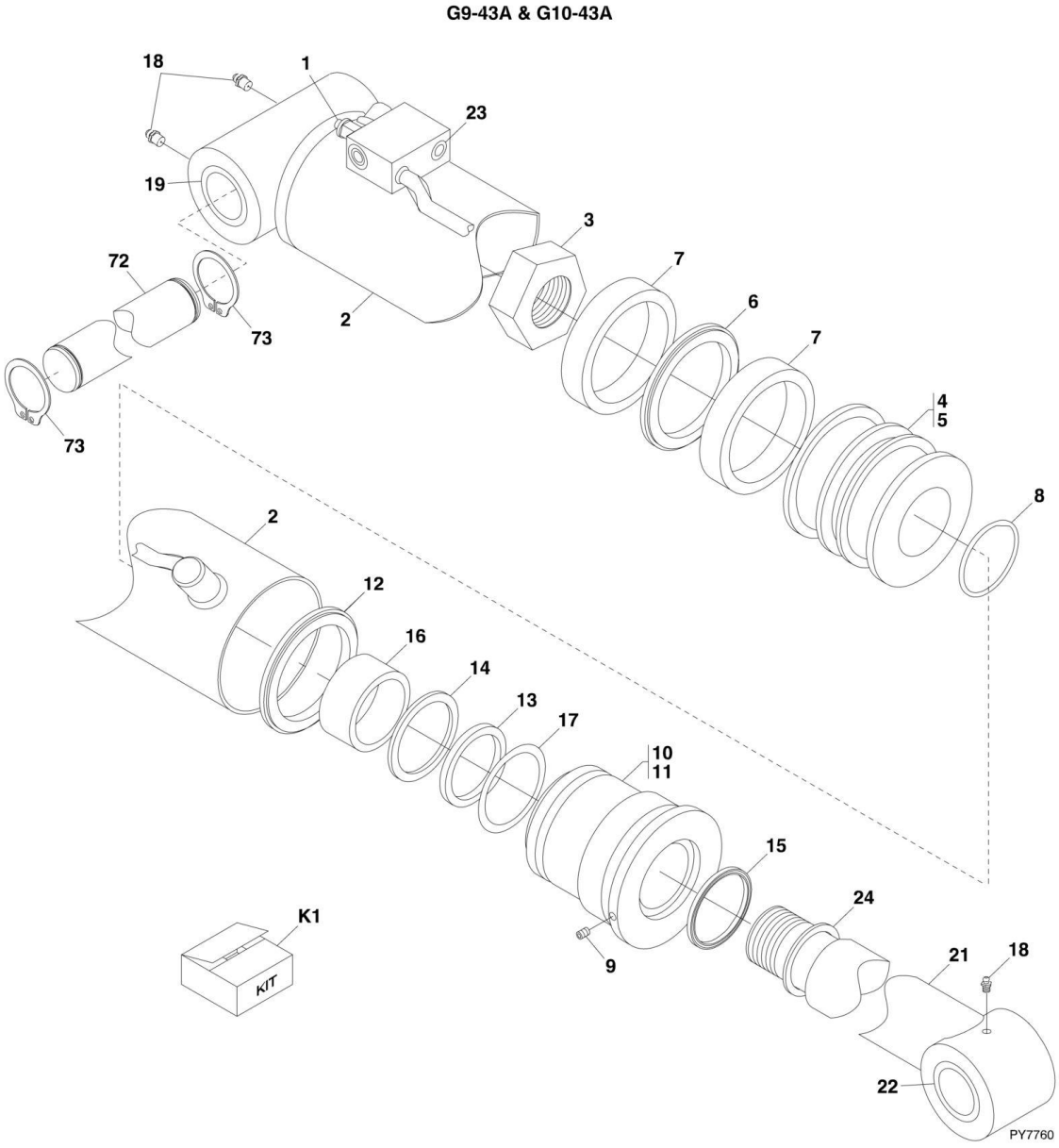
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FIGURE 9-8. TILT CYLINDER G6-42A (SN 0160057406 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152466	1	TILT CYLINDER	A
1	70025950	1	BARREL	
2	70025951	1	ROD	
3	70025952	1	PISTON ASSY	
4	70025953	1	GLAND	
5	70025954	1	BUSHING	
6	70025955	2	BUSHING	
7	70025956	1	LOCKING SCREW	
8	70023101	1	SNAP RING	
9	70024020	3	GREASE FITTING	
10	70025957	3	GREASE NIPPLE	
11	70025958	2	STEEL PLUG	
12	70025959	1	STEEL PLUG	
13	70025960	1	COUNTERBALANCE VALVE	
14	70025614	1	BALL	
15	70025961	1	STEEL BLANKING PLUG	
16	Kit K1	1	PISTON HEAD BEARING RING	
17	Kit K1	1	PISTON SEAL	
18	Kit K1	1	O-RING	
19	Kit K1	1	BACK UP RING	
20	Kit K1	1	ROD SEAL	
21	Kit K1	1	O-RING	
22	Kit K1	1	WIPER	
K1	70025962	1	SEAL KIT	

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FIGURE 9-9. TILT CYLINDER G9-43A & G10-43A



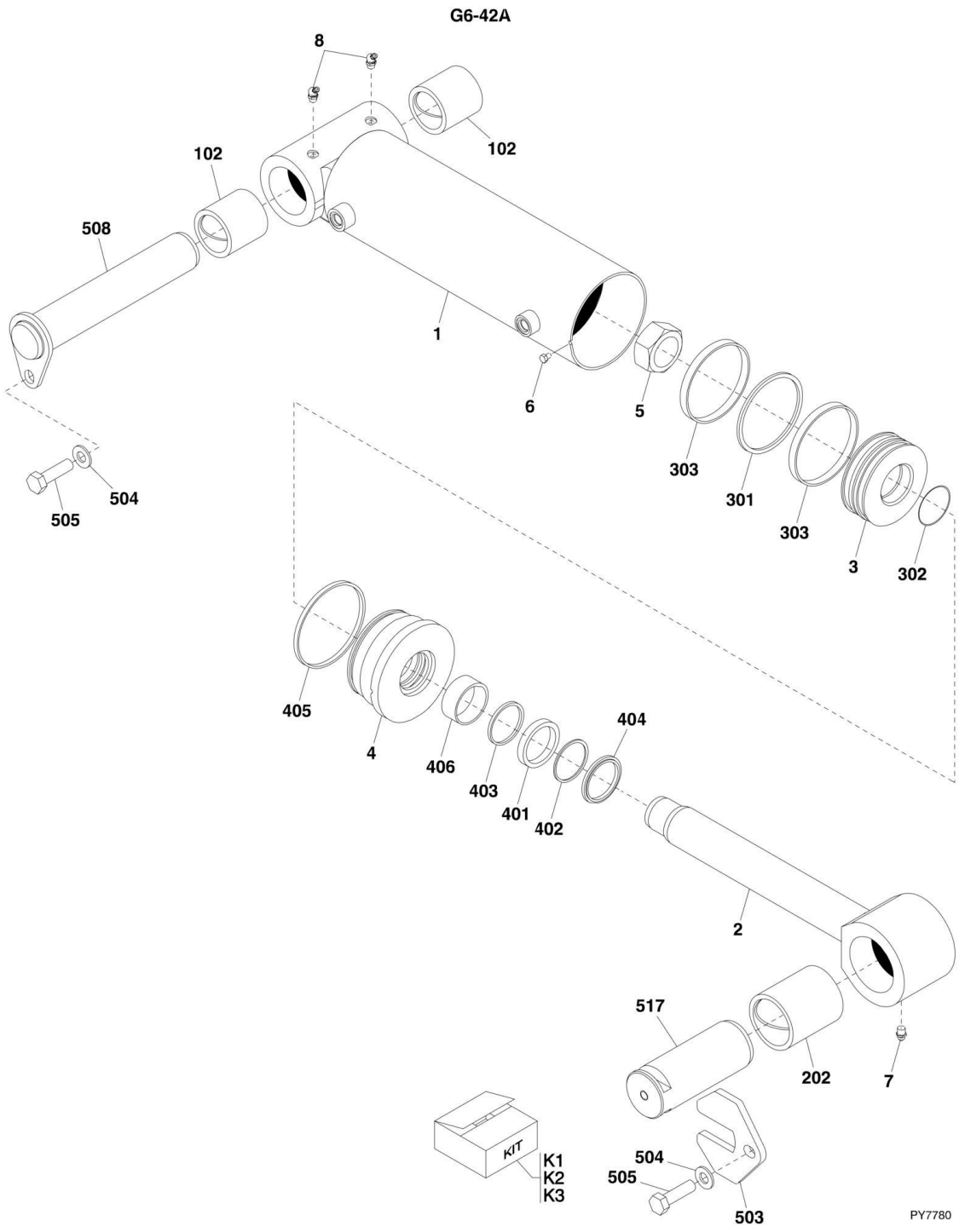
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FIGURE 9-9. TILT CYLINDER G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91513275		TILT CYLINDER, (G9-43A & G10-43A), (includes items 1 thru 23)	B
1	1001109225	1	RELIEF VALVE, (torque to 44 lb-ft/60 Nm)	
1	91404382	1	SEAL KIT	
2	70022063	1	BARREL ASSY, (includes item 19)	
3	10727280	1	LOCKNUT, (torque to 1550-1810 lb-ft/2101-2454 Nm)	
4	70022065	1	PISTON ASSY, (includes items 5 thru 8)	
5	N.S.S.	1	PISTON	
6	Kit K1	1	PISTON SEAL	
7	Kit K1	2	WEAR RING	
8	Kit K1	1	O-RING	
9	7029760	1	CAPSCREW	
10	70022056	1	ROD BEARING ASSY, (includes items 11 thru 17)	
11	N.S.S.	1	ROD BEARING	
12	Kit K1	1	PISTON SEAL	
13	Kit K1	1	ROD SEAL	
14	Kit K1	1	BUFFER SEAL	
15	N.S.S.	1	WIPER	
16	Kit K1	2	WEAR RING	
17	Kit K1	1	O-RING	
18	91404080	3	GREASE FITTING	
19	7029871	2	BUSHING, (manganese phosphate coating)	
20	70022066	1	PLUG, (torque to 10-15 lb-ft/14-20 Nm)	
21	70022064	1	ROD ASSY	
22	7029872	1	BUSHING, (manganese phosphate coating)	
23	70022067	1	PLUG, (torque to 10-15 lb-ft/14-20 Nm)	
72	1001115739	1	CYLINDER PIN	
73	88581149	2	RETAINING RING	
K1	91514281	1	SEAL KIT, (includes items 6 thru 8, 12 thru 14, 16 & 17)	

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FIGURE 9-10. COMPENSATION CYLINDER G6-42A (Prior to SN 0160057586)



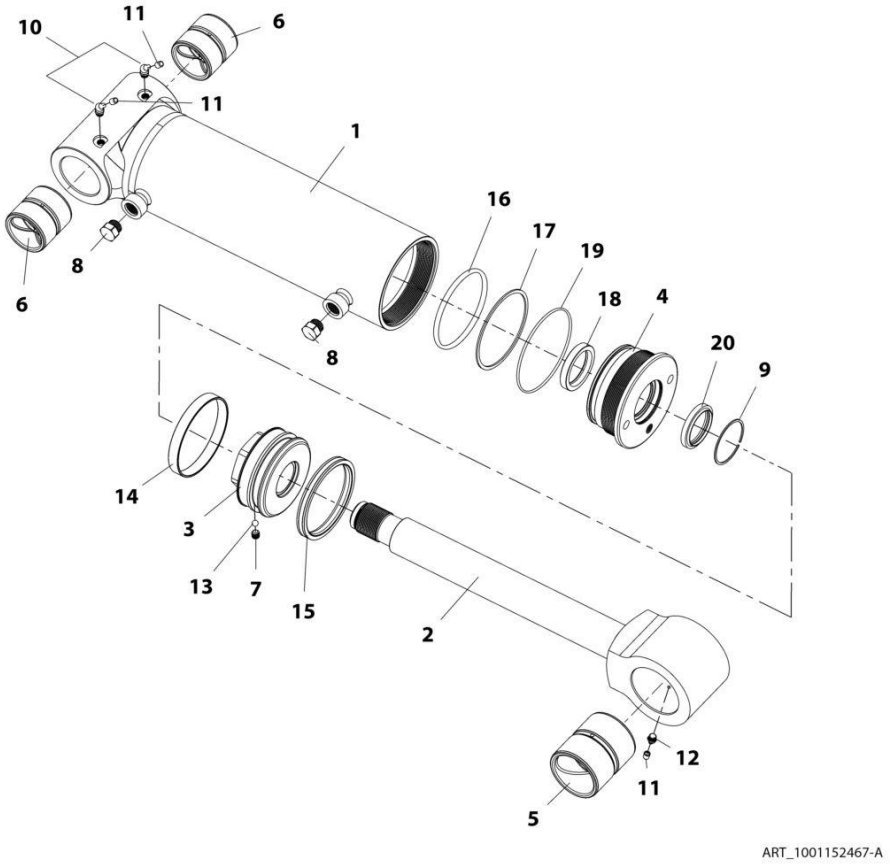
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FIGURE 9-10. COMPENSATION CYLINDER G6-42A (Prior to SN 0160057586)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91413154	1	COMPENSATION CYLINDER, (G6-42A), (includes items 1 thru 8)	C
1	7029866	1	BARREL ASSY, (includes item 102)	
2	7029869	1	ROD ASSY, (includes item 202)	
3	7029868	1	PISTON ASSY, (includes items 301 thru 303)	
4	7029870	1	ROD BEARING ASSY, (includes items 401 thru 406)	
5	91014066		NUT, (torque to 990-1210 lb-ft/1342-1640 Nm)	
6	7029760	1	CAPSCREW	
7	91044080	1	GREASE FITTING	
8	70021913	2	GREASE FITTING	
102	7029871	2	BUSHING	
202	7029872	1	BUSHING	
301	Kit K1 or K3	1	PISTON SEAL	
302	Kit K1 or K3	1	O-RING	
303	Kit K1 or K3	2	WEAR RING	
401	Kit K2 or K3	1	ROD SEAL	
402	Kit K2 or K3	1	BACK-UP	
403	Kit K2 or K3	1	BUFFER	
404	Kit K2 or K3	1	WIPER	
405	Kit K2 or K3	1	SEAL	
406	Kit K2 or K3	1	WEAR RING	
503	91471240	1	KEEPER PLATE	
504	4891800	2	HARDENED WASHER, 1/2	
505	0681810	2	HEX HD CAPSCREW, 1/2-13X1-1/4, GR8	
508	1001142989	1	CYLINDER PIN	
517	91513282	1	CYLINDER PIN	
K1	7029873	1	PISTON SEAL KIT, (includes items 301 thru 303)	
K2	7029874	1	ROD BEARING SEAL KIT, (includes items 401 thru 406)	
K3	7029821	1	CYLINDER SEAL KIT, (includes items 301 thru 406)	

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FIGURE 9-11. COMPENSATION CYLINDER G6-42A (SN 0160057586 to Present)



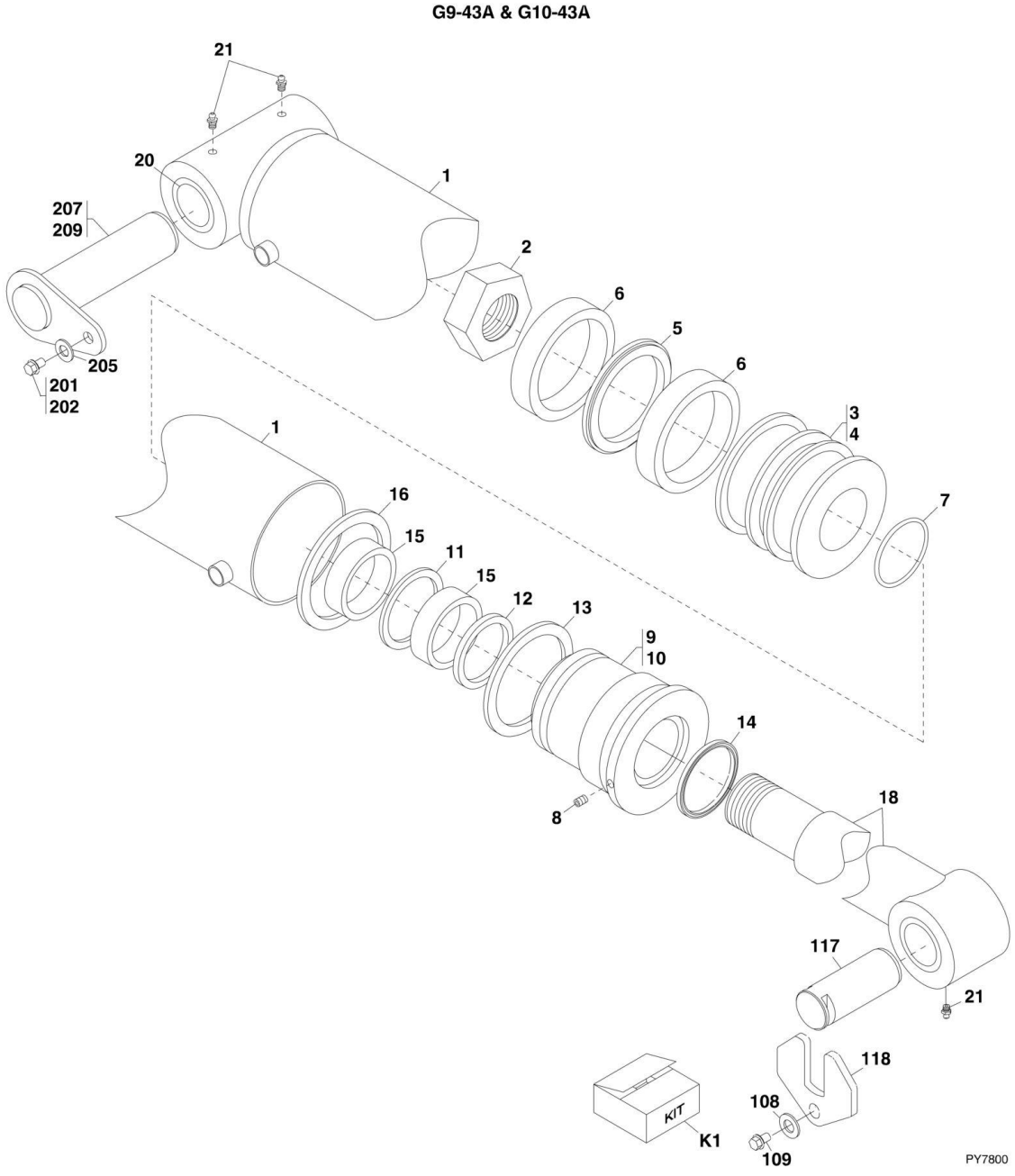
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FIGURE 9-11. COMPENSATION CYLINDER G6-42A (SN 0160057586 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152467	1	COMPENSATION CYLINDER, (G6-42A), (includes items 1 thru 13)	A
1	70025963	1	BARREL	
2	70025964	1	ROD ASSY	
3	70025952	1	PISTON ASSY	
4	70025953	1	GLAND	
5	70025954	1	BUSHING	
6	70025955	2	BUSHING	
7	70025956	1	LOCKING SCREW	
8	70025965	2	BLANKING PLUG	
9	70023101	1	SNAP RING	
10	70025966	2	GREASE FITTING	
11	70024020	3	GREASE FITTING	
12	70025957	1	GREASE NIPPLE	
13	70025614	1	BALL	
14	Kit K1 or K3	1	PISTON HEAD BEARING RING	
15	Kit K1 or K3	1	PISTON SEAL	
16	Kit K1 or K3	1	O-RING	
17	Kit K2 or K3	1	BACK-UP RING	
18	Kit K2 or K3	1	ROD SEAL	
19	Kit K1 or K3	1	O-RING	
20	Kit K2 or K3	1	WIPER	
K1	Kit K2 or K3	1	SEAL KIT	

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FIGURE 9-12. COMPENSATION CYLINDER G9-43A & G10-43A



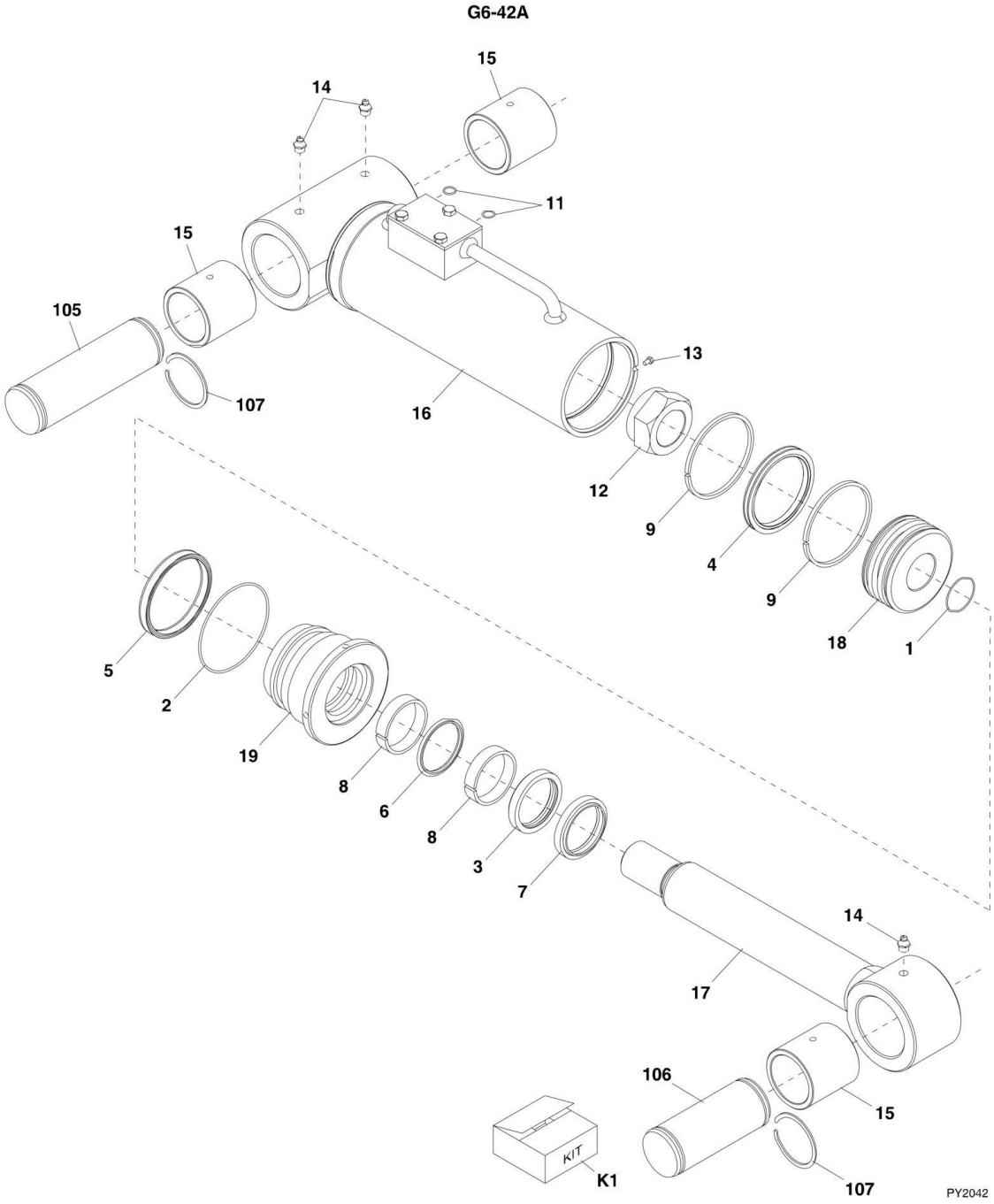
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FIGURE 9-12. COMPENSATION CYLINDER G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91513272	1	COMPENSATION CYLINDER, (G9-43A & G10-43A), (includes items 1 thru 21)	B
1	70022053	1	BARREL ASSY, (includes item 20)	
2	10727280	1	LOCKNUT, (torque to 1550-1810 lb-ft/2101-2454 Nm)	
3	70022055	1	PISTON ASSY, (includes items 4 thru 7)	
4	N.S.S.	1	PISTON	
5	Kit K1	1	PISTON SEAL	
6	Kit K1	2	WEAR RING	
7	Kit K1	1	O-RING	
8	7029760	1	CAPSCREW	
9	70022056	1	ROD BEARING ASSY, (includes items 10 thru 16)	
10	N.S.S.	1	ROD BEARING, (torque to 550-600 lb-ft/745-813 Nm)	
11	Kit K1	1	BUFFER SEAL	
12	Kit K1	1	ROD SEAL	
13	Kit K1	1	PISTON SEAL	
14	Kit K1	1	WIPER	
15	Kit K1	2	WEAR RING	
16	Kit K1	1	O-RING	
18	70022054	1	ROD ASSY, (includes item 19)	
19	7029872	1	BUSHING, (manganese phosphate coating)	
20	7029871	2	BUSHING, (manganese phosphate coating)	
21	91044080	3	GREASE FITTING	
108	4891800	1	HARDENED WASHER, 1/2	
109	0681810	1	HEX HD CAPSCREW, 1/2-13X1-1/4, GR8, (torque to 100-110 lb-ft/136-149 Nm)	
117	91513282	1	CYLINDER PIN	
118	91471240	1	KEEPER PLATE	
201	0100011	AR	LOCTITE 242	
202	0681810	1	HEX HD CAPSCREW, 1/2-13X1-1/4, GR8, (torque to 100-110 lb-ft/136-149 Nm)	
205	4891800	1	HARDENED WASHER, 1/2	
207	14403323	AR	NEVER-SEEZ LUBE	
209	91503280	1	CYLINDER PIN	
K1	70024012	1	SEAL KIT, (includes items 5 thru 7 & 11 thru 16)	

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FIGURE 9-13. FRAME LEVEL CYLINDER G6-42A (Prior to SN 0160060495)



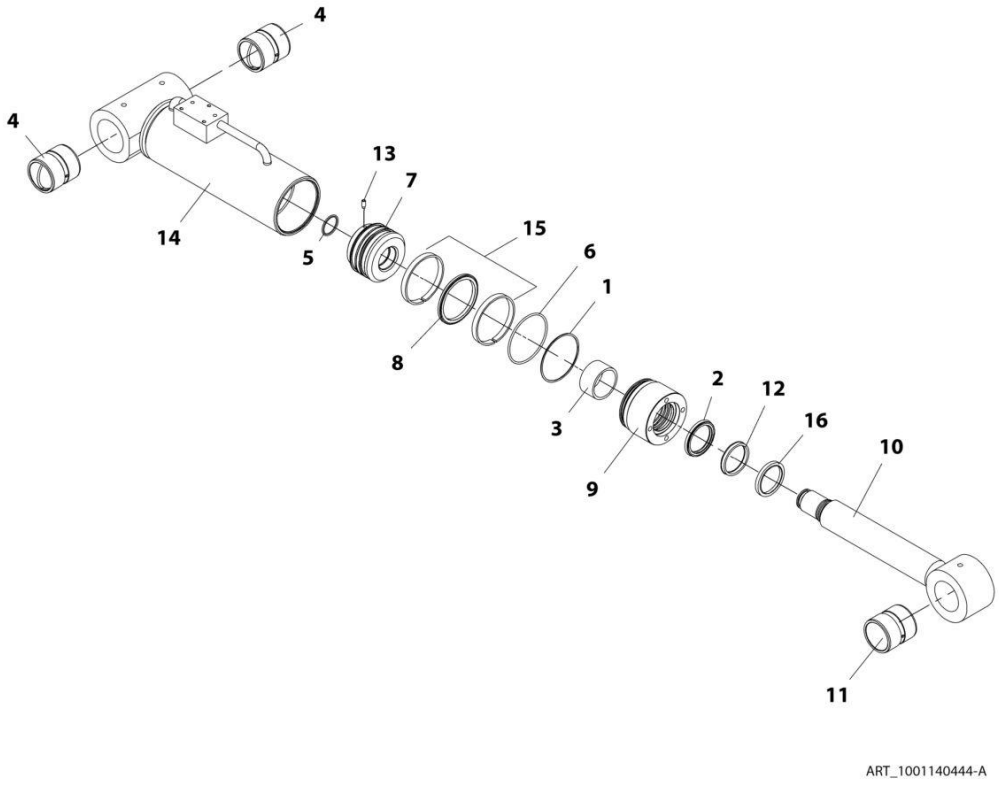
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FIGURE 9-13. FRAME LEVEL CYLINDER G6-42A (Prior to SN 0160060495)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91473231	1	FRAME LEVEL CYLINDER, (G6-42A), (includes items 1 thru 19)	B
1	Kit K1	1	O-RING	
2	Kit K1	1	O-RING	
3	Kit K1	1	SEAL	
4	Kit K1	1	SEAL	
5	Kit K1	1	SEAL	
6	Kit K1	1	SEAL	
7	Kit K1	1	WIPER	
8	Kit K1	2	WEAR RING	
9	Kit K1	2	WEAR RING	
11	7023500	2	O-RING	
12	7003226	1	LOCKNUT, (torque to 800-1000 lb-ft/1085-1355 Nm)	
13	70021630	1	SELF-TAPPING SCREW	
14	7003242	3	LUBE FITTING	
15	70021634	3	BUSHING	
16	70021637	1	TUBE ASSY	
17	70021638	1	ROD ASSY	
18	70021635	1	PISTON	
19	70021636	1	HEAD	
105	91403226	1	CYLINDER PIN	
106	91403225	1	CYLINDER PIN	
107	90028935	4	RETAINING RING	
K1	70021633	1	SEAL KIT, (includes items 1 thru 9)	

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FIGURE 9-14. FRAME LEVEL CYLINDER G6-42A



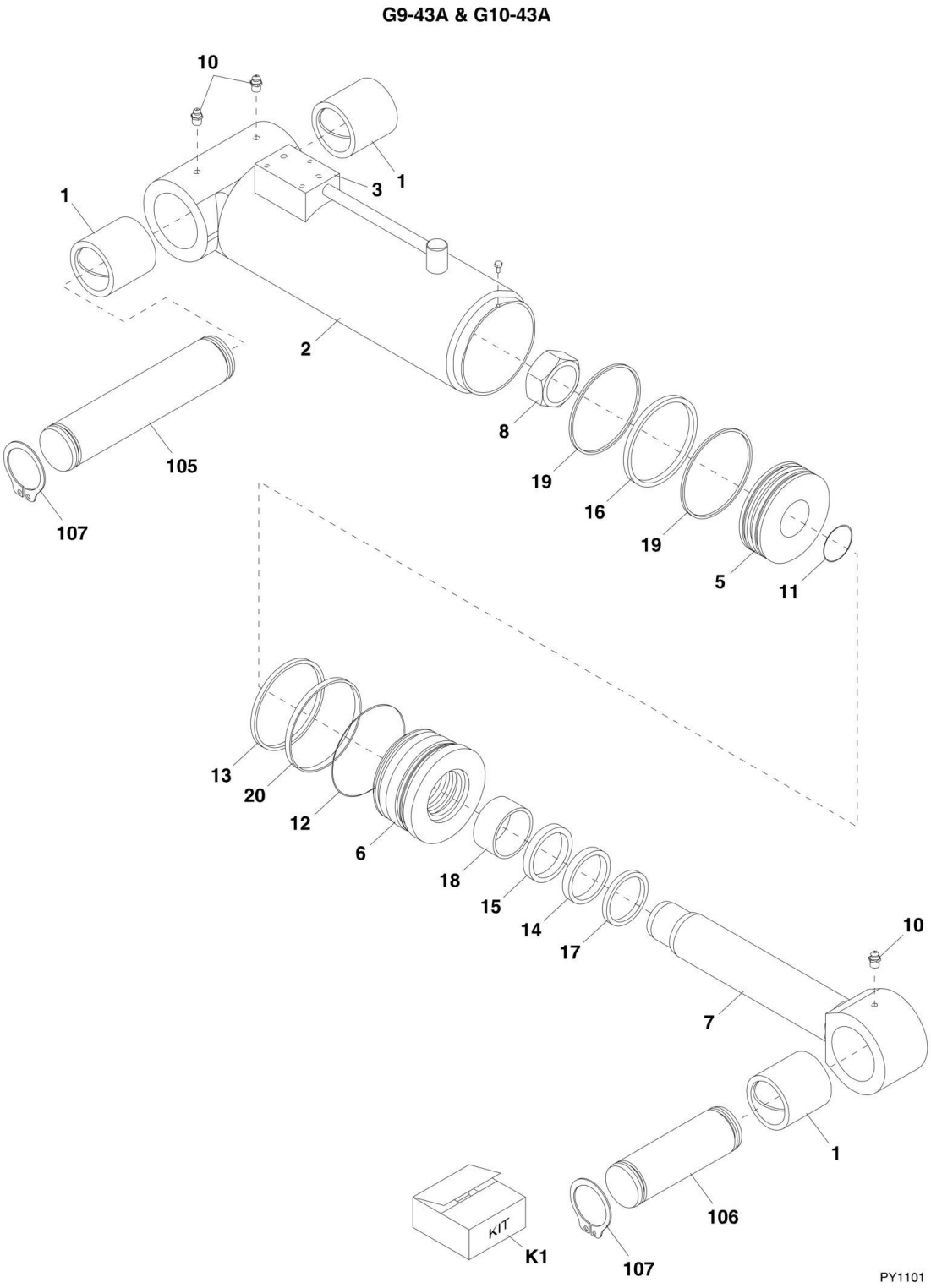
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FIGURE 9-14. FRAME LEVEL CYLINDER G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001140444	1	FRAME LEVEL CYLINDER, (G6-42A), (includes items 1 thru 19)	A
1	Kit K1 AND K3	1	BACK-UP RING	
2	Kit K1 AND K3	1	BUFFER RING	
3	Kit K1 AND K3	1	BUSHING	
4	Kit K2	3	BUSHING	
5	Kit K1 AND K3	1	O-RING	
6	Kit K1	1	O-RING	
7	Kit K4	1	PISTON	
8	Kit K1 AND K4	1	PISTON SEAL	
9	Kit K3	1	RETAINER	
10	Kit K2	1	ROD	
11	Kit K2	1	ROD END	
12	Kit K1 AND K3	1	ROD SEAL	
13	Kit K4	1	SET SCREW	
14	70025936	1	BARREL	
15	Kit K1 AND K4	2	WEAR RING	
16	Kit K1 AND K3	1	WIPER	
K1	70025937	1	SERVICE KIT	
K2	70025938	1	ROD ASSY KIT	
K3	70025939	1	RETAINER SUB ASSY KIT	
K4	70025940	1	PISTON SUB ASSY KIT	

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FIGURE 9-15. FRAME LEVEL CYLINDER G9-43A & G10-43A



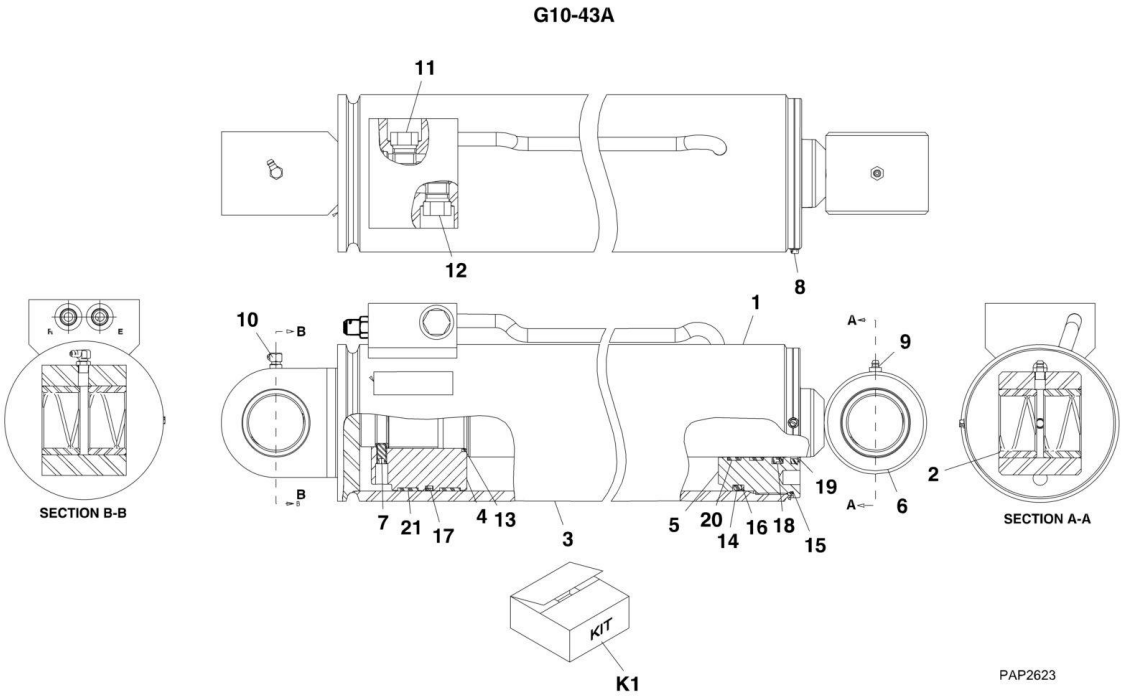
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FIGURE 9-15. FRAME LEVEL CYLINDER G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91513273	1	FRAME LEVEL CYLINDER, (G9-43A & G10-43A), (includes items 1 thru 20)	A
1	70022508	3	BEARING	
2	70022859	1	TUBE ASSY	
3	N.S.S.	1	GASKET	
5	70022861	1	PISTON	
6	70022862	1	HEAD GLAND, (torque to 300-400 lb-ft/407-542 Nm)	
7	70022863	1	ROD ASSY	
8	8035865	1	LOCKNUT, (loctite and torque to 720-800 lb-ft/976-1085 Nm)	
10	70020375	3	GREASE FITTING	
11	Kit K1	1	O-RING	
12	Kit K1	1	O-RING	
13	Kit K1	1	POLYPAK	
14	Kit K1	1	U-CUP	
15	Kit K1	1	BUFFER SEAL	
16	Kit K1	1	T-SEAL	
17	Kit K1	1	SCRAPER	
18	Kit K1	1	WEAR BAND	
19	Kit K1	2	WEAR BAND	
20	Kit K1	2	LOCKING INSERT	
105	91403226	1	CYLINDER PIN	
106	91403225	1	CYLINDER PIN	
107	90028935	4	RETAINING RING	
K1	70022864	1	SEAL KIT, (includes items 11 thru 20)	

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FIGURE 9-16. OUTRIGGER CYLINDER



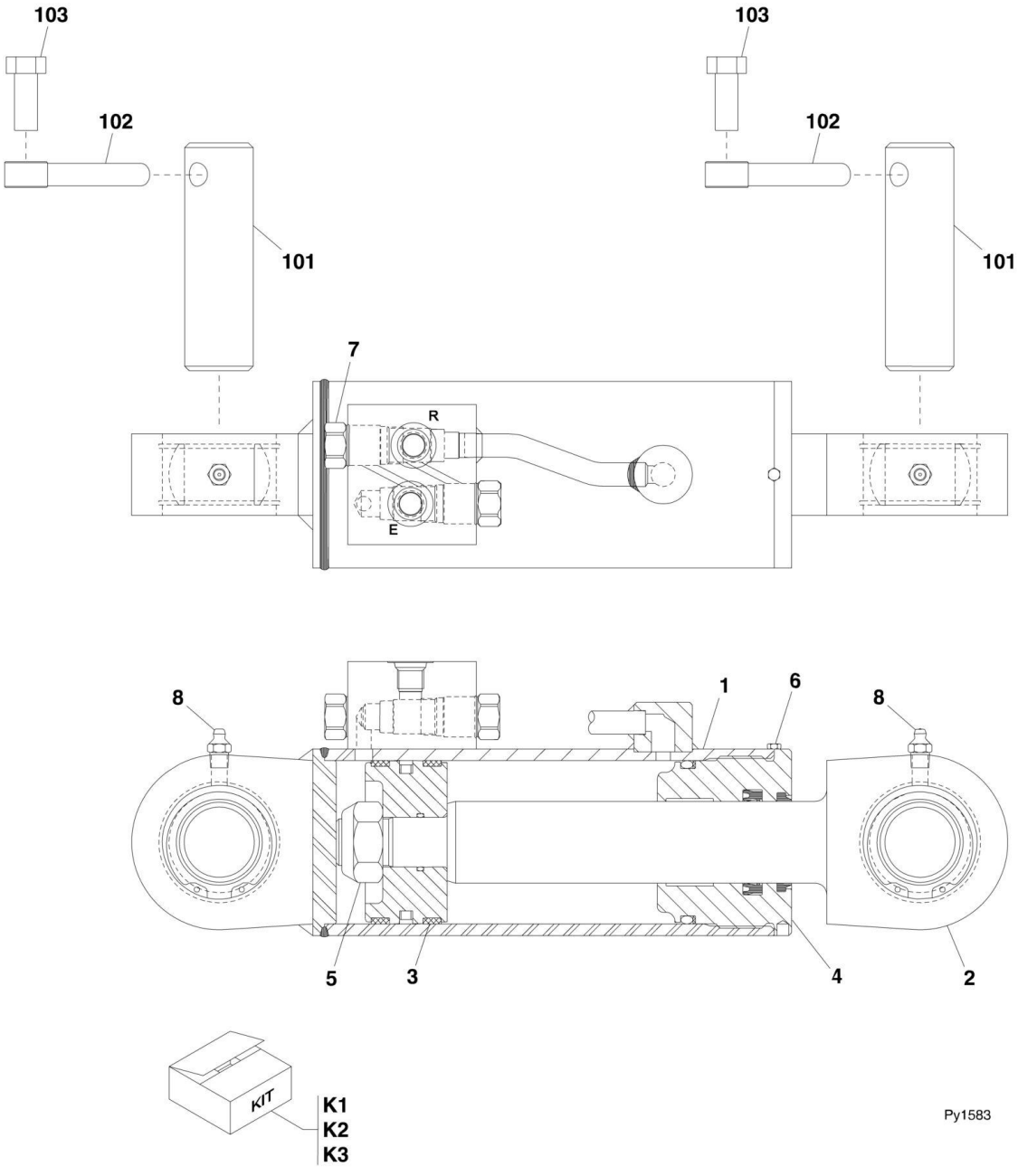
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FIGURE 9-16. OUTRIGGER CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001116439	2	OUTRIGGER CYLINDER, (G10-43A), (includes items 1 thru 20), (included item quantities are per single cylinder)	B
1	70020370	4	BUSHING	
2	70023892	1	BARREL	
3	70023893	1	PISTON, (loctite and torque to 2350-2600 lb-ft/3186-3525 Nm)	
4	70023894	1	HEAD GLAND, (torque to 300-400 lb-ft/407-542 Nm)	
5	70023895	1	ROD	
6	8036629	1	SET SCREW, 3/8-16X3/4, (torque to 16-18 lb-ft/22-24 Nm)	
7	70023896	1	TAPPING SCREW	
8	70023897	1	GREASE FITTING	
9	8520021	1	GREASE FITTING, 90	
10	8036750	1	PO CHECK VALVE, (torque to 30-35 lb-ft/41-47 Nm)	
11	70023898	1	PO CHECK VALVE W/THERMAL RELIEF, (torque to 30-35 lb-ft/41-47 Nm)	
12	Kit K1	1	O-RING	
13	Kit K1	1	O-RING	
14	Kit K1	1	O-RING	
15	Kit K1	1	BACK-UP RING	
16	Kit K1	1	PISTON SEAL	
17	Kit K1	1	ROD SEAL	
18	Kit K1	1	ROD WIPER	
19	Kit K1	2	WEAR BAND	
20	Kit K1	2	WEAR BAND	
K1	70023899	2	SEAL KIT, (includes items 12 thru 20)	

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FIGURE 9-17. SIDE TILT CARRIAGE CYLINDER



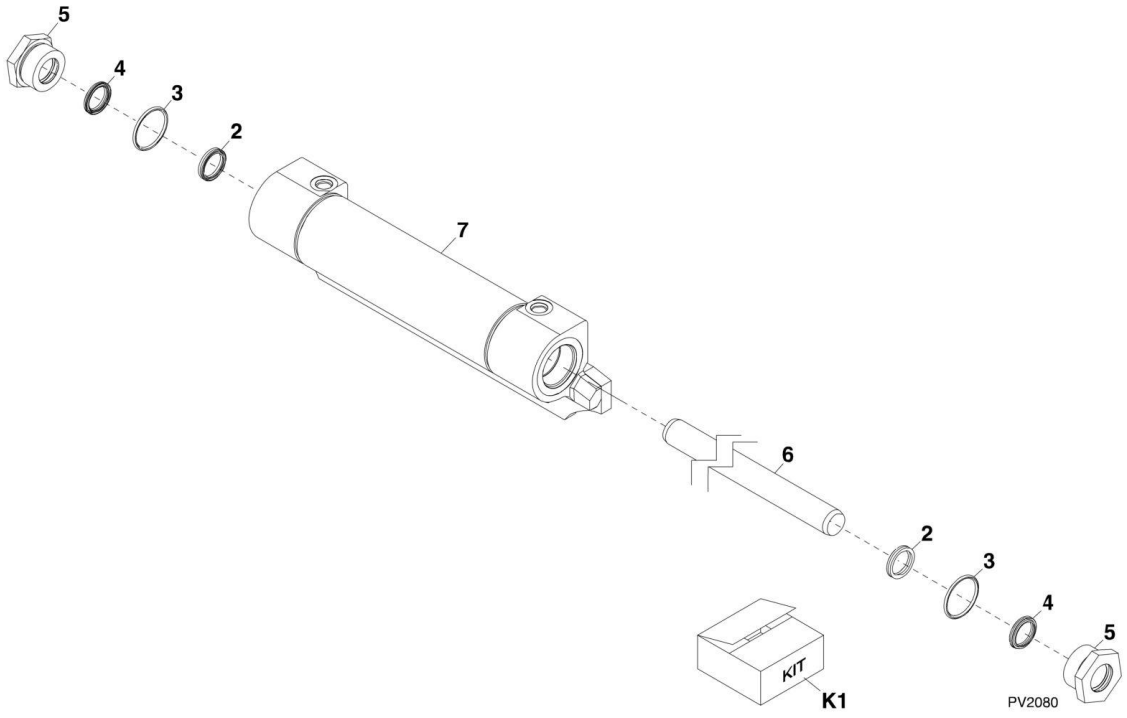
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FIGURE 9-17. SIDE TILT CARRIAGE CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001090134	1	SIDE TILT CARRIAGE CYLINDER, (includes items 1 thru 8)	B
1	70022038	1	BARREL ASSY	
2	70022039	1	ROD ASSY	
3	70022040	1	PISTON	
4	70024002	1	ROD BEARING	
5	90022230	1	HEX NUT	
6	7029760	1	CAPSCREW	
7	4640438	2	CHECK VALVE	
7	2900770	1	SEAL KIT	
8	91044080	2	GREASE FITTING	
101	3423307	2	CYLINDER PIN	
102	3841203	2	KEEPER	
103	0681810	2	HEX HD CAPSCREW, 1/2-13X1-1/4, GR8	
K1	70022041	1	SEAL KIT, (includes kits K2 & K3)	
K2	70022042	1	PISTON SEAL KIT	
K3	70022043	1	ROD BEARING SEAL KIT	

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FIGURE 9-18. 50IN SIDE SHIFT CARRIAGE CYLINDER



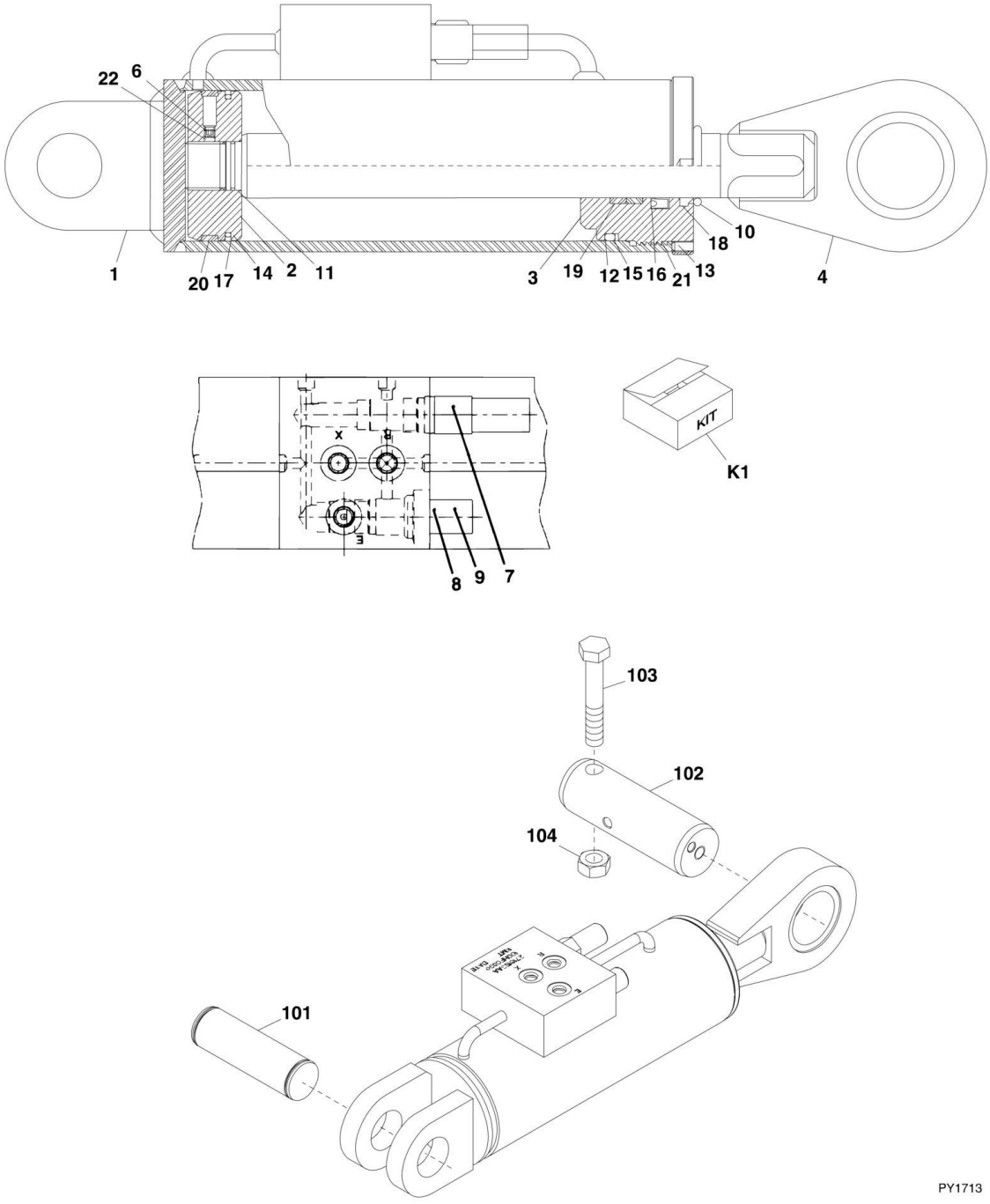
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FIGURE 9-18. 50IN SIDE SHIFT CARRIAGE CYLINDER

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)	

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FIGURE 9-19. 72IN, 90, SWING CARRIAGE CYLINDER



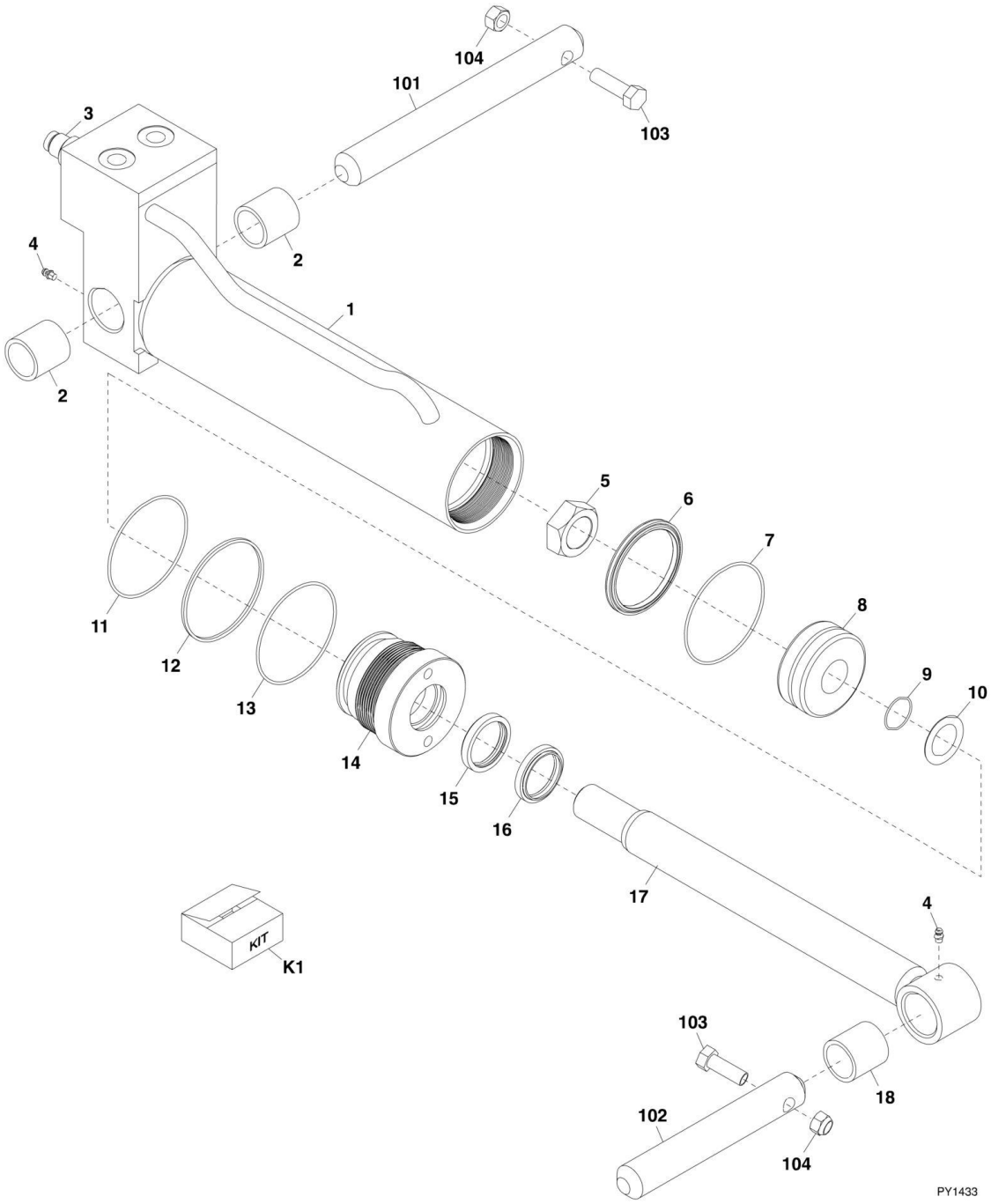
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FIGURE 9-19. 72IN, 90, SWING CARRIAGE CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103182	2	72IN 90 SWING CARRIAGE CYLINDER, (includes items 1 thru 22), (included item quantities are per single cylinder)	B
1	70022044	1	TUBE ASSY	
2	8035863	1	PISTON	
3	8035862	1	HEAD GLAND	
4	70022045	1	ROD ASSY	
5	70022046	1	BEARING, (not shown)	
6	8035536	2	SET SCREW, 5/16-18X1/2	
7	70020428	1	RELIEF VALVE, (pre-set to 2000psi)	
7	7024574	1	SEAL KIT	
8	8033786	1	COUNTER BALANCE VALVE, (pre-set 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	BACK-UP RING	
16	Kit K1	1	SEAL	
17	Kit K1	1	PISTON SEAL	
18	Kit K1	1	ROD WIPER	
19	Kit K1	2	WEAR BAND	
20	Kit K1	1	WEAR BAND	
21	Kit K1	2	INSERT	
22	Kit K1	2	INSERT	
101	7110722	2	CYLINDER PIN, (base end)	
102	7110712	2	CYLINDER PIN, (rod end)	
103	8303634	2	HEX HD CAPSCREW, 5/8-11X4, GR5	
104	8305643	2	HEX NUT, 5/8-11	
K1	2915023	1	SEAL KIT, (includes items 11 thru 22)	

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FIGURE 9-20. GRAPPLE BUCKET CYLINDER



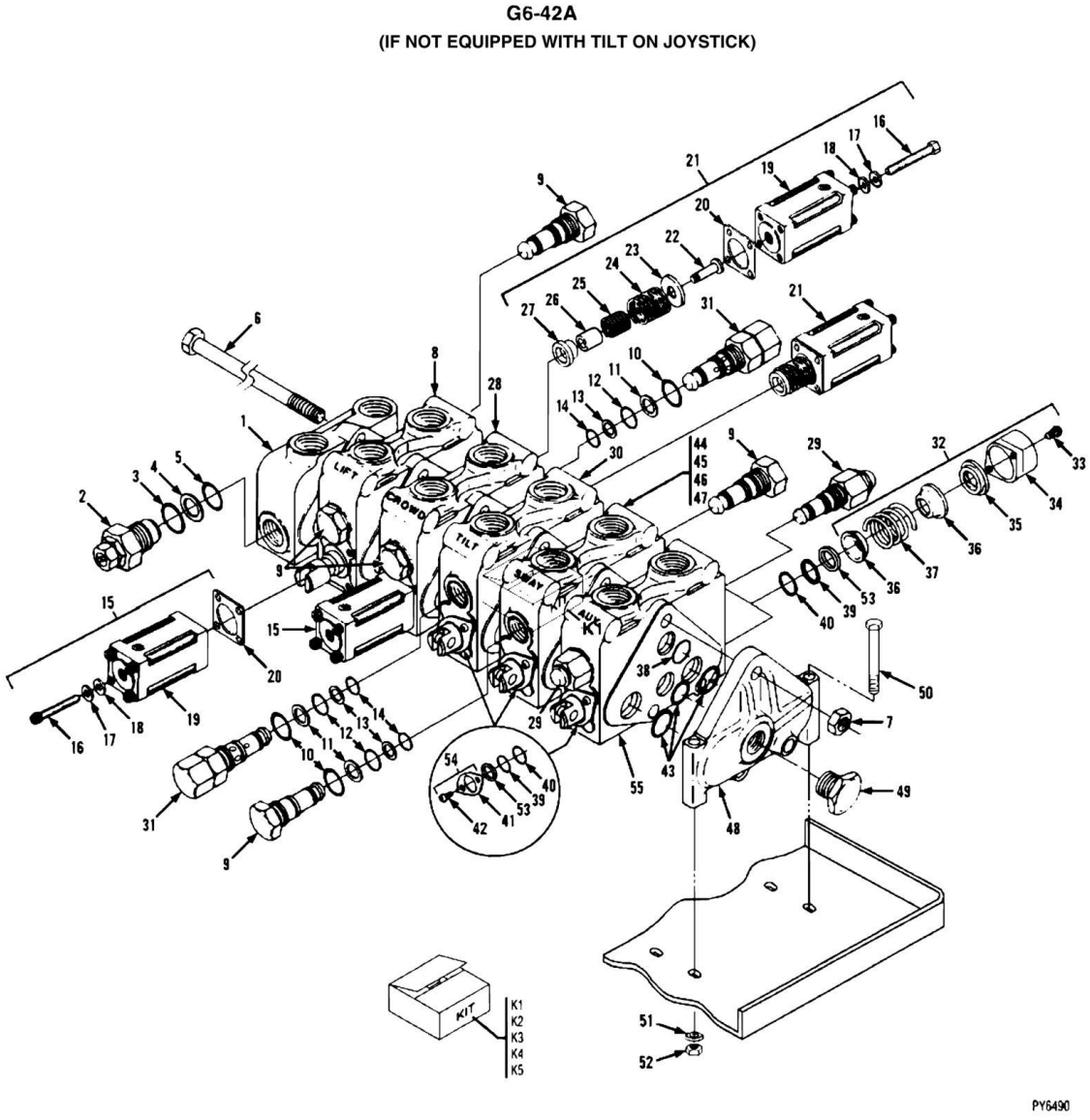
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FIGURE 9-20. GRAPPLE BUCKET CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70021393	2	GRAPPLE BUCKET CYLINDER, (includes items 1 thru 18), (included item quantities are per single cylinder)	
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	70021462	1	PISTON ROD	
18	70021447	1	BUSHING	
101	70021364	2	CYLINDER PIN, (base end)	
102	70021365	2	CYLINDER PIN, (rod end)	
103	70021399	4	HEX HD CAPSCREW, 3/8X2-1/4	
104	70021367	4	LOCKNUT, 3/8	
K1	70021452	1	SEAL KIT, (includes items 6, 7, 9, 11 thru 13, 15 & 16)	

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FIGURE 9-21. MAIN CONTROL VALVE G6-42A



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FIGURE 9-21. MAIN CONTROL VALVE G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001109217	1	MAIN HYDRAULIC CONTROL VALVE, (G6-42A), (if not equipped with tilt on joystick), (includes all items)	A
1	91084008	1	INLET COVER ASSY, (includes item 2)	
2	91084009	1	MAIN RELIEF, (includes items 3 thru 5)	
3	Kit K3	1	O-RING	
4	Kit K3	1	BACKUP RING	
5	Kit K3	1	O-RING	
6	Kit K1	3	HEX HD CAPSCREW	
7	Kit K1	3	HEX NUT	
8	91404182	1	VALVE SECTION ASSY, (Lift), (includes one each of items 15 & 21 & two of item 9)	
9	91084010	3	LOAD CHECK PLUG, (includes items 10 thru 14)	
10	Kit K4	2	O-RING	
11	Kit K4	1	BACKUP RING	
12	Kit K4	1	O-RING	
13	Kit K4	1	O-RING	
14	Kit K4	2	BACKUP RING	
15	91094023	2	HYDRAULIC REMOTE POSITIONER, (includes items 16 thru 20)	
16	N.S.S.	4	SCREW	
17	N.S.S.	4	LOCKWASHER	
18	N.S.S.	4	BEARING PLATE	
19	N.S.S.	1	BONNET	
20	N.S.S.	1	SEAL	
21	91094024	2	HYDRAULIC REMOTE POSITIONER, (includes items 16 thru 20 & 22 thru 27)	
22	N.S.S.	1	SPOOL POSITIONER	
23	N.S.S.	1	WASHER	
24	N.S.S.	1	SPRING, (large)	
25	N.S.S.	1	SPRING, (small)	
26	N.S.S.	1	STOP SLEEVE	
27	N.S.S.	1	STOP COLLAR	
28	91404186	1	VALVE SECTION ASSY, (Extend/Retract), (includes one each of items 9, 15, 21 & 31)	
29	91404187	1	RELIEF CARTRIDGE, (includes items 10 thru 14)	
30	91404188	1	VALVE SECTION ASSY, (Tilt), (includes one each of items 32 & 53 & two each of 31, 39, 40 & 54)	
31	91404189	2	RELIEF CARTRIDGE, (includes items 10 thru 14)	
32	91084004	3	SPOOL POSITIONER ASSY, (includes items 33 thru 37)	
33	N.S.S.	2	SCREW	
34	N.S.S.	1	BONNET	
35	N.S.S.	1	SPOOL SPUD	
36	N.S.S.	2	SPRING COLLAR	
37	N.S.S.	1	SPRING	
38	Kit K2	1	O-RING	
39	Kit K5	6	BACKUP WASHER	
40	Kit K5	6	O-RING	
41	N.S.S.	1	RETAINER PLATE	
42	N.S.S.	2	SCREW	
43	Kit K2	3	O-RING	
44	91404191	1	VALVE SECTION ASSY, (Frame Level), (includes one each of items 32 & 53 & two each of 9, 39, 40 & 54)	

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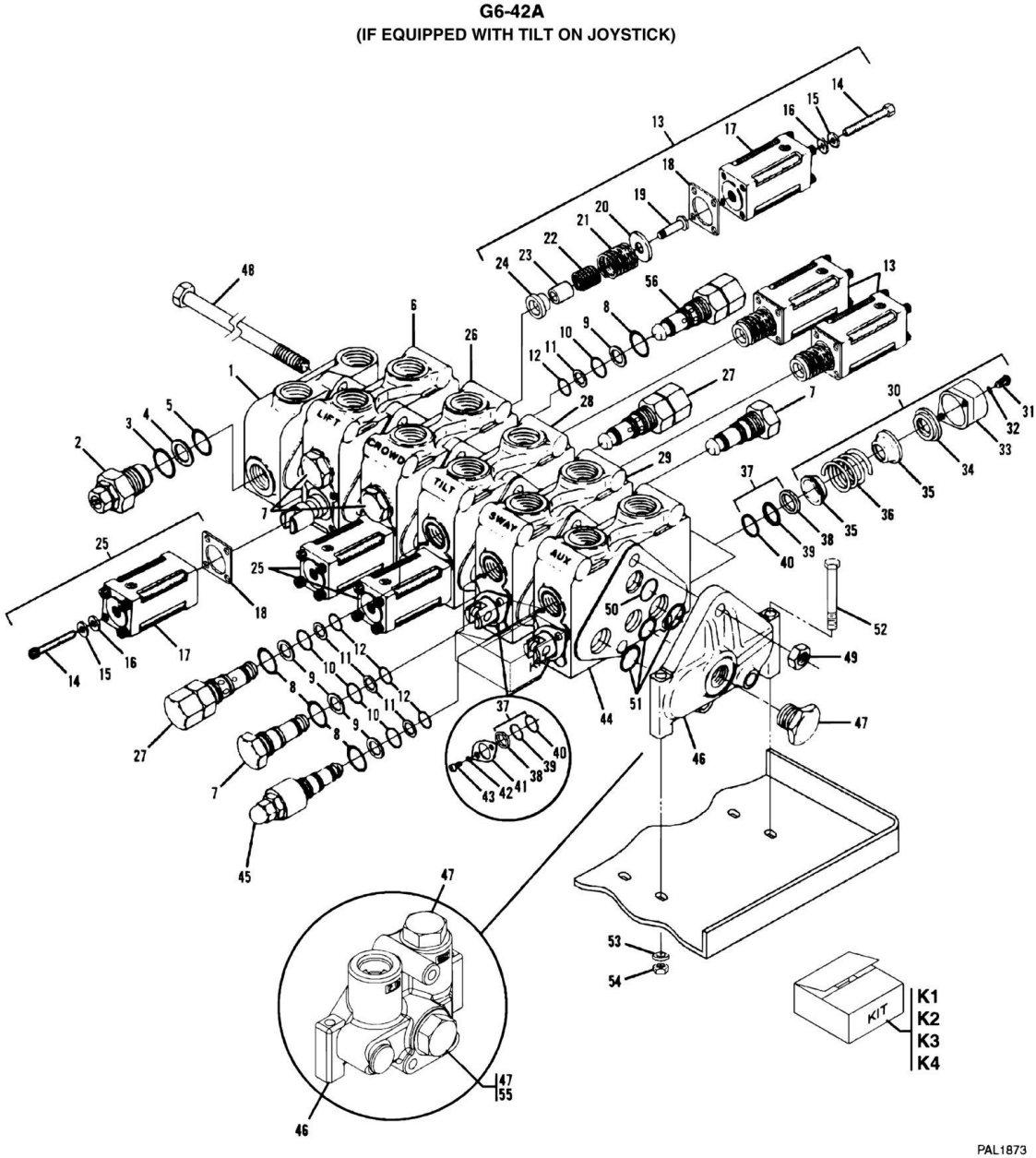
SECTION 9 - HYDRAULIC COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	91404192	2	PORT RESTRICTOR ASSY, (includes items 46 & 47)	
46	N.S.S.	1	ORIFICE PLATE	
47	N.S.S.	1	CONICAL SPRING	
48	91084278	1	OUTLET COVER ASSY, (includes item 49)	
49	91084279	1	PLUG	
50	88201028	3	HEX HD CAPSCREW, 5/16-18X3, GR5	
51	88561003	3	FLAT WASHER, 5/16	
52	88521305	3	NYLOCK NUT, 5/16-18	
53	91404214	6	SEAL RETAINER	
54	91084006	3	SEAL RETAINER KIT, (includes items 41 & 42)	
55	7029862	1	VALVE SECTION ASSY, (Aux), (includes one each of items 32 & 54 & two each of items 29, 39, 40 & 53)	
K1	91084203	1	STUD KIT, (includes items 6 & 7)	
K2	91404178	6	VALVE SECTION SEAL KIT, (includes items 38 & 43)	
K3	91404179	1	MAIN RELIEF SEAL KIT, (includes items 3, 4 & 5)	
K4	70020717	8	PLUG SEAL KIT, (includes items 10 thru 14)	
K5	91084005	6	SPOOL SEAL KIT, (includes one each of items 39, 40 & 53)	

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FIGURE 9-22. MAIN CONTROL VALVE G6-42A



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FIGURE 9-22. MAIN CONTROL VALVE G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001001062	1	MAIN CONTROL VALVE, (G6-42A), (if equipped with tilt on joystick), (includes items 1 thru 51 & 56)	C
1	91084008	1	INLET COVER ASSY, (includes item 2)	
2	70021544	1	MAIN RELIEF, 4000PSI, (includes items 3 thru 5)	
3	Kit K3	1	O-RING	
4	Kit K3	1	BACKUP RING	
5	Kit K3	1	O-RING	
6	91404182	1	VALVE SECTION ASSY, (Lift), (includes one each of items 13 & 25 and two of item 7)	
7	91084010	5	LOAD CHECK PLUG, (includes items 8 thru 12)	
8	Kit K4	10	O-RING	
9	Kit K4	10	BACKUP RING	
10	Kit K4	10	O-RING	
11	Kit K4	10	BACKUP RING	
12	Kit K4	10	O-RING	
13	91094024	3	HYDRAULIC REMOTE POSITIONER, (includes items 14 thru 24)	
14	N.S.S.	24	HEX HD CAPSCREW, 1/4-20X3	
15	N.S.S.	24	LOCKWASHER, 1/4	
16	N.S.S.	6	BEARING PLATE	
17	N.S.S.	6	BONNET	
18	N.S.S.	6	SEAL	
19	N.S.S.	3	SPOOL POSITIONER	
20	N.S.S.	3	WASHER	
21	N.S.S.	3	SPRING, (large)	
22	N.S.S.	3	SPRING, (small)	
23	N.S.S.	3	STOP SLEEVE	
24	N.S.S.	3	STOP COLLAR	
25	91094023	3	HYDRAULIC REMOTE POSITIONER, (includes items 14 thru 18)	
26	91404186	1	VALVE SECTION ASSY, (Extend/Retract), (includes one each of items 7, 13, 25 & 56)	
27	70021460	2	RELIEF CARTRIDGE, 4300PSI, (includes items 8 thru 12)	
28	91504080	1	VALVE SECTION ASSY, (Tilt), (includes one each of items 13 & 25 and two of item 27)	
29	91404191	1	VALVE SECTION ASSY, (Frame Level), (includes one each of items 30 & 41 and two each of 7 & 37)	
30	91084004	2	SPOOL POSITIONER ASSY, (includes items 31 thru 36)	
31	N.S.S.	4	SCREW	
32	N.S.S.	4	WASHER	
33	N.S.S.	2	BONNET	
34	N.S.S.	2	SPOOL COLLAR	
35	N.S.S.	4	SPRING COLLAR	
36	N.S.S.	2	SPRING	
37	91084005	4	SPOOL SEAL KIT, (includes items 38 thru 40)	
38	N.S.S.	4	RETAINER	
39	N.S.S.	4	WASHER	
40	N.S.S.	4	SEAL	
41	91084006	2	SPOOL RETAINER, (includes items 42 & 43)	
42	N.S.S.	4	WASHER	
43	N.S.S.	4	SCREW	

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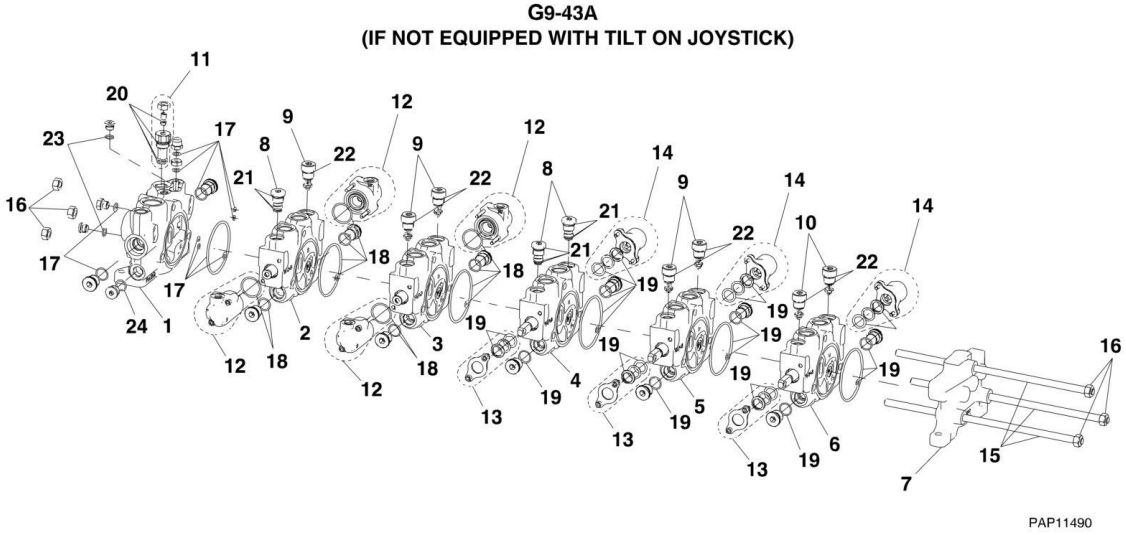
SECTION 9 - HYDRAULIC COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	7029862	1	VALVE SECTION ASSY, (Aux), (includes one each of items 30 & 41 and two each of 37 & 45)	
45	70021461	2	RELIEF CARTRIDGE, 3000PSI, (includes items 8 thru 12)	
46	91084278	1	OUTLET COVER ASSY, (no outrigger), (includes item 47)	
46	70021281	1	OUTLET COVER ASSY, (with outrigger), (includes items 47 & 55)	
47	91084279	1	PLUG, (no outrigger)	
47	70021279	2	PLUG, (with outrigger)	
48	Kit K2	3	HEX HD CAPSCREW	
49	Kit K2	3	HEX NUT	
50	Kit K1	7	O-RING	
51	Kit K1	17	O-RING	
52	88411045	3	CARRIAGE BOLT, 5/16-18X3	
53	4751500	3	FLAT WASHER, 5/16	
54	88521305	3	HEX LOCKNUT, 5/16-18	
55	70021280	1	PLUG	
56	70021459	1	RELIEF CARTRIDGE, 3800PSI, (includes items 8 thru 12)	
K1	7029863	1	VALVE SECTION SEAL KIT, (includes items 50 & 51)	
K2	7029864	1	STUD KIT, (no outrigger), (includes items 48 & 49)	
K2	70021278	1	STUD KIT, (with outrigger), (includes items 48 & 49)	
K3	91034237	1	MAIN RELIEF SEAL KIT, (includes items 3, 4 & 5)	
K4	7029865	5	PLUG SEAL KIT, (includes items 8 thru 12)	

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FIGURE 9-23. MAIN CONTROL VALVE G9-43A



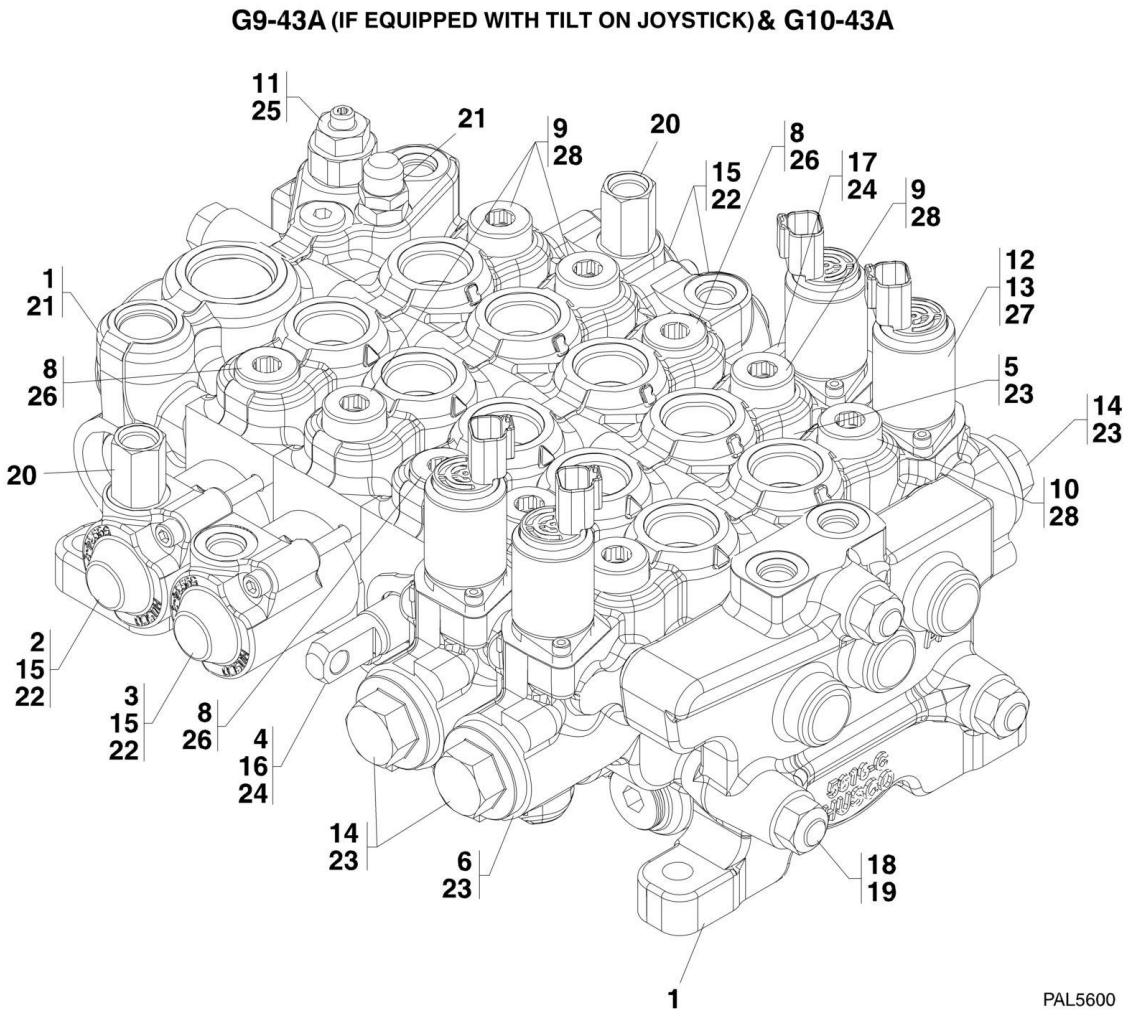
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FIGURE 9-23. MAIN CONTROL VALVE G9-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001105611	1	MAIN CONTROL VALVE, (G9-43A, if not equipped with tilt on joystick), (includes items 1 thru 24)	F
1	70023311	1	INLET SECTION ASSY	
2	70024192	1	SPOOL SECTION ASSY, LIFT	
3	70024193	1	SPOOL SECTION ASSY, EXTEND/RETRACT	
4	70024194	1	SPOOL SECTION ASSY, FRAME LEVEL	
5	70024195	1	SPOOL SECTION ASSY, TILT	
6	70024196	1	SPOOL SECTION ASSY, AUX	
7	70024197	1	OUTLET SECTION ASSY	
8	70022008	3	SHUT-OFF PLUG ASSY	
9	70022010	5	RELIEF VALVE, 280 BAR	
10	70022011	2	RELIEF VALVE, 185 BAR	
11	70024198	1	DRAIN REGULATOR ASSY	
12	70022016	4	END MECHANISM PO KIT	
13	70023318	3	SEAL PLATE GROUP	
14	70023319	3	END MECHANISM KIT	
15	70023320	3	TIE ROD, METRIC	
16	70022019	6	TIE ROD NUT, METRIC	
17	70022020	1	INLET SEAL KIT	
18	70024199	2	PO SECTION SEAL KIT	
19	70024200	3	MANUAL SECTION SEAL KIT	
20	8036508	1	DRAIN REGULATOR SEAL KIT	
21	70022023	3	SHUT-OFF PLUG/FULL FLOW RV SEAL KIT	
22	70022025	7	O-RING	
23	70024201	2	O-RING	
24	70024202	1	O-RING	
108	8304042	4	ROUND HD CARRIAGE BOLT, 3/8-16X1-1/2, (not shown)	
109	4761600	4	LOCKWASHER, 3/8, (not shown)	
110	88501006	4	HEX NUT, 3/8-16, (not shown)	
115	4751600	4	WASHER, 3/8, (not shown)	

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FIGURE 9-24. MAIN CONTROL VALVE G9-43A & G10-43A



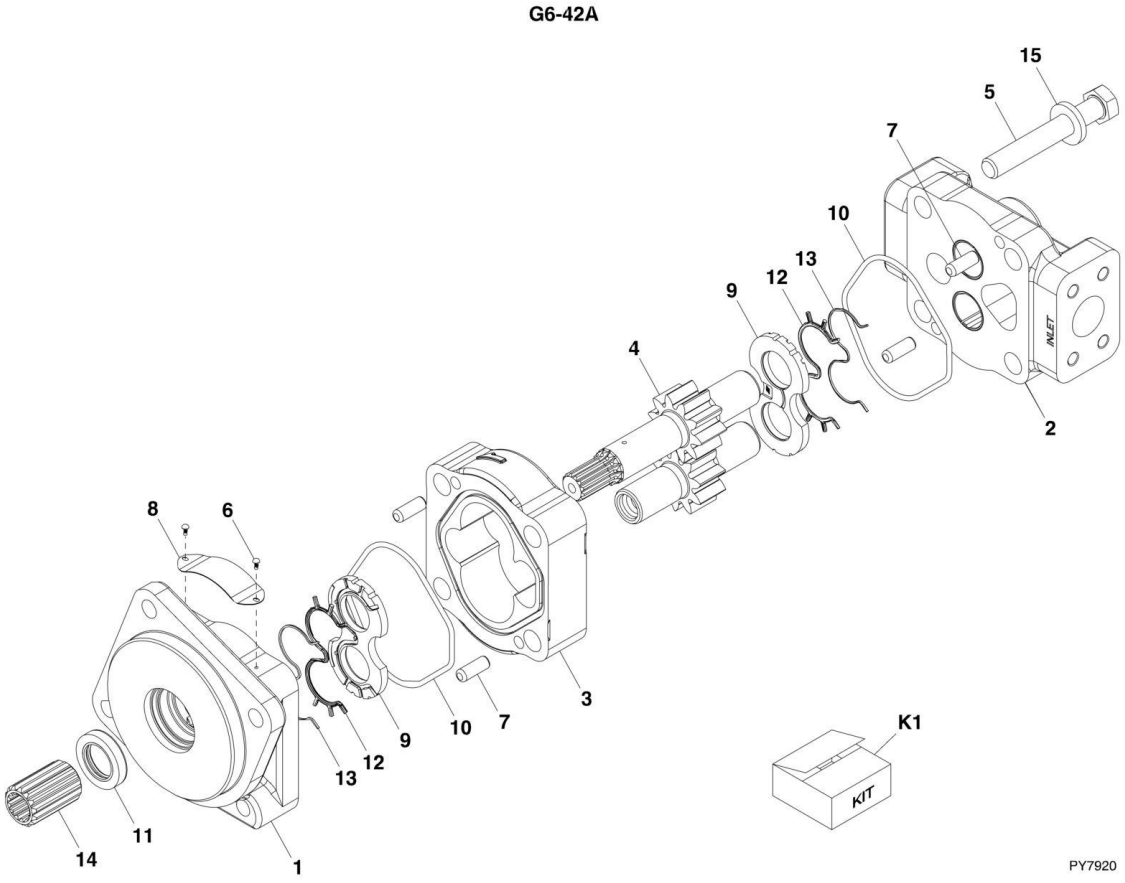
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FIGURE 9-24. MAIN CONTROL VALVE G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001107464	1	MAIN CONTROL VALVE, (G9-43A, if equipped with tilt on joystick), (G10-43A), (includes all items)	F
1	70023311	1	INLET SECTION ASSY	
2	70023312	1	SPOOL SECTION ASSY, LIFT	
3	70023313	1	SPOOL SECTION ASSY, EXTEND/RETRACT	
4	70023314	1	SPOOL SECTION ASSY, FRAME LEVEL	
5	70023315	1	SPOOL SECTION ASSY, TILT	
6	70023316	1	SPOOL SECTION ASSY, AUX	
7	70022007	1	OUTLET SECTION ASSY	
8	70022008	3	SHUT-OFF PLUG ASSY	
9	70022010	5	RELIEF VALVE, 280 BAR	
10	70022011	2	RELIEF VALVE, 185 BAR	
11	70023317	1	DRAIN REGULATOR ASSY	
12	70022013	4	SOLENOID-CARTRIDGE VALVE	
13	70022014	8	SOCKET HD CAPSCREW	
14	70022015	4	END MECHANISM KIT	
15	70022016	4	END MECHANISM KIT, PO	
16	70023318	1	SEAL PLATE GROUP	
17	70023319	1	SPOOL END GROUP	
18	70023320	3	TIE ROD	
19	70022019	6	TIE ROD NUT	
20	70023321	2	CHECK VALVE ASSY	
21	70022020	1	INLET SEAL KIT	
22	70022021	1	PO SECTION SEAL KIT	
23	70022022	1	EH SECTION SEAL KIT	
24	70023322	1	MANUAL SECTION SEAL KIT	
25	8036508	1	DRAIN REGULATOR SEAL KIT	
26	70022023	1	SHUT-OFF PLUG AND FULL FLOW RV SEAL KIT	
27	70022024	1	PPRV SEAL KIT	
28	70023323	1	O-RING	

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FIGURE 9-25. HYDRAULIC PUMP G6-42A



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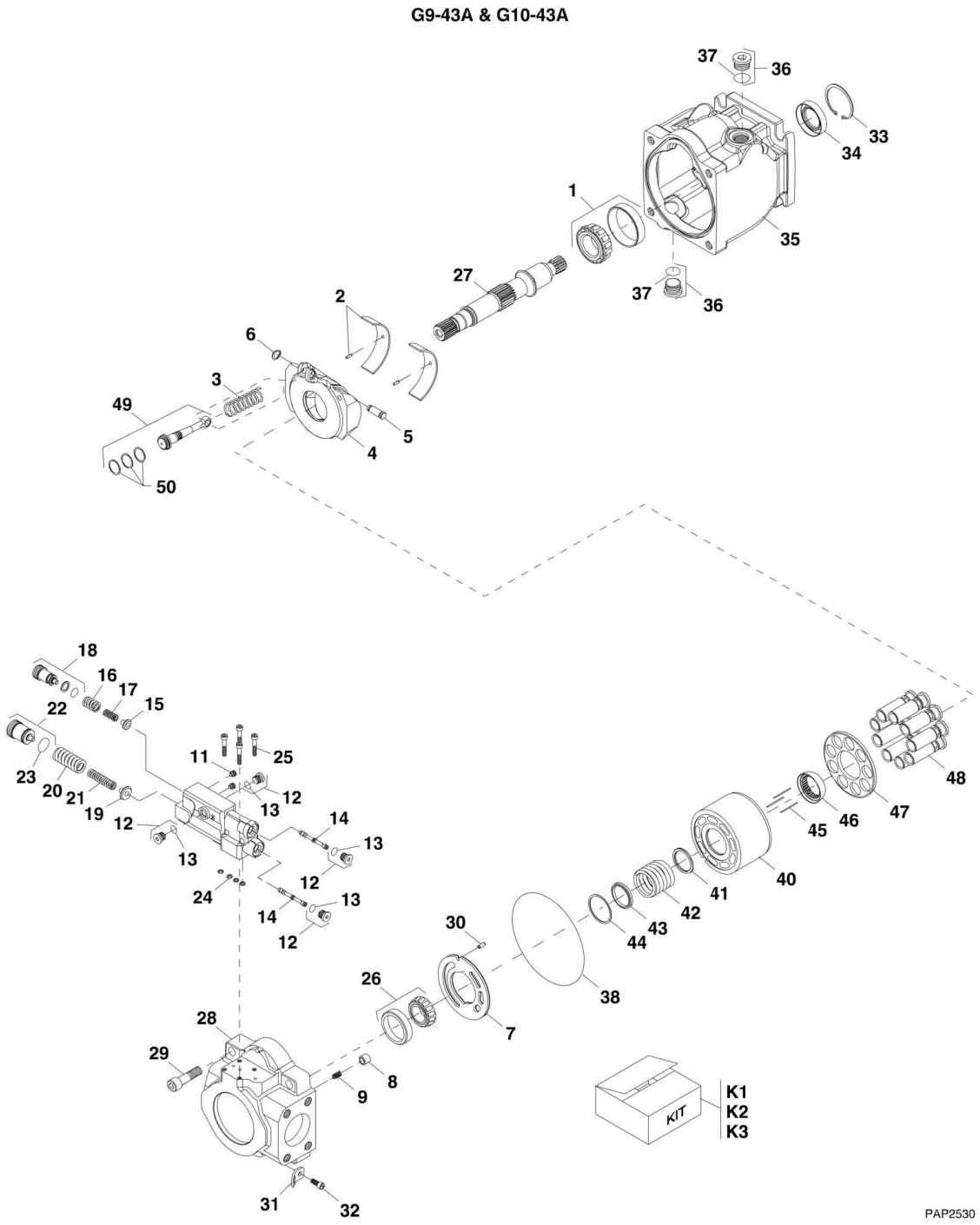
FIGURE 9-25. HYDRAULIC PUMP G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3600449	1	HYDRAULIC PUMP, (G6-42A), (includes all items)	B
1	7029844	1	SHAFT END COVER ASSY	
2	91474178	1	PORT END COVER ASSY	
3	91474179	1	GEAR HOUSING	
4	7029843	1	GEAR SHAFT SET	
5	91474181	4	CAPSCREW	
6	7029112	2	DRIVE SCREW	
7	83671037	4	DOWEL PIN	
8	7029842	1	NAME PLATE	
9	83674096	2	THRUST PLATE	
10	Kit K1	2	O-RING	
11	Kit K1	1	LIP SEAL	
12	Kit K1	2	CHANNEL SEAL	
13	Kit K1	2	BACK-UP SEAL	
14	8035744	1	SPLINE ADAPTER	
15	8035261	4	WASHER	
K1	91474624	1	SEAL KIT, (includes items 10 thru 13)	

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SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-26. HYDRAULIC PUMP G9-43A & G10-43A



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FIGURE 9-26. HYDRAULIC PUMP G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001105613	1	HYDRAULIC PUMP, (G9-43A & G10-43A), (includes all items)	C
1	70002578	1	FRONT BEARING KIT	
2	70002579	1	SWATCH PLATE BEARING KIT	
3	70002580	1	SPRING	
4	70002581	1	SWASH PLATE	
5	70002582	1	RETAINER SHAFT	
6	70002583	1	RETAING RING	
7	70023349	1	LH VALVE PLATE	
8	70001956	1	CHECK VALVE POPPET	
9	70001955	1	SPRING	
11	70023351	2	SET SCREW	
12	70002133	4	PLUG	
13	7007207	8	O-RING	
14	70023352	2	SPOOL	
15	70023353	1	SPRING GUIDE, LS	
16	70023354	1	OUTER SPRING, LS	
17	70023355	1	INNER SPRING, LS	
18	70023356	2	ADJUSTING PLUG, LS	
19	70023357	1	SPRING GUIDE, PC	
20	70023358	1	OUTER SPRING, PC	
21	70023359	1	INNER SPRING, PC	
22	70023360	1	ADJUSTING PLUG, PC	
23	70023361	2	O-RING	
24	70023362	8	SEAL RING	
25	70023363	4	SCREW	
26	70002585	1	REAR BEARING KIT	
27	70023364	1	SHAFT	
28	70023365	1	RADIAL END CAP	
29	70002588	4	SCREW	
30	7007446	1	SLOTTED PIN	
31	7022340	1	LIFTING BRACKET	
32	70002590	1	SCREW	
33	7023962	1	RETAINING RING	
34	70022287	2	LIP SEAL	
35	70022288	1	HOUSING	
36	7023964	2	PLUG	
37	7007415	4	O-RING	
38	70002595	2	END CAP SEAL	
40	70023366	1	CYLINDER BLOCK	
41	7007429	1	SPRING SEAT	
42	70002591	1	SPRING	
43	7007427	1	SPRING SEAT	
44	7007426	1	RETAINING RING	
45	7021275	3	HOLD DOWN PIN	
46	70002592	1	SLIPPER RETAINER GUIDE	
47	70002593	1	SLIPPER RETAINER	
48	70002594	9	PISTON ASSY	
49	70023367	1	SERVO PISTON ASSY	
50	70002598	6	PISTON RING	
K1	70023350	1	CONTROL KIT, (includes items 11 thru 25)	

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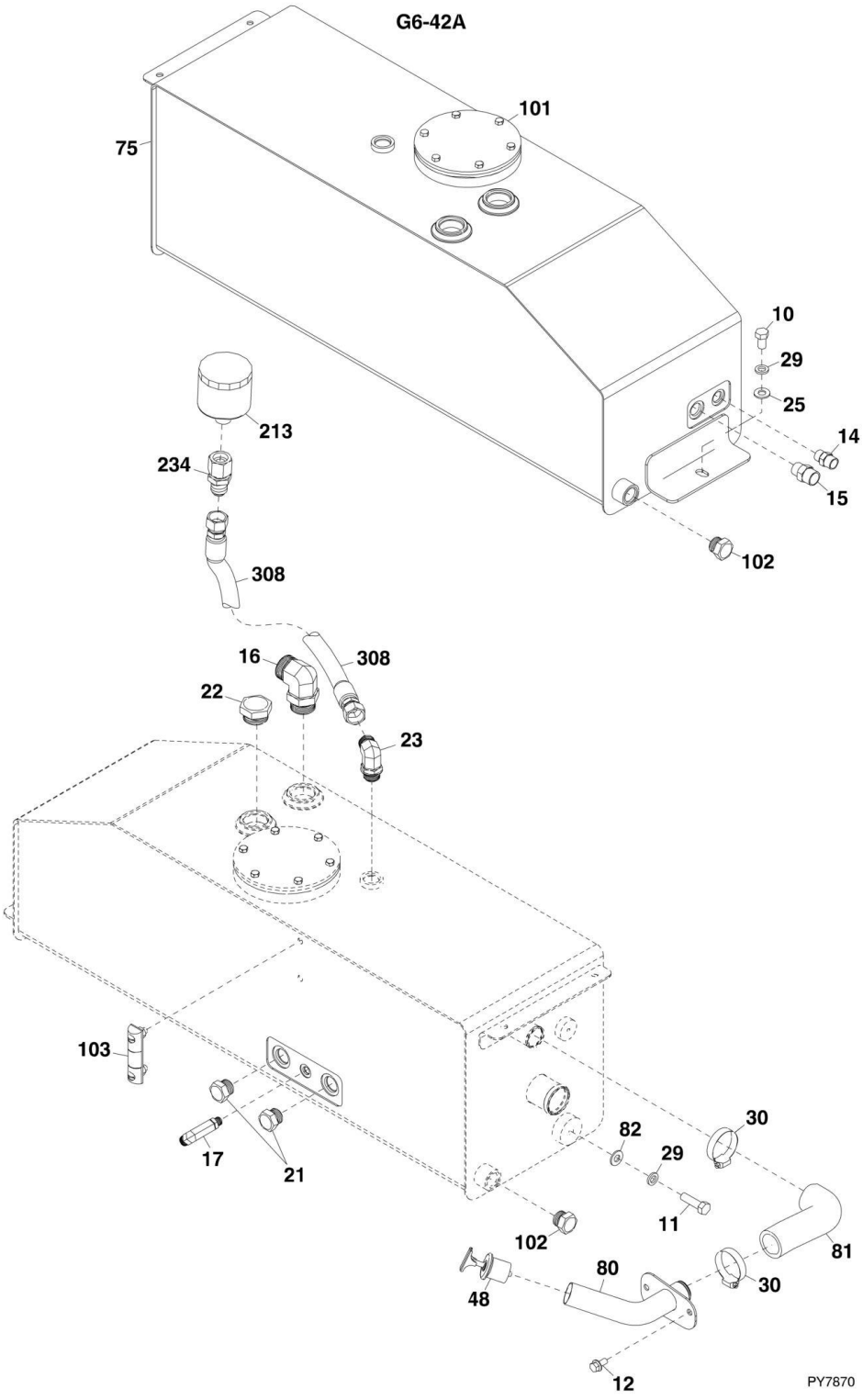
SECTION 9 - HYDRAULIC COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
K2	70002596	1	CYLINDER BLOCK KIT, (includes items 40 thru 48)	
K3	70002599	1	OVERHAUL SEAL KIT	

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FIGURE 9-27. HYDRAULIC TANK G6-42A



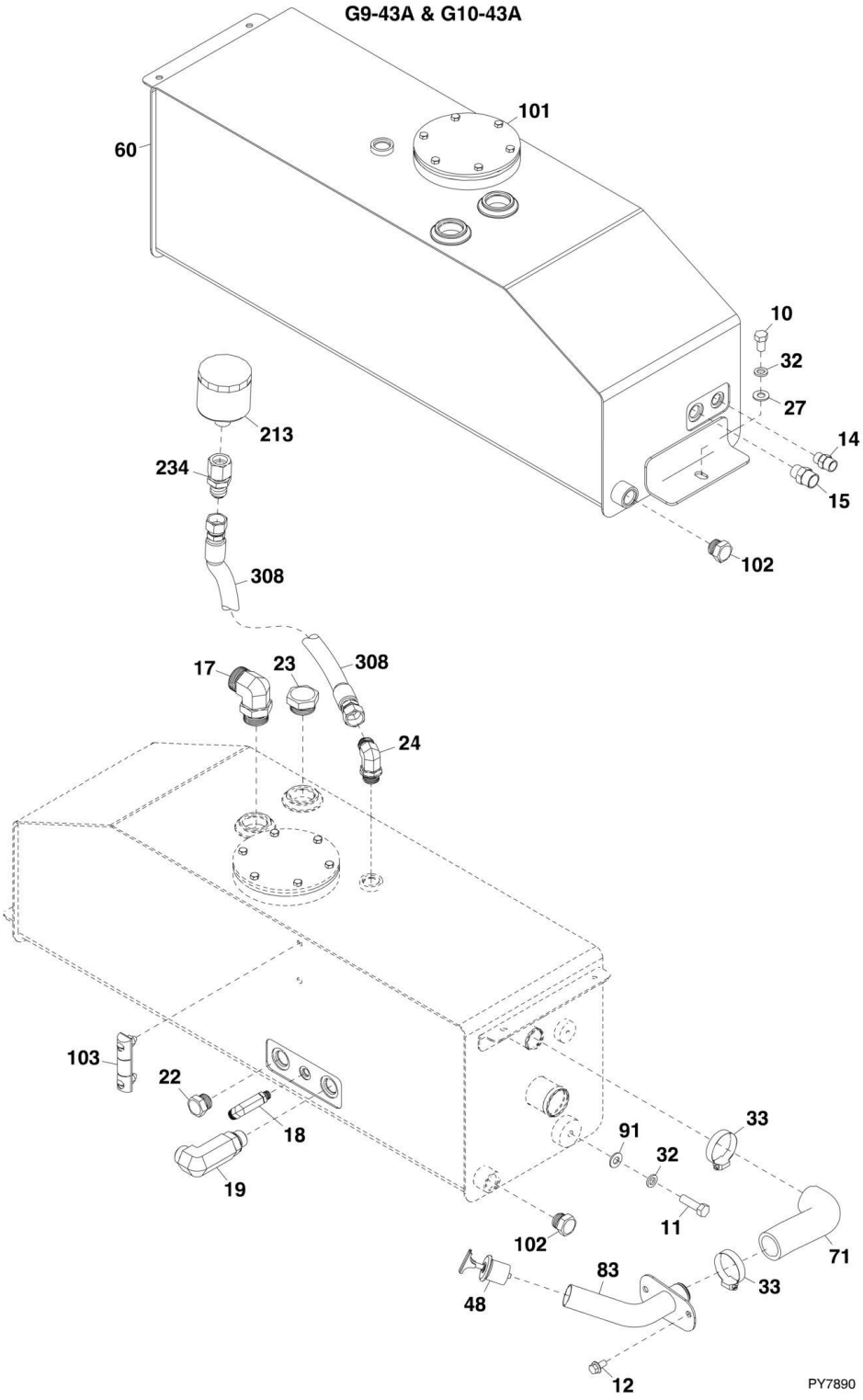
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FIGURE 9-27. HYDRAULIC TANK G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
10	0641807	1	HEX HD CAPSCREW, 1/2-13X7/8, GR5	
11	0641814	1	HEX HD CAPSCREW, 1/2-13X1-3/4, GR5	
12	0811606	2	SCREW, 3/8-16X3/4	
14	2110808	1	STRAIGHT FITTING, (includes o-ring)	
15	2111010	1	STRAIGHT FITTING, (includes o-ring)	
16	2132020	1	ADAPTER, 90, (includes o-ring)	
17	2170206	1	ADAPTER, 90, (includes o-ring)	
21	2220240	2	PLUG, (includes o-ring)	
22	2220243	1	PLUG, (includes o-ring)	
23	2220578	1	ADAPTER, 90, (includes o-ring)	
25	4711800	1	WASHER, 1/2	
29	4761800	2	LOCKWASHER, 1/2	
30	8405104	2	2-1/4IN CLAMP	
48	91403579	1	CAP	
75	1001120654	1	HYDRAULIC TANK, (includes items 101 thru 103)	J
80	1001136981	1	TUBE	
81	1001128038	1	HOSE	
82	91561241	1	WASHER, 1/2	
101	70024152	1	FILTER KIT, (includes filter and gasket)	
102	70023345	2	PLUG	
103	70024153	1	SIGHT GAUGE	
213	1340021	1	AIR BREATHER	
234	91163100	1	ADAPTER	
308	1001121498	1	HOSE ASSY	

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FIGURE 9-28. HYDRAULIC TANK G9-43A & G10-43A



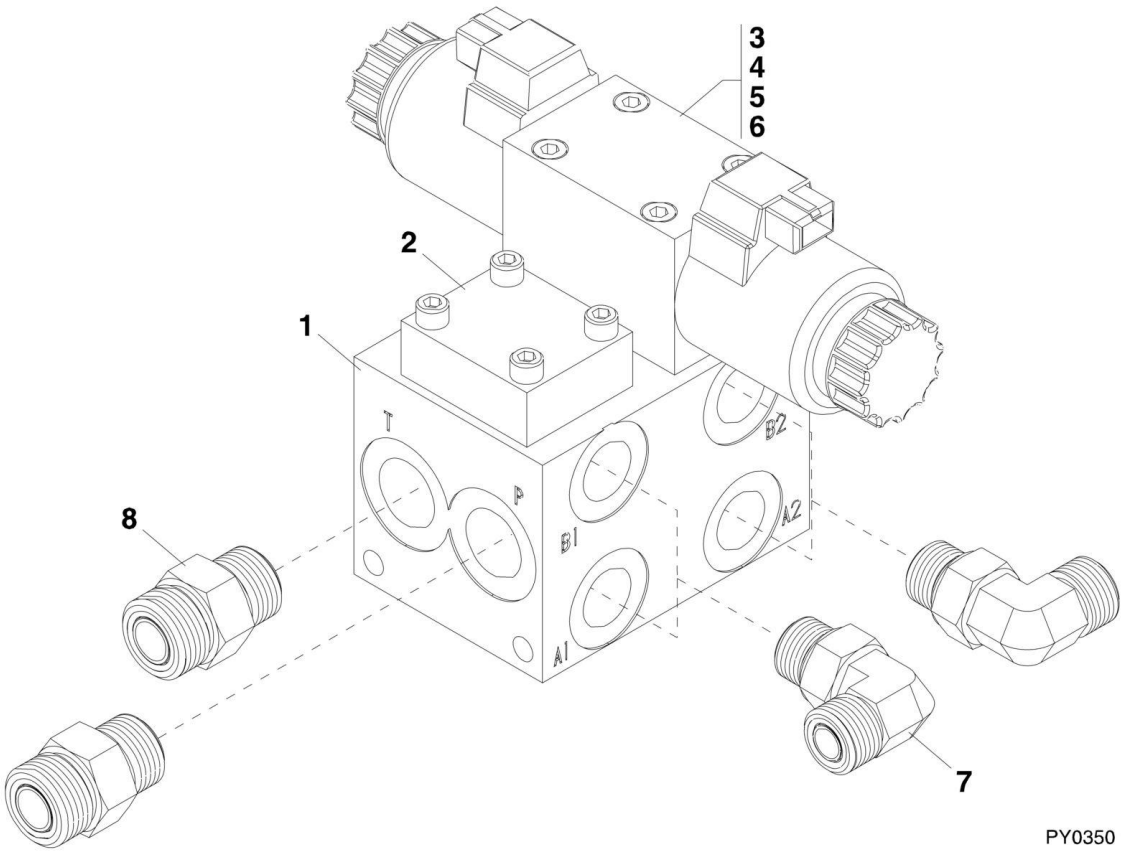
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FIGURE 9-28. HYDRAULIC TANK G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
10	0641807	1	HEX HD CAPSCREW, 1/2-13X7/8, GR5	
11	0641814	1	HEX HD CAPSCREW, 1/2-13X1-3/4, GR5	
12	0811606	2	SCREW, 3/8-16X3/4	
14	2110808	1	STRAIGHT FITTING, (includes o-ring)	
15	2111010	1	STRAIGHT FITTING, (includes o-ring)	
17	2132020	1	ADAPTER, 90, (includes o-ring)	
18	2170206	1	ADAPTER, 90, (includes o-ring)	
19	2170212	1	ADAPTER, 90, (includes o-ring)	
22	2220240	1	PLUG, (includes o-ring)	
23	2220243	1	PLUG, (includes o-ring)	
24	2220578	1	ADAPTER, 90, (includes o-ring)	
27	4711800	1	WASHER, 1/2	
32	4761800	2	LOCKWASHER, 1/2	
33	8405104	2	2-1/4IN CLAMP	
48	91403579	1	CAP	
60	1001120654	1	HYDRAULIC TANK, (includes items 101 thru 103)	J
71	1001128038	1	HOSE	
83	1001136981	1	TUBE	
91	91561241	1	WASHER, 1/2	
101	70024152	1	FILTER KIT, (includes filter and gasket)	
102	70023345	2	PLUG	
103	70024153	1	SIGHT GAUGE	
213	1340021	1	AIR BREATHER	
234	91163100	1	ADAPTER	
308	1001123065	1	HOSE ASSY	

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FIGURE 9-29. STEER SELECT VALVE



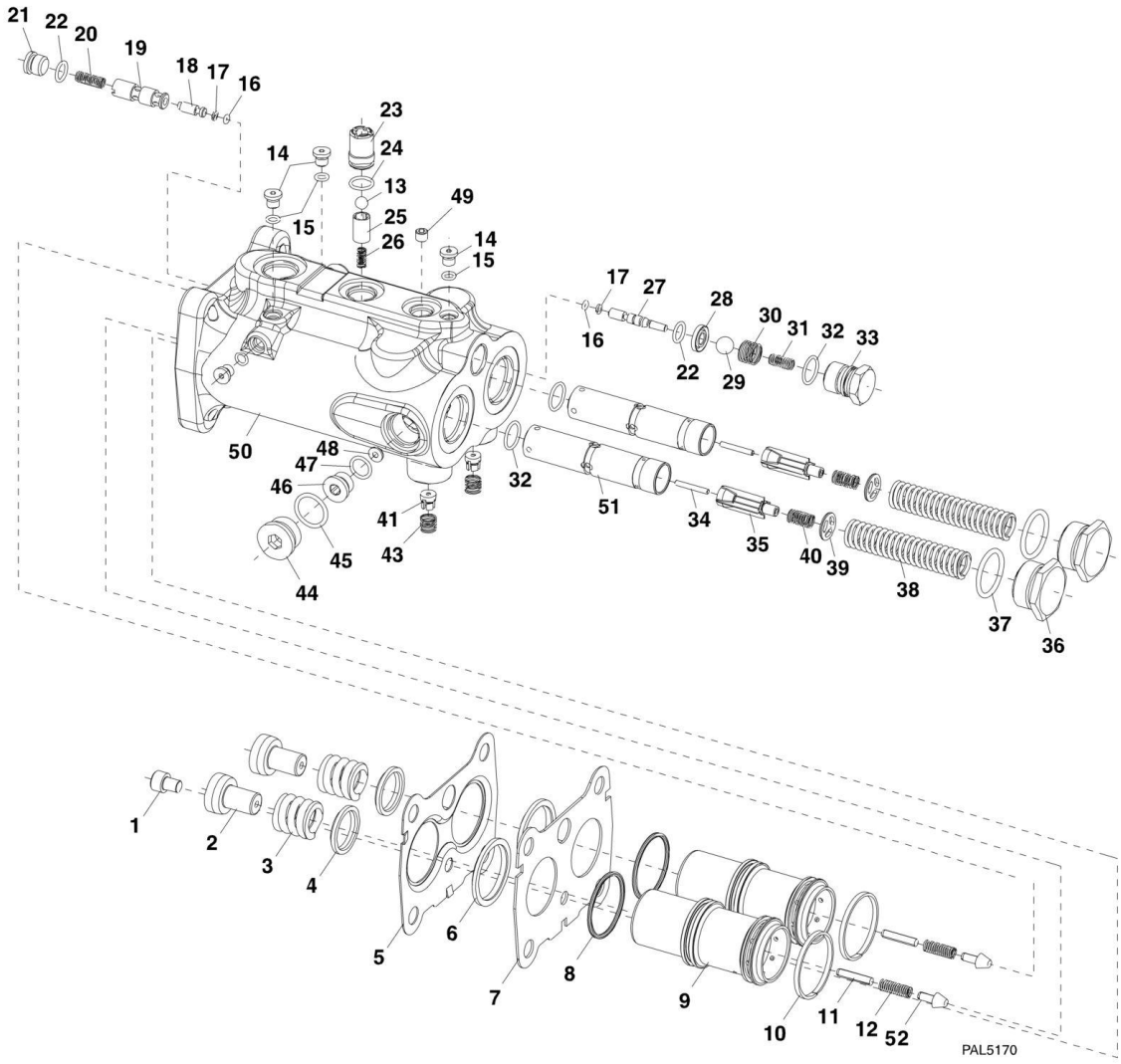
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FIGURE 9-29. STEER SELECT VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001001016	1	STEERING SELECT VALVE, (includes all items)	C
1	7029915	1	STEERING	
2	7029916	1	COVER PLATE	
3	91474402	1	DIRECTIONAL CONTROL VALVE, (includes items 4 thru 6)	
4	91474407	2	COIL	
5	7029917	2	NUT	
6	7012773	1	SEAL KIT	
7	88662065	4	ADAPTER, 90, (includes o-ring)	
8	88662019	2	CONNECTOR, (includes o-ring)	

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FIGURE 9-30. BRAKE VALVE



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FIGURE 9-30. BRAKE VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001106836	1	POWER BRAKE VALVE, (includes all items)	A
1	91474454	1	SCREW	
2	91474442	2	PIN	
3	70020659	2	SPRING	
4	91474441	2	WIPER	
5	70020660	1	COVER	
6	91474440	2	WIPER	
7	70020661	1	COVER	
8	91474439	2	QUAD RING	
9	70020662	2	PISTON	
10	70020663	2	PISTON RING	
11	70023037	2	PIN	
12	91474438	2	SPRING	
13	91474452	1	BALL	
14	91474450	4	PLUG	
15	91474451	4	O-RING	
16	91474453	2	O-RING	
17	91514199	2	BACKUP RING	
18	91474455	1	DUMP PISTON	
19	91474456	1	DUMP SPOOL	
20	70020665	1	SPRING	
21	91474458	1	PLUG	
22	91514198	2	O-RING	
23	70020666	1	INLET SEAT	
24	70020667	1	O-RING	
25	70020668	1	RETAINER	
26	70020669	1	SPRING	
27	91474447	1	PISTON	
28	91474446	1	SEAT	
29	70020670	1	BALL	
30	70020671	1	SPRING	
31	70020672	1	SPRING	
32	91514197	3	O-RING	
33	91474443	1	PLUG	
34	70020673	2	NEEDLE ROLLER	
35	70020674	2	MAKE-UP CHECK	
36	91474434	2	PLUG	
37	91474435	2	O-RING	
38	70020675	2	SPRING	
39	70020676	2	SPRING GUIDE	
40	70020677	2	SPRING	
41	70020678	2	ORIFICE	
43	70020679	2	SPRING	
44	91474459	1	PLUG	
45	91474460	1	O-RING	
46	70020680	1	PLUG	
47	70020681	1	O-RING	
48	70020682	1	ORIFICE	
49	70023039	1	ORIFICE	
50	N.S.S.	1	HOUSING	

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SECTION 9 - HYDRAULIC COMPONENTS

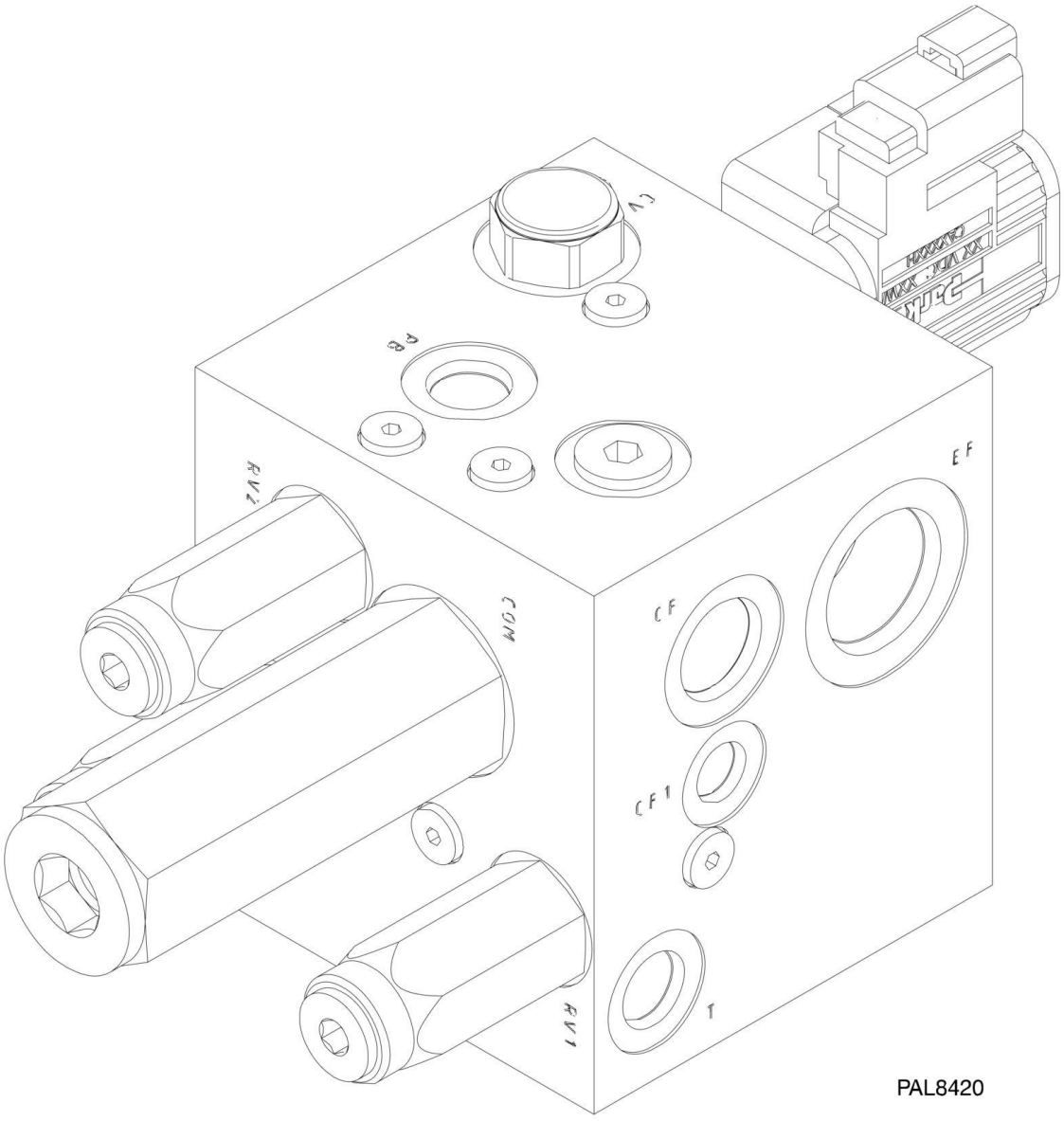
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	N.S.S.	2	SPOOL	
52	70023038	2	POPPET	

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FIGURE 9-31. PRIORITY VALVE

G6-42A



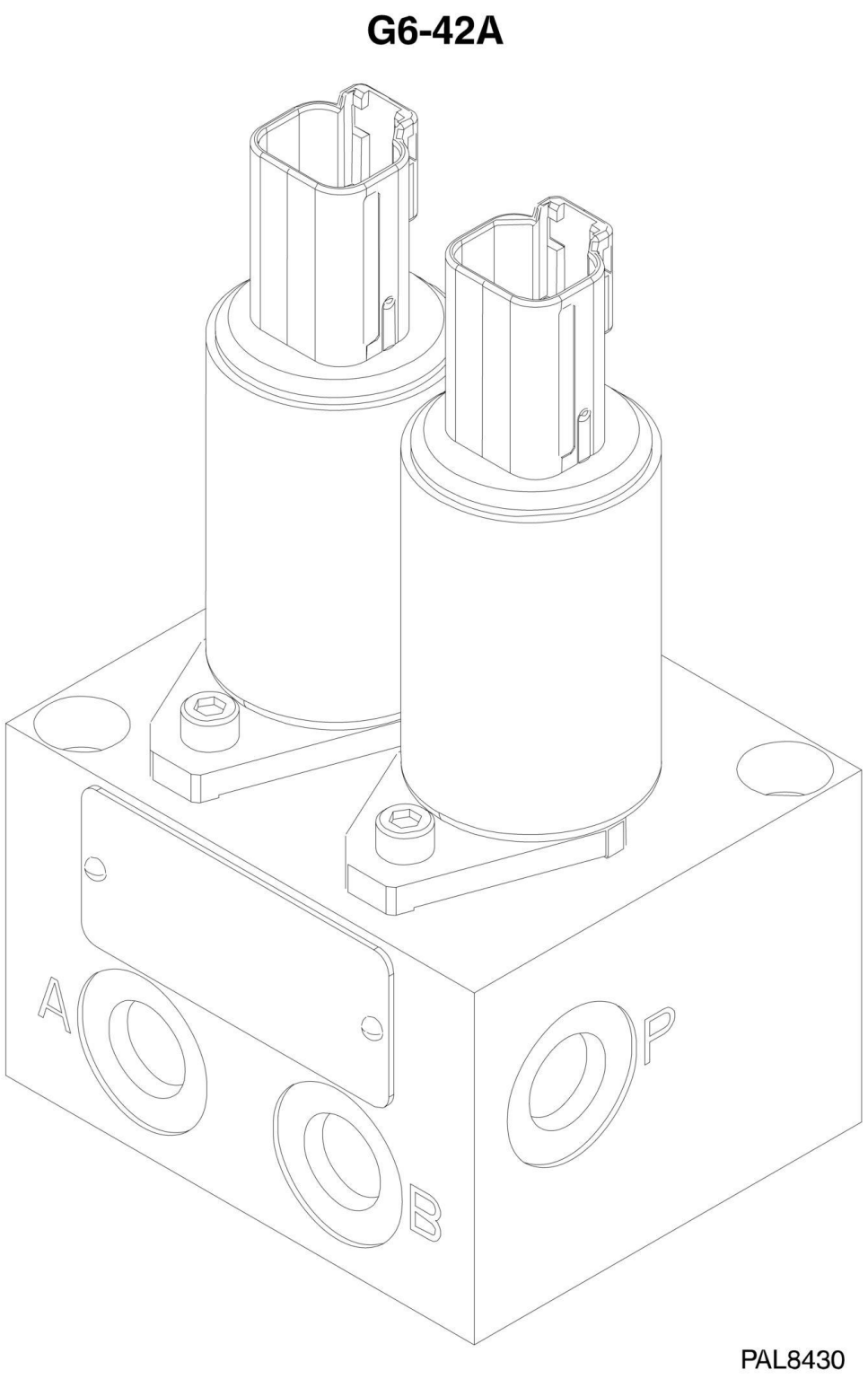
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FIGURE 9-31. PRIORITY VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001132258	1	PRIORITY VALVE, (G6-42A)	B

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FIGURE 9-32. SOLENOID VALVE



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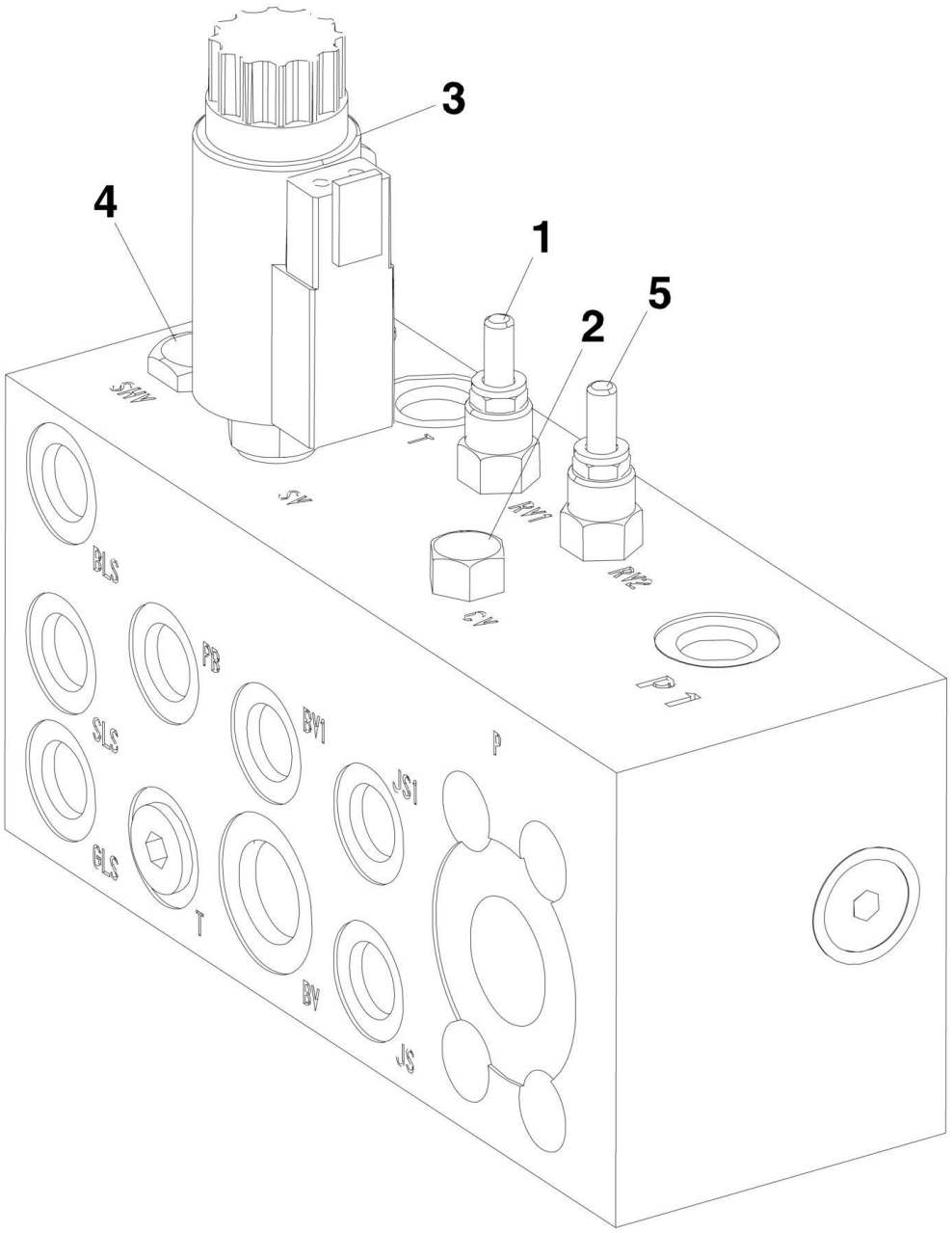
FIGURE 9-32. SOLENOID VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001137436	1	SOLENOID VALVE, (G6-42A)	A

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FIGURE 9-33. HYDRAULIC VALVE

G9-43A & G10-43A



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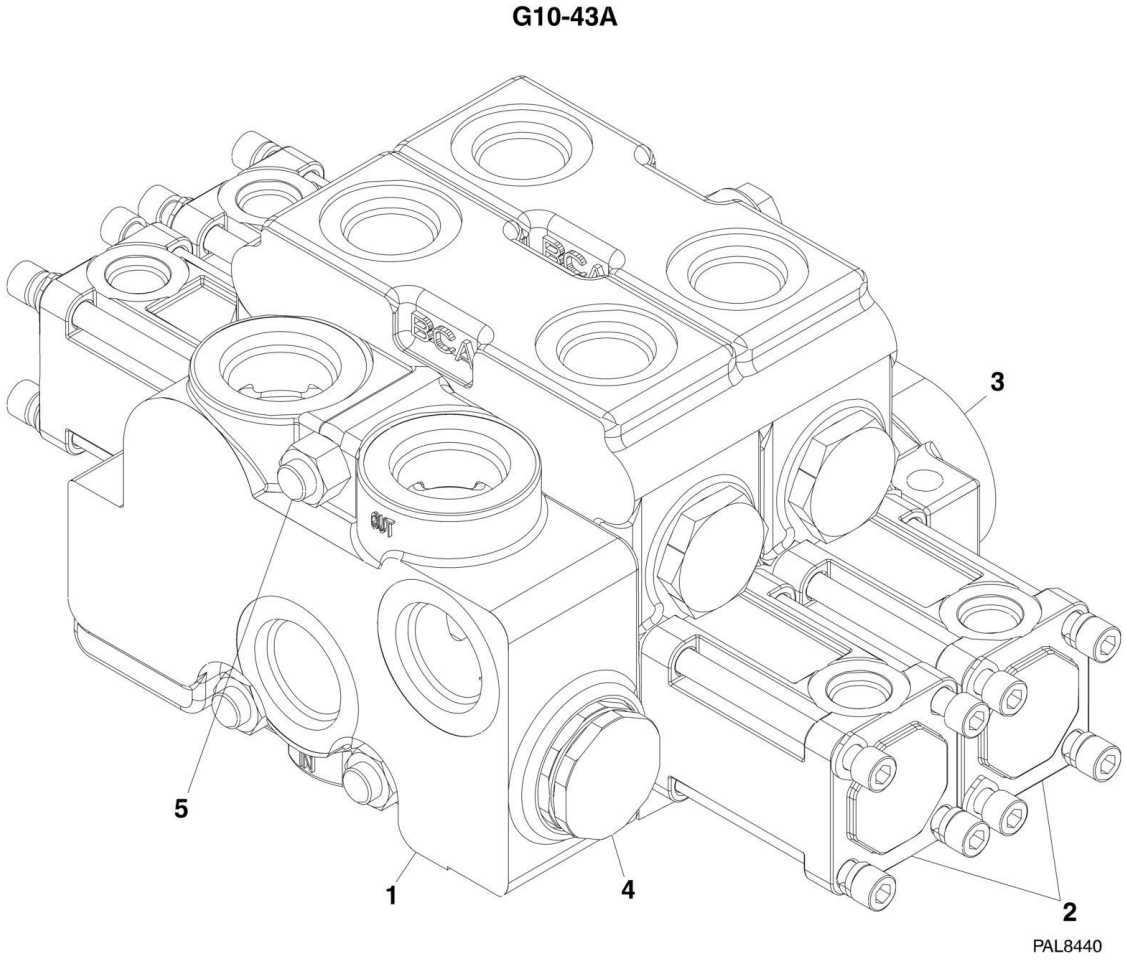
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FIGURE 9-33. HYDRAULIC VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91563190	1	HYDRAULIC MANIFOLD VALVE, (G9-43A & G10-43A), (includes all items)	B
1	7026998	1	PRESSURE REDUCING VALVE	
2	7026999	1	CHECK VALVE	
3	70023992	1	SOLENOID VALVE	
4	7018300	1	SHUTTLE VALVE	
5	7027100	1	PRESSURE REDUCING VALVE	
6	80434249	1	COIL	

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FIGURE 9-34. OUTRIGGER CONTROL VALVE



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FIGURE 9-34. OUTRIGGER CONTROL VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001107686	1	OUTRIGGER CONTROL VALVE, (G10-43A), (includes all items)	A
1	70023814	1	INLET SECTION	
2	70023815	2	WORK SECTIONS	
3	70023816	1	OUTLET SECTION	
4	70023817	1	MAIN RV PLUG	
5	70023818	1	STUD KIT	

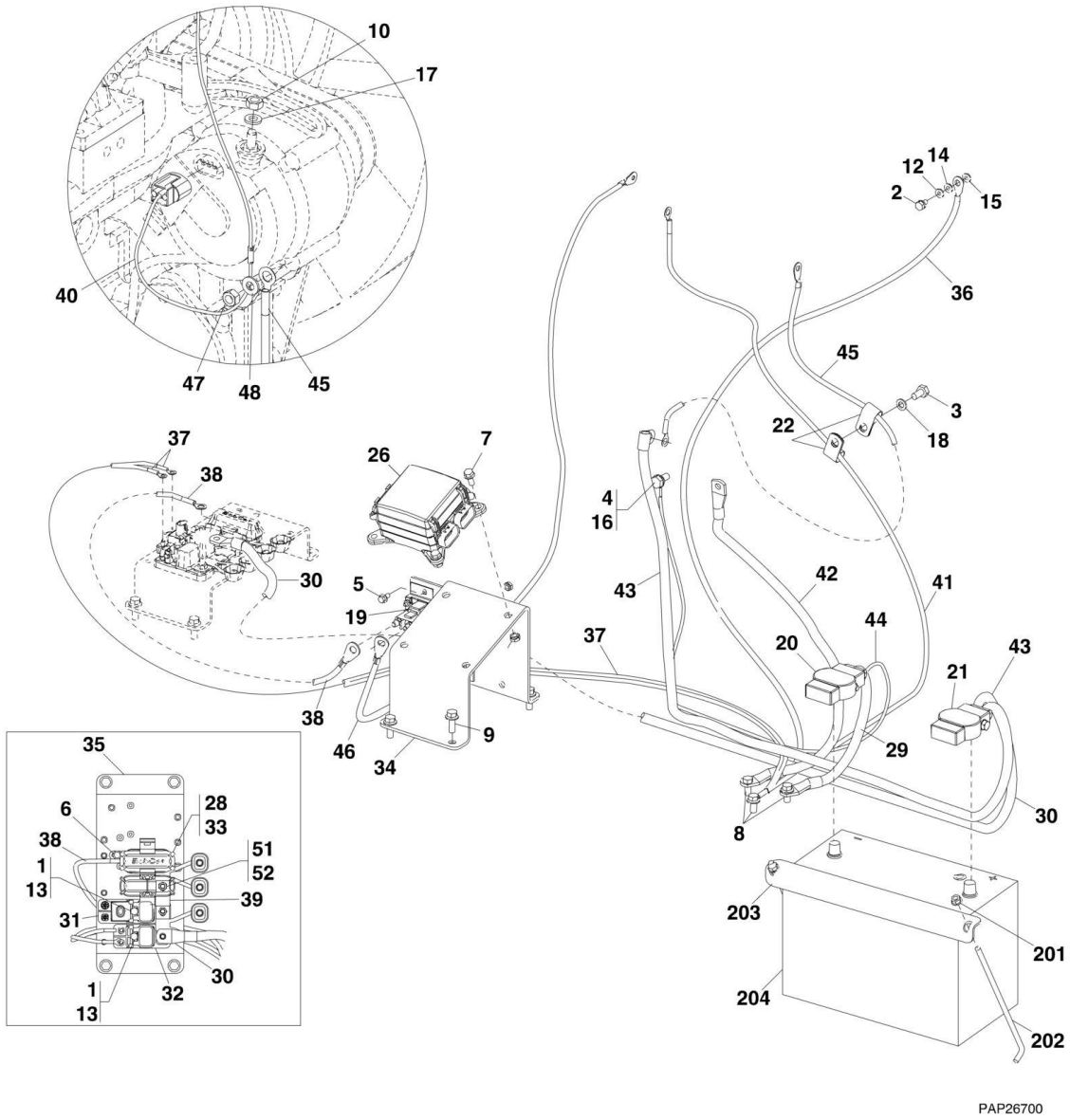
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SECTION 10 - ELECTRICAL

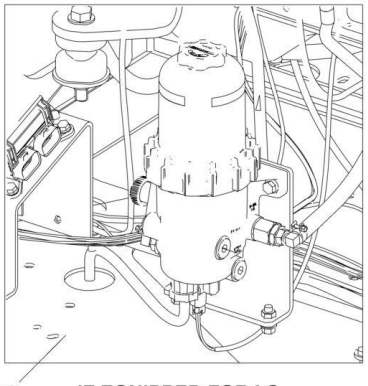
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FIGURE 10-1. ENGINE COMPARTMENT ELECTRICAL INSTALLATION

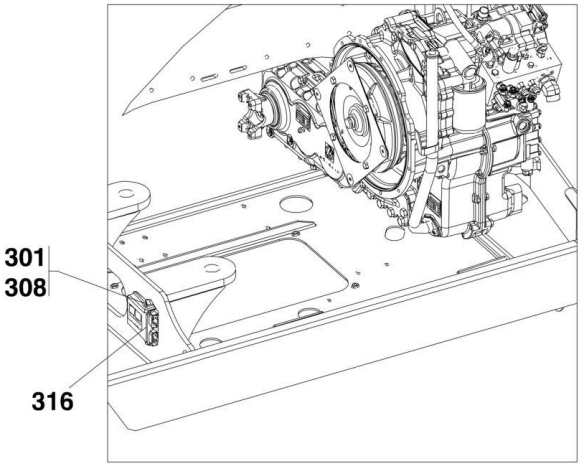


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IF EQUIPPED FOR LS



G9-43A & G10-43A
IF EQUIPPED FOR ULS

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SECTION 10 - ELECTRICAL

FIGURE 10-1. ENGINE COMPARTMENT ELECTRICAL INSTALLATION

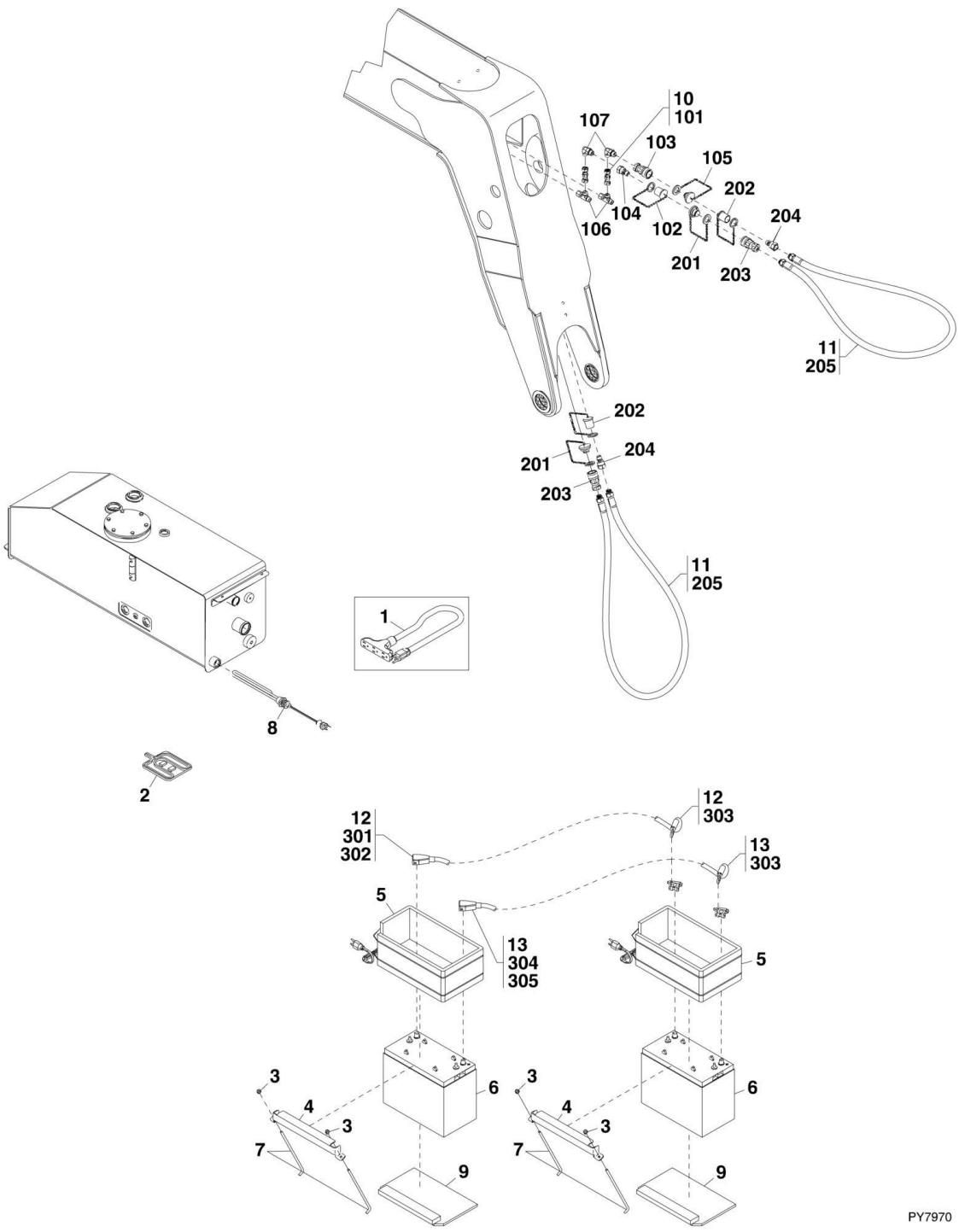
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131821	Ref	ELECTRICAL COMPONENT INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 52 for service)	J
	1001139438	Ref	ELECTRICAL COMPONENT INSTALLATION, (if equipped for LS), (includes items 1 thru 53 for service)	D
1	0641415	2	HEX HD CAPSCREW, 1/4-20X1.875, GR5	
2	0641504	1	HEX HD CAPSCREW, 5/16-18X1/2, GR5	
3	0761010	1	HEX HD CAPSCREW, M10X20, GR8.8	
4	0761012	1	HEX HD CAPSCREW, M10X25, GR8.8	
5	0791404	3	SCREW, 1/4-20X1/2	
6	0791406	2	SCREW, 1/4-20X3/4	
7	0791506	4	SCREW, 5/16-18X3/4	
8	0791606	3	SCREW, 3/8-16X3/4	
9	0811608	8	SCREW, 3/8-16X1	
10	3290601	1	HEX NUT, M6X1, (if equipped for ULS)	
10	3290801	1	HEX NUT, M8X1.25, (if equipped for LS)	
12	4711500	1	WASHER, 5/16	
13	4761400	2	WASHER, 1/4	
14	4761500	1	WASHER, 5/16	
15	4771500	1	STAR WASHER, 5/16	
16	4812000	1	WASHER, 10mm	
17	4831700	1	SPRING LOCKWASHER, 6mm, (if equipped for ULS)	
17	4831900	1	SPRING LOCKWASHER, 8mm, (if equipped for LS)	
18	4832000	1	SPRING LOCKWASHER, 10mm	
19	8225122	1	RELAY	
20	1001148992	1	NEGATIVE BATTERY CLAMP	
21	1001148991	1	POSITIVE BATTERY CLAMP	
22	8406105	2	TUBE CLIP, 0.75	
26	1001108433	1	VEC CONTROL MODULE	
27		Ref	TRANSMISSION HARNESS, (See TRANSMISSION HARNESS for Breakdown)	
28	1001118245	1	FUSE, 250 AMP, (if equipped for ULS)	
28	2400087	1	FUSE, 300 AMP, (if equipped for LS)	
29	1001145301	1	CABLE	
30	1001127488	1	CABLE	
31	1001127694	1	RELAY	
32	1001127699	1	FUSE	
33	1001127700	1	FUSE HOLDER	
34	1001127748	1	VEC BOX MOUNT	
35	1001127756	1	ELECTRONICS MOUNT	
36	1001129277	1	GROUND CABLE	
37		Ref	VEC HARNESS, (See VEC HARNESS for Breakdown)	
38	1001134236	1	FUSE	
39	1001134470	1	BUSSBAR CONNECTOR	
40		Ref	ENGINE HARNESS, (See ENGINE HARNESS for Breakdown)	
41	1001136332	1	ALTERNATOR POWER CABLE	
42	1001127489	1	STARTER GROUND CABLE	
43	1001151408	1	RELAY TO STARTER POSITIVE CABLE	
44	1001143377	1	ENGINE TO BATTERY NEGATIVE CABLE	
45	1001134232	1	ALTERNATOR GROUND CABLE	
46	1001134235	1	HEATER POWER CABLE	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	3290807	1	HEX LOCKNUT, M8X1.25	
48	4811900	1	WASHER, 8mm	
49	90206198	2 in	TRIM-LOK, (not shown)	
50	90206203	9 in	TRIM-LOK, (not shown)	
51	8310453	1	HEX NUT, 5/16-18, GR5	
52	0641506	1	HEX HD CAPSCREW, 5/16-18X0.75, GR5	
53	1001127519	1	WATER IN FUEL HARNESS, (if equipped for LS)	
201	3311508	2	HEX NUT, 5/16-18	
202	91081640	2	BATTERY HOLD DOWN BOLT	
203	91401281	1	BATTERY HOLD DOWN BRACKET	
204	0400075	1	BATTERY, 12V GROUP 31, 6 EYE	
301	0641412	2	HEX HD CAPSCREW, 1/4-20X1 1/2, GR5, (if equipped for ULS)	
308	4761400	2	LOCK WASHER, 1/4, (if equipped for ULS)	
316	1001128743	1	PUMP DISPLACEMENT CONTROLLER, (if equipped for ULS)	

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FIGURE 10-2. ARCTIC PACKAGE INSTALLATION



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FIGURE 10-2. ARCTIC PACKAGE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001135694	Ref	ARCTIC PACKAGE INSTALLATION, (G6-42A), (if equipped for ULS), (not available to order, see items 1 thru 13 for service)	B
	1001144953	Ref	ARCTIC PACKAGE INSTALLATION, (G6-42A), (if equipped for LS), (not available to order, see items 1 thru 11 for service)	A
	1001133450	Ref	ARCTIC PACKAGE INSTALLATION, (G9-43A & G10-43A), (if equipped for ULS), (not available to order, see items 1 thru 13 for service)	B
	1001144952	Ref	ARCTIC PACKAGE INSTALLATION, (G9-43A & G10-43A), (if equipped for LS), (not available to order, see items 1 thru 11 for service)	A
1	1060626	2	3-WAY EXTENSION CORD	
2	2580040	1	OIL PAN HEATER	
3	3311508	4	HEX NUT, 5/16-18, (if equipped for ULS)	
3	3311508	2	HEX NUT, 5/16-18, (if equipped for LS)	
4	1001141596	2	BATTERY HOLD DOWN PLATE, (if equipped for ULS)	
4	1001141596	1	BATTERY HOLD DOWN PLATE, (if equipped for LS)	
5	1001093564	2	BATTERY HEATER, (if equipped for ULS)	
5	1001093564	1	BATTERY HEATER, (if equipped for LS)	
6	1001098762	2	BATTERY, 12V, (if equipped for ULS)	
6	1001098762	1	BATTERY, 12V, (if equipped for LS)	
7	91081640	4	BATTERY HOLD DOWN BOLT, (if equipped for ULS)	
7	91081640	2	BATTERY HOLD DOWN BOLT, (if equipped for LS)	
8	1001105886	1	HYDRAULIC IMMERSION HEATER	
9	1001115878	2	BATTERY BASE INSULATION, (if equipped for ULS)	
9	1001115878	1	BATTERY BASE INSULATION, (if equipped for LS)	
10	1001121458	Ref	TILT RECIRCULATION INSTALLATION, (G6-42A), (not available to order, see items 101 thru 107 for service)	A
10	1001121459	Ref	TILT RECIRCULATION INSTALLATION, (G9-43A & G10-43A), (not available to order, see items 101 thru 107 for service)	A
11	1001121460	2	ARCTIC RECIRCULATION HOSE, (includes items 201 thru 205)	A
12	1001135349	1	START AID NEGATIVE CABLE, (includes items 301 thru 303)	A
13	1001136344	1	START AID POSITIVE CABLE, (includes items 303 thru 305)	A
101	2172406	2	ADAPTER, CONNECTOR, (includes o-ring), (G6-42A)	
101	2172408	2	ADAPTER, CONNECTOR, (includes o-ring), (G9-43A & G10-43A)	
102	91043126	1	DUST CAP	
103	91403413	1	ADAPTER, QUICK DISCONNECT COUPLER, (female)	
104	91403414	1	ADAPTER, QUICK DISCONNECT COUPLER, (male)	
105	91043125	1	DUST PLUG	
106	2170706	2	ADAPTER, RUN TEE, (includes o-ring), (G6-42A)	
106	2170708	2	ADAPTER, RUN TEE, (includes o-ring), (G9-43A & G10-43A)	
107	2130608	2	ADAPTER, 90, (includes o-ring), (G6-42A)	
107	2130808	2	ADAPTER, 90, (includes o-ring), (G9-43A & G10-43A)	
201	91043125	1	DUST PLUG	
202	91043126	1	DUST CAP	
203	91403413	1	ADAPTER, QUICK DISCONNECT COUPLER, (female)	
204	91403414	1	ADAPTER, QUICK DISCONNECT COUPLER, (male)	
205	1001121454	1	HOSE ASSY	
301	4461266	1	BATTERY TERMINAL, (includes item 302 and bolt)	
302	4461234	1	BOOT	
303	4461270	1	TERMINAL RING	
304	4461265	1	BATTERY TERMINAL, (includes item 305 and bolt)	

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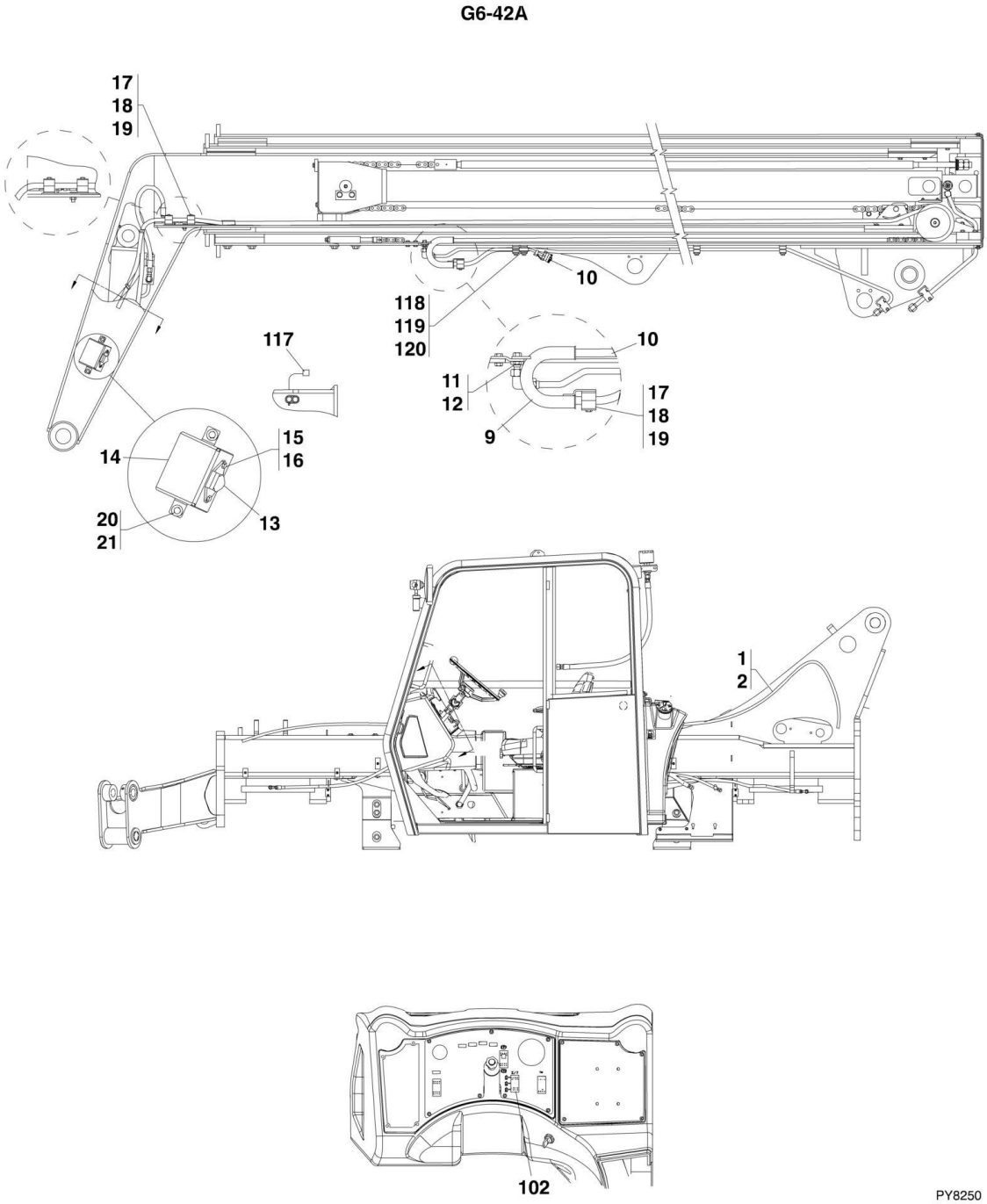
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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
305	4461233	1	BOOT	

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FIGURE 10-3. BOOM AND FRAME ELECTRICAL INSTALLATION G6-42A



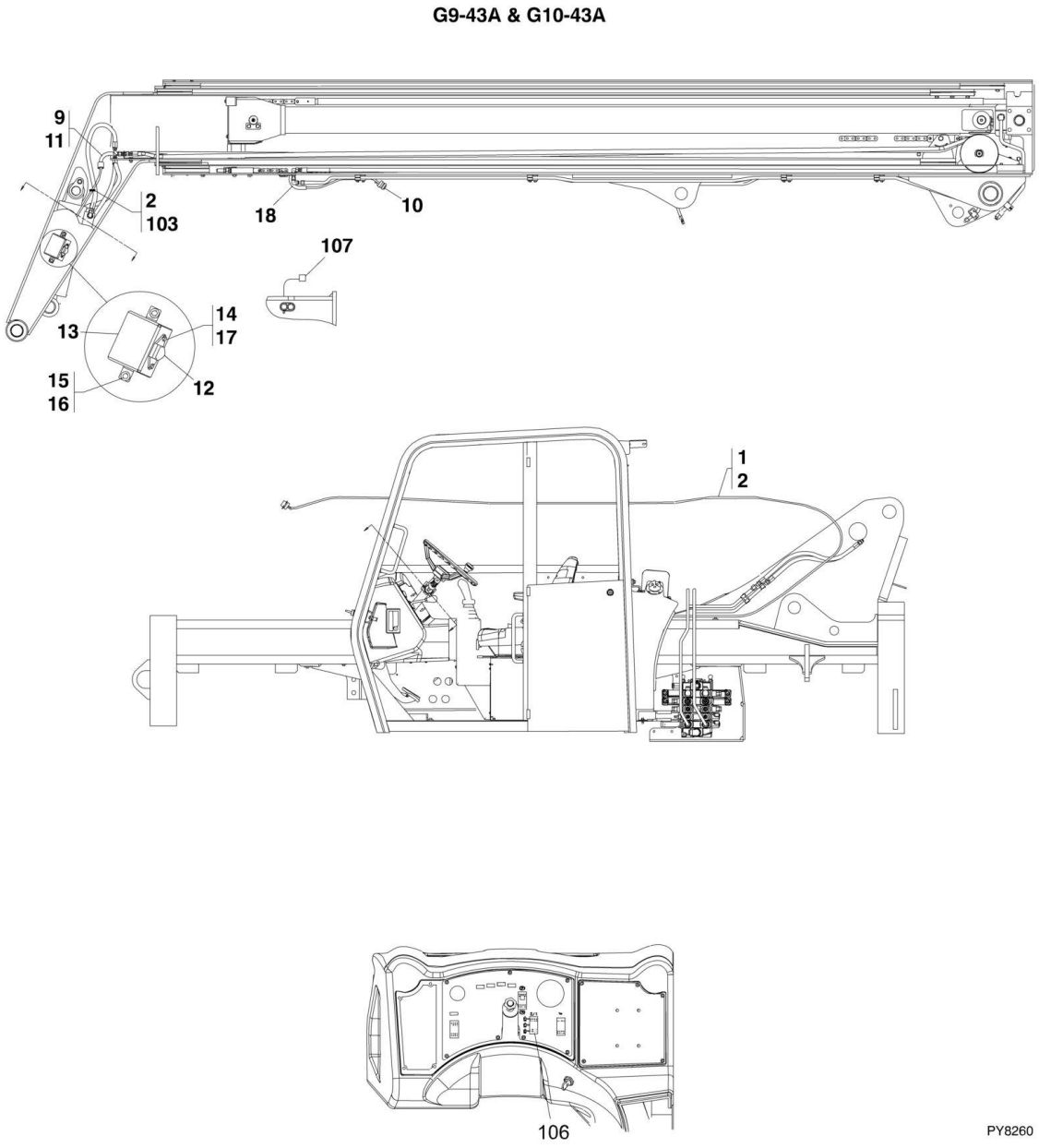
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FIGURE 10-3. BOOM AND FRAME ELECTRICAL INSTALLATION G6-42A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001101743	Ref	BOOM AUXILIARY ELECTRICAL INSTALLATION, (G6-42A), (if equipped with Manual Quick Switch), (not available to order, see items 1 thru 21 for service)	B
	1001001068	Ref	BOOM AUXILIARY ELECTRICAL INSTALLATION, (G6-42A), (if equipped with Hydraulic Quick Switch), (not available to order, see items 1, 9 thru 11, 17 thru 20 & 102 thru 120 for service)	F
1	1001128320	1	AUX FRAME HARNESS, (includes items 201 & 202)	
2	8584003	9	NYLON TIE	
9	91403520	1	TUBE	
10	91403522	Ref	AUXILIARY ELECTRICAL HARNESS, (includes items 301 thru 303)	
11	0641607	1	HEX HD CAPSCREW, 3/8-16X7/8, GR5	
12	4751600	1	WASHER, 3/8	
13	90207661	1	6 CONTACT SWITCH	
14	1001099812	1	CONNECTOR COVER	
15	4711400	2	FLAT WASHER, 1/4	
16	0641408	2	HEX HD CAPSCREW, 1/4-20X1, GR5	
17	77133497	3	CLAMP	
18	77133498	3	COVER PLATE	
19	77133209	6	HEX HD CAPSCREW, 1/4-20X1 3/8	
20	4711600	2	FLAT WASHER, 3/8	
21	0641808	2	HEX HD CAPSCREW, 3/8-16X1, GR5	
102		Ref	HYDRAULIC QUICK SWITCH SWITCH, (See CAB SWITCHES for Breakdown)	
117	1001090006	Ref	QUICK SWITCH HARNESS, (includes item 401)	
118	77133139	1	CLAMP	
119	77133140	1	COVER PLATE	
120	77133177	1	HEX HD CAPSCREW, 0.313-18X1 3/8	
201	77363232	1	CONNECTOR	
201	4460464	5	TERMINAL	
201	4460466	1	PLUG	
202	77363233	1	CONNECTOR	
202	4460465	5	TERMINAL	
202	4460466	1	PLUG	
301	77363233	1	CONNECTOR	
302	91143107	1	STRAIN RELIEF	
303	77363229	5	SOCKET CONTACT	
401	4460891	1	CONNECTOR	
401	80604018	1	SECONDARY LOCK WEDGE	
508	91143357	1	HORN, (not shown)	

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FIGURE 10-4. BOOM AND FRAME ELECTRICAL INSTALLATION G9-43A & G10-43A



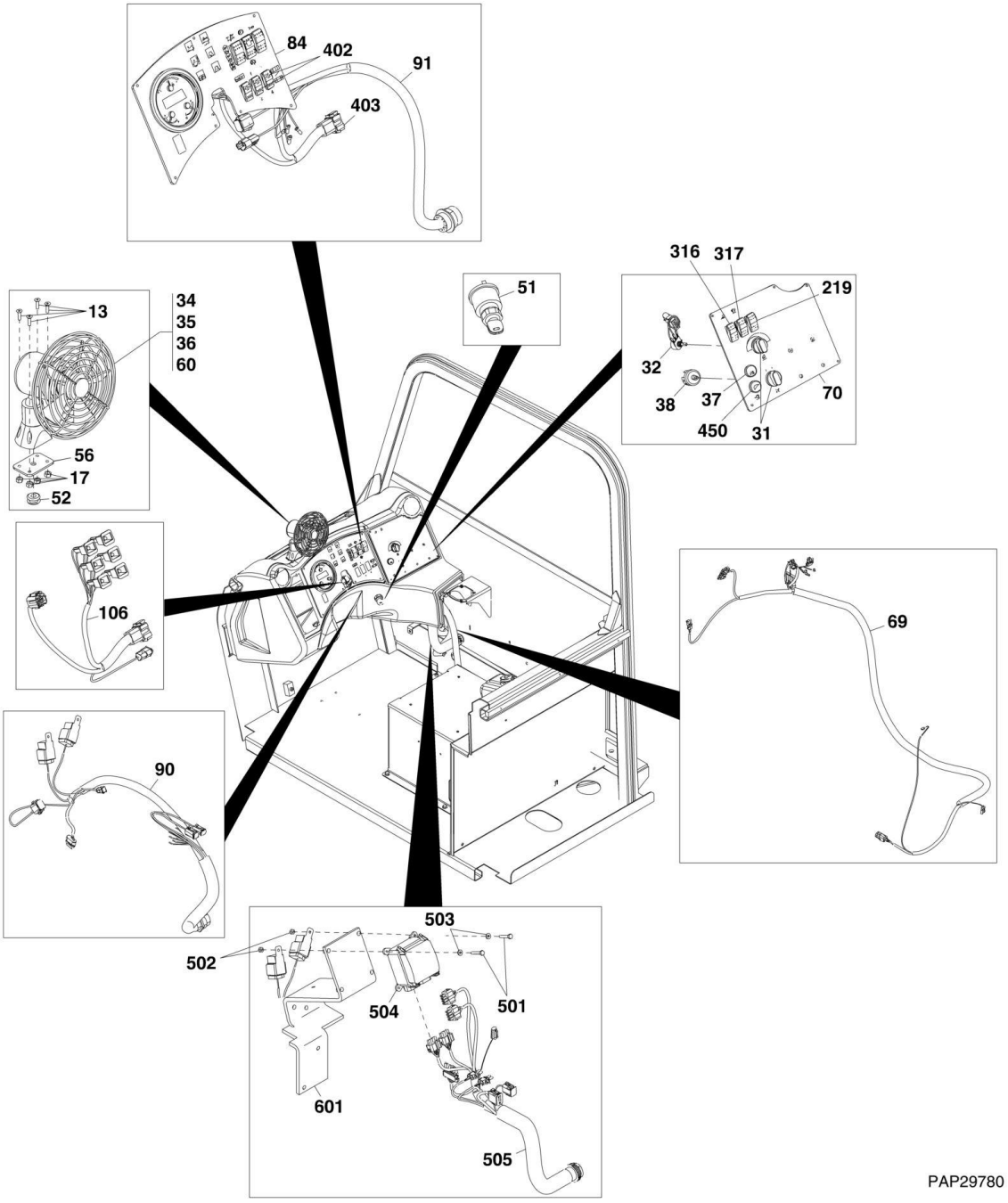
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FIGURE 10-4. BOOM AND FRAME ELECTRICAL INSTALLATION G9-43A & G10-43A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001101742	Ref	AUXILIARY BOOM ELECTRICAL INSTALLATION, (G9-43A & G10-43A), (if equipped with Manual Quick Switch), (not available to order, see items 1 thru 18 for service)	B
	1001128461	Ref	AUXILIARY BOOM ELECTRICAL INSTALLATION, (G9-43A & G10-43A), (if equipped with Hydraulic Quick Switch), (not available to order, see items 1, 9 thru 11, 18 & 103 thru 107 for service)	A
1	1001128320	1	AUXILIARY FRAME HARNESS, (includes items 201 & 202)	
2	8584003	9	NYLON TIE	
9	91513115	1	TUBE ASSY	
10	91513123	1	AUX ELECTRICAL HARNESS, (includes items 301 thru 303)	
11	2230025	1	CONNECTOR	
12	90207661	1	6 CONTACT SOCKET	
13	1001099812	1	CONNECTOR COVER	
14	0641408	2	HEX HD CAPSCREW, 1/4-20X1, GR5	
15	0641608	2	HEX HD CAPSCREW, 3/8-16X1, GR5	
16	4711600	2	FLAT WASHER, 3/8	
17	4711400	2	FLAT WASHER, 1/4	
18	4569258	1	TUBE ASSY	
103	90027187	7	TIE STRAP	
106		Ref	HYDRAULIC QUICK SWITCH SWITCH, (See CAB SWITCHES for Breakdown)	
107	1001090006	1	HYDRAULIC QUICK SWITCH HARNESS, (includes item 401)	
201	77363232	1	CONNECTOR	
201	4460464	5	TERMINAL	
201	4460466	1	PLUG	
202	77363233	1	CONNECTOR	
202	4460465	5	TERMINAL	
202	4460466	1	PLUG	
301	77363233	1	CONNECTOR	
302	91143107	1	STRAIN RELIEF	
303	77363229	5	SOCKET CONTACT	
401	4460891	1	CONNECTOR	
401	80604018	1	SECONDARY LOCK WEDGE	
508	91143357	1	HORN, (not shown)	

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FIGURE 10-5. CAB ELECTRICAL INSTALLATION



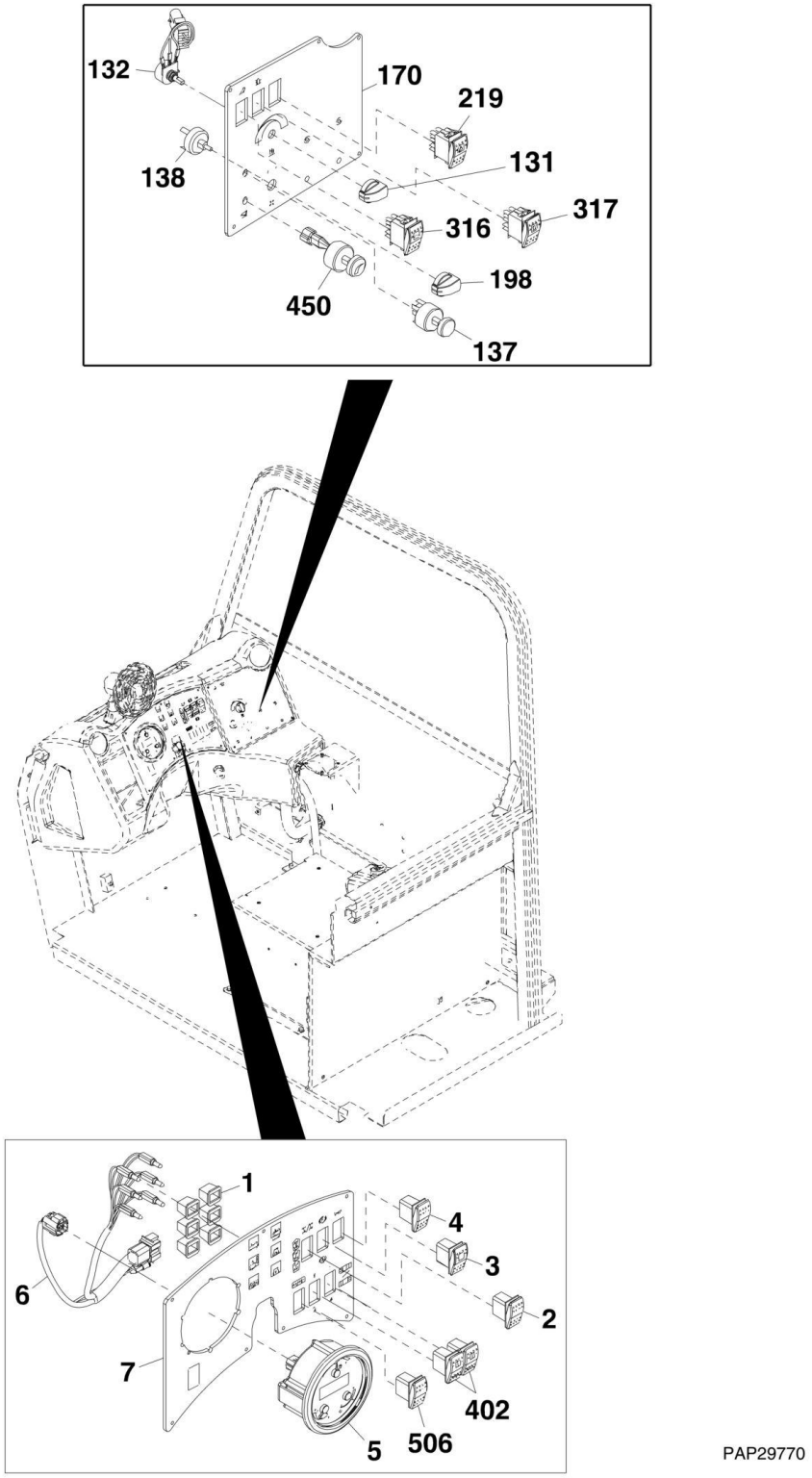
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FIGURE 10-5. CAB ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
13	88211030	4	SOCKET HD CAPSCREW, 10-24X3/4, (enclosed cab)	
17	77143017	4	WHIZ LOCKNUT, 10-24, (enclosed cab)	
31		Ref	KNOB, (See CAB SWITCHES for Breakdown)	
32		Ref	POTENTIOMETER ASSY, (See CAB SWITCHES for Breakdown)	
34	80963058	1	WEATHERPACK SHROUD, (enclosed cab)	
35	80963065	2	WEATHERPACK SEAL, (enclosed cab)	
36	80963069	2	MALE WEATHERPACK PIN, (enclosed cab)	
37		Ref	WIPER SWITCH, (See CAB SWITCHES for Breakdown)	
38		Ref	BLOWER SWITCH, (See CAB SWITCHES for Breakdown)	
51	91033317	1	IGNITION SWITCH, (includes key)	
52	91033425	1	GROMMET, (enclosed cab)	
56	91401443	1	PLATE, (enclosed cab)	
60	91403608	1	FAN, (enclosed cab)	
69		Ref	ENCLOSED CAB OPTIONS HARNESS, (if equipped), (See ENCLOSED CAB OPTIONS HARNESS for Breakdown)	
70		Ref	RH DASH PANEL, (See CAB SECTION for Breakdown)	
84		Ref	INSTRUMENT PANEL, (See CAB SWITCHES for Breakdown)	
90		Ref	TRANSMISSION RELAY HARNESS, (See TRANSMISSION RELAY HARNESS for Breakdown)	
91		Ref	DASH HARNESS, (See DASH HARNESS for Breakdown)	
106		Ref	INSTRUMENT PANEL HARNESS, (See INSTRUMENT PANEL HARNESS for Breakdown)	
219		Ref	HAZARD SWITCH, (See CAB SWITCHES for Breakdown)	
316		Ref	WORK LIGHT SWITCH, (See CAB SWITCHES for Breakdown)	
317		Ref	BEACON LIGHT SWITCH, (See CAB SWITCHES for Breakdown)	
402		Ref	AUX ELECTRIC SWITCHES, (See CAB SWITCHES for Breakdown)	
403	91563192	1	CAB AUXILIARY ELECTRICAL HARNESS	A
403	4460970	1	CONNECTOR	
403	80363179	1	WEDGELOCK	
403	4460464	9	TERMINAL	
403	4460466	3	PLUG	
403	4460419	14	TERMINAL	
450		Ref	TILT RHEOSTAT, (See CAB SWITCHES for Breakdown)	
	1001115891	Ref	ELECTRICAL OPTIONS ASSY, (not available to order, see items 501 thru 506 for service)	B
501	0641412	4	HEX HD CAPSCREW, 1/4-20X1-1/2, GR5, (torque to 96 lb-ft/130 Nm)	
502	3311401	4	HEX NUT, 1/4-20	
503	4751200	4	WASHER, 1/2	
504	1001126285	1	VEC OPTIONS BOX	
505		Ref	VEC OPTIONS HARNESS, (See VEC HARNESS for Breakdown)	
506	4240033	2	TIE WRAP, (not shown)	
601		Ref	BRACKET, (See CONTROLS SECTION for Breakdown)	

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FIGURE 10-6. CAB SWITCHES



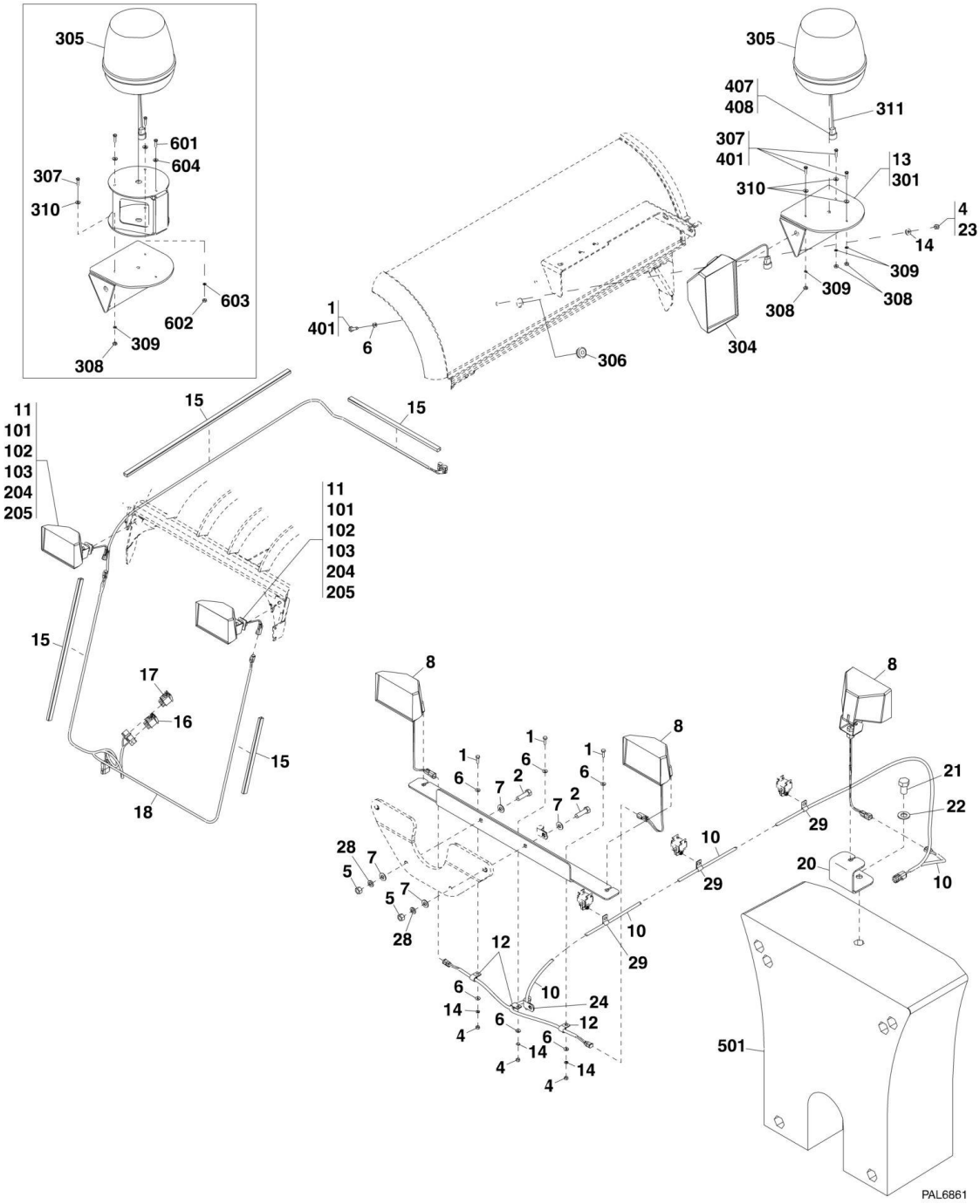
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FIGURE 10-6. CAB SWITCHES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001101666	1	INSTRUMENT PANEL, (includes items 1 thru 7)	N
1	N.S.S.	6	BULB HOUSING	
2	91473127	1	STEER SELECT SWITCH	
3	91474465	1	PARK BRAKE SWITCH	
4	7026440	1	HORN SWITCH	
5	1001099163	1	3-IN-1 GAUGE	
6		Ref	INSTRUMENT PANEL HARNESS, (See INSTRUMENT PANEL HARNESS for Breakdown)	
7	1001099378	1	DASH PANEL	
131	1001151847	2	KNOB, (if equipped)	
132	1001151643	1	POTENTIOMETER ASSY, (if equipped)	
137	80963101	1	WIPER SWITCH, (enclosed cab)	
138	80964001	1	BLOWER SWITCH, (if equipped)	
170		Ref	RH DASH PANEL, (See CAB SECTION for Breakdown)	
198	1001152326	1	KNOB HANDLE	
219	1001090459	1	HAZARD SWITCH, (if equipped)	
316	1001090460	1	WORK LIGHT SWITCH, (if equipped)	
317	1001090461	1	BEACON LIGHT SWITCH, (if equipped)	
402	91473127	2	AUXILIARY ELECTRICAL SWITCH, (if equipped)	
450	1001106688	1	TILT RHEOSTAT SWITCH	
506	1001001242	1	HYDRAULIC QUICK SWITCH, (if equipped)	

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FIGURE 10-7. WORK LIGHTS INSTALLATION



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FIGURE 10-7. WORK LIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001110091	Ref	WORK LIGHT WITH BEACON INSTALLATION, (if equipped), (not available to order, see items 1 thru 29 for service)	B, B
	1001114492	Ref	BEACON LIGHT INSTALLATION, (if equipped), (not available to order, see items 1, 4, 6, 14, 15, 17, 18, 23, 301, 306 thru 310, 407 & 408 for service)	3, A
1	0641407	5	HEX HD CAPSCREW, 1/4-20X7/8, GR5, (torque to 96 lb-ft/130 Nm), (WORK LIGHT WITH BEACON INSTALLATION)	
1	0641407	2	HEX HD CAPSCREW, 1/4-20X7/8, GR5, (torque to 96 lb-ft/130 Nm), (BEACON LIGHT INSTALLATION)	
2	0641814	2	HEX HD CAPSCREW, 1/2-13X2-3/4, GR5, (torque to 75 lb-ft/102 Nm)	
3	0903661	1	BRACKET	
4	3311401	5	HEX NUT, 1/4-20, GR2, (WORK LIGHT WITH BEACON INSTALLATION)	
4	3311401	2	HEX NUT, 1/4-20, GR2, (BEACON LIGHT INSTALLATION)	
5	3311801	2	HEX NUT, 1/2-13, GR2	
6	4711400	8	WASHER, 1/4, (WORK LIGHT WITH BEACON INSTALLATION)	
6	4711400	2	WASHER, 1/4, (BEACON LIGHT INSTALLATION)	
7	4711800	8	WASHER, 1/2	
8	1001095342	3	LIGHT ASSY, (includes items 101 thru 103)	B
10		Ref	BOOM WORK LIGHTS HARNESS, (See BOOM WORK LIGHTS HARNESS for Breakdown)	
11	1001090580	2	LIGHT ASSY, (includes items 101 thru 103, 204 & 205)	B
12	1320263	3	3/8IN CLAMP	
13	1001090581	Ref	BEACON/WORK LIGHT INSTALLATION, (not available to order, see items 301 thru 311 for service)	D
14	4761400	5	LOCKWASHER, 1/4, (WORK LIGHT WITH BEACON INSTALLATION)	
14	4761400	2	LOCKWASHER, 1/4, (BEACON LIGHT INSTALLATION)	
15	8096D097	7.3 ft	CONDUIT, (WORK LIGHT WITH BEACON INSTALLATION)	
15	8096D097	6 ft	CONDUIT, (BEACON LIGHT INSTALLATION)	
16		Ref	HAZARD SWITCH, (See CAB SWITCHES for Breakdown)	
17		Ref	BEACON SWITCH, (See CAB SWITCHES for Breakdown)	
18		Ref	CAB WORK LIGHT HARNESS, (See CAB WORK LIGHT HARNESS for Breakdown)	
20	1001090522	1	BRACKET	
21	0642210	1	HEX HD CAPSCREW, 3/4-10X1-1/4, GR5	
22	4712200	1	WASHER, 3/4	
23	14404173	AR	SILICONE SEALANT	
24	8406105	1	3/4 IN CLAMP	
28	4761800	2	LOCKWASHER, 1/2	
29	1320263	3	3/8 IN CLAMP	
101	4460897	1	CONNECTOR	
101	80604017	1	WEDGE LOCK	
102	4460464	2	TERMINAL	
103	80963050	1	LIGHT, (includes hardware)	
103	80964070	1	BULB	
204	91403503	1	SPACER	
205	91413052	1	BOLT	
301	0903669	1	BRACKET	
302	4460897	2	CONNECTOR	
302	80604017	2	WEDGE LOCK	

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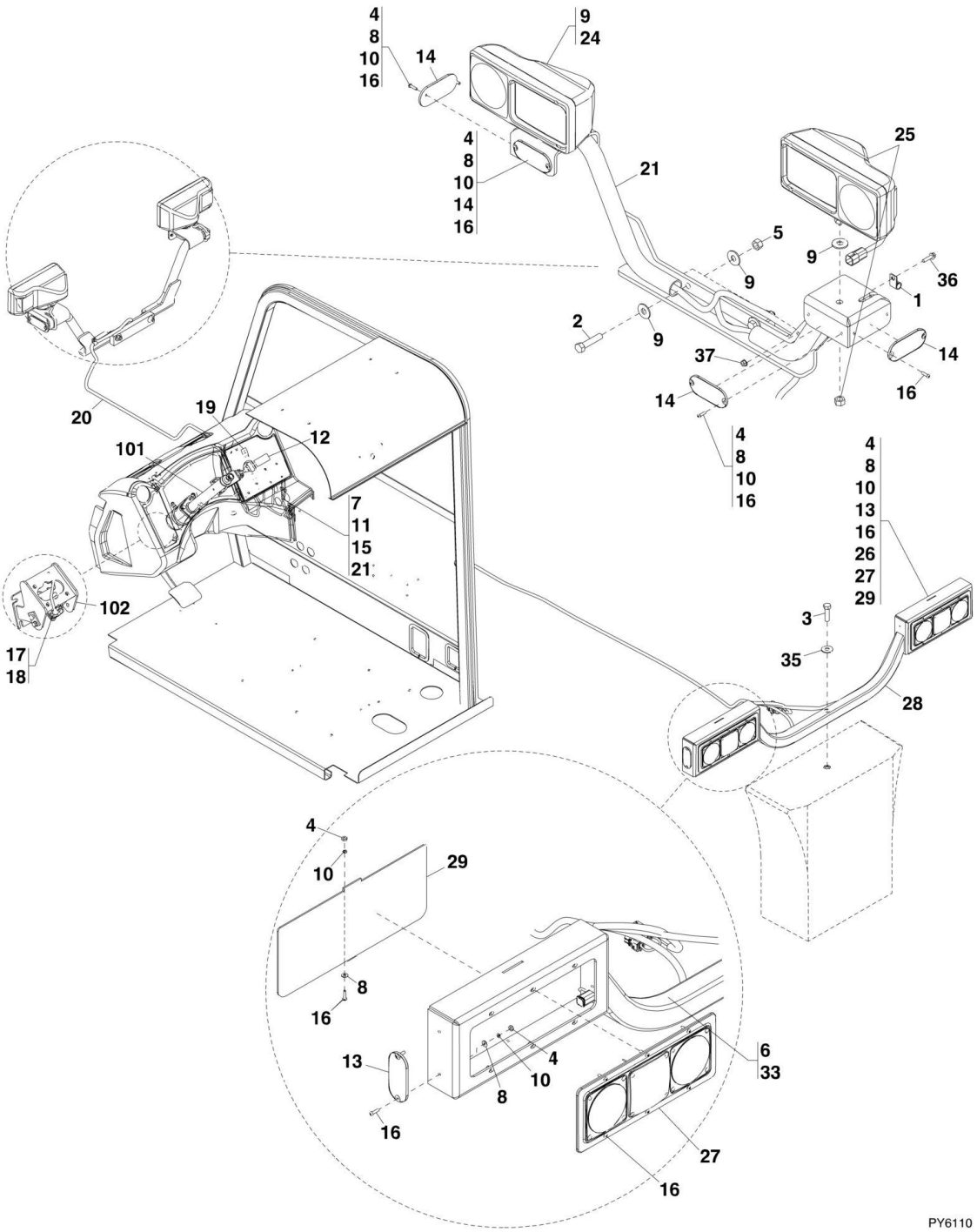
SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
303	4460464	2	TERMINAL	
304	1001099276	1	LIGHT ASSY, (includes item 351 and hardware)	
304	80964070	1	BULB	
305	91343031	1	BEACON LIGHT	
305	91344053	1	BULB	
306	1001090615	1	GROMMET	
307	0721006	3	SCREW, #10-24X3/4	
308	3311001	3	HEX NUT, 10-24, GR2	
309	4751000	3	WASHER, #10	
310	4761000	3	LOCKWASHER, #10	
311	2820035	2.3 ft	INSULATION	
401	0100011	AR	LOCTITE 242	
407	4460508	2	TERMINAL, (BEACON LIGHT INSTALLATION)	
408	4461017	1	CONNECTOR, (BEACON LIGHT INSTALLATION)	
408	N.S.S.	1	WEDGE LOCK, (BEACON LIGHT INSTALLATION)	
501		Ref	COUNTERWEIGHT, (See FRAME AND ATTACHING PARTS SECTION for Breakdown)	
	1001096708	Ref	BEACON LIGHT MOUNTING INSTALLATION, (if equipped with A/C), (not available to order, see items 601 thru 605 for service)	A
601	0721006	3	SCREW, #10-24X3/4	
602	3311001	3	HEX NUT, 10-24, GR2	
603	4751000	3	WASHER, #10	
604	4761000	3	LOCKWASHER, #10	
605	1001096709	1	BRACKET	

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FIGURE 10-8. ROAD LIGHTS INSTALLATION



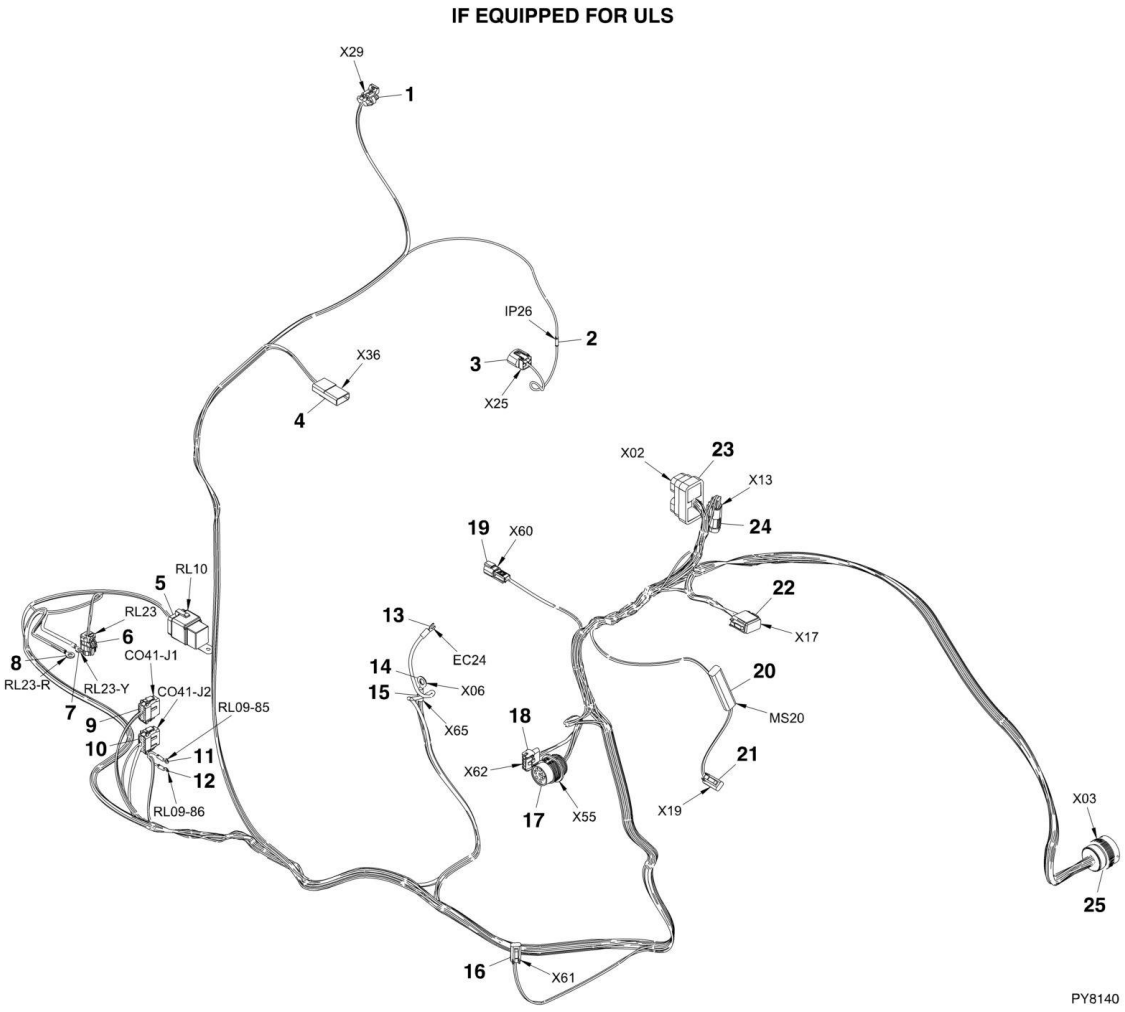
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FIGURE 10-8. ROAD LIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001113091	Ref	ROAD LIGHTS INSTALLATION, (if equipped), (not available to order, see items 1 thru 37 for service)	A, 4
1	85941016	1	1/2IN CLAMP	
2	0641818	2	HEX HD CAPSCREW, 1/2-13X2-1/4, GR5	
3	0642222	1	HEX HD CAPSCREW, 3/4-10X2-3/4, GR5	
4	3311001	26	HEX NUT, #10-24, GR2	
5	3311805	2	HEX LOCKNUT, 1/2-13, GR2	
6	3941506	2	SELF-TAPPING MACHINE SCREW, 5/16X3/4	
7	4461254	1	CONNECTOR	
8	4711000	28	WASHER, #10	
9	4751800	6	WASHER, 1/2	
10	4761000	26	LOCKWASHER, #10	
11	8220050	1	CONNECTOR	
12	8223073	1	TURN SIGNAL SELECTOR	
13	10718991	2	RED REFLECTOR	
14	10718992	4	YELLOW REFLECTOR	
15	8093168	1	VARIABLE LOAD FLASHER, (mounted under right dash panel)	
16	88261010	26	BUTTON HD CAPSCREW, #10-24X3/4	
17	91143117	1	STOPLIGHT SWITCH	
18	91511127	1	STOPLIGHT SWITCH MOUNTING TAB	
19	1001090459	1	HAZARD SWITCH	
20		Ref	FRAME ROAD LIGHTS HARNESS, (See FRAME ROAD LIGHTS HARNESS for Breakdown)	
21		Ref	CAB ROAD LIGHTS HARNESS, (See CAB ROAD LIGHTS HARNESS for Breakdown)	
23	1001094264	1	FRONT ROAD LIGHTS BRACKET	
24	1001094390	1	RH FORWARD ROAD LIGHT ASSY, (torque to 50 lb-ft/68 Nm)	
25	1001094391	1	LH FORWARD ROAD LIGHT ASSY, (torque to 50 lb-ft/68 Nm)	
26	1001094392	1	RH TAIL LIGHT ASSY	
27	1001094393	1	LH TAIL LIGHT ASSY	
28	1001094523	1	TAIL LIGHT BRACKET	
29	1001094824	2	TAIL LIGHT COVER	
33	1320263	2	3/8IN CLAMP	
35	4752200	1	WASHER, 3/4	
36	0791408	1	SERRATED FLANGE HEX HD CAPSCREW, 1/4-20X1	
37	3311408	1	FLANGE NUT, 1/4-20, GRADE F	
101		Ref	STEERING COLUMN, (See CONTROLS SECTION for Breakdown)	
102		Ref	BRAKE PEDAL INSTALLATION, (See CONTROLS SECTION for Breakdown)	

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FIGURE 10-9. ENGINE HARNESS IF EQUIPPED FOR ULS



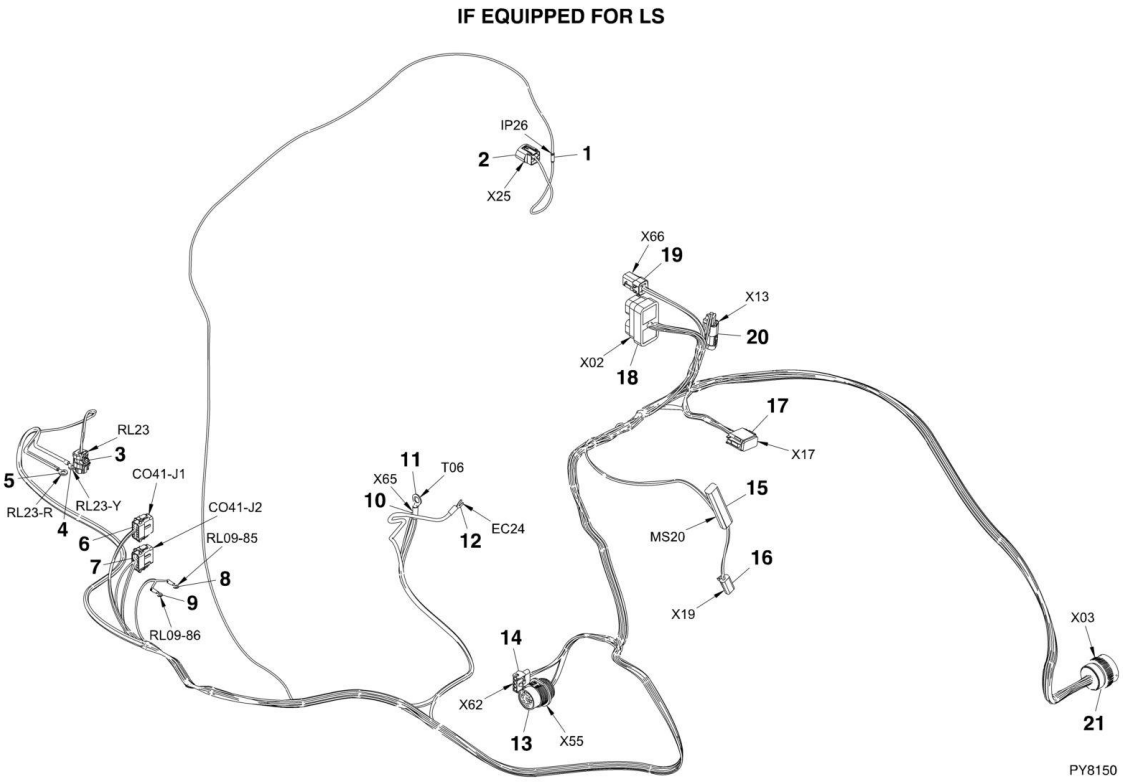
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FIGURE 10-9. ENGINE HARNESS IF EQUIPPED FOR ULS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001136140	1	ENGINE HARNESS, (if equipped for ULS), (includes all items)	H
1	1001125027	1	CONNECTOR	
1	8220124	3	TERMINAL	
2	91363021	1	MOLDED DIODE	
3	1001125748	1	CONNECTOR	
3	1001125773	1	TERMINAL	
4	1001134192	1	CONNECTOR	
5	1001145707	1	CONNECTOR	
5	1001116733	4	TERMINAL	
5	8220101	1	PLUG	
6	1001116950	1	CONNECTOR	
6	1001118390	2	TERMINAL	
7	4460312	1	RING TERMINAL	
8	1001117106	1	RING TERMINAL	
9	1001116808	1	PLUG	
9	4460928	3	TERMINAL	
10	1001116774	1	PLUG	
10	4460928	4	TERMINAL	
11	4460247	1	RING TERMINAL	
12	4460247	1	RING TERMINAL	
13	1001117111	1	FORK TERMINAL	
14	8220164	1	RING TERMINAL	
15	4460256	1	RING TERMINAL	
16	4460891	1	PLUG	
16	4460465	2	SOCKET TERMINAL	
17	1001112612	1	CONNECTOR	
17	1001106736	1	DUST CAP AND LANYARD	
17	4460464	2	TERMINAL	
17	4460943	2	TERMINAL	
18	4460761	1	CONNECTOR	
18	4460321	1	PLUG	
18	1001143551	2	SEAL	
18	4460809	4	SEAL PLUG	
18	4460267	4	TERMINAL	
19	4460897	1	CONNECTOR	
19	4460464	2	TERMINAL	
20	91363021	1	MOLDED DIODE	
21	4460891	1	PLUG	
21	4460465	2	SOCKET TERMINAL	
22	4460933	1	PLUG	
22	4460465	10	SOCKET TERMINAL	
23	1001126208	1	PLUG	
23	1001126009	25	TERMINAL	
24	1001144147	1	CONNECTOR	
24	4460943	2	TERMINAL	
25	1001116938	1	PLUG	
25	4460465	30	SOCKET TERMINAL	

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FIGURE 10-10. ENGINE HARNESS IF EQUIPPED FOR LS



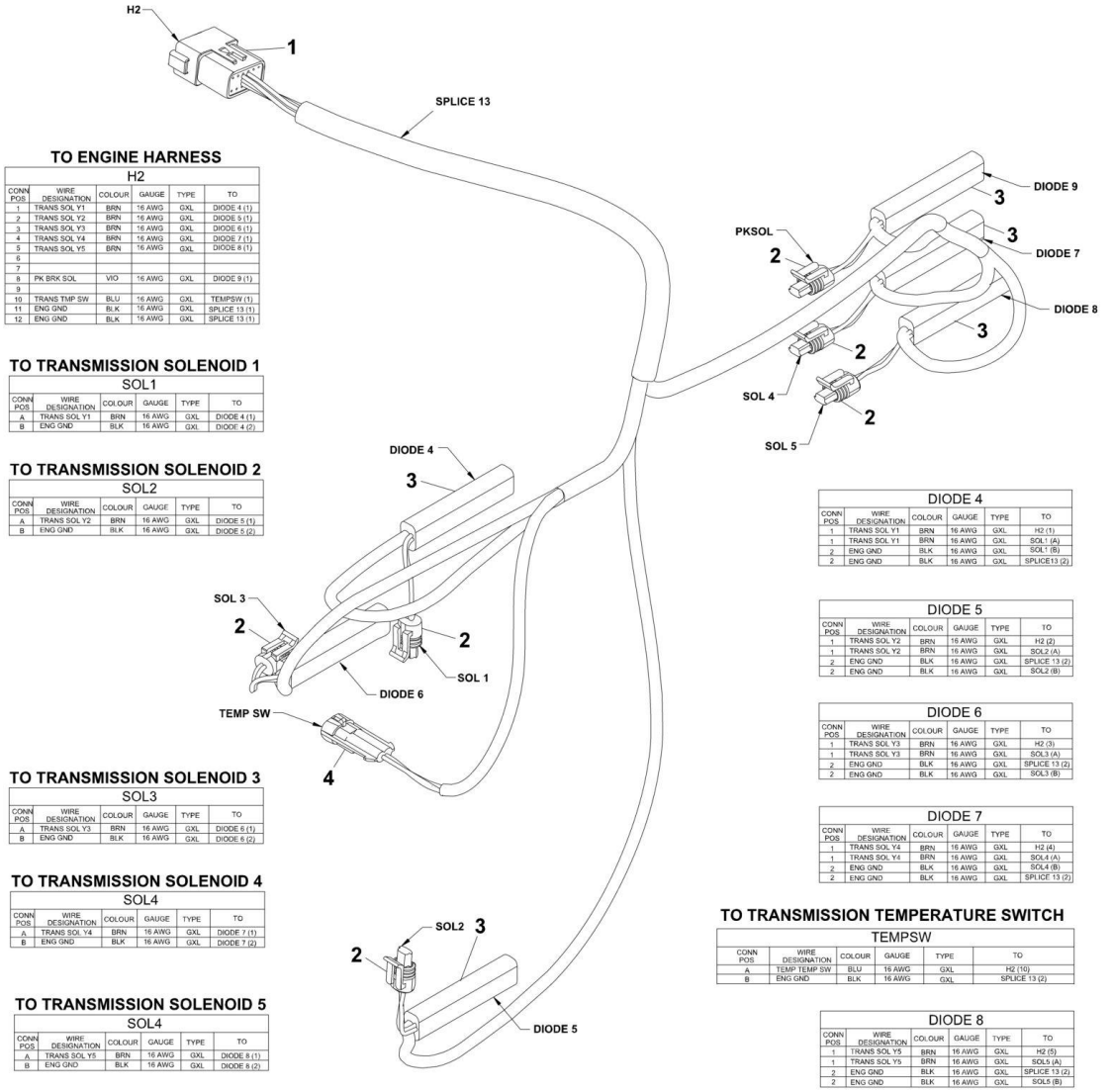
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FIGURE 10-10. ENGINE HARNESS IF EQUIPPED FOR LS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001139248	1	ENGINE HARNESS, (if equipped for LS), (includes all items)	G
1	91363021	1	MOLDED DIODE	
2	1001125748	1	CONNECTOR	
2	1001125773	3	TERMINAL	
3	1001116950	1	CONNECTOR	
3	4460942	2	TERMINAL	
4	4460312	1	RING TERMINAL	
5	4460312	1	RING TERMINAL	
5	4460312	2	RING TERMINAL	
6	1001116808	1	PLUG	
6	4460928	3	TERMINAL	
7	1001116774	1	PLUG	
7	4460918	2	TERMINAL	
7	4460928	2	TERMINAL	
8	4460247	1	RING TERMINAL	
9	4460247	1	RING TERMINAL	
10	4460256	1	RING TERMINAL	
11	4460019	1	RING TERMINAL	
11	4460019	2	RING TERMINAL	
12	1001152595	1	FORK TERMINAL	
13	1001112612	1	CONNECTOR	
13	1001106736	1	DUST CAP AND LANYARD	
13	4460464	2	TERMINAL	
13	4460943	2	TERMINAL	
14	4460761	1	CONNECTOR	
14	4460321	1	PLUG	
14	1001143551	1	SEAL	
14	4460809	1	SEAL PLUG	
14	4460267	4	TERMINAL	
15	91363021	1	MOLDED DIODE	
16	4460891	1	PLUG	
16	4460465	2	SOCKET TERMINAL	
17	4460933	1	PLUG	
17	4460465	10	SOCKET TERMINAL	
18	1001116831	1	PLUG	
18	1001119619	14	TERMINAL	
19	1001116810	1	PLUG	
19	4460509	4	TERMINAL	
20	1001144147	1	CONNECTOR	
20	4460943	2	TERMINAL	
21	1001116938	1	PLUG	
21	4460465	24	SOCKET TERMINAL	
21	4460944	2	TERMINAL	

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FIGURE 10-11. TRANSMISSION HARNESS



TO ENGINE HARNESS

H2					
CONN POS	WIRE DESIGNATION	COLOUR	GAUGE	TYPE	TO
1	TRANS SOL Y1	BRN	16 AWG	GXL	DIODE 4 (1)
2	TRANS SOL Y2	BRN	16 AWG	GXL	DIODE 5 (1)
3	TRANS SOL Y3	BRN	16 AWG	GXL	DIODE 6 (1)
4	TRANS SOL Y4	BRN	16 AWG	GXL	DIODE 7 (1)
5	TRANS SOL Y5	BRN	16 AWG	GXL	DIODE 8 (1)
6					
7					
8	PK BRK SOL	VIO	16 AWG	GXL	DIODE 9 (1)
9					
10	TRANS TMP SW	BLU	16 AWG	GXL	TEMPSW (1)
11	ENG GND	BLK	16 AWG	GXL	SPLICE 13 (1)
12	ENG GND	BLK	16 AWG	GXL	SPLICE 13 (1)

TO TRANSMISSION SOLENOID 1

SOL1					
CONN POS	WIRE DESIGNATION	COLOUR	GAUGE	TYPE	TO
A	TRANS SOL Y1	BRN	16 AWG	GXL	DIODE 4 (1)
B	ENG GND	BLK	16 AWG	GXL	DIODE 4 (2)

TO TRANSMISSION SOLENOID 2

SOL2					
CONN POS	WIRE DESIGNATION	COLOUR	GAUGE	TYPE	TO
A	TRANS SOL Y2	BRN	16 AWG	GXL	DIODE 5 (1)
B	ENG GND	BLK	16 AWG	GXL	DIODE 5 (2)

TO TRANSMISSION SOLENOID 3

SOL3					
CONN POS	WIRE DESIGNATION	COLOUR	GAUGE	TYPE	TO
A	TRANS SOL Y3	BRN	16 AWG	GXL	DIODE 6 (1)
B	ENG GND	BLK	16 AWG	GXL	DIODE 6 (2)

TO TRANSMISSION SOLENOID 4

SOL4					
CONN POS	WIRE DESIGNATION	COLOUR	GAUGE	TYPE	TO
A	TRANS SOL Y4	BRN	16 AWG	GXL	DIODE 7 (1)
B	ENG GND	BLK	16 AWG	GXL	DIODE 7 (2)

TO TRANSMISSION SOLENOID 5

SOL4					
CONN POS	WIRE DESIGNATION	COLOUR	GAUGE	TYPE	TO
A	TRANS SOL Y5	BRN	16 AWG	GXL	DIODE 8 (1)
B	ENG GND	BLK	16 AWG	GXL	DIODE 8 (2)

TO PARK BRAKE SOLENOID

PKSOL					
CONN POS	WIRE DESIGNATION	COLOUR	GAUGE	TYPE	TO
A	PK BRK SOL	VIO	16 AWG	GXL	DIODE 9 (1)
B	ENG GND	BLK	16 AWG	GXL	DIODE 9 (2)

DIODE 4

CONN POS	WIRE DESIGNATION	COLOUR	GAUGE	TYPE	TO
1	TRANS SOL Y1	BRN	16 AWG	GXL	H2 (1)
1	TRANS SOL Y1	BRN	16 AWG	GXL	SOL1 (A)
2	ENG GND	BLK	16 AWG	GXL	SOL1 (B)
2	ENG GND	BLK	16 AWG	GXL	SPLICE13 (2)

DIODE 5

CONN POS	WIRE DESIGNATION	COLOUR	GAUGE	TYPE	TO
1	TRANS SOL Y2	BRN	16 AWG	GXL	H2 (2)
1	TRANS SOL Y2	BRN	16 AWG	GXL	SOL2 (A)
2	ENG GND	BLK	16 AWG	GXL	SPLICE 13 (2)
2	ENG GND	BLK	16 AWG	GXL	SOL2 (B)

DIODE 6

CONN POS	WIRE DESIGNATION	COLOUR	GAUGE	TYPE	TO
1	TRANS SOL Y3	BRN	16 AWG	GXL	H2 (3)
1	TRANS SOL Y3	BRN	16 AWG	GXL	SOL3 (A)
2	ENG GND	BLK	16 AWG	GXL	SPLICE 13 (2)
2	ENG GND	BLK	16 AWG	GXL	SOL3 (B)

DIODE 7

CONN POS	WIRE DESIGNATION	COLOUR	GAUGE	TYPE	TO
1	TRANS SOL Y4	BRN	16 AWG	GXL	H2 (4)
1	TRANS SOL Y4	BRN	16 AWG	GXL	SOL4 (A)
2	ENG GND	BLK	16 AWG	GXL	SOL4 (B)
2	ENG GND	BLK	16 AWG	GXL	SPLICE 13 (2)

TO TRANSMISSION TEMPERATURE SWITCH

TEMPSW					
CONN POS	WIRE DESIGNATION	COLOUR	GAUGE	TYPE	TO
A	TEMP TEMP SW	BLU	16 AWG	GXL	H2 (10)
B	ENG GND	BLK	16 AWG	GXL	SPLICE 13 (2)

DIODE 8

CONN POS	WIRE DESIGNATION	COLOUR	GAUGE	TYPE	TO
1	TRANS SOL Y5	BRN	16 AWG	GXL	H2 (5)
1	TRANS SOL Y5	BRN	16 AWG	GXL	SOL5 (A)
2	ENG GND	BLK	16 AWG	GXL	SPLICE 13 (2)
2	ENG GND	BLK	16 AWG	GXL	SOL5 (B)

DIODE 9

CONN POS	WIRE DESIGNATION	COLOUR	GAUGE	TYPE	TO
1	PK BRK SOL	VIO	16 AWG	GXL	H2 (8)
1	PK BRK SOL	VIO	16 AWG	GXL	PKSOL (A)
2	ENG GND	BLK	16 AWG	GXL	SPLICE 13 (2)
2	ENG GND	BLK	16 AWG	GXL	PKSOL (B)

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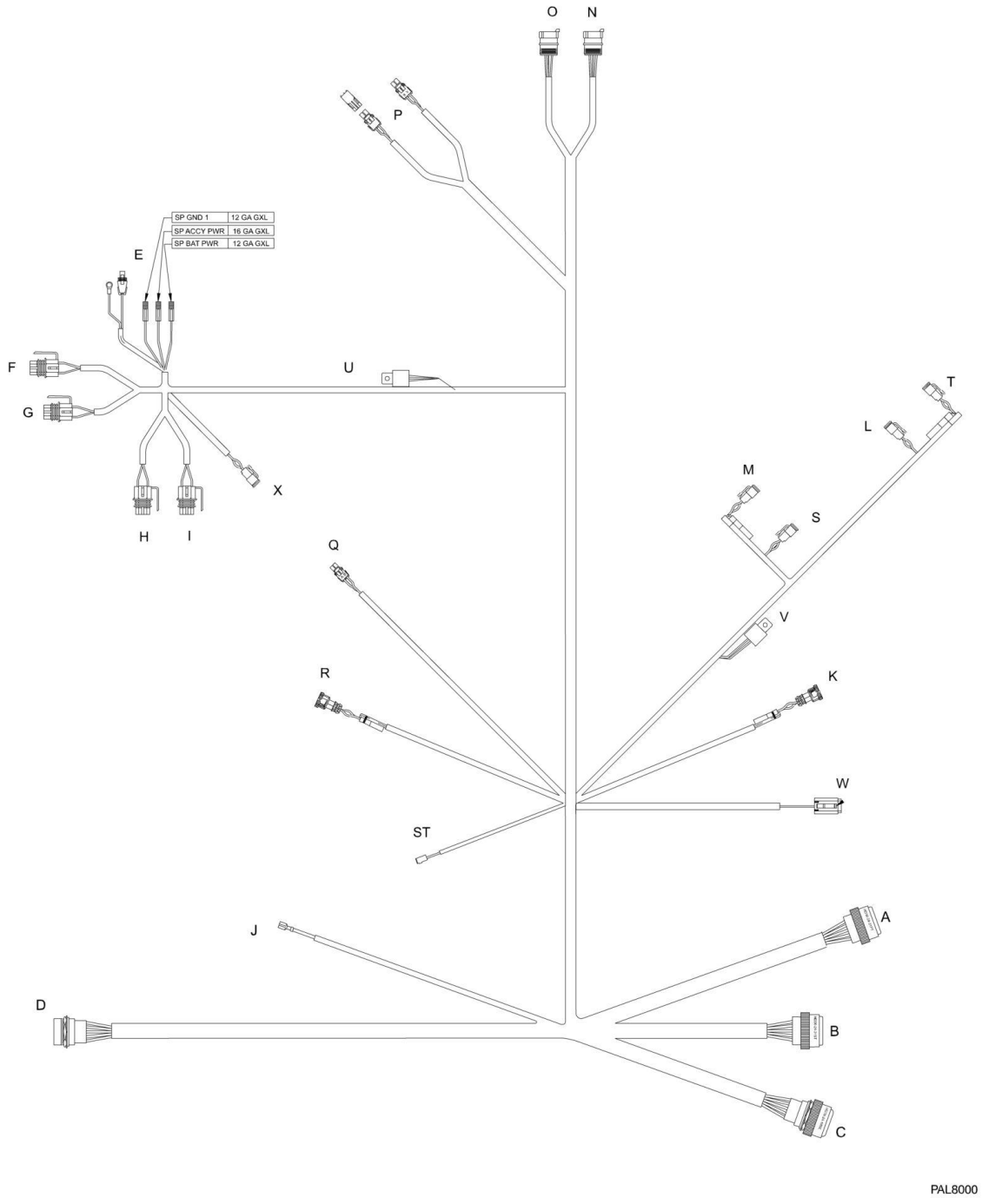
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FIGURE 10-11. TRANSMISSION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001115528	1	TRANSMISSION HARNESS, (includes all items)	C
1	4460970	1	FEMALE RECEPTACLE, (includes rear seal)	
1	80363179	1	SECONDARY WEDGE LOCK	
1	4460465	9	TERMINAL	
1	4460466	3	PLUG	
2	4460955	6	CONNECTOR	
2	1001116748	2	TERMINAL	
3	91363021	6	MOLDED DIODE	
4	1001117073	1	CONNECTOR	
4	70022741	1	WEDGE LOCK	

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FIGURE 10-12. FRAME HARNESS



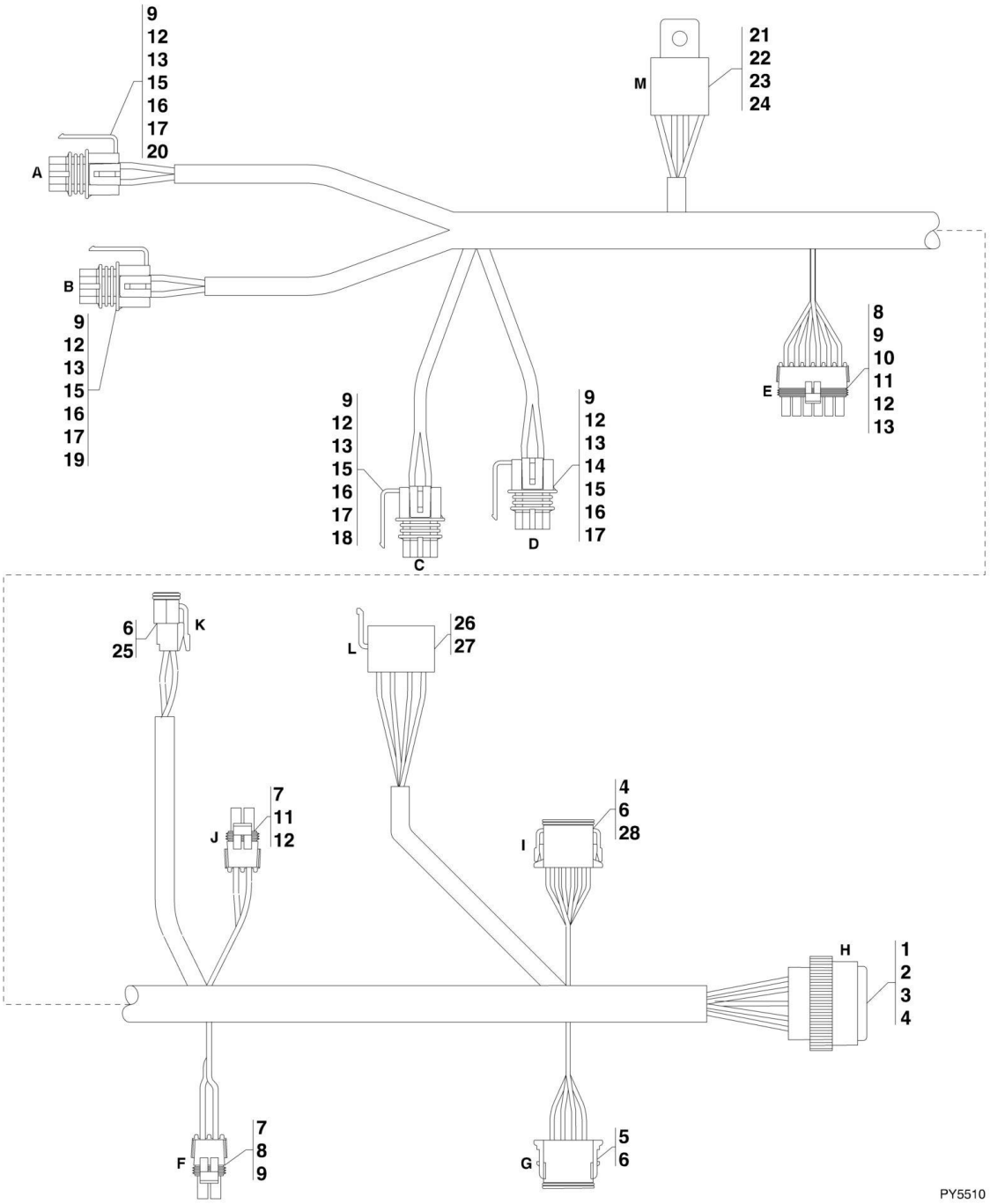
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FIGURE 10-12. FRAME HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001133354	1	FRAME HARNESS, (includes all items)	F

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FIGURE 10-13. VEC OPTIONS HARNESS



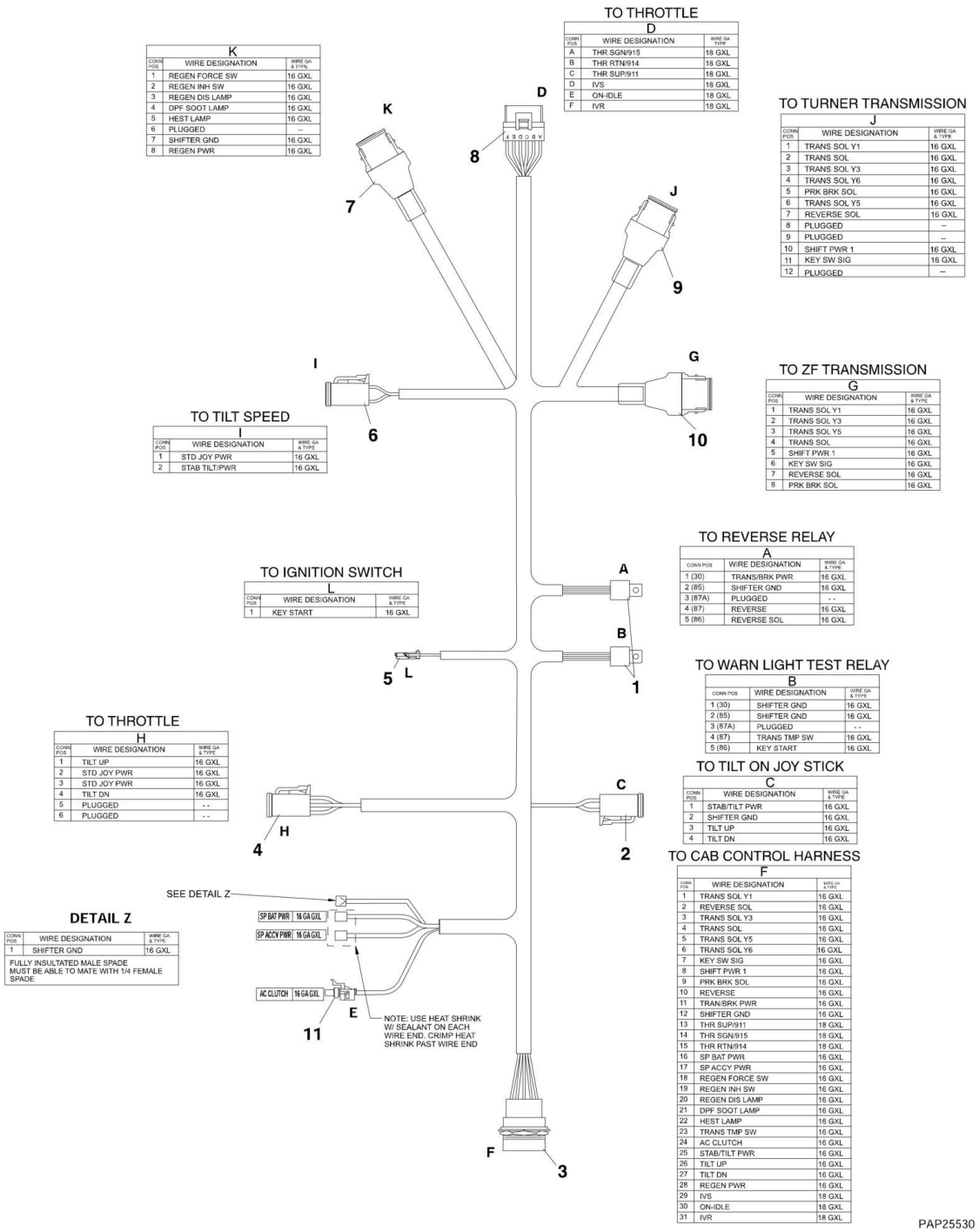
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FIGURE 10-13. VEC OPTIONS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001112039	1	VEC BOX HARNESS, (includes all items)	E
1	91504089	1	CONNECTOR	
2	4460464	1	CONTACT	
3	4460508	1	CONTACT	
4	4460466	1	PLUG	
5	4460930	1	CONNECTOR	
5	80604025	1	WEDGE LOCK	
6	4460465	2	TERMINAL	
7	4460742	2	CONNECTOR	
8	4460790	2	TERMINAL	
9	8220089	6	SEAL	
10	4460461	1	CONNECTOR	
11	4460457	2	TERMINAL	
12	4460458	4	SEAL	
13	1001116727	3	PLUG	
14	80484081	1	GREEN CONNECTOR	
15	7026414	4	CONNECTOR LOCK	
16	4460746	4	TERMINAL	
17	1001116747	4	TERMINAL	
18	80484084	1	BLUE CONNECTOR	
19	80484085	1	GRAY CONNECTOR	
20	1001121557	1	BLACK CONNECTOR	
21	1001118282	1	CONNECTOR, (includes item 22)	
22	3740080	1	RELAY	
23	1001116733	1	TERMINAL	
24	91554023	1	PLUG	
25	4460891	1	CONNECTOR	
25	80604018	1	WEDGE LOCK	
26	7026439	1	HOUSING	
27	4460419	1	TERMINAL	
28	4460933	1	CONNECTOR	
28	80604016	1	WEDGE LOCK	

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FIGURE 10-14. TRANSMISSION RELAY HARNESS



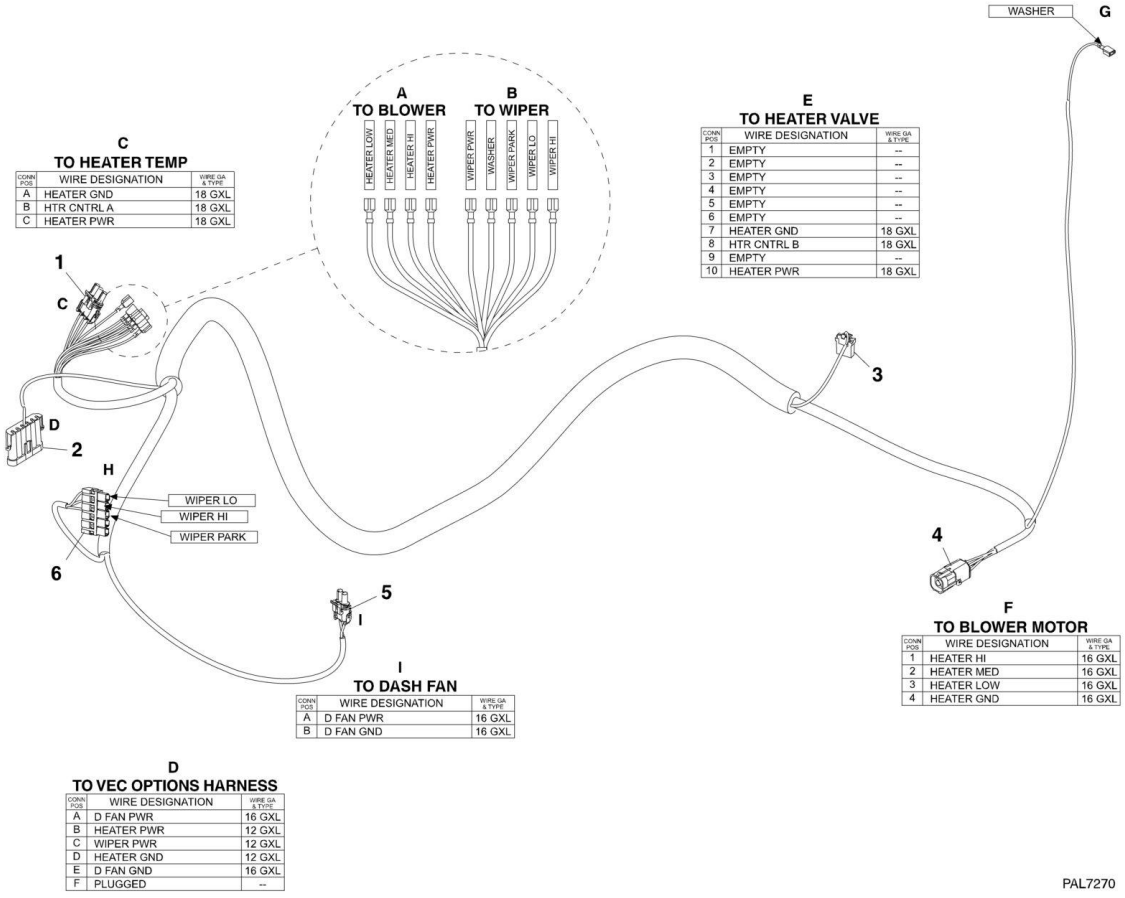
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FIGURE 10-14. TRANSMISSION RELAY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001140233	1	TRANSMISSION RELAY HARNESS, (includes all items)	C
1	3740080	2	RELAY	
1	1001118282	1	METRI-PACK RELAY	
1	1001116733	4	TERMINAL	
1	1001128128	1	PLUG	
2	4460884	1	CONNECTOR	
2	80604021	1	CONNECTOR LOCK	
2	4460465	4	TERMINAL	
3	4460503	1	CONNECTOR	
3	4460464	31	TERMINAL	
3	83481286	1	NUT	
3	83481285	1	LOCKWASHER	
4	91504088	1	CONNECTOR	
4	91504107	1	CONNECTOR LOCK	
4	77363229	4	CONTACT	
4	4460466	2	PLUG	
5	80963055	1	CONNECTOR	
5	4460457	1	TERMINAL	
5	77394009	1	CABLE SEAL, RED	
6	7026408	1	CONNECTOR	
6	80604018	1	CONNECTOR LOCK	
6	77363229	2	CONTACT	
7	4460851	1	CONNECTOR	
7	80604025	1	WEDGE LOCK	
7	77363229	7	CONTACT	
7	4460466	1	PLUG	
7	70020870	1	BOOT	
8	1001117064	1	CONNECTOR	
8	91554014	6	TERMINAL	
9	80604016	1	WEDGE LOCK	
9	4460465	9	TERMINAL	
10	4460930	1	CONNECTOR	
10	80604025	1	WEDGE LOCK	
10	446465	8	TERMINAL	
11	80963055	1	CONNECTOR	
11	80963068	1	TERMINAL	
11	80963065	1	CABLE SEAL	

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FIGURE 10-15. ENCLOSED CAB OPTION HARNESS



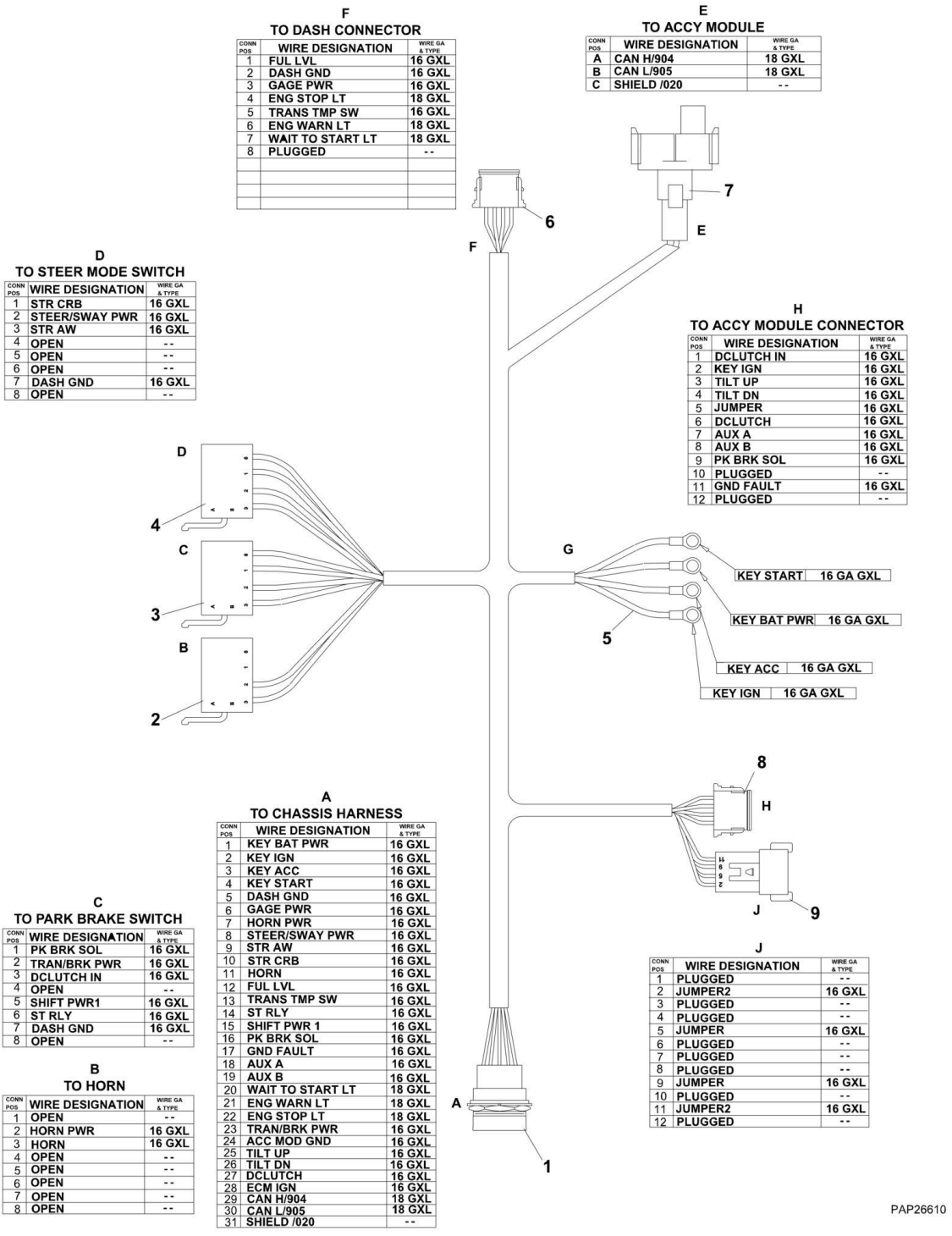
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FIGURE 10-15. ENCLOSED CAB OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91563185	1	ENCLOSED CAB OPTION HARNESS, (includes all items)	B
1	4460459	1	CONNECTOR	
1	4460743	3	TERMINAL	
1	80963065	3	SEAL	
2	80963064	1	CONNECTOR	
2	4460475	2	TERMINAL	
2	4460850	3	TERMINAL	
2	80963065	2	SEAL	
2	80963067	3	SEAL	
2	1001116727	1	PLUG	
3	7026429	1	CONNECTOR	
3	7026430	3	TERMINAL	
4	80963062	1	CONNECTOR	
4	4460475	4	TERMINAL	
4	80963065	4	SEAL	
5	4460742	1	CONNECTOR	
5	4460457	2	TERMINAL	
5	80963065	2	SEAL	
6	7026431	1	CONNECTOR	

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FIGURE 10-16. DASH HARNESS



F — TO DASH CONNECTOR

CONN POS	WIRE DESIGNATION	WIRE GA & TYPE
1	FUL LVL	16 GXL
2	DASH GND	16 GXL
3	GAGE PWR	16 GXL
4	ENG STOP LT	18 GXL
5	TRANS TMP SW	16 GXL
6	ENG WARN LT	18 GXL
7	WAIT TO START LT	18 GXL
8	PLUGGED	--

E — TO ACCY MODULE

CONN POS	WIRE DESIGNATION	WIRE GA & TYPE
A	CAN H/904	18 GXL
B	CAN L/905	18 GXL
C	SHIELD /020	--

D — TO STEER MODE SWITCH

CONN POS	WIRE DESIGNATION	WIRE GA & TYPE
1	STR CRB	16 GXL
2	STEER/SWAY PWR	16 GXL
3	STR AW	16 GXL
4	OPEN	--
5	OPEN	--
6	OPEN	--
7	DASH GND	16 GXL
8	OPEN	--

H — TO ACCY MODULE CONNECTOR

CONN POS	WIRE DESIGNATION	WIRE GA & TYPE
1	DCLUTCH IN	16 GXL
2	KEY IGN	16 GXL
3	TILT UP	16 GXL
4	TILT DN	16 GXL
5	JUMPER	16 GXL
6	DCLUTCH	16 GXL
7	AUX A	16 GXL
8	AUX B	16 GXL
9	PK BRK SOL	16 GXL
10	PLUGGED	--
11	GND FAULT	16 GXL
12	PLUGGED	--

C — TO PARK BRAKE SWITCH

CONN POS	WIRE DESIGNATION	WIRE GA & TYPE
1	PK BRK SOL	16 GXL
2	TRAN/BRK PWR	16 GXL
3	DCLUTCH IN	16 GXL
4	OPEN	--
5	SHIFT PWR1	16 GXL
6	ST RLY	16 GXL
7	DASH GND	16 GXL
8	OPEN	--

B — TO HORN

CONN POS	WIRE DESIGNATION	WIRE GA & TYPE
1	OPEN	--
2	HORN PWR	16 GXL
3	HORN	16 GXL
4	OPEN	--
5	OPEN	--
6	OPEN	--
7	OPEN	--
8	OPEN	--

A — TO CHASSIS HARNESS

CONN POS	WIRE DESIGNATION	WIRE GA & TYPE
1	KEY BAT PWR	16 GXL
2	KEY IGN	16 GXL
3	KEY ACC	16 GXL
4	KEY START	16 GXL
5	DASH GND	16 GXL
6	GAGE PWR	16 GXL
7	HORN PWR	16 GXL
8	STEER/SWAY PWR	16 GXL
9	STR AW	16 GXL
10	STR CRB	16 GXL
11	HORN	16 GXL
12	FUL LVL	16 GXL
13	TRANS TMP SW	16 GXL
14	ST RLY	16 GXL
15	SHIFT PWR 1	16 GXL
16	PK BRK SOL	16 GXL
17	GND FAULT	16 GXL
18	AUX A	16 GXL
19	AUX B	16 GXL
20	WAIT TO START LT	18 GXL
21	ENG WARN LT	18 GXL
22	ENG STOP LT	18 GXL
23	TRAN/BRK PWR	16 GXL
24	ACC MOD GND	16 GXL
25	TILT UP	16 GXL
26	TILT DN	16 GXL
27	DCLUTCH	16 GXL
28	ECM IGN	16 GXL
29	CAN H/904	18 GXL
30	CAN L/905	18 GXL
31	SHIELD /020	--

J

CONN POS	WIRE DESIGNATION	WIRE GA & TYPE
1	PLUGGED	--
2	JUMPER2	16 GXL
3	PLUGGED	--
4	PLUGGED	--
5	JUMPER	16 GXL
6	PLUGGED	--
7	PLUGGED	--
8	PLUGGED	--
9	JUMPER	16 GXL
10	PLUGGED	--
11	JUMPER2	16 GXL
12	PLUGGED	--

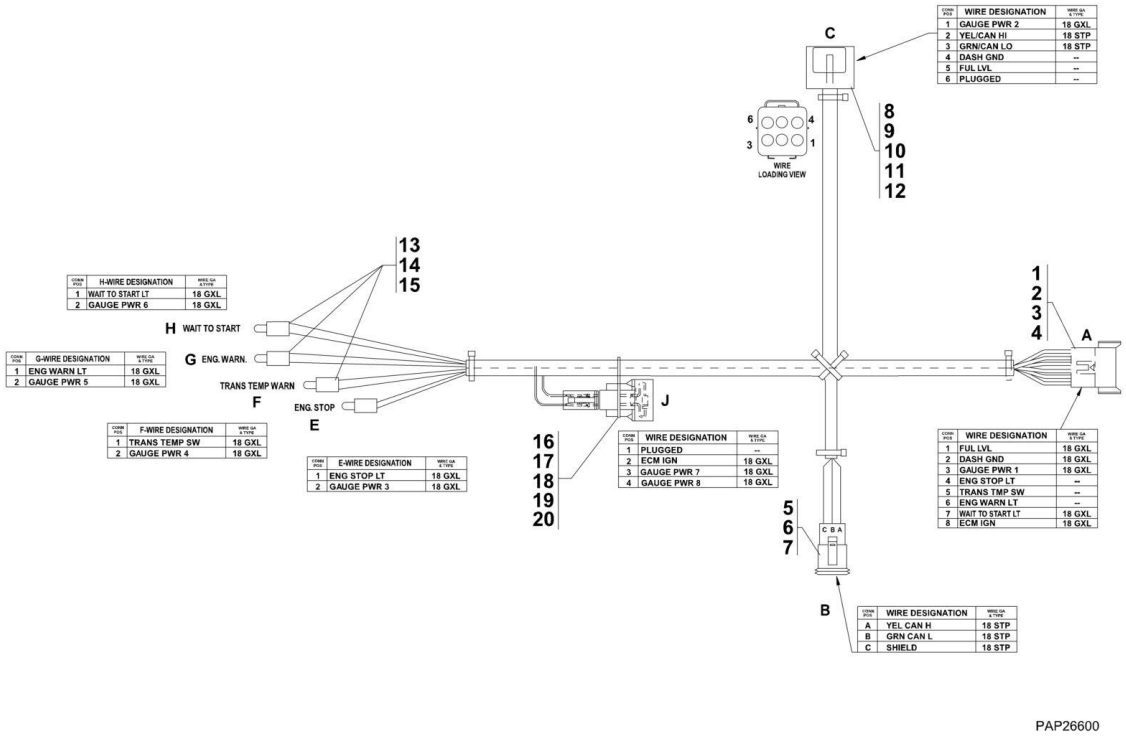
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FIGURE 10-16. DASH HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108841	1	DASH HARNESS, (includes all items)	F
1	4460500	1	CONNECTOR	
1	4460465	30	TERMINAL	
1	4460466	1	PLUG	
1	83481286	1	NUT	
1	83481285	1	LOCKWASHER	
2	4460419	2	METRI-PACK CONNECTOR	
3	4460419	6	METRI-PACK CONNECTOR	
4	4460419	4	METRI-PACK CONNECTOR	
5	80963056	1	CONNECTOR	
5	4460475	1	TERMINAL	
6	8220524	1	CONNECTOR	
6	8220525	1	WEDGE LOCK	
6	4460465	7	TERMINAL	
6	4460466	1	PLUG	
7	1001116912	1	CONNECTOR, (includes rear seal)	
7	91554019	1	CONNECTOR LOCK	
7	4460944	2	TERMINAL	
7	4460945	1	CONNECTOR	
7	70022224	1	CONNECTOR	
7	91554019	1	CONNECTOR LOCK	
8	7026425	1	CONNECTOR	
8	80604016	1	CONNECTOR LOCK	
8	4460465	10	TERMINAL	
8	4460466	2	PLUG	
9	80363178	1	CONNECTOR	
9	80363179	1	CONNECTOR LOCK	
9	4460465	4	TERMINAL	
9	4460466	8	PLUG	

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FIGURE 10-17. INSTRUMENT PANEL HARNESS



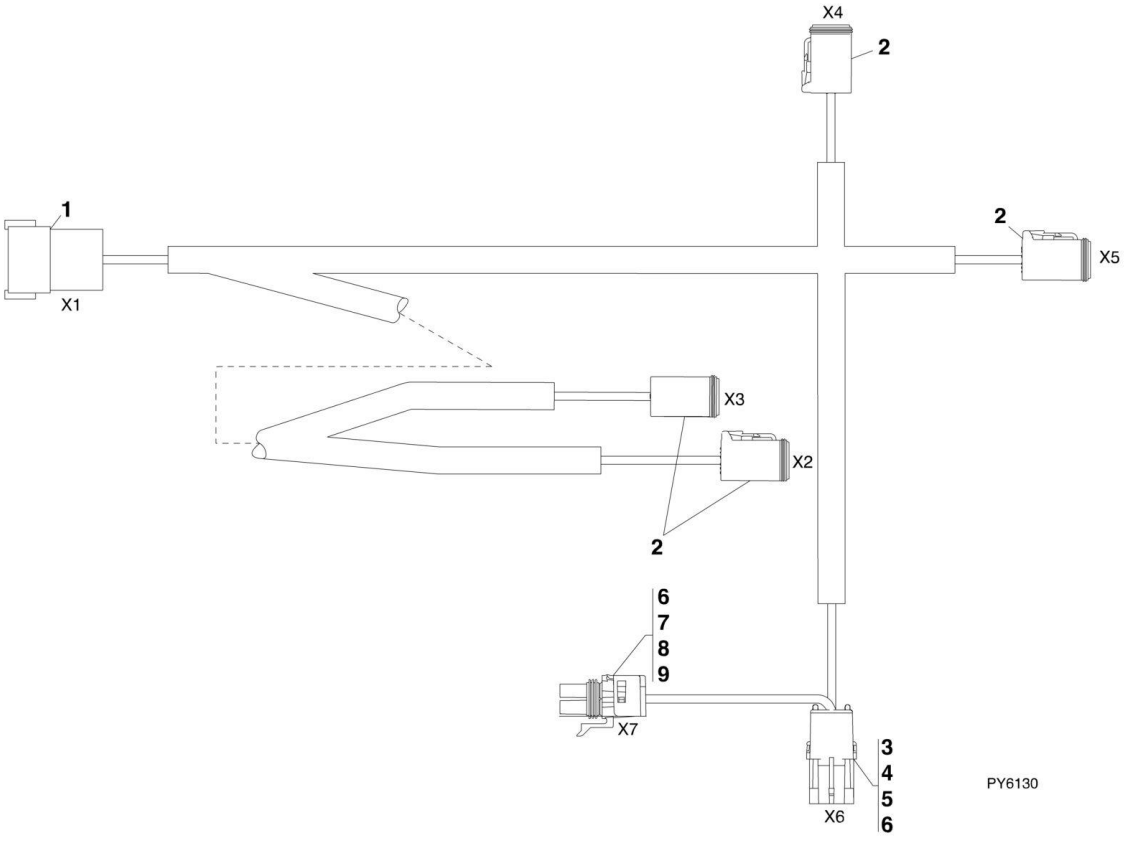
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FIGURE 10-17. INSTRUMENT PANEL HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001102815	1	INSTRUMENT PANEL HARNESS, (includes all items)	C
1	91503105	1	8 PIN RECEPTACLE	
2	91503106	1	WEDGE LOCK	
3	77363228	7	TERMINAL	
4	4460466	1	PLUG	
5	N.S.S.	1	CONNECTOR	
6	70022691	1	WEDGE LOCK	
7	4460944	3	CONTACT	
8	N.S.S.	1	CONNECTOR	
9	N.S.S.	1	DOUBLE LOCK PLATE	
10	N.S.S.	1	SOCKET	
11	N.S.S.	1	WIRE SEAL	
12	N.S.S.	1	PLUG	
13	7026437	4	BULB BASE	
14	7026438	8	TERMINAL	
15	80484088	4	BULB	
16	1001116816	1	DIODE	
17	4460465	3	TERMINAL	
18	80604021	1	WEDGE LOCK	
19	4460884	1	CONNECTOR	
20	4460466	1	PLUG	

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FIGURE 10-18. FRAME ROAD LIGHTS HARNESS



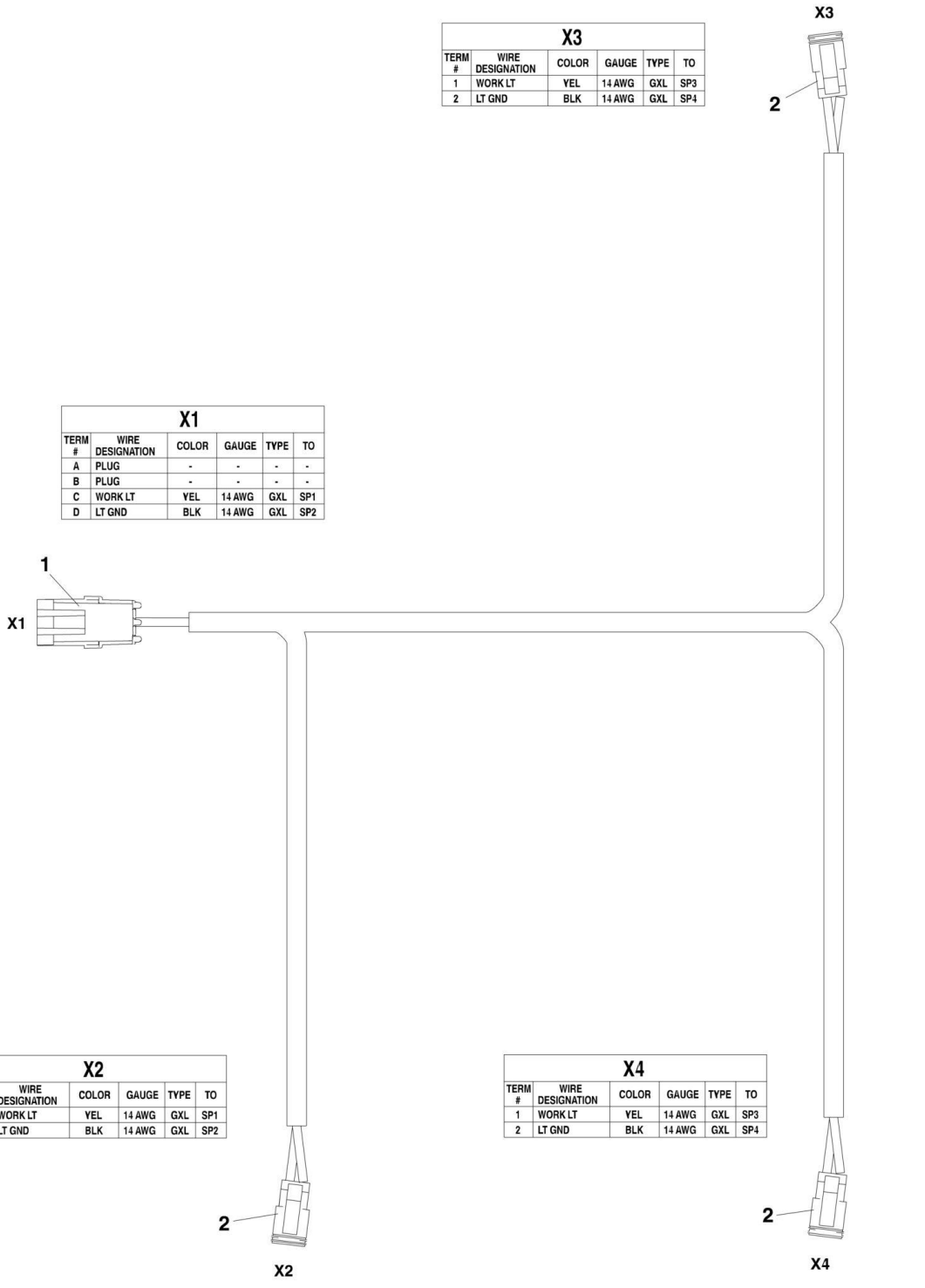
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FIGURE 10-18. FRAME ROAD LIGHTS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001125385	1	FRAME ROAD LIGHTS HARNESS, (if equipped), (includes all items)	A
1	91503105	1	CONNECTOR	
1	91503106	1	WEDGE LOCK	
2	7026909	4	CONNECTOR	
2	80604023	4	WEDGE LOCK	
3	80963062	1	CONNECTOR	
4	4460850	3	TERMINAL	
5	8220089	1	SEAL	
6	1001116727	4	PLUG	
7	80963061	1	CONNECTOR	
8	4460457	2	TERMINAL	
9	4460458	1	SEAL	

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FIGURE 10-19. BOOM WORK LIGHTS HARNESS



X3					
TERM #	WIRE DESIGNATION	COLOR	GAUGE	TYPE	TO
1	WORK LT	YEL	14 AWG	GXL	SP3
2	LT GND	BLK	14 AWG	GXL	SP4

X1					
TERM #	WIRE DESIGNATION	COLOR	GAUGE	TYPE	TO
A	PLUG	-	-	-	-
B	PLUG	-	-	-	-
C	WORK LT	YEL	14 AWG	GXL	SP1
D	LT GND	BLK	14 AWG	GXL	SP2

X2					
TERM #	WIRE DESIGNATION	COLOR	GAUGE	TYPE	TO
1	WORK LT	YEL	14 AWG	GXL	SP1
2	LT GND	BLK	14 AWG	GXL	SP2

X4					
TERM #	WIRE DESIGNATION	COLOR	GAUGE	TYPE	TO
1	WORK LT	YEL	14 AWG	GXL	SP3
2	LT GND	BLK	14 AWG	GXL	SP4

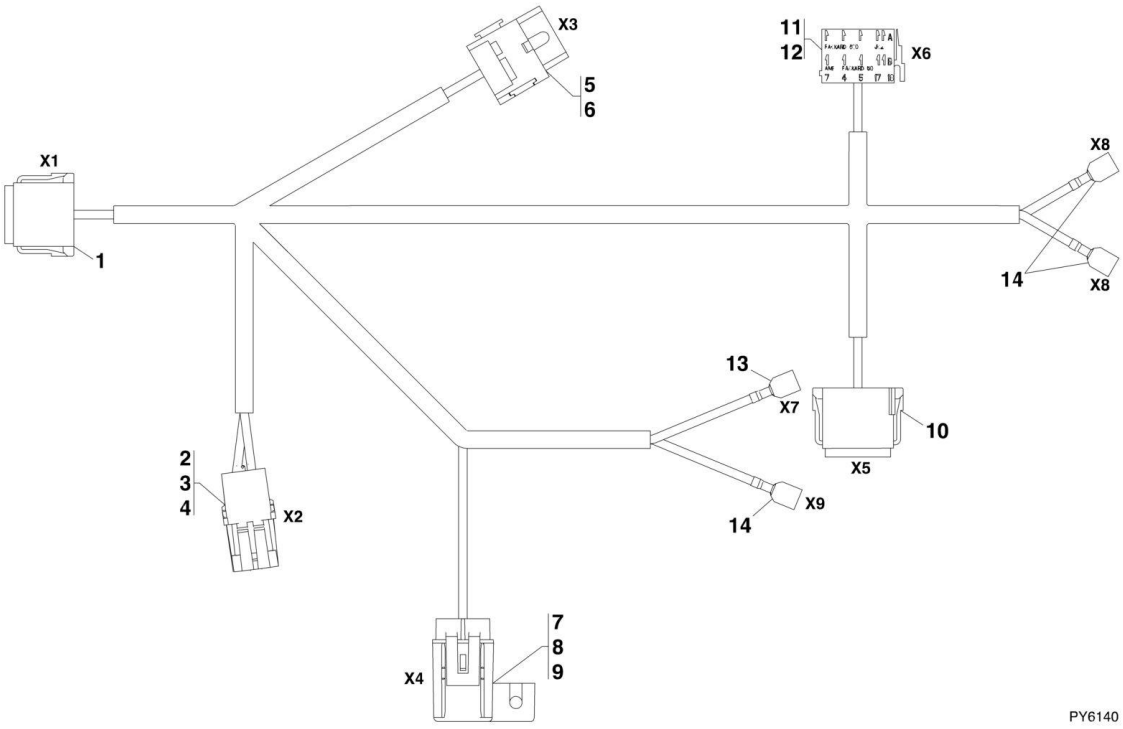
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FIGURE 10-19. BOOM WORK LIGHTS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001125382	1	BOOM WORK LIGHTS HARNESS, (if equipped), (includes all items)	A
1	80963062	1	CONNECTOR	
1	4460850	2	TERMINAL	
1	8220081	2	SEAL	
1	1001116727	2	PLUG	
2	4460891	3	PLUG CONNECTOR, (includes rear seal)	
2	80604018	1	WEDGE LOCK	
2	4460942	2	TERMINAL	

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FIGURE 10-20. CAB ROAD LIGHTS HARNESS



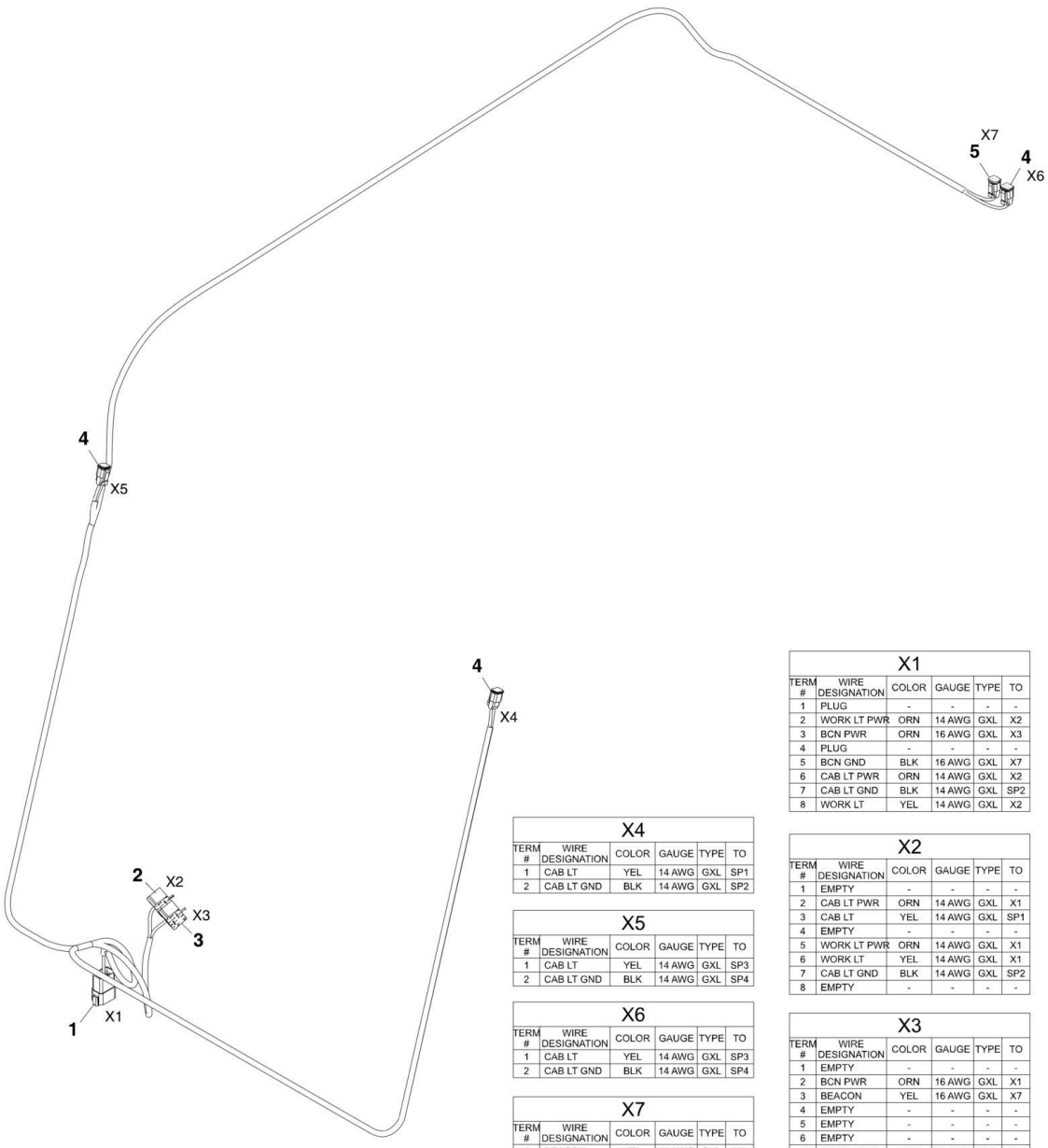
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FIGURE 10-20. CAB ROAD LIGHTS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001090509	1	CAB ROAD LIGHTS HARNESS, (if equipped), (includes all items)	C
1	4460851	1	CONNECTOR	
1	80604025	1	WEDGE LOCK	
2	4461157	1	CONNECTOR	
3	4460475	2	TERMINAL	
4	8220081	1	SEAL	
5	1001117058	1	CONNECTOR	
6	4460419	2	TERMINAL	
7	1001117018	1	CONNECTOR, (includes 15 amp fuse)	
8	1001116733	2	TERMINAL	
9	7029771	1	COVER	
10	4460934	1	CONNECTOR	
10	80604016	1	WEDGE LOCK	
11	1001117079	1	CONNECTOR	
12	1001118384	7	TERMINAL	
13	N.S.S.	1	1/4 SPADE TERMINAL	
14	N.S.S.	3	1/4 FEMALE TERMINAL	

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FIGURE 10-21. CAB WORK LIGHT HARNESS



X1					
TERM #	WIRE DESIGNATION	COLOR	GAUGE	TYPE	TO
1	PLUG	-	-	-	-
2	WORK LT PWR	ORN	14 AWG	GXL	X2
3	BCN PWR	ORN	16 AWG	GXL	X3
4	PLUG	-	-	-	-
5	BCN GND	BLK	16 AWG	GXL	X7
6	CAB LT PWR	ORN	14 AWG	GXL	X2
7	CAB LT GND	BLK	14 AWG	GXL	SP2
8	WORK LT	YEL	14 AWG	GXL	X2

X4					
TERM #	WIRE DESIGNATION	COLOR	GAUGE	TYPE	TO
1	CAB LT	YEL	14 AWG	GXL	SP1
2	CAB LT GND	BLK	14 AWG	GXL	SP2

X2					
TERM #	WIRE DESIGNATION	COLOR	GAUGE	TYPE	TO
1	EMPTY	-	-	-	-
2	CAB LT PWR	ORN	14 AWG	GXL	X1
3	CAB LT	YEL	14 AWG	GXL	SP1
4	EMPTY	-	-	-	-
5	WORK LT PWR	ORN	14 AWG	GXL	X1
6	WORK LT	YEL	14 AWG	GXL	X1
7	CAB LT GND	BLK	14 AWG	GXL	SP2
8	EMPTY	-	-	-	-

X5					
TERM #	WIRE DESIGNATION	COLOR	GAUGE	TYPE	TO
1	CAB LT	YEL	14 AWG	GXL	SP3
2	CAB LT GND	BLK	14 AWG	GXL	SP4

X6					
TERM #	WIRE DESIGNATION	COLOR	GAUGE	TYPE	TO
1	CAB LT	YEL	14 AWG	GXL	SP3
2	CAB LT GND	BLK	14 AWG	GXL	SP4

X3					
TERM #	WIRE DESIGNATION	COLOR	GAUGE	TYPE	TO
1	EMPTY	-	-	-	-
2	BCN PWR	ORN	16 AWG	GXL	X1
3	BEACON	YEL	16 AWG	GXL	X7
4	EMPTY	-	-	-	-
5	EMPTY	-	-	-	-
6	EMPTY	-	-	-	-
7	CAB LT GND	BLK	14 AWG	GXL	SP2
8	EMPTY	-	-	-	-

X7					
TERM #	WIRE DESIGNATION	COLOR	GAUGE	TYPE	TO
1	BEACON	YEL	16 AWG	GXL	X3
2	BCN GND	BLK	16 AWG	GXL	X1

PAL7070

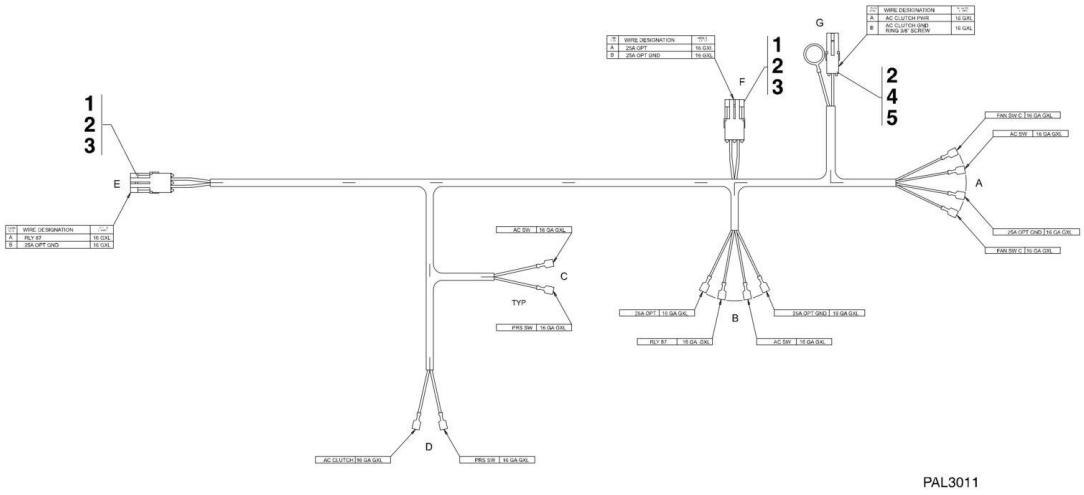
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FIGURE 10-21. CAB WORK LIGHT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001125384	1	CAB WORK LIGHT HARNESS, (if equipped), (includes all items)	A
1	91554017	1	DEUTSCH CONNECTOR	
1	8220525	1	WEDGELOCK	
1	4460465	2	SOCKET TERMINAL	
1	4460942	4	SOCKET TERMINAL	
1	4460466	2	PLUG	
2	7026439	1	CONNECTOR	
2	1001118384	5	TERMINAL	
3	7026439	1	CONNECTOR	
3	1001118384	3	TERMINAL	
4	4460891	3	PLUG CONNECTOR, (includes rear seal)	
4	80604018	1	WEDGELOCK	
4	4460942	2	SOCKET TERMINAL	
5	4460891	3	PLUG CONNECTOR, (includes rear seal)	
5	80604018	1	WEDGELOCK	
5	4460465	2	SOCKET TERMINAL	

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FIGURE 10-22. A/C HARNESS



WIRE CHART										
WIRE DESIGNATION	WIRE COLOR/STRIPE	WIRE GAGE	WIRE END A	WIRE END B	WIRE END C	WIRE END D	WIRE END E	WIRE END F	WIRE END G	REMARKS
25A OPT	ORANGE	16		1/4 FEMALE SPADE				PACKARD ASSY		25 AMP OPTION
25A OPT GND	BLACK	16	1/4 FEMALE SPADE	1/4 FEMALE SPADE			PACKARD ASSY	PACKARD ASSY	RING 3/8" SCREW	25 AMP OPTION GROUND
AC SW	YELLOW	16	1/4 FEMALE SPADE	1/4 FEMALE SPADE	1/4 FEMALE SPADE					AC SWITCH
AC CLUTCH	WHITE	16				1/4 FEMALE SPADE			PACKARD ASSY	AC CLUTCH
FAN SW C	GREEN	16	1/4 FEMALE SPADE 2X							AC SWITCH TO FAN C
-	-	-					-			-
PRS SW	VIOLET	16			1/4 FEMALE SPADE	1/4 FEMALE SPADE				PRESSURE SWITCH
RLY 87	ORANGE	16		1/4 FEMALE SPADE			PACKARD ASSY			RELAY 87

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FIGURE 10-22. A/C HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91563247	1	A/C HARNESS, (includes items 1 thru 5)	D
1	80963058	2	SHROUD	
2	80963069	3	TERMINAL	
3	80963067	2	CABLE SEAL	
4	80963056	1	CONNECTOR	
5	80963065	1	CABLE SEAL, GREEN	

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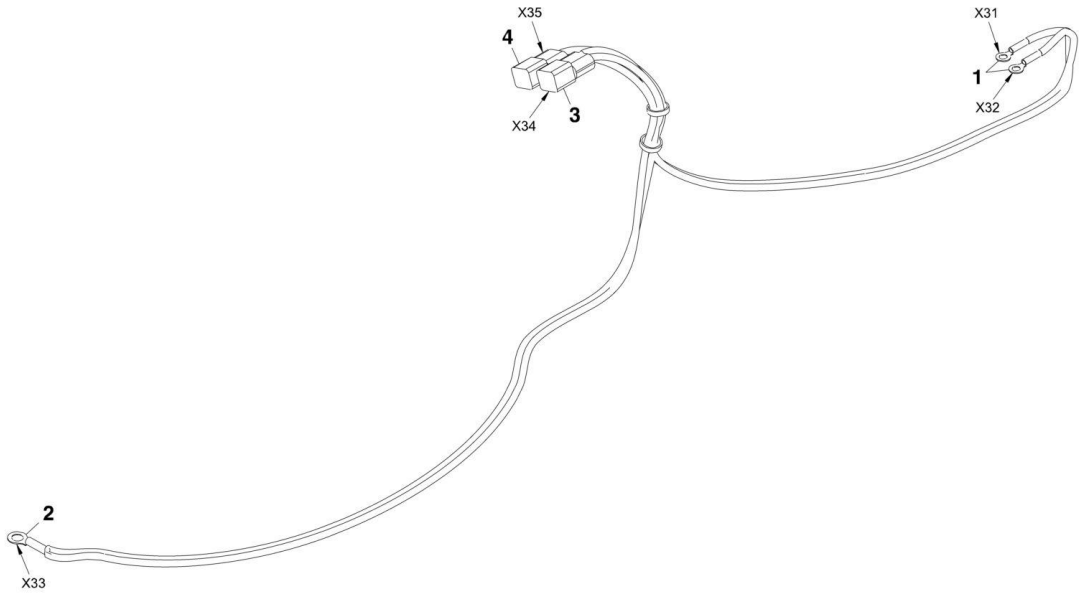
FIGURE 10-23. VEC HARNESS

X31

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE
1	RED	VEC PWR	8 AWG

X32

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE
1	RED	VEC PWR	8 AWG



X33

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE
1	BLK	VEC GND	8 AWG
1	BLK	VEC GND	8 AWG

X34

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE
1	RED	VEC PWR	8 AWG
2	RED	VEC PWR	8 AWG

X35

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE
1	BLK	VEC GND	8 AWG
2	BLK	VEC GND	8 AWG

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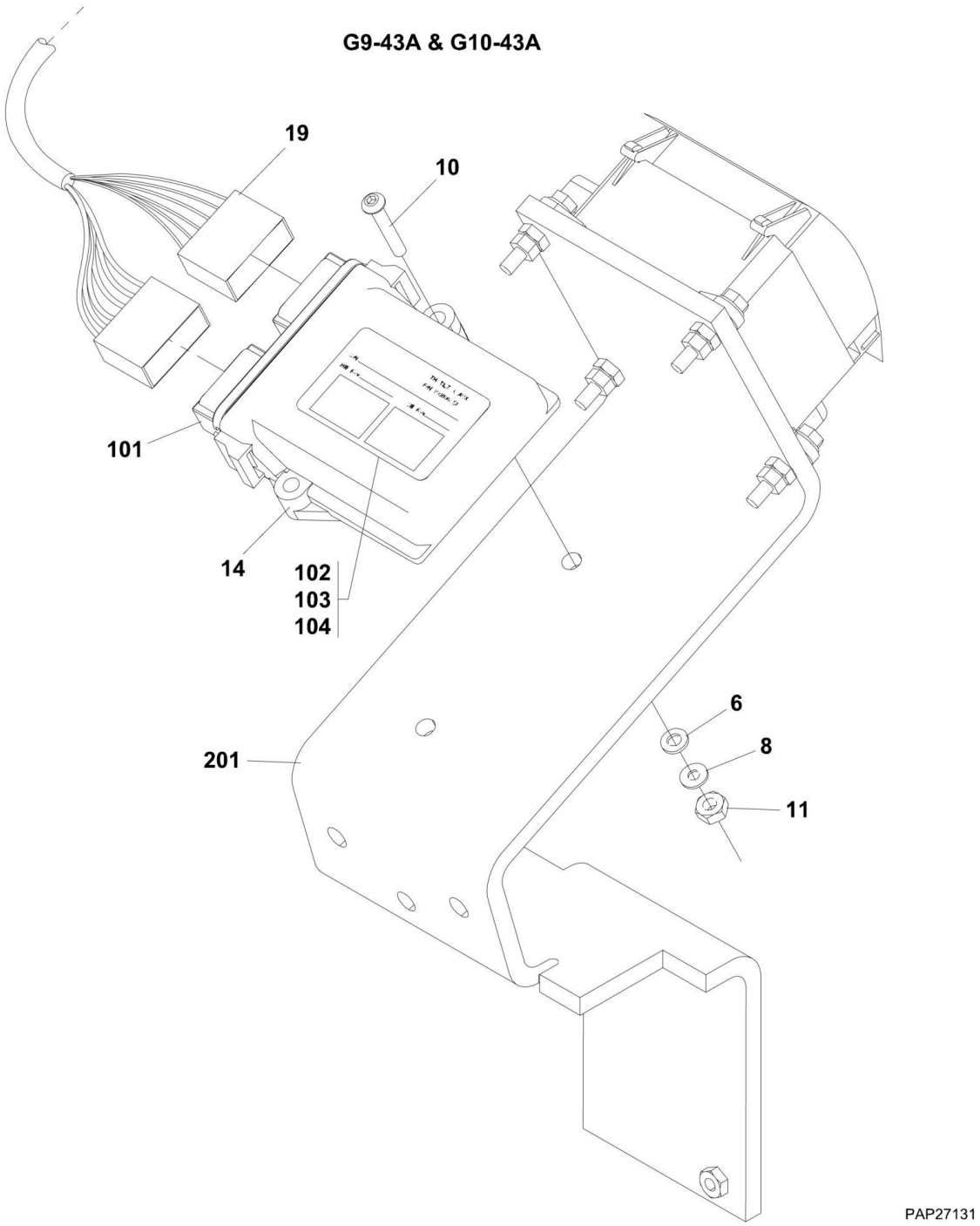
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FIGURE 10-23. VEC HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131891	1	VEC HARNESS, (includes all items)	C
1	1001117106	2	RING TERMINAL	
2	1001117112	1	RING TERMINAL	
3	1001117104	1	POSITIVE VEC CONNECTOR	
4	1001117103	1	NEGATIVE VEC CONNECTOR	

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FIGURE 10-24. TILT AND AUX CONTROL MODULE



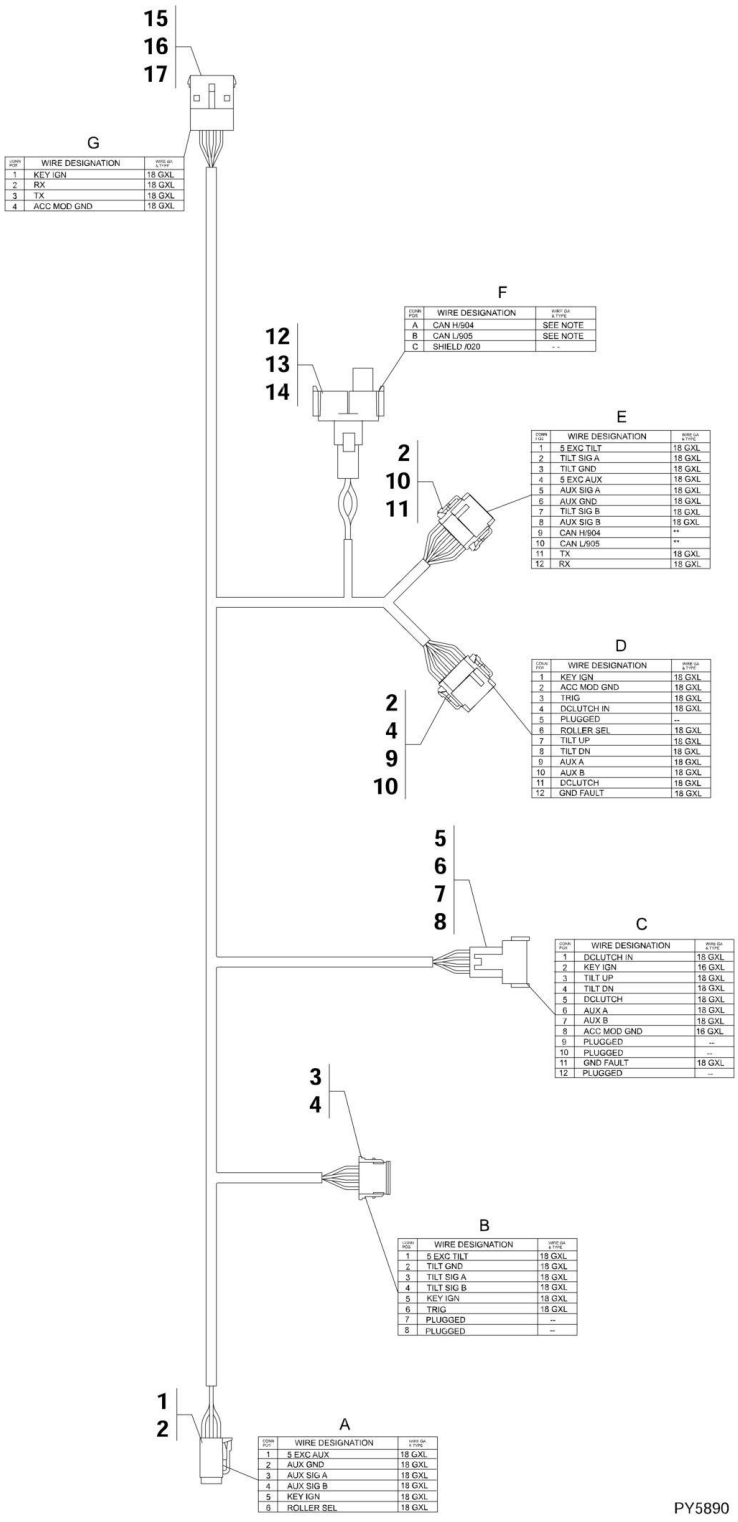
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FIGURE 10-24. TILT AND AUX CONTROL MODULE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
6	4711400	2	LOCKWASHER, 1/4, (G9-43A), (if equipped with tilt on joystick)	
6	4711000	2	WASHER, #10, (G10-43A), (if equipped with outrigger)	
8	4761400	2	LOCKWASHER, 1/4	
10	8310722	2	BUTTON HD CAPSCREW, 1/4-20X1-1/2	
11	10701506	2	HEX NUT, 1/4-20	
14	1001106351	1	TILT AND AUX CONTROL MODULE, (includes items 101 thru 104)	E
19		Ref	ACCESSORY MODULE HARNESS, (See ACCESSORY MODULE HARNESS for Breakdown)	
101	1001106352	1	ACCESSORY MODULE PC BOARD	
101	4460909	2	MATING CONNECTOR	
101	4460928	2	TERMINAL	
101	4460916	2	PLUG	
102	0861493	1	CIRCUIT CARD BOX	
103	1001106353	1	TILT AND AUX DECAL	
104	1001106354	1	SOFTWARE	
201		Ref	ACCELERATOR BRACKET, (See CONTROLS SECTION for Breakdown)	

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FIGURE 10-25. ACCESSORY MODULE HARNESS



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FIGURE 10-25. ACCESSORY MODULE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001111148	1	ACCESSORY MODULE HARNESS, (includes all items)	D
1	1001126007	1	CONNECTOR	
1	N.S.S.	1	LOCK	
1	N.S.S.		REAR SEAL	
2	1001116694	4	TERMINAL	
3	70023831	1	CONNECTOR	
3	N.S.S.	1	LOCK	
3	N.S.S.		REAR SEAL	
4	4460518	2	TERMINAL	
5	80363178	1	CONNECTOR	
6	80363179	1	SECONDARY WEDGE LOCK	
7	4460464	1	CONNECTOR	
8	4460466	1	TERMINAL	
9	1001116808	1	CONNECTOR	
10	4460915	2	WEDGE LOCK	
11	1001116774	1	CONNECTOR, DTM SERIES PLUG	
12	4460539	1	CONNECTOR, DTM SERIES PLUG	
13	91554019	1	SECONDARY WEDGE LOCK	
14	4460944	1	TERMINAL	
15	1001119032	1	CONNECTOR	
16	4460761	1	CONNECTOR	
17	4460267	1	TERMINAL	

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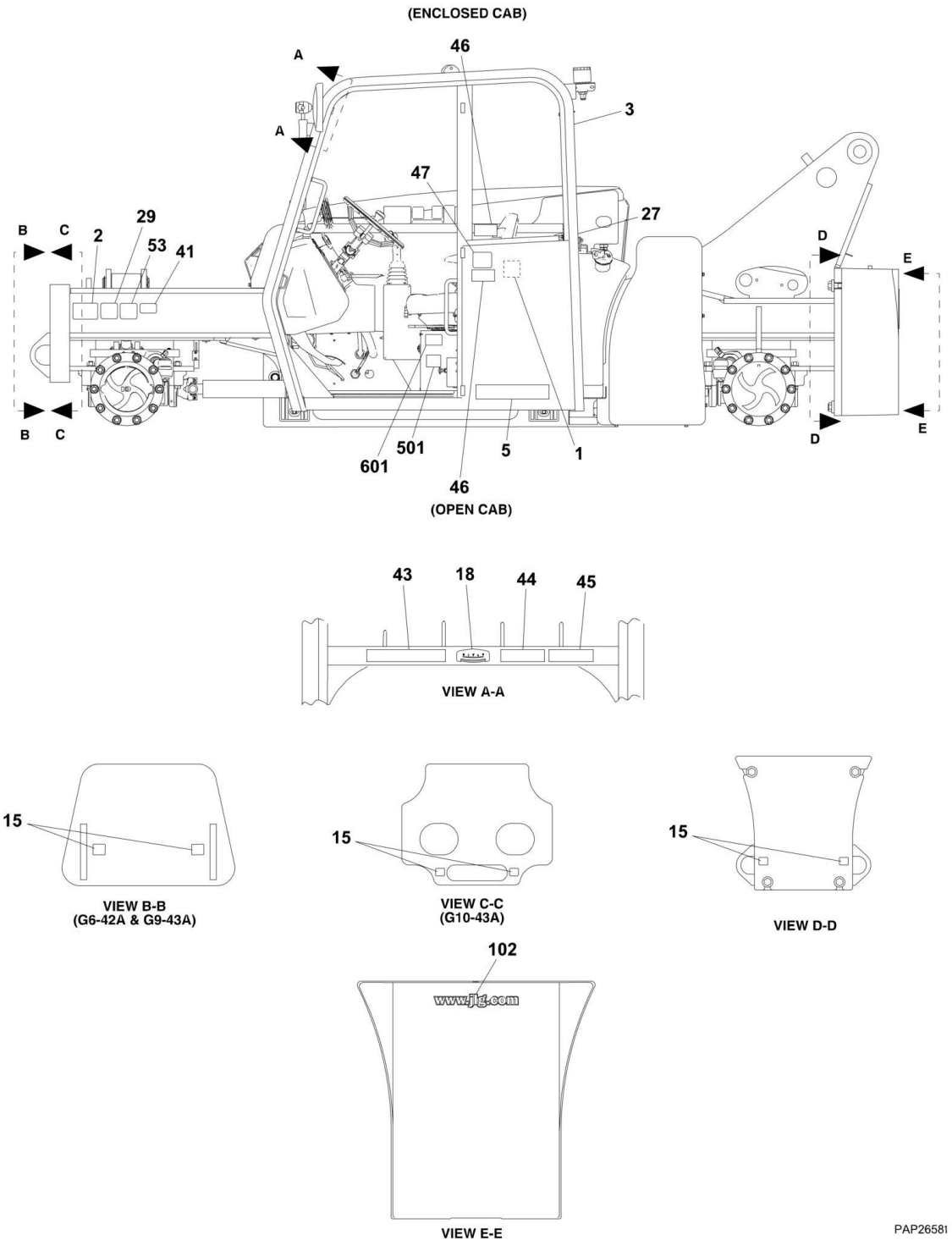
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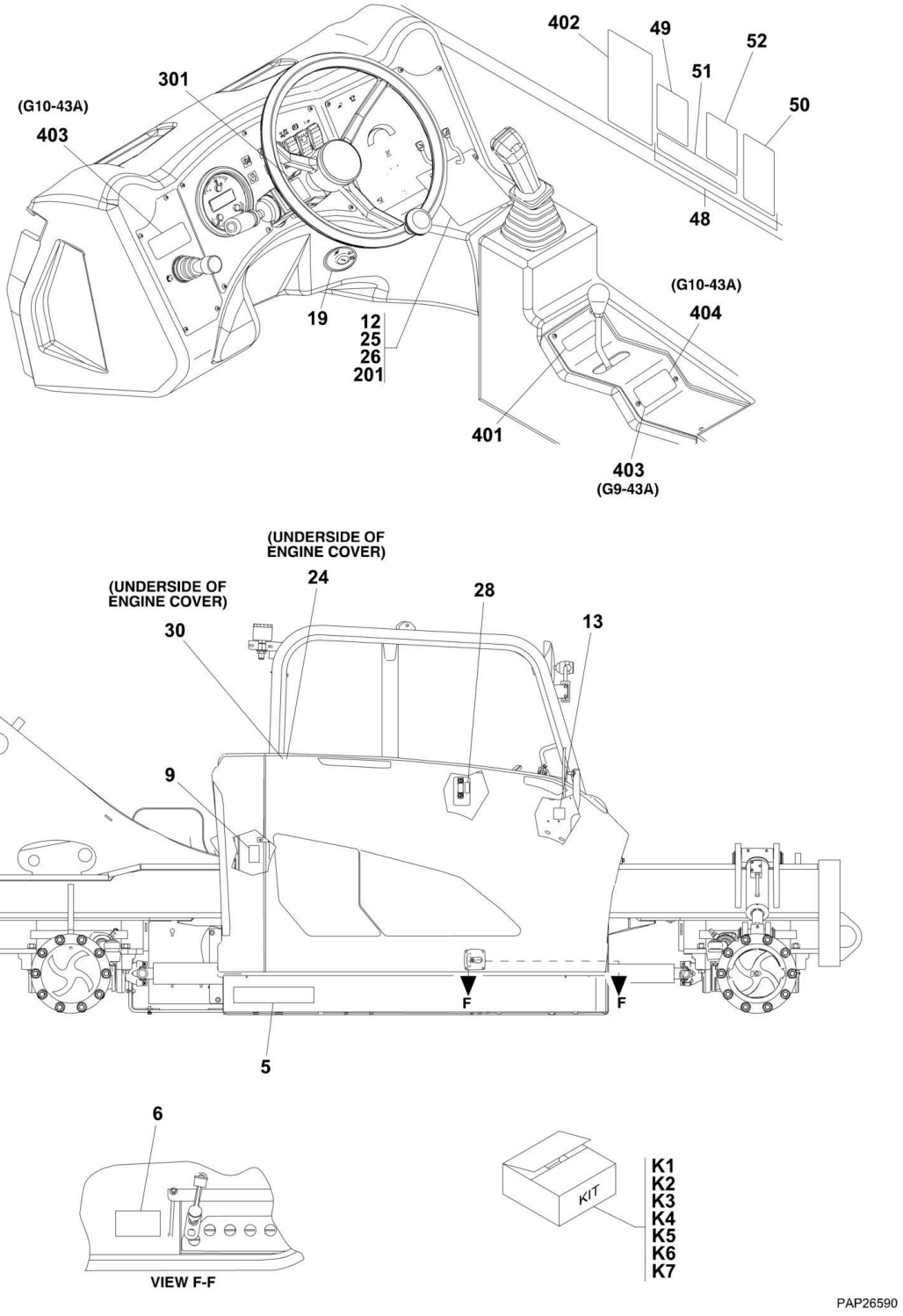
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SECTION 11 - DECALS

FIGURE 11-1. CAB AND FRAME DECALS



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SECTION 11 - DECALS

FIGURE 11-1. CAB AND FRAME DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001139899	Ref	DECAL INSTALLATION, (G6-42A), (ANSI), (not available to order, See items 1 thru 53 on CAB AND FRAME DECALS and items on BOOM DECALS for service)	G
	1001139900	Ref	DECAL INSTALLATION, (G6-42A), (ISO), (not available to order, See items 1 thru 53 on CAB AND FRAME DECALS and items on BOOM DECALS for service)	H
	1001163586	Ref	DECAL INSTALLATION, (G6-42A), (ENGILISH\FRENCH), (not available to order, see items 1 thru 53 on CAB AND FRAME DECALS & all items on BOOM DECALS for services)	A
	1001139867	Ref	DECAL INSTALLATION, (G9-43A), (ANSI), (not available to order, See items 1 thru 53 on CAB AND FRAME DECALS and items on BOOM DECALS for service)	G
	1001139868	Ref	DECAL INSTALLATION, (G9-43A), (ISO), (not available to order, See items 1 thru 53 on CAB AND FRAME DECALS and items on BOOM DECALS for service)	H
	1001163581	Ref	DECAL INSTALLATION, (G9-43A), (ENGILISH\FRENCH), (not available to order, see items 1 thru 53 on CAB AND FRAME DECALS & all items on BOOM DECALS for services)	A
	1001139869	Ref	DECAL INSTALLATION, (G10-43A), (ANSI), (not available to order, See items 1 thru 53 on CAB AND FRAME DECALS and items on BOOM DECALS for service)	G
	1001139870	Ref	DECAL INSTALLATION, (G10-43A), (ISO), (not available to order, See items 1 thru 53 on CAB AND FRAME DECALS and items on BOOM DECALS for service)	H
	1001163582	Ref	DECAL INSTALLATION, (G10-43A), (ENGILISH\FRENCH), (not available to order, see items 1 thru 53 on CAB AND FRAME DECALS & all items on BOOM DECALS for services)	A
1	1701640	1	MANUAL DECAL	
2	N.S.S.	1	SN PLATE	
3	1706300	1	ETHER START WARNING DECAL, (ANSI)	
3	1706098	1	ETHER START WARNING DECAL, (ISO)	
3	1001163212	1	ETHER START WARNING DECAL, (ENGILISH\FRENCH)	
5	1706189	2	DECAL G6-42A	
5	1706188	2	DECAL G9-43A	
5	1001112770	2	DECAL G10-43A	
6	1706296	1	BATTERY DECAL, (ANSI)	
6	1706281	1	BATTERY DECAL, (ISO)	
6	1001163174	1	BATTERY DECAL, (ENGILISH\FRENCH)	
9	1706301	1	ROTATING PARTS DECAL, (ANSI)	
9	1706285	1	ROTATING PARTS DECAL, (ISO)	
9	1001163222	1	ROTATING PARTS DECAL, (ENGILISH\FRENCH)	
12	1001130920	1	MAINTENANCE CHART DECAL	
13	4100181	1	HYDRAULIC OIL FILL DECAL	
15	1702300	4	TIE DOWN DECAL	
18	8466306	1	TILT ANGLE GAUGE	
19	91413061	1	IGNITION SWITCH DECAL	
24	1001109053	1	COOLANT FILL DECAL	
25	1001130782	1	LUBRICATION CHART DECAL, (G6-42A & G9-43A)	
25	1001130792	1	LUBRICATION CHART DECAL, (G10-43A)	
26	1001130802	1	MAINTENANCE CHART DECAL	
27	1001125387	1	ULTRA LOW SULFUR FUEL DECAL, (ANSI)	
27	1001139654	1	ULTRA LOW SULFUR FUEL DECAL, (ISO)	
27	1001163355	1	ULTRA LOW SULFUR FUEL DECAL, (ENGILISH\FRENCH)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
28	91563220	1	OIL LEVEL DECAL	
29	1001131271	1	TELEHANDLERS PATENT DECAL	
30	1001139578	1	HOT FLUID WARNING DECAL, (ANSI)	
30	1001139942	1	HOT FLUID WARNING DECAL, (ISO)	
30	1001163323	1	HOT FLUID WARNING DECAL, (ENGILISH\FRENCH)	
41	1001143852	1	EXPORT DECAL, (ISO), (if equipped for LS)	
42	1001115208	1	CAB DECAL KIT, (ANSI), (includes items 43 thru 47), (not shown)	1
42	1001115209	1	CAB DECAL KIT, (ISO), (includes items 43 thru 47), (not shown)	B
42	1001163420	1	CAB DECAL KIT, (ENGILISH\FRENCH), (includes items 43 thru 47), (not shown)	A
43	1706306	1	TIP OVER DECAL, (ANSI)	
43	1706288	1	TIP OVER DECAL, (ISO)	
43	1001163285	1	TIP OVER DECAL, (ENGILISH\FRENCH)	
44	1706299	1	ELECTROCUTION HAZARD DECAL, (ANSI)	
44	1706284	1	ELECTROCUTION HAZARD DECAL, (ISO)	
44	1001163210	1	ELECTROCUTION HAZARD DECAL, (ENGILISH\FRENCH)	
45	1706850	1	CRUSH HAZARD WARNING DECAL, (ANSI)	
45	1001092877	1	CRUSH HAZARD WARNING DECAL, (ISO)	
45	1001163304	1	CRUSH HAZARD WARNING DECAL, (ENGILISH\FRENCH)	
46	1706768	1	NO RIDERS DECAL, (ANSI)	
46	1001092878	1	NO RIDERS DECAL, (ISO)	
46	1001163300	1	NO RIDERS DECAL, (ENGILISH\FRENCH)	
47	3251813	1	BUILT IN THE USA NAMEPLATE	
48	1001115205	1	RIGHT SIDE DASH DECAL KIT, (ANSI), (includes items 49 thru 52)	1
48	1001115206	1	RIGHT SIDE DASH DECAL KIT, (ISO), (includes items 49 thru 52)	1
48	1001163422	1	RIGHT SIDE DASH DECAL KIT, (ENGILISH\FRENCH), (includes items 49 thru 52)	A
49	1706851	1	DO NOT JUMP WARNING DECAL, (ANSI)	
49	1706283	1	DO NOT JUMP WARNING DECAL, (ISO)	
49	1001163321	1	DO NOT JUMP WARNING DECAL, (ENGILISH\FRENCH)	
50	1706304	1	RUN OVER DECAL, (ANSI)	
50	1706293	1	RUN OVER DECAL, (ISO)	
50	1001163276	1	RUN OVER DECAL, (ENGILISH\FRENCH)	
51	1706303	1	READ MANUAL DECAL, (ANSI)	
51	1706287	1	READ MANUAL DECAL, (ISO)	
51	1001163273	1	READ MANUAL DECAL, (ENGILISH\FRENCH)	
52	1706767	1	MACHINE ROLL DECAL, (ANSI)	
52	1706289	1	MACHINE ROLL DECAL, (ISO)	
52	1001163291	1	MACHINE ROLL DECAL, (ENGILISH\FRENCH)	
53	1702631	1	BAR CODE ASSY DECAL	
102	1704885	1	WEBSITE DECAL	
201	1001130793	1	CAPACITY CHART BOOKLET, (G6-42A), (ANSI)	B
201	1001130739	1	OPTIONAL CAPACITY CHART BOOKLET, (G6-42A), (ANSI)	B
201	1001131185	1	CAPACITY CHART BOOKLET, (G6-42A), (ISO)	B
201	1001130743	1	OPTIONAL CAPACITY CHART BOOKLET, (G6-42A), (ISO)	B
201	1001130663	1	CAPACITY CHART BOOKLET, (G9-43A), (ANSI)	B
201	1001130708	1	OPTIONAL CAPACITY CHART BOOKLET, (G9-43A), (ANSI)	B
201	1001130825	1	CAPACITY CHART BOOKLET, (G9-43A), (ISO)	B
201	1001130818	1	OPTIONAL CAPACITY CHART BOOKLET, (G9-43A), (ISO)	B
201	1001130935	1	CAPACITY CHART BOOKLET, (G10-43A), (ANSI)	B
201	1001130844	1	OPTIONAL CAPACITY CHART BOOKLET, (G10-43A), (ANSI)	B

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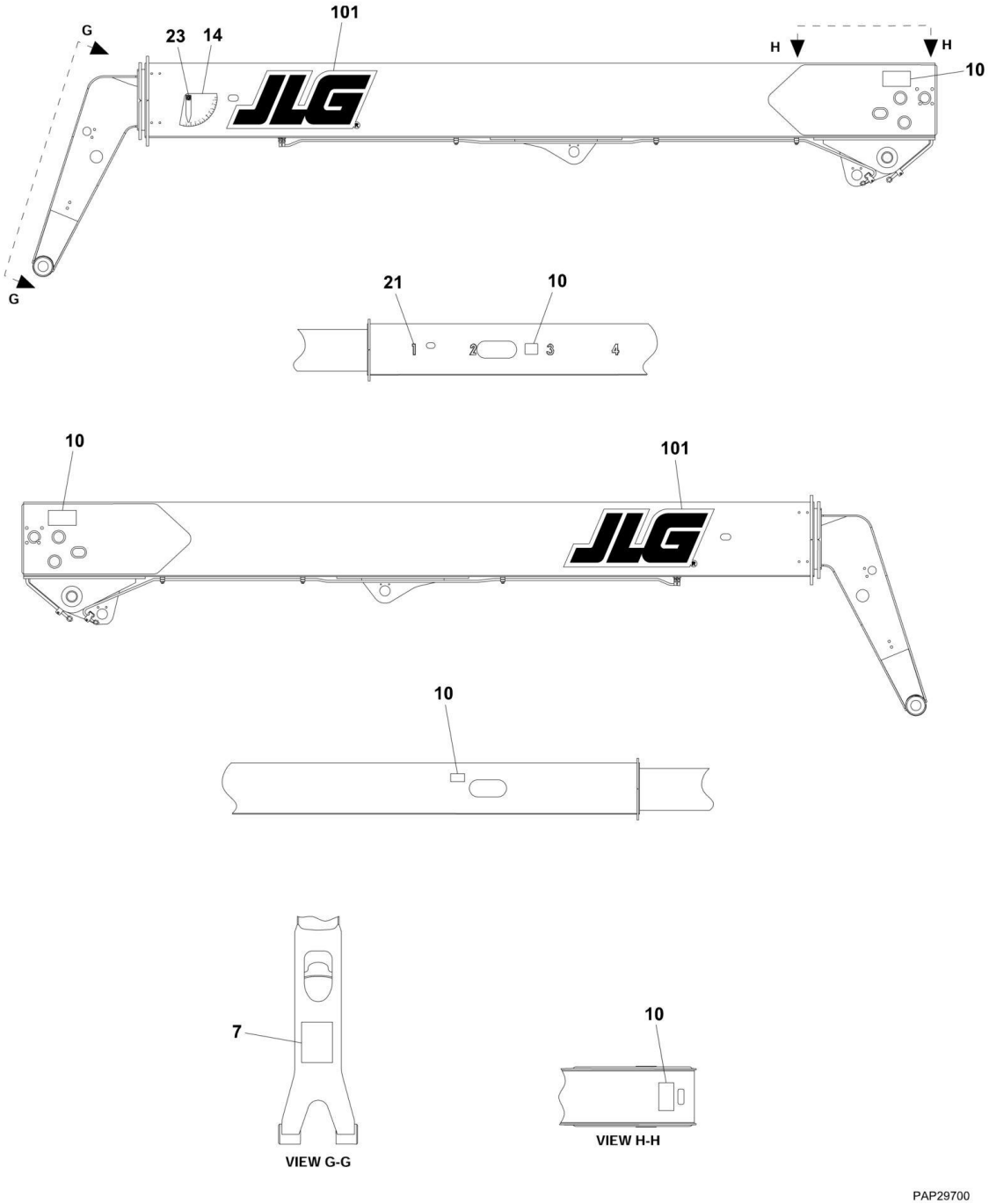
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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
201	1001132131	1	CAPACITY CHART BOOKLET, (G10-43A), (ISO)	C
201	1001130852	1	OPTIONAL CAPACITY CHART BOOKLET, (G10-43A), (ISO)	B
301	91163028	1	SHIFTER DECAL	
401	1001108836	1	TILT/FRAME LEVEL DECAL, (G6-42A & G9-43A, if equipped)	
401	1001108847	1	FRAME LEVEL DECAL, (G6-42A & G9-43A, if equipped with tilt on joystick), (G10-43A)	
402	1001109459	1	JOYSTICK DECAL, (G6-42A & G9-43A, if equipped)	
402	1001131745	1	JOYSTICK DECAL, (G6-42A, if equipped with tilt on joystick)	
402	1001109458	1	JOYSTICK DECAL, (G9-43A, if equipped with tilt on joystick), (G10-43A)	
403	1001131509	1	AUXILIARY HYDRAULIC DECAL, (G9-43A & G10-43A)	
404	1001111229	1	OUTRIGGERS DECAL, (G10-43A)	
501	91503112	1	AUXILIARY HYDRAULIC DE-PRESSURIZATION DECAL, (G9-43A, if equipped), (G10-43A)	
601	1001103956	1	A/C TEMPERATURE DECAL, (if equipped)	
K1	91515073	1	NES DECAL KIT	
K2	91475063	1	SUN BELT DECAL KIT	
K3	91515055	1	UNITED RENTALS DECAL KIT	
K4	91515074	1	H AND E DECAL KIT	
K5	1001094529	1	RSC DECAL KIT, (G6-42A & G9-43A)	
K6	1001128553	1	HERTZ DECAL KIT, (G6-42A & G9-43A)	
K7	1001141458	1	LEAVITT DECAL KIT, (G9-43A & G10-43A)	

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FIGURE 11-2. BOOM DECALS



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FIGURE 11-2. BOOM DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001139899	Ref	DECAL INSTALLATION, (G6-42A), (ANSI), (not available to order, See items 7 thru 21 on BOOM DECALS and items on CAB AND FRAME DECALS for service)	G
	1001139900	Ref	DECAL INSTALLATION, (G6-42A), (ISO), (not available to order, See items 7 thru 21 on BOOM DECALS and items on CAB AND FRAME DECALS for service)	H
	1001163586	Ref	DECAL INSTALLATION, (G6-42A), (ENGILISH\FRENCH), (not available to order, see items 1 thru 53 on CAB AND FRAME DECALS & all items on BOOM DECALS for services)	A
	1001139867	Ref	DECAL INSTALLATION, (G9-43A), (ANSI), (not available to order, See items 7 thru 21 on BOOM DECALS and items on CAB AND FRAME DECALS for service)	G
	1001139868	Ref	DECAL INSTALLATION, (G9-43A), (ISO), (not available to order, See items 7 thru 21 on BOOM DECALS and items on CAB AND FRAME DECALS for service)	H
	1001163581	Ref	DECAL INSTALLATION, (G9-43A), (ENGILISH\FRENCH), (not available to order, see items 1 thru 53 on CAB AND FRAME DECALS & all items on BOOM DECALS for services)	A
	1001139869	Ref	DECAL INSTALLATION, (G10-43A), (ANSI), (not available to order, See items 7 thru 21 on BOOM DECALS and items on CAB AND FRAME DECALS for service)	G
	1001139870	Ref	DECAL INSTALLATION, (G10-43A), (ISO), (not available to order, See items 7 thru 21 on BOOM DECALS and items on CAB AND FRAME DECALS for service)	H
	1001163582	Ref	DECAL INSTALLATION, (G10-43A), (ENGILISH\FRENCH), (not available to order, see items 1 thru 53 on CAB AND FRAME DECALS & all items on BOOM DECALS for services)	A
7	1706298	1	CARRY PERSONNEL DECAL, (ANSI)	
7	1706282	1	CARRY PERSONNEL DECAL, (ISO)	
7	1001163206	1	CARRY PERSONAL DECAL, (ENGILISH\FRENCH)	
10	1706302	5	PINCH POINT DECAL, (ANSI)	
10	1706292	5	PINCH POINT DECAL, (ISO)	
10	1001163223	5	PINCH POINT DECAL, (ENGILISH\FRENCH)	
14	4105262	1	BOOM ANGLE INDICATOR DECAL	
21	91553072	1	BOOM NUMBERS DECAL	
23		Ref	BOOM ANGLE INDICATOR PLATE AND MOUNTING HARDWARE, (See BOOM SECTION for Breakdown)	
101	1705864	2	JLG DECAL	

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SECTION 12 - RECOMMENDED SPARE PARTS

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SECTION 12 - RECOMMENDED SPARE PARTS

FIGURE 12-1. RECOMMENDED SPARE PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	Note	Ref	**Note: 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**	
	1001101617	2	Tilt Cylinder Hose, (G6-42A)	
	1001103293	2	Tilt Cylinder Hose, (G9-43A & G10-43A)	
	1001112207	2	Boom Hose, (G6-42A)	
	1001102977	2	Boom Hose, (G9-43A & G10-43A)	
	3580347	1	Hose Pulley, (G6-42A)	
	3580346	1	Hose Pulley, (G9-43A & G10-43A)	
	91403530	10	Bearing Pad	
	91403531	4	Bearing Pad, (G6-42A)	
	91403531	2	Bearing Pad, (G9-43A & G10-43A)	
	91403532	4	Bearing Pad, (G6-42A)	
	91403532	6	Bearing Pad, (G9-43A & G10-43A)	
	91403533	2	Bearing Pad, (G6-42A)	
	1001117658	2	Bearing Pad, (G9-43A & G10-43A)	
	1001117654	4	Bearing Pad, (G6-42A)	
	1001117654	2	Bearing Pad, (G9-43A & G10-43A)	
	91513074	2	Bearing Pad, (G9-43A & G10-43A)	
	1001117656	6	Bearing Pad, (G9-43A & G10-43A)	
	91401215	AR	Shim, 0.0598	
	91401216	AR	Shim, 0.0359	
	91401453	AR	Shim, 0.0598, (G6-42A)	
	91401454	AR	Shim, 0.0359, (G6-42A)	
	91401456	AR	Shim, 0.0598	
	91401457	AR	Shim, 0.0359	
	91361049	AR	Shim, 0.0598, (G9-43A & G10-43A)	
	91511096	AR	Shim, 0.0359, (G9-43A & G10-43A)	
	91511098	AR	Shim, 0.0598, (G9-43A & G10-43A)	
	91511099	AR	Shim, 0.0359, (G9-43A & G10-43A)	
	91511101	AR	Shim, 0.0598, (G9-43A & G10-43A)	
	91511102	AR	Shim, 0.0359, (G9-43A & G10-43A)	
	91401191	2	Spacer, 0.1875, (G6-42A)	
	91401223	10	Spacer, 0.0598	
	91401224	4	Spacer, 0.0598, (G6-42A)	
	91401224	2	Spacer, 0.0598, (G9-43A & G10-43A)	
	91401225	4	Spacer, 0.0598, (G6-42A)	
	91401225	2	Spacer, 0.0598, (G9-43A & G10-43A)	
	91401226	2	Spacer, 0.0598, (G6-42A)	
	91401450	4	Spacer, 0.0598, (G6-42A)	
	91401450	2	Spacer, 0.0598, (G9-43A & G10-43A)	
	91401451	4	Spacer, 0.0598, (G6-42A)	
	91511094	4	Spacer, 0.0598, (G9-43A & G10-43A)	
	91511097	2	Spacer, 0.0598, (G9-43A & G10-43A)	
	91511100	8	Spacer, 0.0598, (G9-43A & G10-43A)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91403087	1	Bearing Pad, Push Beam, (G6-42A)	
	1001102974	1	Bearing Pad, Push Beam, (G9-43A & G10-43A)	
	1001105441	1	Quick Switch Lock Pin	
	2940074	1	Latch	
	88671027	4	Grease Fitting, (G6-42A)	
		Ref	**ENGINE**	
	70022846	1	Primary Fuel Filter, (if equipped for ULS)	
	70023812	1	Secondary Fuel Filter, (if equipped for ULS)	
	70024278	1	Oil Filter, (if equipped for ULS)	
	8036204	1	Oil Filter, (if equipped for LS)	
	70024177	1	Primary Air Filter, (if equipped for ULS)	
	70023535	1	Primary Air Filter, (if equipped for LS)	
	70024176	1	Safety Element, (if equipped for ULS)	
	70023536	1	Secondary Element, (if equipped for LS)	
	1001093641	1	Fuel Tank Cap, Non-Locking	
	1001102657	1	Fuel Tank Cap, Locking	
	1001129824	1	Fan, (if equipped for ULS)	
	1001138615	1	Fan, (if equipped for LS)	
	70024274	1	Fan Belt, (if equipped for ULS)	
	70024285	1	Fan Belt, (if equipped for LS)	
	70021854	1	Dipstick	
		Ref	**DRIVE TRAIN**	
	91563226	1	FNR Shifter	
	70023325	1	Accelerator Pedal Kit	
	7029908	1	Accelerator Sensor Kit	
	7028718	4	Wheel End Seal	
	91514111	4	Wheel End Bushing	
	7028721	2	Wheel Hub Seal, (G6-42A)	
	7029300	2	Wheel Hub Seal, (G9-43A & G10-43A)	
	8036433	4	Universal Joint Kit	
		Ref	**HYDRAULIC SYSTEM**	
	91403490	1	Boom Joystick Assy, (G6-42A), (if equipped)	
	91403491	1	Boom Joystick Assy With Tilt, (G6-42A), (if equipped)	
	91404010	1	Boom Joystick Handle Assy, (G6-42A), (if equipped)	
	91404325	1	Boom Joystick Handle With Wire and Connector, (G6-42A), (if equipped)	
	1001130050	1	Boom Joystick, (G9-43A), (if equipped)	
	1001130045	1	Boom Joystick With Tilt, (G9-43A, if equipped), (G10-43A)	
	70022061	1	Lift Cylinder Seal Kit, (G9-43A & G10-43A)	
	70021775	1	Extend/Retract Cylinder Seal Kit, (G6-42A)	
	70022858	1	Extend/Retract Cylinder Seal Kit, (G9-43A & G10-43A)	
	70021764	1	Tilt Cylinder Seal Kit, (G6-42A)	
	91514281	1	Tilt Cylinder Seal Kit, (G9-43A & G10-43A)	
	7029821	1	Compensation Cylinder Seal Kit, (G6-42A)	
	70024012	1	Compensation Cylinder Seal Kit, (G9-43A & G10-43A)	
	70021633	1	Frame Level Cylinder Seal Kit, (G6-42A)	
	70022864	1	Frame Level Cylinder Seal Kit, (G9-43A & G10-43A)	
	70023899	2	Outrigger Cylinder Seal Kit, (G10-43A)	
	70024152	1	Tank Filter Kit	
	1340021	1	Breather	
	70024153	1	Sight Gauge	
	70022041	1	Side Tilt Carriage Cylinder Seal Kit	

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SECTION 12 - RECOMMENDED SPARE PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2915023	1	90, Swing Carriage Cylinder Seal Kit	
	70021452	1	Grapple Bucket Cylinder Seal Kit	
		Ref	**ELECTRICAL**	
	1001147072	1	Oil Temperature Switch, (if equipped for ULS)	
	91563121	1	Oil Temperature Switch, (if equipped for LS)	
	1001148837	1	Fuel Level Sender	
	91033317	1	Ignition Switch	
	70024276	1	Alternator, (if equipped for ULS)	
	70021849	1	Alternator, (if equipped for LS)	
	70024277	1	Starter, (if equipped for ULS)	
	70021850	1	Starter, (if equipped for LS)	
	91143357	1	Horn	
		Ref	**MISC.**	
	77384578	1	Ignition Key	
	80964051	1	Cab Door Key	
	80904003	1	Hydraulic Test Kit	
	24604083	1	ORS O-Ring Kit	
	90214009	1	O-Ring Kit	
	31200744	1	Operation and Safety Manual	
	31200792	1	Service Manual	
		Ref	**SPECIAL TOOLS**	
	70021968	1	Indicator Plate, Dana Axle, (G6-42A)	
	70021969	1	Pinion Gauge, Dana Axle, (G6-42A)	
	70021970	1	Pinion Gauge, Dana Axle, (G6-42A)	
	70021975	1	Gauge, T11, Dana Axle, (G9-43A & G10-43A)	
	2901443	1	Analyzer Kit, (includes cable), (G9-43A & G10-43A)	
	1060633	1	Analyzer Cable, (G9-43A & G10-43A)	

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