SKYTRAK®

Illustrated Parts Manual

Models
8042
10042
10054

SN 0160045250 through 0160069718 including 0160042754, 0160042762, 0160042877, 0160042911, 0160043185, 0160043220 & 0160043244 excluding 0160045255, 0160065791, 016005796, 0160065825, 0160065826, 0160069336, 0160069359, 0160069441, 0160069566, 0160069567 & 0160069568

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March 1, 2022 - Rev Q

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EFFECTIVITY PAGE

April 4, 2012 - A - Original Issue of Manual

August 17, 2012 - B - Revised Manual

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March 28, 2014 - F - Revised Manual

September 15, 2014 - G - Revised Manual

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March 3, 2016 - J - Revised Manual

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April 7, 2017 - L - Revised Manual

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April 17, 2018 - O - Revised Rev 1

May 20, 2021 - P Revised Manual

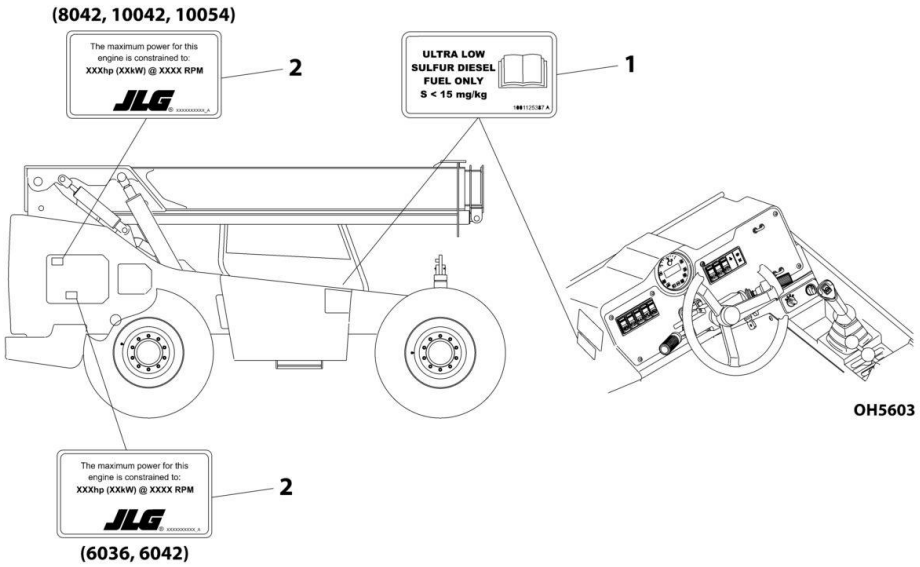
March 1, 2022 - Q Revised Manual

Machine Configuration

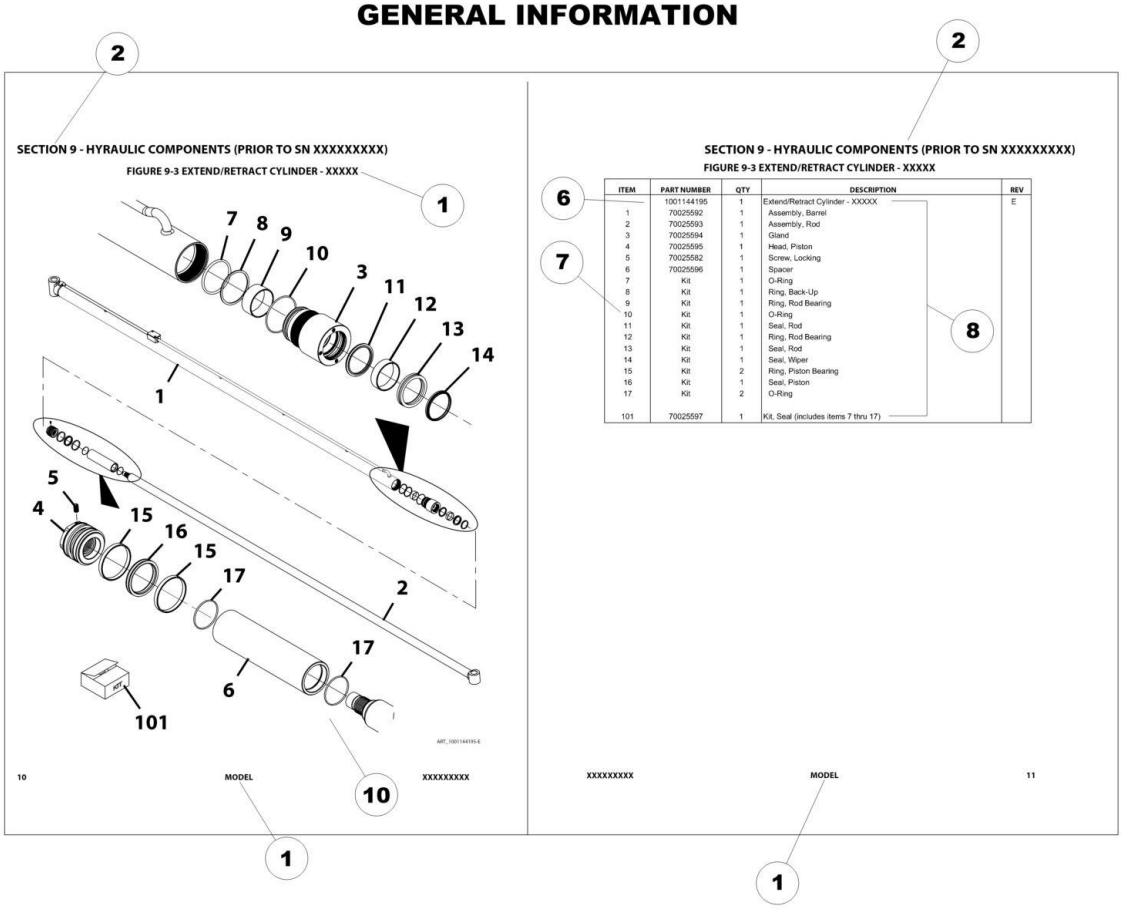
Two configurations of each machine are included in this manual. Determine if machine is equipped with Ultra Sulfer Fuel Decal (1) as indicated below.

- **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.**

Engine horsepower can be found on the decals (2) located inside the engine compartment doors.



GENERAL INFORMATION



ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001144195	1	Extend/Retract Cylinder - XXXXX	E
1	70025592	1	Assembly, Barrel	
2	70025593	1	Assembly, Rod	
3	70025594	1	Gland	
4	70025595	1	Head, Piston	
5	70025582	1	Screw, Locking	
6	70025596	1	Spacer	
7	Kit	1	O-Ring	
8	Kit	1	Ring, Back-Up	
9	Kit	1	Ring, Rod Bearing	
10	Kit	1	O-Ring	
11	Kit	1	Seal, Rod	
12	Kit	1	Ring, Rod Bearing	
13	Kit	1	Seal, Rod	
14	Kit	1	Seal, Wiper	
15	Kit	2	Ring, Piston Bearing	
16	Kit	1	Seal, Piston	
17	Kit	2	O-Ring	
101	70025597	1	Kit, Seal (includes items 7 thru 17)	

1) MACHINE IDENTIFICATION
Machines are identified by model and in some cases a combination of models, serial number (SN) or regional standard (e.g. ANSI, CE, CSA, AUS). Components may also be identified by SN or manufacturer. Common components that may be identified by these characteristics are attachments, engine, transmission and hydraulic components.

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

3) TABLE OF CONTENTS (NOT SHOWN)
A table of contents (TOC) is found toward the beginning of the manual. Figure number, description and page number are provided for quick reference to the page containing the related information.

4) RECOMMENDED SPARE PARTS (NOT SHOWN)
The Recommended Spare Parts List, located near the end of the manual, reference most frequently used maintenanceparts.

5) PART NUMBER INDEX (NOT SHOWN)
A numerical index listing all part numbers and 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 and installations there will be a Ref in the QTY column and 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 and are not shown in the illustration(s) are not used on that page.

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

9) ABBREVIATION AND SYMBOLS

AC.....Alternating Current
A/C.....Air Conditioning
ADE.....Advanced Design Electronincs
AG.....Agriculture
AMP.....Amperage
ANSI..... American National Standards Institute
AR.....As Required
ASSY..... Assembly
AUS.....Australia
AUX.....Auxiliary
AWG.....American Wire Gauge
CAC..... Charge Air Cooler
CE.....European Conformity
CM.....Centimeter
CONST.....Construction
CSA.....Canadian Standards Association
DEF.....Diesel Exhaust Fluid
DIA..... Diameter
DC.....Direct Current
DTZ..... Decentralized Transmission Zeros
ECU.....Electronic Control Unit
EMS.....Emergency Stop
FNR.....Forward Neutral Reverse
FT.....Foot
GA.....Gauge
GR.....Grade
HBP.....High Boom Pivot
HHP..... High Horse Power
HOC..... Hydraulic Oil Cooler
HRC.....High Rated Countries
HVAC.....Heating Ventilating, and Air Conditioning
ID.....Inside Diameter
IN .....Inch
ISO.....International Organization for Standards
ITSDF.... Industrial Truck Standards Development Foundation
JIC.....Joint Industry Council
KG..... Kilogram
KW.....Kilowatt
L..... Liter
LB..... Pound
LBP.....Low Boom Pivot
LCD..... Liquid Crystal Display
LED..... Light Emitting Diode
LH.....Left Hand
LHD..... Left Hand Drive
LHP.....Low Horse Power
LMIS.....Load Management Indicator System
LRC.....Low Rated Countries
LS.....Low Sulfur
LSI..... Load Stability Indicator
LSS..... Load Sensing System
M^3 .....Cubic Meter
MA.....Milliamp
M(m)..... Metric/Meter
MM .....Millimeter
N.....Newton
NACD.....North America Construction Division
NLA.....No Longer Available
NSS.....Not Sold Separately
OD..... Outside Diameter
ORB..... O-Ring Boss
ORFS.....O-Ring Face Seal
OZ.....Ounce
PR..... Ply Rating
QT.....Quart
QTY.....Quantity
REF.....Reference
REV.....Revision
RH.....Right Hand
RHD.....Right Hand Drive
RHCO..... Remote Hydraulic Oil Cooler
RUS.....Russia
SAE.....Society of Automotive Engineers
SAHR.....Spring Applied Hydraulically Released
SN..... Serial Number
SPD.....Speed
TLU.....Torque Look Up
UGM.....Universal Ground Module
V.....Volts
W.....Watts
#.....Number

10) ILLUSTRATION REFERANCE 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 and 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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SECTION 1 - FRAME AND ATTACHING PARTS

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-1. FRAME AND ATTACHING PARTS

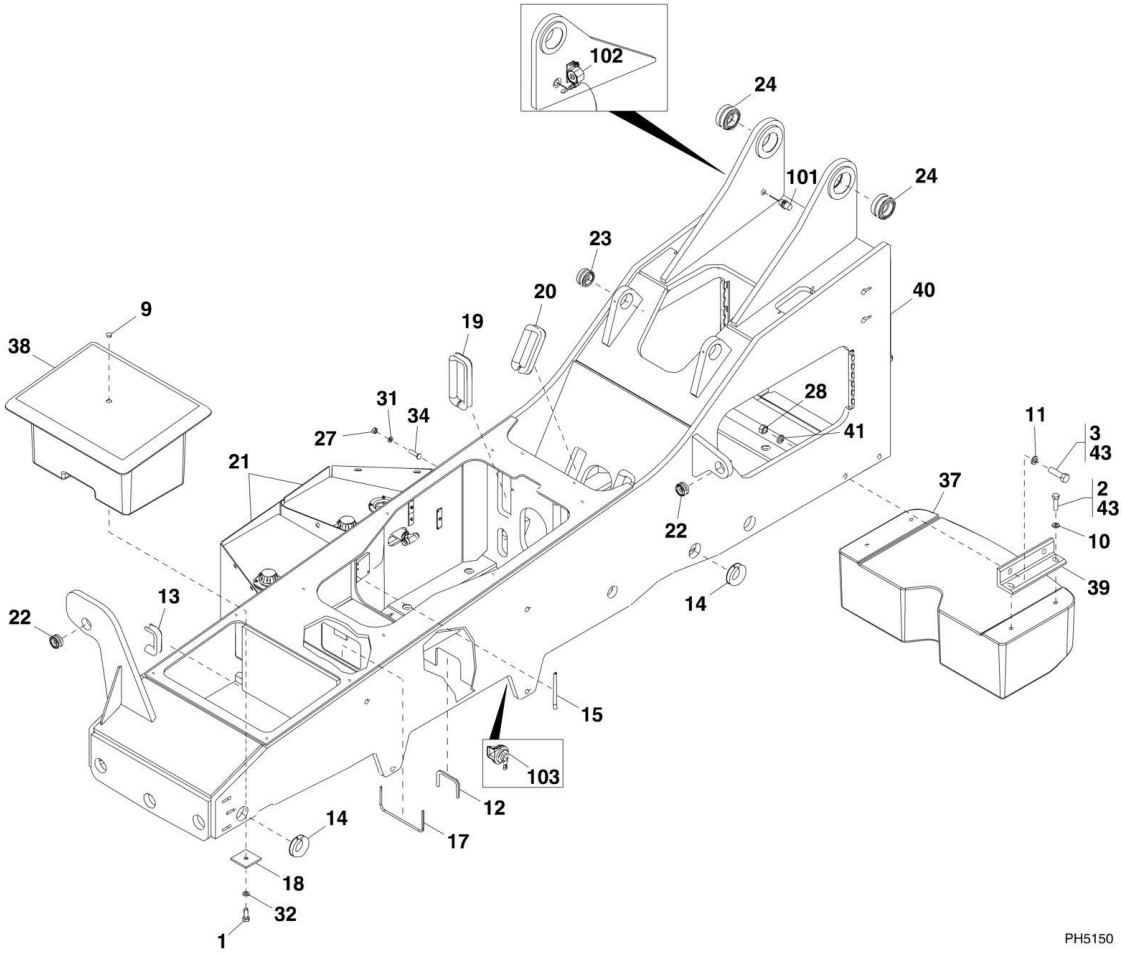


FIGURE 1-1. FRAME AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121283	Ref	FRAME INSTALLATION (not available to order, see items 1 thru 43 for service) (8042)	B
	1001121282	Ref	FRAME INSTALLATION (not available to order, see items 1 thru 43 for service) (10042,10054)	A
1	0642216	2	HEX HD CAPSCREW, 3/4-10X2 (8042)	
2	0642222	4	HEX HD CAPSCREW, 3/4-10X2-3/4	
3	0642628	4	HEX HD CAPSCREW, 1-8X3-1/2	
9	3520030	1	HOLE PLUG (8042)	
10	4892200	4	FLAT WASHER, 3/4	
11	4892600	4	FLAT WASHER, 1	
12	7124301	AR	CONDUIT, 1/2X15-1/2	
13	7124451	AR	CONDUIT, 1 IDX8	
14	7124471	AR	CONDUIT, 1 IDX12-1/2	
15	7125871	AR	CONDUIT, 1/2X8	
17	7138368	AR	CONDUIT, 1/4X2	
18	7139066	2	COUNTERWEIGHT HOLD DOWN PLATE (8042)	
19	7139156	AR	CONDUIT, 1 IDX28	
20	7139157	AR	CONDUIT, 1 IDX4	
21		Ref	FUEL/HYDRAULIC TANK ASSY, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
22	8050001	2	BEARING	
23	8065640	4	BEARING	
24	8065641	2	BEARING	
27	8305014	4	HEX NUT, 5/8-11	
28	8305021	4	HEX NUT, 1-8	
31	8307009	4	LOCKWASHER, 5/8	
32	8307010	2	LOCKWASHER, 3/4 (8042)	
34	8310129	4	CARRIAGE BOLT, 5/8-11X2-1/2	
37	1001094786	1	REAR COUNTERWEIGHT	
38	1001094787	1	FRONT COUNTERWEIGHT (8042)	
39	1001094877	2	COUNTERWEIGHT MOUNTING ANGLE	
40	N.S.S.	1	FRAME WELDMENT	
41	4762600	4	LOCKWASHER, 1	
43	0100019	AR	LOCTITE 271, (apply to items 2 & 3)	
101		Ref	BOOM SENSOR, (See ELECTRICAL SECTION for Breakdown)	
102		Ref	BACKUP ALARM, (See ELECTRICAL SECTION for Breakdown)	
103		Ref	HORN, (See ELECTRICAL SECTION for Breakdown)	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-2. COVERS (Prior to SN 0160053075, Excluding 0160050807, 0160050814 and 0160050815)

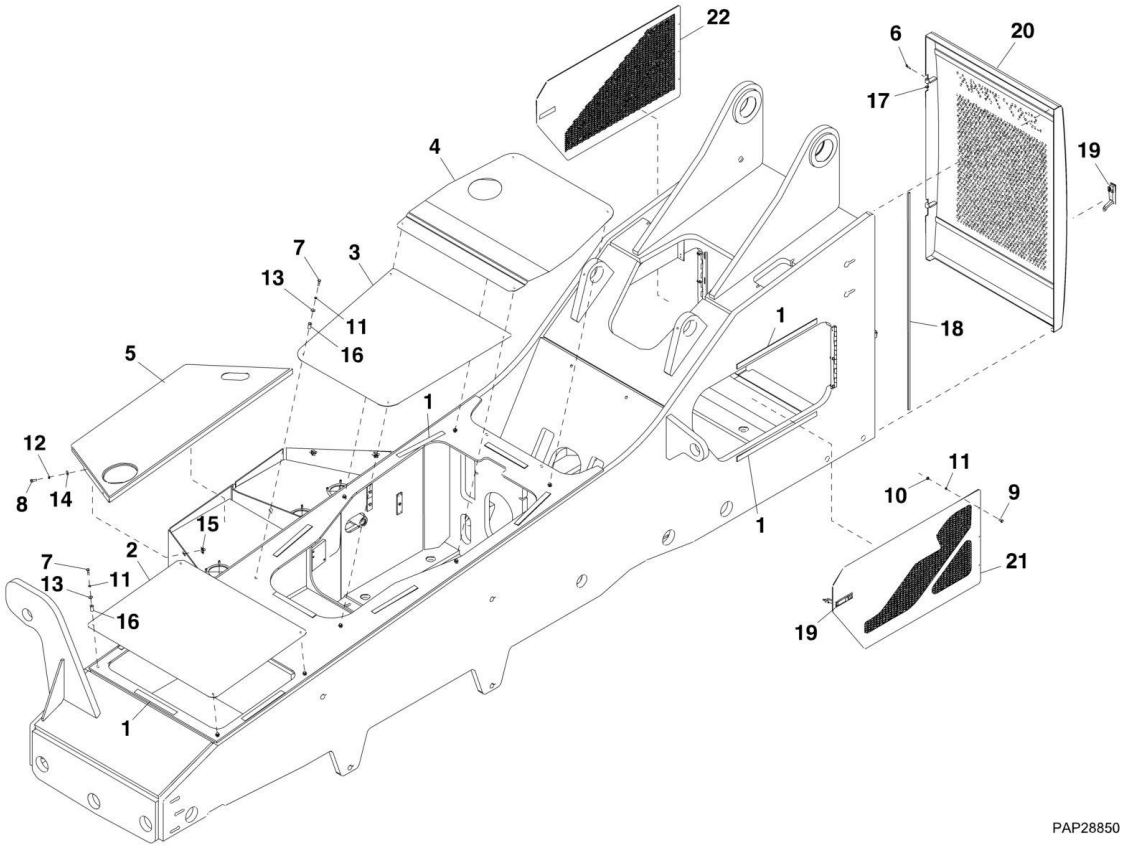


FIGURE 1-2. COVERS (Prior to SN 0160053075, Excluding 0160050807, 0160050814 and 0160050815)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117739	Ref	COVERS INSTALLATION (not available to order, see items 1 & 3 thru 22 for service) (8042)	D
	1001117738	Ref	COVER INSTALLATION (not available to order, see items 1 thru 22 for service) (10042,10054)	D
1	4420037	150 in	INSULATION TAPE (8042)	
1	4420037	190 in	INSULATION TAPE (10042,10054)	
2	7139047	1	COUNTERWEIGHT COVER (10042,10054)	
3	7139406	1	LOWER TRANSMISSION COVER	
4	7139407	1	UPPER TRANSMISSION COVER	
5	7150661	1	FUEL/HYDRAULIC TANK COVER	
6	8302470	2	COTTER PIN	
7	8303615	6	HEX HD CAPSCREW, 1/4-20X1-1/4, GR5 (8042)	
7	8303615	10	HEX HD CAPSCREW, 1/4-20X1-1/4, GR5 (10042,10054)	
8	8303656	4	HEX HD CAPSCREW, 5/16-18X7/8	
9	8303729	6	HEX HD CAPSCREW, 1/4-20X5/8	
10	8305004	6	HEX NUT, 1/4-20	
11	8307002	12	LOCKWASHER, 1/4 (8042)	
11	8307002	16	LOCKWASHER, 1/4 (10042,10054)	
12	8307004	4	LOCKWASHER, 5/16	
13	8307202	6	FLAT WASHER, 1/4 (8042)	
13	8307202	10	FLAT WASHER, 1/4 (10042,10054)	
14	8307203	4	FLAT WASHER, 5/16	
15	8310658	4	RETAINING NUT, 5/16	
16	8580420	6	WELL NUT (8042)	
16	8580420	10	WELL NUT (10042,10054)	
17	10732150	8	FLAT WASHER, M10	
18	90206196	47 in	PVC VINYL EDGE TRIM, 1/8	
19	1001131179	3	LATCH ASSY, WITH LOCK AND KEY	
20	1001131246	1	REAR DOOR COVER	
21	1001131861	1	SIDE DOOR PANEL	
22	1001131862	1	SIDE DOOR PANEL	

FIGURE 1-3. COVERS (SN 0160053075 to Present, Including 0160050807, 0160050814 and 0160050815)

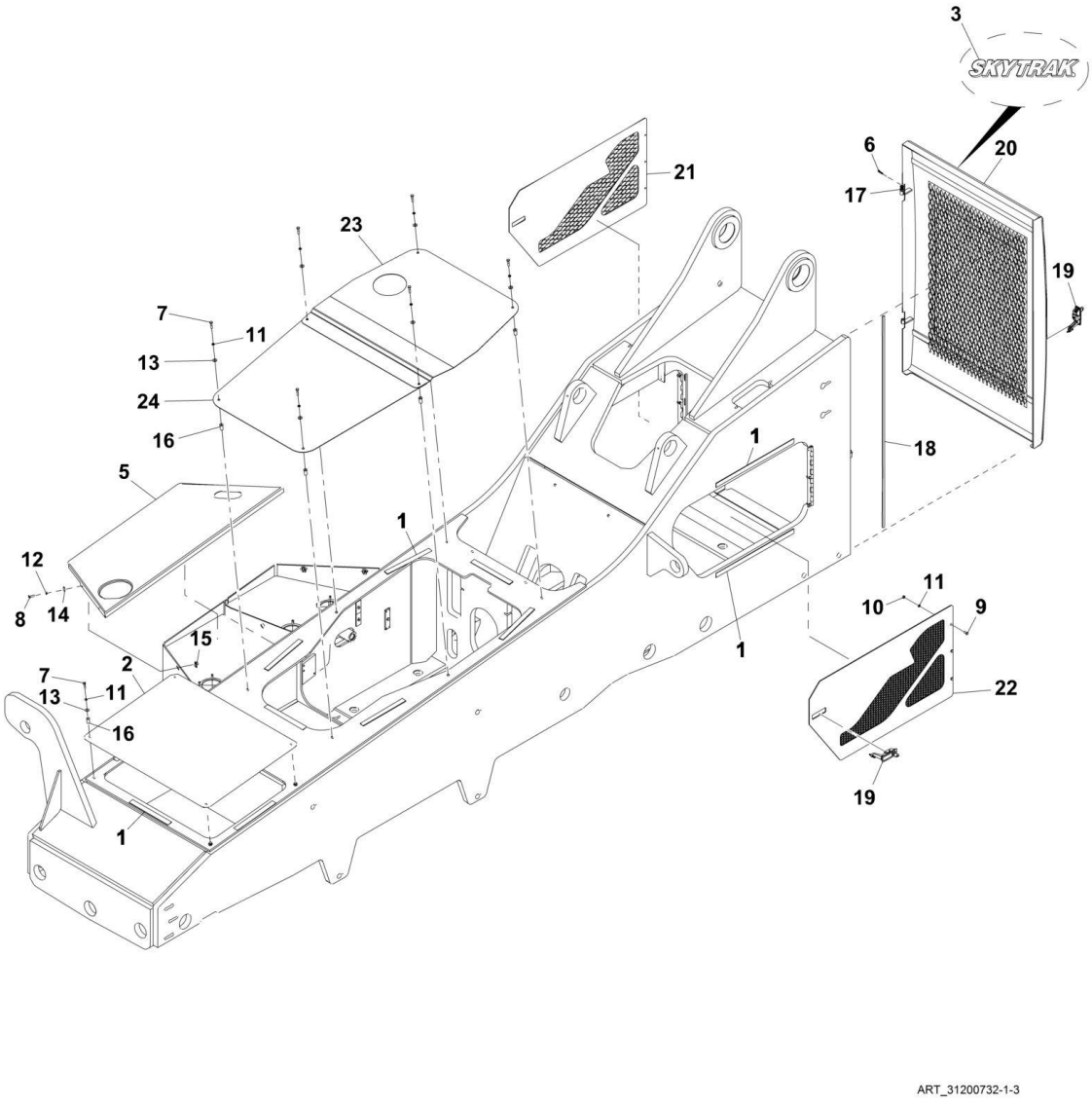


FIGURE 1-3. COVERS (SN 0160053075 to Present, Including 0160050807, 0160050814 and 0160050815)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152654	Ref	FRAME COVERS INSTALLATION (not available to order, see items 1 & 3 thru 22 for service) (8042)	D
	1001152653	Ref	FRAME COVERS INSTALLATION (not available to order, see items 1 thru 22 for service) (10042,10054)	D
1	4420037	150 in	INSULATION TAPE (8042)	
1	4420037	190 in	INSULATION TAPE (10042,10054)	
2	7139047	1	COUNTERWEIGHT COVER (10042,10054)	
3		Ref	REAR DOOR SKYTRAK DECAL, (See DECALS SECTION for Breakdown)	
5	1001150492	1	FUEL/HYDRAULIC TANK COVER	
6	8302470	2	COTTER PIN	
7	8303615	6	HEX HD CAPSCREW, 1/4-20X1-1/4, GR5 (8042)	
7	8303615	10	HEX HD CAPSCREW, 1/4-20X1-1/4, GR5 (10042,10054)	
8	8303656	3	HEX HD CAPSCREW, 5/16-18X7/8	
9	8303729	6	HEX HD CAPSCREW, 1/4-20X5/8	
10	8305004	6	HEX NUT, 1/4-20	
11	8307002	12	LOCKWASHER, 1/4 (8042)	
11	8307002	16	LOCKWASHER, 1/4 (10042,10054)	
12	8307004	3	LOCKWASHER, 5/16	
13	8307202	6	FLAT WASHER, 1/4 (8042)	
13	8307202	10	FLAT WASHER, 1/4 (10042,10054)	
14	8307203	3	FLAT WASHER, 5/16	
15	8310658	3	RETAINING NUT, 5/16	
16	8580420	6	WELL NUT (8042)	
16	8580420	10	WELL NUT (10042,10054)	
17	1001187887	4	FLAT WASHER, M10	
18	90206196	47 in	PVC VINYL EDGE TRIM, 1/8	
19	1001131179	Ref	LATCH ASSY WITH LOCK AND KEY, (not available to order, see 1001190341 for replacement)	
19	1001190341	3	LATCH ASSY WITH LOCK AND KEY	
19	8342808	AR	KEY SET	
20	1001150496	1	REAR ACCESS DOOR	
21	1001150741	1	SIDE DOOR PANEL	
22	1001150742	1	SIDE DOOR PANEL	
23	7139407	1	UPPER TRANSMISSION COVER	
24	7139406	1	LOWER TRANSMISSION COVER	

FIGURE 1-4. OUTRIGGER INSTALLATION (10042,10054)

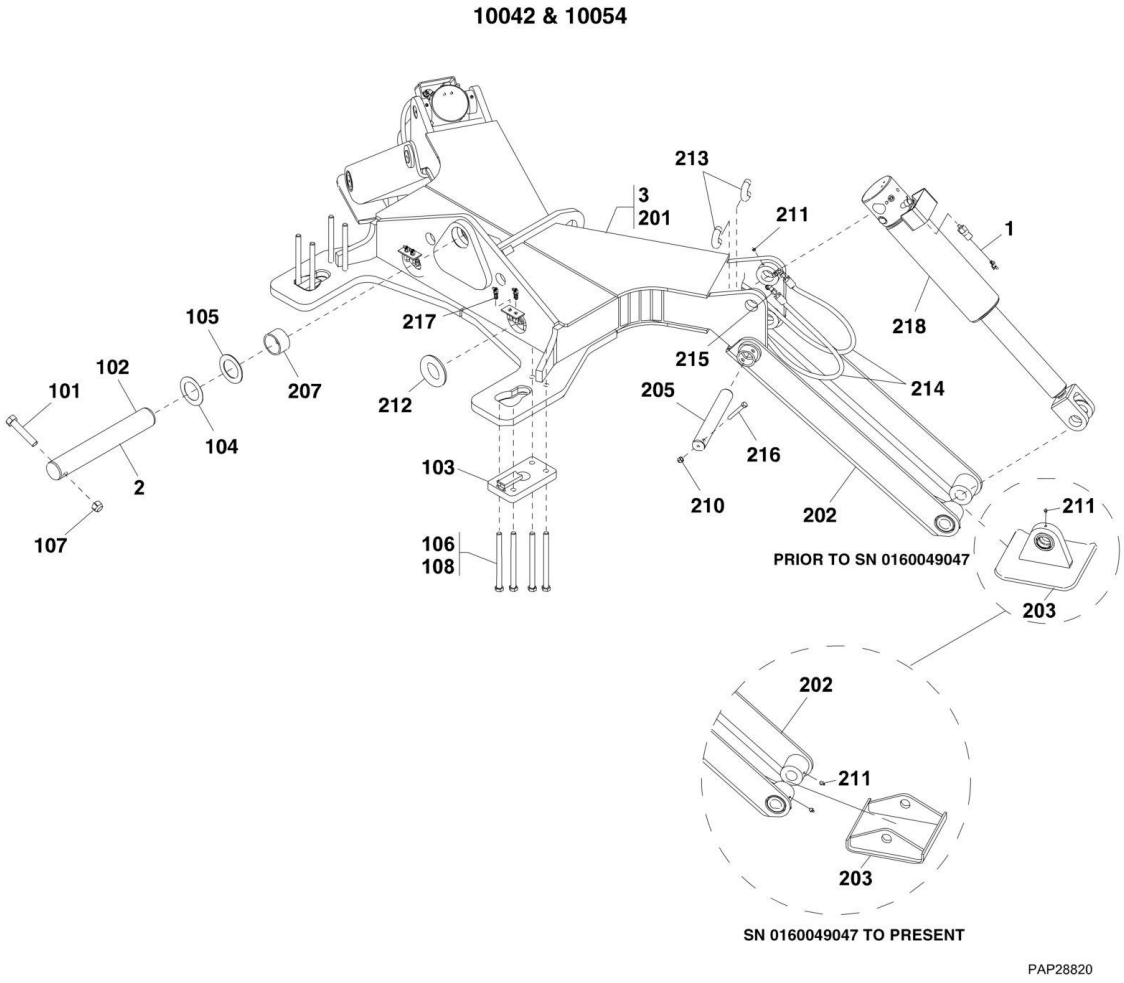


FIGURE 1-4. OUTRIGGER INSTALLATION (10042,10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001106344	Ref	OUTRIGGER INSTALLATION (not available to order, see items 2 & 3 for service) (10042) **(Prior to SN 0160049047)**	C
	1001147467	1	OUTRIGGER INSTALLATION (includes items 2 & 3) (10042) **(SN 0160049047 to Present)**	A
	1001106345	Ref	OUTRIGGER INSTALLATION (not available to order, see items 1 thru 3 for service) (10054) **(Prior to SN 0160049047)**	C
	1001147466	1	OUTRIGGER INSTALLATION (includes items 1 thru 3) (10054) **(SN 0160049047 to Present)**	A
1	8223536	2	PRESSURE SWITCH (10054)	
2	1001107689	Ref	OUTRIGGER MOUNTING INSTALLATION, (not available to order, see items 101 thru 108 for service)	B
3	1001107690	Ref	OUTRIGGER ASSY, (not available to order, see items 201 thru 218 for service) **(Prior to SN 0160049047)**	B
3	1001147477	1	OUTRIGGER ASSY, (includes items 201 thru 218) **(SN 0160049047 to Present)**	A
101	0642640	1	HEX HD CAPSCREW, 1-8X5, GR5	
102	3423248	1	AXLE PIVOT PIN	
103	1001107664	2	MOUNTING BRACKET	
104	8307912	AR	SHIM, 1/16	
105	8307913	AR	SHIM, 1/8	
106	8310475	8	HEX HD CAPSCREW, 3/4X10, GR8, (torque to 260 lb-ft/352 Nm)	
107	8310116	1	LOCKNUT, 1-8	
108	0100019	AR	LOCTITE 271, (apply to item 106)	
201	1001107692	1	OUTRIGGER FRAME	
202	7091373	2	OUTRIGGER LEG	
203	7090822	2	OUTRIGGER PAD **(Prior to SN 0160049047)**	
203	1001141892	2	PAD WELD STABILIZER **(SN 0160049047 to Present)**	
205	7090891	2	LEG PIVOT PIN	
207	8065063	1	BUSHING, 3 IDX2	
210	8305644	2	LOCKNUT, 1/2	
211	8520013	10	GREASE FITTING **(Prior to SN 0160049047)**	
211	8520013	12	GREASE FITTING **(SN 0160049047 to Present)**	
212	7124491	2	CONDUIT, 1 IDX15-1/2	
213	7125801	4	CONDUIT, 3/4 IDX4	
214		Ref	HOSE ASSY, (See HYDRAULIC CIRCUITS SECTION for Breakdown)	
215	2220473	4	ELBOW, 90, (includes o-ring)	
216	8303628	2	HEX HD CAPSCREW, 1/2X3-3/4, GR5	
217	8770189	4	BULKHEAD ELBOW, 45	
218		Ref	OUTRIGGER CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

SECTION 2 - BOOM

SECTION 2 - BOOM

FIGURE 2-1. BOOM INSTALLATION

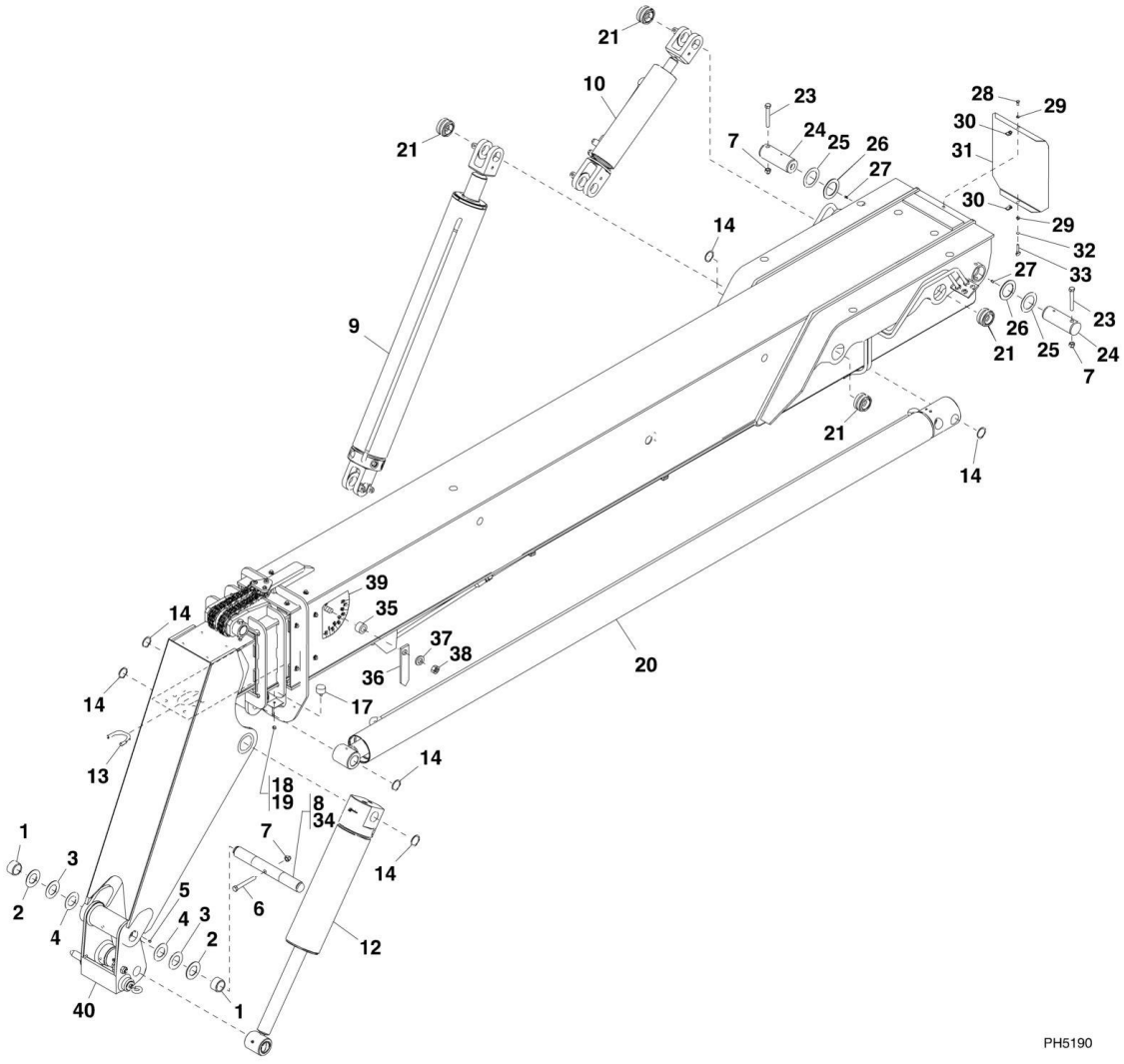


FIGURE 2-1. BOOM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7095312	2	QUICK ATTACH PIVOT BUSHING	
2	8307904	AR	SHIM WASHER	
3	8310093	AR	SHIM WASHER	
4	8307918	2	SHIM WASHER	
5	8520013	2	STRAIGHT LUBE FITTING, 1/8	
6	8303666	1	HEX HD CAPSCREW, 5/8-11X5, GR5	
7	8305643	3	HEX LOCKNUT, 5/8-11	
8	7095352	1	CARRIAGE PIVOT PIN	
9		Ref	LIFT CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
10		Ref	TILT COMPENSATION CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
12		Ref	ATTACHMENT TILT CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
13	7125811	1	CONDUIT	
14	8642224	6	RETAINING RING	
17	5724622	1	RUBBER BUMPER	
18	3311601	1	HEX LOCKNUT, 3/8-16	
19	8526007	AR	LOCTITE 242, (apply to item 18)	
20		Ref	EXTEND/RETRACT CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
21	8065640	4	BEARING	
23	8303655	2	HEX HD CAPSCREW, 5/8-11X4-1/2, GR5	
24	3423226	2	BOOM PIVOT PIN	
25	8307911	AR	SHIM WASHER	
26	8307910	AR	SHIM WASHER	
27	8520001	2	STRAIGHT LUBE FITTING, 1/8	
28	8303697	1	HEX HD CAPSCREW, 5/16-18X3/4	
29	8307106	2	PLAIN WASHER, 5/16	
30	8305906	2	RETAINER NUT, 5/16-18	
31	7116792	1	OUTER BOOM COVER	
32	8310431	1	LOCKWASHER, 5/16	
33	8310497	1	THUMB SCREW, 5/16-18X1-1/2	
34	8522012	AR	ANTI-SEIZE LUBE, (apply to item 8)	
35	1001096404	1	ANGLE INDICATOR SPACER	
36	1001098769	1	BOOM ANGLE INDICATOR PLATE	
37	4711600	1	FLAT WASHER, 3/8	
38	8305645	1	HEX LOCKNUT, 3/8-16, (torque to 12 lb-ft/16 Nm)	
39		Ref	BOOM ANGLE INDICATOR DECAL, (See DECALS SECTION for Breakdown)	
40		Ref	QUICK ATTACH, (See QUICK ATTACH for Breakdown)	

FIGURE 2-2. FIRST BOOM SECTION

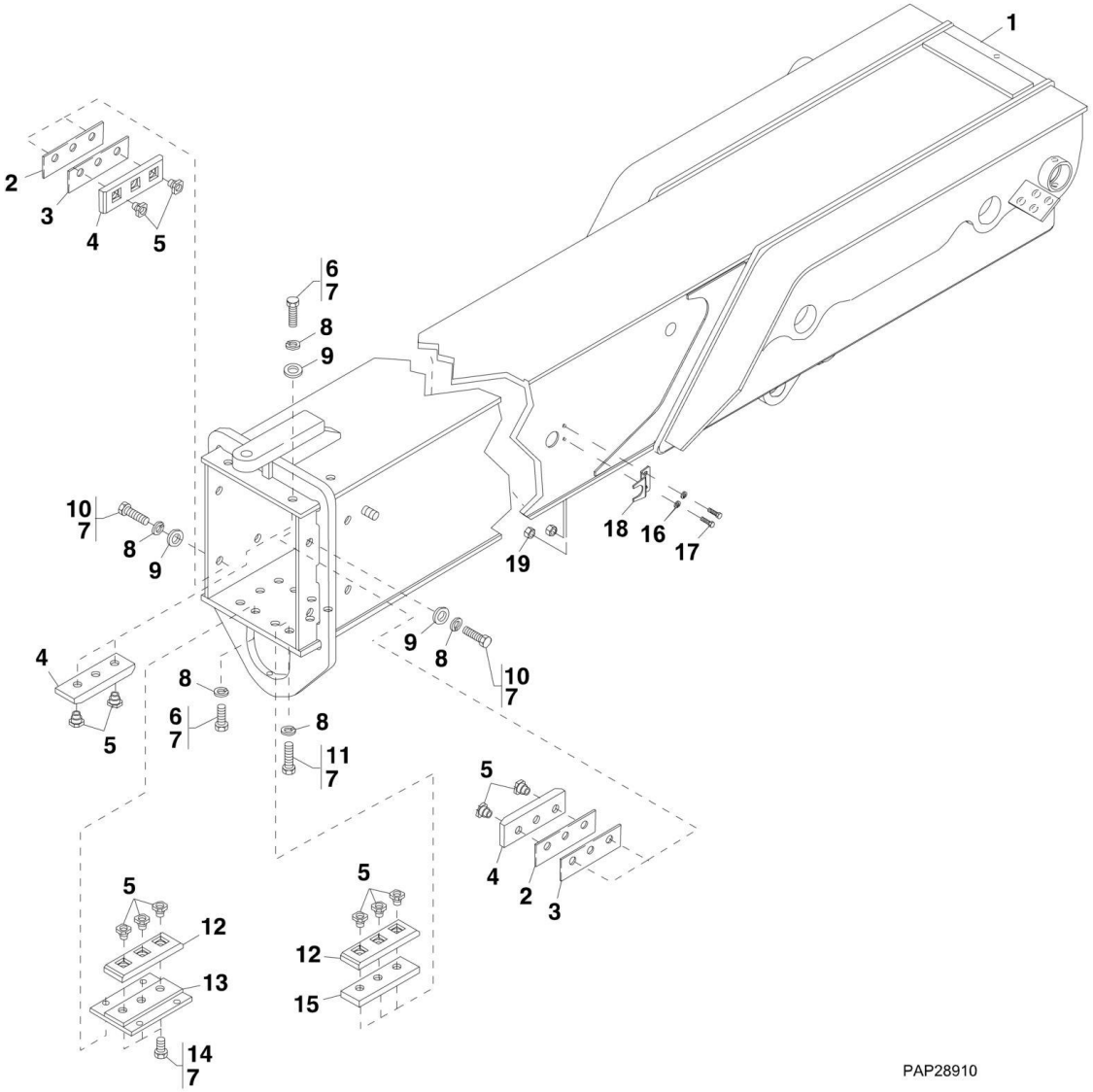


FIGURE 2-2. FIRST BOOM SECTION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7302010	1	FIRST BOOM SECTION	
2	7082342	AR	SHIM, WEAR PAD, 0.07	
3	7082362	AR	SHIM, WEAR PAD, 0.13	
4	7079572	6	WEAR PAD	
5	7082311	21	WEAR PAD INSERT	
6	8303620	10	HEX HD CAPSCREW, 3/8-16X1, (torque to 31 lb-ft/42 Nm)	
7	8526007	AR	LOCTITE 242, (apply to items 6, 10, 11 & 14)	
8	8307005	22	LOCKWASHER, 3/8	
9	8307204	12	PLAIN WASHER, 3/8	
10	8303681	8	HD HEX CAPSCREW, 3/8-16X3/4, (torque to 31 lb-ft/42 Nm)	
11	8303621	8	HEX HD CAPSCREW, 3/8-16X1-1/2, (torque to 31 lb-ft/42 Nm)	
12	7111572	3	WEAR PAD	
13	7096772	1	WEAR PAD SPACER	
14	8303041	3	HEX HD CAPSCREW, 3/8-16X1/2, (torque to 31 lb-ft/42 Nm)	
15	7096882	2	WEAR PAD SPACER	
16	8307005	2	LOCKWASHER, 3/8 (10054)	
17	8303738	2	HEX HD CAPSCREW, 3/8-16X7/8 (10054)	
18	7138468	1	CLIP (10054)	
19	8310113	2	NUT (10054)	
N1	Note	Ref	**USE LOCTITE 242 (0100011) ON ALL BOLT THREADS AND JAM NUTS.**	
N2	Note	Ref	**COAT STATIC, NON-ROTATING PIN BORES WITH MOLY-PASTE (3020040). DO NOT COAT THE PIN OR ANY ROTATING PARTS.**	
N3	Note	Ref	**COAT ALL BUSHINGS, SHEAVES AND ROTATING PIN BORES WITH MYSTIK TETRIMOLY GREASE (14404793) PRIOR TO INSTALLATION OF THE PIN.**	
N4	Note	Ref	**WEAR PAD SHIMMING:**	
N4		Ref	**A. WHENEVER A SHIM IS USED WITH A PAD, A SPACER WITH HOLES MUST BE INSERTED BETWEEN PAD AND SHIM.**	
N4		Ref	**B. THE WEAR PAD OR WEAR PAD INSERT MUST NOT SIT DIRECTLY ON THE SLOTTED SURFACE OF SHIMS.**	
N4		Ref	**C. 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.**	
N4		Ref	**D. 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.**	
N4		Ref	**E. THE LENGTH OF PAD BOLTS DEPENDS ON THE NUMBER OF SHIMS USED. THE BOLT CANNOT EXTEND PAST CHAMFER ON WEAR PAD.**	
N5	Note	Ref	**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.**	

FIGURE 2-3. SECOND BOOM SECTION (10042,8042)

8042/10042

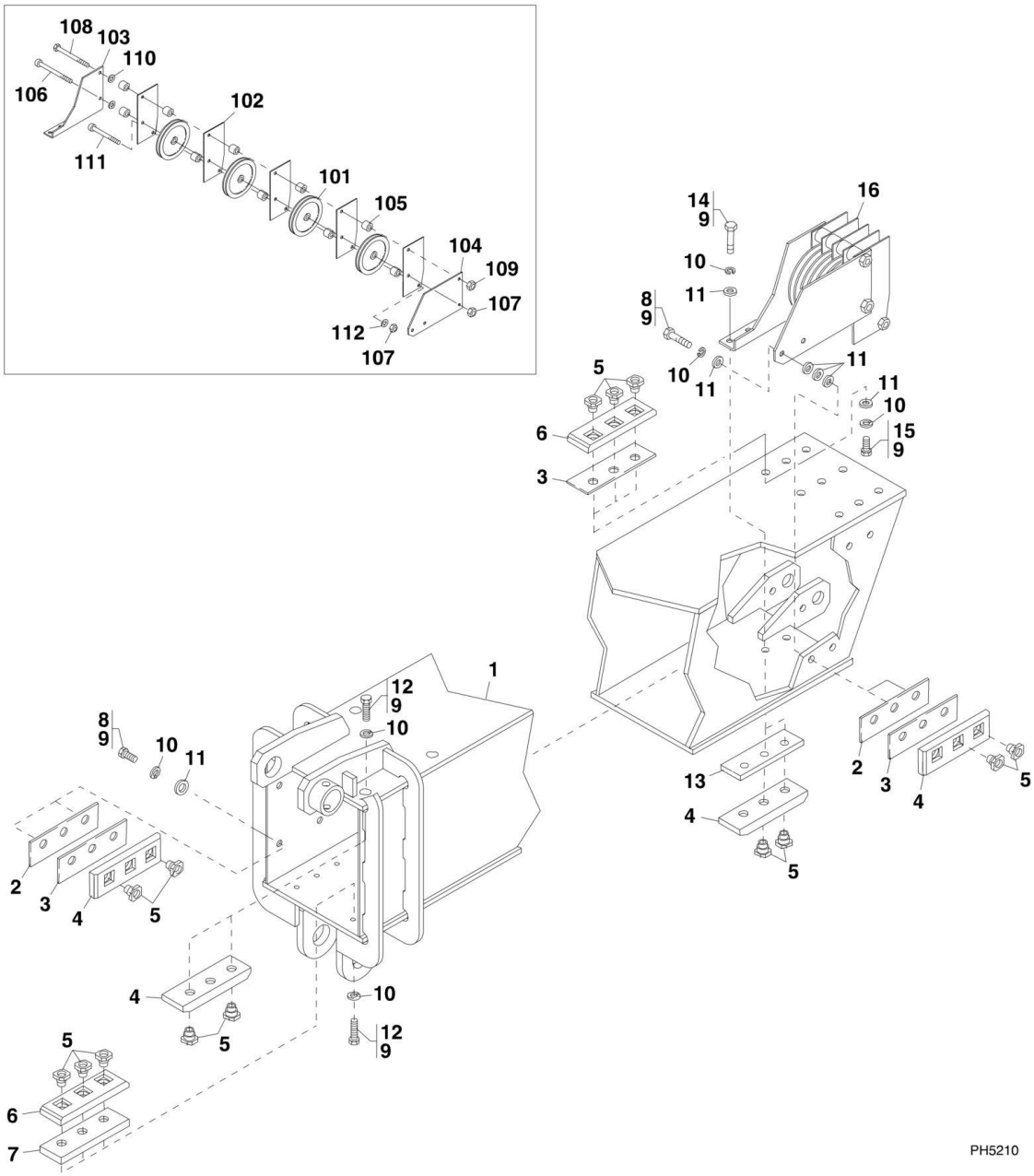


FIGURE 2-3. SECOND BOOM SECTION (10042,8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001098089	1	SECOND BOOM SECTION	
2	7082362	AR	SHIM, WEAR PAD, 0.13	
3	7082342	AR	SHIM, WEAR PAD, 0.07	
4	7079572	11	WEAR PAD	
5	7082311	37	WEAR PAD INSERT	
6	7111572	5	WEAR PAD	
7	7096882	2	WEAR PAD SPACER, 0.62	
8	8303681	16	HEX HD CAPSCREW, 3/8-16X3/4, (torque to 31 lb-ft/42 Nm)	
9	8526007	AR	LOCTITE 242, (apply to items 8, 12, 14 & 15)	
10	8307005	37	LOCKWASHER, 3/8	
11	8307204	27	FLAT WASHER, 3/8	
12	8303621	10	HEX HD CAPSCREW, 3/8-16X1-1/2, (torque to 31 lb-ft/42 Nm)	
13	7096702	3	WEAR PAD SPACER, 1/2	
14	8303675	2	HEX HD CAPSCREW, 3/8-16X1-1/4, (torque to 31 lb-ft/42 Nm)	
15	8303620	9	HEX HD CAPSCREW, 3/8-16X1, (torque to 31 lb-ft/42 Nm)	
16	7116733	1	HOSE PULLEY ASSY, (includes items 101 thru 112)	AC
101	7116812	4	ROLLER PULLEY	
102	7116642	5	DIVIDER	
103	7116652	1	BRACKET, (right side)	
104	7116662	1	BRACKET, (left side)	
105	7116691	10	SPACER	
106	8310235	1	SHOULDER SCREW, 1/2X5	
107	8305645	2	LOCKNUT, 3/8-16	
108	8310209	1	HEX HD CAPSCREW, 1/2-13X6	
109	8305644	1	LOCKNUT, 1/2-13	
110	8307206	2	FLAT WASHER, 1/2	
111	8310245	1	SHOULDER SCREW, 1/2X4	
112	8307204	1	FLAT WASHER, 3/8	
N1	Note	Ref	**USE LOCTITE 242 (0100011) ON ALL BOLT THREADS AND JAM NUTS.**	
N2	Note	Ref	**COAT STATIC, NON-ROTATING PIN BORES WITH MOLY-PASTE (3020040). DO NOT COAT THE PIN OR ANY ROTATING PARTS.**	
N3	Note	Ref	**COAT ALL BUSHINGS, SHEAVES AND ROTATING PIN BORES WITH MYSTIK TETRIMOLY GREASE (14404793) PRIOR TO INSTALLATION OF THE PIN.**	
N4	Note	Ref	**WEAR PAD SHIMMING:**	
N4		Ref	**A. WHENEVER A SHIM IS USED WITH A PAD, A SPACER WITH HOLES MUST BE INSERTED BETWEEN PAD AND SHIM.**	
N4		Ref	**B. THE WEAR PAD OR WEAR PAD INSERT MUST NOT SIT DIRECTLY ON THE SLOTTED SURFACE OF SHIMS.**	
N4		Ref	**C. 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.**	
N4		Ref	**D. 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.**	
N4		Ref	**E. THE LENGTH OF PAD BOLTS DEPENDS ON THE NUMBER OF SHIMS USED. THE BOLT CANNOT EXTEND PAST CHAMFER ON WEAR PAD.**	

SECTION 2 - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
N5	Note	Ref	**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.**	

FIGURE 2-4. THIRD BOOM SECTION (10042,8042)

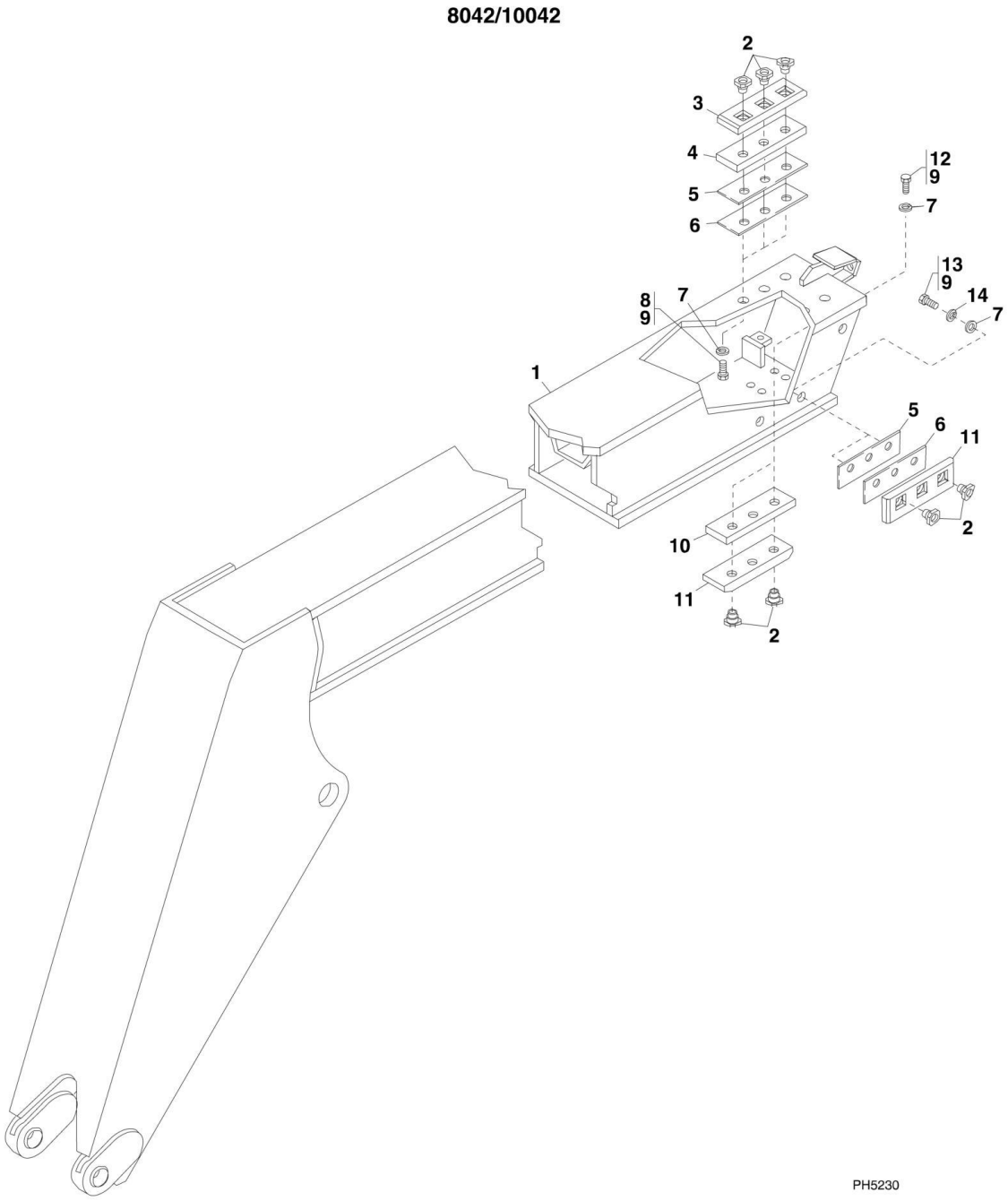


FIGURE 2-4. THIRD BOOM SECTION (10042,8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7117113	1	THIRD BOOM SECTION	
2	7082311	16	WEAR PAD INSERT	
3	7111572	2	WEAR PAD	
4	7096882	2	WEAR PAD SPACER, 0.62	
5	7082362	AR	SHIM, WEAR PAD, 0.13	
6	7082342	AR	SHIM, WEAR PAD, 0.07	
7	8307005	16	LOCKWASHER, 3/8	
8	8303679	6	HEX HD CAPSCREW, 3/8-16X1-3/4, (torque to 31 lb-ft/42 Nm)	
9	8526007	AR	LOCTITE 242, (apply to items 8, 12 & 13)	
10	7096702	1	WEAR PAD SPACER, 1/2	
11	7079572	5	WEAR PAD	
12	8303675	2	HEX HD CAPSCREW, 3/8-16X1-1/4, (torque to 31 lb-ft/42 Nm)	
13	8303681	8	HEX HD CAPSCREW, 3/8-16X3/4, (torque to 31 lb-ft/42 Nm)	
14	8307204	8	FLAT WASHER, 3/8	
N1	Note	Ref	**USE LOCTITE 242 (0100011) ON ALL BOLT THREADS AND JAM NUTS.**	
N2	Note	Ref	**COAT STATIC, NON-ROTATING PIN BORES WITH MOLY-PASTE (3020040). DO NOT COAT THE PIN OR ANY ROTATING PARTS.**	
N3	Note	Ref	**COAT ALL BUSHINGS, SHEAVES AND ROTATING PIN BORES WITH MYSTIK TETRIMOLY GREASE (14404793) PRIOR TO INSTALLATION OF THE PIN.**	
N4	Note	Ref	**WEAR PAD SHIMMING:**	
N4		Ref	**A. WHENEVER A SHIM IS USED WITH A PAD, A SPACER WITH HOLES MUST BE INSERTED BETWEEN PAD AND SHIM.**	
N4		Ref	**C. THE WEAR PAD OR WEAR PAD INSERT MUST NOT SIT DIRECTLY ON THE SLOTTED SURFACE OF SHIMS.**	
N4		Ref	**C. 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.**	
N4		Ref	**D. 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.**	
N4		Ref	**E. THE LENGTH OF PAD BOLTS DEPENDS ON THE NUMBER OF SHIMS USED. THE BOLT CANNOT EXTEND PAST CHAMFER ON WEAR PAD.**	
N5	Note	Ref	**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.**	

FIGURE 2-5. SECOND BOOM SECTION (10054)

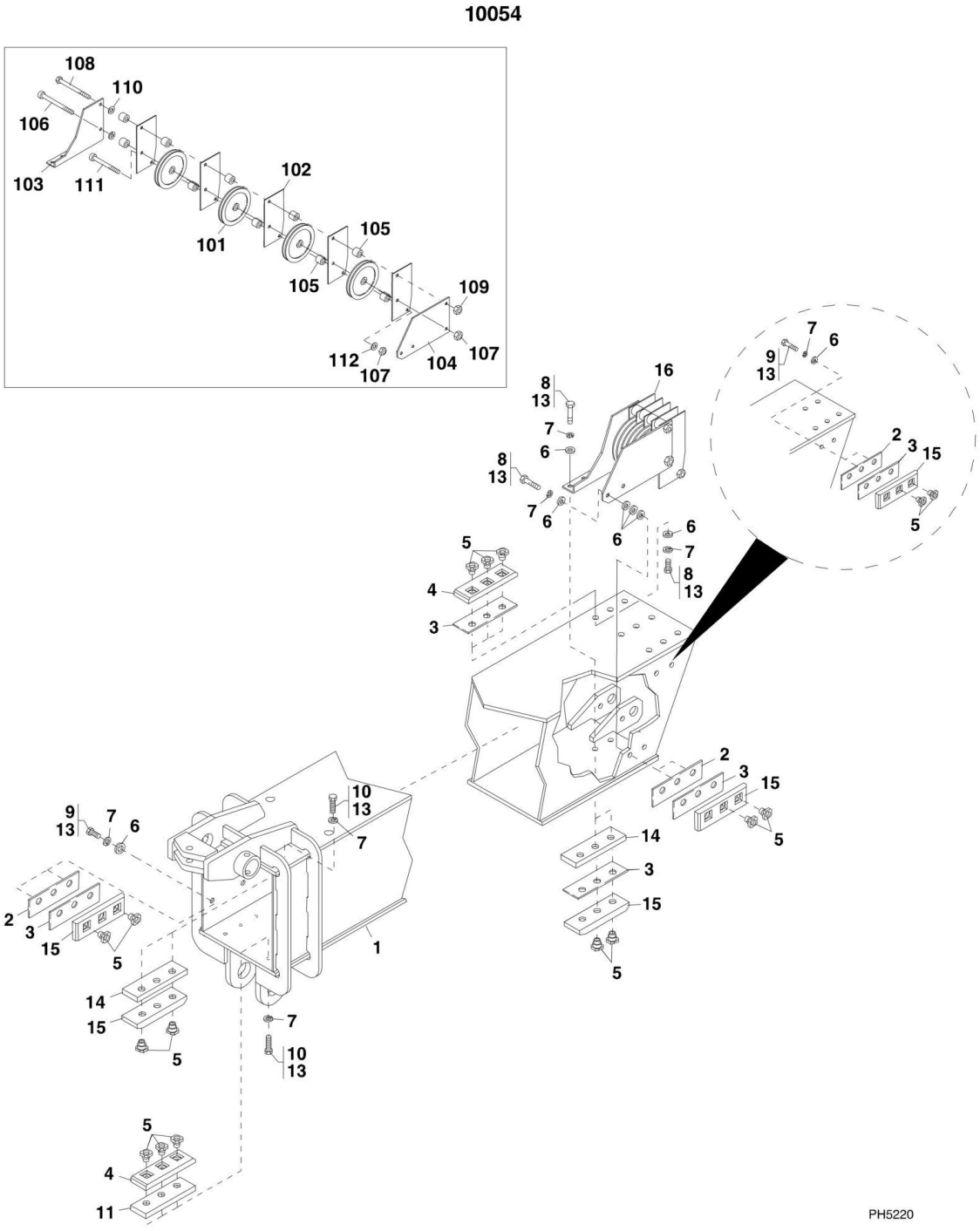


FIGURE 2-5. SECOND BOOM SECTION (10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001097721	1	SECOND BOOM SECTION	
2	7082362	AR	SHIM, WEAR PAD, 0.13	
3	7082342	AR	SHIM, WEAR PAD, 0.075	
4	7111572	5	WEAR PAD	
5	7082311	36	WEAR PAD INSERT	
6	8307204	26	FLAT WASHER, 3/8	
7	8307005	36	LOCKWASHER, 3/8	
8	8303620	8	HEX HD CAPSCREW, 3/8-16X1	
9	8303681	14	HEX HD CAPSCREW, 3/8-16X3/4, (torque to 31 lb-ft/42 Nm)	
10	8303621	12	HEX HD CAPSCREW, 3/8-16X1-1/2, (torque to 31 lb-ft/42 Nm)	
11	7096882	2	WEAR PAD SPACER, 0.62	
13	8526007	AR	LOCTITE 242, (apply to items 8, 9 & 10)	
14	7096702	3	WEAR PAD SPACER, 1/2	
15	7079572	11	WEAR PAD	
16	7116733	1	HOSE PULLEY ASSY, (includes items 101 thru 112)	AC
101	7116812	4	ROLLER PULLEY	
102	7116642	5	DIVIDER	
103	7116652	1	BRACKET, (right side)	
104	7116662	1	BRACKET, (left side)	
105	7116691	10	SPACER	
106	8310235	1	SHOULDER SCREW, 1/2X5	
107	8305645	2	LOCKNUT, 3/8-16	
108	8310209	1	HEX HD CAPSCREW, 1/2-13X6	
109	8305644	1	LOCKNUT, 1/2-13	
110	8307206	2	FLAT WASHER, 1/2	
111	8310245	1	SHOULDER SCREW, 1/2X4	
112	8307204	1	FLAT WASHER, 3/8	
N1	Note	Ref	**USE LOCTITE 242 (0100011) ON ALL BOLT THREADS AND JAM NUTS.**	
N2	Note	Ref	**COAT STATIC, NON-ROTATING PIN BORES WITH MOLY-PASTE (3020040). DO NOT COAT THE PIN OR ANY ROTATING PARTS.**	
N3	Note	Ref	**COAT ALL BUSHINGS, SHEAVES AND ROTATING PIN BORES WITH MYSTIK TETRIMOLY GREASE (14404793) PRIOR TO INSTALLATION OF THE PIN.**	
N4	Note	Ref	**WEAR PAD SHIMMING:**	
N4		Ref	**A. WHENEVER A SHIM IS USED WITH A PAD, A SPACER WITH HOLES MUST BE INSERTED BETWEEN PAD AND SHIM.**	
N4		Ref	**B. THE WEAR PAD OR WEAR PAD INSERT MUST NOT SIT DIRECTLY ON THE SLOTTED SURFACE OF SHIMS.**	
N4		Ref	**C. 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.**	
N4		Ref	**D. 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.**	
N4		Ref	**E. THE LENGTH OF PAD BOLTS DEPENDS ON THE NUMBER OF SHIMS USED. THE BOLT CANNOT EXTEND PAST CHAMFER ON WEAR PAD.**	

SECTION 2 - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
N5	Note	Ref	**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.**	

FIGURE 2-6. THIRD BOOM SECTION (10054)

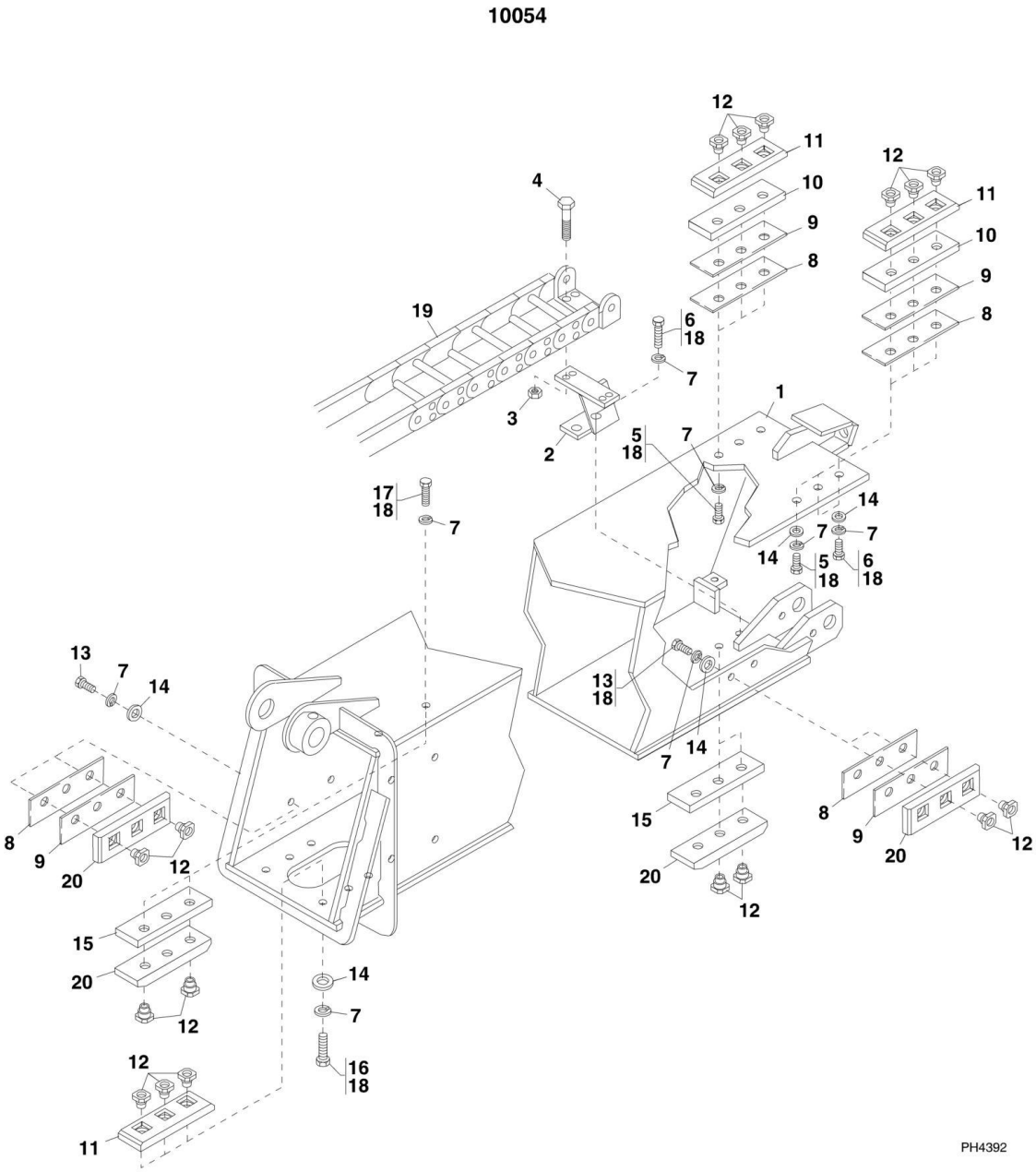


FIGURE 2-6. THIRD BOOM SECTION (10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7117414	1	THIRD BOOM SECTION	
2	7112732	1	HOSE CLAMP SUPPORT	
3	8305624	4	HEX LOCKNUT, 1/4-20	
4	8310026	4	HEX HD CAPSCREW, 1/4-20X3/4	
5	8303679	4	HEX HD CAPSCREW, 3/8-16X1-3/4, (torque to 31 lb-ft/42 Nm)	
6	8303622	2	HEX HD CAPSCREW, 3/8-16X2, (torque to 31 lb-ft/42 Nm)	
7	8307005	34	LOCKWASHER, 3/8	
8	7082362	AR	SHIM, WEAR PAD, 0.13	
9	7082342	AR	SHIM, WEAR PAD, 0.07	
10	7096882	2	WEAR PAD SPACER, 0.62	
11	7111572	5	WEAR PAD	
12	7082311	34	WEAR PAD INSERT	
13	8303681	16	HEX HD CAPSCREW, 3/8-16X3/4, (torque to 31 lb-ft/42 Nm)	
14	8307204	25	FLAT WASHER, 3/8	
15	7096702	3	WEAR PAD SPACER, 1/2	
16	8303620	6	HEX HD CAPSCREW, 3/8-16X1, (torque to 31 lb-ft/42 Nm)	
17	8303621	4	HEX HD CAPSCREW, 3/8-16X1-1/2, (torque to 31 lb-ft/42 Nm)	
18	8526007	AR	LOCTITE 242, (apply to items 5, 6, 13, 16 & 17)	
19		Ref	HOSE CARRIER, (See HYDRAULIC CIRCUITS SECTION for Breakdown)	
20	7079572	11	WEAR PAD	
N1	Note	Ref	**USE LOCTITE 242 (0100011) ON ALL BOLT THREADS AND JAM NUTS.**	
N2	Note	Ref	**COAT STATIC, NON-ROTATING PIN BORES WITH MOLY-PASTE (3020040). DO NOT COAT THE PIN OR ANY ROTATING PARTS.**	
N3	Note	Ref	**COAT ALL BUSHINGS, SHEAVES AND ROTATING PIN BORES WITH MYSTIK TETRIMOLY GREASE (14404793) PRIOR TO INSTALLATION OF THE PIN.**	
N4	Note	Ref	**WEAR PAD SHIMMING:**	
N4		Ref	**A. WHENEVER A SHIM IS USED WITH A PAD, A SPACER WITH HOLES MUST BE INSERTED BETWEEN PAD AND SHIM.**	
N4		Ref	**B. THE WEAR PAD OR WEAR PAD INSERT MUST NOT SIT DIRECTLY ON THE SLOTTED SURFACE OF SHIMS.**	
N4		Ref	**C. 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.**	
N4		Ref	**D. 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.**	
N4		Ref	**E. THE LENGTH OF PAD BOLTS DEPENDS ON THE NUMBER OF SHIMS USED. THE BOLT CANNOT EXTEND PAST CHAMFER ON WEAR PAD.**	
N5	Note	Ref	**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.**	

FIGURE 2-7. FOURTH BOOM SECTION (10054)

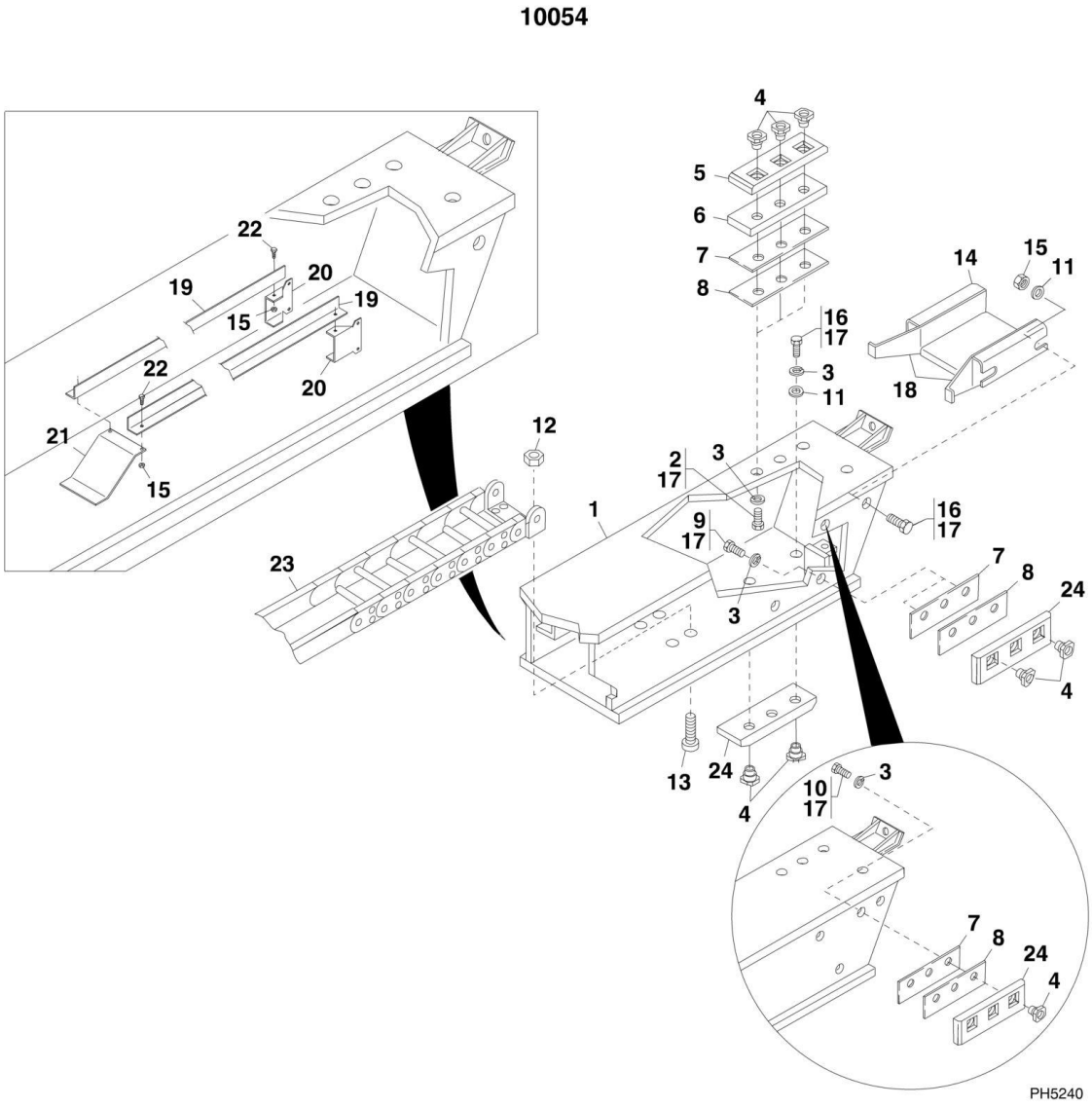


FIGURE 2-7. FOURTH BOOM SECTION (10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7117133	1	FOURTH BOOM SECTION	
2	8303621	6	HEX HD CAPSCREW, 3/8-16X1-1/2, (torque to 31 lb-ft/42 Nm)	
3	8307005	16	LOCKWASHER, 3/8	
4	7082311	16	WEAR PAD INSERT	
5	7111572	7	WEAR PAD	
6	7096702	2	WEAR PAD SPACER, 1/2	
7	7082362	AR	SHIM, WEAR PAD, 0.13	
8	7082342	AR	SHIM, WEAR PAD, 0.07	
9	8303681	6	HEX HD CAPSCREW, 3/8-16X3/4	
10	8303620	2	HEX HD CAPSCREW, 3/8-16X1	
11	8307204	6	FLAT WASHER, 3/8	
12	8305624	4	HEX LOCKNUT, 1/4-20	
13	8303540	4	HEX HD CAPSCREW, 1/4-20X1	
14	7114922	1	GUIDE	
15	8305645	6	HEX LOCKNUT, 3/8-16	
16	8303620	2	HEX HD CAPSCREW, 3/8-16X1, (torque to 31 lb-ft/42 Nm)	
17	8526036	AR	LOCTITE 242, (apply to items 2, 9, 10 & 16)	
18	5746411	2	MOLDING	
19	7110172	2	HOSE CARRIER GUIDE	
20	7127862	2	GUIDE SUPPORT, (rear)	
21	7127852	1	GUIDE SUPPORT, (front)	
22	8303738	6	HEX HD CAPSCREW, 3/8-16X7/8	
23		Ref	HOSE CARRIER, (See HYDRAULIC CIRCUITS SECTION for Breakdown)	
24	7079572	4	WEAR PAD	
N1	Note	Ref	**USE LOCTITE 242 (0100011) ON ALL BOLT THREADS AND JAM NUTS.**	
N2	Note	Ref	**COAT STATIC, NON-ROTATING PIN BORES WITH MOLY-PASTE (3020040). DO NOT COAT THE PIN OR ANY ROTATING PARTS.**	
N3	Note	Ref	**COAT ALL BUSHINGS, SHEAVES AND ROTATING PIN BORES WITH MYSTIK TETRIMOLY GREASE (14404793) PRIOR TO INSTALLATION OF THE PIN.**	
N4	Note	Ref	**WEAR PAD SHIMMING:**	
N4	Note	Ref	**A. WHENEVER A SHIM IS USED WITH A PAD, A SPACER WITH HOLES MUST BE INSERTED BETWEEN PAD AND SHIM.**	
N4	Note	Ref	**B. THE WEAR PAD OR WEAR PAD INSERT MUST NOT SIT DIRECTLY ON THE SLOTTED SURFACE OF SHIMS.**	
N4	Note	Ref	**C. 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.**	
N4	Note	Ref	**D. 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.**	
N4	Note	Ref	**E. THE LENGTH OF PAD BOLTS DEPENDS ON THE NUMBER OF SHIMS USED. THE BOLT CANNOT EXTEND PAST CHAMFER ON WEAR PAD.**	
N5	Note	Ref	**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.**	

FIGURE 2-8. EXTEND CHAINS (10042,8042)

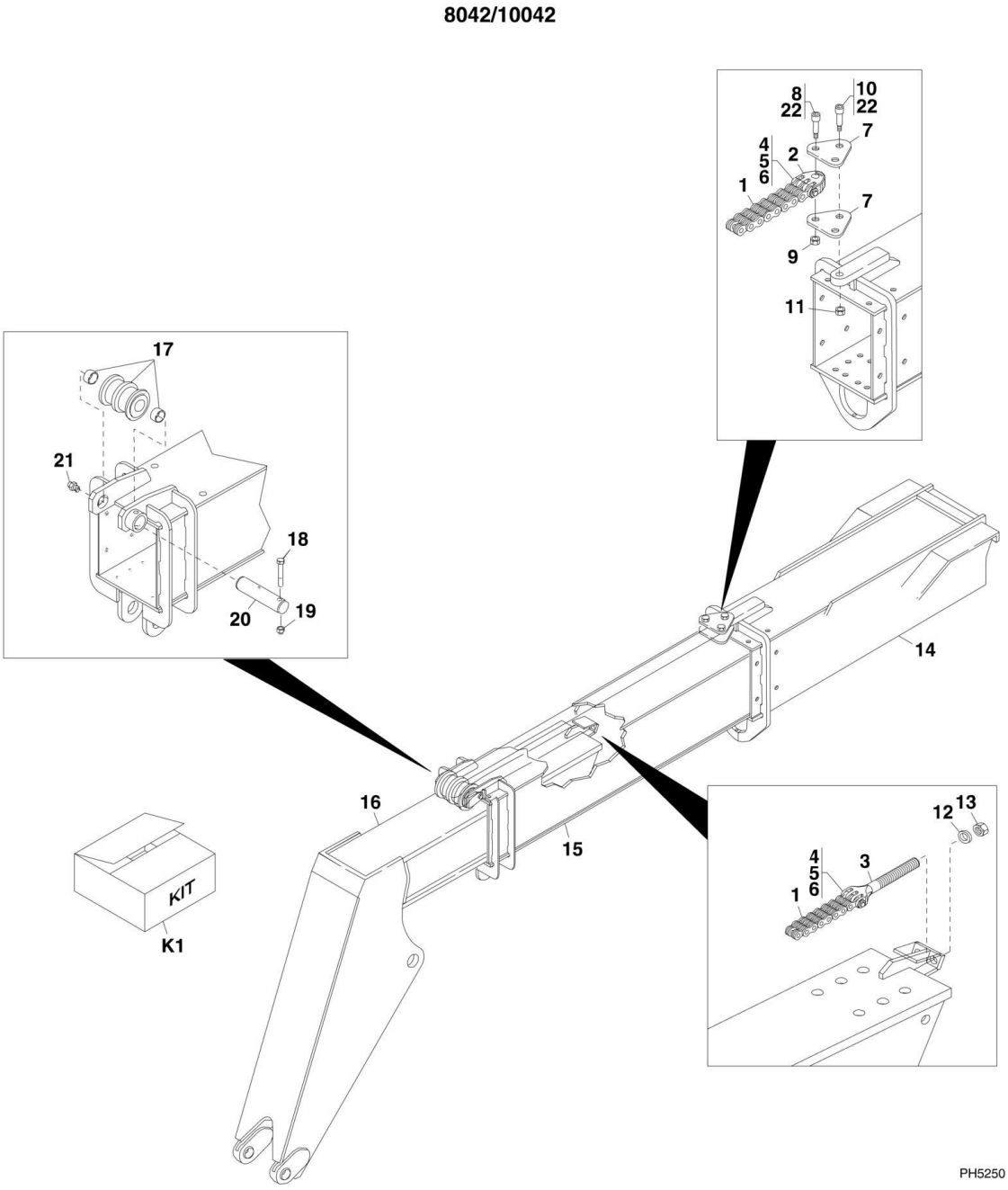


FIGURE 2-8. EXTEND CHAINS (10042,8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139690	2	EXTEND CHAIN AND CLEVIS ASSY, (includes items 1 thru 6)	B
1	8127022	2	EXTEND CHAIN	
2	7139416	2	FEMALE ANCHOR CLEVIS	
3	7139032	2	FEMALE ANCHOR CLEVIS	
4	8124138	4	CHAIN CLEVIS PIN	
5	8642237	8	RETAINING RING	
6	8522012	AR	ANTI-SEIZE LUBE, (apply to item 4)	
7	7139180	2	EXTEND CHAIN YOKE	
8	8310019	2	SOCKET HD SHOULDER SCREW, 1/2X1-1/2X3/8-16	
9	8305645	2	HEX LOCKNUT, 3/8-16	
10	8310020	1	SOCKET HD SHOULDER SCREW, 5/8X1-1/2X1/2-13	
11	8305644	1	HEX LOCKNUT, 1/2-13	
12	8307104	2	PLAIN WASHER, 3/4	
13	8305646	2	HEX LOCKNUT, 3/4-16	
14		Ref	FIRST BOOM SECTION, (See FIRST BOOM SECTION for Breakdown)	
15		Ref	SECOND BOOM SECTION, (See SECOND BOOM SECTION for Breakdown)	
16		Ref	THIRD BOOM SECTION, (See THIRD BOOM SECTION for Breakdown)	
17	1001101845	1	SHEAVE ASSY	
17	7114112	1	EXTEND CHAIN SHEAVE	
17	7126662	2	BUSHING	
18	8303634	1	HEX HD CAPSCREW, 5/8-11X4	
19	8305643	1	HEX LOCKNUT, 5/8-11	
20	1001097735	1	EXTEND CHAIN SHEAVE PIN	
21	8520001	1	STRAIGHT LUBE FITTING, 1/8	
22	8522012	AR	ANTI SEIZE LUBE, (apply to items 8 & 10)	
K1	8024032	1	EXTEND CHAINS SERVICE KIT, (includes items 1 thru 13)	

FIGURE 2-9. EXTEND CHAINS (10054)

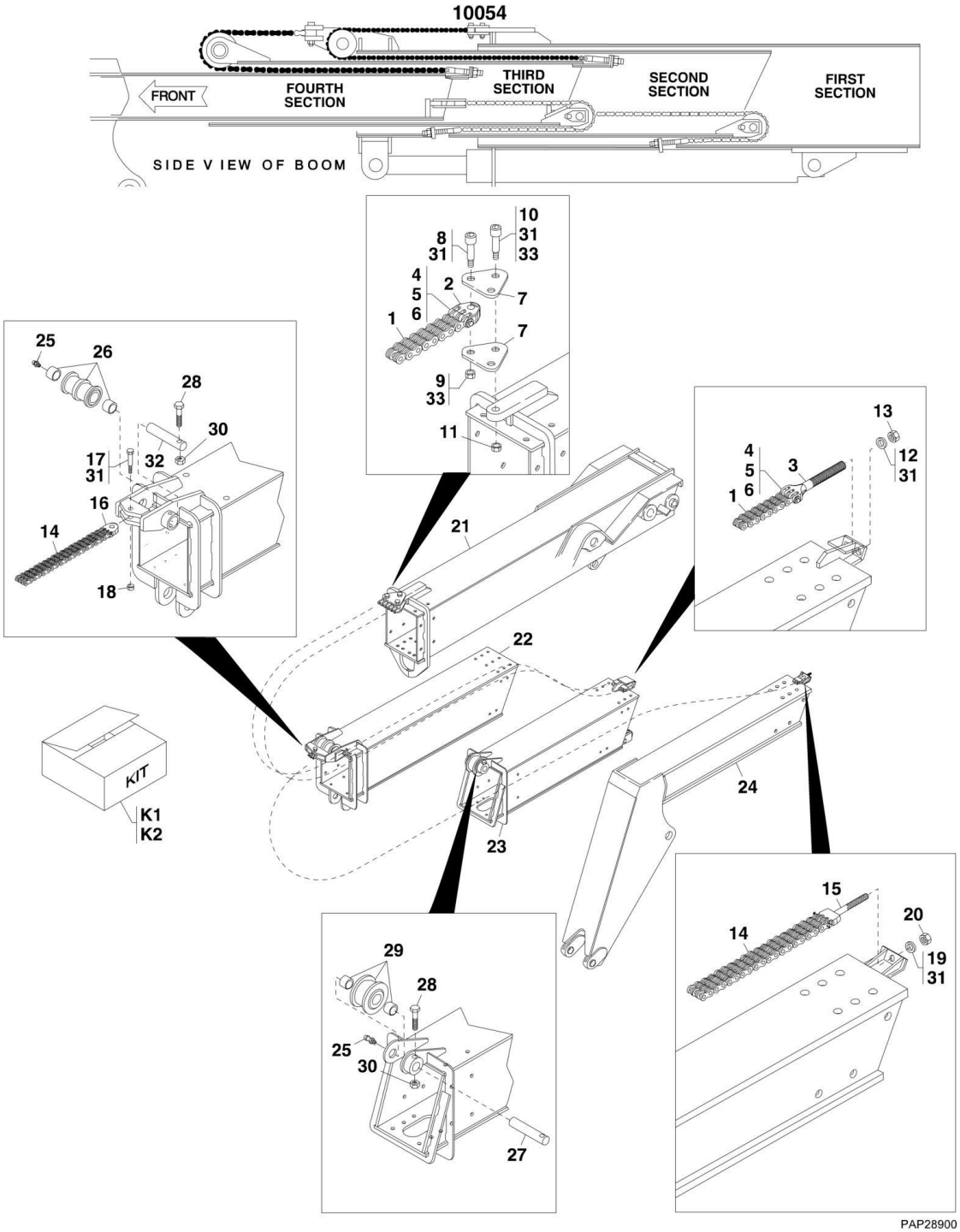


FIGURE 2-9. EXTEND CHAINS (10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139690	2	THIRD BOOM SECTION EXTEND CHAIN AND CLEVIS ASSY, (includes items 1 thru 6)	B
1	8127022	2	EXTEND CHAIN	
2	7139416	2	FEMALE ANCHOR CLEVIS	
3	7139032	2	FEMALE ANCHOR CLEVIS	
4	8124138	4	CHAIN CLEVIS PIN	
5	8642237	8	RETAINING RING	
6	8522012	AR	ANTI-SEIZE LUBE, (apply to item 4)	
7	7139180	2	EXTEND CHAIN YOKE	
8	8310019	2	SOCKET HD SHOULDER SCREW, 1/2X1-1/2X3/8-16	
9	8305645	2	HEX LOCKNUT, 3/8-16	
10	8310020	1	SOCKET HD SHOULDER SCREW, 5/8X1-1/2X1/2-13	
11	8305644	1	HEX LOCKNUT, 1/2-13	
12	8307104	2	FLAT WASHER, 3/4	
13	8305646	2	HEX LOCKNUT, 3/4-16	
13	7139693	1	FOURTH BOOM SECTION EXTEND CHAIN AND CLEVIS ASSY, (includes items 14 thru 16)	C
14	8127009	1	EXTEND CHAIN	
15	7113952	1	ANCHOR CLEVIS	
16	7113982	1	ANCHOR CLEVIS	
17	8310205	1	SOCKET HD SHOULDER SCREW, 3/4X2-1/2	
18	8305643	1	HEX LOCKNUT, 5/8-11	
19	8310066	1	FLAT WASHER, 1	
20	8310210	1	HEX LOCKNUT, 1-14	
21		Ref	FIRST BOOM SECTION, (See FIRST BOOM SECTION for Breakdown)	
22		Ref	SECOND BOOM SECTION, (See SECOND BOOM SECTION for Breakdown)	
23		Ref	THIRD BOOM SECTION, (See THIRD BOOM SECTION for Breakdown)	
24		Ref	FOURTH BOOM SECTION, (See FOURTH BOOM SECTION for Breakdown)	
25	8520001	2	STRAIGHT LUBE FITTING, 1/8	
26	1001101845	1	SHEAVE ASSY	
26	7114112	1	EXTEND CHAIN SHEAVE	
26	7126662	2	BUSHING	
27	7117582	1	EXTEND CHAIN SHEAVE PIN	
28	8303634	2	HEX HD CAPSCREW, 5/8-11X4	
29	1001101867	1	SHEAVE ASSY	
29	7114032	1	EXTEND CHAIN SHEAVE	
29	7117502	2	BUSHING	
30	8305643	2	HEX LOCKNUT, 5/8-11	
31	8522012	AR	ANTI SEIZE LUBE, (apply to items 8, 10, 12, 17 & 19)	
32	1001097735	1	PIN	
33	8526406	AR	SEALANT	
K1	8024032	1	THIRD BOOM SECTION EXTEND CHAINS SERVICE KIT, (includes items 1 thru 13)	
K2	8024053	1	FOURTH BOOM SECTION EXTEND CHAIN SERVICE KIT, (includes items 17 thru 20)	

FIGURE 2-10. RETRACT CHAINS (10042,8042)

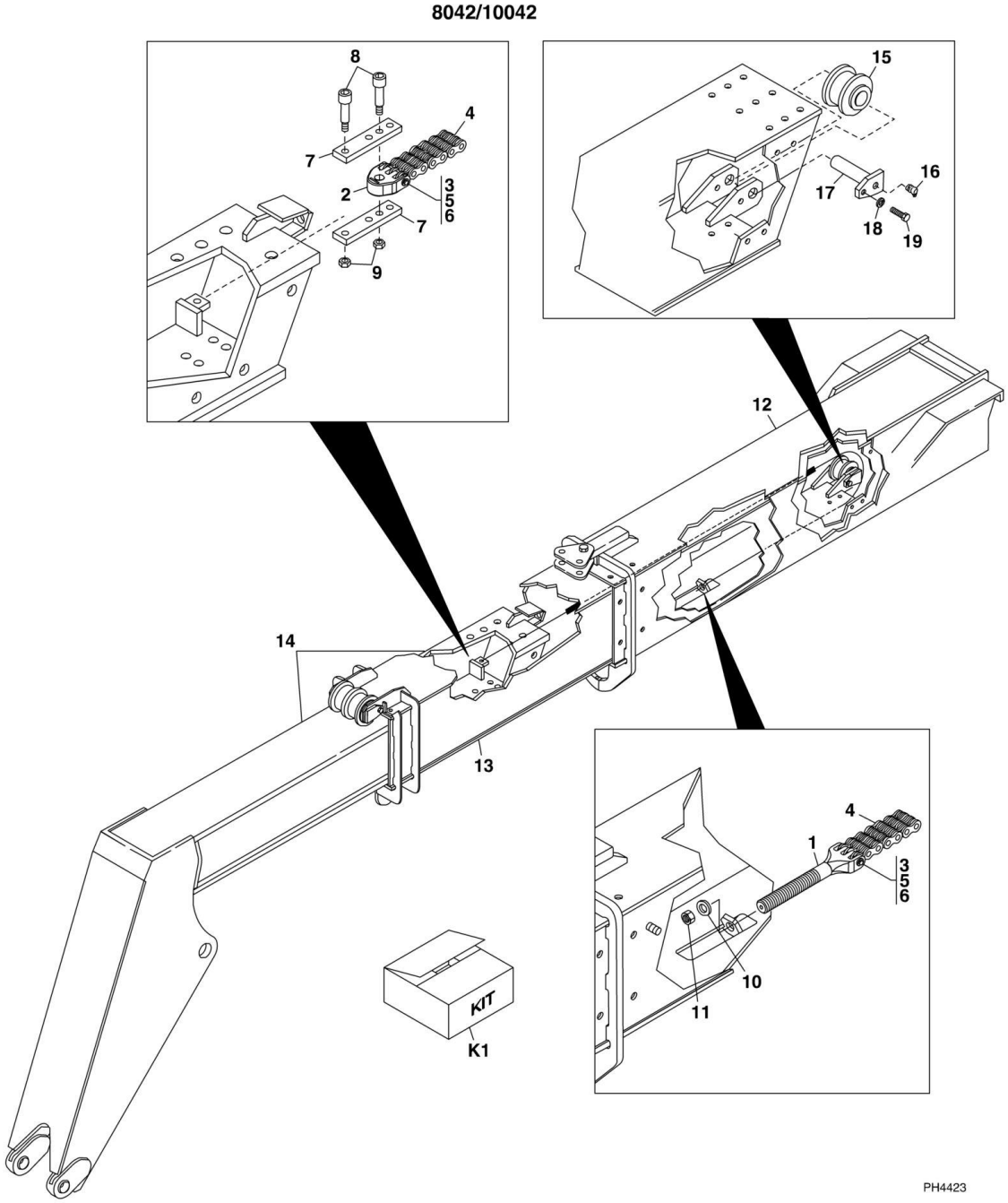


FIGURE 2-10. RETRACT CHAINS (10042,8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139692	1	RETRACT CHAIN AND CLEVIS ASSY, (includes items 1 thru 6)	B
1	7139032	1	FEMALE ANCHOR CLEVIS	
2	7139416	1	FEMALE ANCHOR CLEVIS	
3	8124138	2	CHAIN CLEVIS PIN	
4	8127024	1	RETRACT CHAIN	
5	8522012	AR	ANTI-SEIZE LUBE, (apply to item 3)	
6	8642237	4	RETAINING RING	
7	7117031	2	RETRACT CHAIN ANCHOR LINK	
8	8310019	2	SOCKET HD SHOULDER SCREW, 1/2X1-1/2X3/8-16	
9	8305645	2	HEX LOCKNUT, 3/8-16	
10	8307104	1	PLAIN WASHER, 3/4	
11	8305646	1	HEX LOCKNUT, 3/4-16	
12		Ref	FIRST BOOM SECTION, (See FIRST BOOM SECTION for Breakdown)	
13		Ref	SECOND BOOM SECTION, (See SECOND BOOM SECTION for Breakdown)	
14		Ref	THIRD BOOM SECTION, (See THIRD BOOM SECTION for Breakdown)	
15	7138986	1	RETRACT CHAIN SHEAVE WITH BUSHINGS	
16	8520003	1	LUBE FITTING, 90, 1/8	
17	7138977	1	RETRACT CHAIN SHEAVE PIN	
18	8307007	1	LOCKWASHER, 1/2	
19	8303624	1	HEX HD CAPSCREW, 1/2-13X1	
K1	8024033	1	RETRACT CHAIN SERVICE KIT, (includes items 1 thru 11)	

FIGURE 2-11. RETRACT CHAINS (10054)

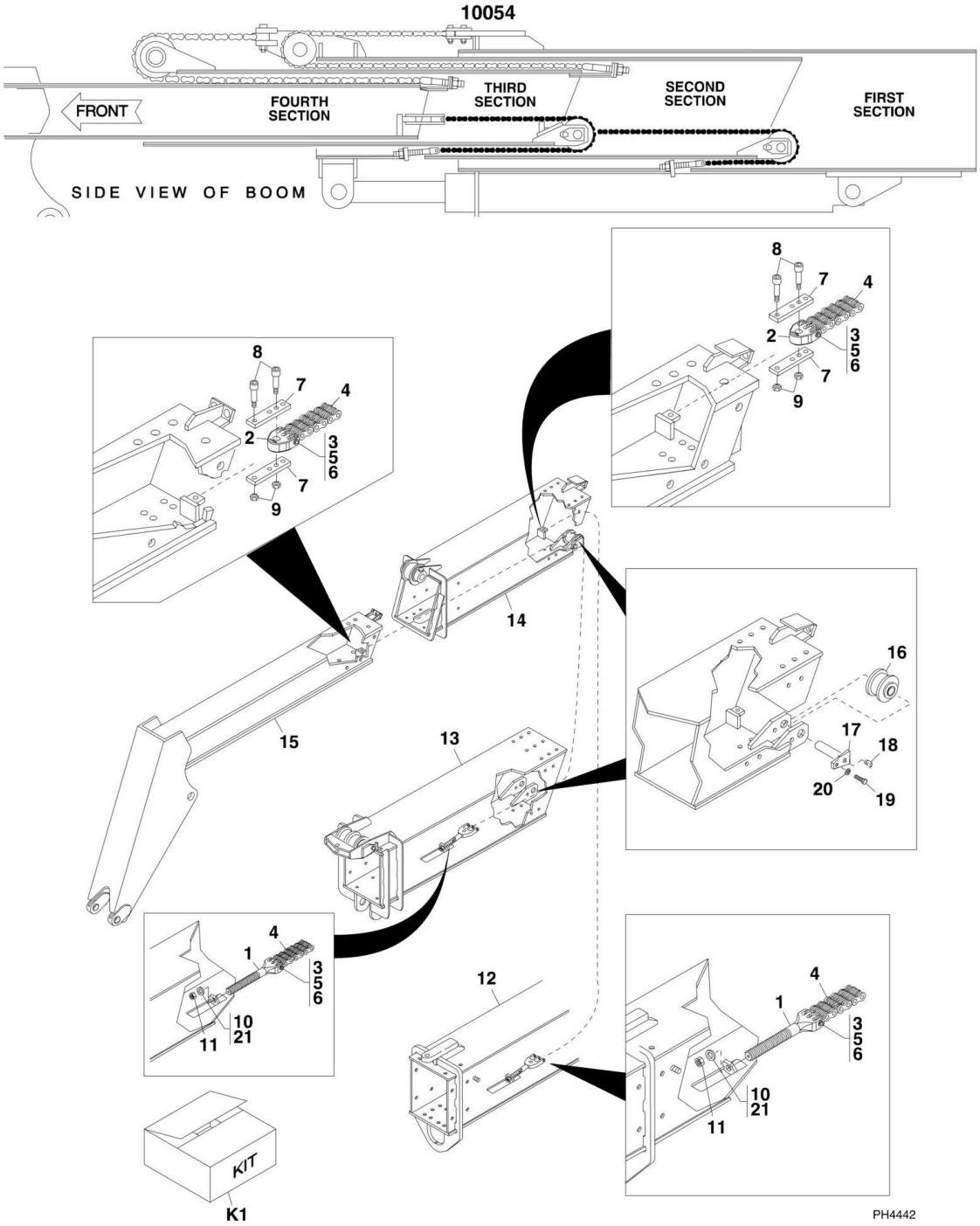


FIGURE 2-11. RETRACT CHAINS (10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139692	1	RETRACT CHAIN AND CLEVIS ASSY, (includes items 1 thru 6)	B
1	7139032	1	FEMALE ANCHOR CLEVIS	
2	7139416	1	FEMALE ANCHOR CLEVIS	
3	8124138	2	CHAIN CLEVIS PIN	
4	8127024	1	RETRACT CHAIN	
5	8522012	AR	ANTI-SEIZE LUBE, (apply to item 3)	
6	8642237	4	RETAINING RING	
7	7117031	2	RETRACT CHAIN ANCHOR LINK	
8	8310019	2	SOCKET HD SHOULDER SCREW, 1/2X1-1/2X3/8-16	
9	8305645	2	HEX LOCKNUT, 3/8-16	
10	8307104	1	PLAIN WASHER, 3/4	
11	8305646	1	HEX LOCKNUT, 3/4-16	
12		Ref	FIRST BOOM SECTION, (See FIRST BOOM SECTION for Breakdown)	
13		Ref	SECOND BOOM SECTION, (See SECOND BOOM SECTION for Breakdown)	
14		Ref	THIRD BOOM SECTION, (See THIRD BOOM SECTION for Breakdown)	
15		Ref	FOURTH BOOM SECTION, (See FOURTH BOOM SECTION for Breakdown)	
16	7138986	1	RETRACT CHAIN SHEAVE WITH BUSHINGS	
17	7138977	1	RETRACT CHAIN SHEAVE PIN	
18	8520003	1	LUBE FITTING, 90, 1/8	
19	8303624	3	HEX HD CAPSCREW, 1/2-13X1	
20	8307007	2	LOCKWASHER, 1/2	
21	8522012	AR	ANTI SEIZE LUBE, (apply to item 10)	
K1	8024033	2	RETRACT CHAIN SERVICE KIT, (Includes Items 1 thru 11)	

FIGURE 2-12. QUICK ATTACH

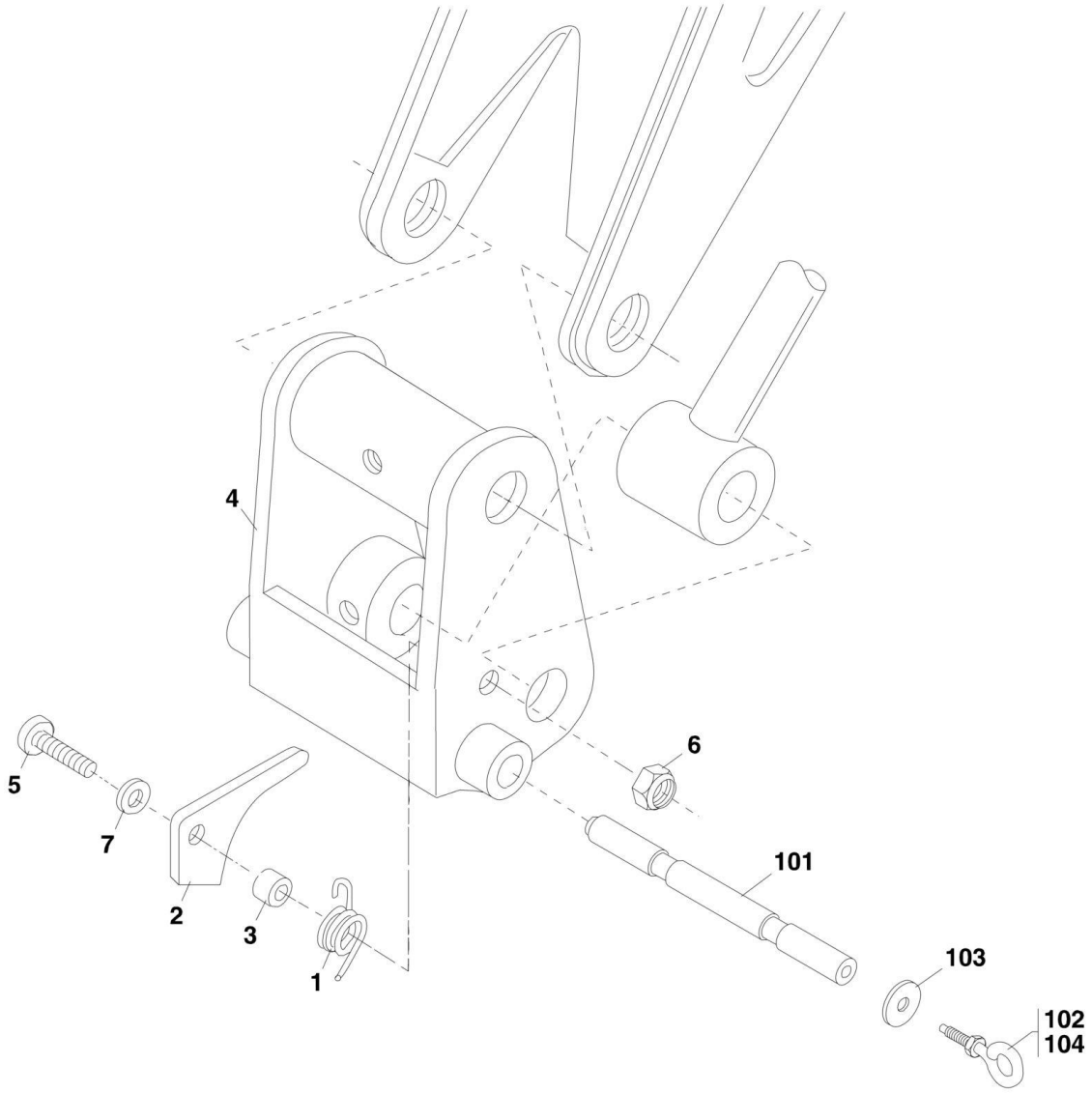


FIGURE 2-12. QUICK ATTACH

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

SECTION 3 - ATTACHMENTS

FIGURE 3-1. TILT CARRIAGE (Prior to SN 0160051822)

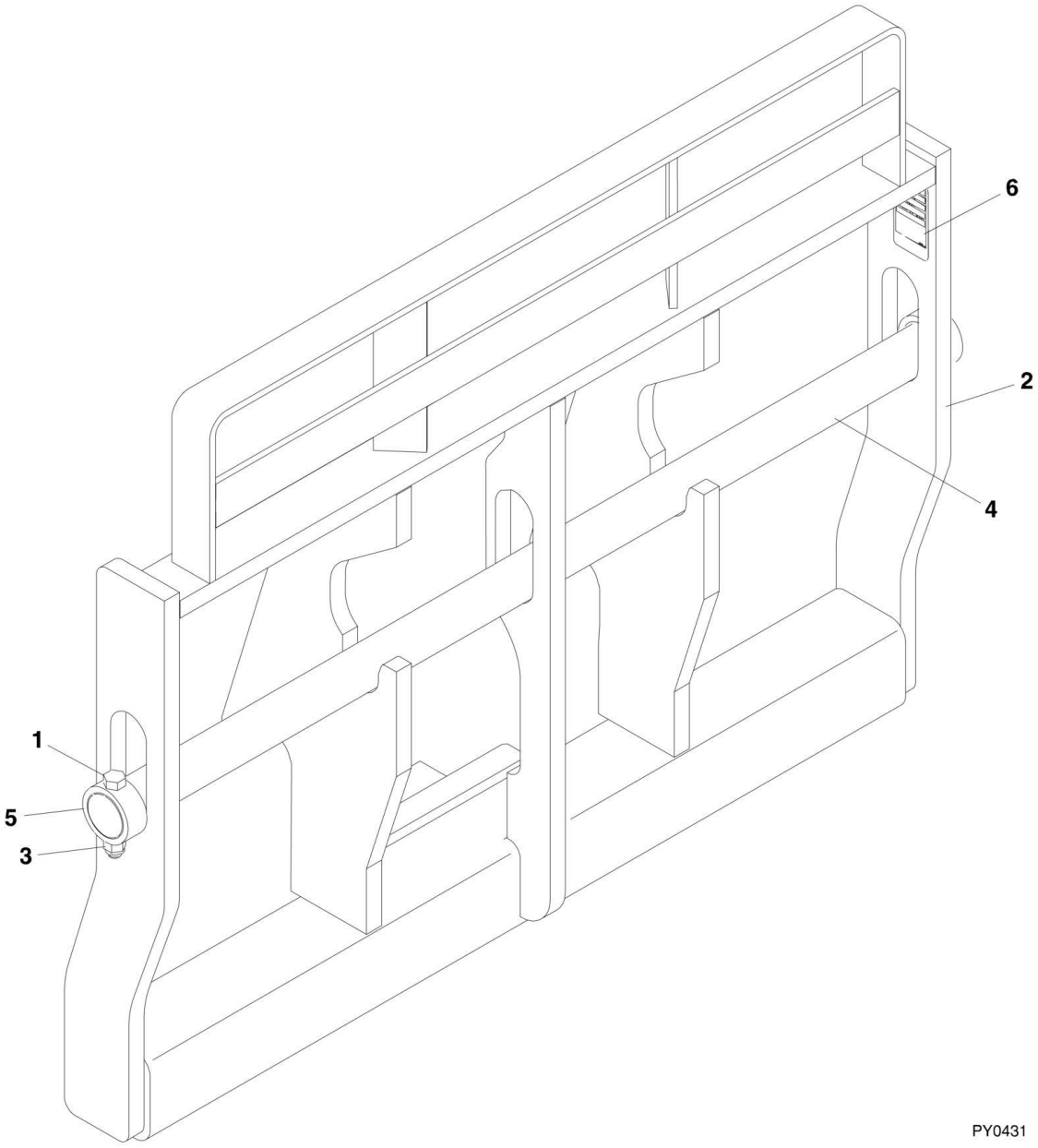


FIGURE 3-1. TILT CARRIAGE (Prior to SN 0160051822)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170021	1	50 IN TILT CARRIAGE, (includes items 1 thru 6)	E
	1170024	1	60 IN TILT CARRIAGE, (includes items 1 thru 6)	E
	1001132514	1	72 IN TILT CARRIAGE, (includes items 1 thru 6)	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	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	SN PLATE	

FIGURE 3-2. TILT CARRIAGE (SN 0160051822 to Present)

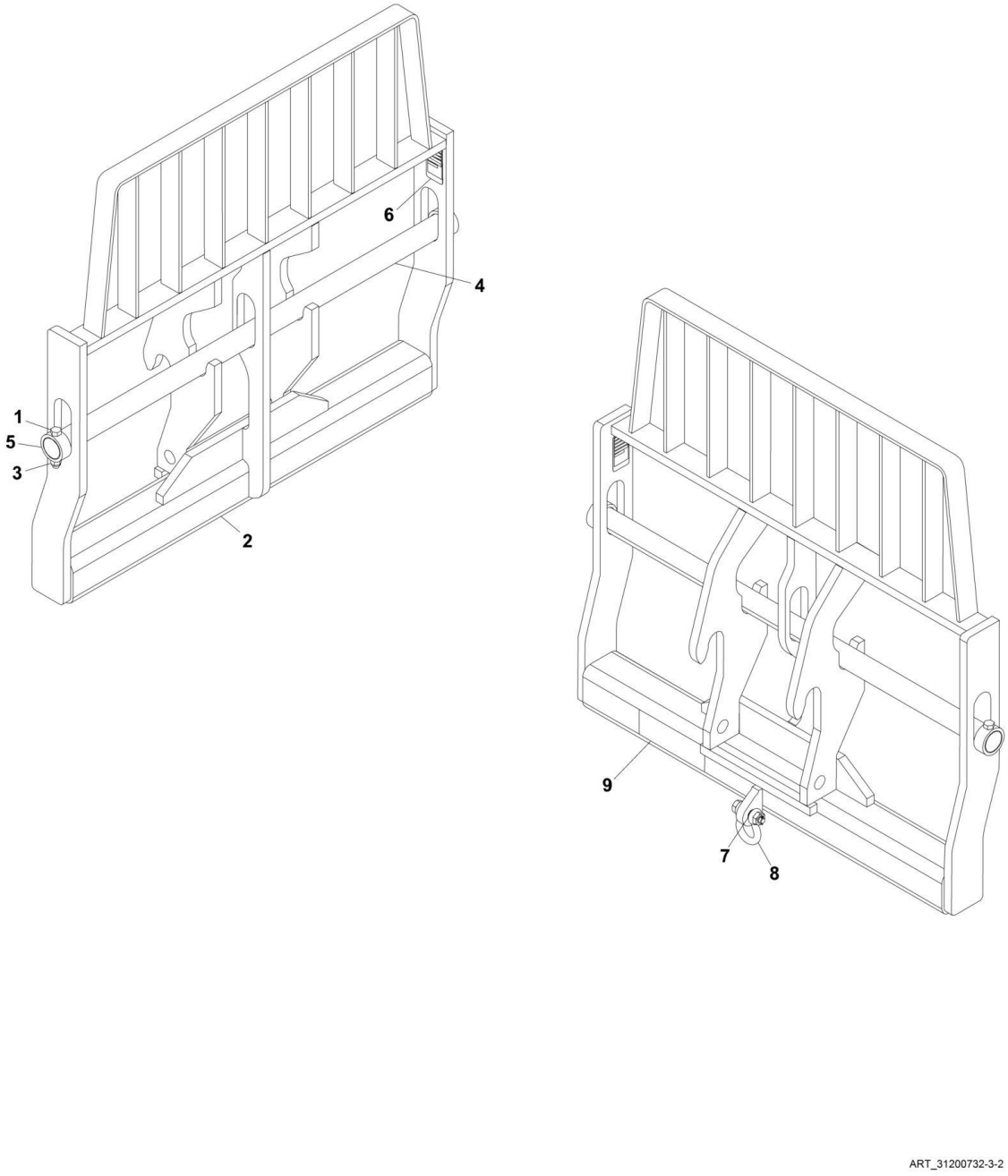


FIGURE 3-2. TILT CARRIAGE (SN 0160051822 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001146084	1	50 IN TILT CARRIAGE WITH LIFT LUG, (includes all items)	C
	1001146086	1	60 IN TILT CARRIAGE WITH LIFT LUG, (includes all items)	C
	1001146088	1	72 IN TILT CARRIAGE WITH LIFT LUG, (includes all items)	C
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	SN PLATE	
7	1001146159	1	SLEEVE	
8	1001146160	1	SHACKLE	
9	1001151561	1	DANGER SWINGING LOADS DECAL	

FIGURE 3-3. SIDE TILT CARRIAGE

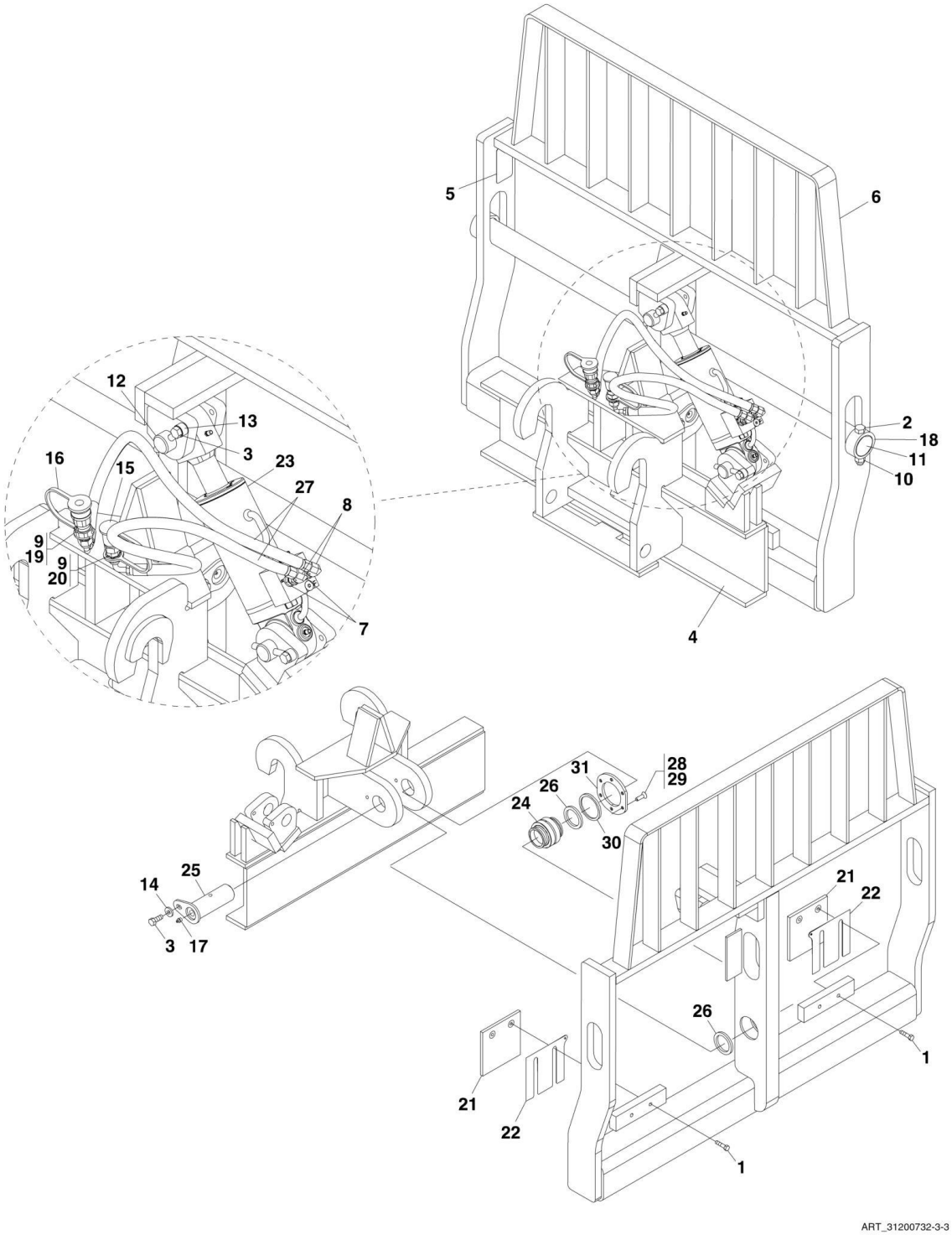


FIGURE 3-3. SIDE TILT CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170054	1	50 IN SIDE TILT CARRIAGE, (includes all items)	J
	1001101956	1	60 IN SIDE TILT CARRIAGE, (includes all items)	K
	1170057	1	72 IN SIDE TILT CARRIAGE, (includes all items)	J
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	
10	3300240	2	LOCK NUT, 5/8-11	
11	3423275	1	50 IN FORK PIN	
11	3423242	1	60 IN FORK PIN	
11	3423276	1	72 IN FORK PIN	
12	3423307	2	PIN	
13	3841203	2	KEEPER	
14	4891800	1	WASHER, 1/2	
15	8420053	1	Dust Cap	
16	8420055	1	Dust Plug	
17	88671001	1	GREASE FITTING	
18	90200003	2	COLLAR	
19	91403413	1	CONNECTOR	
20	91403414	1	CONNECTOR	
21	1001090063	2	WEAR PAD	
22	1001090064	AR	SHIM	
23		Ref	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	

FIGURE 3-4. 50IN SIDE SHIFT CARRIAGE

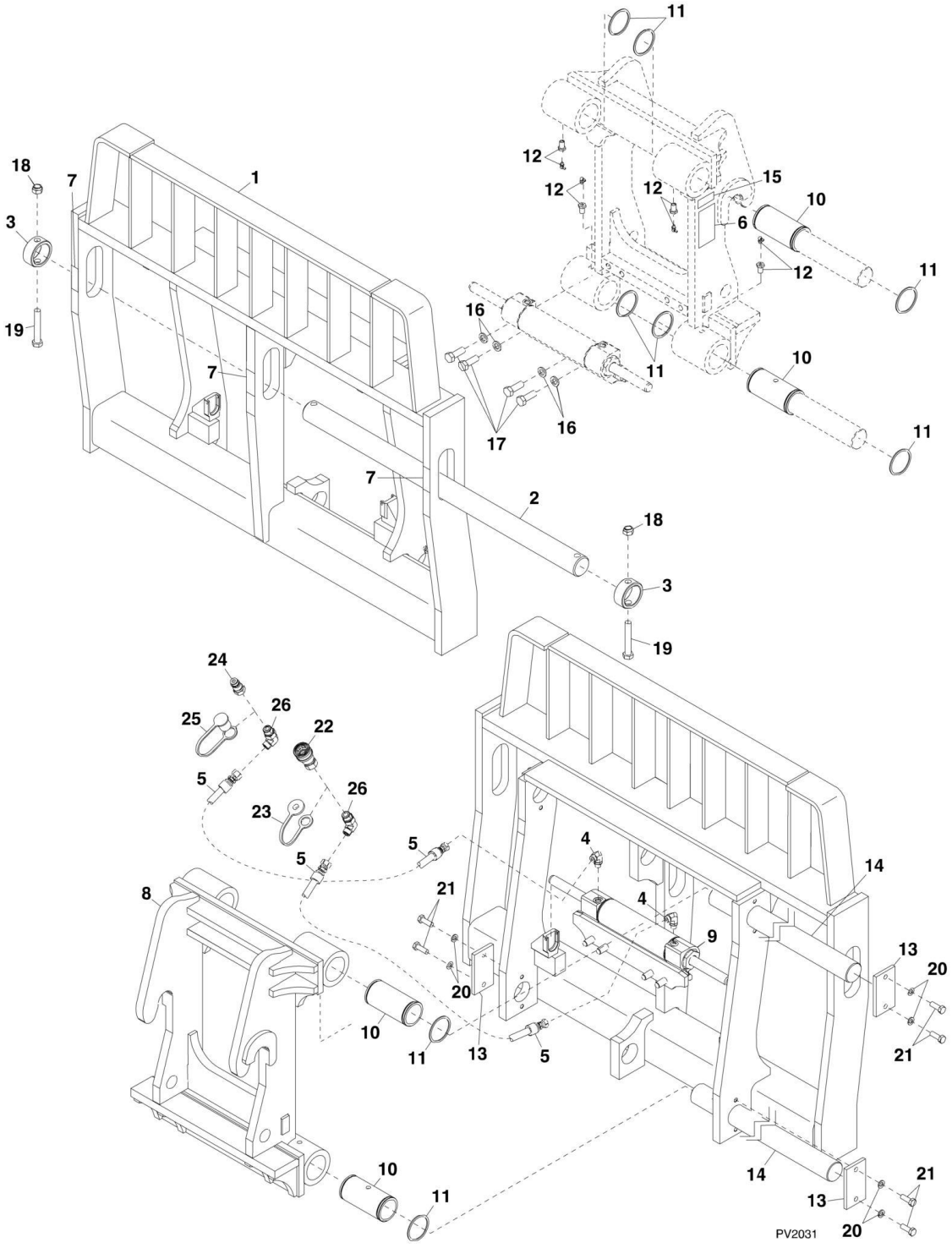


FIGURE 3-4. 50IN SIDE SHIFT CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001142790	1	50 IN SIDE SHIFT CARRIAGE, (includes all items)	C
1	N.S.S.	1	WELDMENT	
2	70024535	1	SHAFT	
3	70024536	2	COLLAR	
4	70024123	2	ADAPTER, 90, (includes o-ring)	
5	70024537	2	HOSE ASSEMBLY	
6	N.S.S.	1	SN PLATE	
7	70024538	3	WARNING DECAL	
8	N.S.S.	1	WELDMENT	
9		Ref	50 IN 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

FIGURE 3-5. 50IN DUAL FORK CARRIAGE

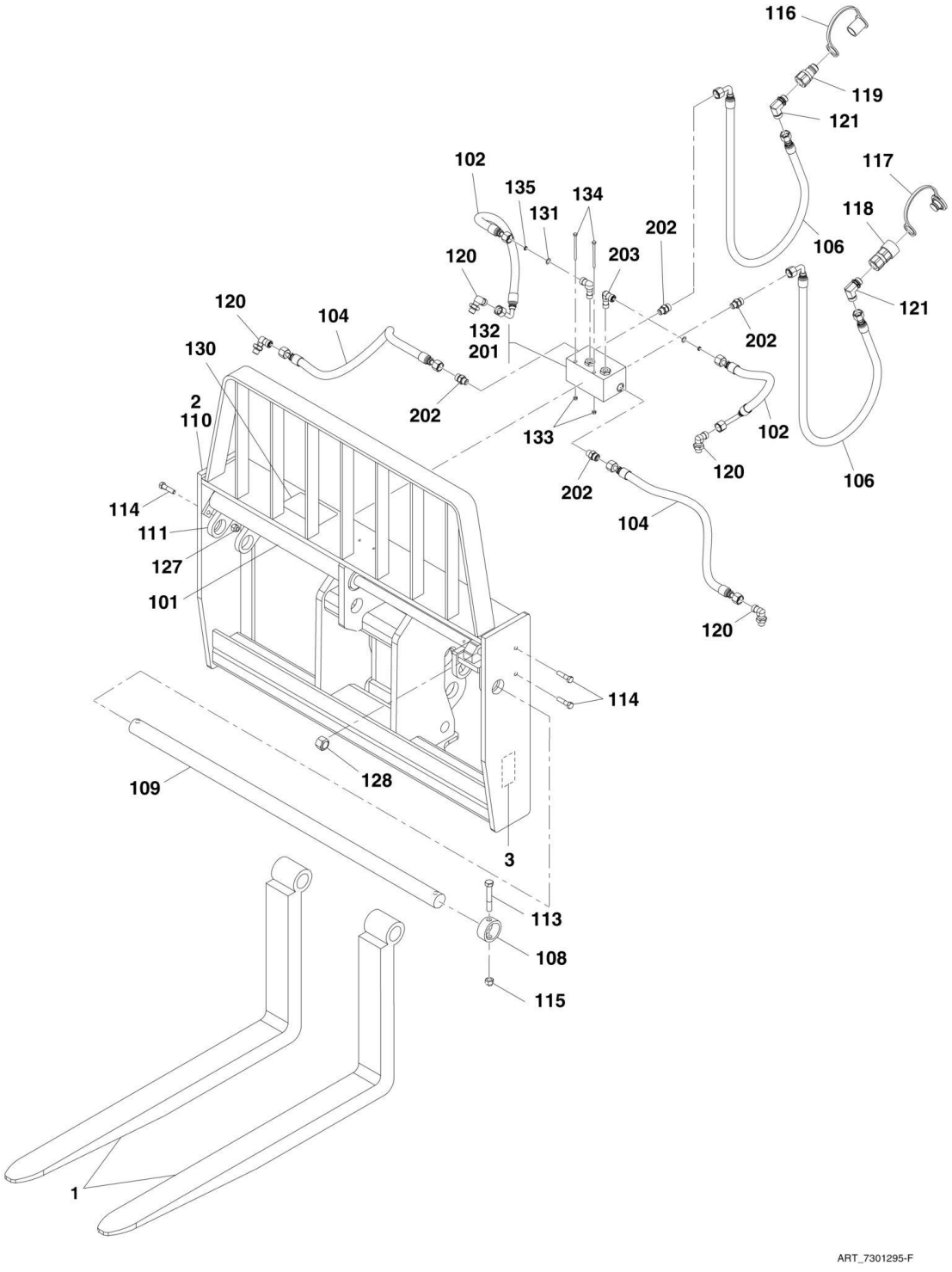


FIGURE 3-5. 50IN DUAL FORK CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7301295	1	50 IN DUAL FORK CARRIAGE ASSY, (includes items 1 thru 3)	F
1	7301408	2	PALLET FORK, (60X100X1220mm)	
2	N.S.S.	1	50 IN CARRIAGE, (includes items 101 thru 135)	I
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	
110	N.S.S.	1	50 IN CARRIAGE WELDMENT	
111	7301579	2	FORK ADAPTER WELDMENT	
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	FEMALE QUICK DISCONNECT	
119	91403414	1	MALE QUICK DISCONNECT	
120	2130606	4	ELBOW, 90, (includes o-ring)	
121	2130608	2	ELBOW, 90, (includes o-ring)	
127	8310302	4	HEX LOCKNUT, 1/2-13	
128	10705034	2	HEX LOCKNUT, 1-14	
130	4110473	1	HOSE ROUTING DECAL	
131	7139918	2	ORIFICE DISK	
132	4641502	1	VALVE ASSY, (includes items 201 thru 203)	B
133	8305624	2	HEX LOCKNUT, 1/4-20	
134	8310435	2	HEX HD CAPSCREW, 1/4-20X3-3/4, GR5	
135	8630003	2	O-RING	
201	4641501	1	FLOW DIVIDER VALVE	
202	2110606	4	CONNECTOR	
203	2130606	2	ELBOW, 90, (includes o-ring)	

FIGURE 3-6. 90 SWING CARRIAGE

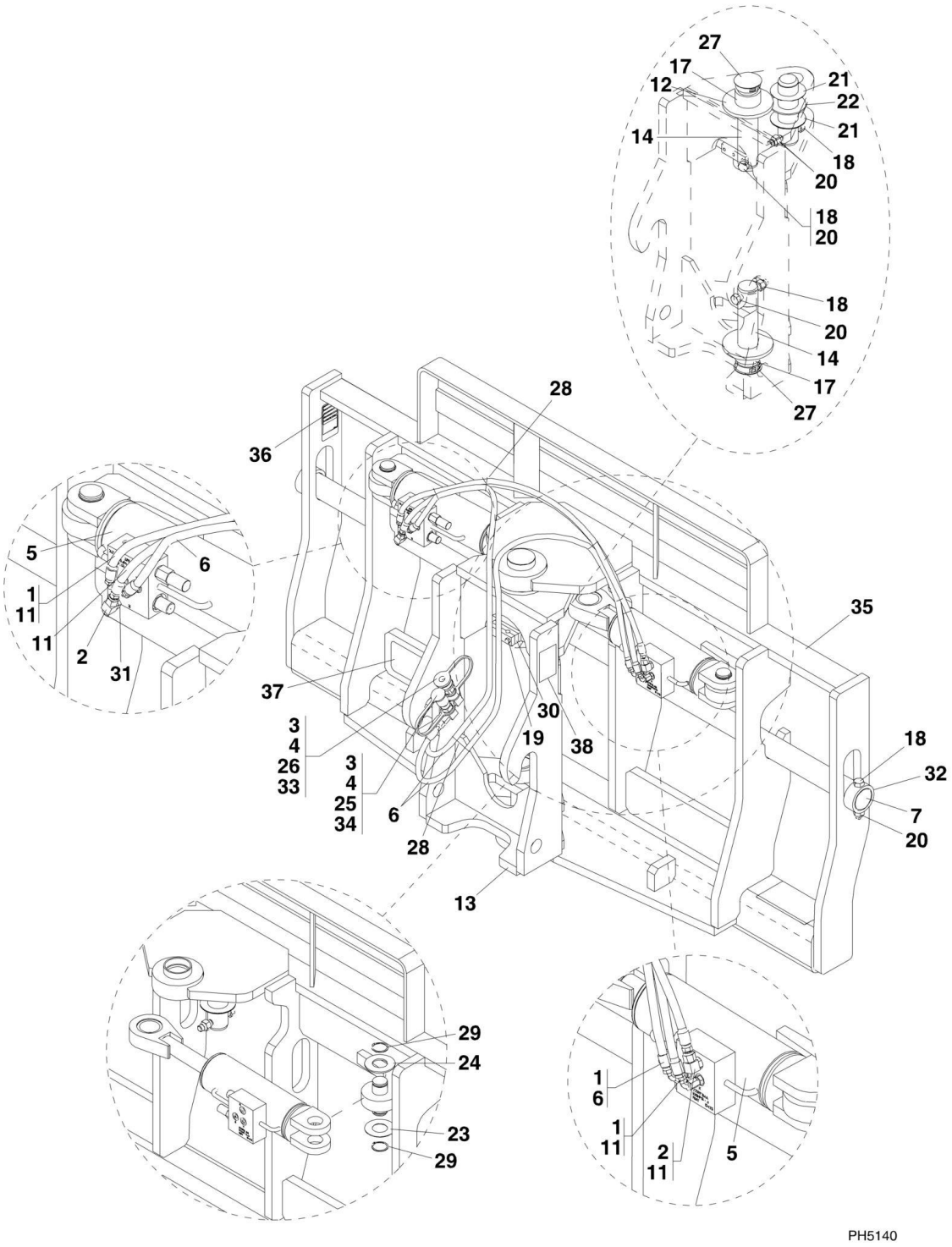


FIGURE 3-6. 90 SWING CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001095418	1	90, SWING CARRIAGE, 72 IN, (includes all items)	L
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 COMPONENTS 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	FEMALE QUICK DISCONNECT	
34	91403414	1	MALE QUICK DISCONNECT	
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	

FIGURE 3-7. SHEET MATERIAL HANDLER

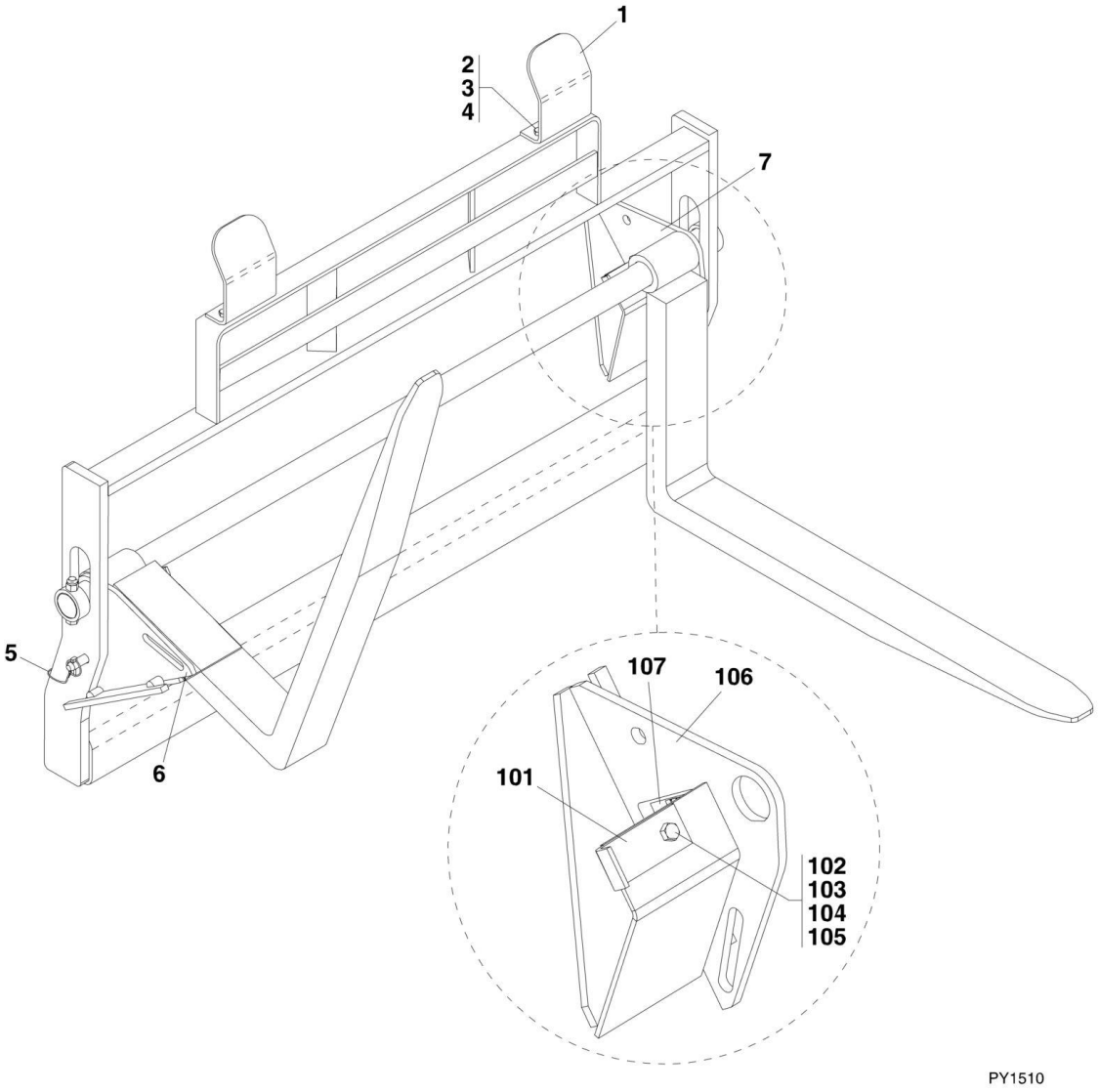


FIGURE 3-7. SHEET MATERIAL HANDLER

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)	B
7	1001101116	1	LH FORK SUPPORT ASSY, (includes items 101 thru 107)	C
101	7114941	1	LOCK BAR	
102	8303626	1	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5	
103	8305644	1	HEX LOCK NUT, 1/2-13	
104	8307007	1	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	

FIGURE 3-8. FORKS

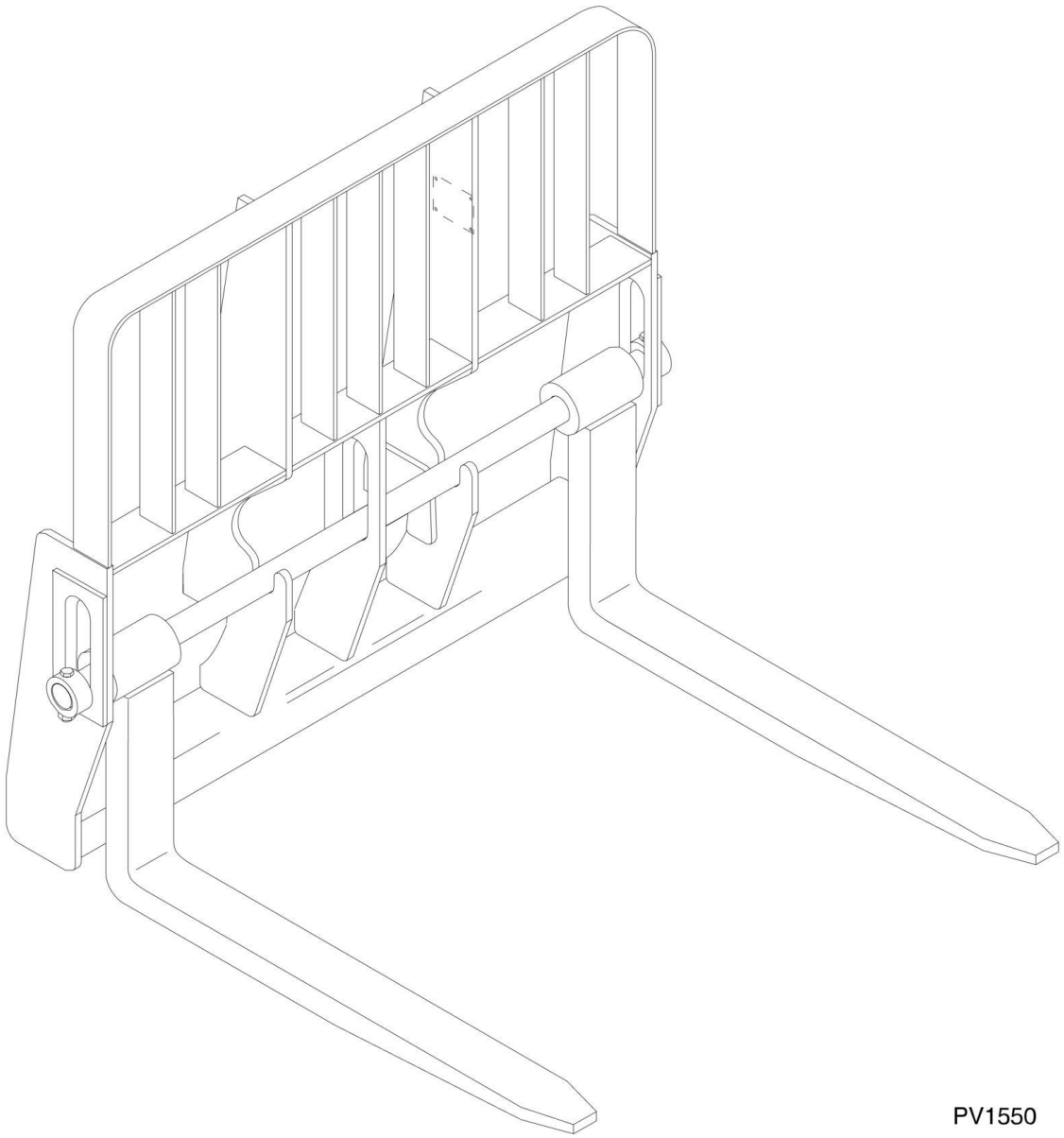


FIGURE 3-8. FORKS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2340037	6	CUBING FORK, 48 IN X 2 IN X 2 IN, 11,640 LB	A
	2340045	2	PALLET FORK, 48 IN X 4 IN X 2.36 IN, 10,950 LB	B
	2340038	2	PALLET FORK, 48 IN X 5 IN X 2.36 IN, 13,700 LB	B
	2340039	2	DUAL TAPER FORK, 60 IN X 6 IN X 2.36 IN, 16,300 LB	B
	2340046	2	DUAL TAPER FORK, 60 IN X 7 IN X 1.75, IN, 10,800 LB	B
	1001092391	2	DUAL TAPER FORK, 72 IN X 6 IN X 2 IN, 11,300 LB	B
	1001137512	2	90 IN FORK EXTENSION	D
N1	Note	Ref	**FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.**	
N2	Note	Ref	**PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.**	

FIGURE 3-9. FORK MOUNTED PLATFORM

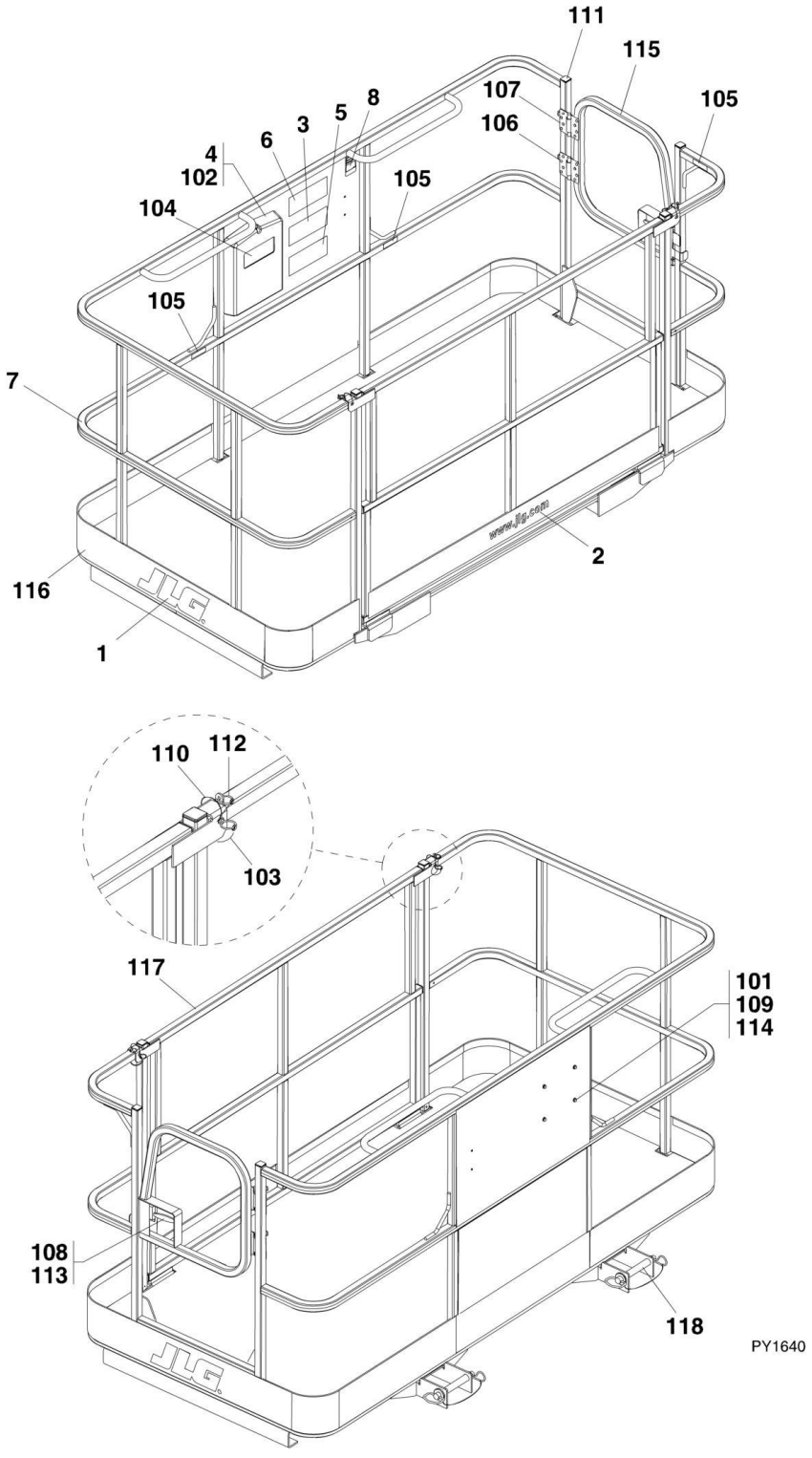


FIGURE 3-9. FORK MOUNTED PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103637	1	FORK MOUNTED PERSONNEL PLATFORM, (ASME), (includes items 1 thru 8)	E
	1001103730	1	FORK MOUNTED PERSONNEL PLATFORM, (ISO), (includes items 1 thru 8)	E
	1001103736	1	FORK MOUNTED PERSONNEL PLATFORM, (FRENCH), (includes items 1 thru 8)	E
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	CAPACITYDECAL, (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 NUT, 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	

FIGURE 3-10. LIFTING HOOK

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

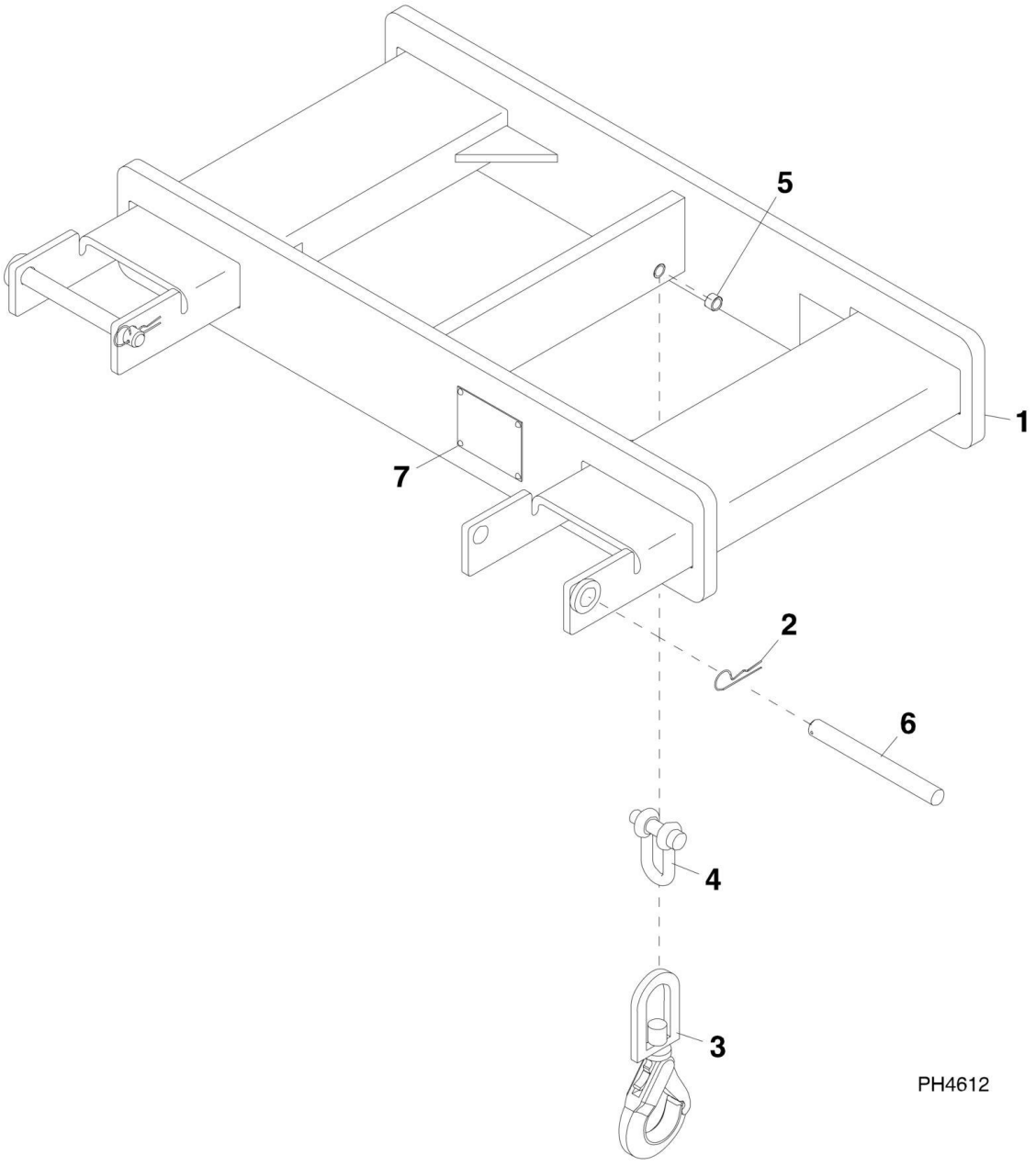


FIGURE 3-10. LIFTING HOOK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91565094	NLA	LIFTING HOOK, (no longer available, use 1001097205 for replacement or items 1 thru 7 for service)	G
	1001097205	1	FORK MOUNTED HOOK, (includes all items)	G
1	7029520	2	PIN, COTTER	
2	1001093171	2	PIN	
3	70020555	1	BUSHING	
4	90554080	1	HOOK	
5	7029521	1	SHACKLE	
6	N.S.S.	1	WELDMENT, HOOK	
7	N.S.S.	1	SN PLATE	

FIGURE 3-11. FORK PIN LOCK INSTALLATION

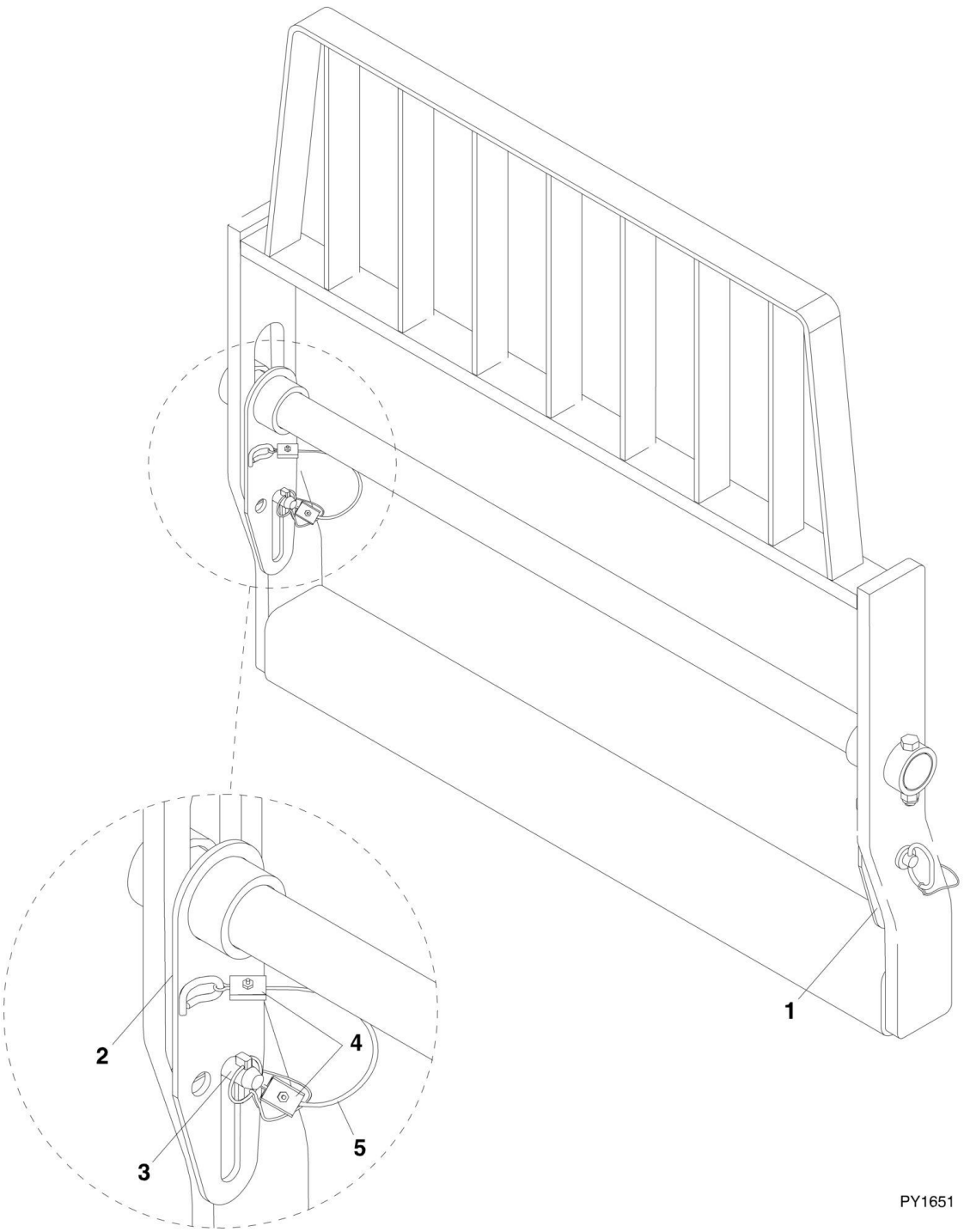


FIGURE 3-11. FORK PIN LOCK INSTALLATION

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	

FIGURE 3-12. BUCKETS

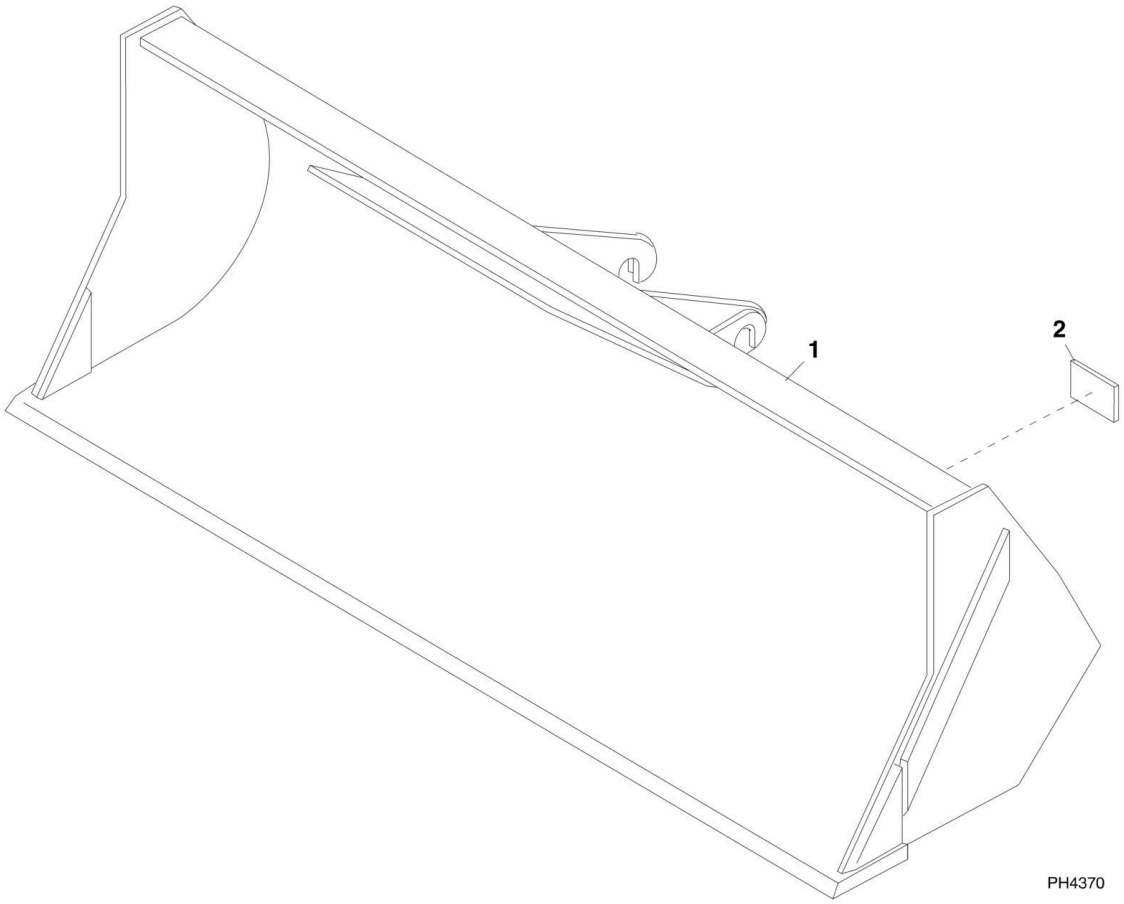


FIGURE 3-12. BUCKETS

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

FIGURE 3-13. GRAPPLE BUCKET

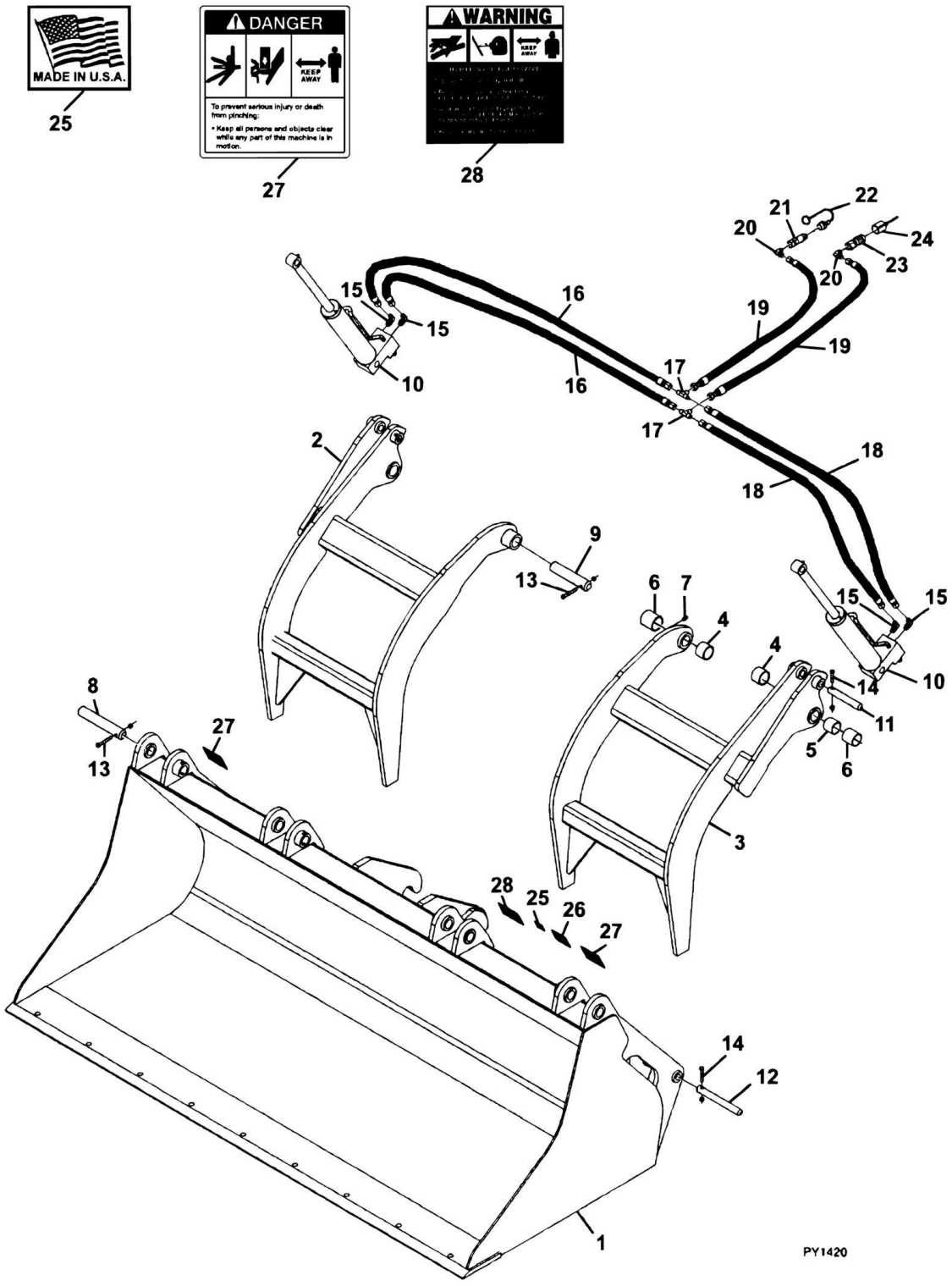


FIGURE 3-13. GRAPPLE BUCKET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0930020	1	GRAPPLE BUCKET, (includes all items)	H
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 COMPONENTS SECTION for Breakdown)	
11		Ref	CYLINDER PIN, (base end), (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
12		Ref	CYLINDER PIN, (rod end), (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
13	70021366	4	HEX HD CAPSCREW, 3/8X2-3/4	
13	70021367	4	LOCK NUT, 3/8	
14		Ref	HEX HD CAPSCREW, 3/8X2-1/4, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
14		Ref	LOCK NUT, 3/8, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
15	90554065	4	ELBOW, 90	
16	70021980	2	HOSE ASSY, 3/8X73	
17	70020562	2	FITTING, TEE	
18	70021981	2	HOSE ASSY, 3/8X46	
19	70021982	2	HOSE ASSY, 3/8X34	
20	70022527	2	ELBOW, 90	
21	7029692	1	MALE QUICK COUPLER	
22	90554062	1	DUST COVER	
23	70021342	1	FEMALE QUICK COUPLER	
24	90554076	1	DUST COVER	
25	90554016	1	MADE IN USA DECAL	
26	N.S.S.	1	SN PLATE	
27	90554017	2	DANGER PINCH POINT DECAL	
28	90554018	1	WARNING HIGH PRESSURE DECAL	

FIGURE 3-14. TRUSS BOOM

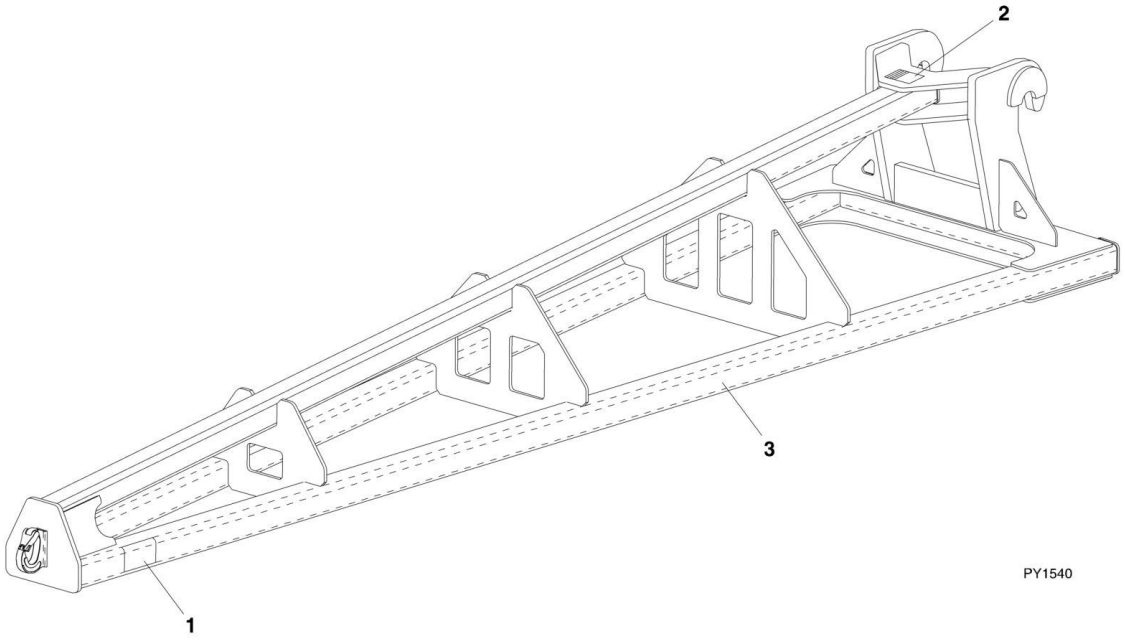


FIGURE 3-14. TRUSS BOOM

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

FIGURE 3-15. 12FT TRUSS BOOM WITH WINCH

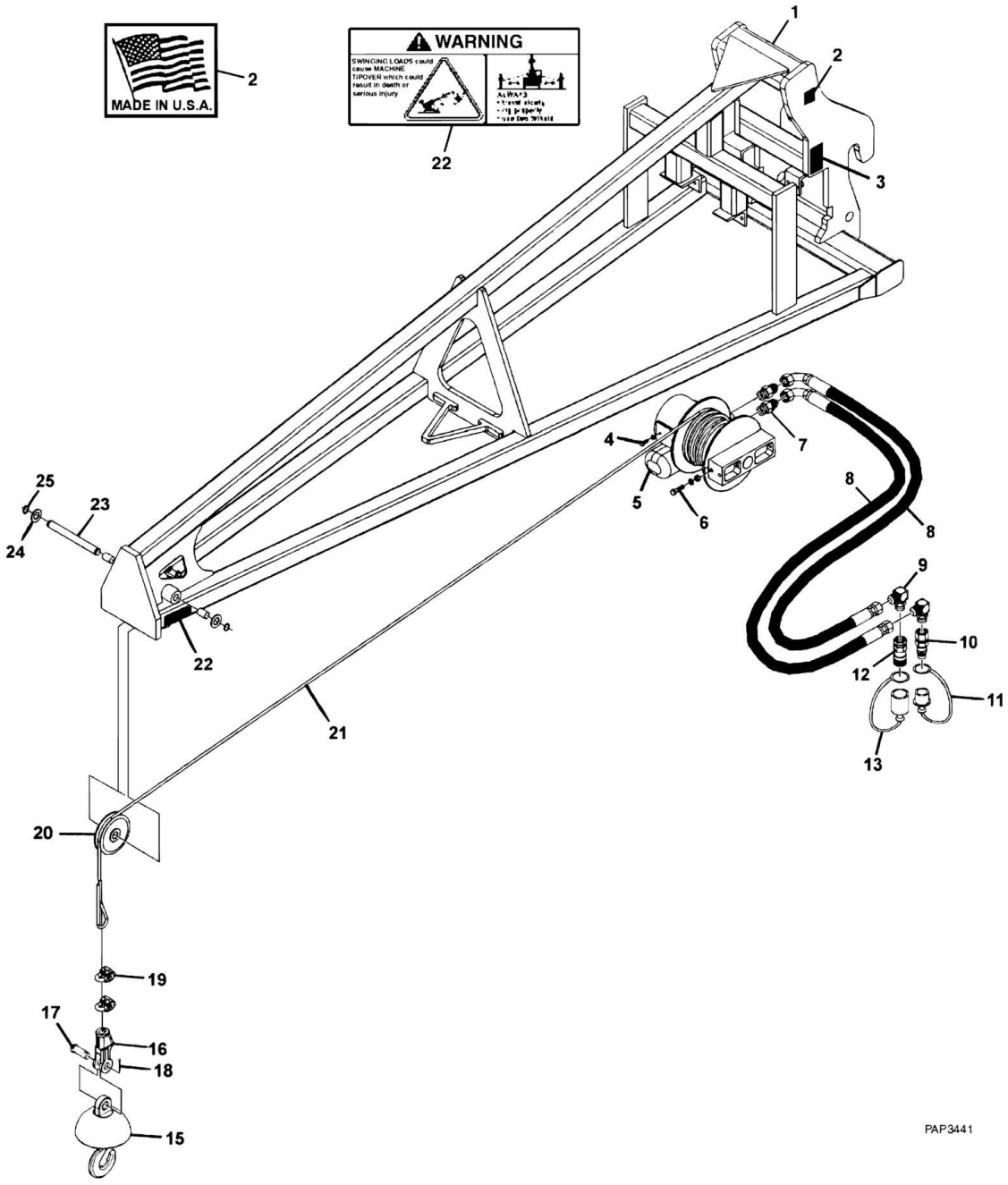
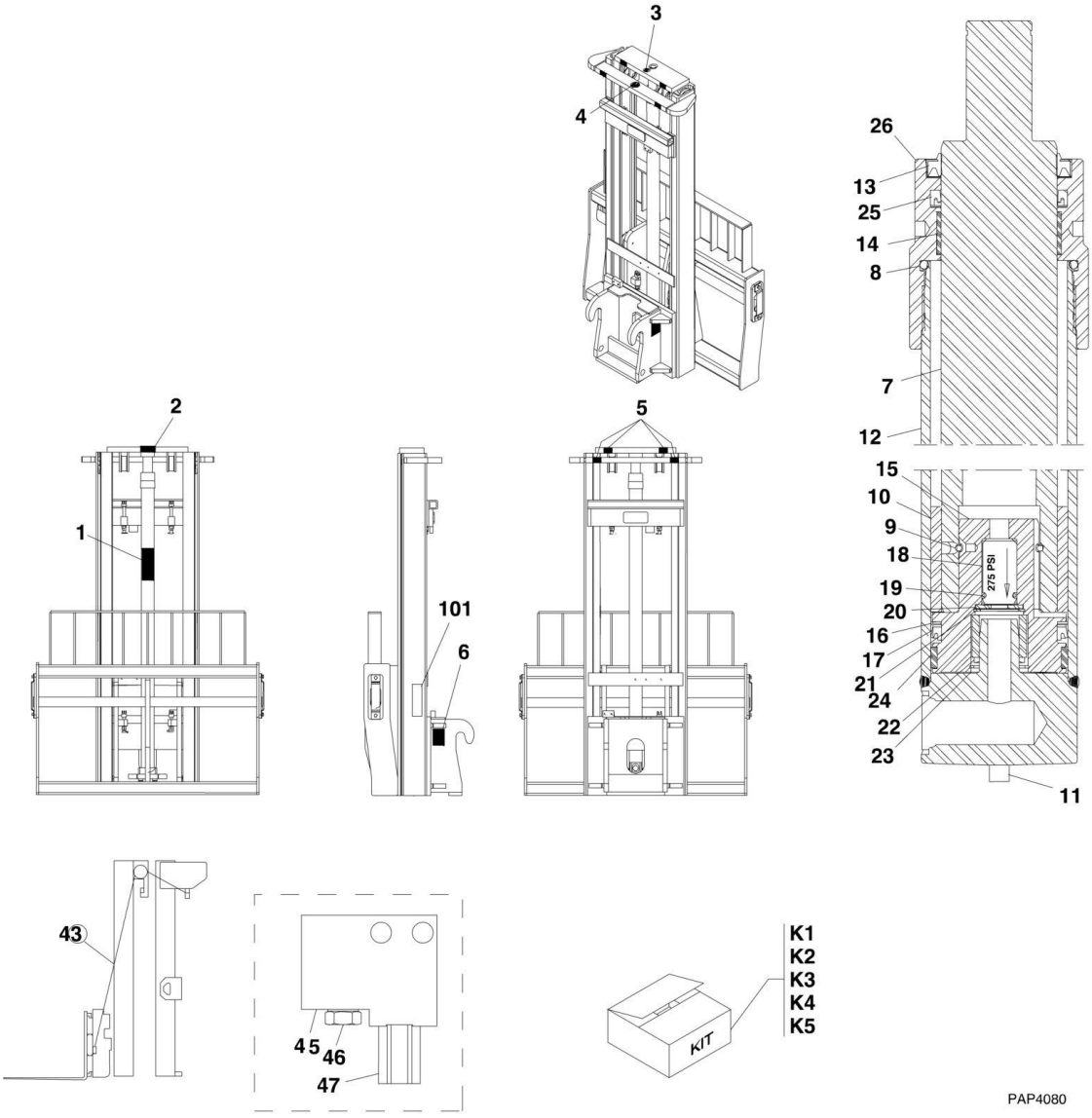


FIGURE 3-15. 12FT TRUSS BOOM WITH WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099351	1	12 FT TRUSS BOOM WITH WINCH, (includes all items)	G
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	
15	70021978	1	BALL SWIVEL WITH SAFETY HOOK	
16	70021979	1	SOCKET ASSY	
17	N.S.S.	1	PIN	
18	N.S.S.	1	COTTER PIN	
19	N.S.S.	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	

FIGURE 3-16. 8FT MAST



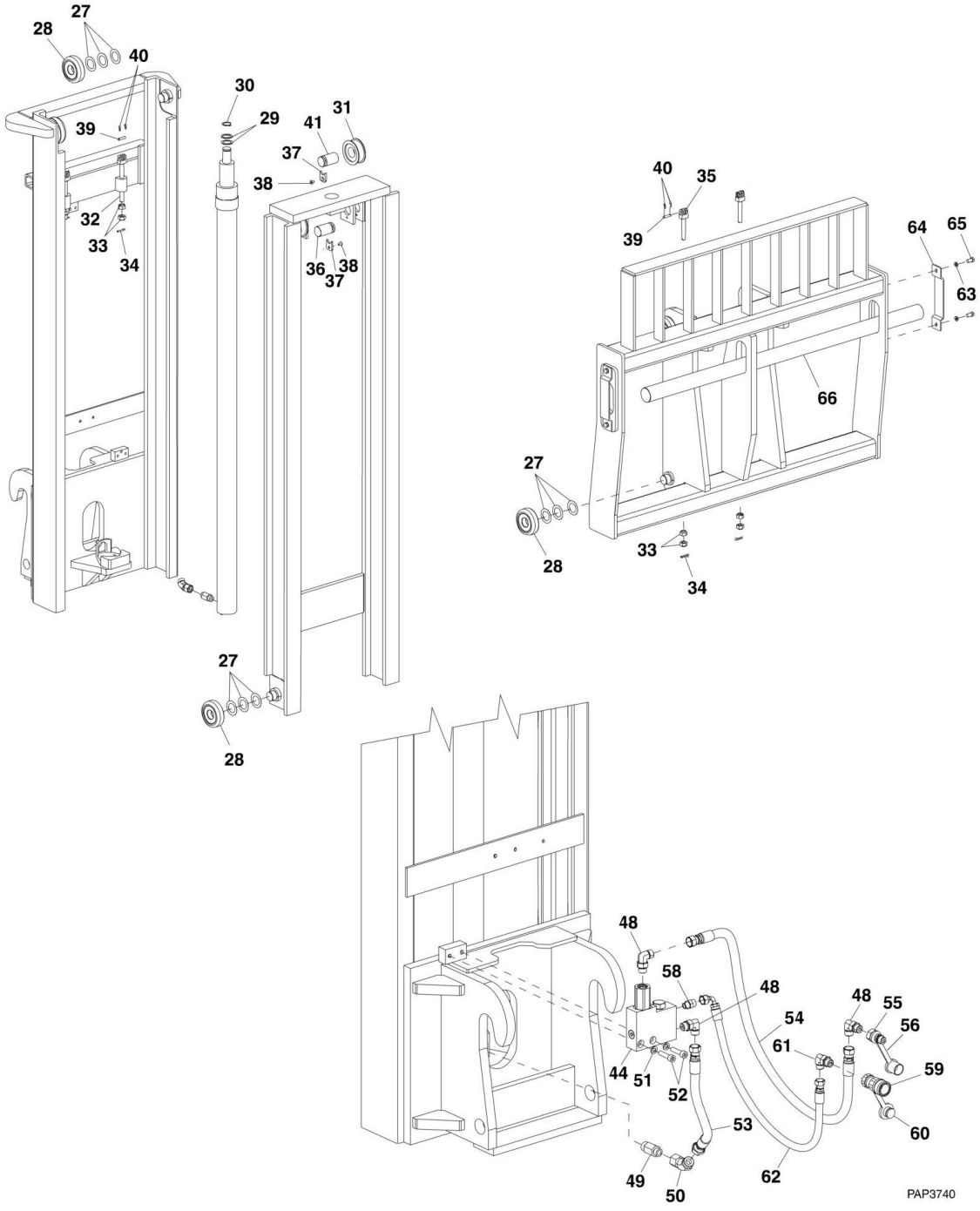

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FIGURE 3-16. 8FT MAST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108668	1	8 FT MAST ASSY, (4500 LB), (includes all items)	C
1	Kit	1	WARNING DECAL	
2	Kit	1	WARNING DECAL	
3	Kit	1	NO STEP DECAL	
4	Kit	1	NO STEP DECAL	
5	Kit	4	HANDS OFF DECAL	
6	Kit	2	HOSE ROUTING DECAL	
6	70023008	1	MAIN LIFT CYLINDER, (includes items 7 thru 26)	
7	N.S.S.	1	ROD/PLUNGER	
8	Kit	1	O-RING	
9	Kit	1	PULL WIRE	
10	N.S.S.	1	SPACER	
11	N.S.S.	2	ROLL PIN	
12	N.S.S.	1	BARREL	
13	Kit	1	WIPER	
14	Kit	1	BUSHING	
15	N.S.S.	1	PISTON	
16	Kit	1	NYLON RING	
17	Kit	1	PISTON SEAL	
18	Kit	1	CHECK VALVE	
19	Kit	1	O-RING	
20	Kit	1	WASHER	
21	Kit	1	CIRCLIP	
22	N.S.S.	1	SLEEVE	
23	Kit	1	RETAINING RING	
21	Kit	1	WEAR RING	
25	Kit	1	ROD SEAL	
26	70023004	1	RETAINER/GLAND	
27	70023014	24	SHIM	
28	70022987	8	BALL BEARING	
29	Kit	1	WASHER SHIM	
30	70023016	1	SNAP RING	
31	70022969	2	SHEAVE ASSY	
32	70022960	2	CHAIN ANCHOR	
33	70022957	8	NUT, 0.625-18UNF	
34	70022993	4	COTTER PIN	
35	70022995	2	CHAIN ANCHOR	
36	70022984	1	SHEAVE SHAFT	
37	70022970	2	RETAINER BAR	
38	70023003	2	FLAT HD CAPSCREW	
39	70022994	4	CHAIN ANCHOR PIN	
40	70022992	8	COTTER PIN	
41	70022985	1	SHEAVE SHAFT	
43	70023009	2	LIFT CHAIN	
44	70022932	1	PO CHECK VALVE ASSY, (includes items 45, 46 & 47)	
45	N.S.S.	1	MANIFOLD	
46	70022931	1	PO CHECK VALVE CARTRIDGE	
47	70023010	1	PO CHECK	
48	70022934	3	FITTING, 90	
49	70022936	1	FLOW LIMITER	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	70022937	1	FITTING, 45	
51	70022949	2	LOCKWASHER, M10	
52	70022950	2	HEX SOCKET CAPSCREW	
53	70022942	1	HOSE ASSY	
54	70022952	1	HOSE ASSY	
55	91403414	1	MALE QUICK DISCONNECT	
56	91043126	1	DUST CAP	
58	70022939	1	STRAIGHT FITTING, #6	
59	91403413	1	FEMALE QUICK DISCONNECT	
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 & 23-25)	
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)	

FIGURE 3-17. ADJUSTABLE TRUSS BOOM

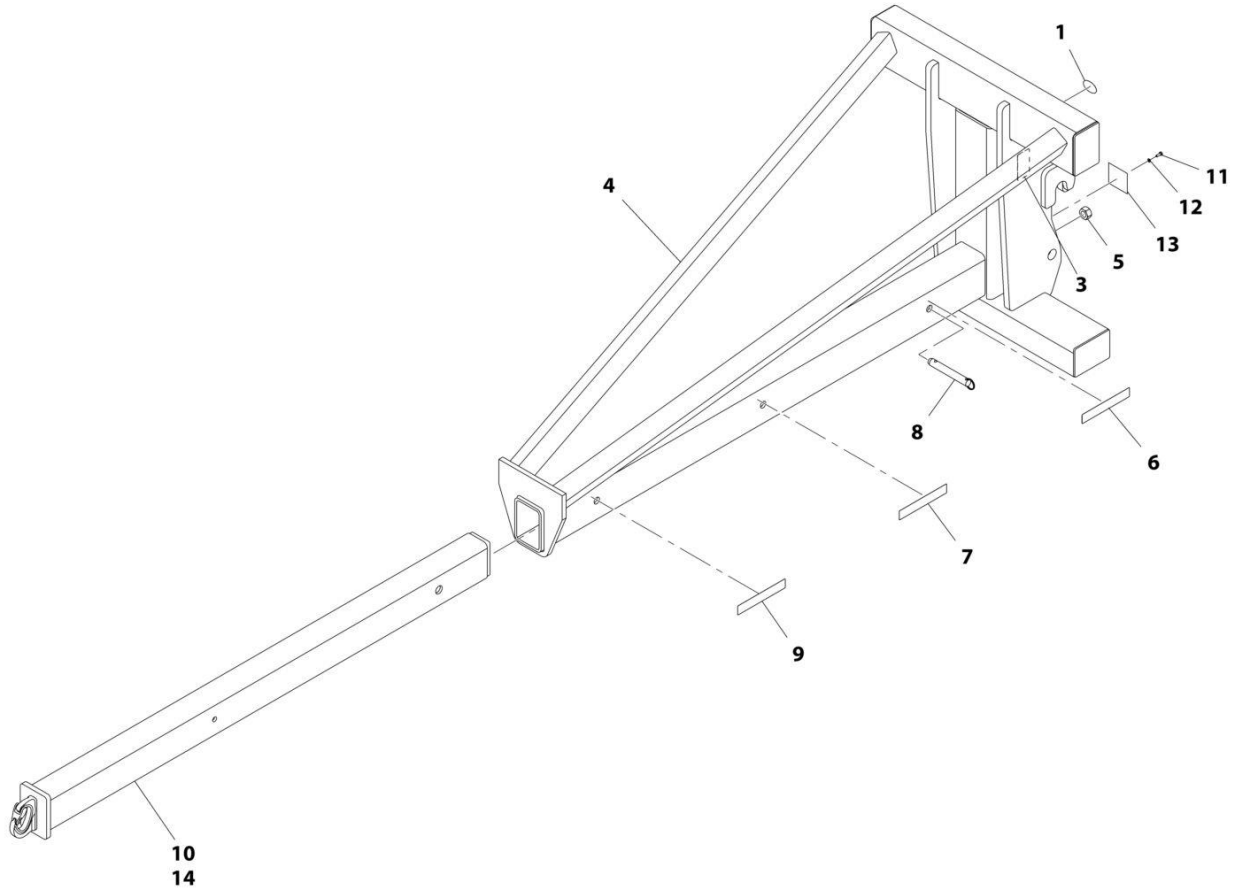


FIGURE 3-17. ADJUSTABLE TRUSS BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176515	1	ADJUSTABLE TRUSS BOOM	A
1	90554016	1	DECAL, MADE IN USA	
3	N.S.S.	1	SN PLATE	
4	N.S.S.	1	TRUSS BOOM, ADJUSTABLE	
5	70021440	1	NUT, LOCK	
6	70024062	2	DECAL, 4000 LBS CAP	
7	70026944	2	DECAL, 3000 LBS CAP	
8	70026946	1	PIN	
9	70026699	2	DECAL, 2000 LBS CAP	
10	70026747	1	STOP ROD, BOOM EXTENSION	
11	90554033	1	BOLT, 3/4X1/4	
12	90554034	1	WASHER, LOCK 1/4	
13	70026948	1	PLATE, STOP	
14	70026949	1	BOOM, TELESCOPIC	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-1. ENGINE INSTALLATION IF EQUIPPED FOR ULS

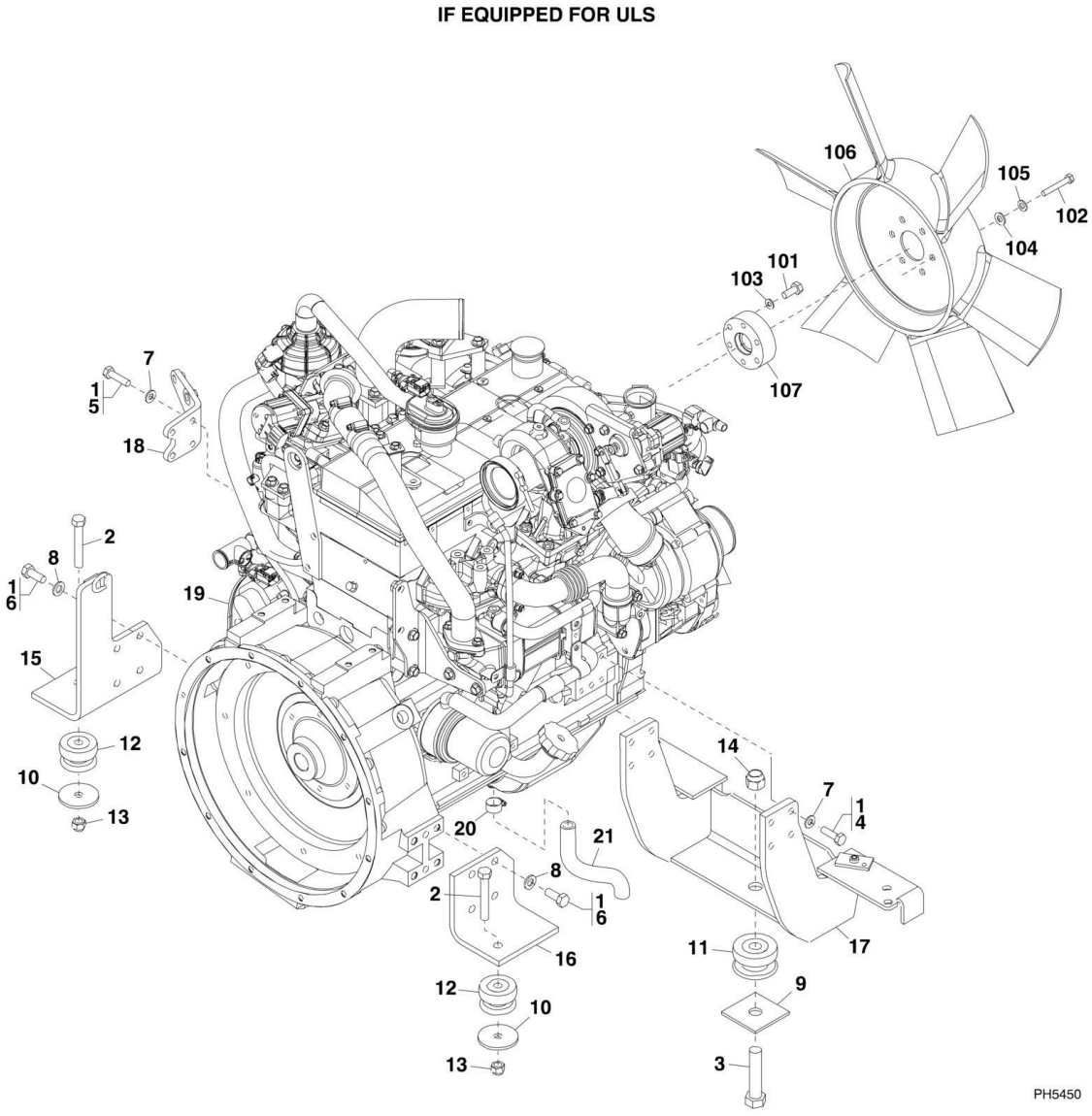


FIGURE 4-1. ENGINE INSTALLATION IF EQUIPPED FOR ULS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121129	Ref	ENGINE INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 21 for service)	E
1	0100011	AR	LOCTITE 242, (apply to items 4, 5 & 6)	
2	0681826	2	HEX HD CAPSCREW, 1/2-13X3-1/4	
3	0682228	1	HEX HD CAPSCREW, 3/4-10X3-1/2	
4	0711015	4	HEX HD CAPSCREW, M10X35, GR10.9	
5	0711016	4	HEX HD CAPSCREW, M10X40, GR10.9	
6	0701214	8	HEX HD CAPSCREW, M12X30, GR8.8	
7	4812000	8	WASHER, 10MM	
8	4812100	8	WASHER, 12MM	
9	7054351	1	REBOUND WASHER	
10	7095831	2	REBOUND WASHER	
11	8278007	1	RUBBER MOUNT	
12	8278012	2	CENTER BONDED MOUNT	
13	8305644	2	HEX LOCKNUT, 1/2-13	
14	8310067	1	HEX LOCKNUT, 3/4-10	
15	1001121596	1	RH ENGINE MOUNT	
16	1001125495	1	LH FRONT ENGINE MOUNT BRACKET	
17	1001118742	1	REAR ENGINE MOUNT BRACKET	
18	1001120687	1	PRIMARY FILTER BRACKET	
19		Ref	CUMMINS ENGINE, QSB3.3, 100HP TIER 4i, (See CUMMINS ENGINE IF EQUIPPED FOR ULS for Breakdown)	
20	8405007	1	GEAR CLAMP	
21	1001109536	1	OIL DRAIN HOSE	
	1001121245	Ref	FAN INSTALLATION, (if equipped for ULS), (not available to order, see items 101 thru 107 for service)	B
101	0710819	6	HEX HD CAPSCREW, M8X55, GR10.9	
102	0761012	6	HEX HD CAPSCREW, M10X25, GR8.8	
103	4811900	6	WASHER, 8MM	
104	4812000	6	WASHER, 10MM	
105	4832000	6	SPRING LOCKWASHER, 10MM	
106	1001121646	1	SUCTION FAN	
107	1001129191	1	FAN SPACER COUPLING	

FIGURE 4-2. ENGINE INSTALLATION IF EQUIPPED FOR LS

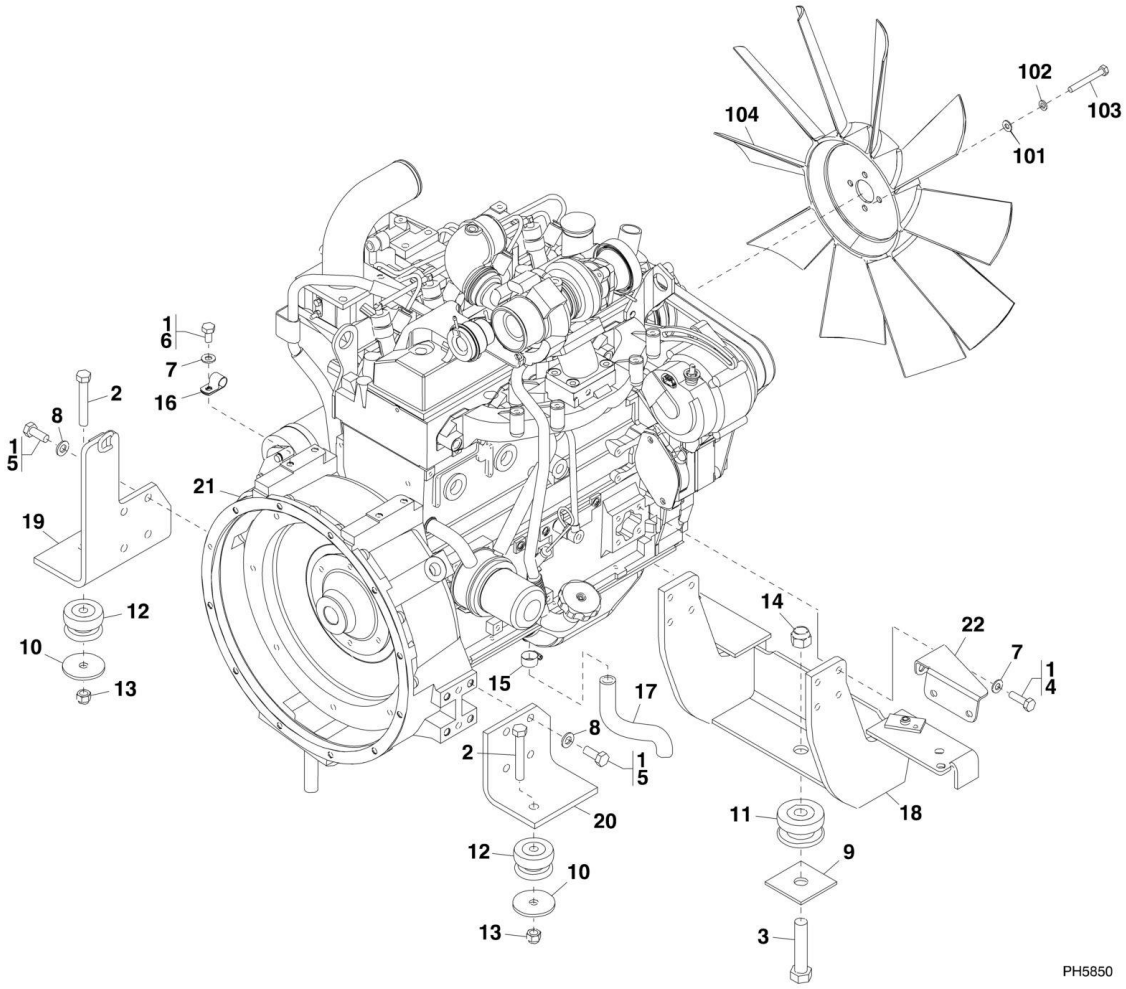


FIGURE 4-2. ENGINE INSTALLATION IF EQUIPPED FOR LS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131382	Ref	ENGINE INSTALLATION, (if equipped for LS), (not available to order, see items 1 thru 22 for service)	B
1	0100011	AR	LOCTITE 242, (apply to items 4, 5 & 6)	
2	0681826	2	HEX HD CAPSCREW, 1/2-13X3-1/4	
3	0682228	1	HEX HD CAPSCREW, 3/4-10X3-1/2	
4	0711015	8	HEX HD CAPSCREW, M10X35, GR10.9	
5	0711214	8	HEX HD CAPSCREW, M12X30, GR10.9	
6	0761010	2	HEX HD CAPSCREW, M10X20, GR8.8	
7	4812000	10	WASHER, 10MM	
8	4812100	8	WASHER, 12MM	
9	7054351	1	REBOUND WASHER	
10	7095831	2	REBOUND WASHER	
11	8278007	1	RUBBER MOUNT	
12	8278012	2	CENTER BONDED MOUNT	
13	8305644	2	HEX LOCKNUT, 1/2-13	
14	8310067	1	HEX LOCKNUT, 3/4-10	
15	8405007	1	GEAR CLAMP	
16	8406101	2	TUBE CLIP, 5/8	
17	1001109536	1	OIL DRAIN HOSE	
18	1001118742	1	REAR ENGINE MOUNT BRACKET	
19	1001121596	1	RH ENGINE MOUNT	
20	1001125495	1	LH FRONT ENGINE MOUNT BRACKET	
21		Ref	CUMMINS ENGINE, QSB3.3, 110HP TIER 3, (See CUMMINS ENGINE IF EQUIPPED FOR ULS for Breakdown)	
22	1001132004	1	PIPE SUPPORT BRACKET	
	1001131385	Ref	FAN INSTALLATION, (if equipped for LS), (not available to order, see items 101 thru 104 for service)	A
101	4811900	4	WASHER, 8MM	
102	4831900	4	SPRING LOCKWASHER, 8MM	
103	10704137	4	HEX HD CAPSCREW, M8X65, GR10.9	
104	1001098559	1	SUCTION FAN	

FIGURE 4-3. CUMMINS ENGINE IF EQUIPPED FOR ULS (Prior to SN 0160068606)

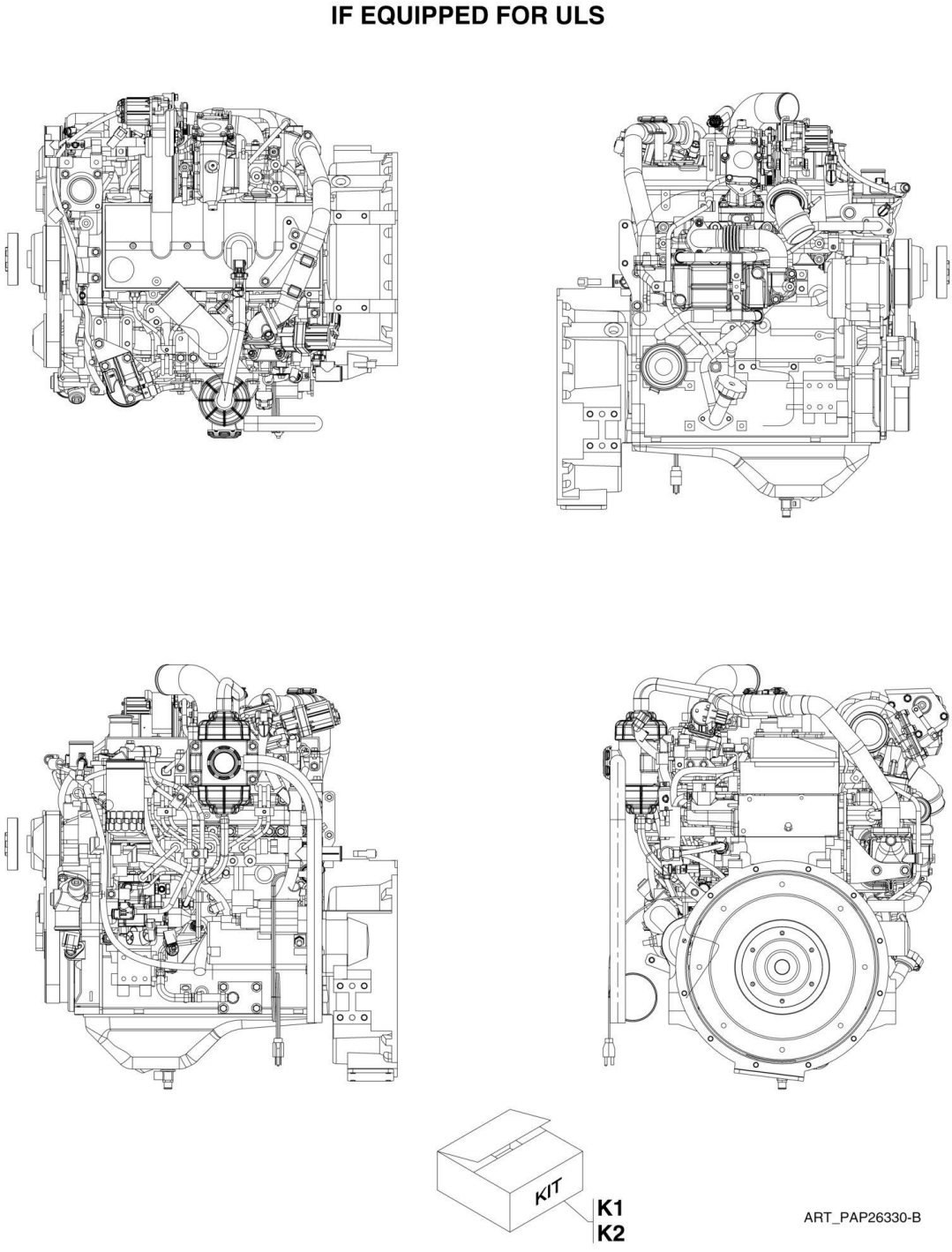


FIGURE 4-3. CUMMINS ENGINE IF EQUIPPED FOR ULS (Prior to SN 0160068606)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121233	1	CUMMINS ENGINE, QSB3.3, 100HP TIER 4i, (if equipped for ULS), (includes all items)	H
	70024274	1	FAN BELT	
	70024275	1	FAN SPACER	
	70024276	1	ALTERNATOR	
	70024277	1	STARTER	
	70024278	1	OIL FILTER ELEMENT	
	70024279	1	DIPSTICK	
	70024280	1	DIPSTICK TUBE	
	70026428	1	FUEL PUMP	
	70022842	1	OIL FILL CAP	
	70024281	1	THERMOSTAT	
	70023812	1	SECONDARY FUEL FILTER	
	70022846	1	PRIMARY FUEL FILTER	
	70022844	1	OIL PAN PLUG	
	70024284	1	CRANKCASE VENT FILTER ELEMENT	
	70024588	4	INJECTOR	
	70024589	8	O-RING, INJECTOR TO ENGINE	
	70024590	4	O-RING, INJECTOR CLAMP	
	70024627	4	GASKET, INJECTOR	
	70024628	4	CLAMP, INJECTOR	
	70024629	4	CAPSCREW, TWELVE POINT	
	70024630	4	PLAIN WASHER	
	70024623	1	ENGINE HARNESS	
	7029947	1	OIL TEMPERATURE SWITCH, (includes o-ring)	
	70026815	1	FLYWHEEL	
	70025305	1	WATER PUMP	
	70026679	1	BANJO BOLT	
K1	1001150523	1	FILTER KIT, 250 HOUR, (if equipped for ULS), (includes all items)	A
K1	70024278	1	ENGINE OIL FILTER	
K1	70023812	1	SECONDARY FUEL FILTER	
K1	70022846	1	PRIMARY FUEL FILTER	
K1	70024177	1	PRIMARY AIR FILTER ELEMENT	
K1	70024176	1	SECONDARY AIR FILTER ELEMENT	
K2	1001150526	1	FILTER KIT, 1000 HOUR, (if equipped for ULS), (includes all items)	A
K2	70024278	1	ENGINE OIL FILTER	
K2	70023812	1	SECONDARY FUEL FILTER	
K2	70022846	1	PRIMARY FUEL FILTER	
K2	70024177	1	PRIMARY AIR FILTER ELEMENT	
K2	70024176	1	SECONDARY AIR FILTER ELEMENT	
K2	8320265	1	HYDRAULIC RETURN FILTER	
K2	7139077	1	HYDRAULIC BREATHER	
K2	70024284	1	CRANKCASE VENT FILTER ELEMENT	
K2	1319726	1	TRANSMISSION FILTER	

FIGURE 4-4. CUMMINS ENGINE IF EQUIPPED FOR ULS (SN 0160068606 to Present)

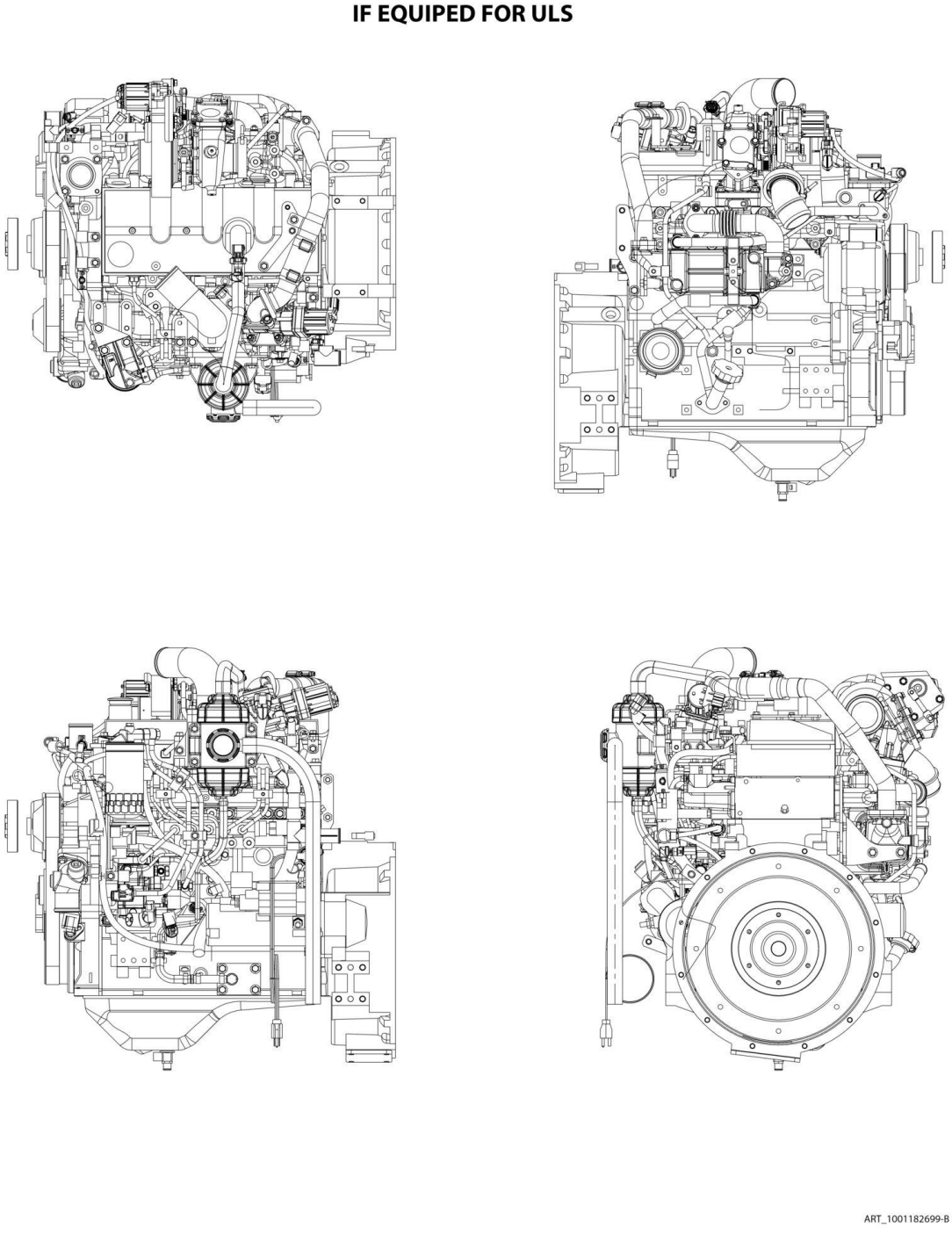


FIGURE 4-4. CUMMINS ENGINE IF EQUIPPED FOR ULS (SN 0160068606 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182699	1	CUMMINS ENGINE, QSB3.3, 100HP TIER 4i, (if equipped for ULS)	B
	70024274	1	FAN BELT	
	70024275	1	FAN SPACER	
	70024276	1	ALTERNATOR	
	70024277	1	STARTER	
	8036204	1	OIL FILTER ELEMENT	
	70024279	1	DIPSTICK	
	70024280	1	DIPSTICK TUBE	
	70022843	1	OIL FILL CAP	
	70024281	1	THERMOSTAT	
	70023812	1	SECONDARY FUEL FILTER	
	70022846	1	PRIMARY FUEL FILTER	
	70022844	1	OIL PAN PLUG	
	70027104	1	CRANKCASE VENT FILTER ELEMENT	
	70024588	4	INJECTOR	
	70024589	8	O-RING, INJECTOR TO ENGINE	
	70024590	4	O-RING, INJECTOR CLAMP	
	70024627	4	GASKET, INJECTOR	
	70024628	4	CLAMP, INJECTOR	
	70024629	4	CAPSCREW, TWELVE POINT	
	70024630	4	PLAIN WASHER	
	70024623	1	ENGINE HARNESS	
	7029947	1	OIL TEMPERATURE SWITCH, (includes o-ring)	
	70026815	1	FLYWHEEL	

FIGURE 4-5. CUMMINS ENGINE IF EQUIPPED FOR LS

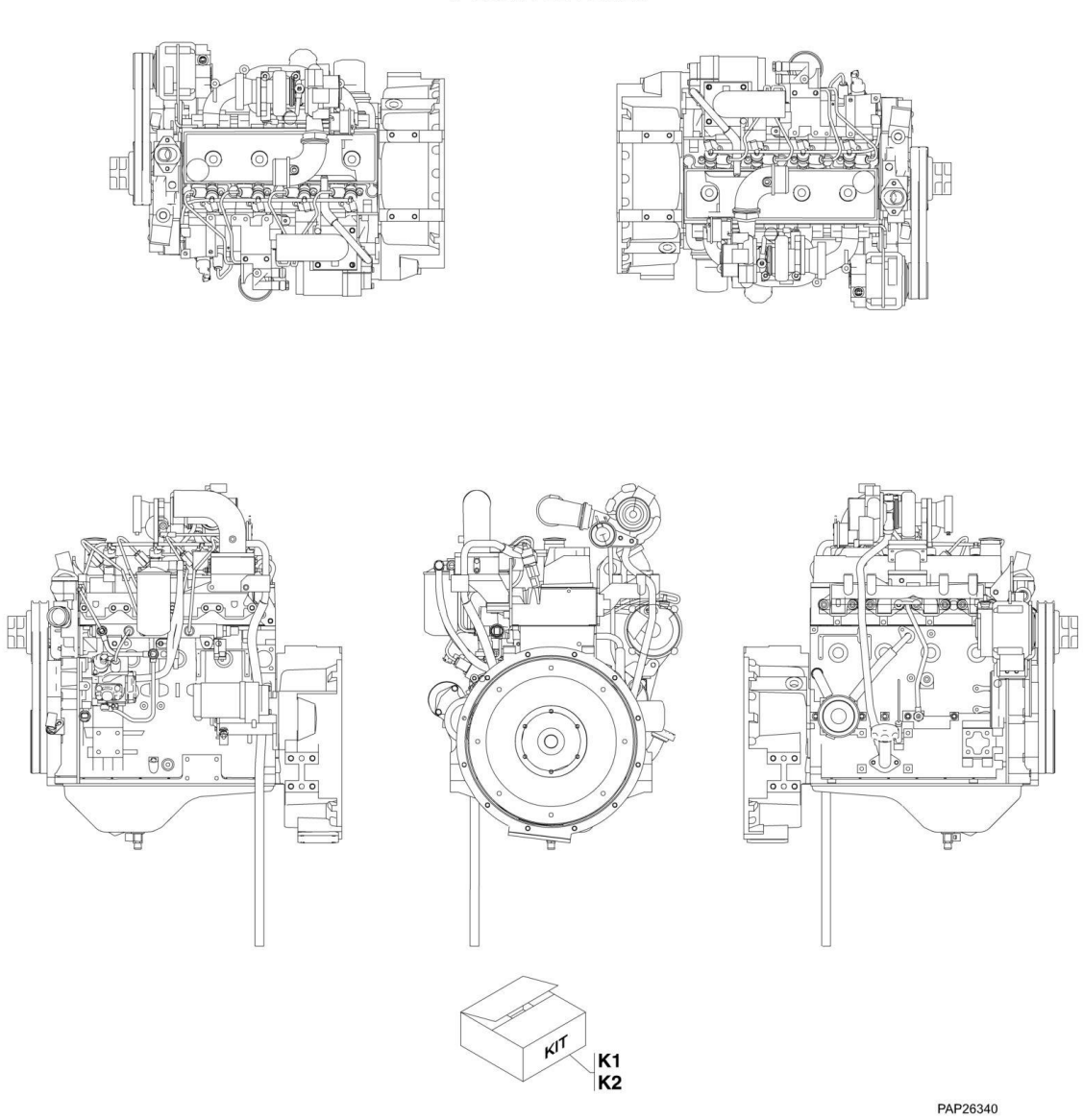


FIGURE 4-5. CUMMINS ENGINE IF EQUIPPED FOR LS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131343	1	CUMMINS ENGINE, QSB3.3, 110HP TIER 3, (if equipped for LS), (includes all items)	B
	70024285	1	FAN BELT	
	70021849	1	ALTERNATOR	
	70021850	1	STARTER	
	8036204	1	OIL FILTER ELEMENT	
	70021584	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	
	70024156	1	PRIMARY FUEL FILTER ELEMENT	
K1	1001150524	1	FILTER KIT, 250 HOUR, (if equipped for LS), (includes all items)	A
K1	8036204	1	ENGINE OIL FILTER	
K1	70022846	1	SECONDARY FUEL FILTER	
K1	70024156	1	PRIMARY FUEL FILTER	
K1	1101312	1	PRIMARY AIR FILTER ELEMENT	
K1	1101313	1	SECONDARY AIR FILTER ELEMENT	
K2	1001150525	1	FILTER KIT, 1000 HOUR, (if equipped for LS), (includes all items)	A
K2	8036204	1	ENGINE OIL FILTER	
K2	70022846	1	SECONDARY FUEL FILTER	
K2	70024156	1	PRIMARY FUEL FILTER	
K2	1101312	1	PRIMARY AIR FILTER ELEMENT	
K2	1101313	1	SECONDARY AIR FILTER ELEMENT	
K2	8320265	1	HYDRAULIC RETURN FILTER	
K2	7139077	1	HYDRAULIC BREATHER	
K2	1319726	1	TRANSMISSION FILTER	

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

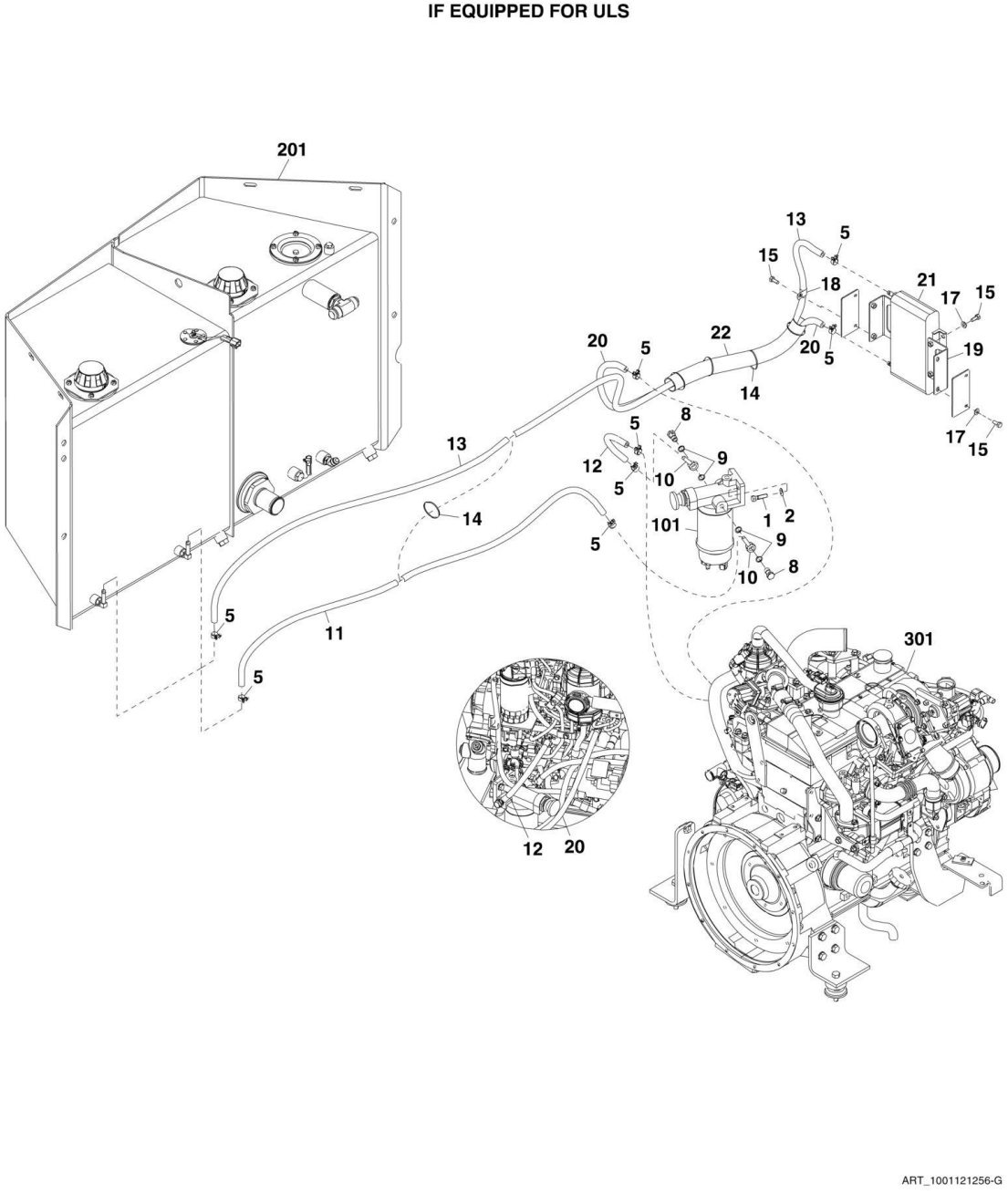


FIGURE 4-6. FUEL TANK AND LINES IF EQUIPPED FOR ULS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121256	Ref	FUEL LINES INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 22 for service) **(Prior to SN 0160065535)**	G
1	0641611	2	HEX HD CAPSCREW, 3/8-16X1-3/8	
2	4711600	2	PLAIN WASHER, 3/8	
5	1001136975	8	FUEL HOSE CLAMP	
8	1001102931	2	BANJO BOLT, M14	
9	1001102933	4	COPPER RING SEAL	
10	1001113511	2	BANJO ADAPTER, M14X3/8	
11	1001125038	1	FUEL SUPPLY FILTER HOSE	
12	1001125039	1	FUEL SUPPLY ENGINE HOSE	
13	1001134467	1	FUEL RETURN HOSE	
14	4240017	5	TIE STRAP	
15	0641506	8	HEX HD CAPSCREW, 5/16-18X3/4	
17	4711500	7	PLAIN WASHER, 5/16	
18	8406101	1	TUBE CLIP, 5/8	
19	1001138700	2	FUEL COOLER BRACKET	
20	1001134466	1	FUEL RETURN HOSE	
21	1001134516	1	FUEL RADIATOR	
22	1001136358	1	ABRASION SLEEVE	
101		Ref	FUEL FILTER, (See CUMMINS ENGINE IF EQUIPPED FOR ULS for Breakdown)	
201		Ref	FUEL/HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
301		Ref	CUMMINS ENGINE, QSB3.3, 100HP TIER 4i, (See CUMMINS ENGINE IF EQUIPPED FOR ULS for Breakdown)	

FIGURE 4-7. FUEL TANK AND LINES IF EQUIPPED FOR ULS

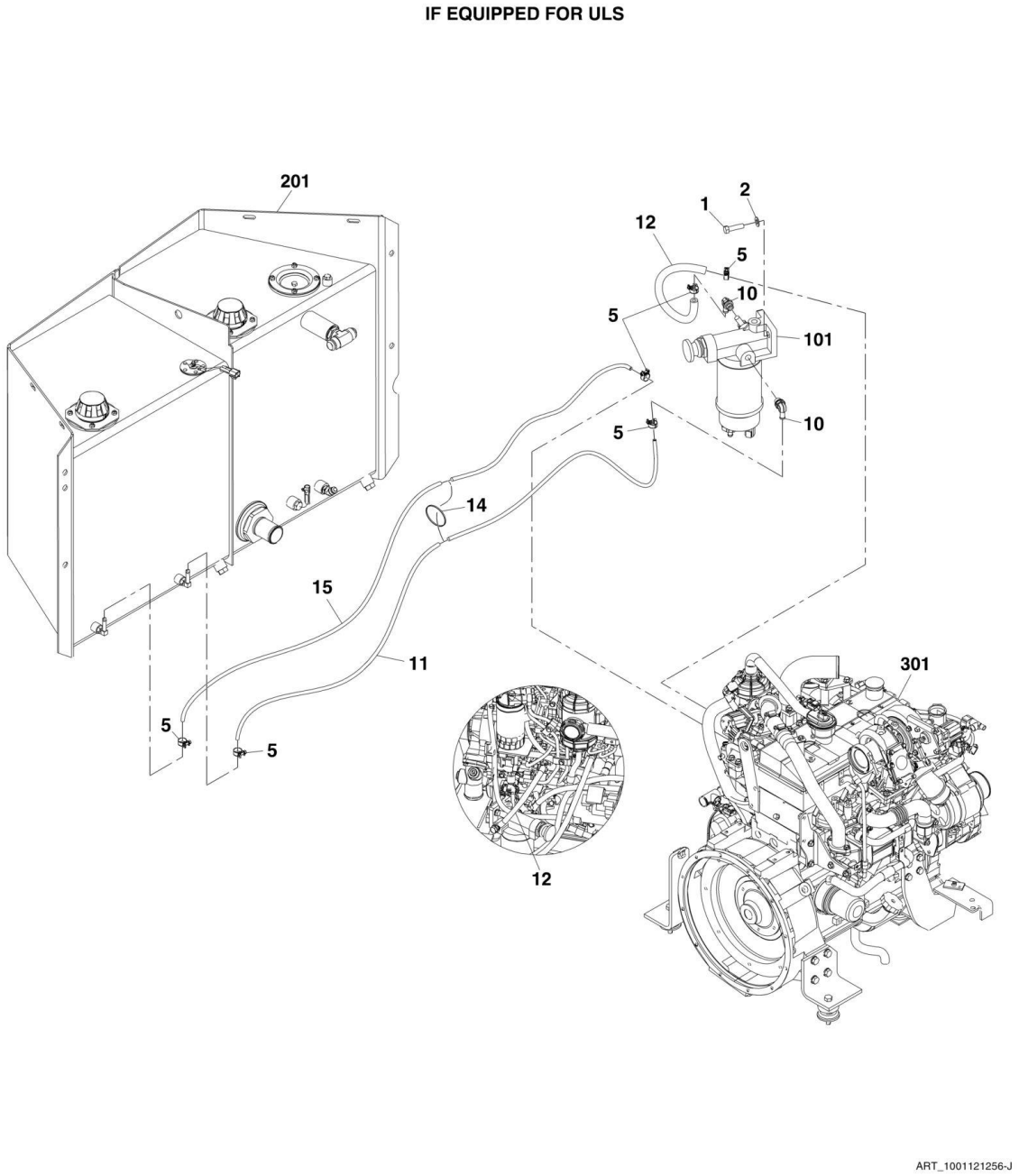


FIGURE 4-7. FUEL TANK AND LINES IF EQUIPPED FOR ULS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121256	Ref	FUEL LINES INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 15 for service) **(SN 0160065535 to Present)**	J
1	0641611	2	HEX HD CAPSCREW, 3/8-16X1-3/8	
2	4711600	2	PLAIN WASHER, 3/8	
5	1001136975	6	FUEL HOSE CLAMP	
10	1001182094	2	BARB ELBOW HOSE	
11	1001125038	1	FUEL SUPPLY FILTER HOSE	
12	1001125039	1	FUEL SUPPLY ENGINE HOSE	
14	4240017	1	TIE STRAP	
15	1001125040	1	FUEL RETURN HOSE	
101		Ref	FUEL FILTER, (See CUMMINS ENGINE IF EQUIPPED FOR ULS for Breakdown)	
201		Ref	FUEL/HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
301		Ref	CUMMINS ENGINE, QSB3.3, 100HP TIER 4i, (See CUMMINS ENGINE IF EQUIPPED FOR ULS for Breakdown)	

FIGURE 4-8. FUEL TANK AND LINES IF EQUIPPED FOR LS

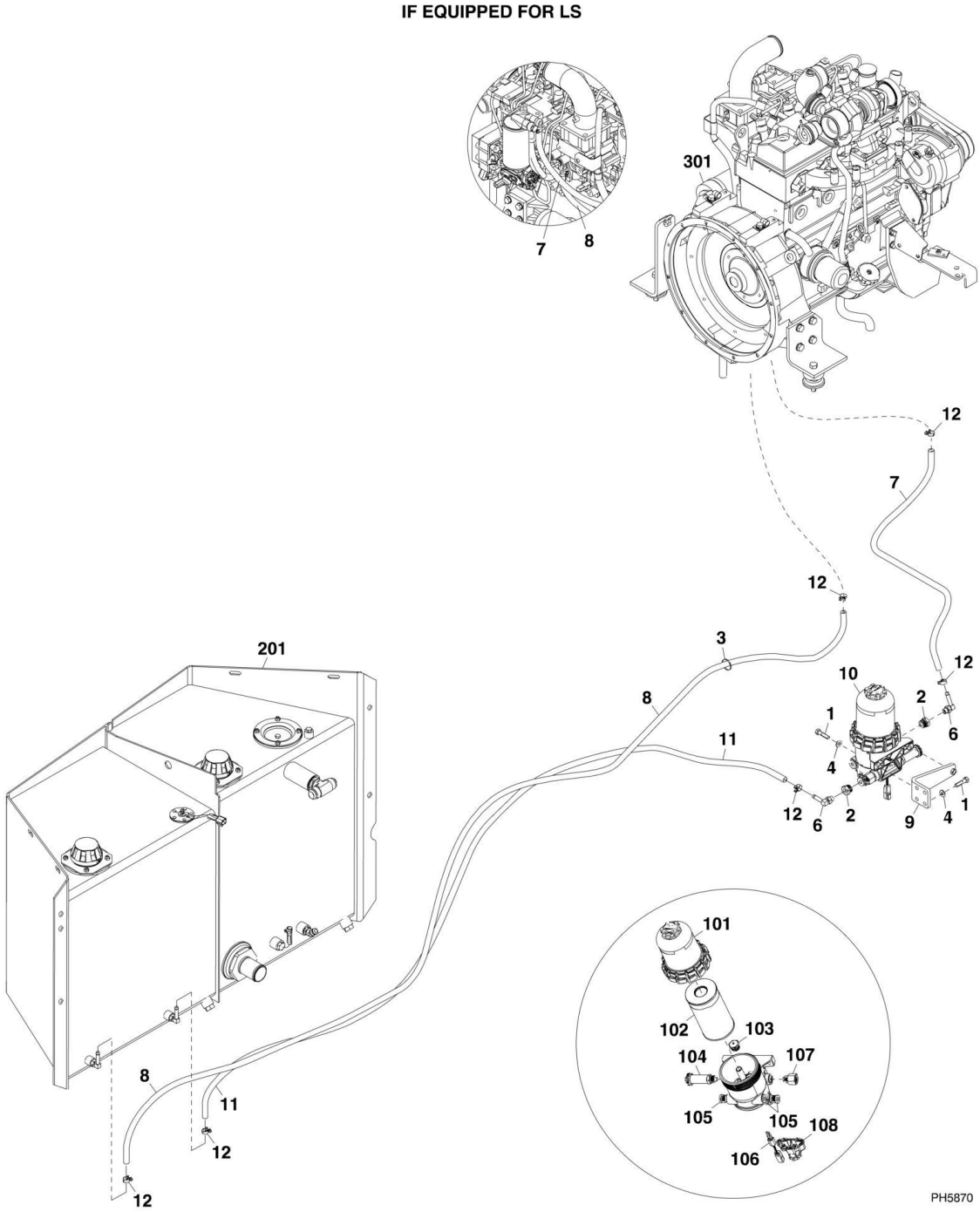


FIGURE 4-8. FUEL TANK AND LINES IF EQUIPPED FOR LS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121257	Ref	FUEL LINES INSTALLATION, (if equipped for LS), (not available to order, see items 1 thru 12 for service)	C
1	0641612	6	HEX HD CAPSCREW, 3/8-16X1-1/2	
2	2220218	2	STRAIGHT ADAPTER, (includes o-ring)	
3	4240017	1	TIE STRAP	
4	4711600	6	PLAIN WASHER, 3/8	
6	8430034	2	ELBOW, 90, (includes o-ring)	
7	1001136157	1	FUEL SUPPLY TO ENGINE HOSE	
8	1001125040	1	FUEL RETURN HOSE	
9	1001132173	1	FUEL FILTER BRACKET	
10	1001133534	1	FUEL FILTER, (includes items 101 thru 108)	
11	1001135011	1	FUEL FILTER HOSE	
12	1001136975	6	FUEL HOSE CLAMP	
101	70024155	1	COVER ASSY, (includes vent cap, vent cap o-ring, collar, cover, cover o-ring and spring)	
102	70024156	1	FILTER ELEMENT	
103	70024157	1	CHECK VALVE ASSY	
104	70024158	1	PRIMER	
105	70024159	3	PLUG	
106	70024160	1	WATER-IN-FUEL (WIF) SENSOR	
107	70024161	1	CHECK VALVE	
108	70024162	1	BOTTOM BOWL ASSY, (includes bottom bowl seal, bottom bowl screws, drain valve o-ring and drain valve)	
201		Ref	FUEL/HYDRAULIC TANK, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
301		Ref	CUMMINS ENGINE, QSB3.3, 110HP TIER 3, (See CUMMINS ENGINE IF EQUIPPED FOR ULS for Breakdown)	

FIGURE 4-9. RADIATOR AND COOLING INSTALLATION IF EQUIPPED FOR ULS

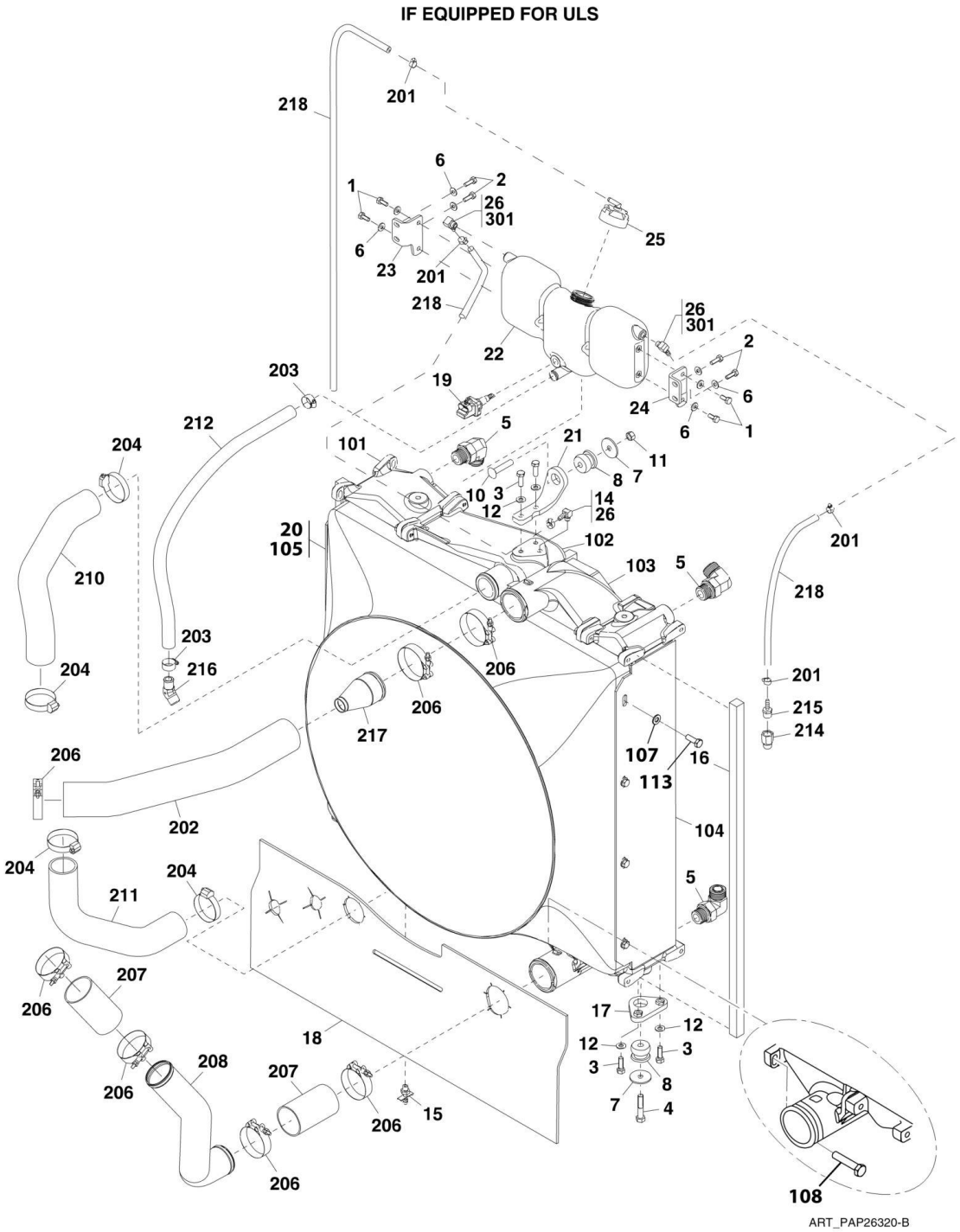


FIGURE 4-9. RADIATOR AND COOLING INSTALLATION IF EQUIPPED FOR ULS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121254	Ref	COOLING INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 26 for service)	F
1	0641405	4	HEX HD CAPSCREW, 1/4-20X5/8	
2	0641406	4	HEX HD CAPSCREW, 1/4-20X3/4	
3	0641508	6	HEX HD CAPSCREW, 5/16-18X1	
4	0641614	2	HEX HD CAPSCREW, 3/8-16X1-3/4	
5	2131212	4	ADAPTER, 90, (includes o-ring)	
6	4711400	8	WASHER, 1/4	
7	7057141	3	FLAT REBOUND WASHER	
8	8278020	3	RUBBER ISOLATOR MOUNT	
10	8310281	1	CARRIAGE BOLT, 3/8-16X2-1/4, GR2	
11	8305008	1	HEX NUT, 3/8-16	
12	8307106	6	PLAIN WASHER, 5/16	
14	8420213	1	HOSE BARB ELBOW, 90	
15	91343011	1	DRAIN COCK	
16	1001109230	2	FOAM GASKET SEAL	
17	1001120869	2	LOWER COOLER MOUNT BRACKET	
18	1001120947	1	AIR DAM PANEL	
19	1001121955	1	COOLANT LEVEL SENSOR	
20	1001127591	1	RADIATOR ASSY, (includes items 101 thru 113)	I
21	1001127980	1	UPPER RADIATOR MOUNT	
22	1001153912	1	DEAERATION TANK, (includes item 301)	C
23	1001128339	1	RH TANK BRACKET	
24	1001128340	1	LH TANK BRACKET	
25	1001128341	1	DEAERATION TANK PRESSURE CAP	
26	1001097335	AR	LOCTITE 567, (apply to item 14 & 301)	
101	70024148	1	TRANSMISSION COOLER	
102	70024149	1	WATER/GLYCOL COOLER	
103	70024150	1	CHARGE AIR COOLER	
104	70024151	1	OIL COOLER	
105	70024530	1	FAN SHROUD	
107	70025541	1	FLAT WASHER, 5/16	
108	70025542	1	HEX HD CAPSCREW, 5/16-18X4	
113	70025540	1	FASTENER, 5/16-18X1	
	1001121271	Ref	PLUMBING COOLER INSTALLATION, (if equipped for ULS), (not available to order, see items 201 thru 218 for service)	G
201	1320022	5	WORM GEAR CLAMP	
202	1001127418	1	CAC OUTLET HOSE	
203	8405007	2	GEAR CLAMP, 1.25 MAX DIA	
204	8405201	4	GEAR CLAMP, 2.50 MAX DIA	
206	8405212	7	T-BOLT CLAMP	
207	1001114495	2	CAC STRAIGHT HOSE, 2-1/2	
208	1001120068	1	CAC INLET PIPE	
210	1001121493	1	UPPER RADIATOR HOSE	
211	1001121494	1	LOWER RADIATOR HOSE	
212	1001122560	1	DRAWDOWN HOSE	
214	1001122801	1	STRAIGHT ADAPTER	
215	1001122807	1	HOSE BARB COUPLING	
216	1001133871	1	ELBOW PIPE FITTING ADAPTER	
217	1001140672	1	CAC REDUCER PIPE	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
218	1001153913	119 in	VENT HOSE	
301	8420213	2	ELBOW, 90, (hose barb)	

FIGURE 4-10. RADIATOR AND COOLING INSTALLATION IF EQUIPPED FOR LS

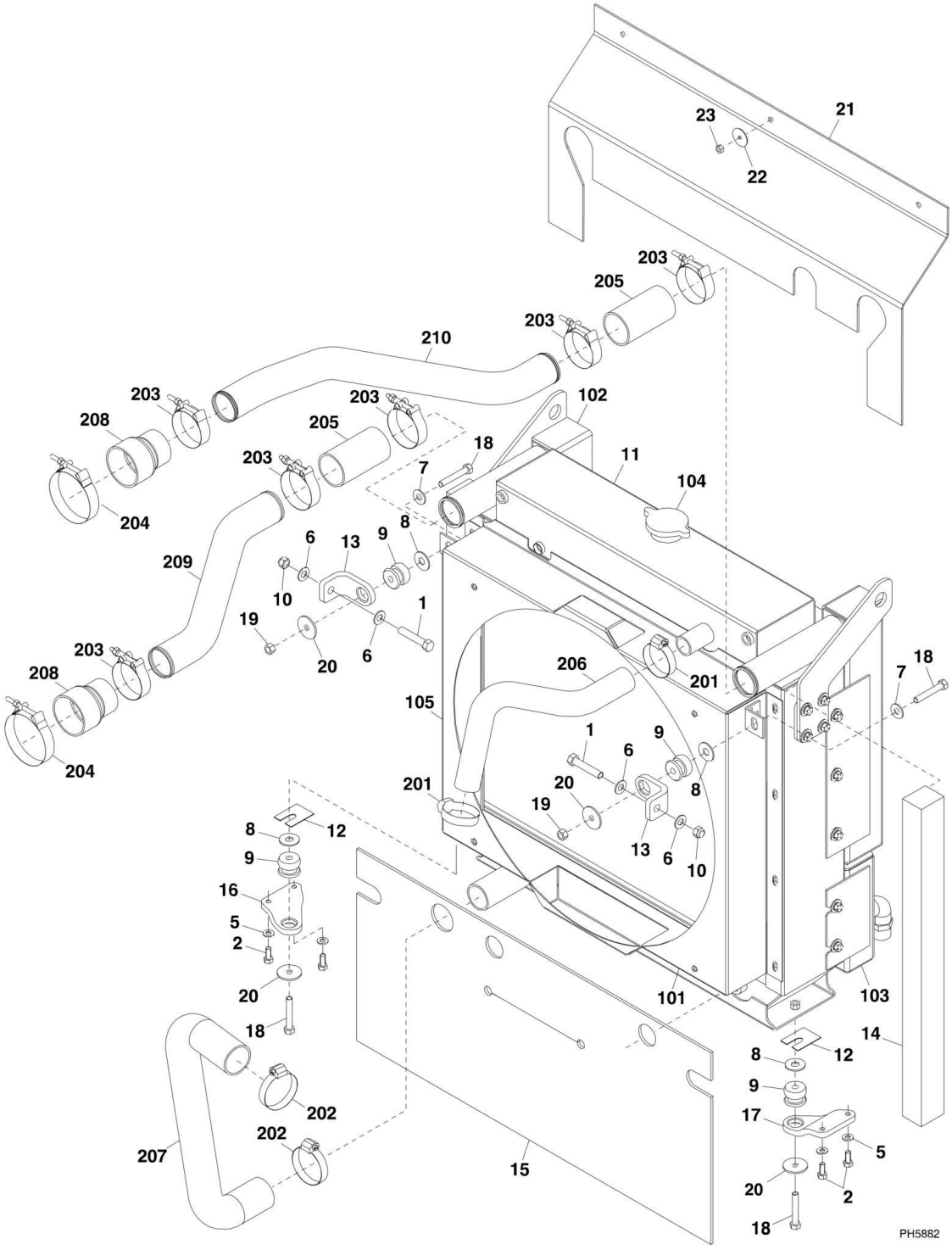


FIGURE 4-10. RADIATOR AND COOLING INSTALLATION IF EQUIPPED FOR LS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131386	Ref	COOLING INSTALLATION, (if equipped for LS), (not available to order, see items 1 thru 23 for service)	C
1	0641718	2	HEX HD CAPSCREW, 7/16-14X2-1/4	
2	0681506	4	HEX HD CAPSCREW, 5/16-18X3/4	
5	4711500	4	PLAIN WASHER, 5/16	
6	4711700	4	NARROW WASHER, 7/16	
7	4751600	2	PLAIN WASHER, 3/8	
8	4751700	4	PLAIN WASHER, 7/16	
9	8278020	4	RUBBER ISOLATOR MOUNT	
10	8310109	2	HEX LOCKNUT, 7/16-14	
11	1001111821	1	RADIATOR ASSY, (includes items 101 thru 104)	
12	1001114780	2	SHIM, 0.048	
13	1001131555	2	UPPER COOLER BRACKET	
14	1001131594	2	FOAM GASKET SEAL	
15	1001131596	1	AIR DAM PANEL	
16	1001131819	1	RIGHT LOWER COOLER BRACKET	
17	1001131820	1	LEFT LOWER COOLER BRACKET	
18	0641618	4	HEX HD CAPSCREW, 3/8-16X2-1/4	
19	3311605	2	HEX LOCKNUT, 3/8-16, GR2	
20	7057141	4	FLAT WASHER	
21	1001102212	1	RUBBER AIR DAM FILTER	
22	4740362	3	FENDER WASHER	
23	3311401	3	HEX NUT, 1/4-20	
101	70022694	2	SHROUD	
102	N.S.S.	1	CHARGE AIR COOLER	
103	70023601	1	HYDRAULIC OIL COOLER, (includes item 102)	
104	70022695	1	CAP	
105	70022696	1	RADIATOR	
	1001121272	Ref	PLUMBING COOLER INSTALLATION, (if equipped for LS), (not available to order, see items 201 thru 210 for service)	C
201	8405104	2	GEAR CLAMP, 2.25 MAX DIA	
202	8405201	2	GEAR CLAMP, 2.50 MAX DIA	
203	80933070	6	HEAVY DUTY BAND CLAMP	
204	8405212	2	HEAVY DUTY BAND CLAMP	
205	91563070	2	RUBBER HOSE COUPLING	
206	1001096435	1	UPPER RADIATOR HOSE	
207	1001096436	1	LOWER RADIATOR HOSE	
208	1001117244	2	REDUCER COUPLING	
209	1001131645	1	CAC TO ENGINE PIPE	
210	1001131646	1	TURBO TO CAC PIPE	

FIGURE 4-11. AIR CLEANER INSTALLATION IF EQUIPPED FOR ULS

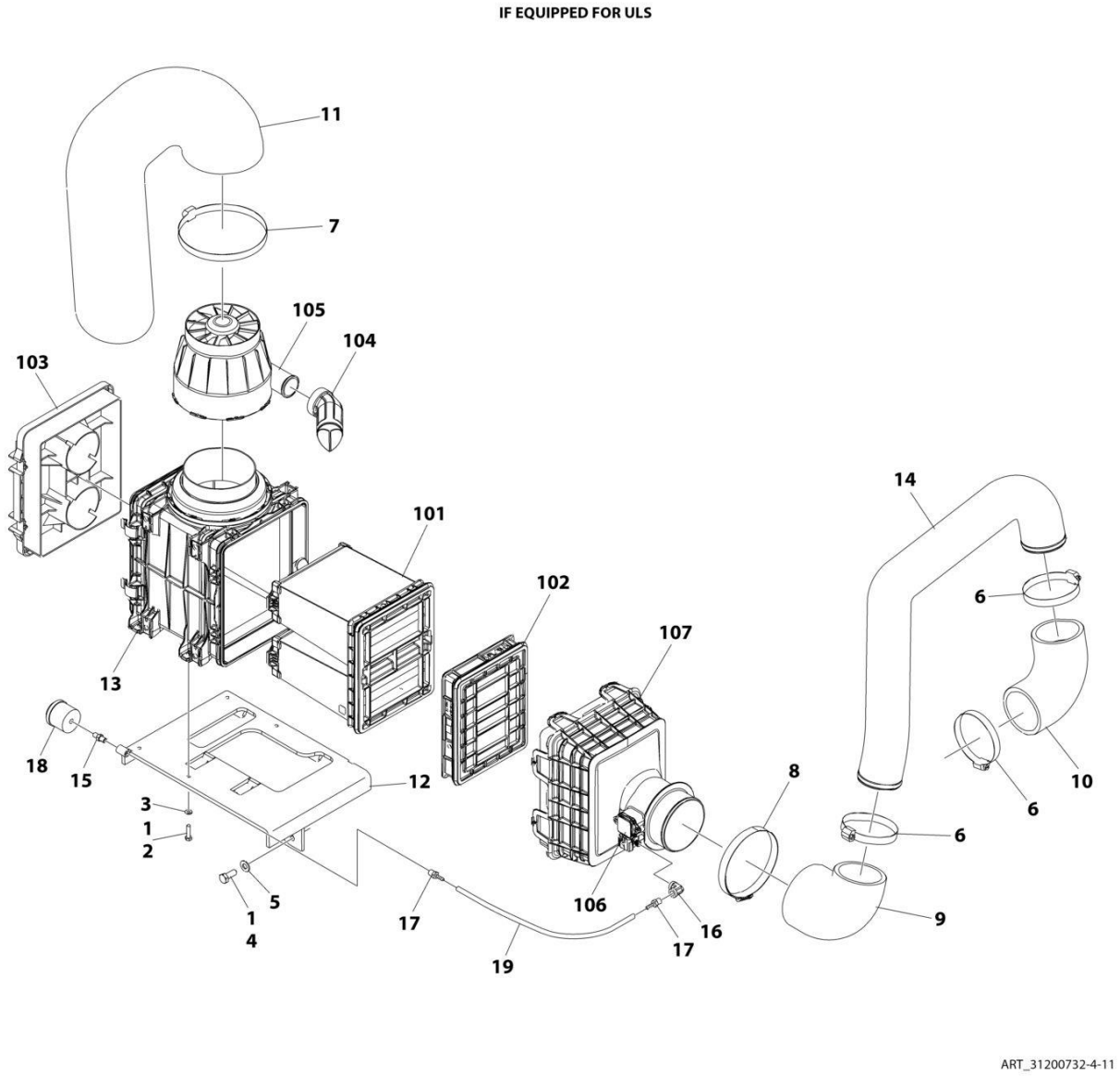


FIGURE 4-11. AIR CLEANER INSTALLATION IF EQUIPPED FOR ULS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121246	Ref	AIR CLEANER INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 19 for service)	D
1	0100011	AR	Loctite	
2	0760612	4	Capscrew M6 x 25	
3	4811700	4	Washer	
4	8303798	4	Capscrew M10 x 25	
5	8307221	4	Washer M10	
6	8405301	3	Clamp	
7	8405502	1	Clamp	
8	8405402	1	Clamp	
9	1001120082	1	Hose	
10	1001120083	1	Hose	
11	1001134843	1	Hose	
12	1001128507	1	Bracket	
13	1001128544	1	Air Filter (includes items 101 thru 107)	D
14	1001128808	1	Air Filter Pipe	
15	2180104	1	Fitting, Straight	
16	2221301	1	Fitting, 90	
17	8420221	2	Coupling, Hose Barb	
18	91563129	1	Indicator, Restriction	
19	1001134844	1	Hose	
101	70024177	1	Primary Element	
102	70024176	1	Safety Element	
103	70024269	1	Cover	
104	70024270	1	Vacuator Valve	
105	70024271	1	Pre-Cleaner	
106	70024841	1	Sensor, Mass Air Flow	
107	See Note	NSS	Inlet (Note: Purchase PN 1001128544)	

FIGURE 4-12. AIR CLEANER INSTALLATION IF EQUIPPED FOR LS

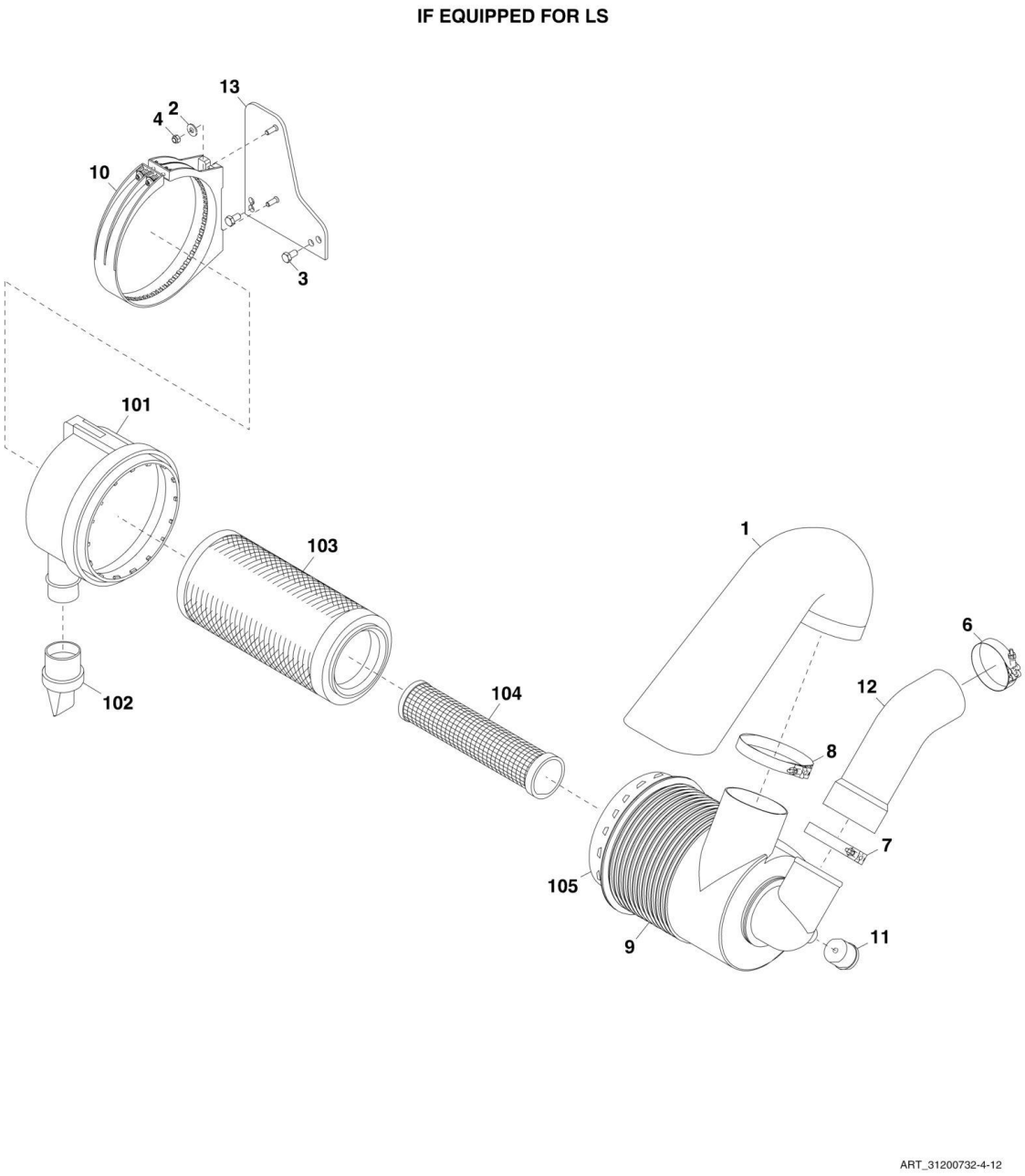


FIGURE 4-12. AIR CLEANER INSTALLATION IF EQUIPPED FOR LS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121247	Ref	AIR CLEANER INSTALLATION, (if equipped for LS), (not available to order, see items 1 thru 13 for service)	B
1	2720637	1	AIR INTAKE SCOOP	
2	4751500	2	PLAIN WASHER, 5/16	
3	8303784	2	HEX HD CAPSCREW, M10X1.5X20MM, PC8.8	
4	8305626	2	HEX LOCKNUT, 5/16-18	
6	8405305	1	T-BOLT CLAMP, 3.38 ID	
7	8405505	1	T-BOLT CLAMP, 4.06 ID	
8	8410021	1	T-BOLT CLAMP, 5.00 ID	
9	10268515	1	AIR CLEANER, (includes items 101 thru 105)	C
10	10268516	1	MOUNTING BAND	
11	91563129	1	RESTRICTION INDICATOR	
12	1001098977	1	AIR INTAKE PIPE	
13	1001131488	1	AIR CLEANER MOUNT, (no available to order, see 1001096484 for replacement)	
13	1001096484	1	AIR CLEANER MOUNT	
101	91364023	1	COVER ASSY	
102	80373094	1	VACUATOR VALVE	
103	1101312	1	PRIMARY FILTER ELEMENT	
104	1101313	1	SECONDARY FILTER ELEMENT	
105	N.S.S.	1	AIR CLEANER BODY	

FIGURE 4-13. EXHAUST INSTALLATION IF EQUIPPED FOR ULS

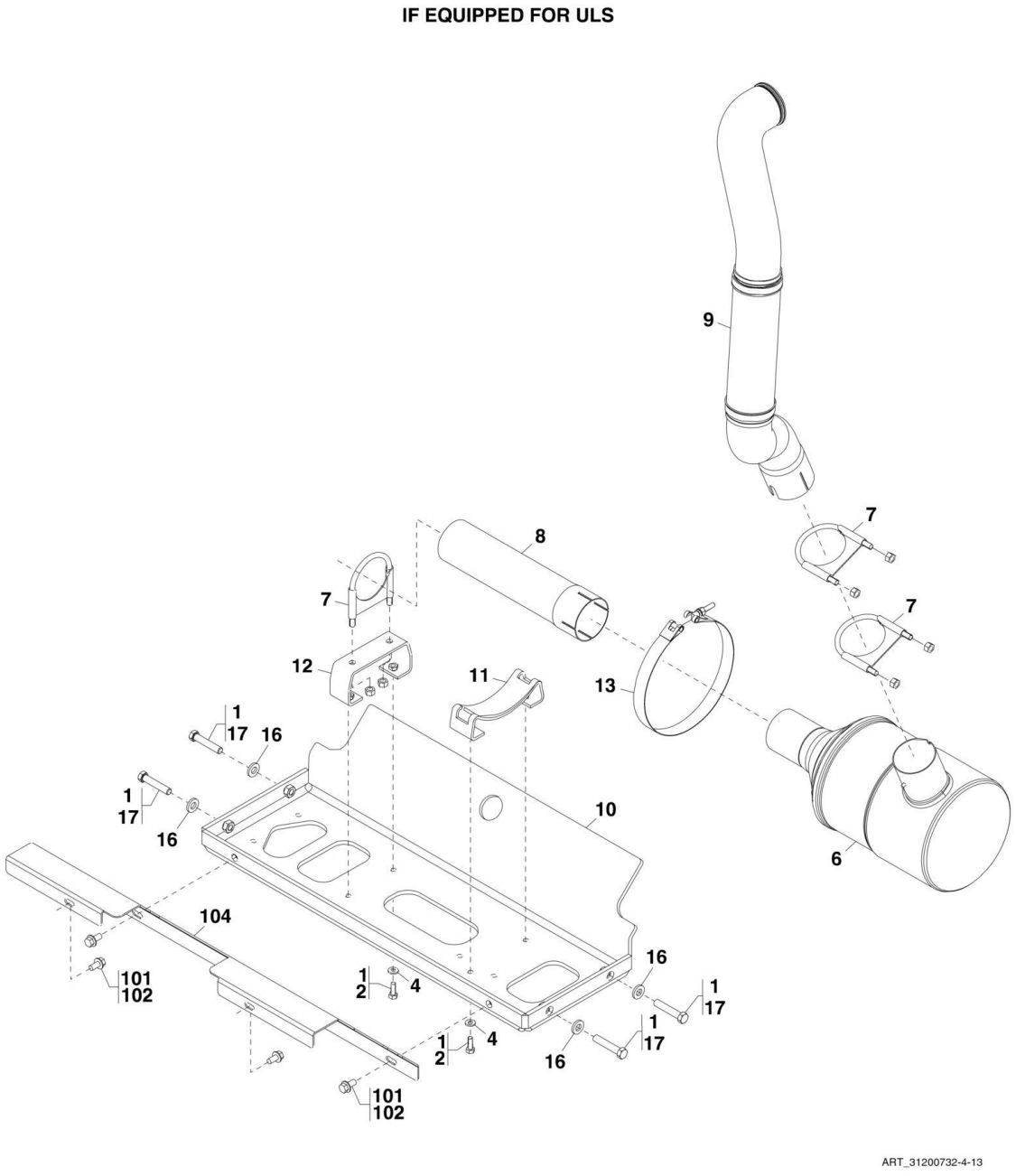


FIGURE 4-13. EXHAUST INSTALLATION IF EQUIPPED FOR ULS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001129497	Ref	EXHAUST INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 14 for service)	F
1	0100011	AR	LOCTITE 242, (apply to items 2 & 14)	
2	0641507	4	HEX HD CAPSCREW, 5/16-18X7/8	
4	4891500	4	WASHER, 5/16	
6	1001127855	1	MUFFLER	
7	24921332	3	EXHAUST CLAMP	
8	1001127856	1	EXHAUST PIPE	
9	1001127857	1	EXHAUST PIPE	
10	1001127858	1	EXHAUST MOUNT PLATE	
11	1001128363	1	MUFFLER BRACKET	
12	1001128364	1	EXHAUST PIPE BRACKET	
13	1001128901	1	BAND CLAMP	
16	4891700	4	WASHER, 7/16	
17	10700334	4	SCREW, 0.438-14X2.25	
	1001127864	Ref	DUST SHIELD INSTALLATION, (not available to order, see items 101 thru 104 for service)	B
101	0100011	AR	LOCTITE 242, (apply to item 102)	
102	0791606	1	HEX HD CAPSCREW, 3/8-16X3/4	
104	1001127867	1	DUST BAFFLE FRONT PANEL	

FIGURE 4-14. EXHAUST INSTALLATION IF EQUIPPED FOR LS

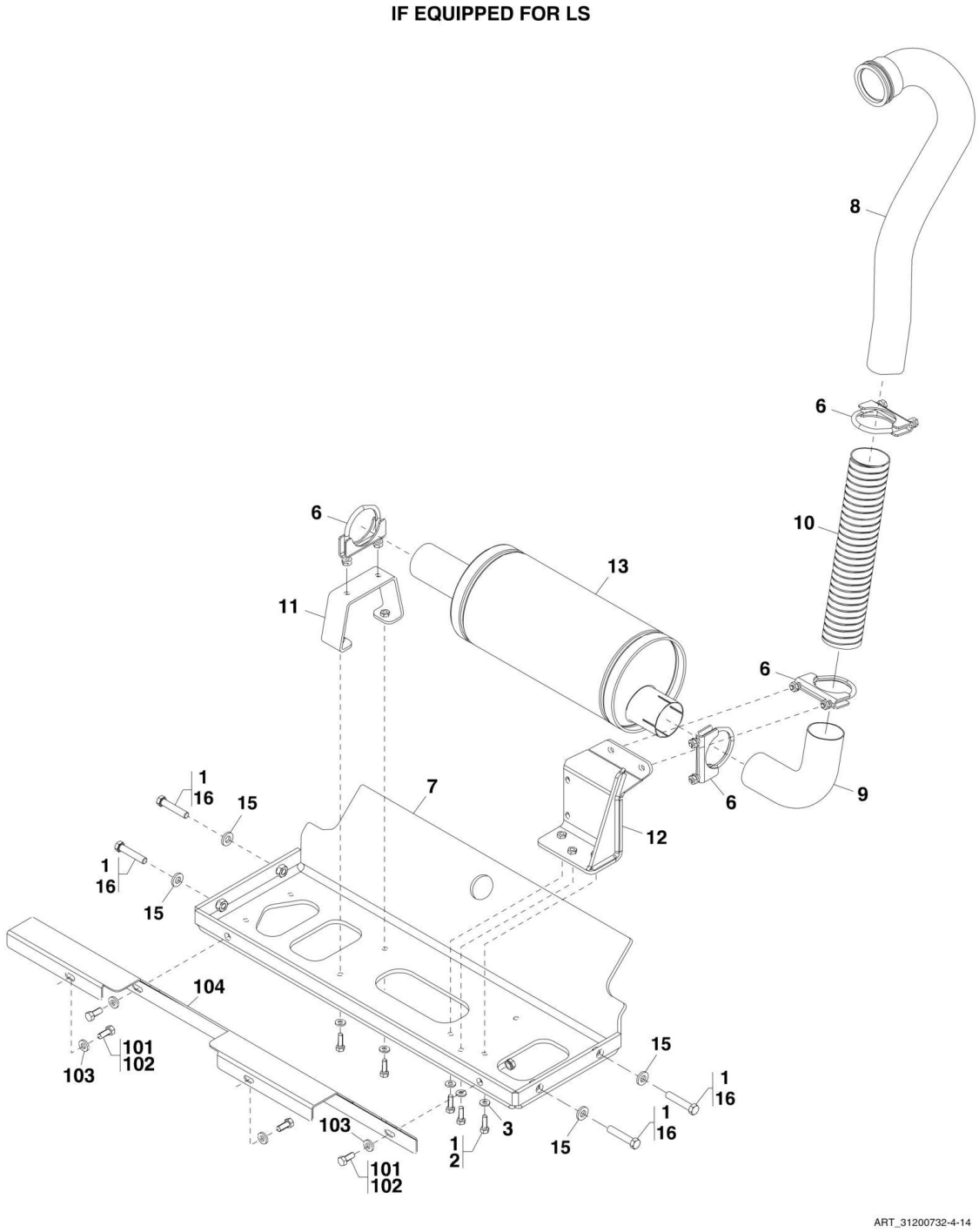


FIGURE 4-14. EXHAUST INSTALLATION IF EQUIPPED FOR LS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131485	Ref	EXHAUST INSTALLATION, (if equipped for LS), (not available to order, see items 1 thru 14 for service)	C
1	0100011	AR	LOCTITE 242	
2	0641508	5	HEX HD CAPSCREW, 5/16-18X1	
3	4891500	5	WASHER, 5/16	
6	83683175	4	MUFFLER CLAMP	
7	1001127858	1	MUFFLER MOUNT PLATE	
8	1001131576	1	TURBO EXHAUST PIPE	
9	1001131577	1	ELBOW EXHAUST PIPE	
10	1001131578	1	FLEX EXHAUST PIPE	
11	1001131772	1	MUFFLER MOUNT	
12	1001131996	1	MUFFLER SUPPORT	
13	1001132154	1	MUFFLER	
15	4891700	4	WASHER, 7/16	
16	10700334	4	SCREW, 0.438-14X2.25	
	1001127864	Ref	DUST SHIELD INSTALLATION, (not available to order, see items 101 thru 104 for service)	A
101	0100011	AR	LOCTITE 242, (apply to item 102)	
102	0641607	4	HEX HD CAPSCREW, 3/8-16X7/8	
103	4891600	4	WASHER, 3/8	
104	1001127867	1	DUST BAFFLE FRONT PANEL	

FIGURE 4-15. ISOLATION COUPLER

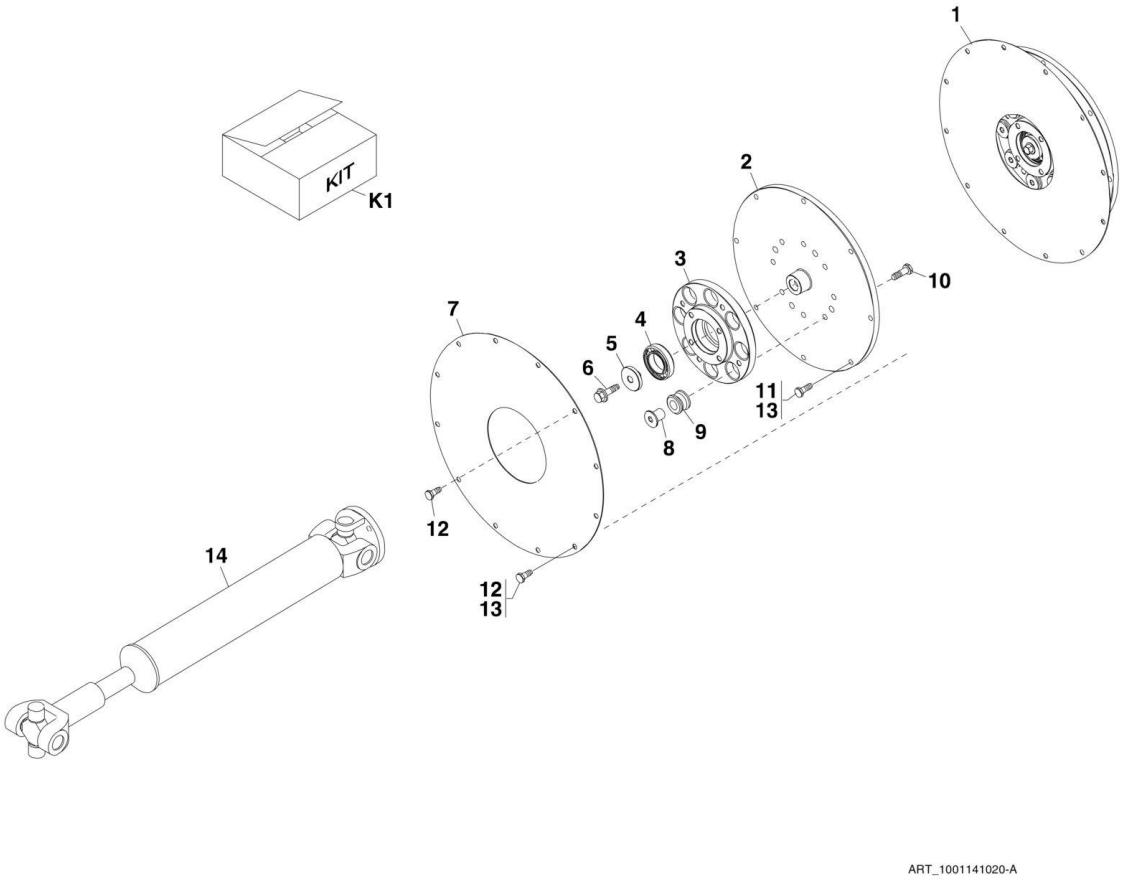


FIGURE 4-15. ISOLATION COUPLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001141020	Ref	ISOLATION COUPLER INSTALLATION, (not available to order, see items 1 thru 13 for service) **(SN 0160045067 to Present)**	A
1	8841319	1	ISOLATION COUPLER ASSY, (includes items 2 thru 10)	AA
2	N.S.S.	1	FLYWHEEL PLATE, (not available to order, use 8841319 for replacement)	
3	7029264	1	COUPLING HUB	
4	N.S.S.	1	BALL BEARING, (not available to order, use 8841319 for replacement)	
5	Kit	1	THRU BUSHING	
6	Kit	5	HEX HD CAPSCREW, 7/16-20X1-1/2, GR8	
7	7029265	1	COVER PLATE	
8	Kit	8	THREADED BUSHING	
9	Kit	8	NEOPRENE INSERT	
10	Kit	8	HEX HD CAPSCREW, 7/16-20X1-1/4, GR8	
11	8303755	8	HEX HD CAPSCREW, M10-1-1/2X30MM, PC8.8, (torque to 40-45 lb-ft/54-61 Nm)	
12	8303784	8	HEX HD CAPSCREW, M10-1-1/2X20MM, PC8, (torque to 40-45 lb-ft/54-61 Nm)	
13	8526007	AR	LOCTITE 242, (apply to items 11 & 12)	
14		Ref	DRIVE SHAFT, (engine input), (See DRIVE TRAIN SECTION for Breakdown)	
K1	70020228	1	ISOLATION COUPLER SERVICE KIT, (includes items 5, 6, 8, 9 & 10)	

FIGURE 4-16. ISOLATION COUPLER IF EQUIPPED FOR LS

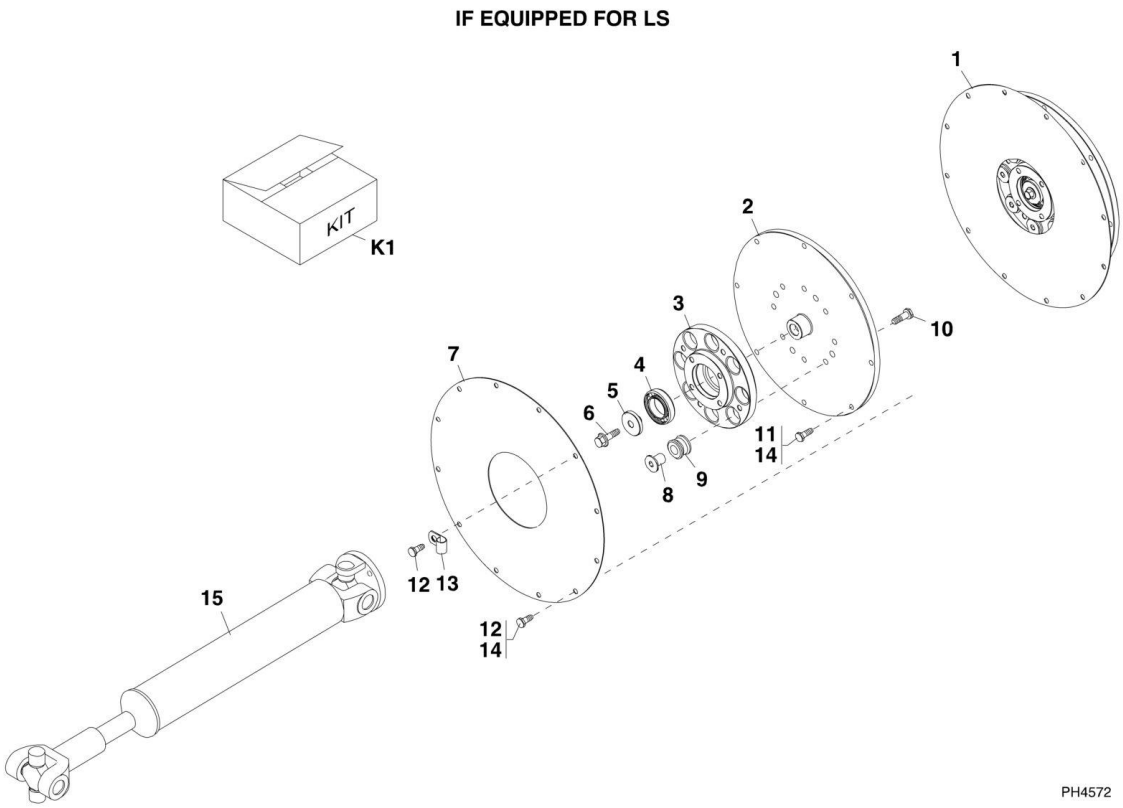


FIGURE 4-16. ISOLATION COUPLER IF EQUIPPED FOR LS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7301500	Ref	ISOLATION COUPLER INSTALLATION, (if equipped for LS), (not available to order, see items 1 thru 14 for service) **(Prior to SN 0160045067)**	AA
1	8841319	1	ISOLATION COUPLER ASSY, (includes items 2 thru 10)	AA
2	N.S.S.	1	FLYWHEEL PLATE, (not available to order, use item 1 for replacement)	
3	7029264	1	COUPLING HUB	
4	N.S.S.	1	BALL BEARING, (not available to order, use item 1 for replacement)	
5	Kit	1	THRU BUSHING	
6	Kit	5	HEX HD CAPSCREW, 7/16-20X1-1/2, GR8	
7	7029265	1	COVER PLATE	
8	Kit	8	THREADED BUSHING	
9	Kit	8	NEOPRENE INSERT	
10	Kit	8	HEX HD CAPSCREW, 7/16-20X1-1/4, GR8	
11	8303755	8	HEX HD CAPSCREW, M10-1-1/2X30MM, GR8.8, (torque to 40-45 lb-ft/54-61 Nm)	
12	8303784	12	HEX HD CAPSCREW, M10-1-1/2X20MM, GR8, (torque to 40-45 lb-ft/54-61 Nm)	
13	8406105	1	TUBE CLIP, 3/4 DIA	
14	8526007	AR	LOCTITE 242	
15		Ref	DRIVE SHAFT, (engine input), (See DRIVE TRAIN SECTION for Breakdown)	
K1	70020228	1	ISOLATION COUPLER SERVICE KIT, (includes items 5, 6, 8, 9 & 10)	

SECTION 5 - DRIVE TRAIN

SECTION 5 - DRIVE TRAIN

FIGURE 5-1. DRIVE TRAIN COMPONENTS

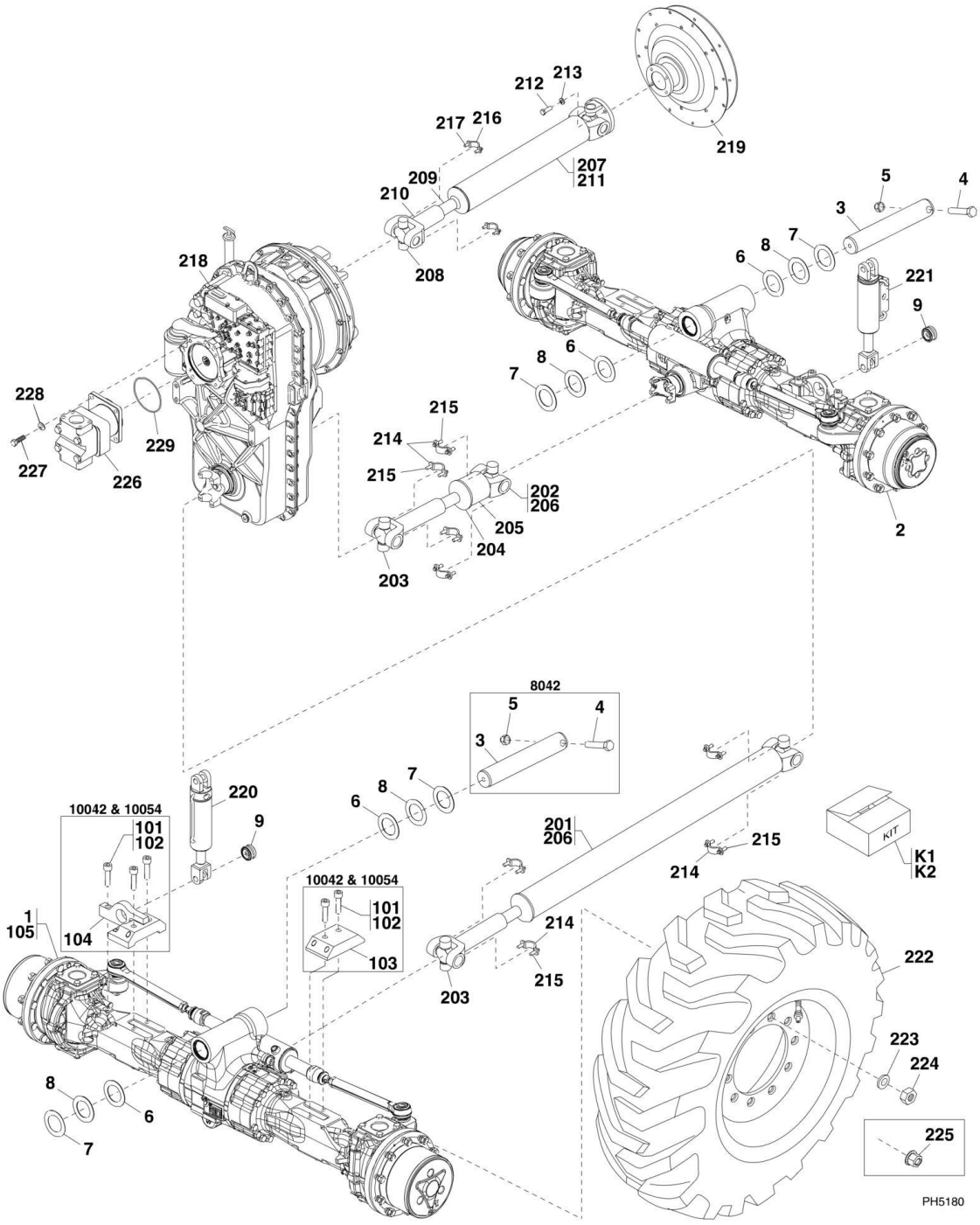


FIGURE 5-1. DRIVE TRAIN COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001104796	Ref	AXLE INSTALLATION (not available to order, see items 1 thru 10 for service) (8042)	F
	1001104800	Ref	AXLE INSTALLATION (not available to order, see items 2 thru 10 for service) (10042,10054)	F
1		Ref	FRONT AXLE, (See FRONT AXLE for Breakdown)	
2		Ref	REAR AXLE, (See REAR AXLE for Breakdown)	
3	3423254	2	AXLE PIVOT PIN (8042)	
3	3423254	1	AXLE PIVOT PIN (10042,10054)	
4	0642640	2	HEX HD CAPSCREW, 1-8X5, GR5 (8042)	
4	0642640	1	HEX HD CAPSCREW, 1-8X5, GR5 (10042,10054)	
5	8310116	2	HEX LOCKNUT, 1-8 (8042)	
5	8310116	1	HEX LOCKNUT, 1-8 (10042,10054)	
6	8307912	AR	SHIM WASHER, 0.06 **(Prior to SN 0160092696)**	
6	1001245213	AR	SHIM WASHER, 0.06 **(SN 0160092696 to Present)**	
7	8307913	AR	SHIM WASHER, 0.12 **(Prior to SN 0160092728)**	
7	1001245214	AR	SHIM WASHER, 0.09 **(SN 0160092696 to Present)**	
8	8310259	AR	SHIM WASHER, 0.09 **(Prior to SN 0160092730, Excluding 0160092454)**	
8	1001245215	AR	SHIM WASHER, 0.12 **(SN 0160092696 to Present)**	
9	8050001	2	BEARING	
10	91403193	40	NUT, M22 X 1.5	
101	1001103619	5	SOCKET HD CAPSCREW, M22X1-1/2X80	
102	0100019	AR	LOCTITE 271, (apply to item 101)	
103	1001107744	1	OUTRIGGER MOUNTING BRACE	
104	1001107746	1	FRAME LEVEL CYLINDER LUG	
105		Ref	FRONT AXLE, (See FRONT AXLE for Breakdown)	
	1001128946	Ref	DRIVE SHAFT INSTALLATION, (not available to order, see items 201 thru 217 for service)	B
201	7138638	1	FRONT AXLE DRIVE SHAFT, (includes items 203 thru 206)	D
202	7138639	1	REAR AXLE DRIVE SHAFT, (includes items 203 thru 206)	E
203	8035778	4	CROSS AND BEARING KIT, (two required per drive shaft)	
204	8035109	2	DUST CAP KIT, (one required per drive shaft)	
205	N.S.S.	2	SLIP JOINT	
206	N.S.S.	2	YOKE SHAFT	
207	1001127784	1	DRIVE SHAFT - ENGINE TO TRANSMISSION, (includes items 208 thru 211)	C
208	1101841	2	CROSS AND BEARING KIT	
209	8035109	1	DUST CAP KIT	
210	N.S.S.	2	SLIP JOINT	
211	N.S.S.	2	YOKE SHAFT	
212	8310425	4	HEX HD CAPSCREW, 7/16-20X1-1/4, GR8	
213	8307006	4	LOCKWASHER, 7/16	
214	Kit	8	STRAP, (use kit 8880218-OM for replacement)	
215	Kit	16	SCREW, (torque to 32-42 lb-ft/43-57 Nm), (must replace when removed, do not re-torque), (use kit 8880218-OM for replacement)	
216	Kit	2	STRAP, (use kit 8880219-OM for replacement)	
217	Kit	4	SCREW, (torque to 35 lb-ft/47 Nm), (must replace when removed, do not re-torque), (use kit 8880219-OM for replacement)	
218		Ref	ZF TRANSMISSION, (See ZF TRANSMISSION INSTALLATION for Breakdown)	
219		Ref	ISOLATION COUPLER, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
220		Ref	FRAME LEVEL CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
221		Ref	STABIL-TRAK CYLINDER AND MOUNTING HARDWARE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
222		Ref	WHEEL ASSY, (See WHEEL ASSEMBLY for Breakdown)	
223	8786573	40	LOCKWASHER, M22, (10 per tire), (not required with Firestone 370/75-28 (8042) or Firestone 400/75-28 (10042,10054,8042)	
224	8786572	40	WHEEL NUT, (10 per tire), (torque to 430-470 lb-ft/583-637 Nm), (not required with Firestone 370/75-28 (8042) or Firestone 400/75-28 (10042,10054,8042)	
225	91403193	40	LUG NUT, M22X1-1/2, FREE SPINNING, (10 per tire), (torque to 430-470 lb-ft/583-637 Nm), (if equipped with Firestone 370/75-28 (8042) or Firestone 400/75-28 (10042,10054,8042)	
226		Ref	PISTON PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
227	8303519	4	HEX HD CAPSCREW, M12X1-3/4X35MM, PC8.8	
228	8310356	4	HARDENED WASHER, 12MM	
229	8630019	1	O-RING	
K1	8880218-OM	4	STRAP KIT, (includes qty 2 of item 214 & qty 4 of item 215)	
K2	8880219-OM	1	STRAP KIT, (includes qty 2 of item 216 & qty 4 of item 217)	

FIGURE 5-2. AXLE INSTALLATION 110HP (ULS) (8042)

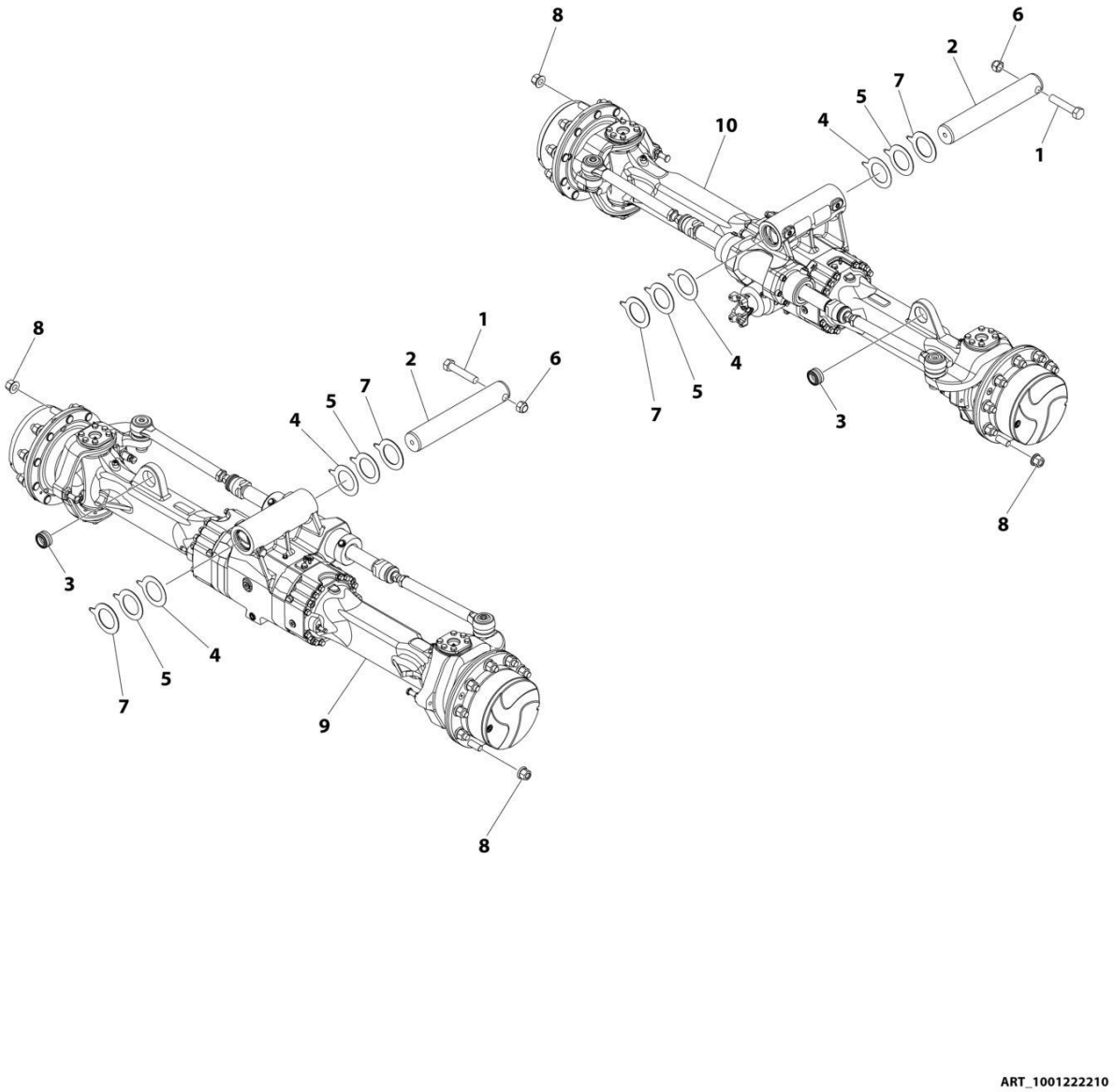


FIGURE 5-2. AXLE INSTALLATION 110HP (ULS) (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222210	Ref	AXLE INSTALLATION 110HP (ULS)	C
1	0642640	2	HEX HD CAPSCREW, 1-8X5, GR5	
2	3423254	2	AXLE PIVOT PIN (8042)	
3	8050001	2	BEARING	
4	1001245213	4	SHIM AXLE, 0.060	
5	1001245214	4	SHIM AXLE, 0.090	
6	8310116	2	HEX LOCKNUT, 1-8 (8042)	
7	1001245215	4	SHIM AXLE, 0.120	
8	91403193	40	LUG NUT, M22X1-1/2	
9	1001220492	1	FRONT AXLE (8042) (ULS) (See Separate Breakdown in this Section)	
10	1001220493	1	REAR AXLE (8042) (ULS) (See Separate Breakdown in this Section)	

FIGURE 5-3. AXLE INSTALLATION 74HP (LS) (8042)

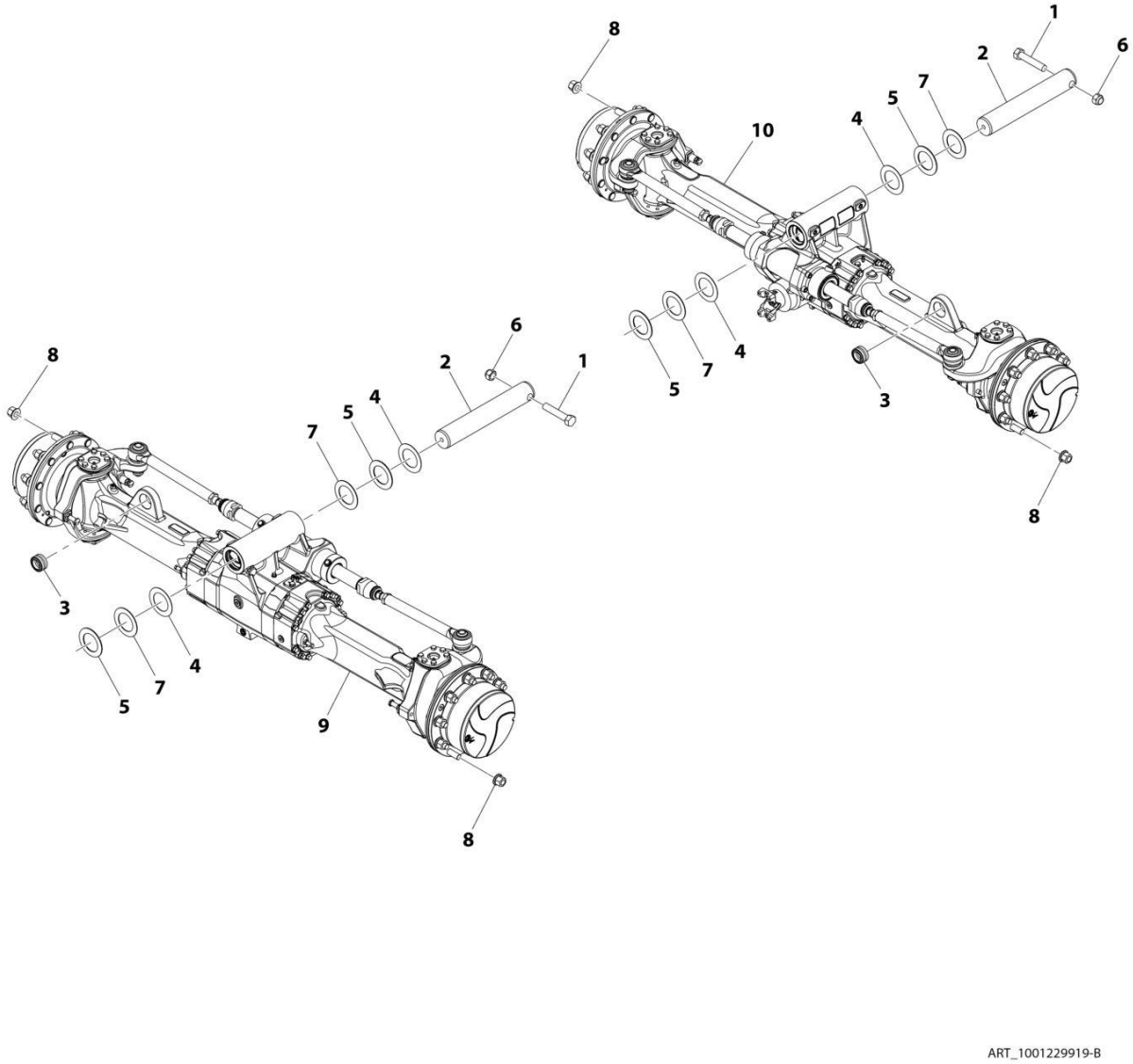
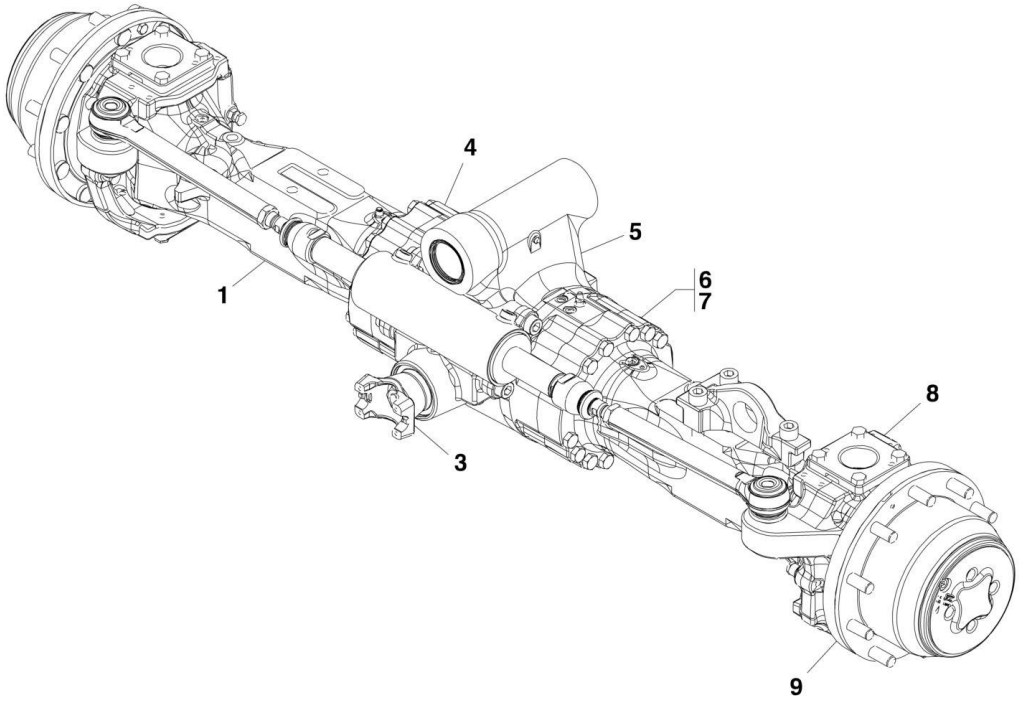


FIGURE 5-3. AXLE INSTALLATION 74HP (LS) (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229919	Ref	AXLE INSTALLATION, 74HP - 8042	B
1	0642640	2	BOLT, 1-8X5	
2	3423254	2	PIN, AXLE PIVOT	
3	8050001	2	BEARING, SELF-ALIGN	
4	1001245213	AR	WASHER, SHIM 0.06	
5	1001245214	AR	WASHER, SHIM 0.09	
6	8310116	2	NUT, LOCK 1-8	
7	1001245215	AR	WASHER, SHIM 0.12	
8	91403193	40	NUT, LUG M22X1-1/2	
9	1005798000	Ref	INSTALLATION, FRONT AXLE, 74HP - 8042 (See Separate Breakdown in this Section)	
10	1005798100	Ref	INSTALLATION, REAR AXLE, 74HP - 8042 (See Separate Breakdown in this Section)	

FIGURE 5-4. FRONT AXLE

8042



10042 & 10054

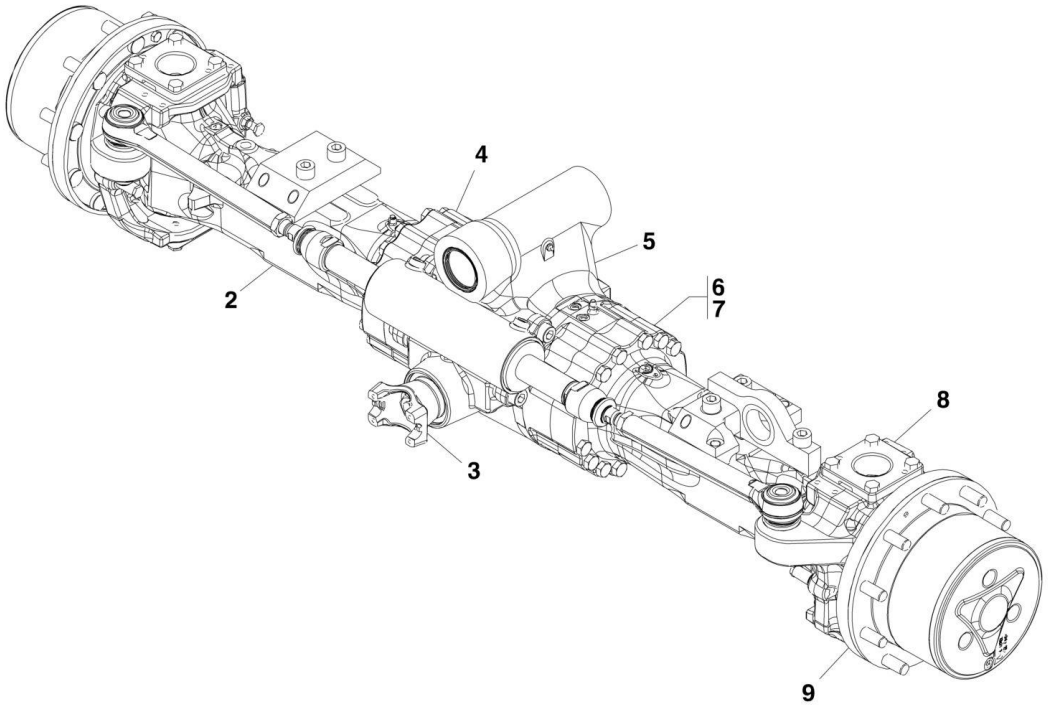


FIGURE 5-4. FRONT AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001103628	1	FRONT AXLE (includes all items) (8042) **(Prior to SN 0160059502)**	G
1	1001150586	1 1	FRONT AXLE (includes all items) (8042) **(SN 0160059502 to Present)**	D
2	1001103629	1	FRONT AXLE (includes all items) (10042,10054)	H
3		Ref	INPUT, (See FRONT AXLE - INPUT for Breakdown)	
4		Ref	LIMITED SLIP DIFFERENTIAL, (See FRONT AXLE - LIMITED SLIP DIFFERENTIAL for Breakdown)	
5		Ref	AXLE CASING, (See FRONT AXLE - CASING for Breakdown)	
6		Ref	M-DISC BRAKE, (See FRONT AXLE - M-DISC BRAKE for Breakdown)	
7		Ref	BRAKE, (See FRONT AXLE - BRAKE for Breakdown)	
8		Ref	JOINT HOUSING, (See FRONT AXLE - JOINT HOUSING for Breakdown)	
9		Ref	PLANETARY DRIVE, (See FRONT AXLE - PLANETARY DRIVE for Breakdown)	

FIGURE 5-5. FRONT AXLE - INPUT

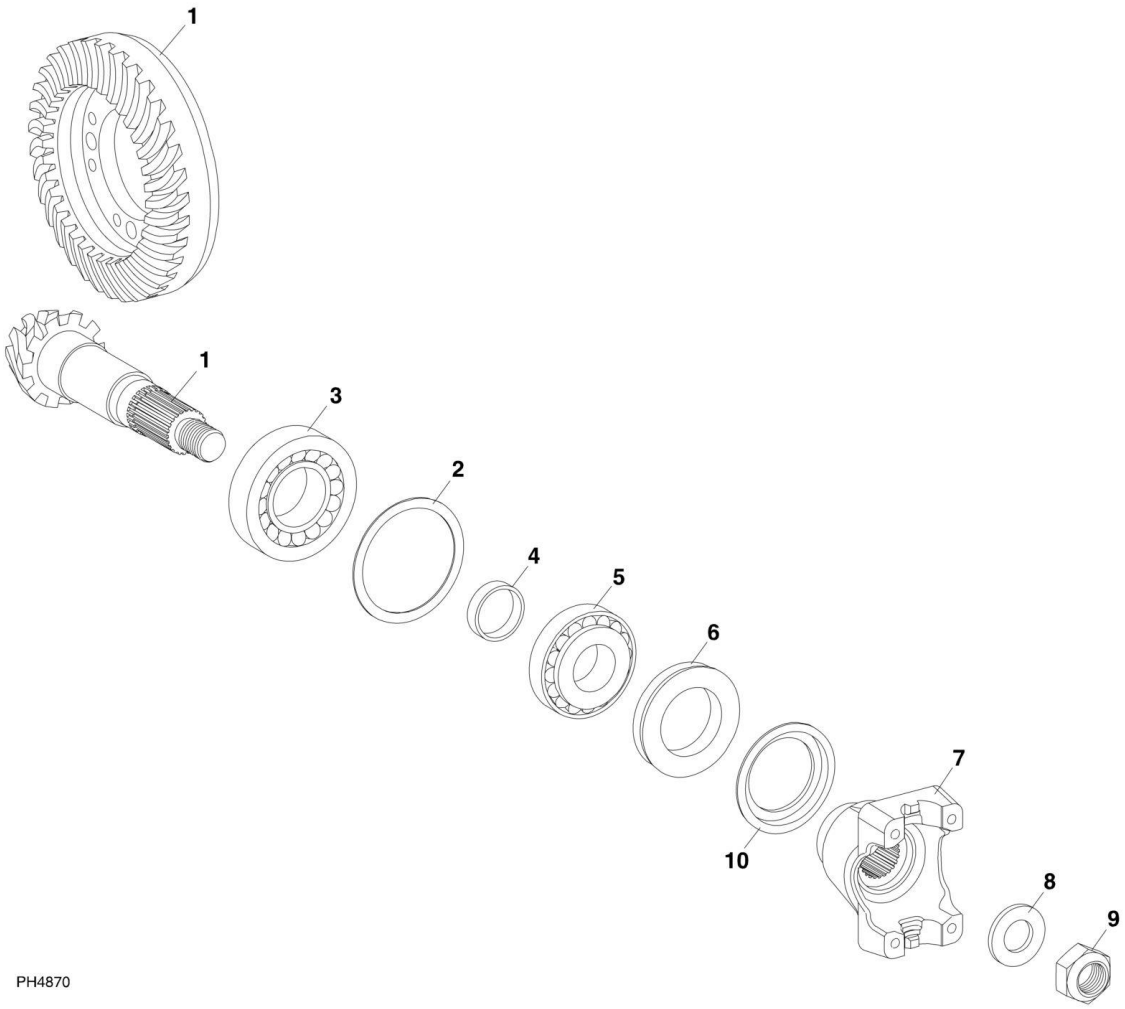


FIGURE 5-5. FRONT AXLE - INPUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - INPUT**	
	1001103628	Ref	FRONT AXLE - INPUT **(8042 Prior to SN 0160059502)**	
	1001150586	Ref	FRONT AXLE - INPUT **(8042 SN 0160059502 to Present)**	
	1001103629	Ref	FRONT AXLE - INPUT **(Including 10042 and 10054)**	
1	70022232	1	BEVEL GEAR SET (8042) **(8042 Prior to SN 0160059502)**	
1	70022774	1	BEVEL GEAR SET (8042) **(8042 SN 0160059502 to Present)**	
1	70022272	1	BEVEL GEAR SET (10042,10054) **(Including 10042 and 10054)**	
2	80304160	1	SHIM, 0.1	
2	80304159	1	SHIM, 0.2	
2	80304158	1	SHIM, 0.3	
2	80304157	1	SHIM, 0.5	
2	80304156	1	SHIM, 0.6	
2	80304162	1	SHIM, 0.65	
2	80304155	1	SHIM, 0.7	
2	80304161	1	SHIM, 0.75	
2	80304154	1	SHIM, 0.8	
2	80304153	1	SHIM, 0.9	
2	80304152	1	SHIM, 1.0	
2	80304146	1	SHIM, 1.2	
2	80304163	1	SHIM, 1.25	
2	80304151	1	SHIM, 1.3	
2	80304164	1	SHIM, 1.35	
2	80304150	1	SHIM, 1.4	
2	80304165	1	SHIM, 1.45	
2	80304145	1	SHIM, 1.5	
2	80304166	1	SHIM, 1.55	
2	80304149	1	SHIM, 1.6	
2	80304167	1	SHIM, 1.65	
2	80304148	1	SHIM, 1.7	
2	80304168	1	SHIM, 1.75	
2	80304144	1	SHIM, 1.8	
2	80304169	1	SHIM, 1.85	
2	80304147	1	SHIM, 1.9	
2	80304143	1	SHIM, 2.0	
3	70022231	1	ROLLER BEARING **(8042 Prior to SN 0160059502)**	
3	70023400	1	ROLLER BEARING **(8042 SN 0160059502 to Present)**	
3	70022231	1	ROLLER BEARING **(Including 10042 and 10054)**	
4	80304088	1	RING, 16.0 **(8042 Prior to SN 0160059502)**	
4	70024579	1	RING, 16.0 **(8042 SN 0160059502 to Present)**	
4	80304088	1	RING, 16.0 **(Including 10042 and 10054)**	
4	80304089	1	RING, 16.1	
4	80304090	1	RING, 16.2	
4	80304091	1	RING, 16.3	
4	80304092	1	RING, 16.4	
4	80304093	1	RING, 16.5	
4	80304110	1	RING, 16.56	
4	80304094	1	RING, 16.6	
4	80304111	1	RING, 16.62	
4	80304112	1	RING, 16.64 **(8042 Prior to SN 0160059502)**	
4	70024581	1	RING, 16.64 **(8042 SN 0160059502 to Present)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
4	80304112	1	RING, 16.64 **(Including 10042 and 10054)**	
4	80304124	1	RING, 16.66	
4	80304113	1	RING, 16.68	
4	80304095	1	RING, 16.7	
4	70022216	1	RING, 16.72	
4	80304115	1	RING, 16.74 **(8042 Prior to SN 0160059502)**	
4	70024584	1	RING, 16.74 **(8042 SN 0160059502 to Present)**	
4	80304115	1	RING, 16.74 **(Including 10042 and 10054)**	
4	80304117	1	RING, 16.76 **(8042 Prior to SN 0160059502)**	
4	70024585	1	RING, 16.76 **(8042 SN 0160059502 to Present)**	
4	80304117	1	RING, 16.76 **(Including 10042 and 10054)**	
4	80304118	1	RING, 16.78	
4	80304096	1	RING, 16.8	
4	80304119	1	RING, 16.82	
4	80304120	1	RING, 16.84	
4	80304104	1	RING, 16.86	
4	80304121	1	RING, 16.88 **(8042 Prior to SN 0160059502)**	
4	70024592	1	RING, 16.88 **(8042 SN 0160059502 to Present)**	
4	80304121	1	RING, 16.88 **(Including 10042 and 10054)**	
4	70023903	1	RING, 16.89 **(8042 SN 0160059502 to Present)**	
4	80304122	1	RING, 16.9 **(8042 Prior to SN 0160059502)**	
4	70024593	1	RING, 16.9 **(8042 SN 0160059502 to Present)**	
4	80304122	1	RING, 16.9 **(Including 10042 and 10054)**	
4	80304097	1	RING, 16.92	
4	80304123	1	RING, 16.94 **(8042 Prior to SN 0160059502)**	
4	70024594	1	RING, 16.94 **(8042 SN 0160059502 to Present)**	
4	80304123	1	RING, 16.94	
4	80304125	1	RING, 16.96	
4	80304107	1	RING, 16.98	
4	80304126	1	RING, 17.0 **(8042 Prior to SN 0160059502)**	
4	70024596	1	RING, 17.0 **(8042 SN 0160059502 to Present)**	
4	80304126	1	RING, 17.0 **(Including 10042 and 10054)**	
4	80304127	1	RING, 17.02 **(8042 Prior to SN 0160059502)**	
4	70024597	1	RING, 17.02 **(8042 SN 0160059502 to Present)**	
4	80304127	1	RING, 17.02 **(Including 10042 and 10054)**	
4	80304108	1	RING, 17.04	
4	80304128	1	RING, 17.06 **(8042 Prior to SN 0160059502)**	
4	70024598	1	RING, 17.06 **(8042 SN 0160059502 to Present)**	
4	80304128	1	RING, 17.06 **(Including 10042 and 10054)**	
4	80304129	1	RING, 17.08 **(8042 Prior to SN 0160059502)**	
4	70024599	1	RING, 17.08 **(8042 SN 0160059502 to Present)**	
4	80304129	1	RING, 17.08 **(Including 10042 and 10054)**	
4	80304099	1	RING, 17.10	
4	80304130	1	RING, 17.12 **(8042 Prior to SN 0160059502)**	
4	70024600	1	RING, 17.12 **(8042 SN 0160059502 to Present)**	
4	80304130	1	RING, 17.12 **(Including 10042 and 10054)**	
4	80304131	1	RING, 17.14 **(8042 Prior to SN 0160059502)**	
4	70024601	1	RING, 17.14 **(8042 SN 0160059502 to Present)**	
4	80304131	1	RING, 17.14 **(Including 10042 and 10054)**	
4	80304132	1	RING, 17.16	
4	80304133	1	RING, 17.18	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
4	80304100	1	RING, 17.2	
4	80304134	1	RING, 17.22	
4	80304135	1	RING, 17.24	
4	80304136	1	RING, 17.26	
4	80304137	1	RING, 17.28	
4	80304101	1	RING, 17.3	
4	80304102	1	RING, 17.4	
5	1319353	1	ROLLER BEARING	
6	70022220	1	SHAFT SEAL	
7	70022245	1	END YOKE	
8	80304082	1	WASHER	
9	70022213	1	HEX NUT	
10	70022244	1	SCREEN SHEET **(8042 Prior to SN 0160059502)**	
10	70022776	1	SCREEN SHEET **(8042 SN 0160059502 to Present)**	
10	70022244	1	SCREEN SHEET **(Including 10042 and 10054)**	

FIGURE 5-6. FRONT AXLE - LIMITED SLIP DIFFERENTIAL

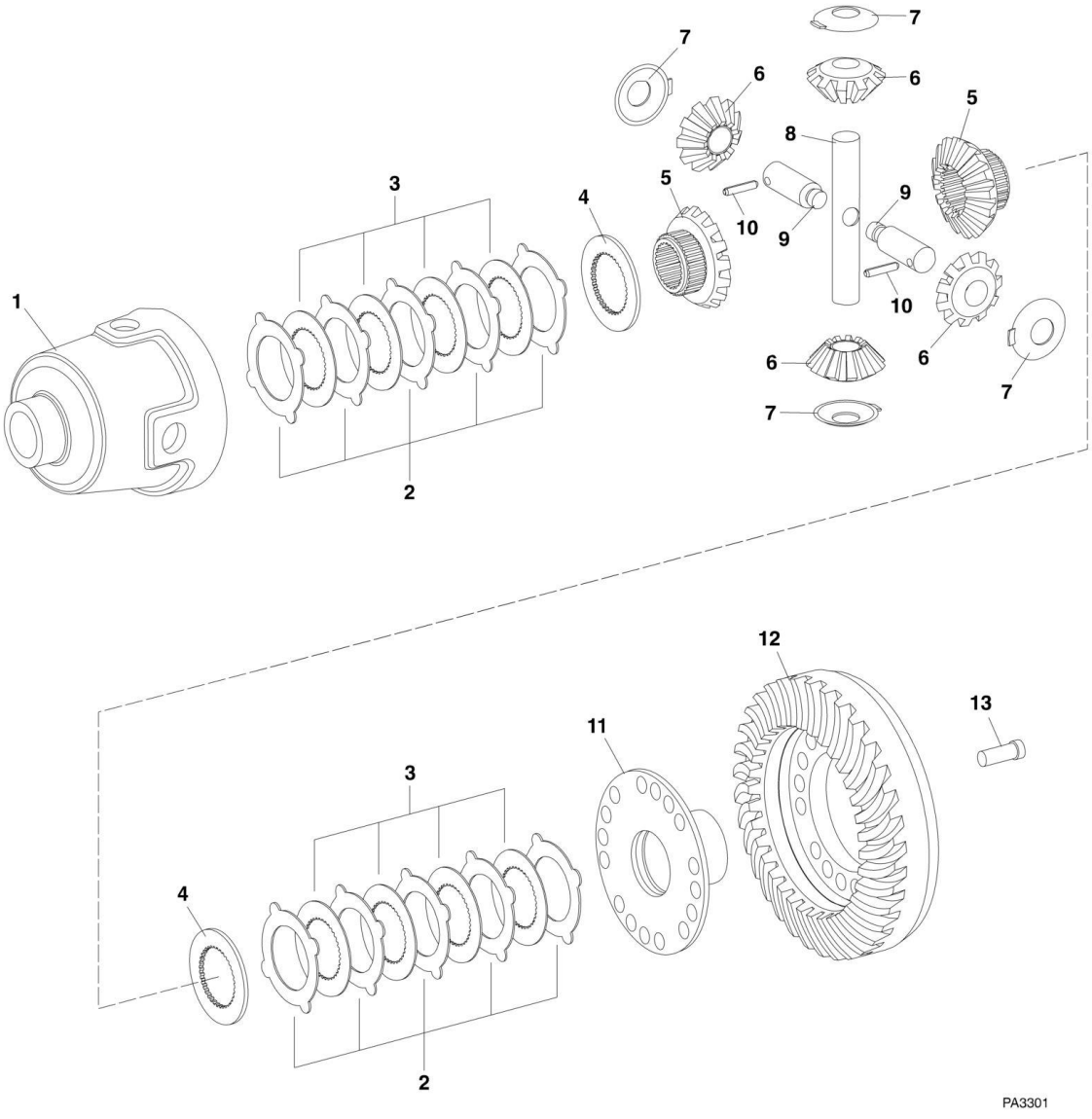


FIGURE 5-6. FRONT AXLE - LIMITED SLIP DIFFERENTIAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - LIMITED SLIP DIFFERENTIAL**	
	1001103628	Ref	FRONT AXLE - LIMITED SLIP DIFFERENTIAL **(8042 Prior to SN 0160059502)**	
	1001150586	Ref	FRONT AXLE - LIMITED SLIP DIFFERENTIAL **(8042 SN 0160059502 to Present)**	
	1001103629	Ref	FRONT AXLE - LIMITED SLIP DIFFERENTIAL **(Including 10042 and 10054)**	
1	70023910	1	DIFFERENTIAL CASE **(8042 Prior to SN 0160059502)**	
1	70026144	1	DIFFERENTIAL CASE **(8042 SN 0160059502 to Present)**	
1	70023910	1	DIFFERENTIAL CASE **(Including 10042 and 10054)**	
2	70022263	10	O. CLUTCH DISC, 1.2 **(8042 Prior to SN 0160059502)**	
2	70022263	8	O. CLUTCH DISC, 1.2 **(8042 SN 0160059502 to Present)**	
2	70022263	10	O. CLUTCH DISC, 1.2 **(Including 10042 and 10054)**	
2	70022264	10	O. CLUTCH DISC, 1.3 **(8042 Prior to SN 0160059502)**	
2	70022264	8	O. CLUTCH DISC, 1.3 **(8042 SN 0160059502 to Present)**	
2	70022264	10	O. CLUTCH DISC, 1.3 **(Including 10042 and 10054)**	
3	70022260	8	I. CLUTCH DISC **(8042 Prior to SN 0160059502)**	
3	70026145	6	I. CLUTCH DISC **(8042 SN 0160059502 to Present)**	
3	70022260	8	I. CLUTCH DISC **(Including 10042 and 10054)**	
4	70022261	2	PRESSURE DISC **(8042 Prior to SN 0160059502)**	
4	70026146	2	PRESSURE DISC **(8042 SN 0160059502 to Present)**	
4	70022261	2	PRESSURE DISC **(Including 10042 and 10054)**	
5	70022225	2	AXLE BEVEL GEAR	
6	70022185	4	DIFFERENTIAL BEVEL GEAR	
7	70022262	4	THRUST WASHER	
8	70022227	1	DIFFERENTIAL AXLE	
9	70022228	2	DIFFERENTIAL AXLE **(8042 Prior to SN 0160059502)**	
9	70026147	2	DIFFERENTIAL AXLE **(8042 SN 0160059502 to Present)**	
9	70022228	2	DIFFERENTIAL AXLE **(Including 10042 and 10054)**	
10	70023904	2	SLOTTED PIN **(8042 Prior to SN 0160059502)**	
10	70026148	2	SLOTTED PIN **(8042 SN 0160059502 to Present)**	
10	70023904	2	SLOTTED PIN **(Including 10042 and 10054)**	
11	70022229	1	COVER	
12		Ref	BEVEL GEAR SET, (See FRONT AXLE - INPUT for Breakdown)	
13	70022211	16	CAP SCREW, M12X35	

FIGURE 5-7. FRONT AXLE - AXLE CASING

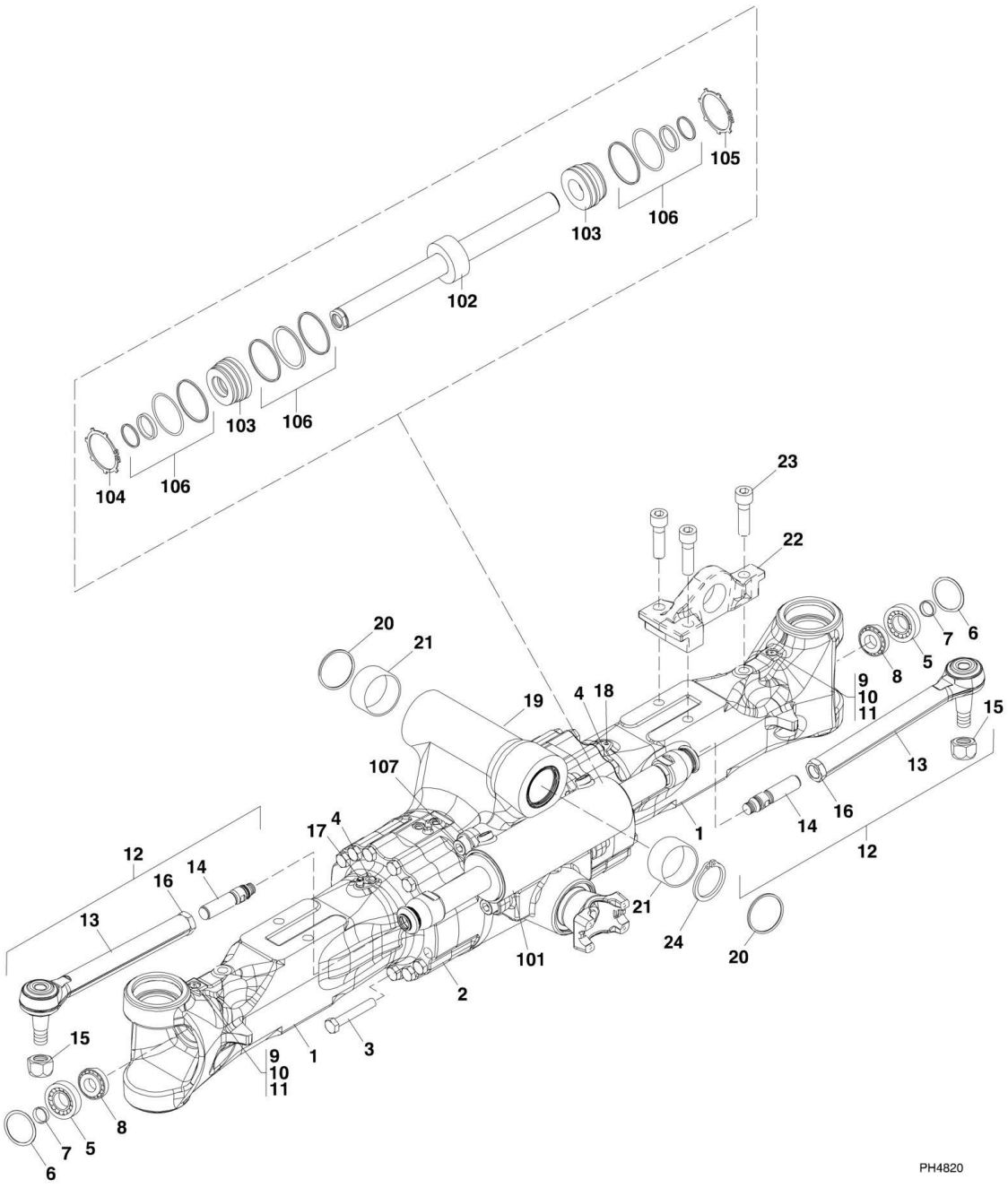


FIGURE 5-7. FRONT AXLE - AXLE CASING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - AXLE CASING**	
	1001103628	Ref	FRONT AXLE - AXLE CASING **(8042 Prior to SN 0160059502)**	
	1001150586	Ref	FRONT AXLE - AXLE CASING **(8042 SN 0160059502 to Present)**	
	1001103629	Ref	FRONT AXLE - AXLE CASING **(Including 10042 and 10054)**	
1	70022255	2	AXLE CASING	
2	70022277	1	AXLE DRIVE HOUSING	
3	70022206	28	HEX HD CAPSCREW, M18X180	
4	1319578	4	SCREW PLUG **(8042 Prior to SN 0160059502)**	
4	70023404	4	SCREW PLUG **(8042 SN 0160059502 to Present)**	
4	1319578	4	SCREW PLUG **(Including 10042 and 10054)**	
5	70022241	2	BUSHING	
6	70022204	2	O-RING	
7	70022217	2	SHAFT SEAL	
8	10731790	2	BEARING	
9	70022201	2	SET SCREW, M10X16 **(8042 Prior to SN 0160059502)**	
9	70024615	2	SET SCREW, M10X1X55 **(8042 SN 0160059502 to Present)**	
9	70022201	4	SET SCREW, M10X16 **(Including 10042 and 10054)**	
10	1319666	2	SCREW PLUG **(8042 Prior to SN 0160059502)**	
10	70023906	2	WASHER **(8042 SN 0160059502 to Present)**	
10	1319666	2	SCREW PLUG **(Including 10042 and 10054)**	
11	7027217	2	O-RING **(8042 Prior to SN 0160059502)**	
11	70023907	2	HEX NUT **(8042 SN 0160059502 to Present)**	
11	7027217	2	O-RING **(Including 10042 and 10054)**	
12	70022174	2	TIE ROD, (includes items 13 thru 16)	
13	70022175	1	BALL JOINT	
14	70022172	1	AXIAL JOINT	
15	8036758	1	LOCKNUT	
16	8036759	1	HEX NUT	
17	1319436	1	BREATHER	
18	8036418	1	SCREW PLUG	
19	1319423	1	GREASE FITTING	
20	1321234	2	BUSHING	
21	1321209	2	SHAFT SEAL	
22	70022254	1	BRACKET	
23	1001103619	3	HEX HD CAPSCREW, M22X80	
24	70022269	1	SNAP RING **(8042 SN 0160059502 to Present)**	
101	70022173	1	STEERING CYLINDER, (includes items 102 thru 106)	
102	70022177	1	PISTON ROD	
103	70022184	2	BREAK HEAD	
104	70022181	2	RETAINING RING	
105	70022180	2	RETAINING RING	
106	70022178	1	SEAL KIT	
107	70022210	4	CAPSCREW, M22X55 **(8042 Prior to SN 0160059502)**	
107	70022789	4	CAPSCREW, M22X1X55 **(8042 SN 0160059502 to Present)**	
107	70022210	1	CAPSCREW, M22X55 **(Including 10042 and 10054)**	

FIGURE 5-8. FRONT AXLE - M-DISC BRAKE

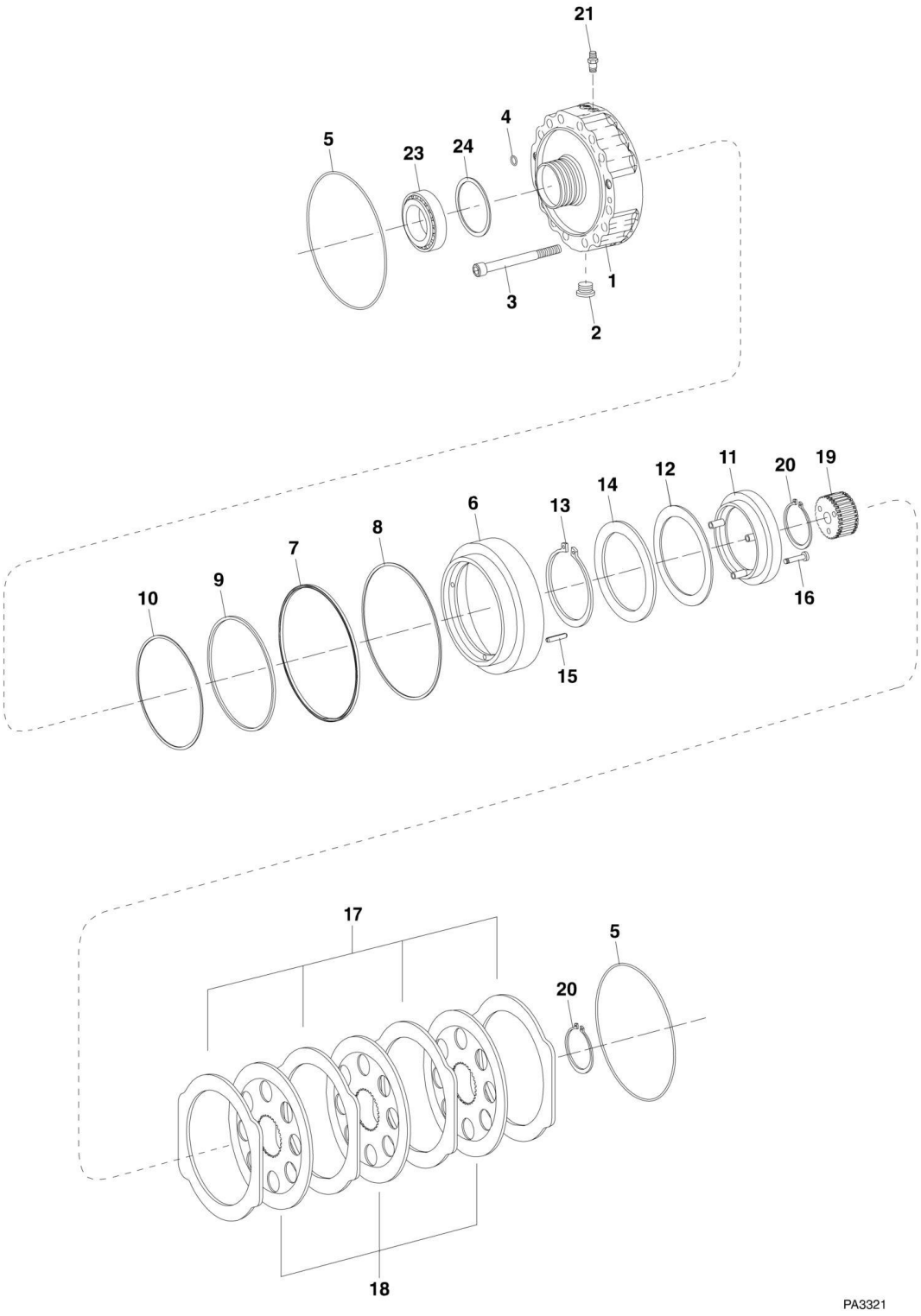


FIGURE 5-8. FRONT AXLE - M-DISC BRAKE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - M-DISC BRAKE**	
	1001103628	Ref	FRONT AXLE - M-DISC BRAKE **(8042 Prior to SN 0160059502)**	
	1001150586	Ref	FRONT AXLE - M-DISC BRAKE **(8042 SN 0160059502 to Present)**	
	1001103629	Ref	FRONT AXLE - M-DISC BRAKE **(Including 10042 and 10054)**	
1	70022258	2	BRAKE HOUSING **(8042 Prior to SN 0160059502)**	
1	70026149	2	BRAKE HOUSING **(8042 SN 0160059502 to Present)**	
1	70022258	2	BRAKE HOUSING **(Including 10042 and 10054)**	
2	1319578	2	SCREW PLUG **(8042 Prior to SN 0160059502)**	
2	70023404	1	SCREW PLUG **(8042 SN 0160059502 to Present)**	
2	1319578	1	SCREW PLUG **(Including 10042 and 10054)**	
3	70022209	6	CAP SCREW, M12X105	
4	8036847	10	O-RING **(8042 Prior to SN 0160059502)**	
4	70022779	10	O-RING **(8042 SN 0160059502 to Present)**	
4	8036847	10	O-RING **(Including 10042 and 10054)**	
5	80304462	4	O-RING	
6	70022275	2	PISTON	
7	70022190	2	PISTON PACKING	
8	70022193	2	BACKUP RING	
9	70022189	2	PISTON PACKING	
10	70022194	2	BACKUP RING	
11	70022236	2	RING **(8042 Prior to SN 0160059502)**	
11	70023908	2	RING **(8042 SN 0160059502 to Present)**	
11	70022236	2	RING **(Including 10042 and 10054)**	
12	70022183	2	CUP SPRING	
13	70022198	2	RETAINING RING	
14	70022235	2	WASHER	
15	70022186	6	SLOT PIN	
16	1319214	6	CAP SCREW, M8X40	
17	70022196	10	O. CLUTCH DISC	
18	70022176	8	I. CLUTCH DISC	
19	70022253	2	DISC CARRIER	
20	10731949	4	RETAINING RING	
21	70022171	2	BREATHER	
22	70022215	2	SCREW PLUG, (not shown) **(8042 Prior to SN 10160059502)**	
22	70022215	2	SCREW PLUG, (not shown) **(Including 10042 and 10054)**	
23	8036447	2	BEARING	
24	1319537	2	SHIM, 0.95	
24	1319545	2	SHIM, 1.05	
24	1319539	2	SHIM, 1.15	
24	1319540	2	SHIM, 1.25	
24	1319542	2	SHIM, 1.35	

FIGURE 5-9. FRONT AXLE - BRAKE

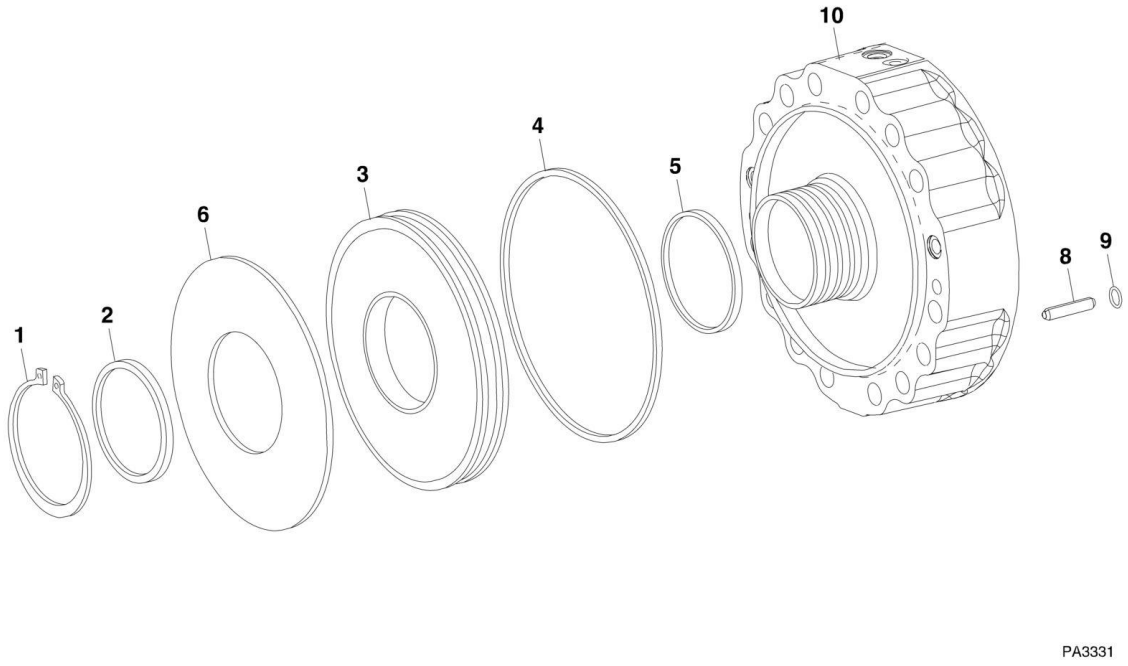


FIGURE 5-9. FRONT AXLE - BRAKE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - BRAKE**	
	1001103628	Ref	FRONT AXLE - BRAKE **(8042 Prior to SN 0160059502)**	
	1001150586	Ref	FRONT AXLE - BRAKE **(8042 SN 0160059502 to Present)**	
	1001103629	Ref	FRONT AXLE - BRAKE **(Including 10042 and 10054)**	
1	70022199	2	SNAP RING	
2	70022252	2	WASHER	
3	70022251	2	PISTON	
4	70022191	2	PISTON PACKING	
5	70022192	2	ROD SEAL	
6	70022195	2	CUP SPRING	
7	70022215	2	SCREW PLUG, (not shown) **(8042 Prior to SN 0160059502)**	
7	70022215	2	SCREW PLUG, (not shown) **(Including 10042 and 10054)**	
8	70022248	14	PRESSURE PIN **(8042 Prior to SN 0160059502)**	
8	70024616	14	PRESSURE PIN **(8042 SN 0160059502 to Present)**	
8	70022248	14	PRESSURE PIN **(Including 10042 and 10054)**	
9	70022202	14	O-RING **(8042 Prior to SN 0160059502)**	
9	70022202	14	O-RING **(Including 10042 and 10054)**	
10		Ref	BRAKE HOUSING, (See FRONT AXLE - M-DISC BRAKE for Breakdown)	

FIGURE 5-10. FRONT AXLE - JOINT HOUSING

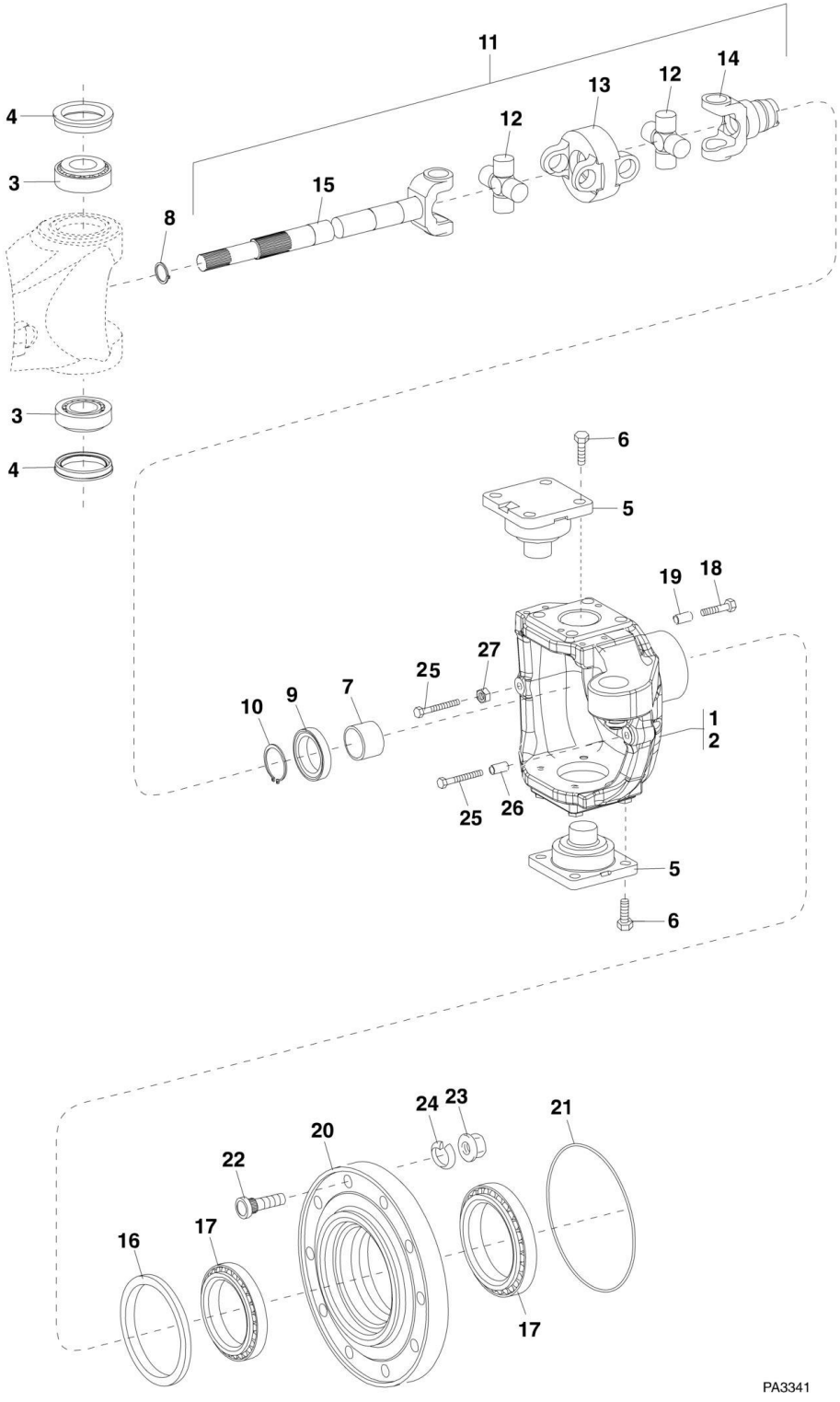


FIGURE 5-10. FRONT AXLE - JOINT HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - JOINT HOUSING**	
	1001103628	Ref	FRONT AXLE - JOINT HOUSING **(8042 Prior to SN 0160059502)**	
	1001150586	Ref	FRONT AXLE - JOINT HOUSING **(8042 SN 0160059502 to Present)**	
	1001103629	Ref	FRONT AXLE - JOINT HOUSING **(Including 10042 and 10054)**	
1	70022237	1	JOINT HOUSING, (left side)	
2	70022238	1	JOINT HOUSING, (right side)	
3	70022223	4	ROLLER BEARING	
4	1319447	4	SHAFT SEAL	
5	70022240	4	BEARING PIN	
6	1319464	16	HEX SCREW, M16X40	
7	70022179	2	BUSHING	
8	10731789	2	RETAINING RING	
9	70022218	2	SHAFT SEAL	
10	1321226	2	RETAINING RING **(8042 Prior to SN 0160059502)**	
10	1321228	2	RETAINING RING **(8042 SN 0160059502 to Present)**	
10	1321228	2	RETAINING RING **(Including 10042 and 10054)**	
11	70022170	2	UNIVERSAL COUPLING DRIVE SHAFT ASSY (includes items 12 thru 15) **(8042 Prior to SN 0160059502)**	
11	70026150	2	UNIVERSAL COUPLING DRIVE SHAFT ASSY (includes items 12 thru 15) **(8042 SN 0160059502 to Present)**	
11	70022265	2	UNIVERSAL COUPLING DRIVE SHAFT ASSY (includes items 12 thru 15) **(Including 10042 and 10054)**	
12	70021554	2	JOINT CROSS **(8042 Prior to SN 0160059502)**	
12	70024620	2	JOINT CROSS **(8042 SN 0160059502 to Present)**	
12	70021790	2	JOINT CROSS **(Including 10042 and 10054)**	
13	70021553		CENTRAL PIECE **(8042 Prior to SN 0160059502)**	
13	70024621	1	CENTRAL PIECE **(8042 SN 0160059502 to Present)**	
13	70022268	1	CENTRAL PIECE **(Including 10042 and 10054)**	
14	70022187	1	FORK SHAFT **(8042 Prior to SN 0160059502)**	
14	70024619	1	FORK SHAFT **(8042 SN 0160059502 to Present)**	
14	N.S.S.	1	FORK SHAFT **(Including 10042 and 10054)**	
15	70022188	1	FORK SHAFT **(8042 Prior to SN 0160059502)**	
15	70024618	1	FORK SHAFT **(8042 SN 0160059502 to Present)**	
15	N.S.S.	1	FORK SHAFT **(Including 10042 and 10054)**	
16	80304173	2	SHAFT SEAL	
17	1319472	4	ROLLER BEARING	
18	70022208	16	HEX SCREW, M14X70 **(8042 Prior to SN 0160059502)**	
18	70023405	16	HEX SCREW, M14X70 **(8042 SN 0160059502 to Present)**	
18	70022208	16	HEX SCREW, M14X70 **(Including 10042 and 10054)**	
19	70022234	16	CENTERING BUSHING	
20	70022249	2	HUB **(8042 Prior to SN 0160059502)**	
20	70024613	2	HUB **(8042 SN 0160059502 to Present)**	
20	70022249	2	HUB **(Including 10042 and 10054)**	
21	70022203	2	O-RING	
22	70022230	20	WHEEL BOLT **(8042 Prior to SN 0160059502)**	
22	70024398	20	WHEEL BOLT **(8042 SN 0160059502 to Present)**	
22	70022230	20	WHEEL BOLT **(Including 10042 and 10054)**	
23		Ref	WHEEL NUT, (See DRIVE TRAIN COMPONENTS for Breakdown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
24		Ref	LOCKWASHER, (See DRIVE TRAIN COMPONENTS for Breakdown)	
25	8036330	4	STOP SCREW, M14X1.5	
26	70022257	2	SPACER TUBE	
27	1319477	2	HEX NUT, M14X1.5	

FIGURE 5-11. FRONT AXLE - PLANETARY DRIVE

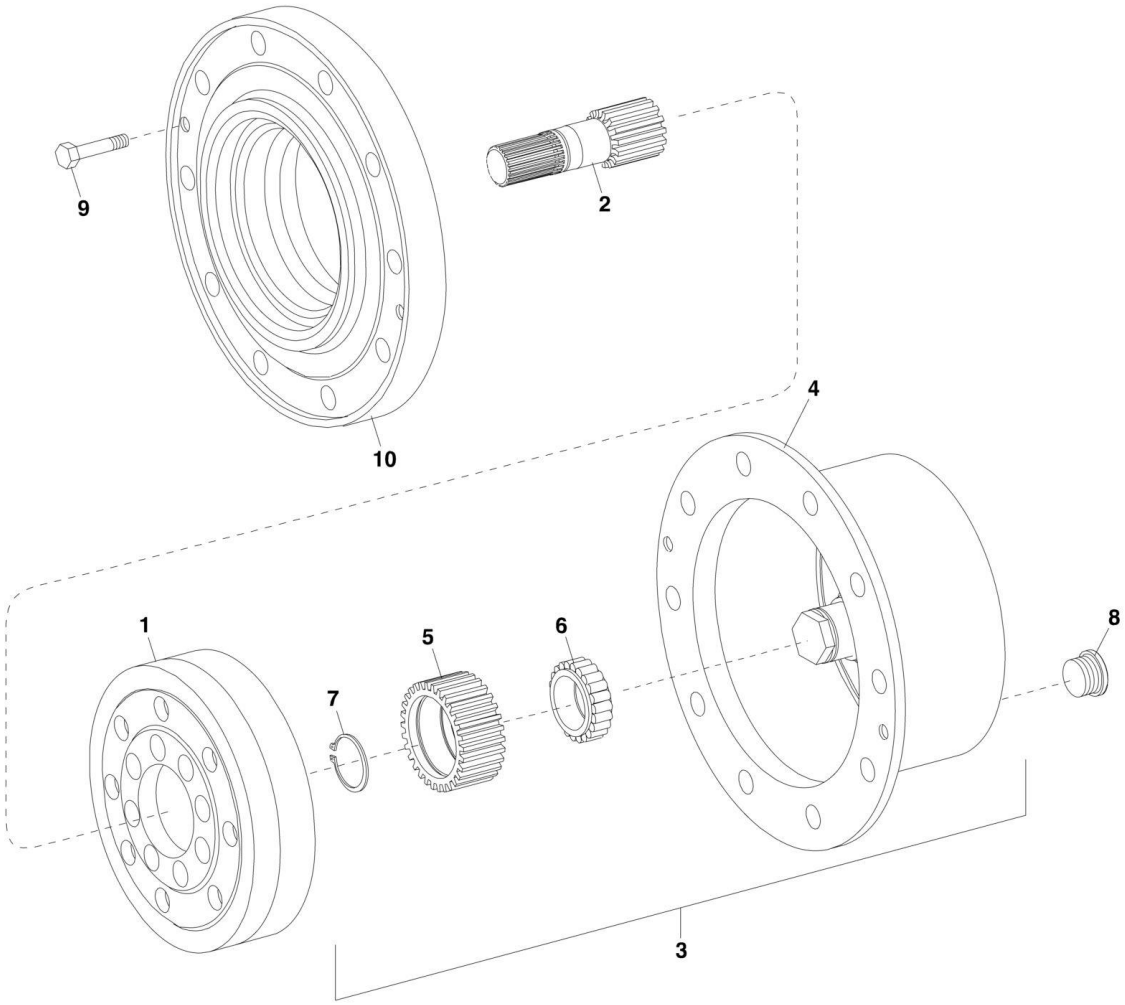
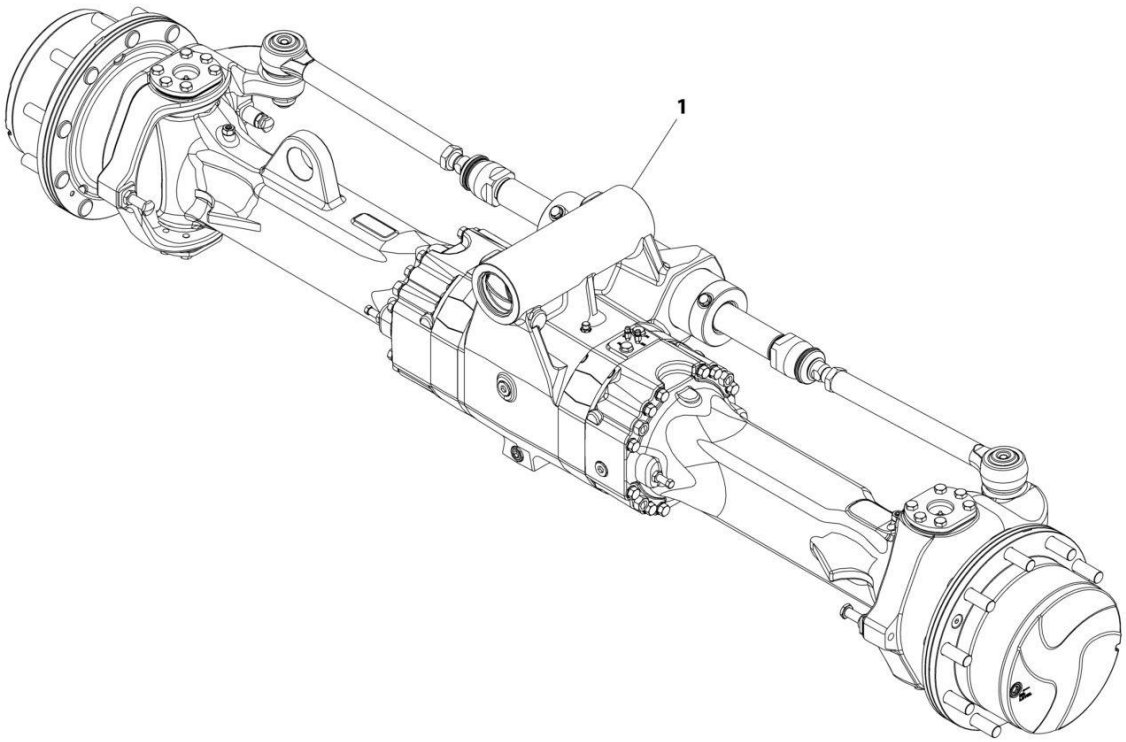


FIGURE 5-11. FRONT AXLE - PLANETARY DRIVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRONT AXLE - PLANETARY DRIVE**	
	1001103628	Ref	FRONT AXLE - PLANETARY DRIVE **(8042 Prior to SN 0160059502)**	
	1001150586	Ref	FRONT AXLE - PLANETARY DRIVE **(8042 SN 0160059502 to Present)**	
	1001103629	Ref	FRONT AXLE - PLANETARY DRIVE **(Including 10042 and 10054)**	
1	70022242	1	RING GEAR (8042)	
1	70022274	1	RING GEAR (10042,10054)	
2	70022239	2	SUN GEAR SHAFT **(8042 Prior to SN 0160059502)**	
2	70026151	2	SUN GEAR SHAFT **(8042 SN 0160059502 to Present)**	
2	70022278	2	SUN GEAR SHAFT **(Including 10042 and 10054)**	
3	70022281	2	PLANETARY CARRIER ASSY (includes items 4 thru 7) (8042)	
3	70022273	2	PLANETARY CARRIER ASSY (includes items 4 thru 7) (10042,10054)	
4	70022283	1	PLANETARY CARRIER (8042)	
4	70022279	1	PLANETARY CARRIER (10042,10054)	
5	70022243	4	PLANETARY GEAR (8042) **(8042 Prior to SN 0160059502)**	
5	70024614	4	PLANETARY GEAR (8042) **(8042 SN 0160059502 to Present)**	
5	70022271	3	PLANETARY GEAR (10042,10054) **(Including 10042 and 10054)**	
6	70022785	4	CYL ROLLER BEARING (8042)	
6	70023330	3	CYL ROLLER BEARING (10042,10054)	
7	70022197	4	RETAINING RING (8042)	
7	80304227	3	RETAINING RING (10042,10054)	
8	1319578	2	SCREW PLUG **(8042 Prior to SN 0160059502)**	
8	70023404	2	SCREW PLUG **(8042 SN 0160059502 to Present)**	
8	1319578	2	SCREW PLUG **(Including 10042 and 10054)**	
9	70022207	4	HEX SCREW, M12X30	
10		Ref	HUB, (See FRONT AXLE - JOINT HOUSING for Breakdown)	

FIGURE 5-12. FRONT AXLE (110HP) (ULS) (8042)



ART_1001220492-D

FIGURE 5-12. FRONT AXLE (110HP) (ULS) (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220492	Ref	Front Axle (110HP) (ULS)	D
		Ref	Front Axle - Central Housing (See Separate Breakdown in this Section)	
		Ref	Front Axle - Differential (See Separate Breakdown in this Section)	
		Ref	Front Axle - Hub Reduction (See Separate Breakdown in this Section)	
		Ref	Front Axle - Brakes (See Separate Breakdown in this Section)	
		Ref	Front Axle - Steering (See Separate Breakdown in this Section)	

FIGURE 5-13. CENTRAL HOUSING, FRONT AXLE (110HP) (ULS) (8042)

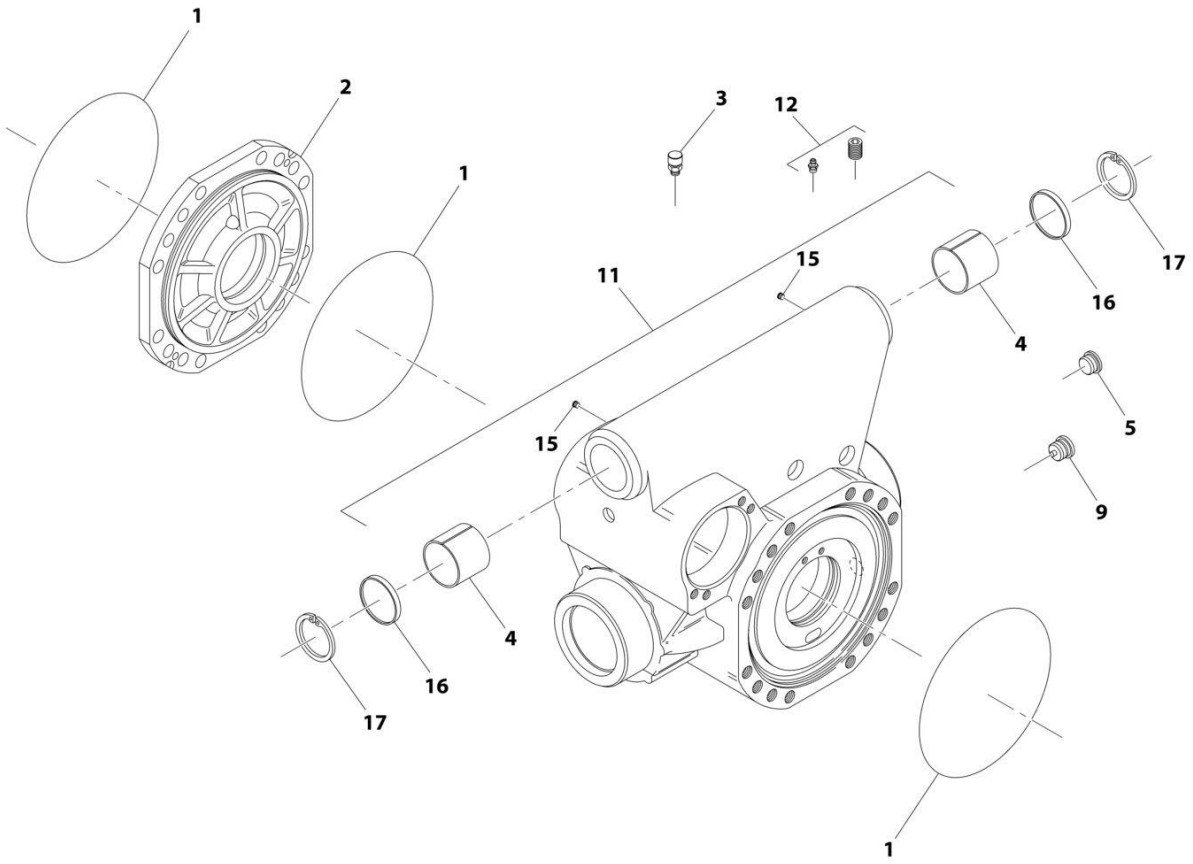
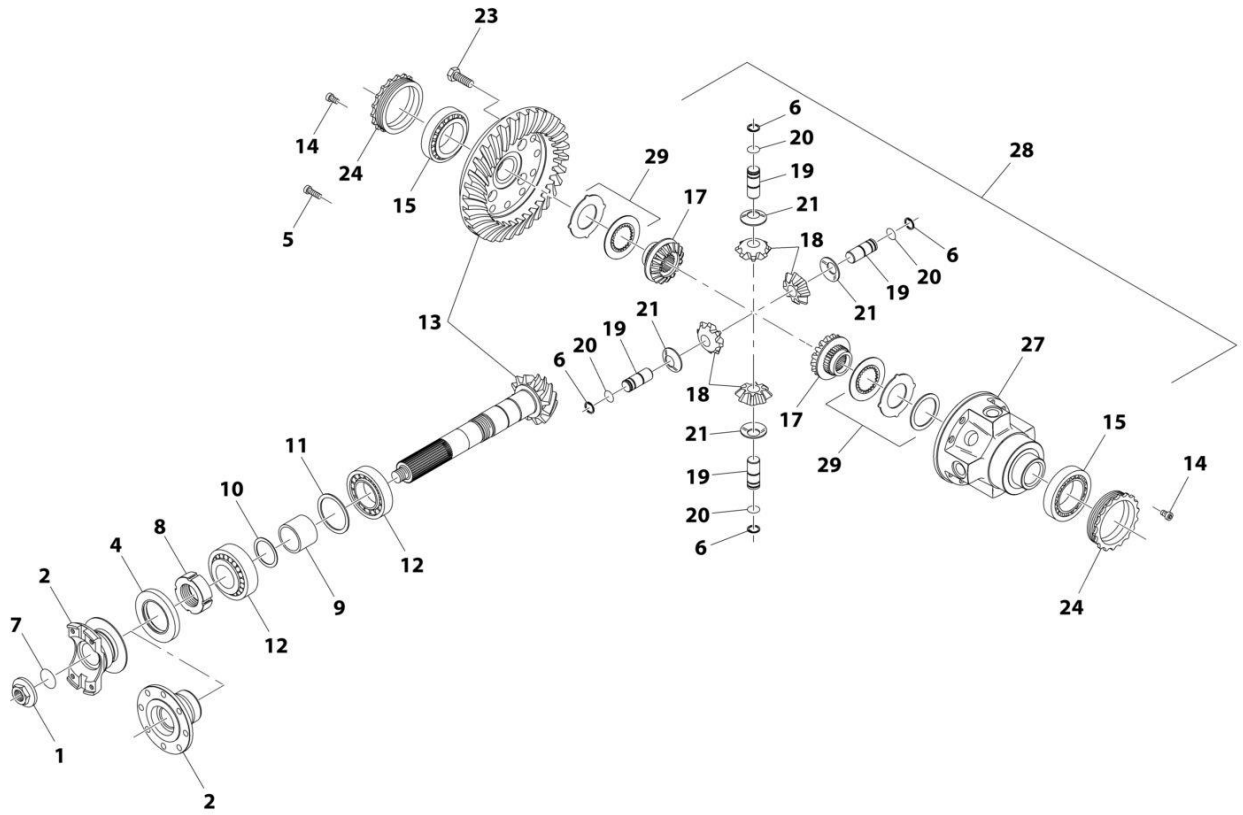


FIGURE 5-13. CENTRAL HOUSING, FRONT AXLE (110HP) (ULS) (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220492	Ref	FRONT AXLE, CENTRAL HOUSING	D
1	91474507	3	O-Ring	
2	70024872	1	Cover	
3	91474512	1	Plug	
4	70028886	2	Thrust Bushing	
5	91514188	1	Plug With Seal Washer	
9	7028706	1	Magnetic Plug	
11	N.S.S.	1	Housing	
12	70024881	2	Grease Fitting	
15	70028938	2	Plug	
16	70028974	2	Seal	
17	70028939	2	Ring	

FIGURE 5-14. DIFFERENTIAL, FRONT AXLE (110HP) (ULS) (8042)



ART_1001220492_2

FIGURE 5-14. DIFFERENTIAL, FRONT AXLE (110HP) (ULS) (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220492	Ref	FRONT AXLE, DIFFERENTIAL	D
1	70026631	1	Nut	
2	70022797	1	Flange and Cover Kit	
4	70024522	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	70025556	1	Shim Kit	
11	70025555	1	Shim Kit	
12	3968141	2	Tapered Roller Bearing	
13	70025547	1	Bevel Gear Set	
14	91514134	2	Bolt	
15	70028471	2	Tapered Roller Bearing	
17	91474549	2	Differential Side Gear	
18	91474554	4	Differential Pinion	
19	7029131	4	Pin	
20	91474551	4	Circlip	
21	91474553	4	Friction Washer	
23	70025562	12	Bolt	
24	91474547	2	Ring Nut	
27	8007751	1	Differential Carrier	
28	70028940	1	Kit, Differential (See Separate Breakdown In This Section)	
29	8007755	2	Disc	

FIGURE 5-15. HUB REDUCTION, FRONT AXLE (110HP) (ULS) (8042)

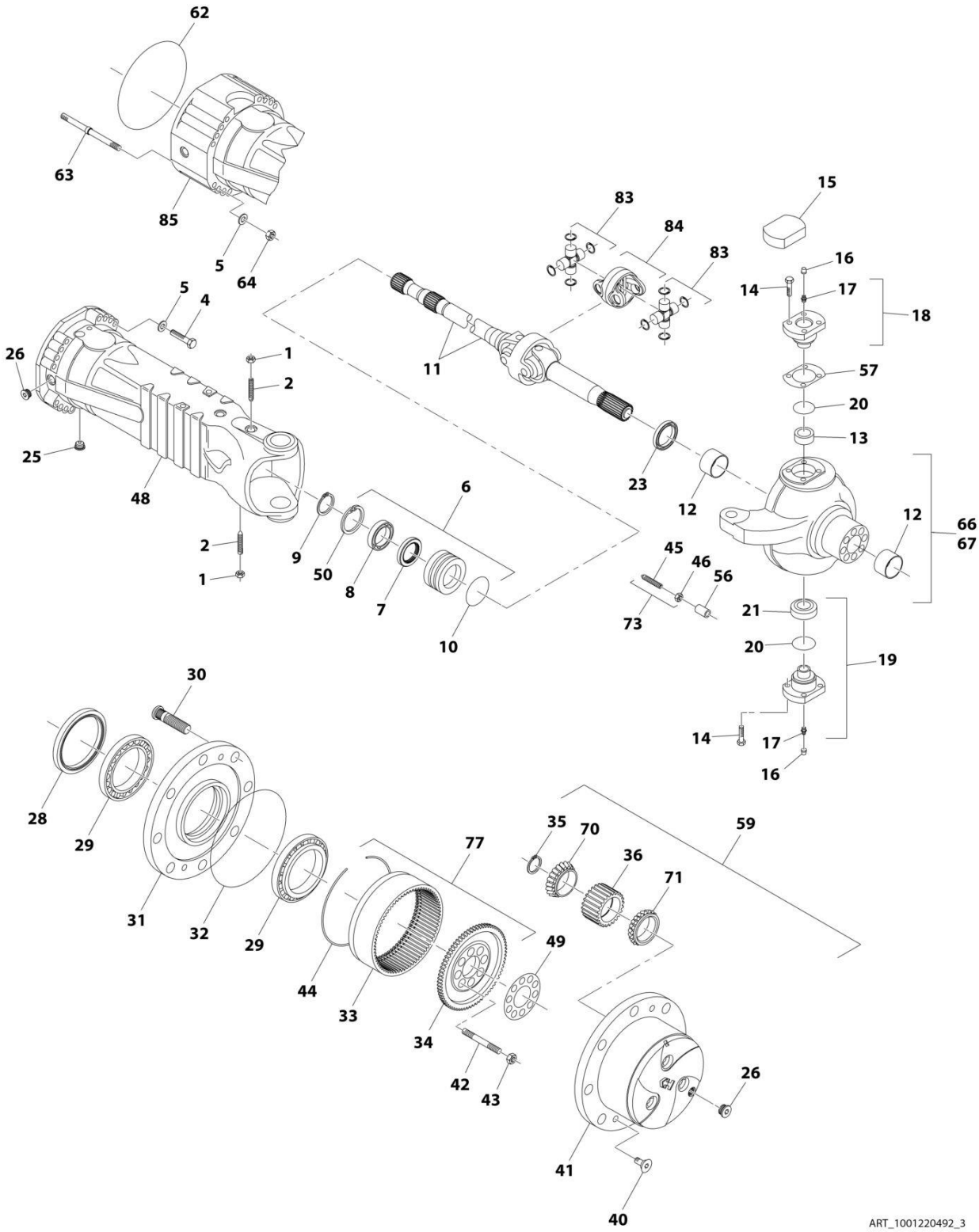


FIGURE 5-15. HUB REDUCTION, FRONT AXLE (110HP) (ULS) (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220492	Ref	FRONT AXLE, HUB REDUCTION	D
1	91514082	2	Nut	
2	91514081	2	Bolt	
4	70025012	24	Bolt	
5	91514084	8	Sealing Washer	
6	91514149	2	Reduction Bushing (See Separate Breakdown in this Section)	
7	91514147	2	Seal	
8	91514146	2	Ball Bearing	
9	80204071	2	Circlip	
10	91514148	2	O-Ring	
11	70026803	2	Double Universal Joint and Shaft	
12	91514111	2	Thrust Bushing	
13	7028714	2	Bushing	
14	70025562	24	Bolt	
15	70028392	2	Cover	
16	80204117	2	Plug	
17	70024881	4	Grease Fitting	
18	70028890	2	Pivot Pin	
19	70028891	2	Pivot Pin	
20	7028716	4	Dust Excluder	
21	91514095	2	Bearing	
23	70026238	2	Seal	
25	7028706	4	Magnetic Plug	
26	91514188	2	Plug With Seal Washer	
28	7028721	2	Seal	
29	91474576	4	Bearing	
30	91514183	20	Wheel Stud	
31	7028722	2	Wheel Hub	
32	91514181	2	O-Ring	
33	70026811	2	Ring Gear	
34	70026812	2	Ring Gear Support	
35	70028925	3	Circlip	
36	70028941	6	Differential Pinion	
40	91514189	4	Countersunk Bolt	
41	70028881	1	Planet Gear Carrier	
42	70027315	16	Stud	
43	91474584	16	Nut	
44	91514175	2	Circlip	
45	91514117	4	Bolt	
46	80204065	4	Nut	
48	70028942	1	Axle Case	
49	70026622	2	Locking Plate	
50	80204005	2	Circlip	
56	7029311	2	Spacer	
57	70025561	1	Shim Kit	
59	70028881	2	Kit, Planet Gear (See Separate Breakdown in this Section)	
62	91474507	2	O-Ring	
63	70025014	8	Stud	
64	91514083	8	Nut	
66	70029471	1	Steering Case (LH)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
67	70029472	1	Steering Case (RH)	
70	7028731	6	Bearing	
71	7028732	NLA	Bearing (Use/Order both PN 70031458 & 70031459 as Replacement)	
71	70031458	6	Bearing	
71	70031459	6	Bearing	
73	7028733	4	Bolt, Steering Adjust (See Separate Breakdown in this Section)	
77	70026806	2	Kit, Ring Gear Support (See Separate Breakdown in this Section)	
83	70028943	2	Joint Cross	
84	70028944	1	Joint Center Section	
85	70028945	1	Axle Case	

FIGURE 5-16. BRAKES, FRONT AXLE (110HP) (ULS) (8042)

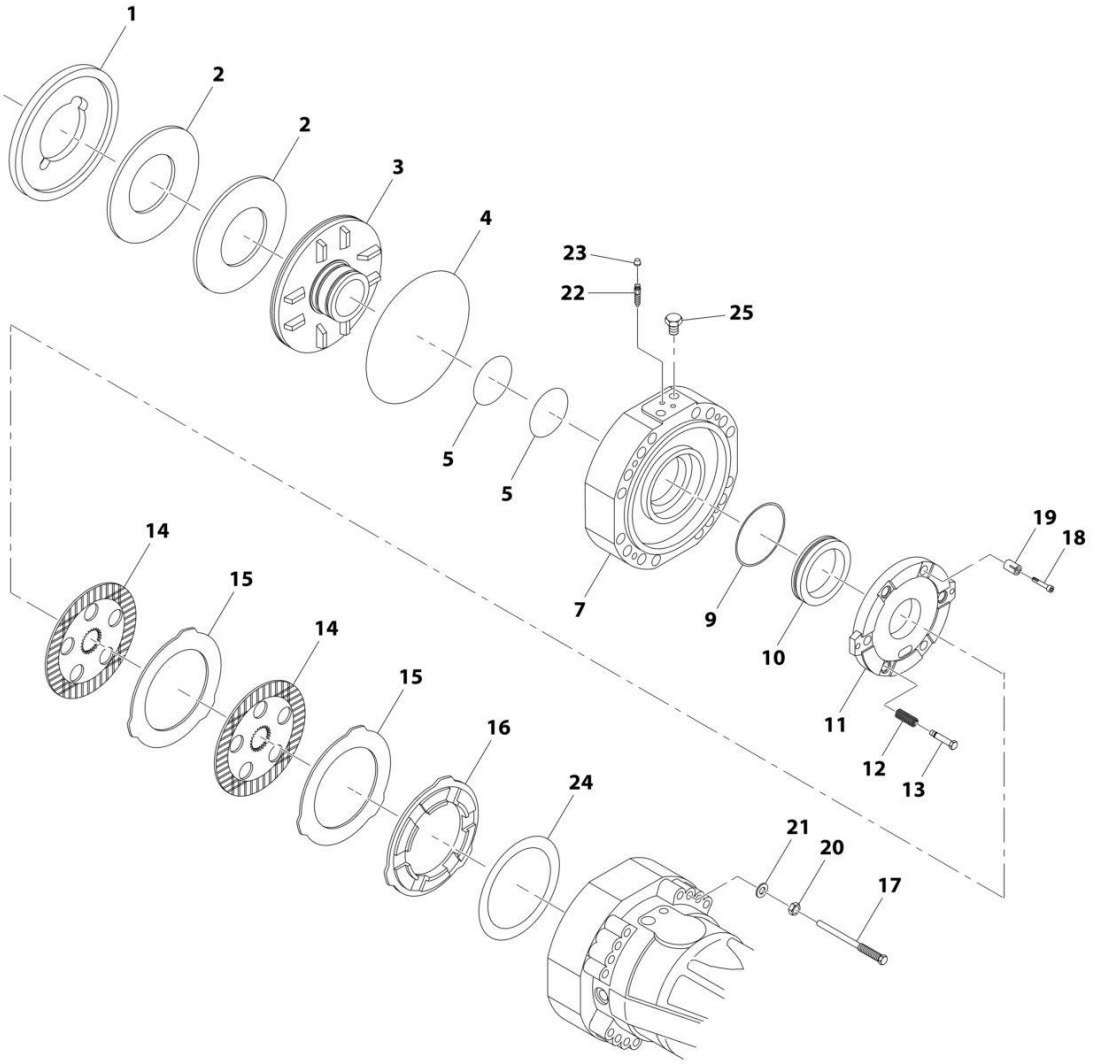


FIGURE 5-16. BRAKES, FRONT AXLE (110HP) (ULS) (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220492	Ref	FRONT AXLE, BRAKES	D
1	7028734	1	Spacer	
2	91474559	4	Spring	
3	91474560	2	Piston	
4	91474561	2	O-Ring	
5	70026262	4	O-Ring, Anti-Twist	
7	7028735	2	Cover	
9	70026623	2	O-Ring, Anti-Twist	
10	70028946	2	Piston	
11	91474565	2	Brake Disc	
12	91514159	6	Spring	
13	70024210	6	Adjusting Bolt	
14	70028798	8	Disc	
15	70025823	8	Intermediate Brake Disc	
16	91474570	2	Spacer	
17	7028736	4	Bolt	
18	7029787	6	Adjusting Bolt	
19	70027317	6	Spring	
20	80204060	4	Nut	
21	80204108	4	Lock Washer	
22	80204281	4	Bleeding Bolt	
23	80204117	4	Plug	
24	70025981	1	Shim Kit	
25	91514154	4	Plug With Seal Washer	

FIGURE 5-17. STEERING, FRONT AXLE (110HP) (8042)

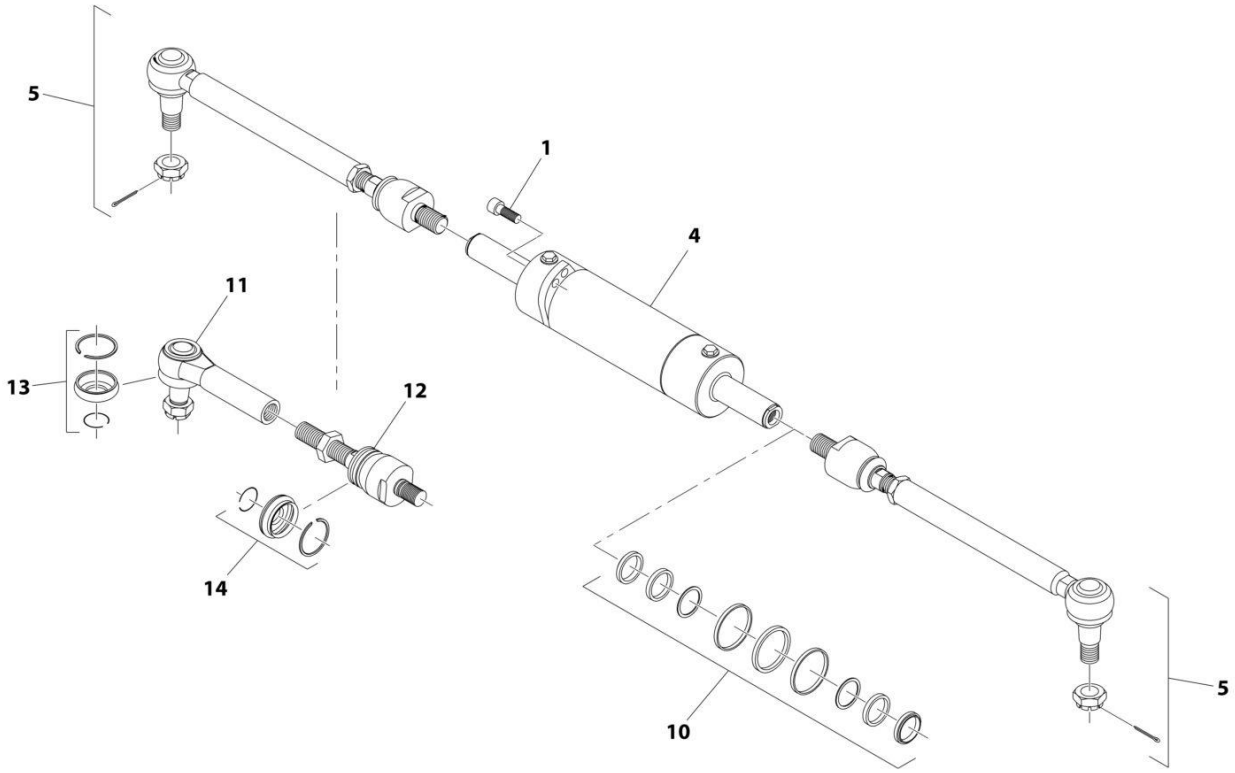


FIGURE 5-17. STEERING, FRONT AXLE (110HP) (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220492	Ref	FRONT AXLE, STEERING	D
1	80204144	5	Bolt	
4	70028947	1	Cylinder, Steering	
5	70028948	2	Tie Rod	
10	7029127	1	Kit, Seal	
11	70028949	1	Joint	
12	70028950	1	Axial Joint Shaft	
13	70028951	1	Rubber Boot and Locking Ring Kit	
14	70028952	1	Rubber Boot and Locking Ring Kit	

FIGURE 5-18. FRONT AXLE, DIFFERENTIAL KIT 74HP (8042)

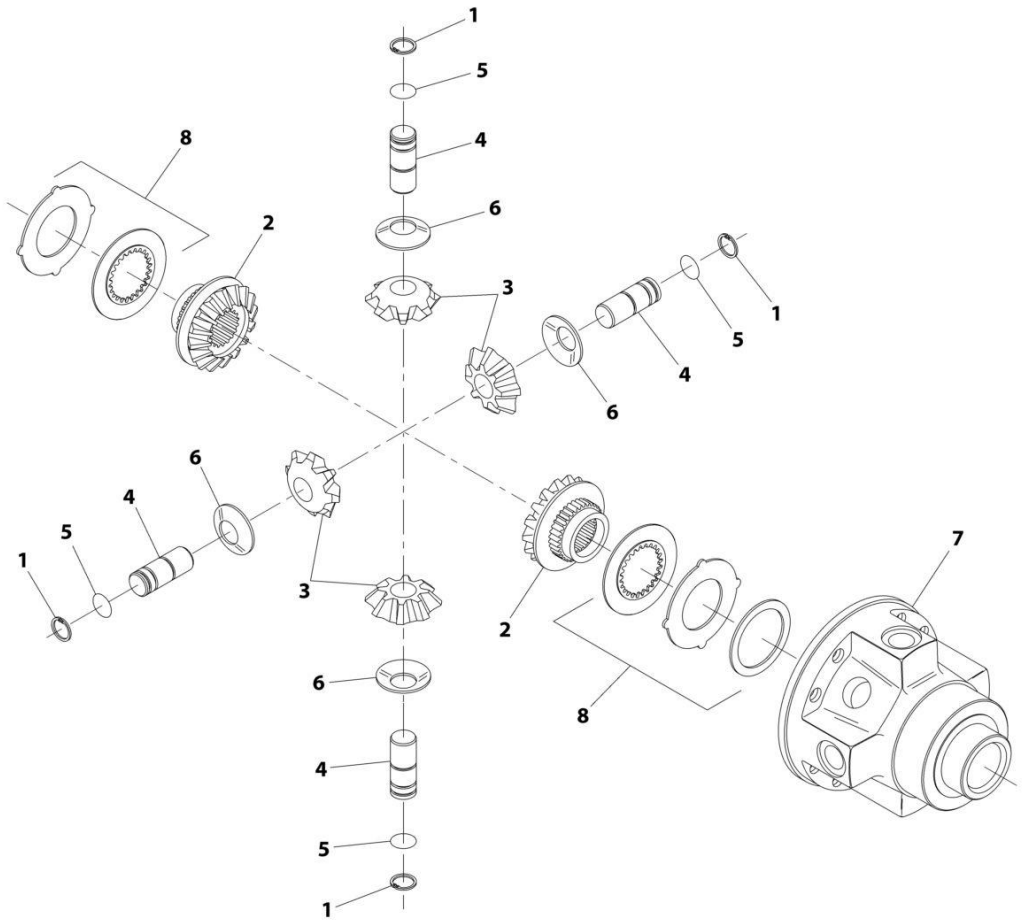


FIGURE 5-18. FRONT AXLE, DIFFERENTIAL KIT 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70028940	Ref	DIFFERENTIAL KIT 74HP	
1	91474550	4	CIRCLIP	
2	91474549	2	GEAR, DIFFERENTIAL SIDE	
3	91474554	4	PINION, DIFFERENTIAL	
4	7029131	4	PIN	
5	91474551	4	CIRCLIP	
6	91474553	4	WASHER, FRICTION	
7	8007751	1	CARRIER, DIFFERENTIAL	
8	8007755	2	DISC	

FIGURE 5-19. FRONT AXLE, STEERING ADJUSTING BOLT KIT 74HP (8042)

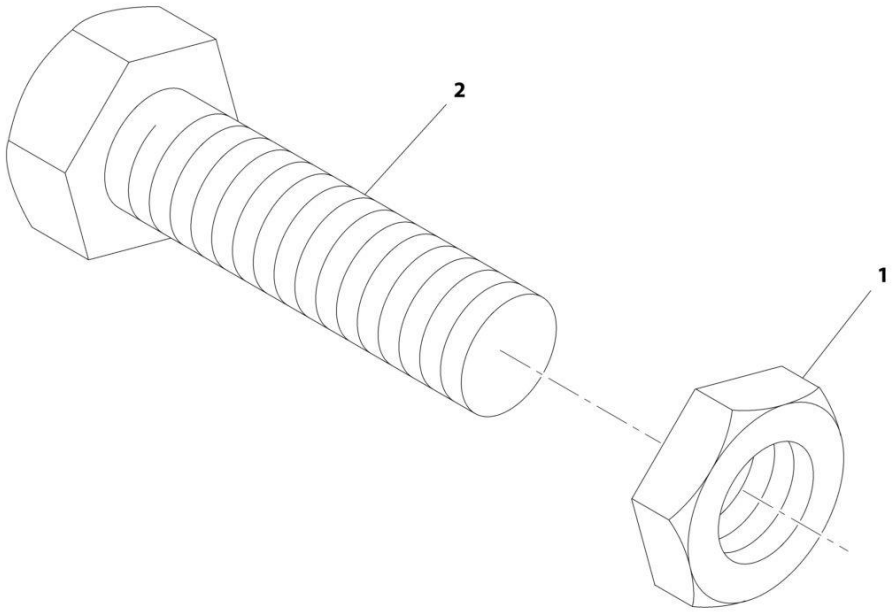
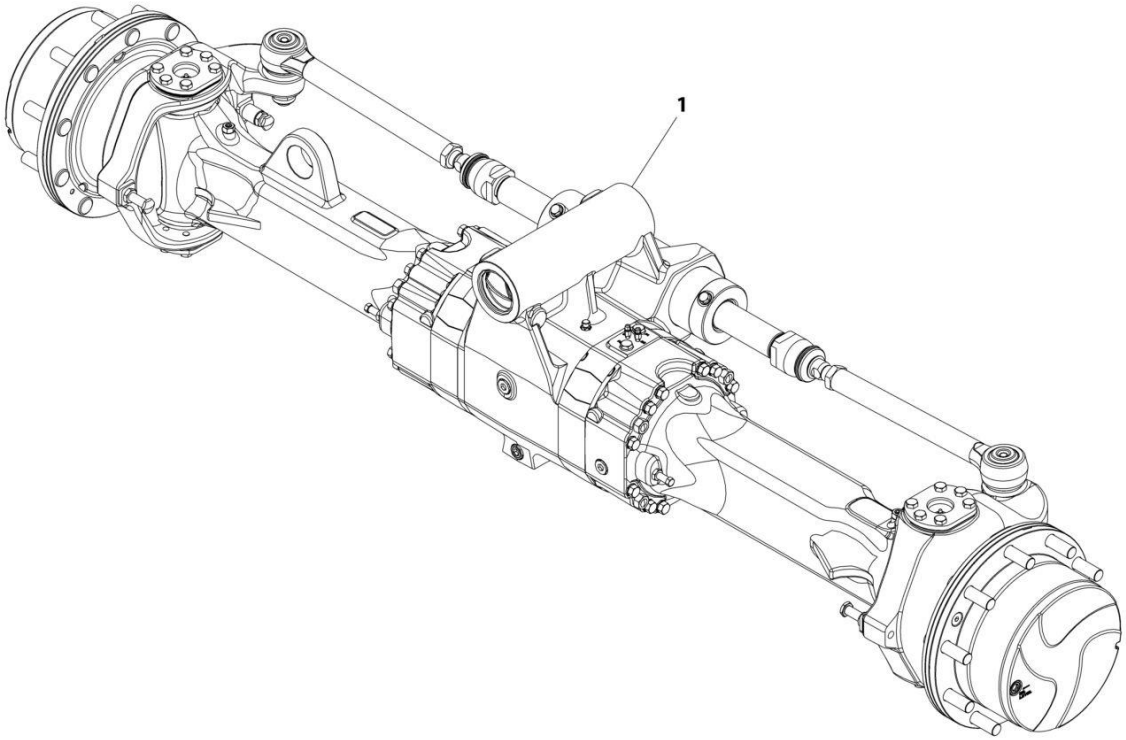


FIGURE 5-19. FRONT AXLE, STEERING ADJUSTING BOLT KIT 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7028733	Ref	STEERING ADJUST BOLT KIT 74HP	
1	80204065	1	NUT	
2	91514117	1	BOLT	

FIGURE 5-20. FRONT AXLE INSTALLATION, 74HP (8042)



ART_1005798000-C

FIGURE 5-20. FRONT AXLE INSTALLATION, 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798000	Ref	Front Axle Installation, 74HP	C
1		Ref	Front Axle - Central Housing (See Separate Breakdown in this Section)	
2		Ref	Front Axle - Differential (See Separate Breakdown in this Section)	
3		Ref	Front Axle - Hub Reduction (See Separate Breakdown in this Section)	
4		Ref	Front Axle - Brakes (See Separate Breakdown in this Section)	
5		Ref	Front Axle - Steering (See Separate Breakdown in this Section)	

FIGURE 5-21. FRONT AXLE, CENTRAL HOUSING 74HP (8042)

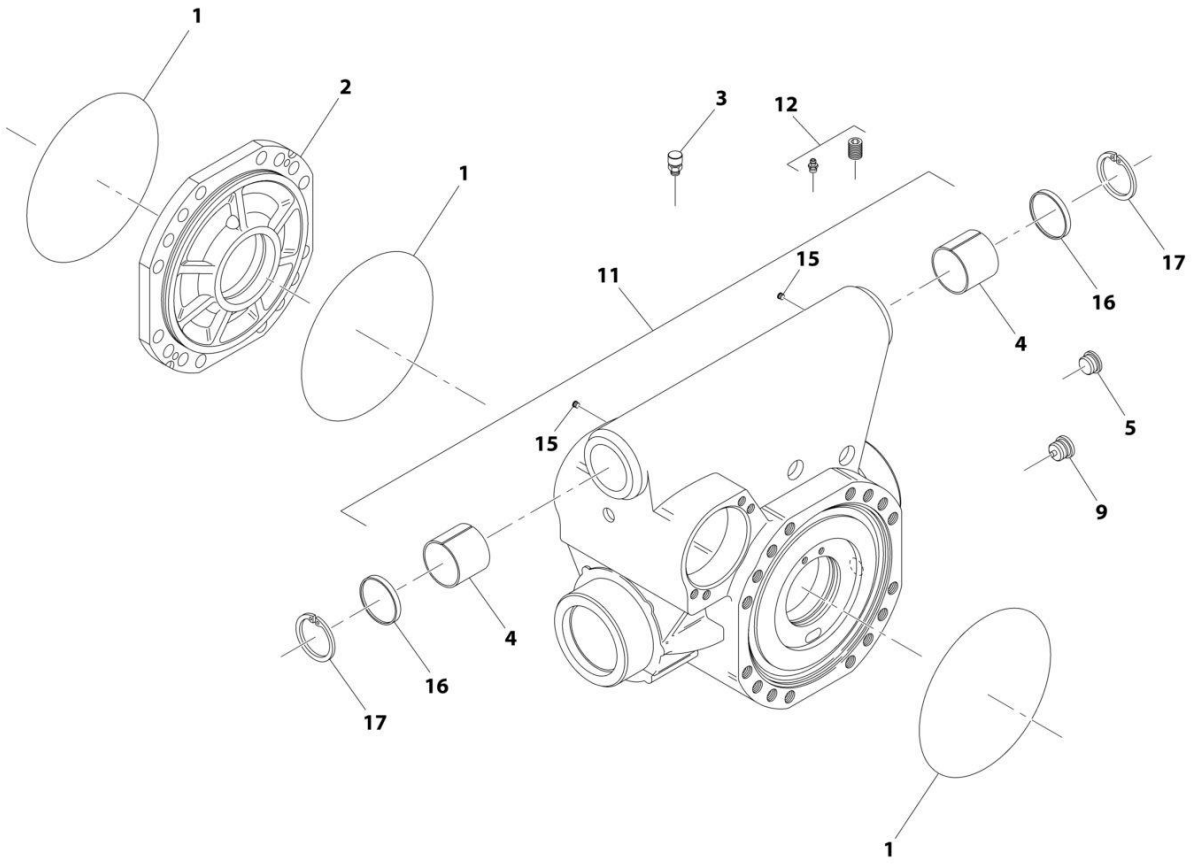


FIGURE 5-21. FRONT AXLE, CENTRAL HOUSING 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798000	Ref	FRONT AXLE, CENTRAL HOUSING	C
1	91474507	3	O-Ring	
2	70024872	1	Cover	
3	91474512	1	Vent	
4	70028886	2	Thrust Bushing	
5	91514188	1	Plug	
9	7028706	1	Magnet Plug	
11	N.S.S.	1	Housing	
12	70024881	2	Fitting, Grease	
15	70028938	2	Plug	
16	70028974	2	Seal	
17	70028939	2	Ring	

FIGURE 5-22. FRONT AXLE, DIFFERENTIAL 74HP (8042)

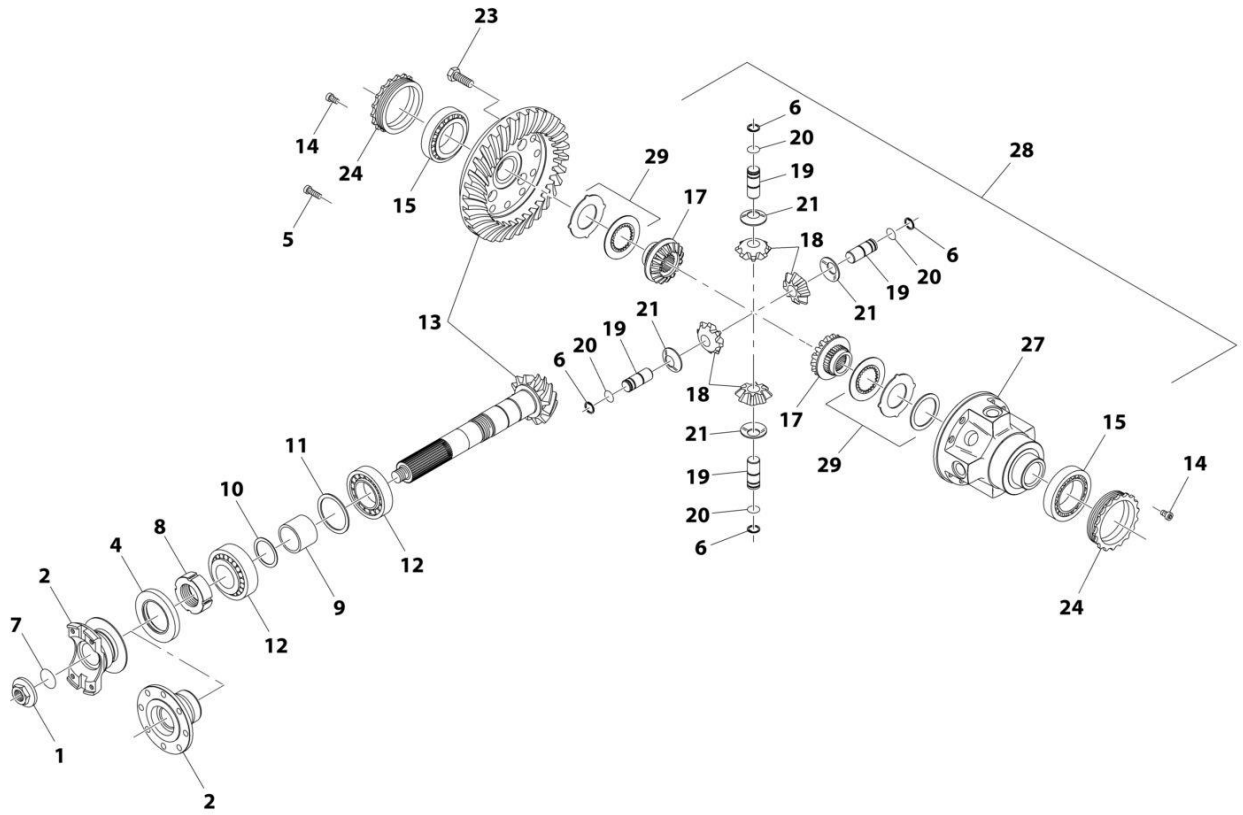


FIGURE 5-22. FRONT AXLE, DIFFERENTIAL 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798000	Ref	FRONT AXLE, DIFFERENTIAL	C
1	70026631	1	Nut	
2	70022797	1	Flange	
4	70024522	1	Seal	
5	91474591	4	Bolt	
6	91474550	4	Circlip	
7	91474529	1	O-Ring	
8	91474533	1	Nut, Ring	
9	91474539	1	Spacer	
10	70025556	1	Kit, Shim	
11	70025555	1	Kit, Shim	
12	3968141	2	Bearing, Taper Roller	
13	8007749	1	Bevel Gear Set	
14	91514134	2	Bolt	
15	70028471	2	Bearing, Taper Roller	
17	91474549	2	Gear, Differential Side	
18	91474554	4	Pinion, Differential	
19	7029131	4	Pin	
20	91474551	4	Circlip	
21	91474553	4	Washer, Friction	
23	70025562	12	Bolt	
24	91474547	2	Nut, Ring	
27	8007751	1	Carrier, Differential	
28	70028940	1	Kit, Differential (See Separate Breakdown in this Section)	
29	8007755	2	Disc	

FIGURE 5-23. FRONT AXLE, HUB REDUCTION 74HP (8042)

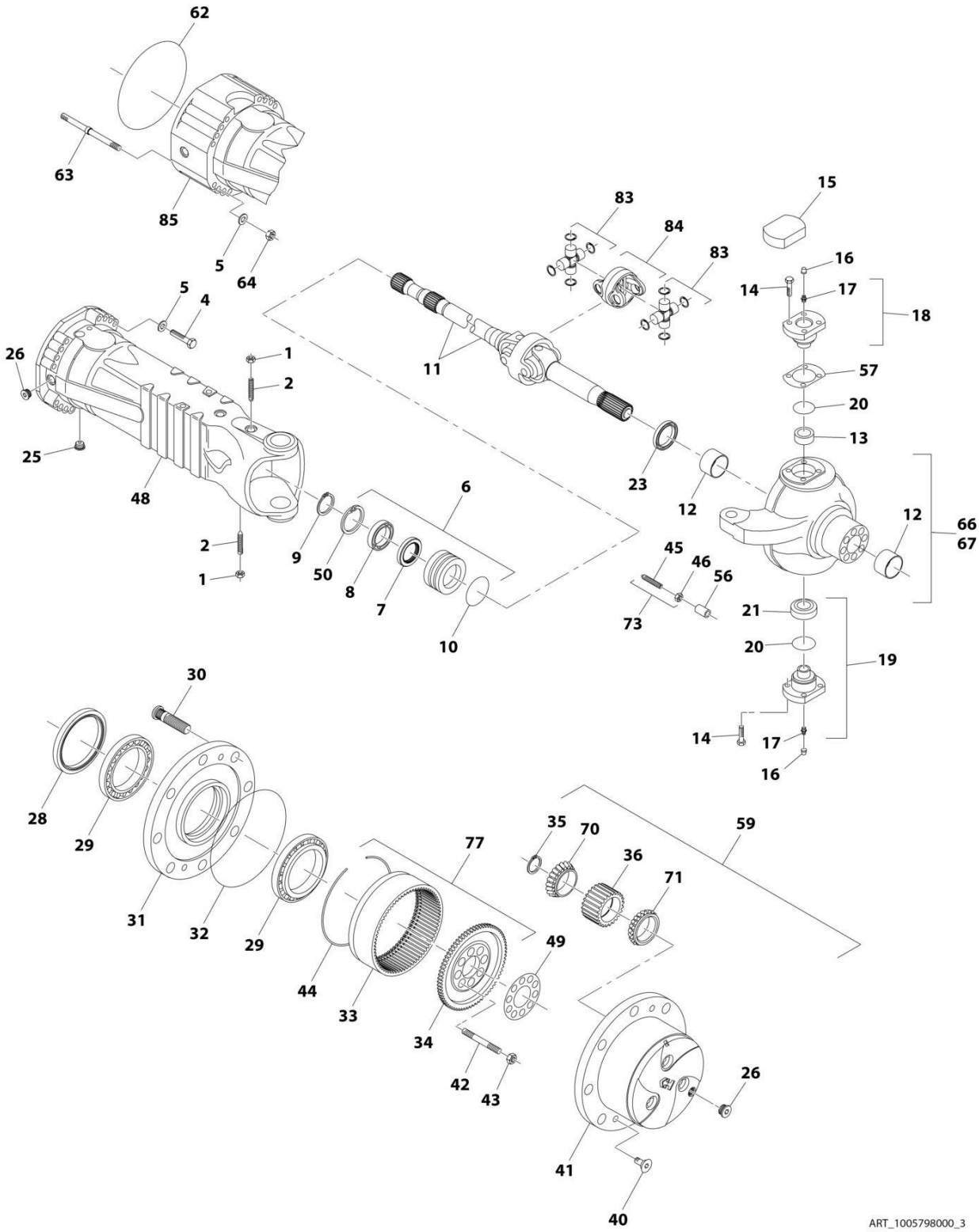


FIGURE 5-23. FRONT AXLE, HUB REDUCTION 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798000	Ref	FRONT AXLE, HUB REDUCTION	C
1	91514082	2	Nut	
2	91514081	2	Bolt	
4	70025012	24	Bolt	
5	91514084	8	Washer	
6	91514149	2	Reduction Bushing (See Separate Breakdown in this Section)	
7	91514147	2	Seal	
8	91514146	2	Ball Bearing	
9	80204071	2	Circlip	
10	91514148	2	O-Ring	
11	70026803	2	Joint & Shaft, Double Universal	
12	91514111	2	Bushing, Thrust	
13	7028714	2	Bushing	
14	70025562	24	Bolt	
15	70028392	2	Cover	
16	80204117	2	Plug	
17	70024881	4	Fitting, Grease	
18	70028890	2	Pivot Pin	
19	70028891	2	Pivot Pin	
20	7028716	4	Seal, Dust	
21	91514095	2	Bearing	
23	70026238	2	Seal	
25	7028706	4	Plug, Magnet	
26	91514188	2	Plug	
28	7028721	2	Seal	
29	91474576	4	Bearing	
30	91514183	20	Wheel Stud	
31	7028722	2	Wheel Hub	
32	91514181	2	O-Ring	
33	70026811	2	Gear, Ring	
34	70026812	2	Support, Ring Gear	
35	70028925	3	Circlip	
36	70028941	6	Differential Pinion	
40	91514189	4	Bolt, Countersunk	
41	See Note	NSS	Planet Gear Carrier (Note: Use Item 59)	
42	70027315	16	Stud	
43	91474584	16	Nut	
44	91514175	2	Circlip	
45	91514117	4	Bolt	
46	80204065	4	Nut	
48	70028942	1	Case, Axle	
49	70026622	2	Plate, Locking	
50	80204005	2	Circlip	
56	7029311	2	Spacer	
57	70025561	1	Kit, Shim	
59	70028881	2	Kit, Planet Gear (See Separate Breakdown in this Section)	
62	91474507	2	O-Ring	
63	70025014	8	Stud	
64	91514083	8	Nut	
66	70029471	1	Steering Case (LH)	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
67	70029472	1	Steering Case (RH)	
70	7028731	6	Bearing	
71	7028732	NLA	Bearing (Use/Order both PN 70031458 & 70031459 as Replacement)	
71	70031458	6	Bearing	
71	70031459	6	Bearing	
73	7028733	4	Bolt, Steering Adjust (See Separate Breakdown in this Section)	
77	70026806	2	Kit, Ring Gear Support (See Separate Breakdown in this Section)	
83	70028943	2	Cross Joint	
84	70028944	1	Center Section Joint	
85	70028945	1	Case, Axle	

FIGURE 5-24. FRONT AXLE, BRAKES 74HP (8042)

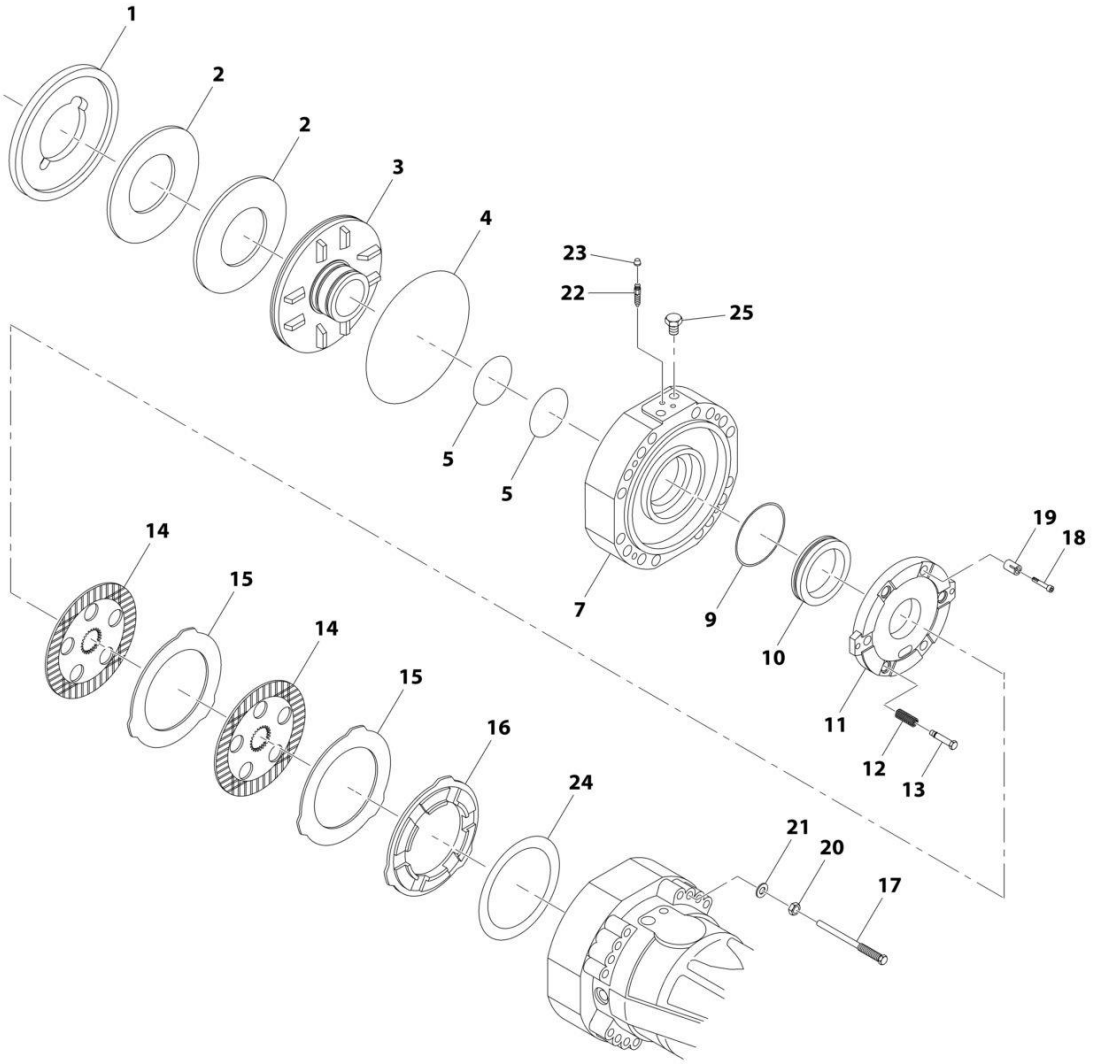


FIGURE 5-24. FRONT AXLE, BRAKES 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798000	Ref	FRONT AXLE, BRAKES	C
1	7028734	1	Spacer	
2	91474559	4	Spring	
3	91474560	2	Piston	
4	91474561	2	O-Ring	
5	70026262	4	Seal	
7	7028735	2	Cover	
9	70026623	2	Seal	
10	70028946	2	Piston	
11	91474565	2	Disc, Intermediate Brake	
12	91514159	6	Spring	
13	70024210	6	Adjusting Bolt	
14	70028798	8	Disc	
15	70025823	8	Disc, Intermediate Brake	
16	91474570	2	Spacer	
17	7028736	4	Bolt	
18	7029787	6	Adjusting Bolt	
19	70027317	6	Spring	
20	80204060	4	Nut	
21	80204108	4	Washer, Lock	
22	80204281	4	Bolt	
23	80204117	4	Plug	
24	70025981	1	Shim Kit	
25	91514154	4	Bolt	

FIGURE 5-25. FRONT AXLE, STEERING 74HP (8042)

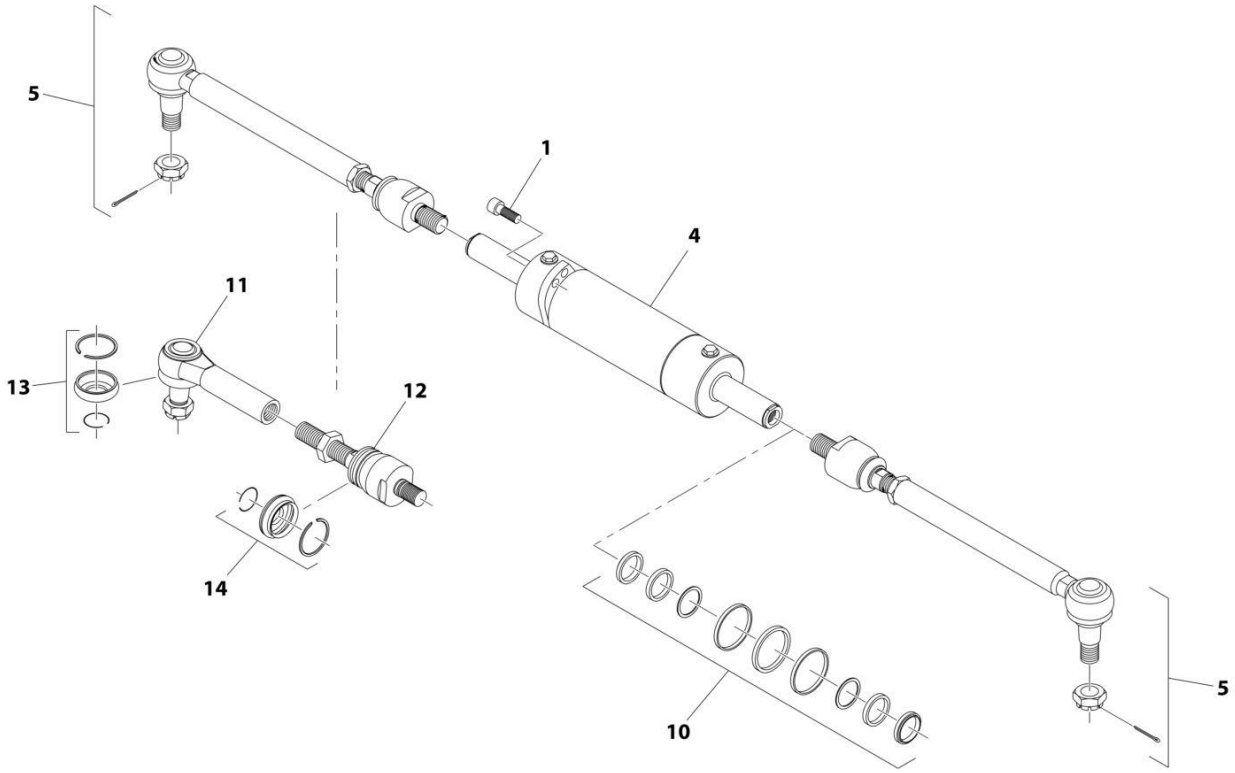


FIGURE 5-25. FRONT AXLE, STEERING 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798000	Ref	FRONT AXLE, STEERING	C
1	80204144	5	Bolt	
4	70028947	1	Cylinder	
5	70028948	2	Tie Rod	
10	7029127	1	Kit, Seal	
11	70028949	1	Joint, 90	
12	70028950	1	Axial Joint Shaft	
13	70028951	1	Rubber Boot and Locking Ring Kit	
14	70028952	1	Rubber Boot and Locking Ring Kit	

FIGURE 5-26. REAR AXLE INSTALLATION 74HP (8042)

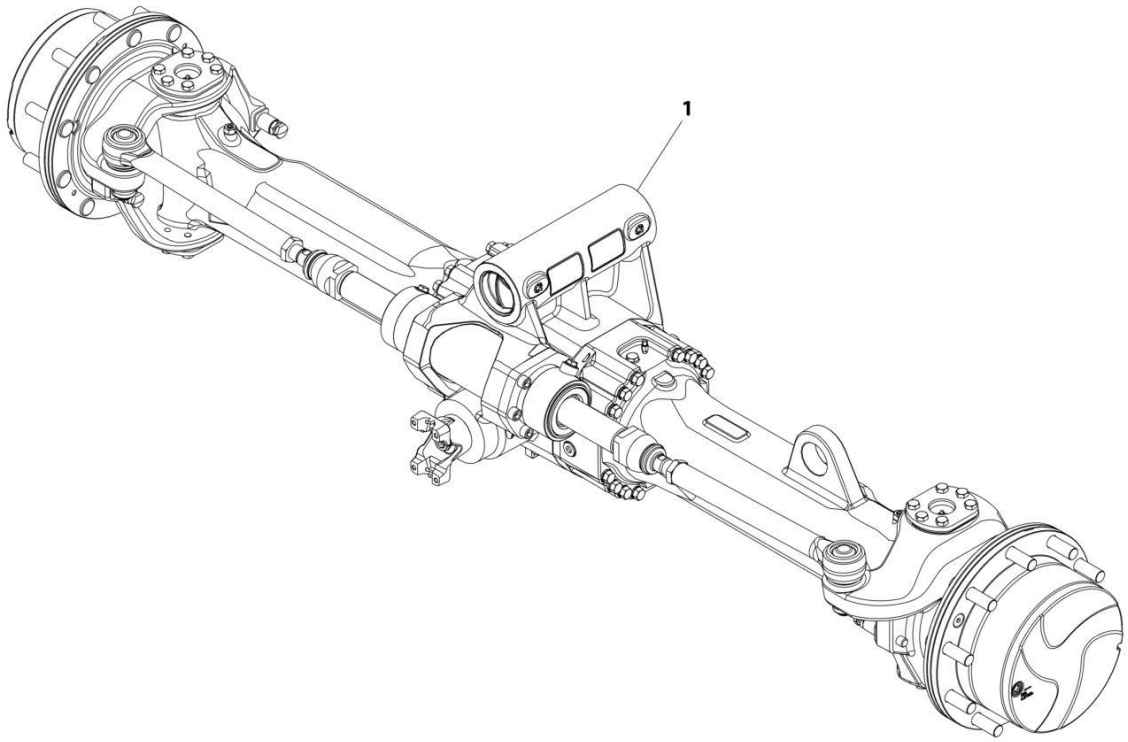


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FIGURE 5-26. REAR AXLE INSTALLATION 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798100	Ref	Rear Axle Installation 74HP	C
		Ref	Rear Axle - Central Housing (See Separate Breakdown in this Section)	
		Ref	Rear Axle - Differential (See Separate Breakdown in this Section)	
		Ref	Rear Axle - Hub Reduction (See Separate Breakdown in this Section)	
		Ref	Rear Axle - Brakes (See Separate Breakdown in this Section)	
		Ref	Rear Axle - Steering (See Separate Breakdown in this Section)	

FIGURE 5-27. REAR AXLE, CENTRAL HOUSING 74HP (8042)

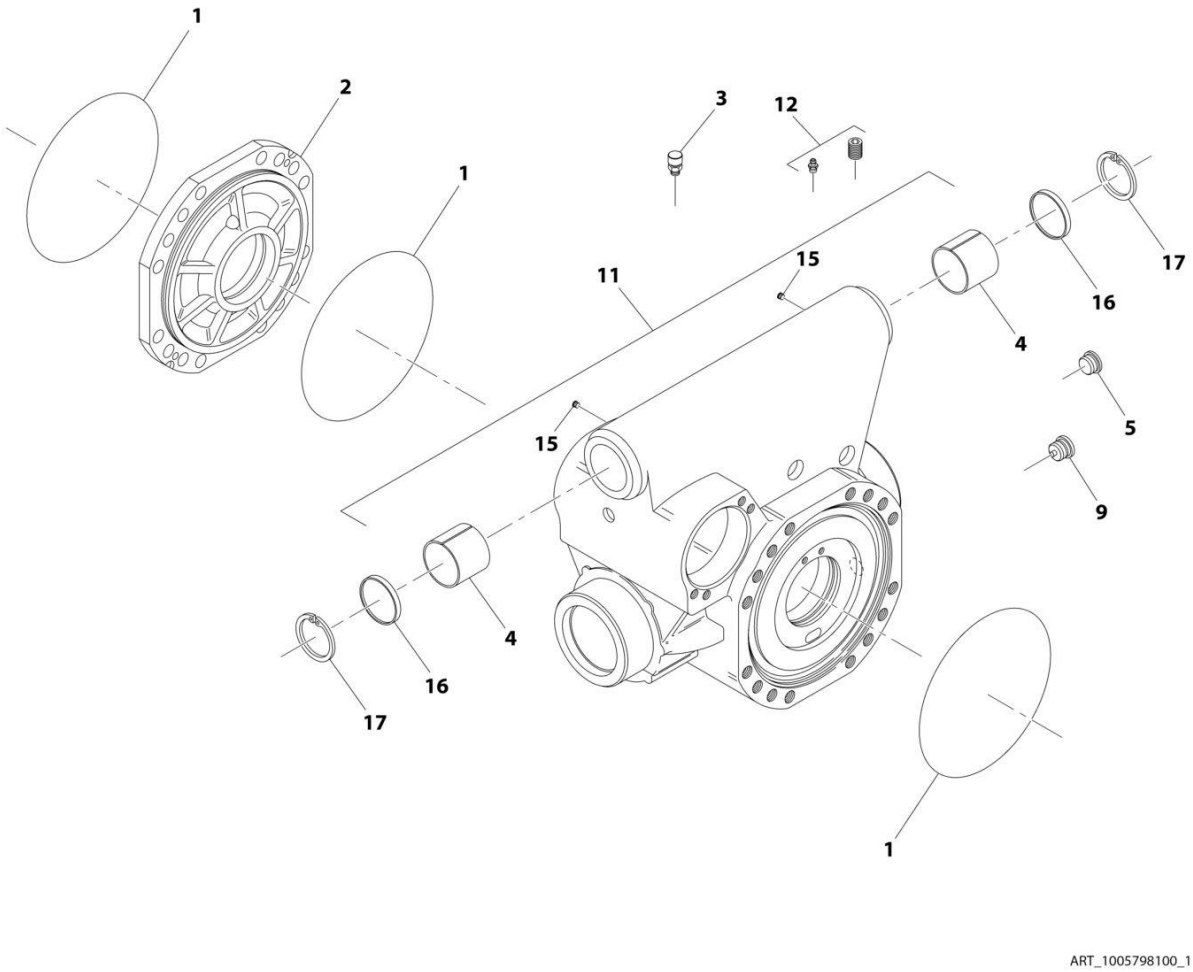

FIGURE 5-27. REAR AXLE, CENTRAL HOUSING 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798100	Ref	REAR AXLE, CENTRAL HOUSING	C
1	91474507	3	O-Ring	
2	70024519	1	Cover	
3	91474512	1	Vent	
4	70028886	2	Thrust Bushing	
5	91514188	1	Plug	
9	7028706	1	Magnet Plug	
11	N.S.S.	1	Housing	
12	70024881	2	Fitting, Grease	
15	70028938	2	Plug	
16	70028974	2	Seal	
17	70028939	2	Ring	

FIGURE 5-28. REAR AXLE, DIFFERENTIAL 74HP (8042)

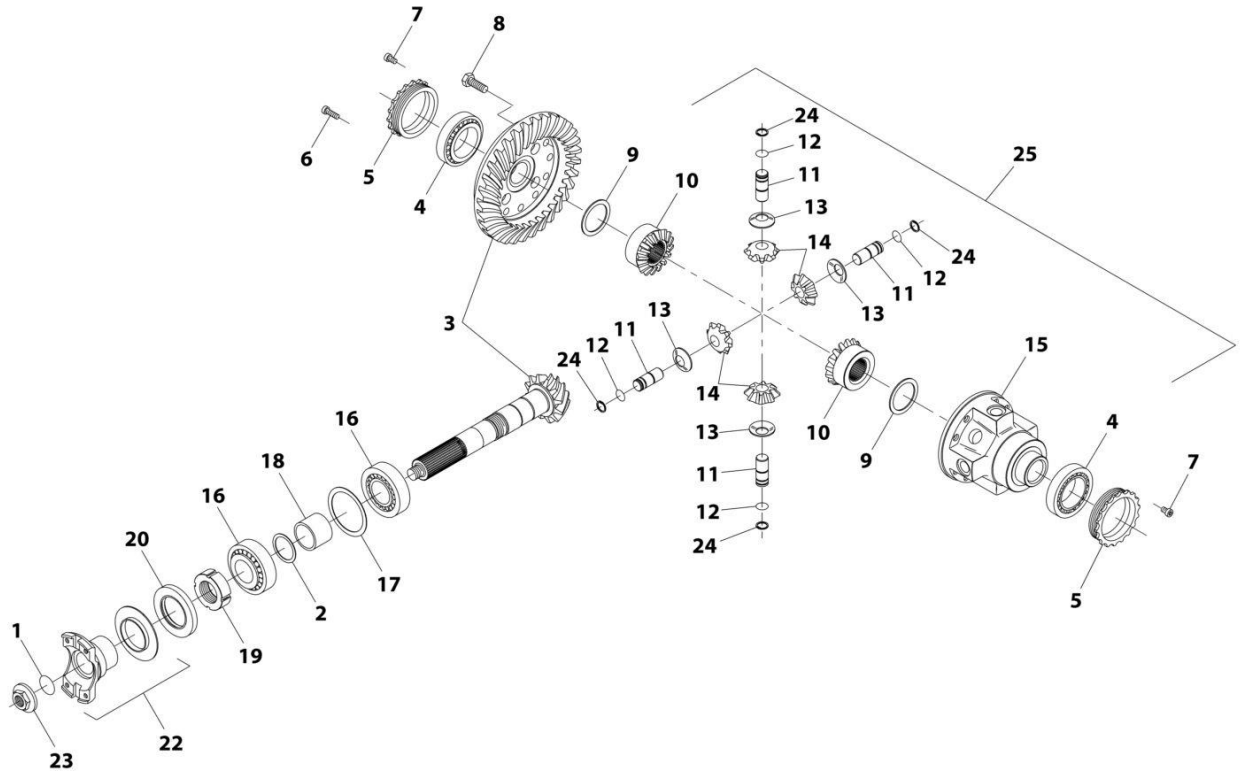

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FIGURE 5-28. REAR AXLE, DIFFERENTIAL 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798100	Ref	REAR AXLE, DIFFERENTIAL	C
1	91474529	1	O-Ring	
2	70025556	1	Shim Kit	
3	7028043	1	Bevel Gear Set	
4	70028471	2	Bearing, Taper Roller	
5	91474547	2	Nut, Ring	
6	91474591	4	Bolt	
7	91514134	2	Bolt	
8	70025562	12	Bolt	
9	91474593	2	Washer, Friction	
10	70025569	2	Gear, Differential Side	
11	7029131	4	Pin	
12	91474551	4	Circlip	
13	91474553	4	Washer, Friction	
14	70025570	4	Pinion, Differential	
15	91474595	1	Carrier, Differential	
16	3968141	2	Bearing, Taper Roller	
17	70025555	1	Shim Kit	
18	91474539	1	Spacer	
19	91474533	1	Nut, Ring	
20	70024522	1	Seal	
22	70022797	1	Flange	
23	70026631	1	Nut	
24	91474550	4	Circlip	
25	70021140	1	Kit, Differential (See Separate Breakdown in this Section)	

FIGURE 5-29. REAR AXLE, HUB REDUCTION 74HP (8042)

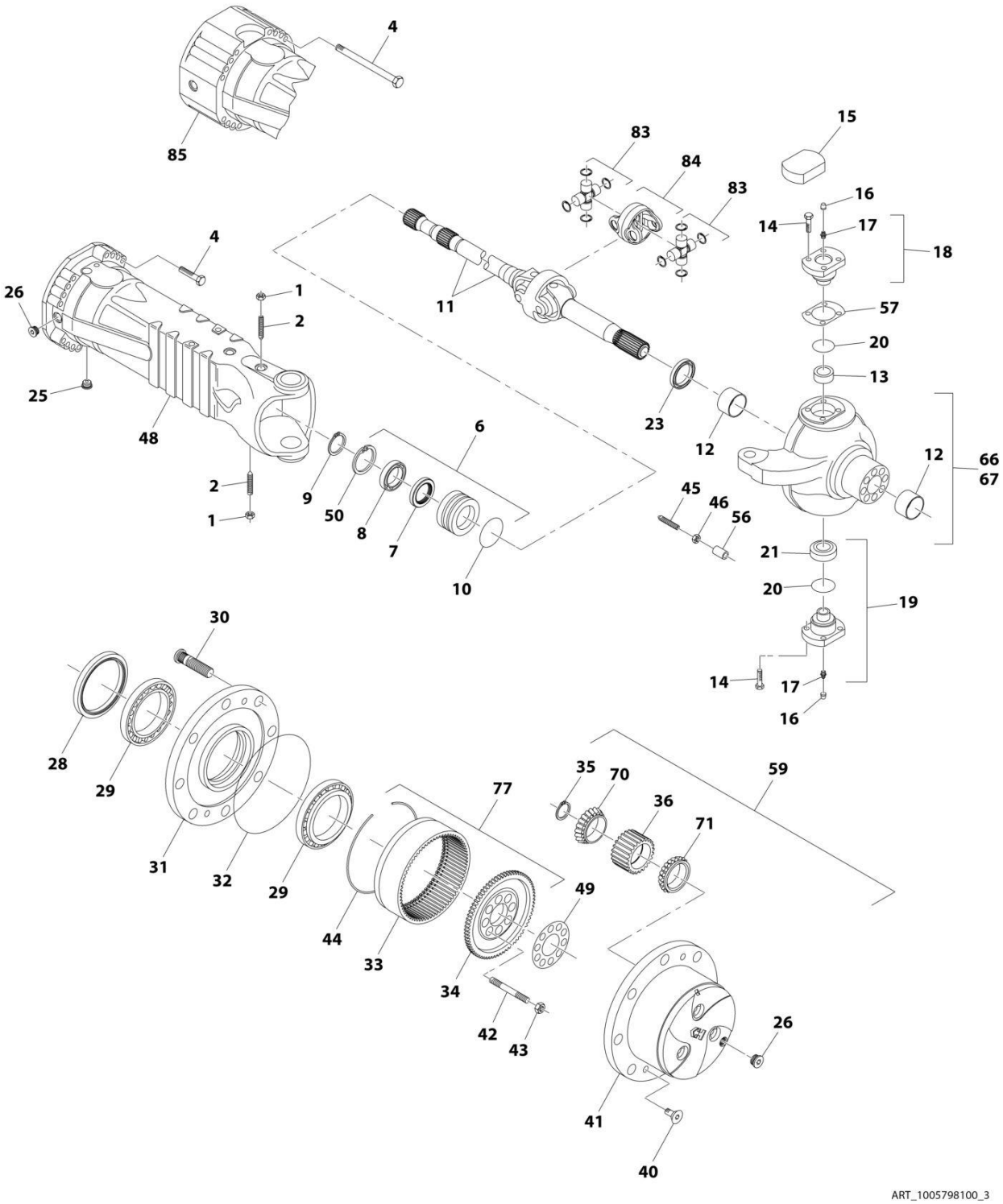

FIGURE 5-29. REAR AXLE, HUB REDUCTION 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798100	Ref	REAR AXLE, HUB REDUCTION	C
1	91514082	2	Nut	
2	91514081	2	Bolt	
4	70022799	32	Bolt	
6	91514149	2	Reduction Bushing (See Separate Breakdown in this Section)	
7	91514147	2	Seal	
8	91514146	2	Ball Bearing	
9	80204071	2	Circlip	
10	91514148	2	O-Ring	
11	70026803	2	Joint & Shaft, Double Universal	
12	91514111	2	Bushing, Thrust	
13	7028714	2	Bushing	
14	70025562	24	Bolt	
15	70028392	2	Cover	
16	80204117	2	Plug	
17	70024881	4	Fitting, Grease	
18	70028890	2	Pivot Pin	
19	70028891	2	Pivot Pin	
20	7028716	4	Seal, Dust	
21	91514095	2	Bearing	
23	70026238	2	Seal	
25	7028706	4	Plug, Magnet	
26	91514188	2	Plug	
28	7028721	2	Seal	
29	91474576	4	Bearing	
30	91514183	20	Wheel Stud	
31	7028722	2	Wheel Hub	
32	91514181	2	O-Ring	
33	70026811	2	Gear, Ring	
34	70026812	2	Support, Ring Gear	
35	70028925	3	Circlip	
36	70028941	6	Differential Pinion	
40	91514189	4	Bolt, Countersunk	
41	See Note	1	Planet Gear Carrier (Note: Use Item 59)	
42	70027315	16	Stud	
43	91474584	16	Nut	
44	91514175	2	Circlip	
45	70028975	4	Bolt	
46	80204065	4	Nut	
48	70028976	1	Case, Axle	
49	70026622	2	Plate, Locking	
50	80204005	2	Circlip	
56	7029311	2	Spacer	
57	70025561	1	Kit, Shim	
59	70028881	2	Kit, Planet Gear (See Separate Breakdown in this Section)	
66	70029471	1	Steering Case (LH)	
67	70029472	1	Steering Case (RH)	
70	7028731	6	Bearing	
71	7028732	6	Bearing	
77	70026806	2	Kit, Ring Gear Support (See Separate Breakdown in this Section)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
83	70028943	2	Cross Joint	
84	70028944	1	Center Section Joint	
85	70028977	1	Case, Axle	

FIGURE 5-30. REAR AXLE, BRAKES 74HP (8042)

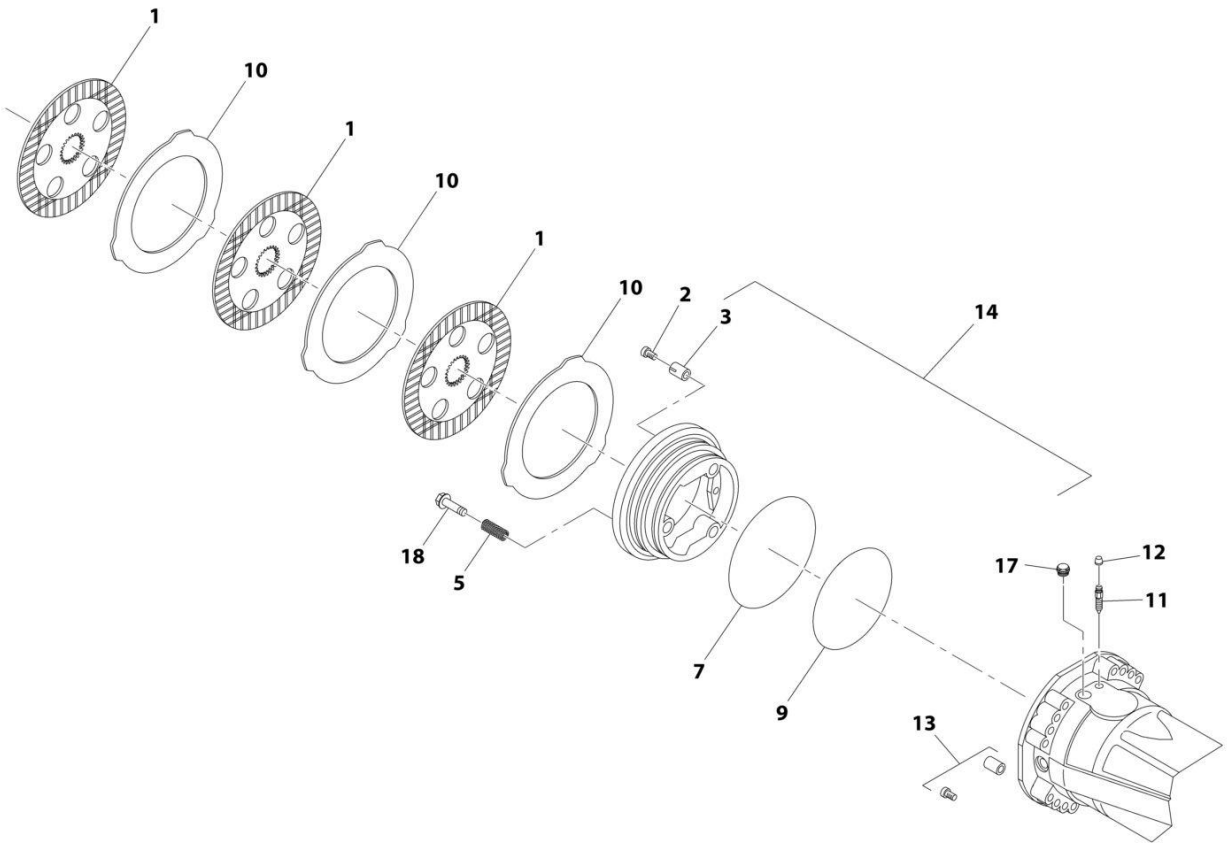

FIGURE 5-30. REAR AXLE, BRAKES 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798100	Ref	REAR AXLES, BRAKES	C
1	70028798	8	Disc	
2	7029785	6	Adjusting Bolt	
3	70027317	6	Spring	
5	91514159	6	Spring	
7	70025821	2	O-Ring	
9	70025822	2	O-Ring	
10	70025823	10	Disc, Intermediate Brake	
11	80204281	2	Bolt, Bleeding	
12	80204117	2	Plug	
13	70021613	2	Bolt	
14	70028452	1	Piston Kit (Includes Piston & Seals)	
17	91514154	2	Bolt	
18	70024210	6	Bolt	

FIGURE 5-31. REAR AXLE, STEERING 74HP (8042)

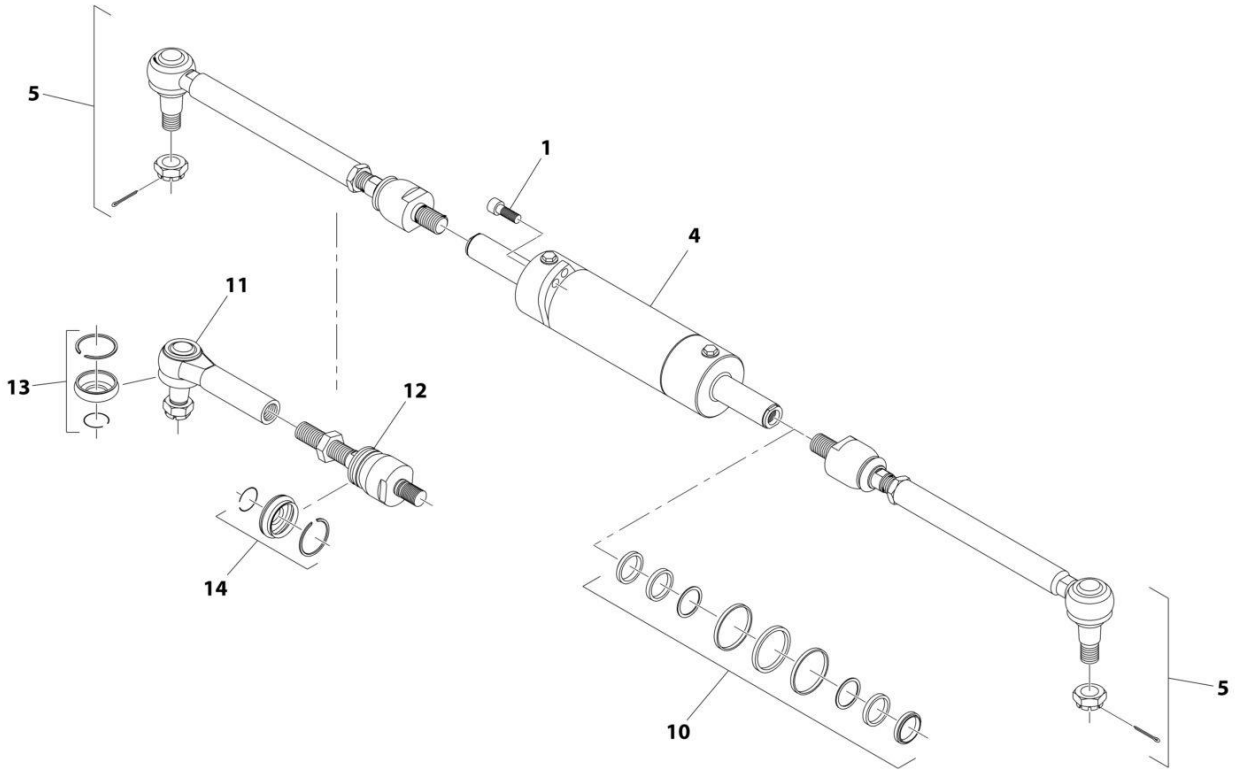

FIGURE 5-31. REAR AXLE, STEERING 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005798100	Ref	REAR AXLE, STEERING	C
1	80204144	5	Bolt	
4	70028947	1	Cylinder	
5	70028948	2	Tie Rod	
10	7029127	1	Kit, Seal	
11	70028949	1	Joint, 90	
12	70028950	1	Axial Joint Shaft	
13	70028951	1	Rubber Boot and Locking Ring Kit	
14	70028952	1	Rubber Boot and Locking Ring Kit	

FIGURE 5-32. REAR AXLE, REDUCTION BUSHING 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	91514149	Ref	Reduction Bushing Kit 74HP	
1	80204005	1	Circlip	
2	91514146	1	Bearing, Ball	
3	91514147	1	Seal	
4	91514148	1	O-Ring	

FIGURE 5-33. REAR AXLE, PLANET GEAR CARRIER 74HP (8042)

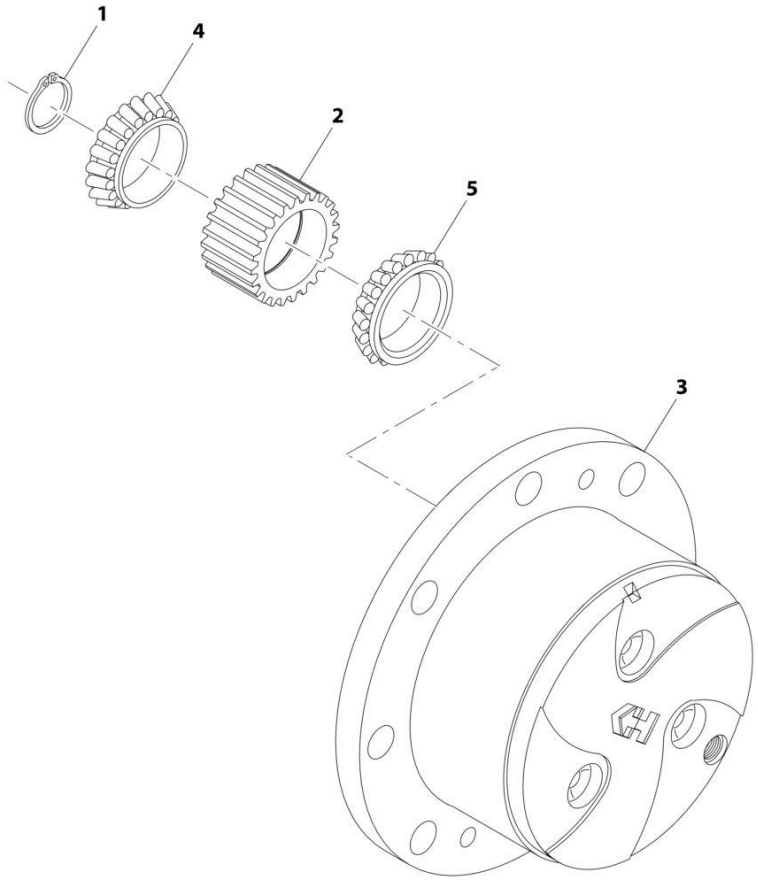

FIGURE 5-33. REAR AXLE, PLANET GEAR CARRIER 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70028881	Ref	KIT, PLANET GEAR CARRIER 74HP	
1	70028925	3	CIRCLIP	
2	70028941	6	DIFFERENTIAL PINION	
3	N.S.S.	1	CARRIER, PLANET GEAR	
4	7028731	6	BEARING	
5	7028732	6	BEARING	

FIGURE 5-34. REAR AXLE, RING GEAR SUPPORT 74HP (8042)

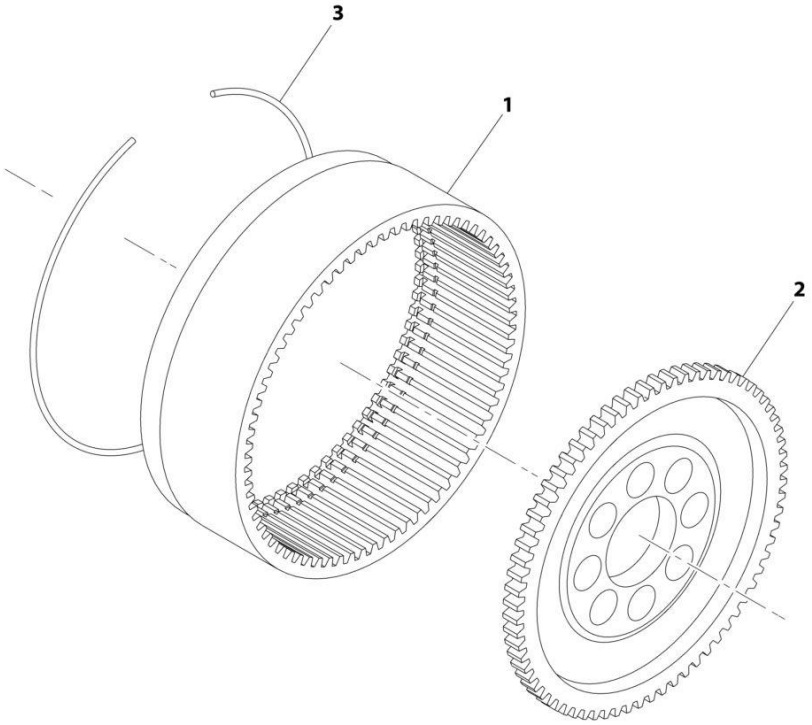

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FIGURE 5-34. REAR AXLE, RING GEAR SUPPORT 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70026806	Ref	KIT, RING GEAR SUPPORT 74HP	
1	70026811	1	GEAR, RING	
2	70026812	1	SUPPORT, RING GEAR	
3	91514175	1	CIRCLIP	

FIGURE 5-35. REAR AXLE, DIFFERENTIAL KIT 74HP (8042)

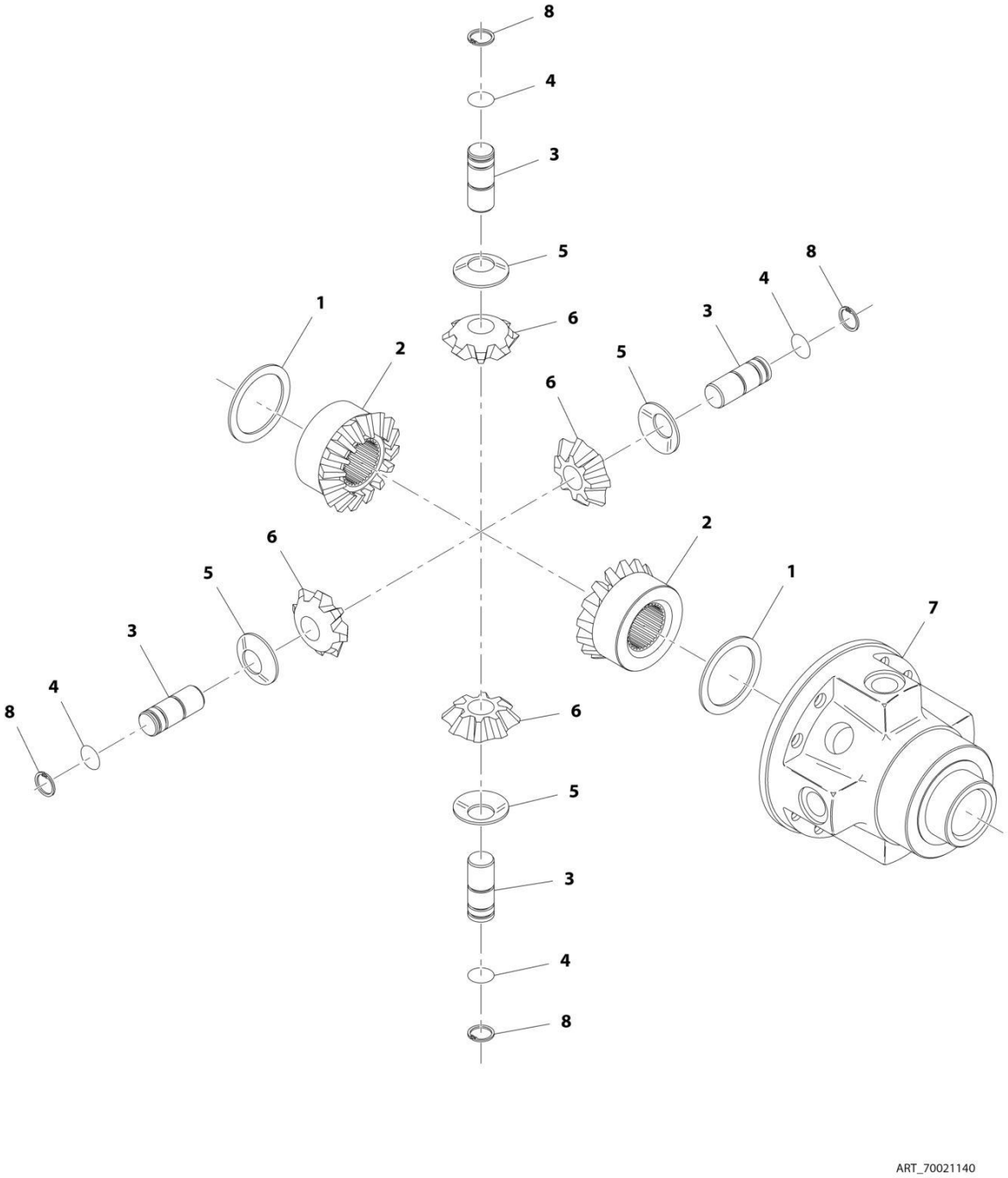

FIGURE 5-35. REAR AXLE, DIFFERENTIAL KIT 74HP (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70021140	Ref	DIFFERENTIAL KIT 74HP	
1	91474593	2	WASHER, FRICTION	
2	70025569	2	GEAR, DIFFERENTIAL SIDE	
3	7029131	4	PIN	
4	91474551	4	CIRCLIP	
5	91474553	4	WASHER, FRICTION	
6	70025570	4	PINION, DIFFERENTIAL	
7	91474595	1	CARRIER, DIFFERENTIAL	
8	91474550	4	CIRCLIP	

FIGURE 5-36. REAR AXLE

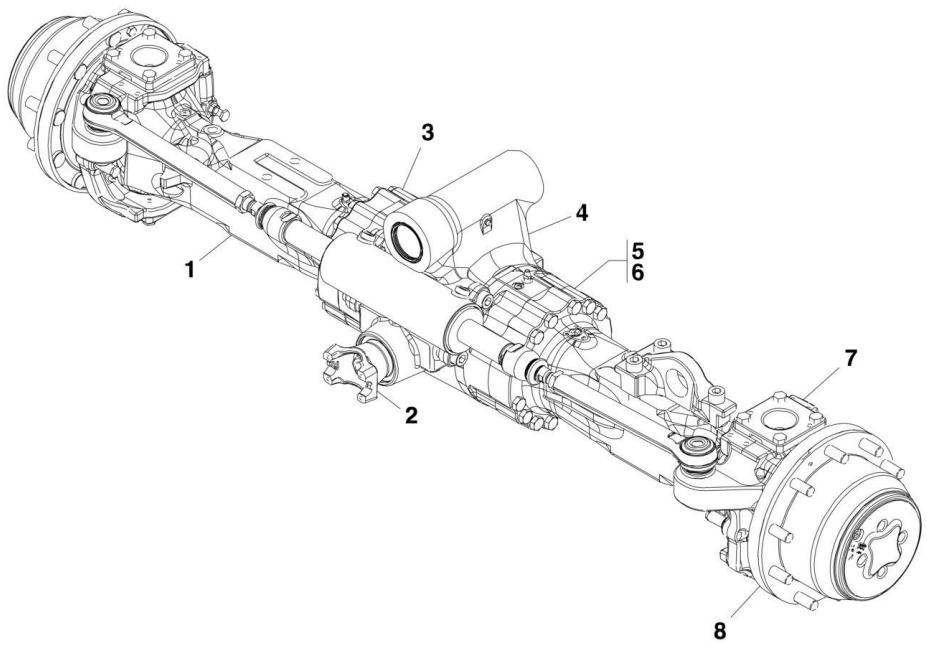

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FIGURE 5-36. REAR AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001116838	1	REAR AXLE (includes all items) (8042)	F
1	1001103633	1	REAR AXLE (includes all items) (10042,10054)	G
2		Ref	INPUT, (See REAR AXLE - INPUT for Breakdown)	
3		Ref	DIFFERENTIAL, (See REAR AXLE - DIFFERENTIAL for Breakdown)	
4		Ref	AXLE CASING, (See REAR AXLE - AXLE CASING for Breakdown)	
5		Ref	M-DISC BRAKE, (See REAR AXLE - M-DISC BRAKE for Breakdown)	
6		Ref	JOINT HOUSING, (See REAR AXLE - JOINT HOUSING for Breakdown)	
7		Ref	PLANETARY DRIVE, (See REAR AXLE - PLANETARY DRIVE for Breakdown)	

FIGURE 5-37. REAR AXLE - INPUT

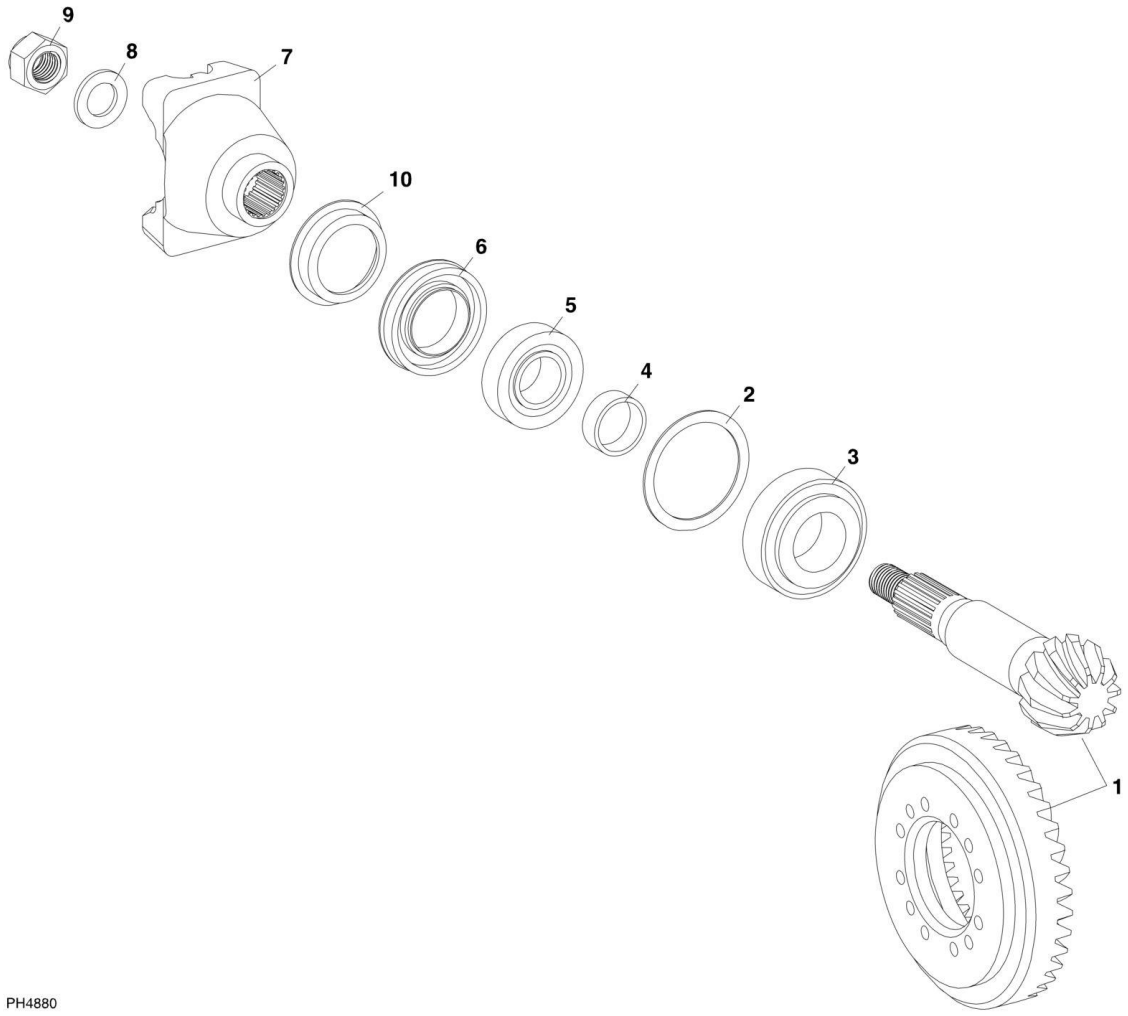


FIGURE 5-37. REAR AXLE - INPUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**REAR AXLE - INPUT**	
	1001116838	Ref	REAR AXLE - INPUT (8042)	
	1001103633	Ref	REAR AXLE - INPUT (10042,10054)	
1	70022786	1	BEVEL GEAR SET (8042)	
1	70022787	1	PINION (8042)	
1	70022280	1	BEVEL GEAR SET (10042,10054)	
2	80304160	1	SHIM, 0.1	
2	80304159	1	SHIM, 0.2	
2	80304158	1	SHIM, 0.3	
2	80304157	1	SHIM, 0.5	
2	80304156	1	SHIM, 0.6	
2	80304162	1	SHIM, 0.65	
2	80304155	1	SHIM, 0.7	
2	80304161	1	SHIM, 0.75	
2	80304154	1	SHIM, 0.8	
2	80304153	1	SHIM, 0.9	
2	80304152	1	SHIM, 1.0	
2	80304146	1	SHIM, 1.2	
2	80304163	1	SHIM, 1.25	
2	80304151	1	SHIM, 1.3	
2	80304164	1	SHIM, 1.35	
2	80304150	1	SHIM, 1.4	
2	80304165	1	SHIM, 1.45	
2	80304145	1	SHIM, 1.5	
2	80304166	1	SHIM, 1.55	
2	80304149	1	SHIM, 1.6	
2	80304167	1	SHIM, 1.65	
2	80304148	1	SHIM, 1.7	
2	80304168	1	SHIM, 1.75	
2	80304144	1	SHIM, 1.8	
2	80304169	1	SHIM, 1.85	
2	80304147	1	SHIM, 1.9	
2	80304143	1	SHIM, 2.0	
3	70023400	1	TAPERED ROLLER BEARING (8042)	
3	70022231	1	TAPERED ROLLER BEARING (10042,10054)	
4	80304088	1	RING, 16.0	
4	80304089	1	RING, 16.1	
4	80304090	1	RING, 16.2	
4	80304091	1	RING, 16.3	
4	80304092	1	RING, 16.4	
4	80304093	1	RING, 16.5	
4	80304110	1	RING, 16.56	
4	80304094	1	RING, 16.6	
4	80304111	1	RING, 16.62	
4	80304112	1	RING, 16.64	
4	80304124	1	RING, 16.66	
4	80304113	1	RING, 16.68	
4	80304095	1	RING, 16.7	
4	70022216	1	RING, 16.72	
4	80304115	1	RING, 16.74	

SECTION 5 - DRIVE TRAIN

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

FIGURE 5-38. REAR AXLE - DIFFERENTIAL

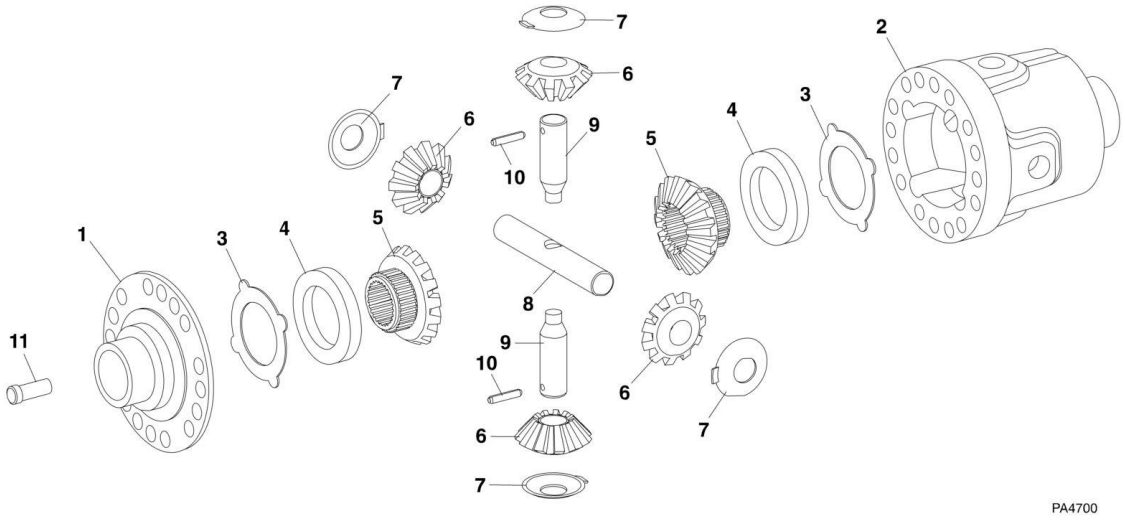


FIGURE 5-38. REAR AXLE - DIFFERENTIAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**REAR AXLE - DIFFERENTIAL**	
	1001116838	Ref	REAR AXLE - DIFFERENTIAL (8042)	
	1001103633	Ref	REAR AXLE - DIFFERENTIAL (10042,10054)	
1	70022229	1	COVER	
2	70023910	1	DIFFERENTIAL CASE	
3	70022284	2	THRUST WASHER	
4	70023401	2	COMPENSATING RING (8042)	
4	70022285	2	COMPENSATING RING (10042,10054)	
5	70023402	2	AXLE BEVEL GEAR (8042)	
5	70022225	2	AXLE BEVEL GEAR (10042,10054)	
6	70023403	4	DIFFERENTIAL BEVEL GEAR (8042)	
6	70022185	4	DIFFERENTIAL BEVEL GEAR (10042,10054)	
7	70022262	4	THRUST WASHER	
8	70022227	1	DIFFERENTIAL AXLE	
9	70022228	2	DIFFERENTIAL AXLE	
10	70023904	2	SLOT PIN	
11	70022211	16	CAPSCREW	

FIGURE 5-39. REAR AXLE - AXLE CASING

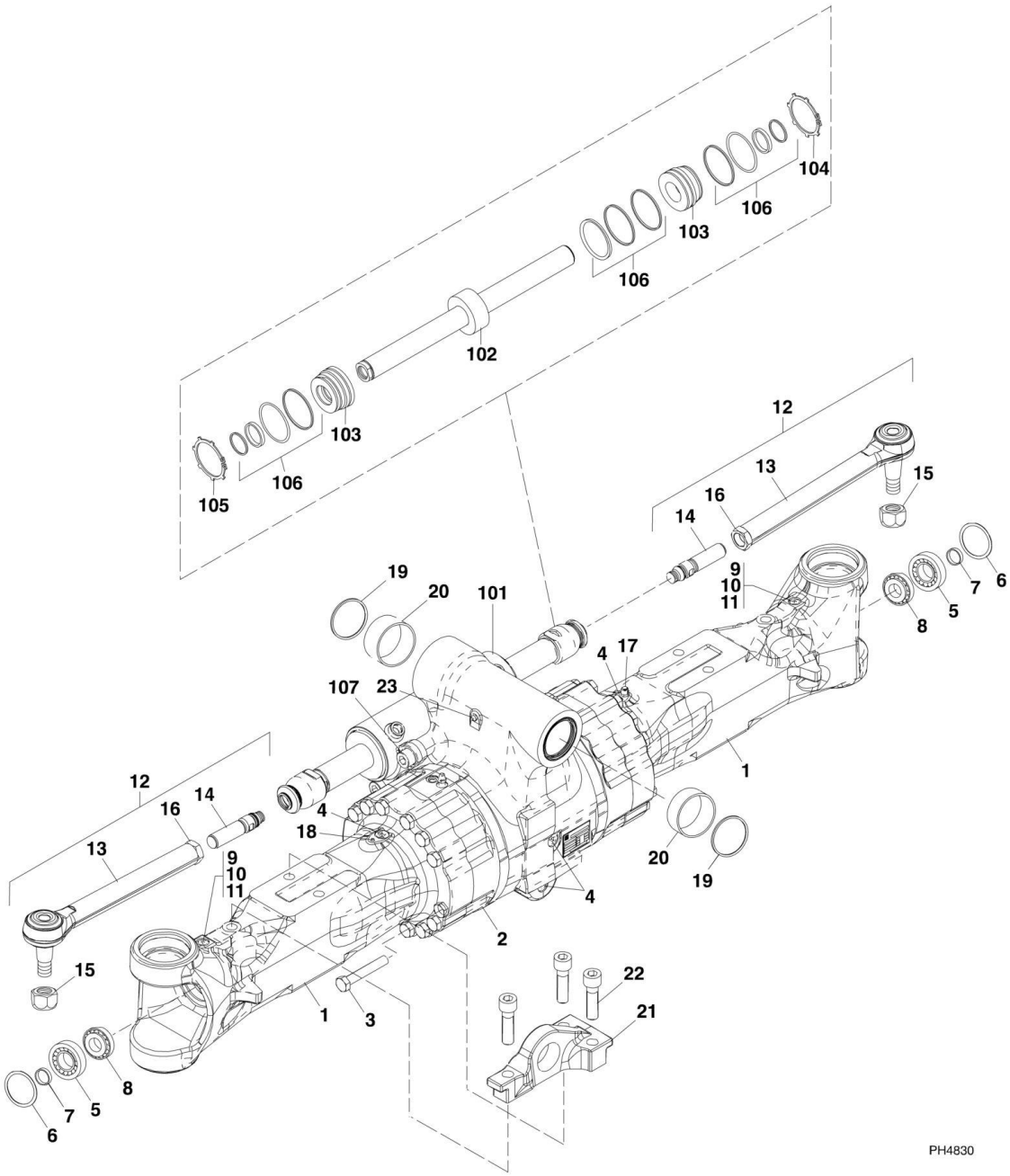


FIGURE 5-39. REAR AXLE - AXLE CASING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**REAR AXLE - AXLE CASING**	
	1001116838	Ref	REAR AXLE - AXLE CASING (8042)	
	1001103633	Ref	REAR AXLE - AXLE CASING (10042,10054)	
1	70022255	2	AXLE CASING	
2	70022277	1	AXLE DRIVE HOUSING	
3	70022206	28	HEX HD CAPSCREW, M18X180	
4	70023404	4	SCREW PLUG (8042)	
4	1319578	4	SCREW PLUG (10042,10054)	
5	70022241	2	BUSHING	
6	70022204	2	O-RING	
7	70022217	2	SHAFT SEAL	
8	10731790	2	BEARING	
9	70022201	2	SET SCREW, M10X16	
10	70022777	2	SCREW PLUG (8042)	
10	1319666	2	SCREW PLUG (10042,10054)	
11	7027217	2	O-RING	
12	70022174	2	TIE ROD, (includes items 13 thru 16)	
13	70022175	1	BALL JOINT	
14	70022172	1	AXIAL JOINT	
15	8036758	1	LOCKNUT	
16	8036759	1	HEX NUT	
17	1319436	1	BREATHER	
18	8036418	1	SCREW PLUG	
19	1321209	2	SHAFT SEAL	
20	1321234	2	BUSHING	
21	70022254	1	BRACKET	
22	1001103619	3	HEX HD CAPSCREW, M22X80	
23	1319423	1	GREASE FITTING	
101	70022173	1	STEERING CYLINDER, (includes items 102 thru 106)	
102	70022177	1	PISTON ROD	
103	70022184	2	BREAK HEAD	
104	70022181	2	RETAINING RING	
105	70022180	2	RETAINING RING	
106	70022178	1	SEAL KIT	
107	70022789	4	CAPSCREW, M22X55 (8042)	
107	70022210	4	CAPSCREW, M22X55 (10042,10054)	

FIGURE 5-40. REAR AXLE - M-DISC BRAKE

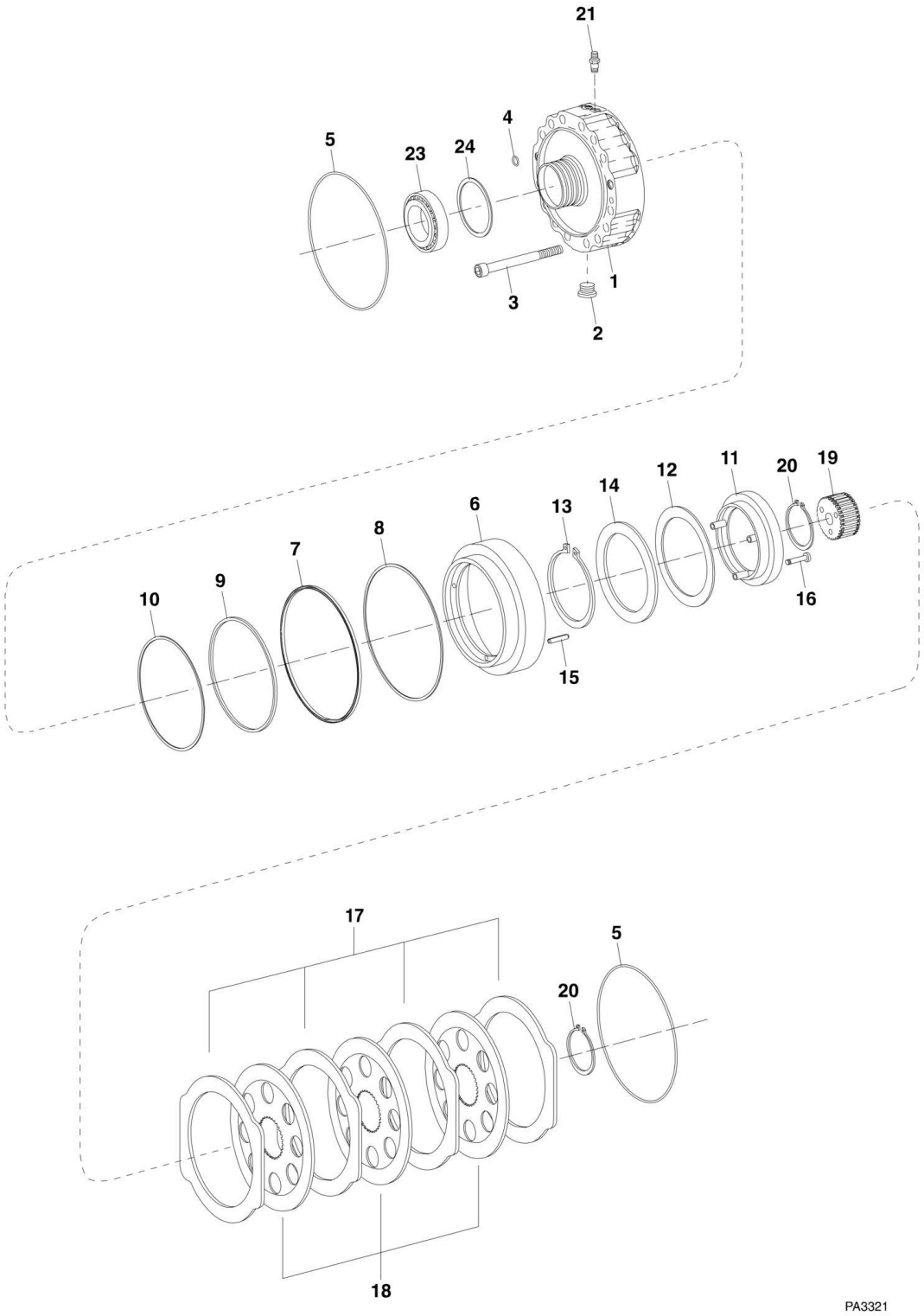


FIGURE 5-40. REAR AXLE - M-DISC BRAKE

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

FIGURE 5-41. REAR AXLE - JOINT HOUSING

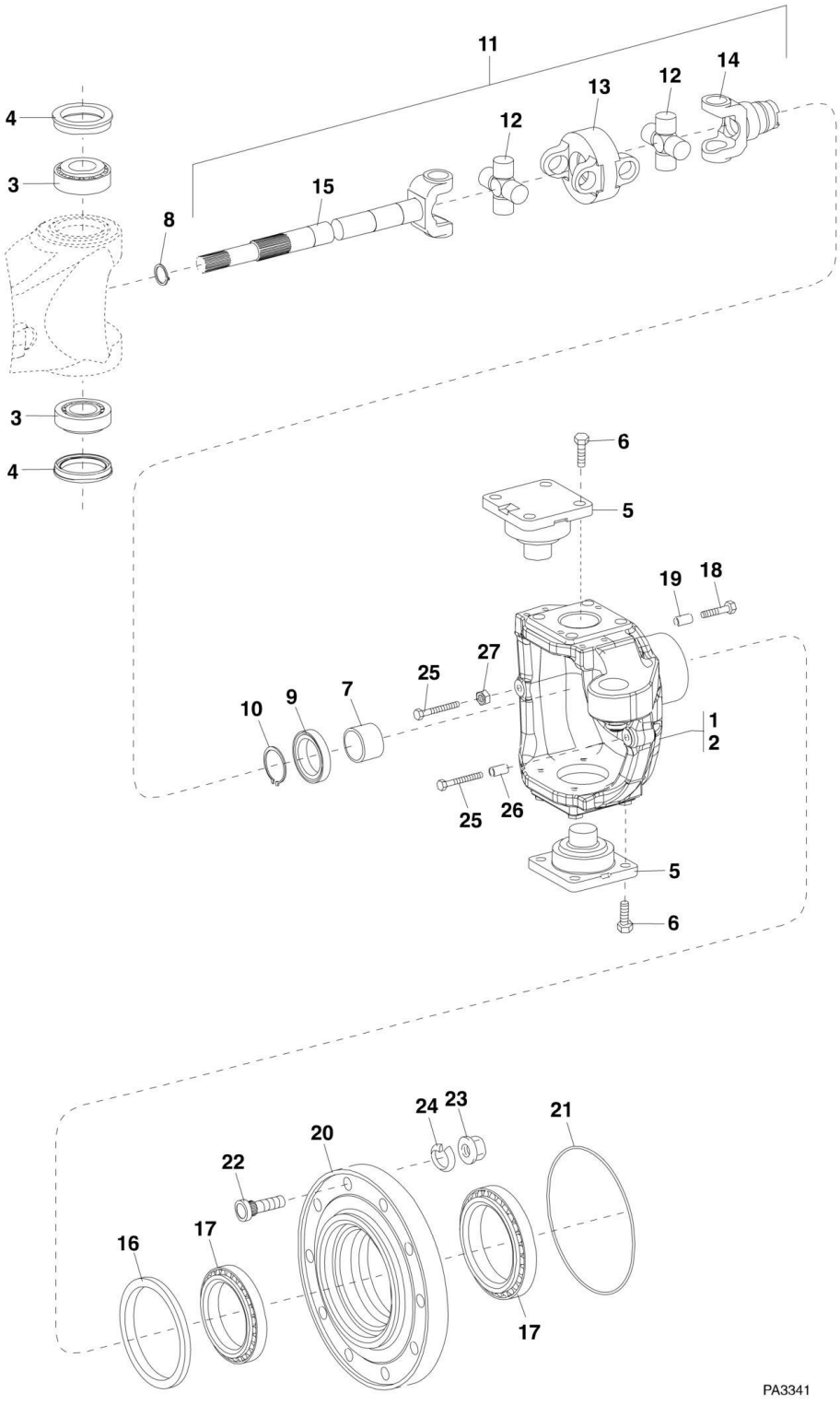


FIGURE 5-41. REAR AXLE - JOINT HOUSING

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

FIGURE 5-42. REAR AXLE - PLANETARY DRIVE

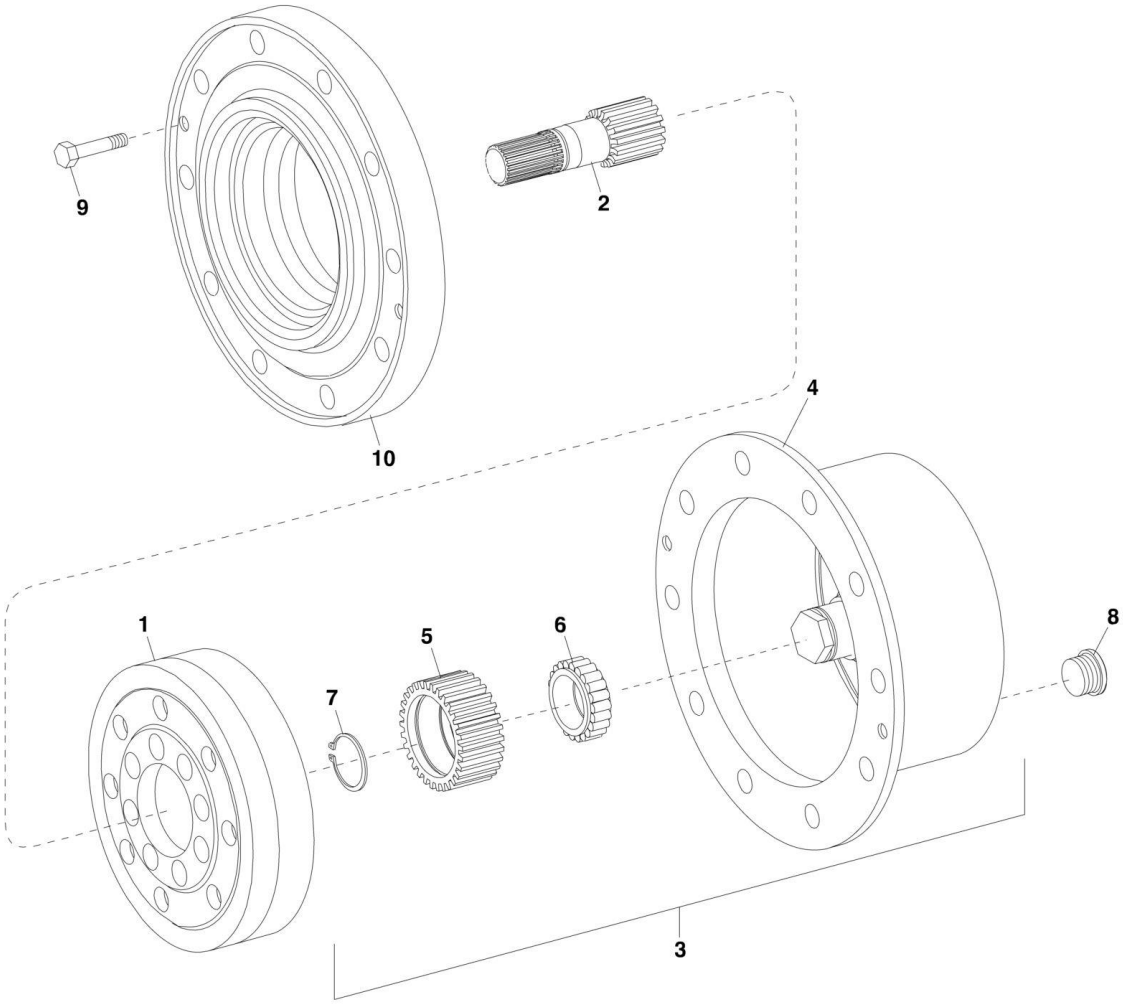
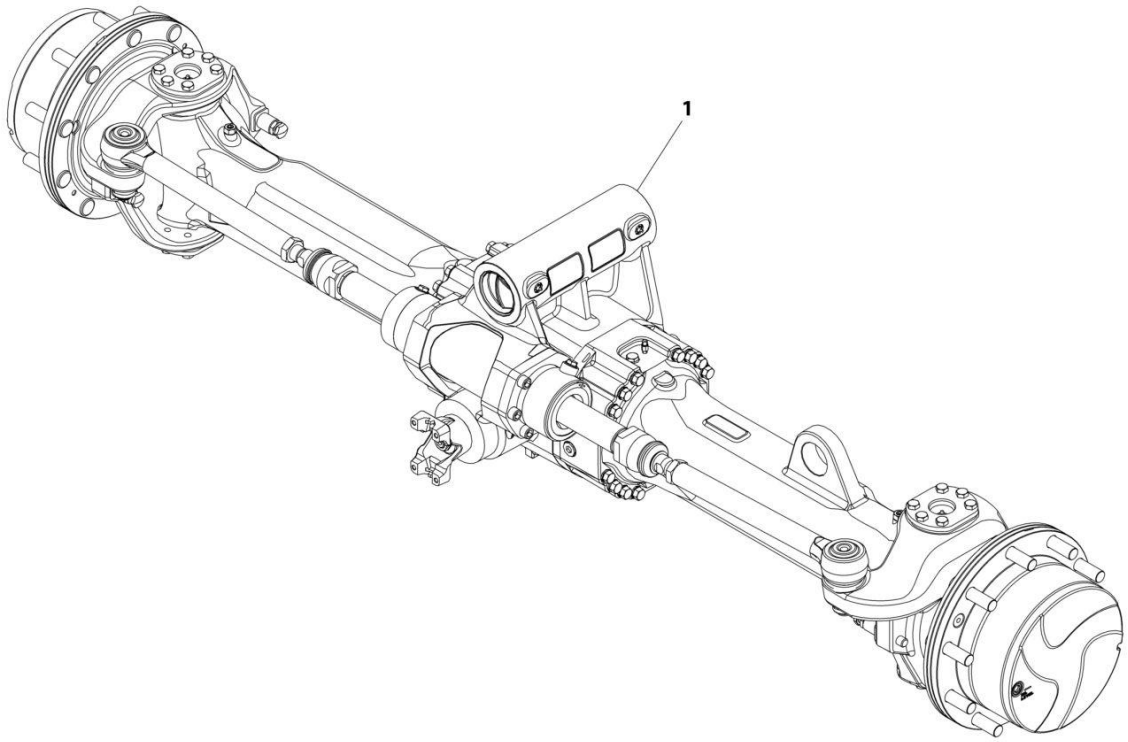


FIGURE 5-42. REAR AXLE - PLANETARY DRIVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**REAR AXLE - PLANETARY DRIVE**	
	1001116838	Ref	REAR AXLE - PLANETARY DRIVE (8042)	
	1001103633	Ref	REAR AXLE - PLANETARY DRIVE (10042,10054)	
1	70022242	1	RING GEAR	
2	70022784	2	SUN GEAR SHAFT (8042)	
2	70022239	2	SUN GEAR SHAFT (10042,10054)	
3	70022281	2	PLANETARY CARRIER ASSY, (includes items 4 thru 7)	
4	70022283	1	PLANETARY CARRIER	
5	70022243	4	PLANETARY GEAR	
6	70022785	4	CYL ROLLER BEARING (8042)	
6	70022221	4	CYL ROLLER BEARING (10042,10054)	
7	70022197	4	RETAINING RING	
8	70023404	2	SCREW PLUG (8042)	
8	1319578	2	SCREW PLUG (10042,10054)	
9	70022207	4	HEX SCREW, M12X30	
10		Ref	HUB, (See REAR AXLE - PLANETARY DRIVE for Breakdown)	

FIGURE 5-43. REAR AXLE(110HP) (ULS) (8042)



ART_1001220493-D

FIGURE 5-43. REAR AXLE(110HP) (ULS) (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220493	Ref	Rear Axle (110HP) (ULS)	D
		Ref	Rear Axle, Central Housing (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Differential (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Hub Reduction (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Brakes (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Steering (See Separate Breakdown in this Section)	

FIGURE 5-44. CENTRAL HOUSING, REAR AXLE (110HP) (ULS) (8042)

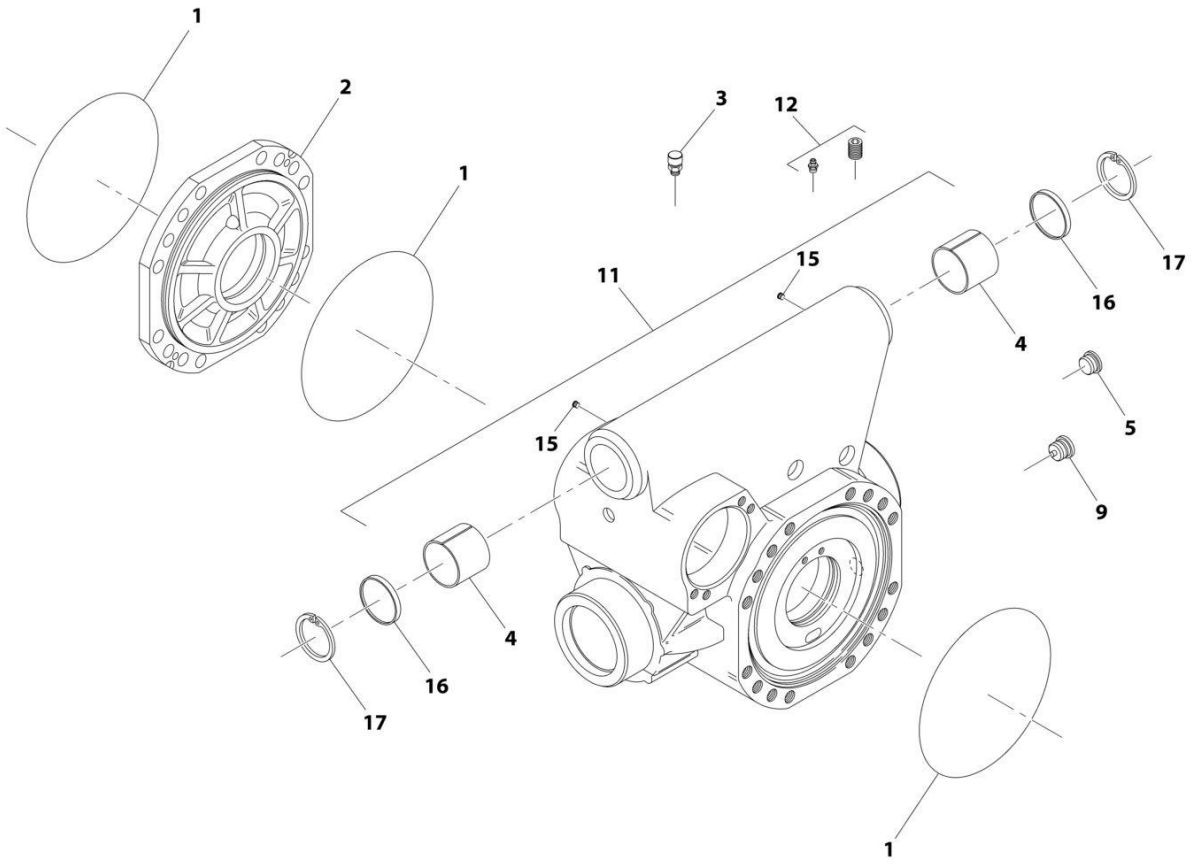
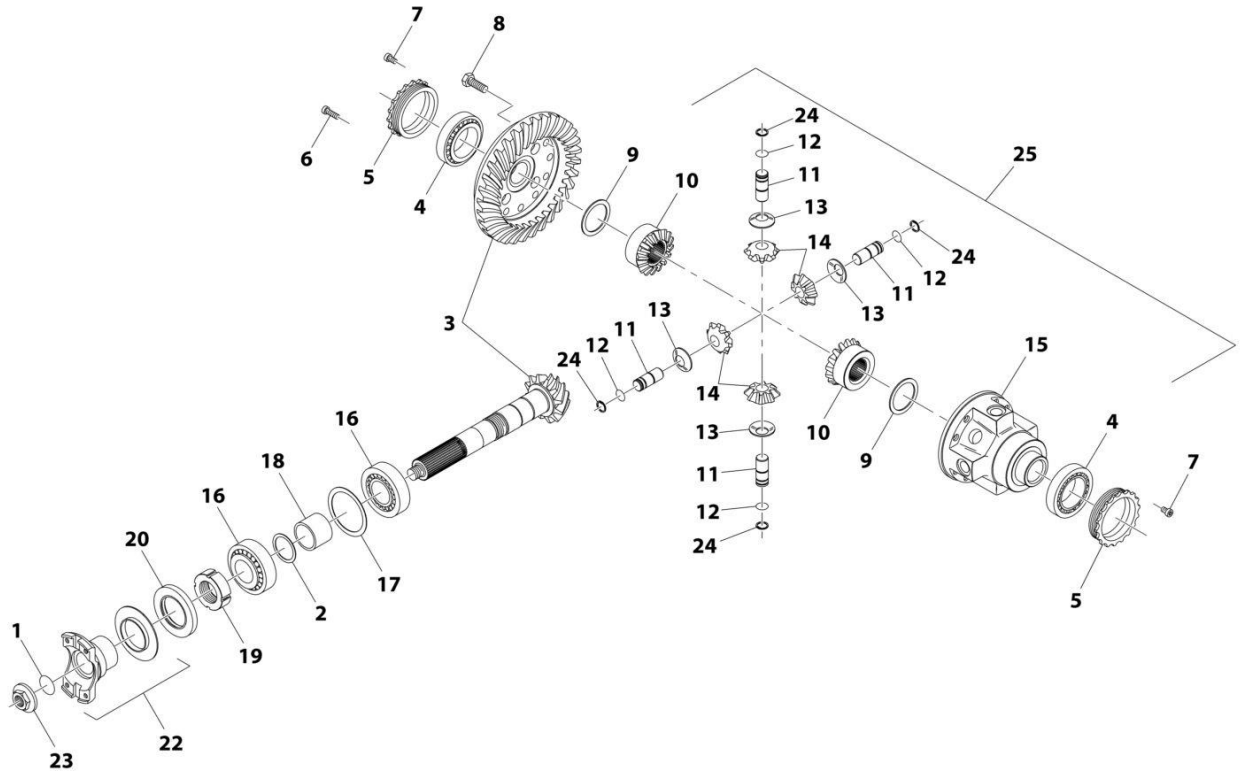


FIGURE 5-44. CENTRAL HOUSING, REAR AXLE (110HP) (ULS) (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220493	Ref	REAR AXLE, CENTRAL HOUSING	D
1	91474507	3	O-Ring	
2	70024519	1	Cover	
3	91474512	1	Plug	
4	70028886	2	Thrust Bushing	
5	91514188	1	Plug With Seal Washer	
9	7028706	1	Magnetic Plug	
11	N.S.S.	1	Housing	
12	70024881	2	Grease Fitting	
15	70028938	2	Plug	
16	70028974	2	Seal	
17	70028939	2	Ring	

FIGURE 5-45. DIFFERENTIAL, REAR AXLE (110HP) (ULS) (8042)



ART_1001220493_2

FIGURE 5-45. DIFFERENTIAL, REAR AXLE (110HP) (ULS) (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220493	Ref	REAR AXLE, DIFFERENTIAL	D
1	91474529	1	O-Ring	
2	70025556	1	Shim Kit	
3	70028997	1	Bevel Gear Set	
4	70028471	2	Tapered Roller Bearing	
5	91474547	2	Ring Nut	
6	91474591	4	Bolt	
7	91514134	2	Bolt	
8	70025562	12	Bolt	
9	91474593	2	Friction Washer	
10	70025569	2	Differential Side Gear	
11	7029131	4	Pin and Circlip Kit	
12	91474551	4	Circlip	
13	91474553	4	Friction Washer	
14	70025570	4	Differential Pinion	
15	91474595	1	Differential Carrier	
16	3968141	2	Tapered Roller Bearing	
17	70025555	1	Shim Kit	
18	91474539	1	Spacer	
19	91474533	1	Ring Nut	
20	70024522	1	Seal	
22	70022797	1	Flange and Cover Kit	
23	70026631	1	Nut	
24	91474550	4	Circlip	
25	70021140	1	Kit, Differential (See Separate Breakdown in this Section)	

FIGURE 5-46. HUB REDUCTION, REAR AXLE (110HP) (ULS) (8042)

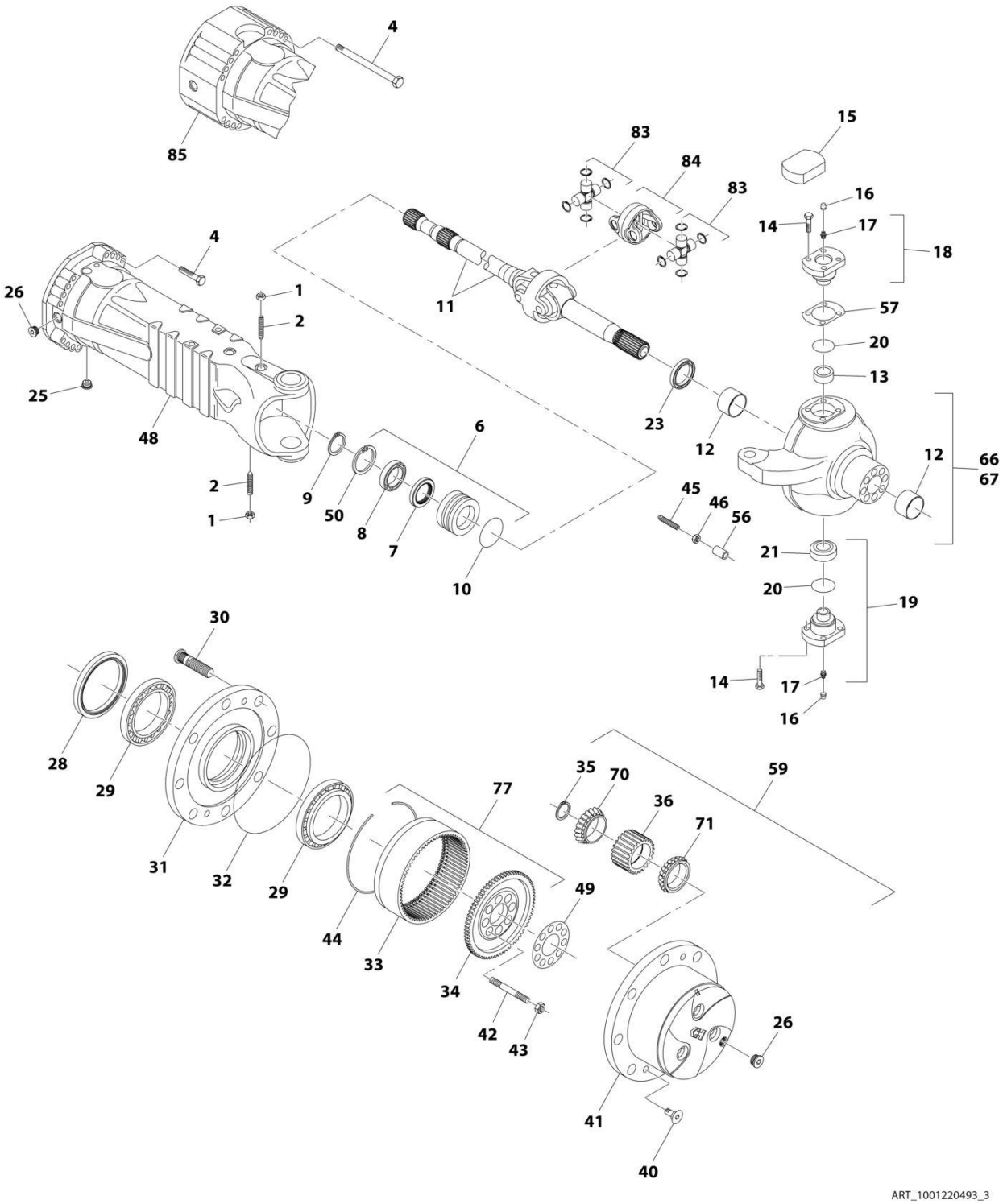


FIGURE 5-46. HUB REDUCTION, REAR AXLE (110HP) (ULS) (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220493	Ref	REAR AXLE, HUB REDUCTION	D
1	91514082	2	Nut	
2	91514081	2	Bolt	
4	70022799	32	Bolt	
6	91514149	2	Reduction Bushing (See Separate Breakdown in this Section)	
7	91514147	2	Seal	
8	91514146	2	Ball Bearing	
9	80204071	2	Circlip	
10	91514148	2	O-Ring	
11	70026803	2	Double Universal Joint and Shaft	
12	91514111	2	Thrust Bushing	
13	7028714	2	Bushing	
14	70025562	24	Bolt	
15	70028392	2	Cover	
16	80204117	2	Plug	
17	70024881	4	Grease Fitting	
18	70028890	2	Pivot Pin	
19	70028891	2	Pivot Pin	
20	7028716	4	Dust Excluder	
21	91514095	2	Bearing	
23	70026238	2	Seal	
25	7028706	4	Magnetic Plug	
26	91514188	2	Plug With Seal Washer	
28	7028721	2	Seal	
29	91474576	4	Bearing	
30	91514183	20	Wheel Stud	
31	7028722	2	Wheel Hub	
32	91514181	2	O-Ring	
33	70026811	2	Ring Gear	
34	70026812	2	Ring Gear Support	
35	70028925	3	Circlip	
36	70028941	6	Differential Pinion	
40	91514189	4	Countersunk Bolt	
41	70028881	1	Planet Gear Carrier	
42	70027315	16	Stud	
43	91474584	16	Nut	
44	91514175	2	Circlip	
45	70028975	4	Bolt, Steering Adjust	
46	80204065	4	Nut	
48	70028976	1	Axle Case	
49	70026622	2	Locking Plate	
50	80204005	2	Circlip	
56	7029311	4	Spacer	
57	70025561	1	Shim Kit	
59	70028881	2	Kit, Planet Gear (See Separate Breakdown in this Section)	
66	70029471	1	Steering Case (LH)	
67	70029472	1	Steering Case (RH)	
70	7028731	6	Steering Case	
71	7028732	6	Steering Case	
77	70026806	2	Ring Gear Support Kit (See Separate Breakdown in this Section)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
83	70028943	2	Joint Cross	
84	70028944	1	Joint Center Section	
85	70028977	1	Axle Case	

FIGURE 5-47. BRAKES, REAR AXLE (110HP) (ULS) (8042)

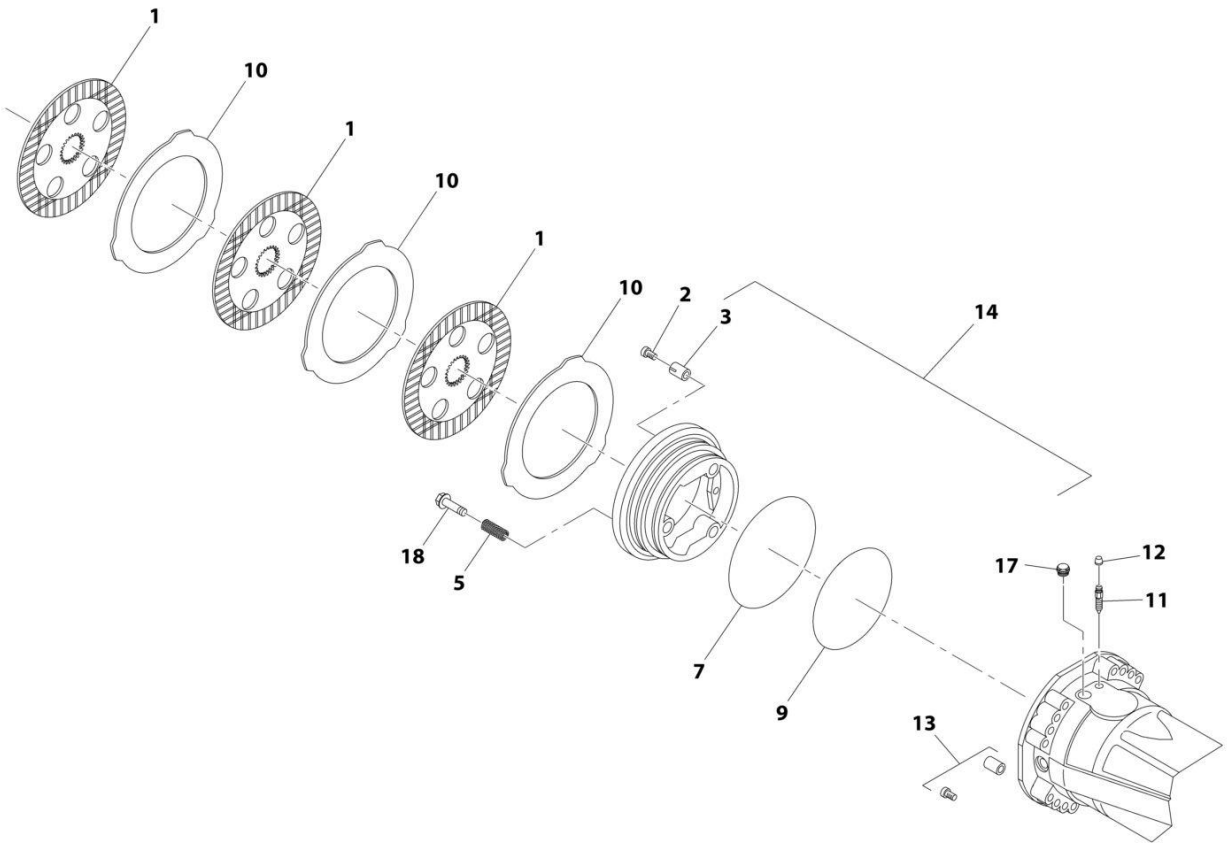


FIGURE 5-47. BRAKES, REAR AXLE (110HP) (ULS) (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220493	Ref	REAR AXLE, BRAKES	D
1	70028798	8	Disc	
2	7029785	6	Adjusting Bolt	
3	70027317	6	Spring	
5	91514159	6	Spring	
7	70025821	2	O-Ring, Anti-Twist	
9	70025822	2	O-Ring, Anti-Twist	
10	70025823	10	Intermediate Brake Disc	
11	80204281	2	Bleeding Bolt	
12	80204117	4	Plug	
13	70021613	2	Pilot Bolt	
14	70028452	1	Piston Kit (Includes Piston & Seals)	
17	91514154	2	Plug With Seal Washer	
18	70024210	6	Adjusting Bolt	

FIGURE 5-48. STEERING, REAR AXLE (110HP) (ULS) (8042)

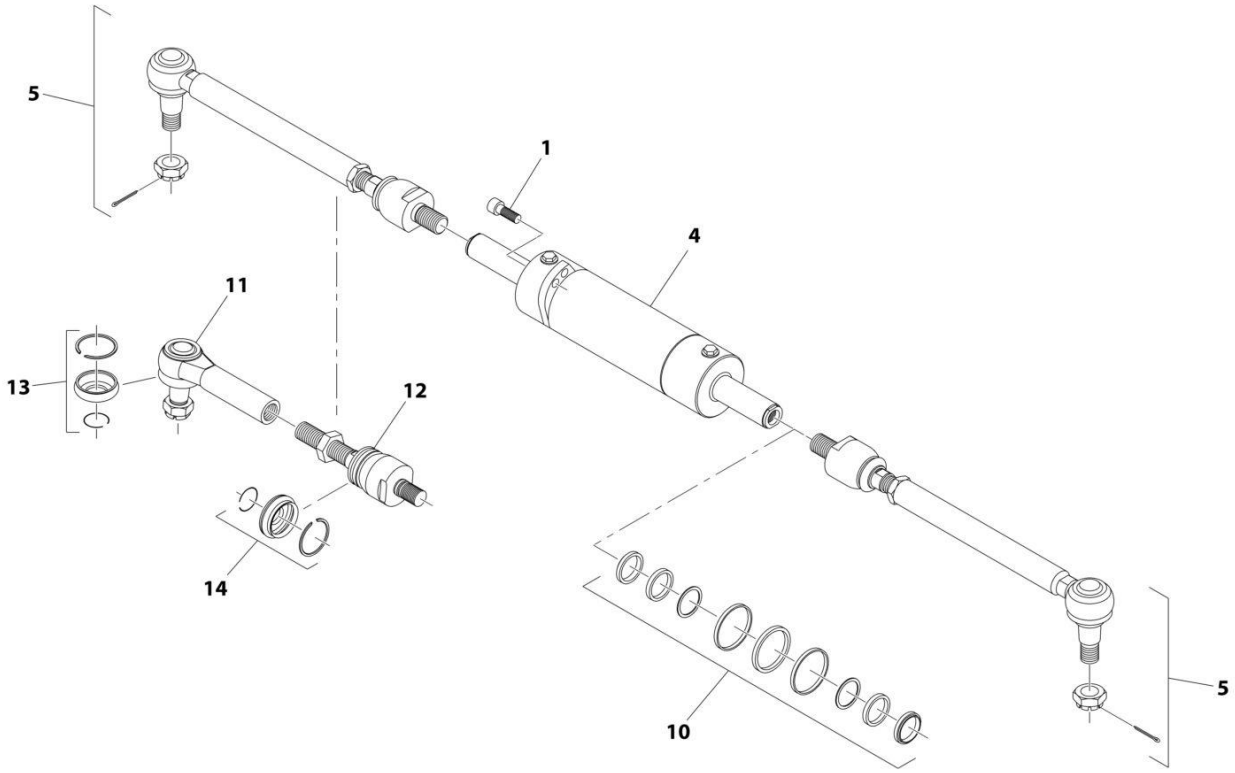
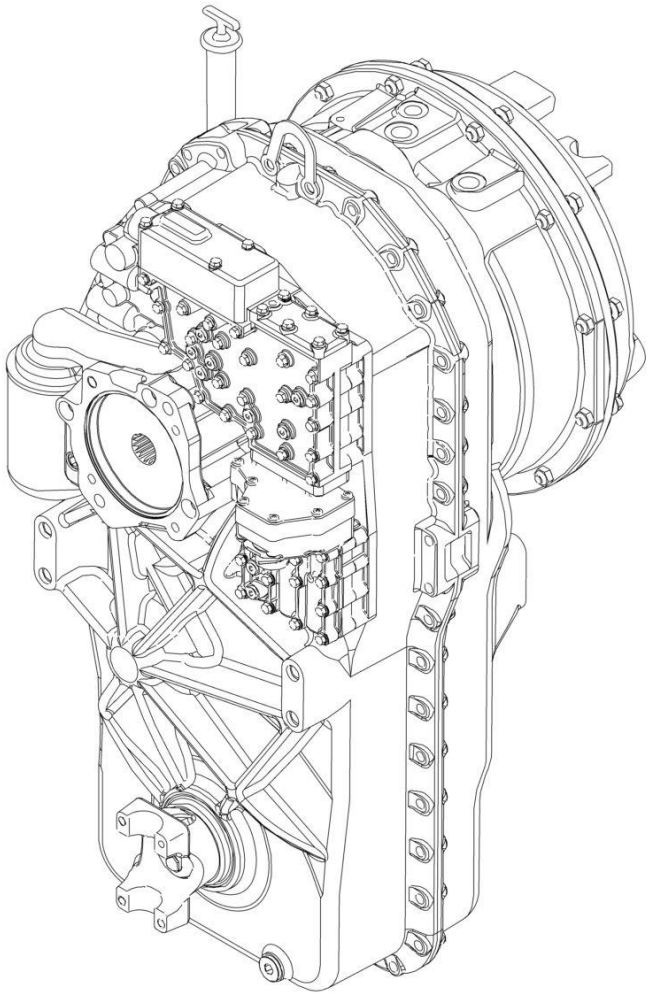


FIGURE 5-48. STEERING, REAR AXLE (110HP) (ULS) (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220493	Ref	REAR AXLE, STEERING	D
1	80204144	5	Bolt	
4	70028947	1	Cylinder, Steering	
5	70028948	2	Tie Rod	
10	7029127	1	Seal Kit	
11	70028949	1	Joint, 90 DEG	
12	70028950	1	Axial Joint Shaft	
13	70028951	1	Rubber Boot and Locking Ring Kit	
14	70028952	1	Rubber Boot and Locking Ring Kit	

FIGURE 5-49. TRANSMISSION



ART_8841036_1-C

FIGURE 5-49. TRANSMISSION

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

FIGURE 5-50. TRANSMISSION, ENGINE CONNECTION AND CONVERTER

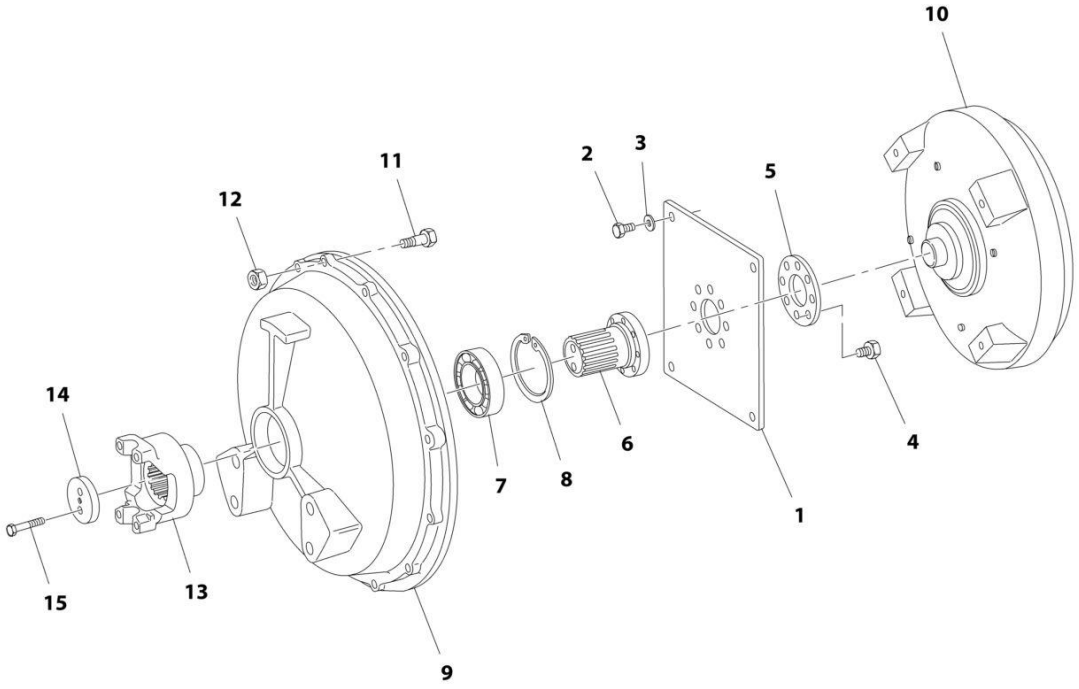


FIGURE 5-50. TRANSMISSION, ENGINE CONNECTION AND CONVERTER

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

FIGURE 5-51. TRANSMISSION, INPUT SHAFTS

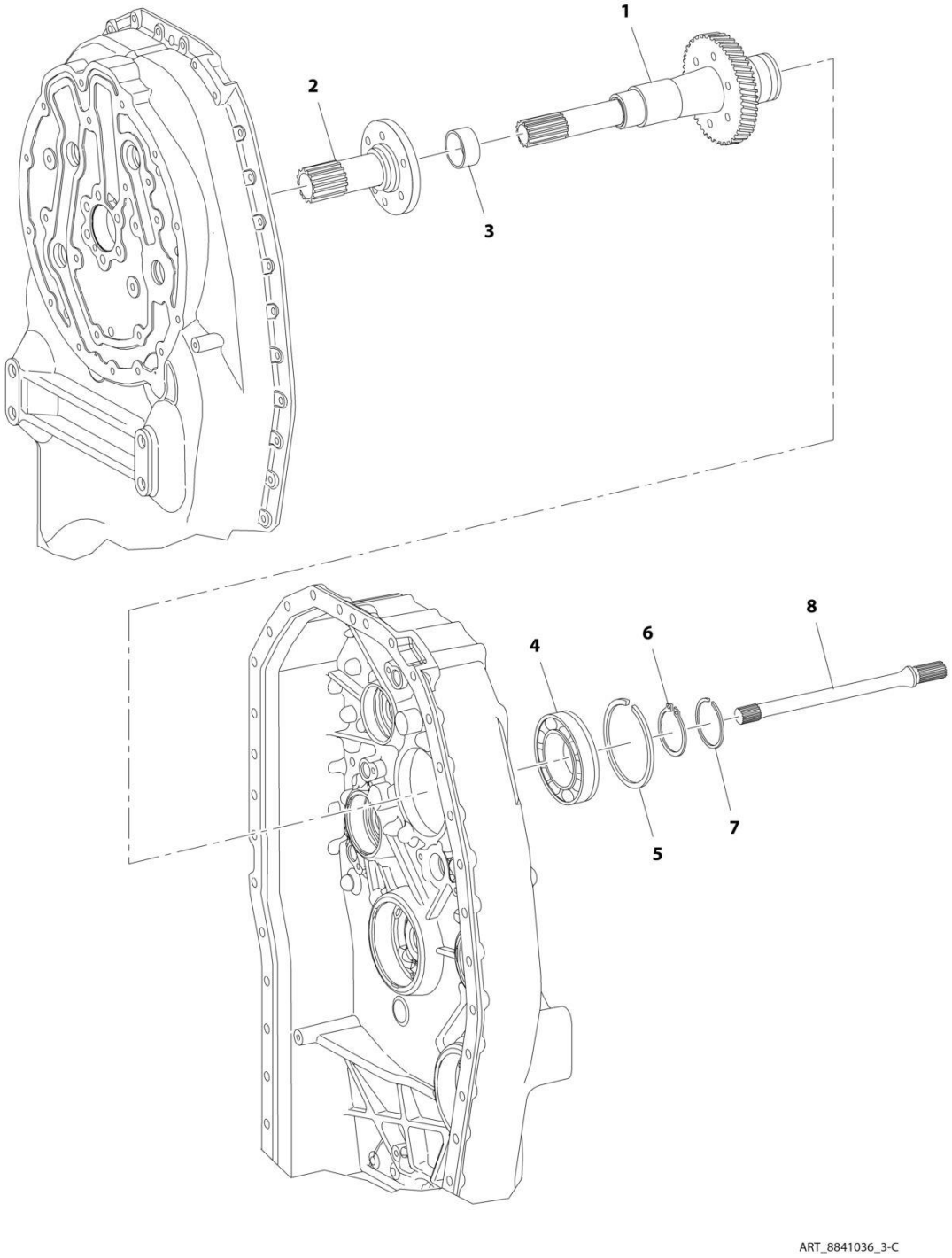


FIGURE 5-51. TRANSMISSION, INPUT SHAFTS

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

FIGURE 5-52. TRANSMISSION, GEARBOX HOUSING

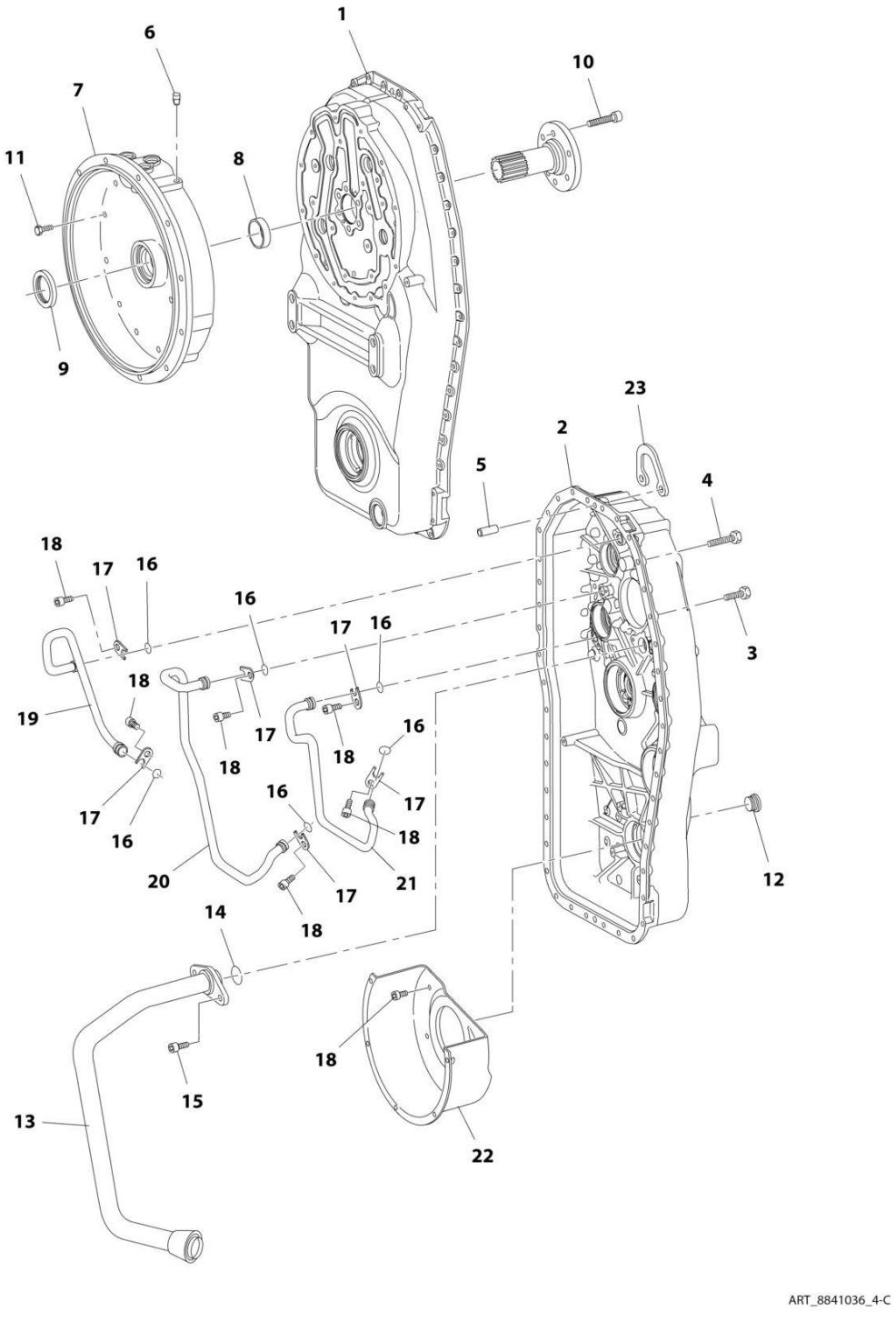


FIGURE 5-52. TRANSMISSION, GEARBOX HOUSING

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

FIGURE 5-53. TRANSMISSION, COUPLING GROUP 1

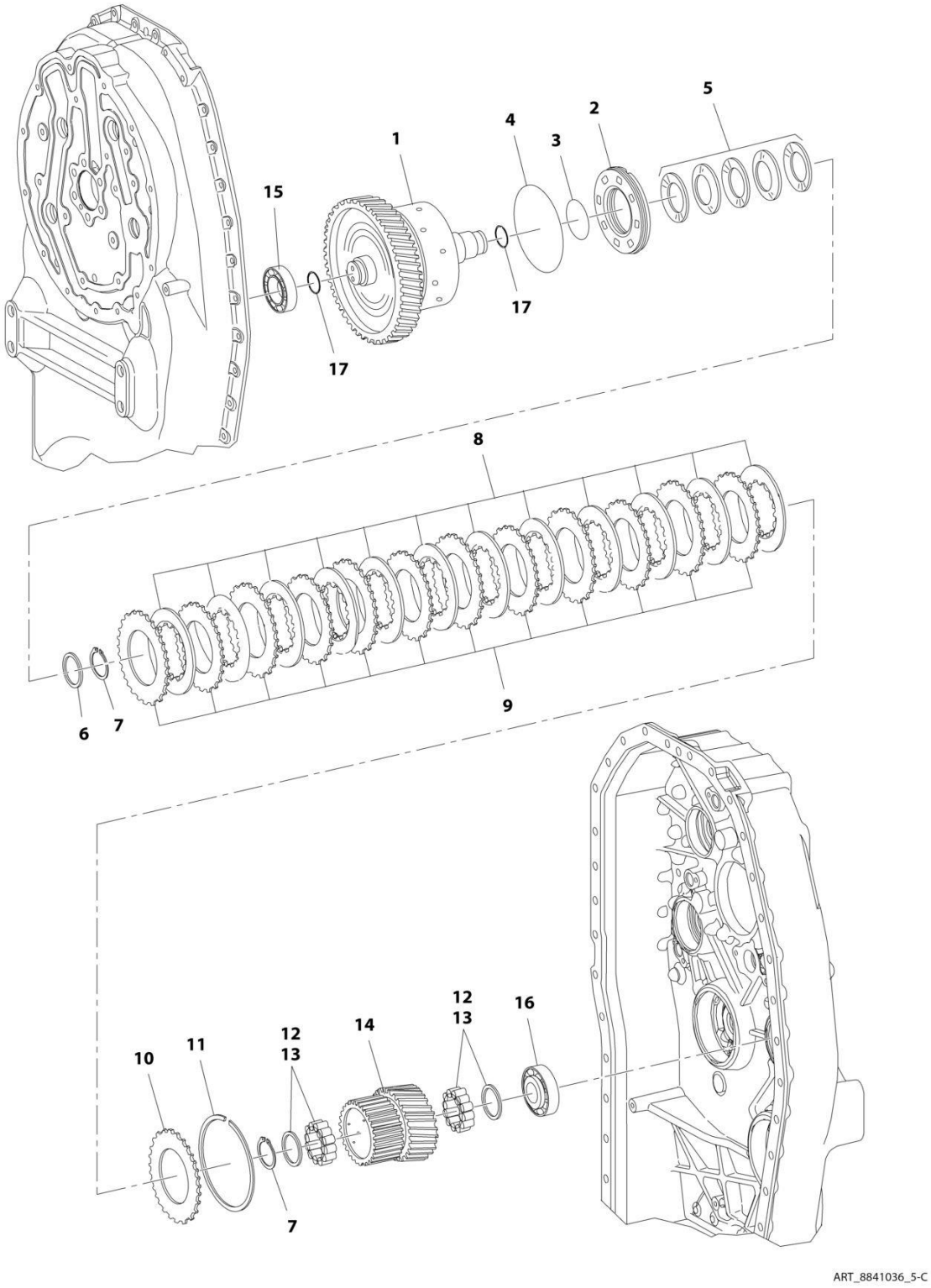


FIGURE 5-53. TRANSMISSION, COUPLING GROUP 1

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

FIGURE 5-54. TRANSMISSION, COUPLING GROUP 2

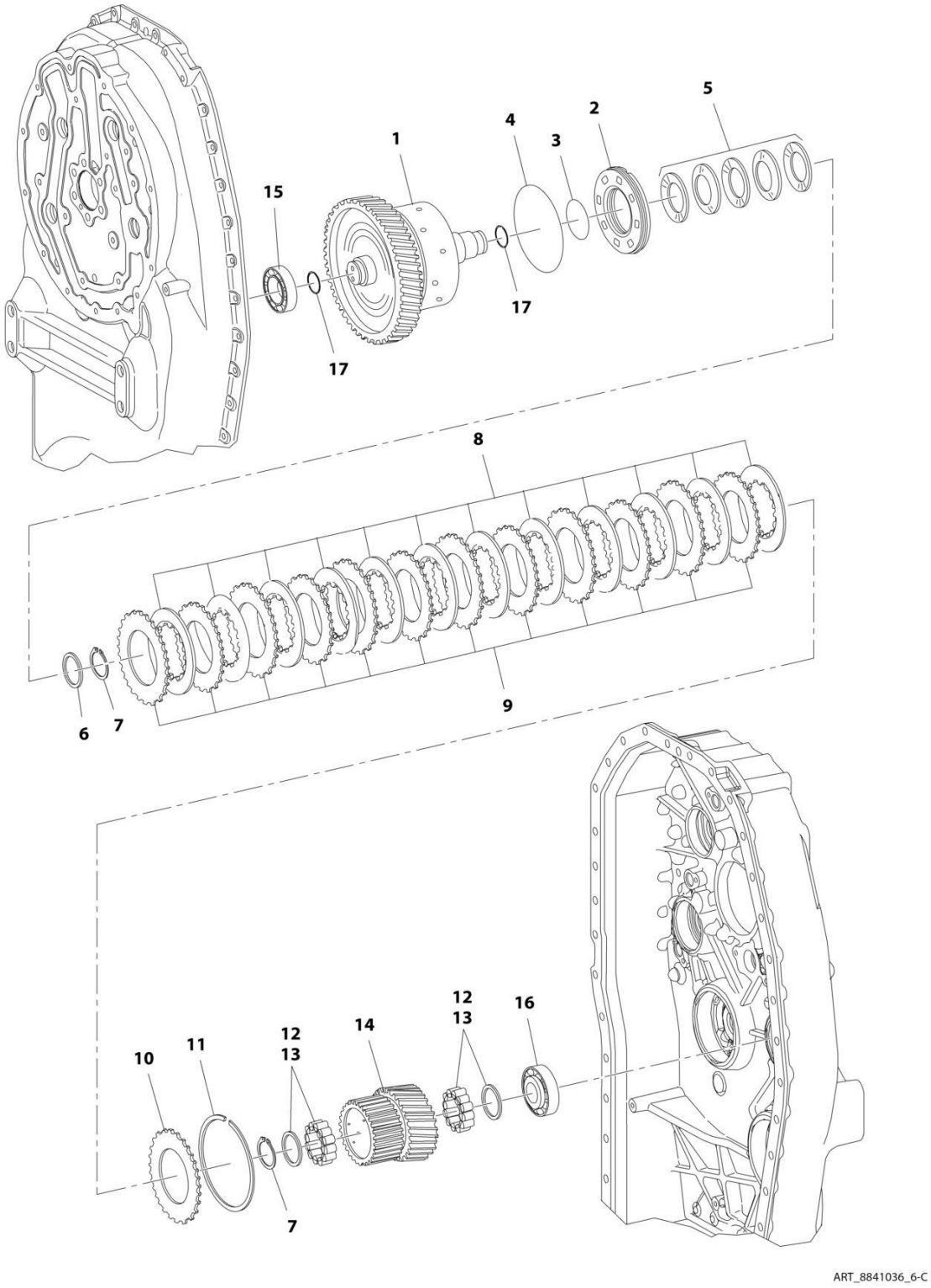


FIGURE 5-54. TRANSMISSION, COUPLING GROUP 2

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

FIGURE 5-55. TRANSMISSION, COUPLING GROUP 3

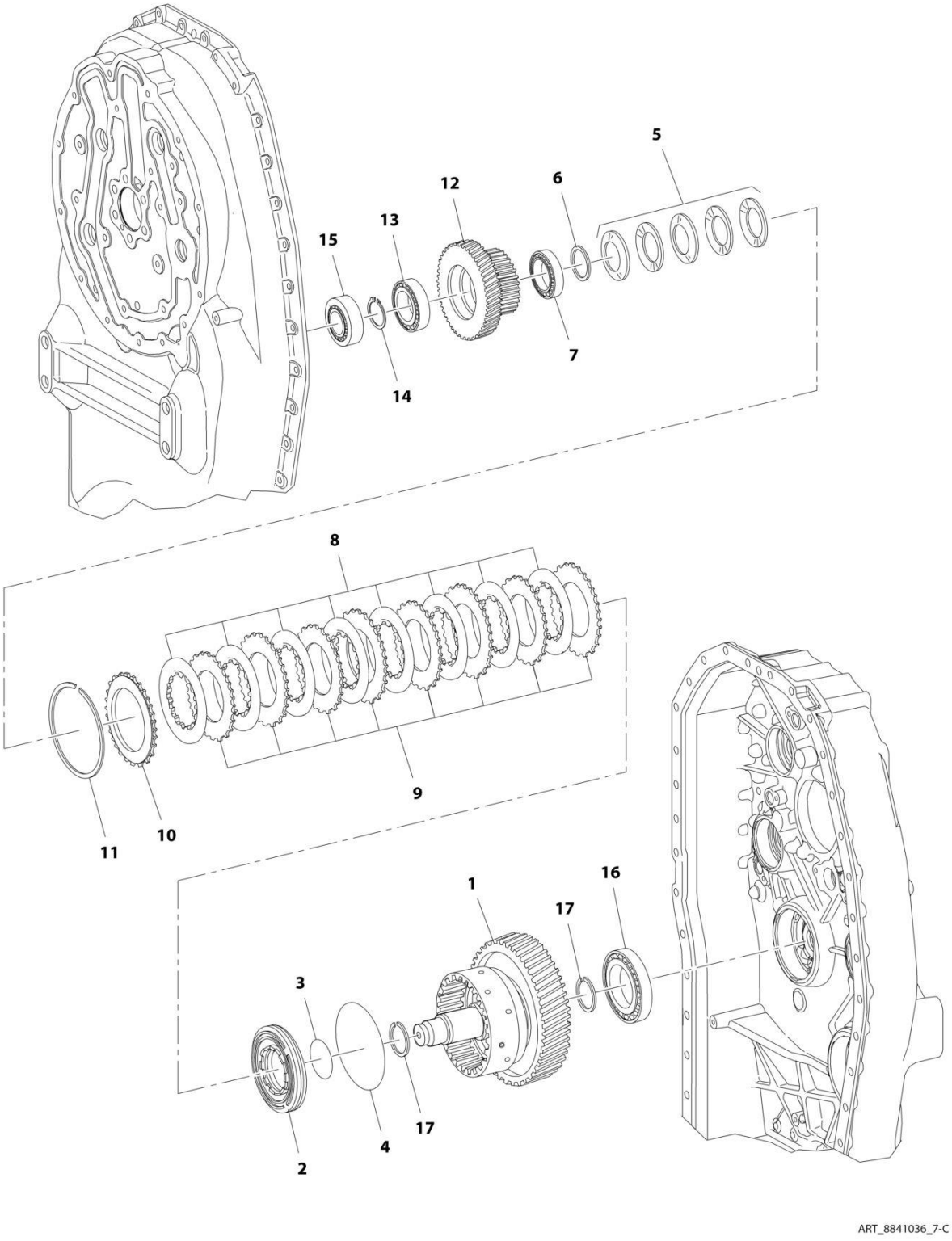


FIGURE 5-55. TRANSMISSION, COUPLING GROUP 3

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

FIGURE 5-56. TRANSMISSION, COUPLING GROUP 4

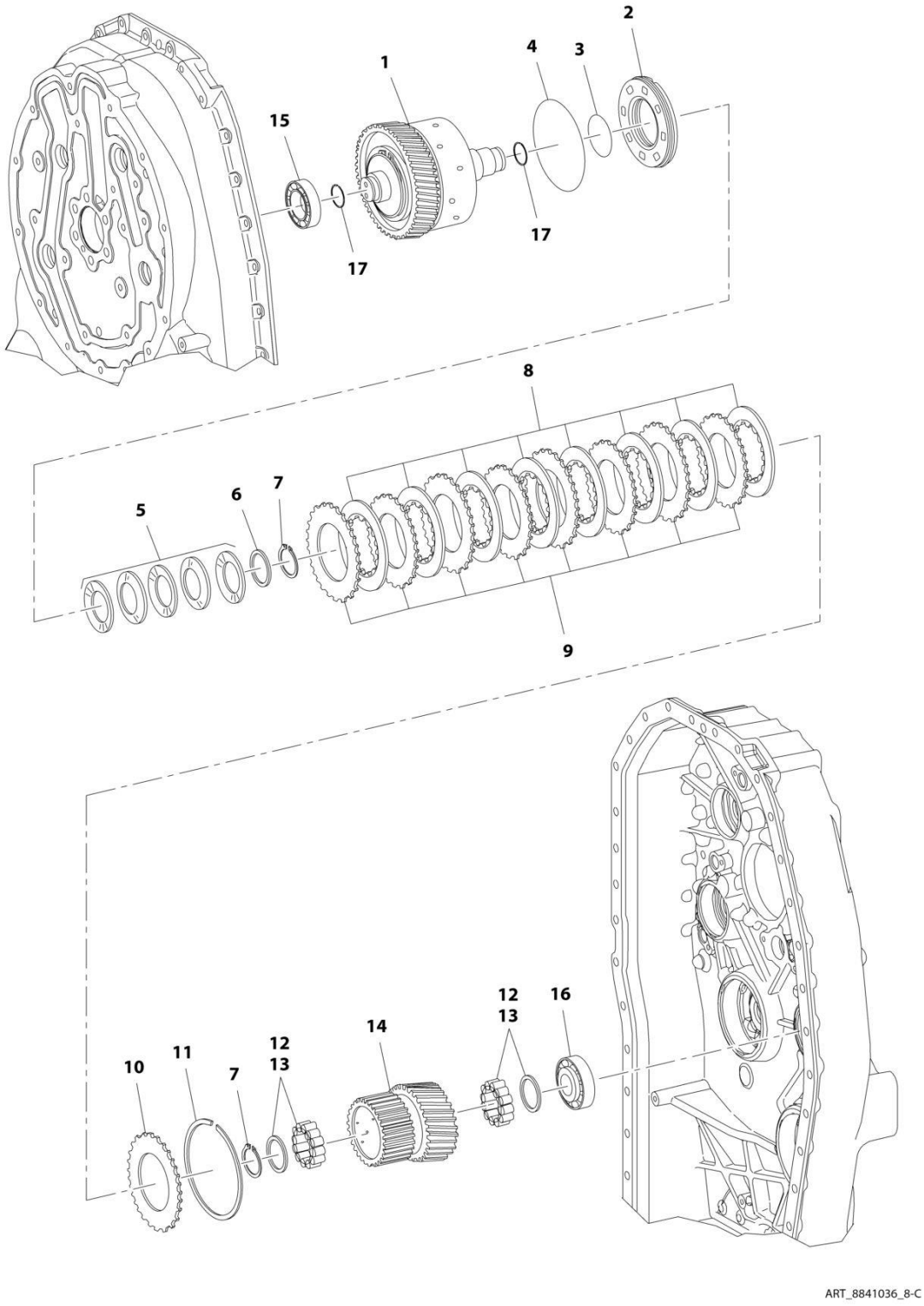


FIGURE 5-56. TRANSMISSION, COUPLING GROUP 4

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

FIGURE 5-57. TRANSMISSION, REVERSING GEAR GROUP 1

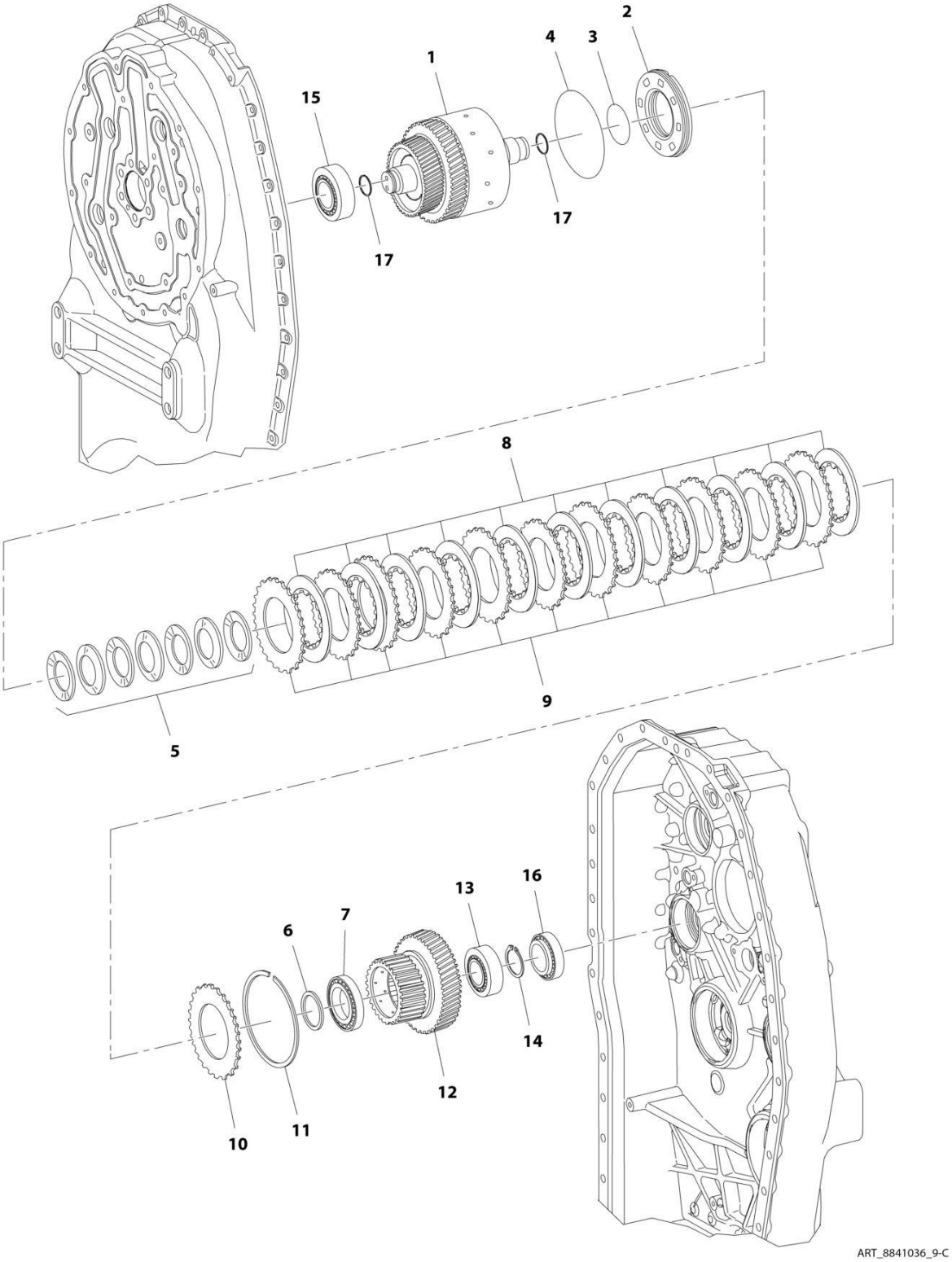


FIGURE 5-57. TRANSMISSION, REVERSING GEAR GROUP 1

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

FIGURE 5-58. TRANSMISSION, REVERSING GEAR GROUP 2

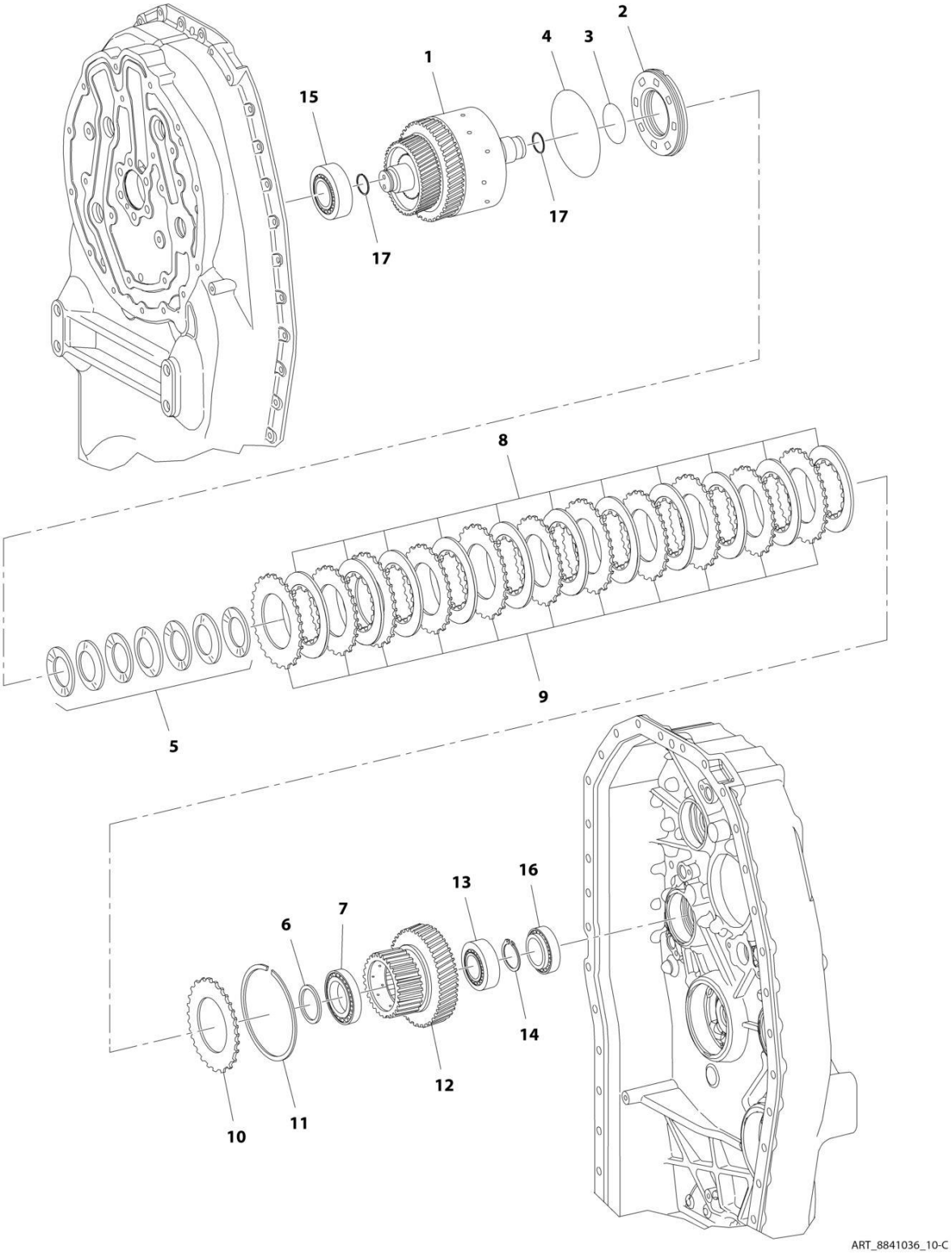


FIGURE 5-58. TRANSMISSION, REVERSING GEAR GROUP 2

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

FIGURE 5-59. TRANSMISSION, OUTPUT

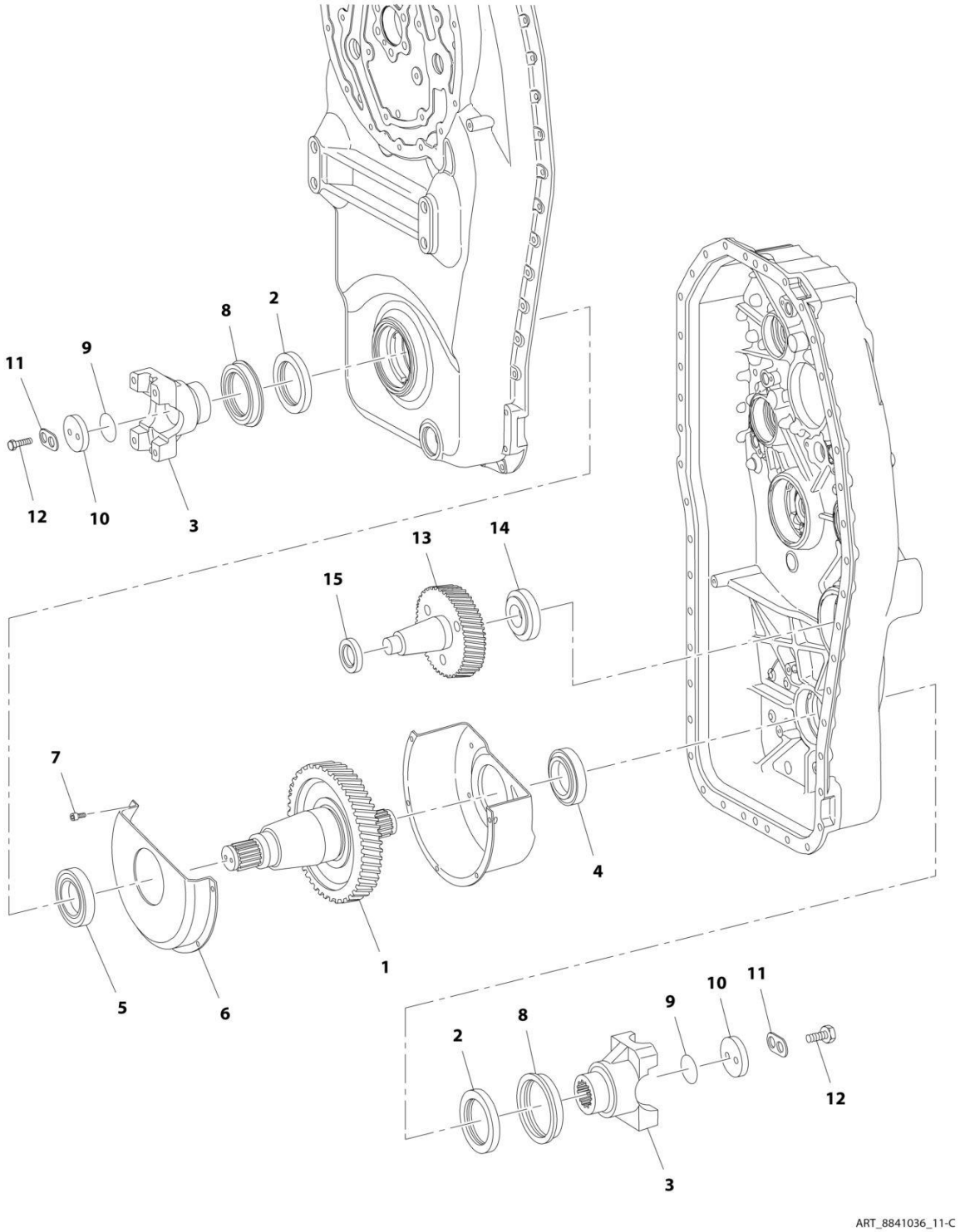


FIGURE 5-59. TRANSMISSION, OUTPUT

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

FIGURE 5-60. TRANSMISSION, CONTROL UNIT

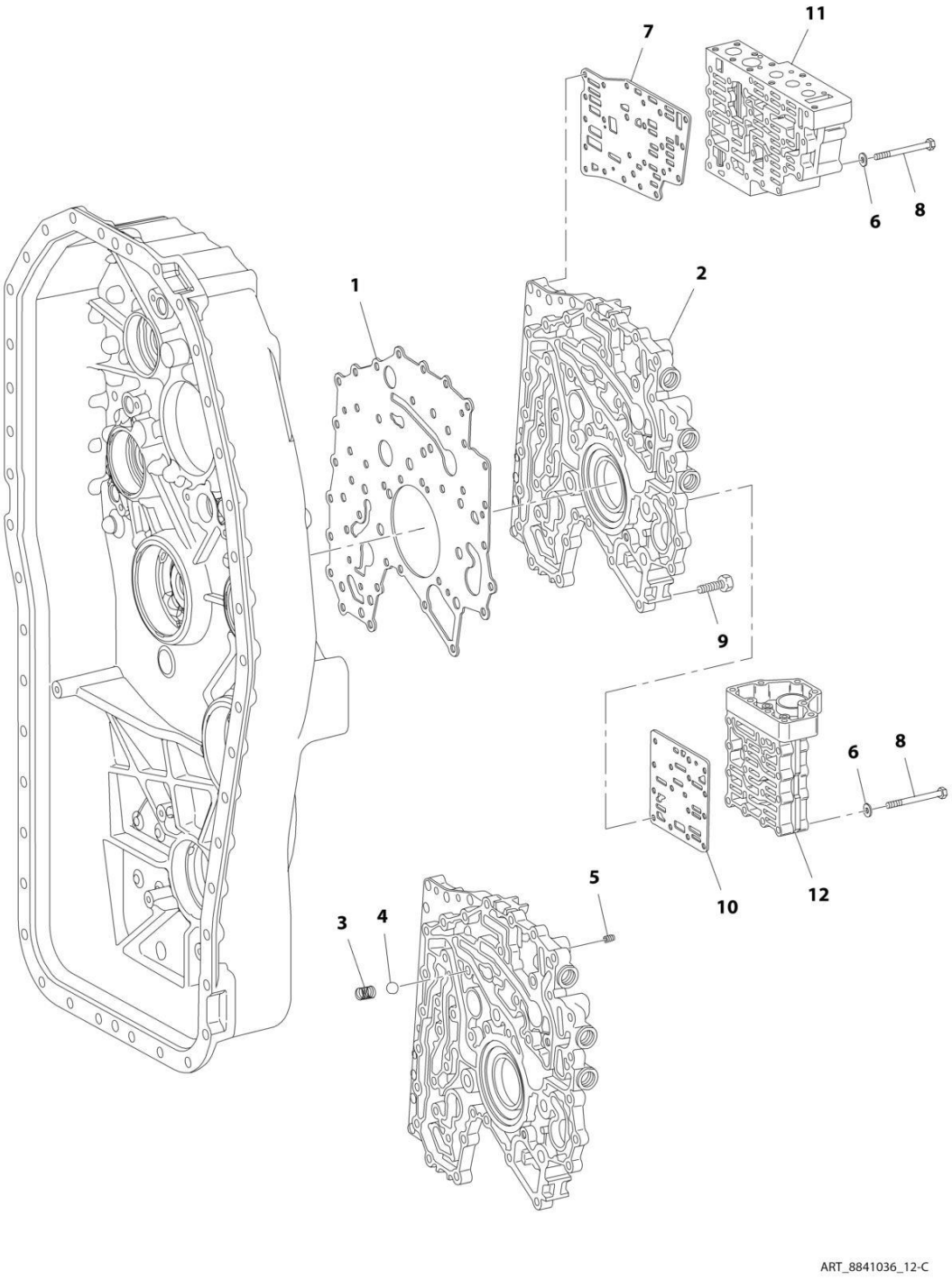


FIGURE 5-60. TRANSMISSION, CONTROL UNIT

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

FIGURE 5-61. TRANSMISSION, VALVE HOUSING ASSEMBLY

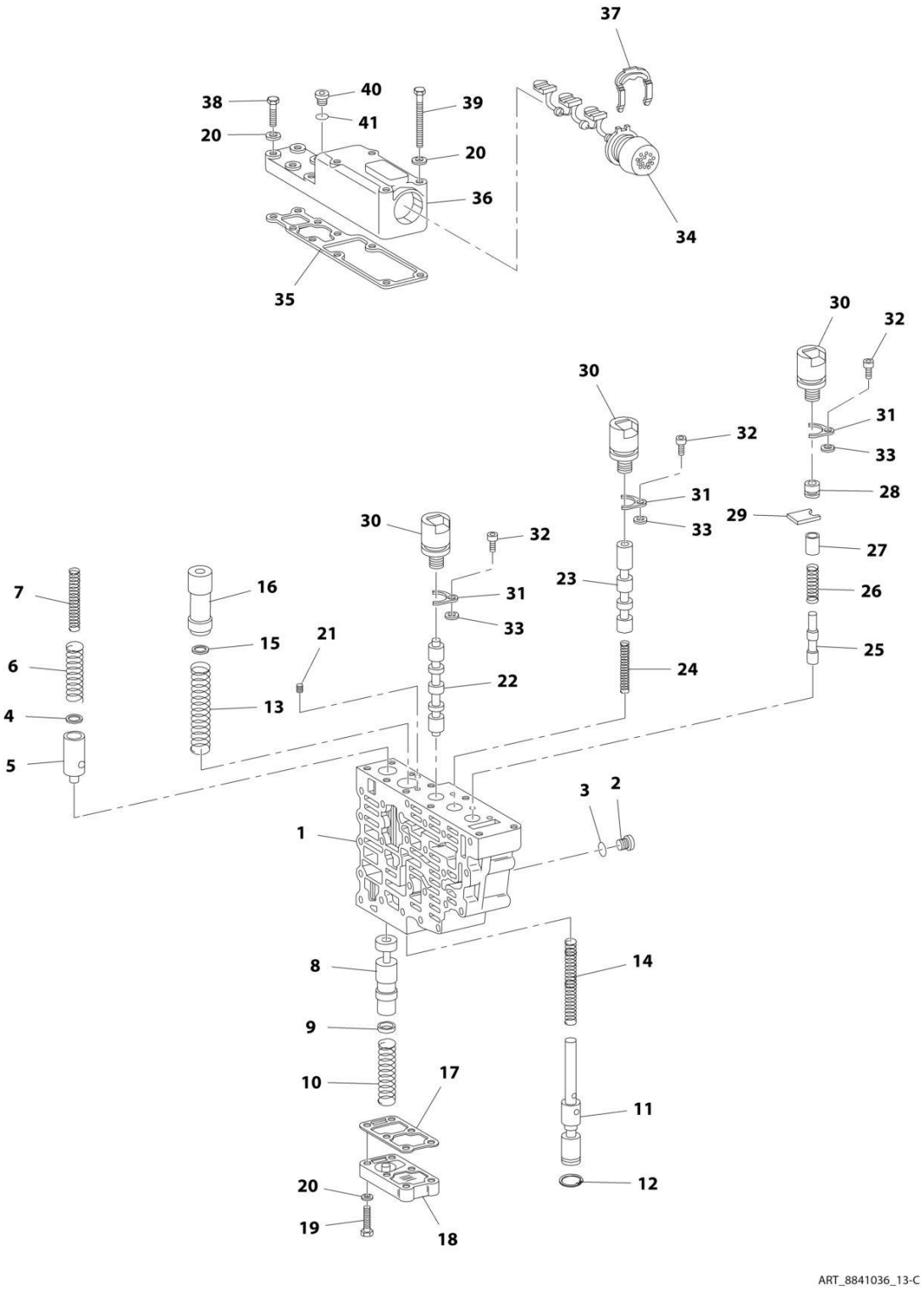


FIGURE 5-61. TRANSMISSION, VALVE HOUSING ASSEMBLY

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

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

FIGURE 5-62. TRANSMISSION, VALVE BLOCK ASSEMBLY

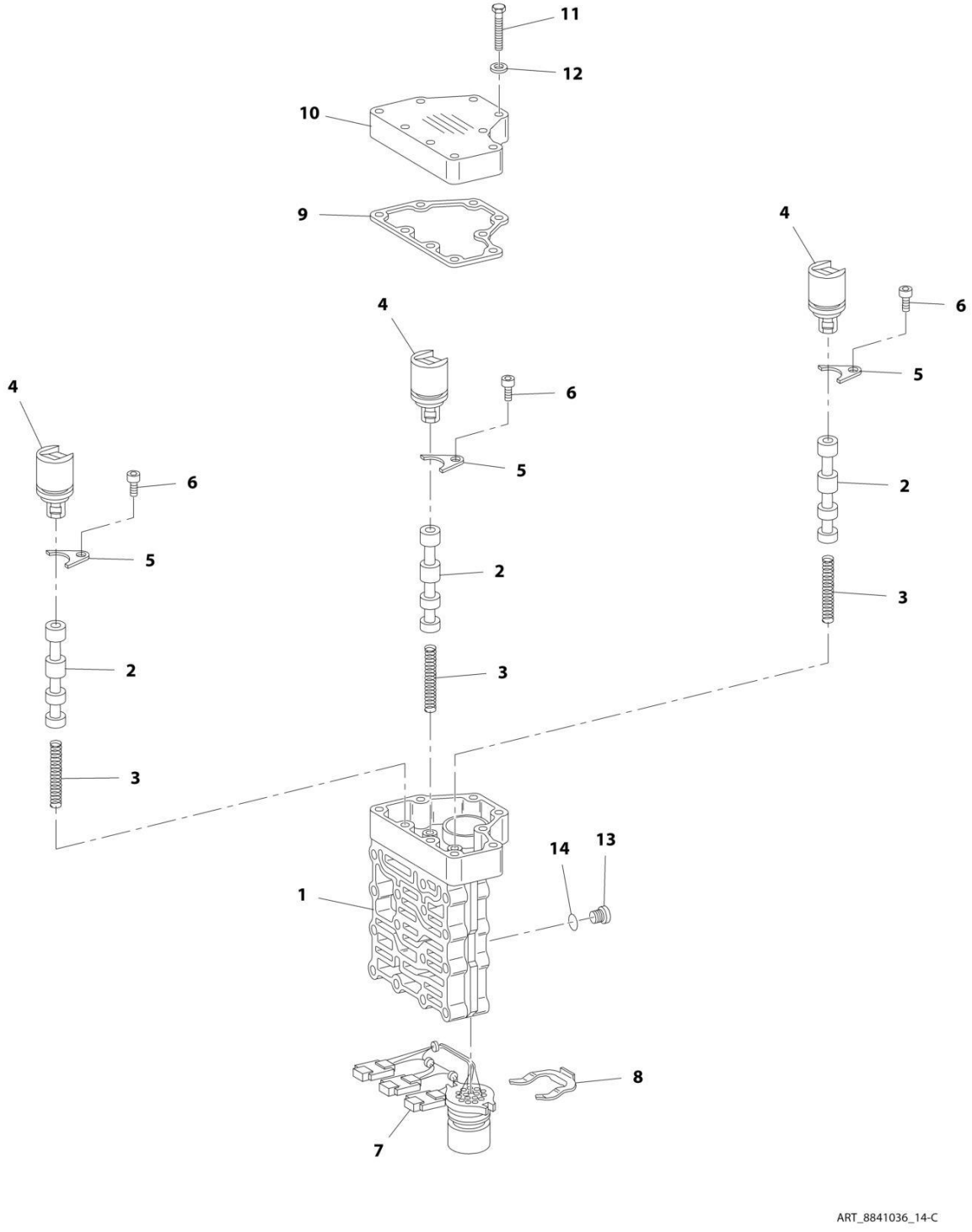


FIGURE 5-62. TRANSMISSION, VALVE BLOCK ASSEMBLY

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

FIGURE 5-63. TRANSMISSION, OIL PUMP AND FILTER

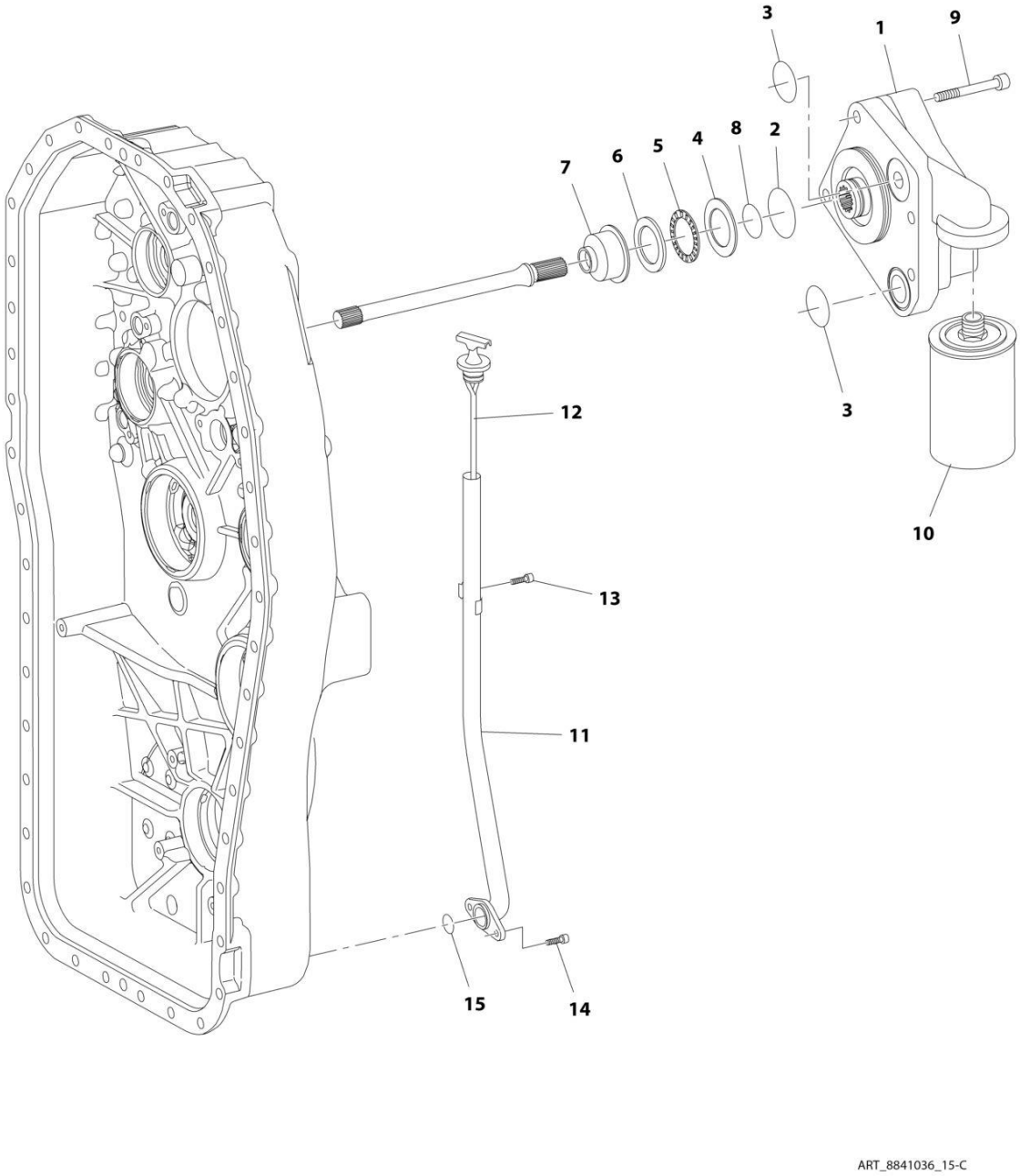


FIGURE 5-63. TRANSMISSION, OIL PUMP AND FILTER

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

FIGURE 5-64. FENDER INSTALLATION

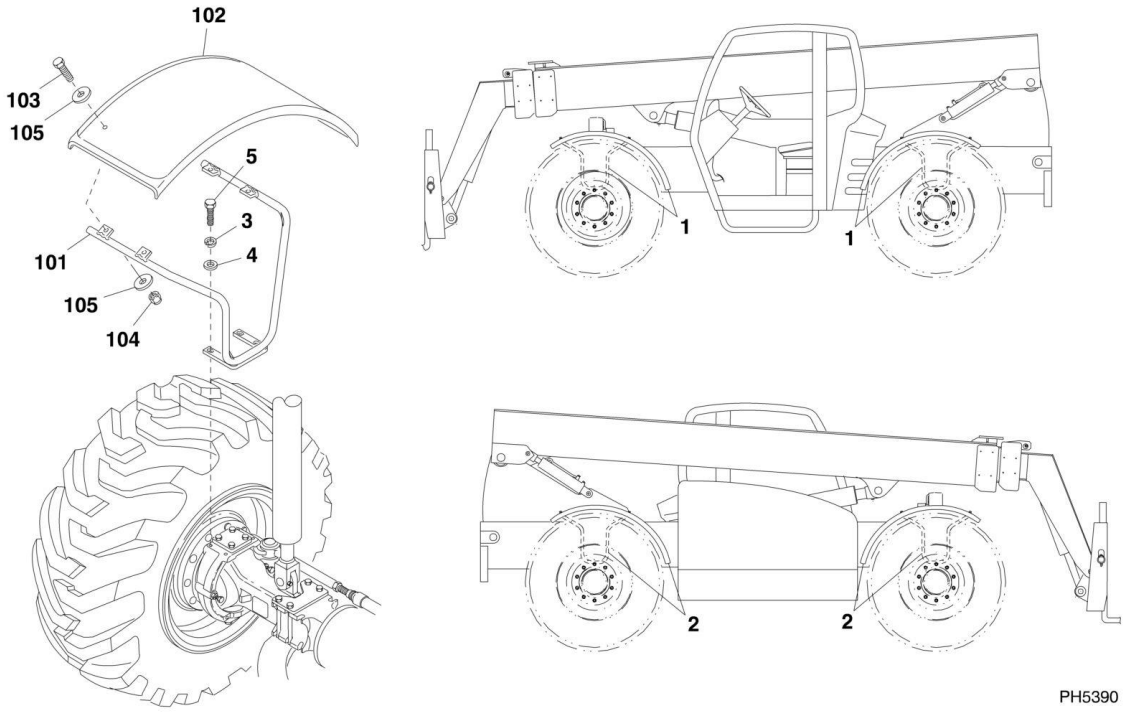


FIGURE 5-64. FENDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139086	1	FENDER INSTALLATION, (includes items 1 thru 5)	D
1	7139087	2	LH FENDER AND BRACKET ASSY, (includes items 101 thru 105)	D
2	7139088	2	RH FENDER AND BRACKET ASSY, (includes items 101 thru 105)	D
3	8307025	16	LOCKWASHER, M12	
4	8307220	16	PLAIN WASHER, M12	
5	8310164	16	HEX HD CAPSCREW, M12X1-3/4X40	
101	7139560	1	FENDER MOUNTING BRACKET	
102	7139226	1	FENDER	
103	8303626	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5	
104	8305644	4	HEX LOCKNUT, 1/2-13	
105	8307206	8	PLAIN WASHER, 1/2	

FIGURE 5-65. WHEEL ASSEMBLY (8042)

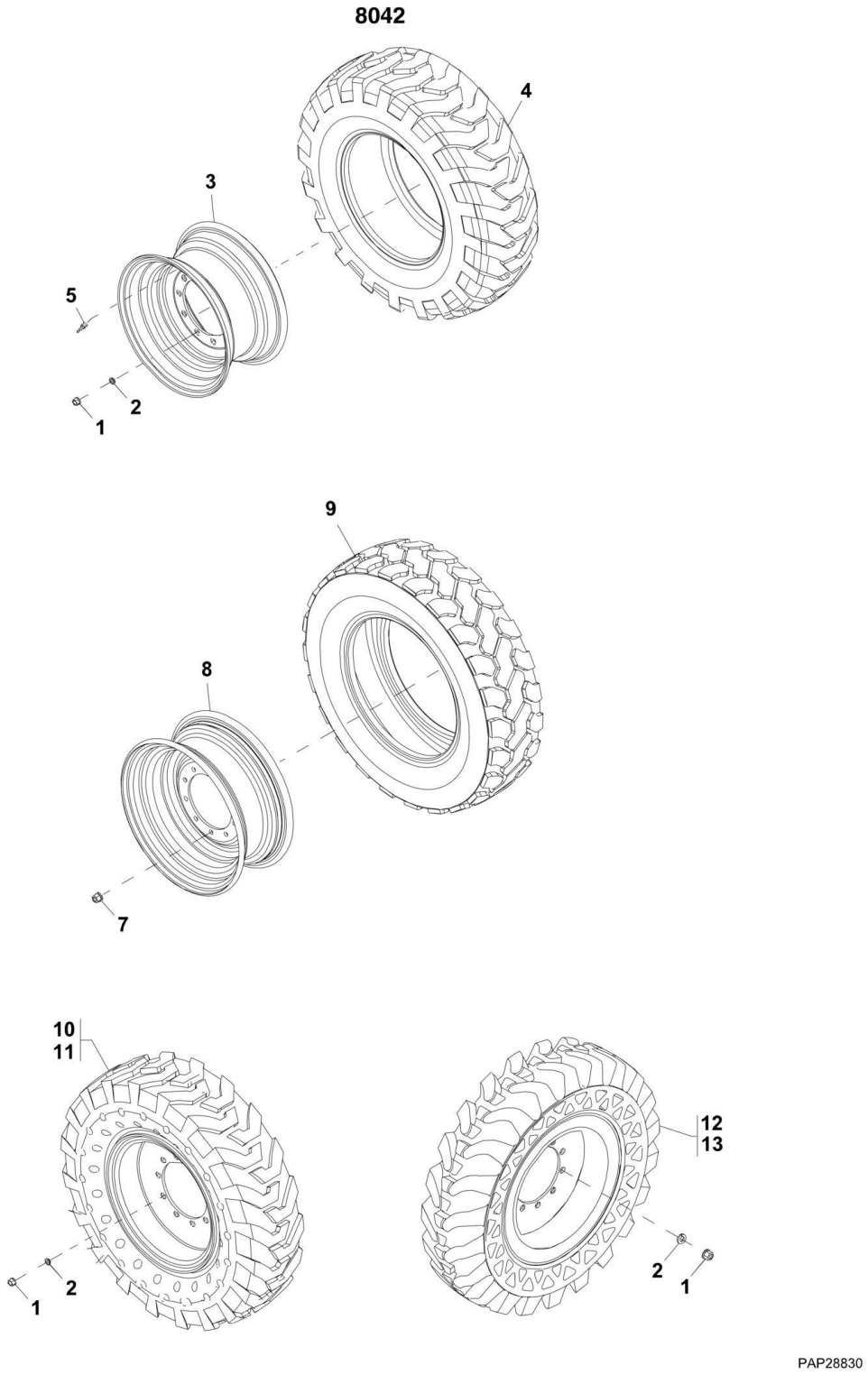


FIGURE 5-65. WHEEL ASSEMBLY (8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4520471	1	PNEUMATIC TIRE SET, 15.50-25, G-2, (includes items 1 & 2)	B
	7138660	2	PNEUMATIC TIRE AND WHEEL ASSY, (right side), 15.50-25, G-2, (includes items 3 thru 5)	D
	7138661	2	PNEUMATIC TIRE AND WHEEL ASSY, (left side), 15.50-25, G-2, (includes items 3 thru 5)	E
	4520472	1	FOAM TIRE SET, 15.5-25, G-2, 600 LB, (includes items 1 & 2)	B
	7139161	2	FOAM TIRE AND WHEEL ASSY, (right side), 15.50-25, G-2, (includes items 3 thru 6)	C
	7139162	2	FOAM TIRE AND WHEEL ASSY, (left side), 15.50-25, G-2, (includes items 3 thru 6)	C
	1001120935	1	PNEUMATIC TIRE SET, 370/75-28, (includes item 7)	A
	1001100324	4	PNEUMATIC TIRE AND WHEEL ASSY, 370/75-28 (includes items 5, 8 & 9)	C
	1001121518	1	FOAM TIRE SET, 370/75-28, 464 LB, (includes item 7)	B
	1001121085	4	FOAM TIRE AND WHEEL ASSY, 370/75-28, (includes items 5, 6, 8 & 9)	A
	4520648	1	SOLID TIRE SET, TY CUSHION, 14.00-24, (includes items 1, 2, 10 & 11) **(Prior to SN 0160060012)**	B
	1001151107	1	SOLID TIRE SET, 13.00-24, (includes items 1, 2, 12 & 13)	A
1		Ref	WHEEL NUT, (torque to 430-470 lb-ft/583-637 Nm), (See DRIVE TRAIN COMPONENTS for Breakdown)	
2		Ref	LOCKWASHER, M22, (See DRIVE TRAIN COMPONENTS for Breakdown)	
3	7301056	1	WHEEL, 13X25, 10 HOLE	
4	8780036	1	TIRE, 15.50X25, 12 PLY BIAS L2	
5	8786514	1	VALVE STEM	
6	8526203	1	BALLAST FLAT PROOFING FOAM FILL, (not shown)	
7		Ref	LUG NUT, M22X1-1/2, FREE SPINNING, (torque to 430-470 lb-ft/583-637 Nm), (See DRIVE TRAIN COMPONENTS for Breakdown)	
8	1001100005	1	WHEEL, 28X11	
9	1001100284	1	TIRE, 370/75-28	
10	4520649	2	SOLID TIRE AND WHEEL ASSY, (right side), 13.00-24 **(Prior to SN 0160060012)**	B
11	4520650	2	SOLID TIRE AND WHEEL ASSY, (left side), 13.00-24 **(Prior to SN 0160060012)**	B
12	1001151099	2	LH SOLIDEAL TIRE AND WHEEL ASSY, 13.00-24	A
13	1001151100	2	RH SOLIDEAL TIRE AND WHEEL ASSY, 13.00-24	A
N1	Note	Ref	**WHEN ORDERING TIRES CONTACT JLG AND SPECIFY THE BRAND OF TIRE.**	
N2	Note	Ref	**ASSEMBLIES MAY REQUIRE BALLAST/FOAM FILLING TO MANUFACTURER'S SPECIFICATIONS PRIOR TO INSTALLING ON A MACHINE. REFER TO OPERATION AND SAFETY OR SERVICE MANUALS. PURCHASE INDIVIDUAL TIRE AND/OR RIM ONLY IF ABLE TO FOAM FILL TIRE AND WHEEL ASSEMBLY, OTHERWISE, PURCHASE COMPLETE ASSEMBLY.**	

FIGURE 5-66. WHEEL ASSEMBLY (10042,10054)

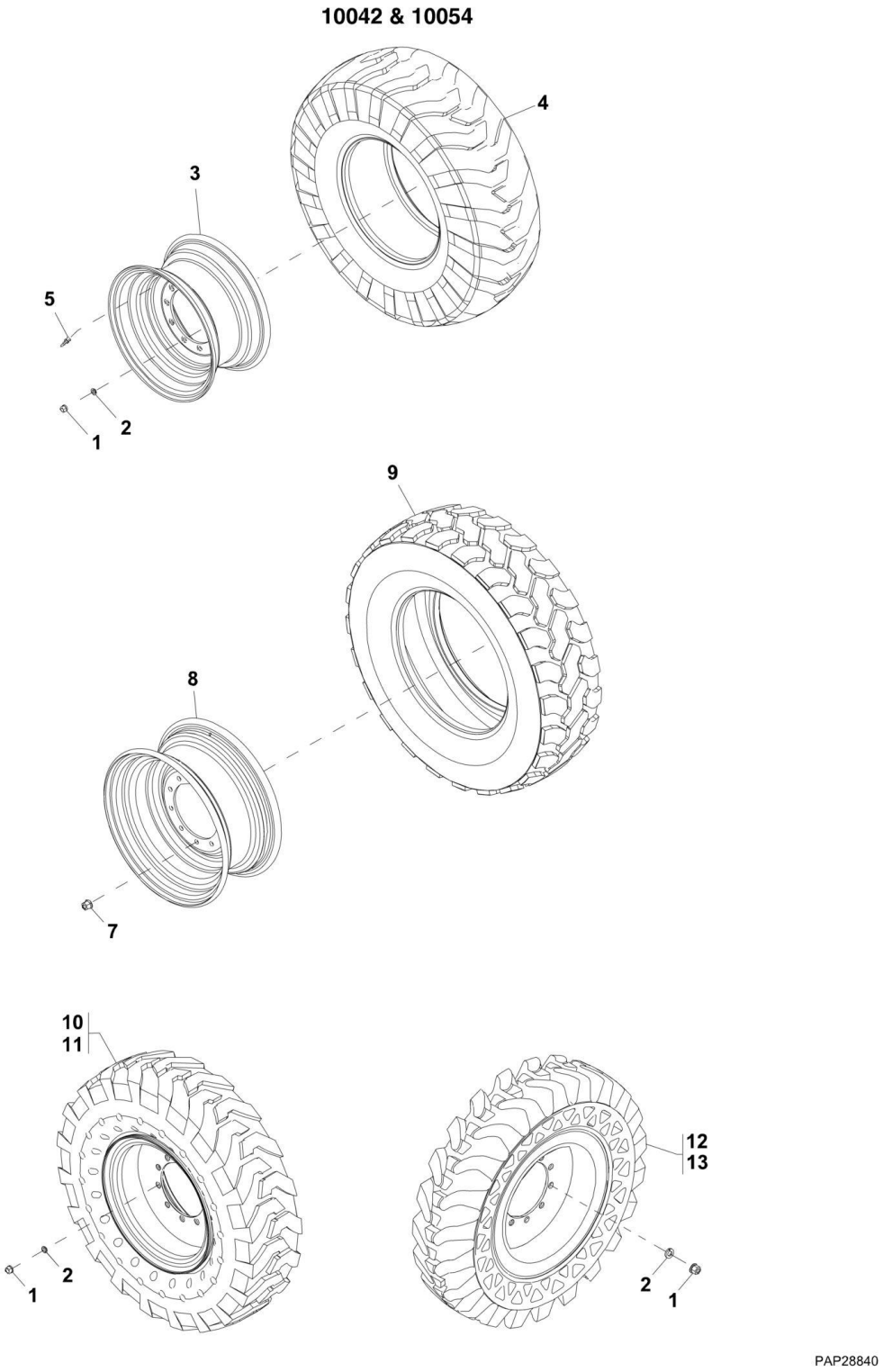


FIGURE 5-66. WHEEL ASSEMBLY (10042,10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4520535	1	PNEUMATIC TIRE SET, 17.50-25, G-2, (includes items 1 & 2)	B
	7138662	2	PNEUMATIC TIRE AND WHEEL ASSY, (right side), 17.50-25, G-2, (includes items 3 thru 5)	F
	7138663	2	PNEUMATIC TIRE AND WHEEL ASSY, (left side), 17.50-25, G-2, (includes items 3 thru 5)	F
	4520536	1	FOAM TIRE SET, 17.50-25, G-2, 785 LB, (includes items 1 & 2)	B
	7139163	2	FOAM TIRE AND WHEEL ASSY, (right side), 17.50-25, G-2, (includes items 3 thru 6)	D
	7139164	2	FOAM TIRE AND WHEEL ASSY, (left side), 17.50-25, G-2, (includes items 3 thru 6)	D
	1001121107	1	PNEUMATIC TIRE SET, 400/75-28, (includes item 7)	A
	1001121102	4	PNEUMATIC TIRE AND WHEEL ASSY, 400/75-28, (includes items 5, 8 & 9)	A
	1001125418	1	FOAM TIRE SET, 400/75-28, 570 LB, (includes item 7)	A
	1001121104	4	FOAM TIRE AND WHEEL ASSY, 400/75-28, (includes items 5, 6, 8 & 9)	A
	1001105703	1	SOLID TIRE SET, TY CUSHION, 14.00-24, (includes items 1, 2, 10 & 11) **(Prior to SN 0160060012)**	B
	1001151109	1	SOLID TIRE SET, 13.00-24, (includes items 1, 2, 12 & 13)	A
1		Ref	WHEEL NUT, (torque to 430-470 lb-ft/583-637 Nm), (See DRIVE TRAIN COMPONENTS for Breakdown)	
2		Ref	LOCKWASHER, M22, (See DRIVE TRAIN COMPONENTS for Breakdown)	
3	7301056	1	WHEEL, 13X25, 10 HOLE	
4	4520527	1	TIRE, 17.50-25, 12 PLY LOADER L2	
5	8786514	1	VALVE STEM	
6	8526203	1	BALLAST FLAT PROOFING FOAM FILL, (not shown)	
7		Ref	LUG NUT, M22X1-1/2, FREE SPINNING, (torque to 430-470 lb-ft/583-637 Nm), (See DRIVE TRAIN COMPONENTS for Breakdown)	
8	1001100009	1	WHEEL, 28X12	
9	1001120179	1	TIRE, 400/75-28	
10	1001105705	2	SOLID TIRE AND WHEEL ASSY, (right side), 14.00-24 **(Prior to SN 0160060012)**	A
11	1001105704	2	SOLID TIRE AND WHEEL ASSY, (left side), 14.00-24 **(Prior to SN 0160060012)**	A
12	1001151103	2	LH SOLIDEAL TIRE, 13.00-24	A
13	1001151104	2	RH SOLIDEAL TIRE, 13.00-24	A
N1	Note	Ref	**WHEN ORDERING TIRES CONTACT JLG AND SPECIFY THE BRAND OF TIRE.**	
N2	Note	Ref	**ASSEMBLIES MAY REQUIRE BALLAST/FOAM FILLING TO MANUFACTURER'S SPECIFICATIONS PRIOR TO INSTALLING ON A MACHINE. REFER TO OPERATION AND SAFETY OR SERVICE MANUALS. PURCHASE INDIVIDUAL TIRE AND/OR RIM ONLY IF ABLE TO FOAM FILL TIRE AND WHEEL ASSEMBLY, OTHERWISE, PURCHASE COMPLETE ASSEMBLY.**	

SECTION 6 - CAB

FIGURE 6-1. CAB INSTALLATION

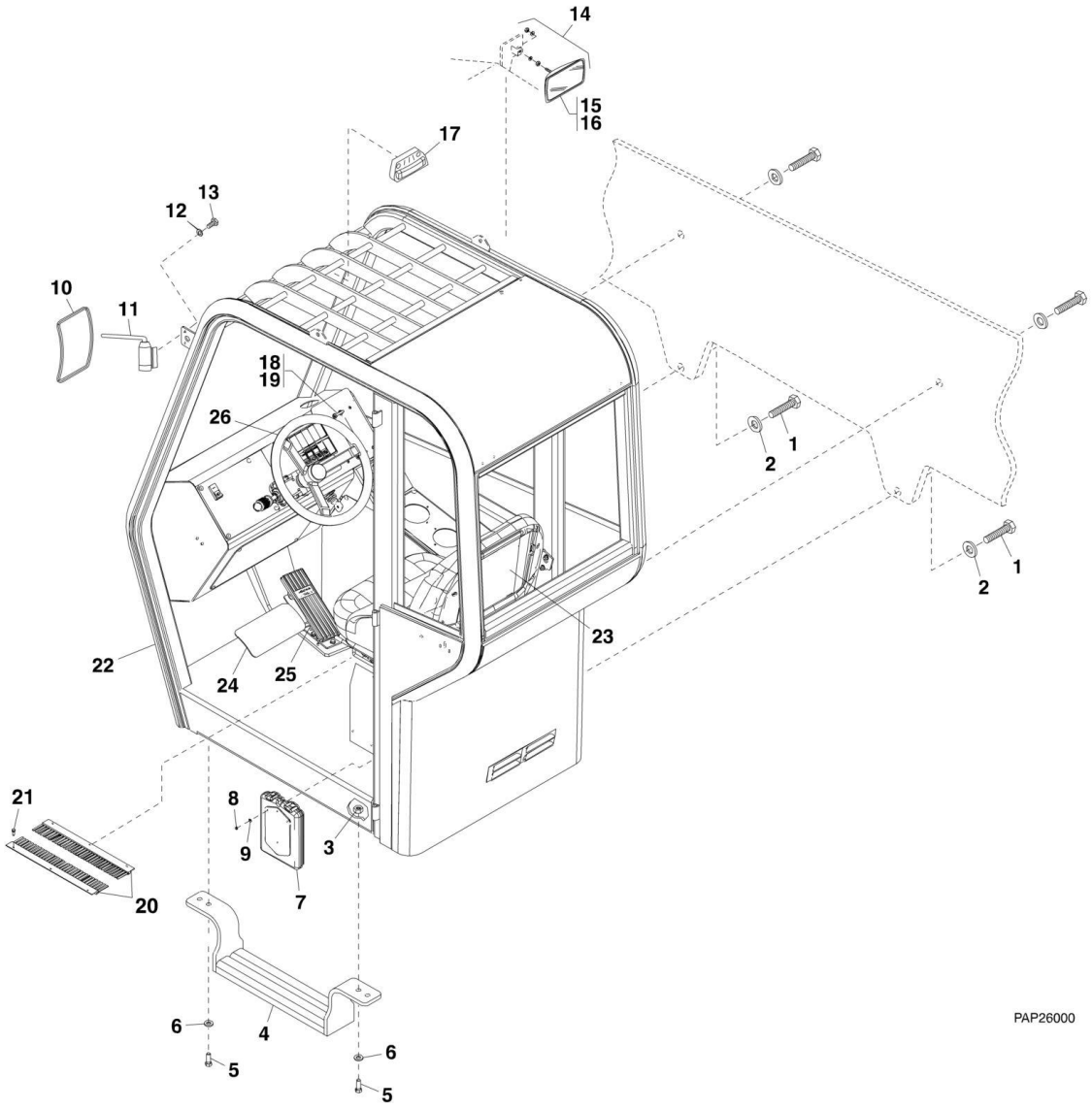


FIGURE 6-1. CAB INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121741	Ref	OPEN CAB INSTALLATION, (not available to order, see items 1 thru 23 for service)	E
	1001121742	Ref	ENCLOSED CAB INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 23 for service)	D
	1001135038	Ref	ENCLOSED CAB INSTALLATION, (if equipped for LS), (not available to order, see items 1 thru 23 for service)	D
1	8310493	4	HEX HD CAPSCREW, 7/8-9X5-1/2, GR8, (torque to 480 lb-ft/650 Nm)	
2	8307011	4	LOCKWASHER, 7/8	
3	8305644	4	LOCKNUT, 1/2-13	
4	1001141427	1	CAB STEP MOUNT	
5	8303626	4	HEX HD CAPSCREW, 1/2-13X1-1/2	
6	8307112	4	FLAT WASHER, 1/2	
7	8990147	1	MANUAL HOLDER	
8	8310085	3	LOCKNUT, 10-24	
9	8307201	3	FLAT WASHER, 10	
10	1001148177	1	RECTANGULAR MIRROR	
11	1001114675	1	MIRROR ARM	
12	8307024	2	LOCKWASHER, M6	
13	0700610	2	HEX HD CAPSCREW, M6-1X20MM	
14	8866348	1	RIGHT MIRROR, (includes mounting hardware)	
15	8866351	1	CONVEX GLASS REPLACEMENT LENS, 6-1/2X10	
16	4791500	1	STAR LOCKWASHER, 5/16	
17	8466306	1	TILT ANGLE GAUGE	
18	1001102844	2	U-BOLT, 1/4-20X2-1/2	
19	8310382	8	FLANGE NUT, 1/4-20	
20	7138944	2	BRUSH STRIP ASSY	
21	8303982	6	SELF TAPPING SCREW, 1/4-20X3/4	
22		Ref	CAB ASSY, (See CAB ASSEMBLY for Breakdown)	
23		Ref	SEAT ASSY, (See OPERATORS SEAT for Breakdown)	
24		Ref	BRAKE ASSY, (See CONTROLS SECTION for Breakdown)	
25		Ref	THROTTLE ASSY, (See CONTROLS SECTION for Breakdown)	
26		Ref	STEERING COLUMN ASSY, (See CONTROLS SECTION for Breakdown)	

FIGURE 6-2. CAB ASSEMBLY

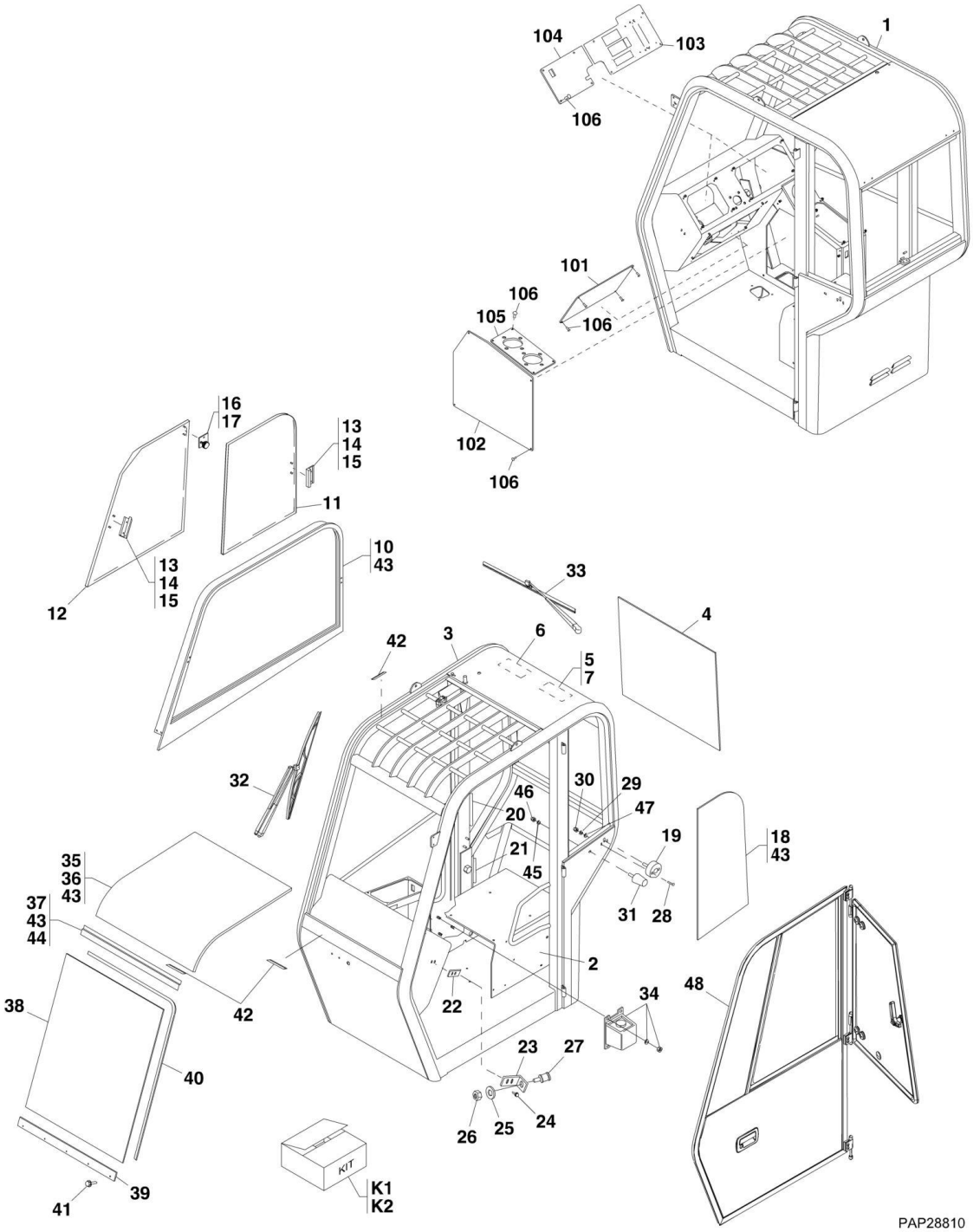


FIGURE 6-2. CAB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001122456	1	ENCLOSED CAB WITH HEATER, (includes all items)	C
1	1001122457	1	OPEN CAB, (includes items 101 thru 106)	C
2		Ref	CAB HEATER ASSY, (See CAB HEATER for Breakdown)	
3	7139050	1	ENCLOSED CAB WITH TOP AND FRONT WIPERS, (less heater), (includes 4 thru 48)	E
4	7028737	1	REAR WINDOW	
5	91404301	1	HAMMER	
6	91404299	1	ESCAPE DECAL	
7	91404298	3	RIVET	
10	8036050	1	RIGHT SIDE SLIDER WINDOW, (includes items 11 thru 17)	
11	8036197	1	REAR SLIDE GLASS	
12	8036196	1	FRONT SLIDE GLASS	
13	Kit	1	CAPSCREW	
14	Kit	1	SPACER	
15	Kit	1	LATCH	
16	Kit	1	LOCK BLOCK	
17	Kit	1	KNOB ASSY	
18	8036073	1	LEFT SIDE REAR GLASS	
19	8036069	1	FEMALE DOOR RETAINER	
20	8036057	1	UPPER WIRE DUCT	
21	8036058	1	LOWER WIRE DUCT	
22	8036059	1	STRIKER NUT PLATE WELDMENT	
23	8036060	1	STRIKER BOLT BRACKET	
24	8035437	2	LOCK SCREW, 1/4-20X3/4	
25	8036061	1	FLAT WASHER, 17/32X1.06X0.094	
26	8035639	1	CENTER LOCKNUT, 7/16-14	
27	1001109478	1	STRIKER LATCH	
28	8035487	2	SCREW, 1/4-20X5/8	
29	8035416	2	LOCKWASHER, 1/4X.49ODX.07	
30	8035479	2	ACORN NUT, 1/4-20	
31	8036066	1	RUBBER CONE BUMPER	
32		Ref	FRONT WINDSHIELD WIPER ASSY, (See WIPERS for Breakdown)	
33		Ref	SKYLIGHT WIPER ASSY, (See WIPERS for Breakdown)	
34		Ref	RESERVOIR WITH MOTOR, (See WIPERS for Breakdown)	
35	7139444	1	WINDSHIELD SKYLIGHT KIT, (includes items 36 thru 43)	
36	7138958	1	SKYLIGHT GLASS	
37	7139316	1	UPPER WINDSHIELD CLIP	
38	7138951	1	WINDSHIELD GLASS	
39	7139298	1	LOWER WINDSHIELD PLATE	
40	7139299	1	BULB SEAL, 0.22X0.35X14-3/4	
41	8310529	5	SELF TAPPING SCREW, #10-16X3/4	
42	8035490	8	SETTING BLOCKS	
43	8035523	AR	URETHANE SEALANT, (apply to items 10, 18, 36 & 37)	
44	7139301	AR	FOAM	
45	0835416	1	WASHER, 0.32 IDX0.57 ODX0.09	
46	8035479	1	ACORN NUT, 1/4-20	
47	8035416	2	LOCKWASHER, 1/4X0.49 ODX0.07	
48		Ref	DOOR ASSY, (See CAB DOOR ASSEMBLY for Breakdown)	
101	7302074	1	LOWER CONSOLE PANEL	

SECTION 6 - CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
102	7302073	1	RIGHT SIDE CONSOLE ACCESS PANEL	
103	1001129610	1	RIGHT FRONT CONSOLE PANEL	
104	7302076	1	LEFT FRONT CONSOLE PANEL	
105	7302077	1	SIDE CONSOLE PANEL	
106	8303034	20	TRUSS HD TORX SCREW, 1/4-20X3/4	
K1	80384445	1	LATCH ASSY KIT (with Latch & Slider - Worthington Windows) (Includes Items 13-17)	
K1	8036199	1	LATCH ASSY KIT (withTwo Latches - Young Windows) (Includes Items 13-17)	
K2	8036198	1	FRICTION LOCK ASSY KIT, (includes items 16 & 17)	

FIGURE 6-3. CAB DOOR ASSEMBLY (Prior to SN 0160050422, Excluding 0160050419)

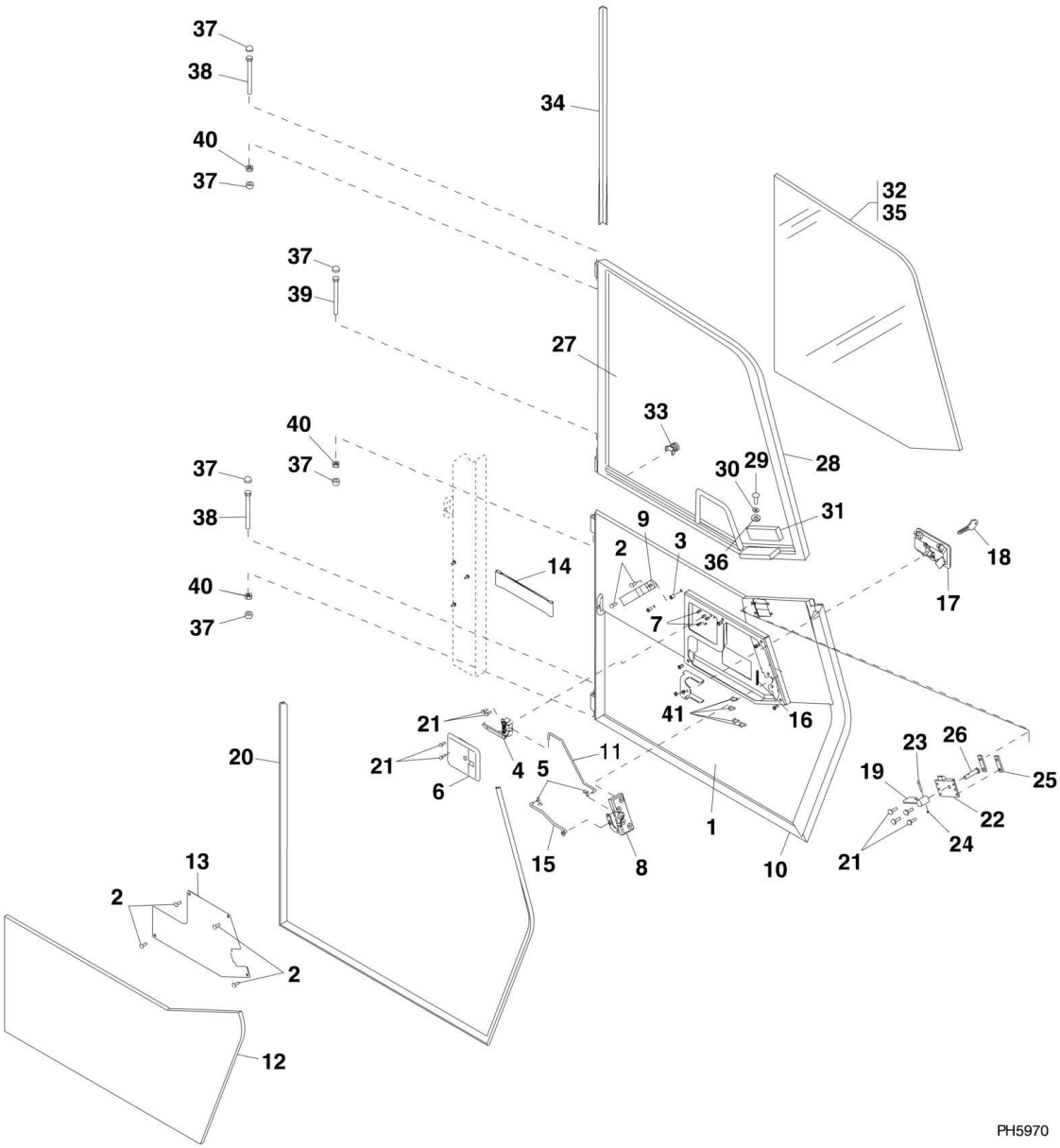


FIGURE 6-3. CAB DOOR ASSEMBLY (Prior to SN 0160050422, Excluding 0160050419)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001109007	1	LOWER DOOR ASSY, (uses round key), (includes items 2 thru 26 & item 40)	B
2	8033856	6	TORX SCREW, 1/4-20	
3	1001103509	6	HEX RIVNUT, 1/4-20	
4	80384192	1	INNER DOOR HANDLE	
5	80384187	2	ROD END RETAINING CLIP	
6	80384193	1	INSIDE DOOR BEZEL	
7	8036085	4	HEX RIVNUT, #10-24	
8	8035439	1	ROTARY LATCH	
9	91344032	1	INSIDE CAB HANDLE	
10	8036090	1	LOWER DOOR WELDMENT	
11	8036093	1	INTERIOR LATCH LINKAGE	
12	8036094	1	LOWER DOOR FOAM	
13	8036095	1	LATCH BOX ACCESS PLATE	
14	8036096	1	DOOR RESTRAINT STRAP	
15	8036097	1	EXTERIOR LATCH LINKAGE WELDMENT	
16	8036098	1	EXTENSION SPRING, 0.219X1-1/2X0.023	
17	1001105892	1	PADDLE LATCH, (uses rounded key), (includes item 18)	A
18	70021948	1	ROUND KEY	
19	91404315	1	DOOR LEVER RELEASE	
20	8036076	1	BULB SEAL, 15.5MMX10, (cut to fit)	
21	8036088	8	SCREW, #10-24X3/4	
22	91404319	1	SLAM LATCH	
23	91404317	1	SCREW, #8-32X1-1/8	
24	91404318	1	NYLON LOCKNUT, #8-32	
25	8036091	2	SLAM LATCH SPACER	
26	8036092	1	SLAM LATCH SHAFT WELDMENT	
27	1001109406	1	UPPER DOOR ASSY, (includes items 28 thru 36)	B
28	8036077	1	UPPER DOOR WELDMENT	
29	8036105	2	TORX SCREW, 1/4-20	
30	8035416	2	WASHER, 1/4 IDX0.49 OD	
31	8036078	1	SLAM LATCH STRIKER	
32	8036079	1	LEFT SIDE DOOR GLASS	
33	8036080	1	RETAINER	
34	8036076	1	BULB SEAL, 15.5MMX10, (cut to fit)	
35	8035523	AR	URETHANE SEALANT, (apply to item 32)	
36	70020628	2	WASHER	
37	8036065	6	HEX DOME CAP	
38	8035631	2	BOLT, 3/8-16X4-1/2	
39	8036064	1	BOLT, 3/8-16X6-1/2	
40	8035632	3	HEX NUT, 3/8-16	
41	80264074	4	BOLT, 1/4-20X3/4	

FIGURE 6-4. CAB DOOR ASSEMBLY (SN 0160050422 to Present, Including 0160050419)

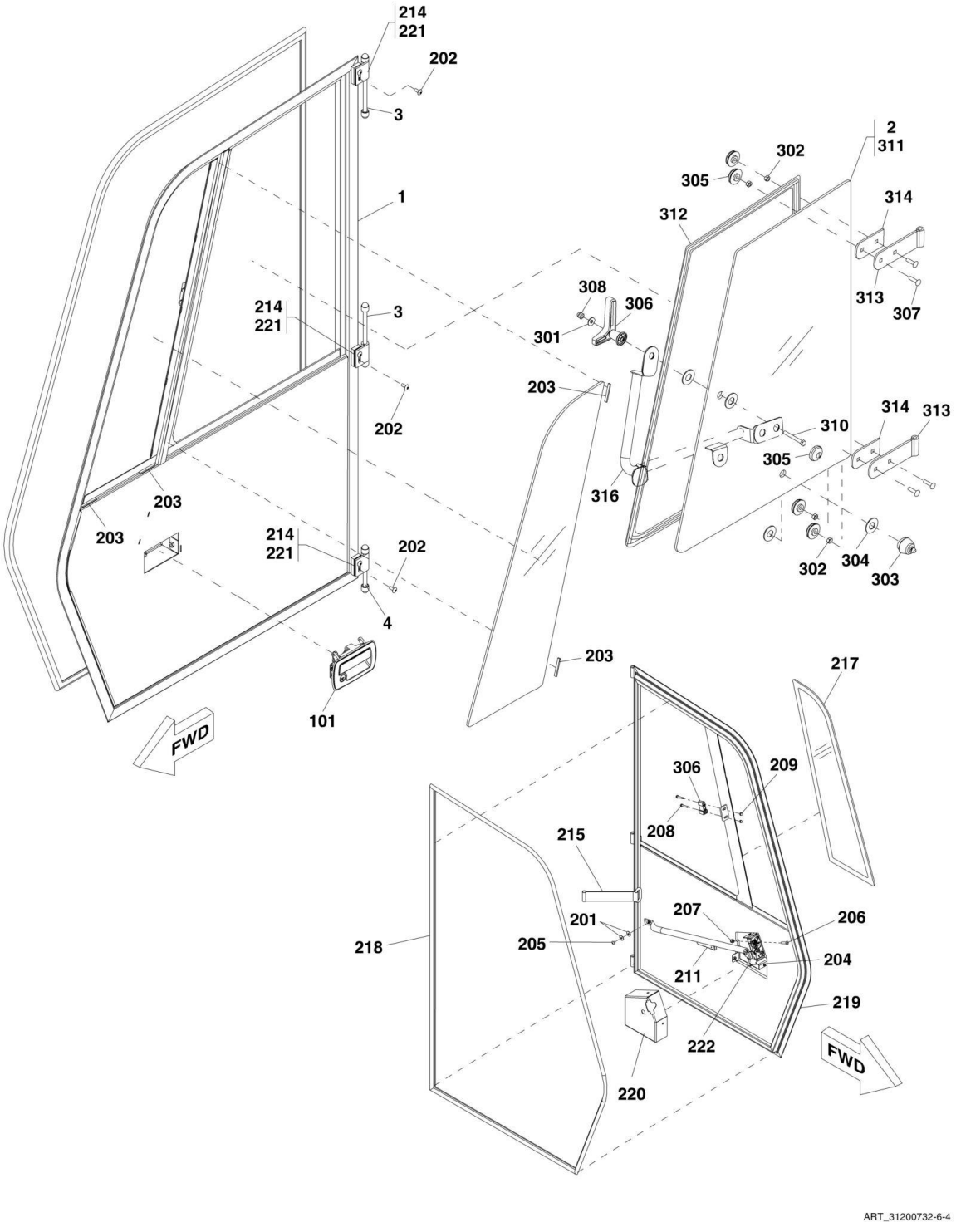


FIGURE 6-4. CAB DOOR ASSEMBLY (SN 0160050422 to Present, Including 0160050419)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001145035	1	CAB DOOR ASSEMBLY, (includes items 1 & 2)	A
1	1001150229	1	CAB DOOR, (includes item 101 & items 201 thru 222)	A
2	1001150233	1	CAB DOOR WINDOW, (includes items 301 thru 316)	C
3	0641652	2	BOLT	
4	0641636	1	BOLT	
101	1001081241	1	CAB DOOR HANDLE	
201	8034800	2	FLAT WASHER	
202	80264045	9	TRUSS HD SCREW	
203	1001181968	7	MOULD,SETTING BLOCK	
204	1001183104	2	RETAINER, FASTENER	
205	70021108	1	BOLT	
206	70021077	2	BOLT	
207	70021078	2	HEX NUT	
208	70021079	2	BOLT	
209	70021082	2	NUT, M6X1	
211	1001081247	1	CAM LATCH, LH	
213	70021948	2	CAB KEY, (not shown)	
214	1001183209	3	HINGE,FLAG SLOTTED	
215	8036096	1	DOOR RESTRAINT STRAP	
217	70024900	1	DOOR GLASS	
218	1001182408	1	SEAL,DOOR	
219		Ref	DOOR FOAM	
220		Ref	LATCH COVER	
221	1001182135	6	SHIM,DOOR HINGE	
222	1001182514	1	LINK,EXTERIOR LATCH	
301	80364037	1	WASHER	
302	70021096	4	HEX NUT	
303	91474492	1	MALE DOOR HOLD OPEN	
304	70021090	3	SEAL	
305	1001081246	5	WINDOW CAP	
306	1001081244	1	HANDLE LEVER LATCH, (includes pivot lever, lever handle and latch block)	
307	70021092	4	CARRIAGE BOLT	
308	70021093	1	LOCKNUT	
310	70021095	1	HEX BOLT	
311	70024608	1	HINGED DOOR GLASS	
312	70024954	1	HINGED GLASS SEAL	
313	1001081242	2	DUAL MOUNT HINGE	
314	1001081266	2	HINGE SPACER	
315	1001177746	1	URETHANE, (not shown)	
316	1001174264	1	GRAB BAR	

FIGURE 6-5. SOFT CAB ENCLOSURE

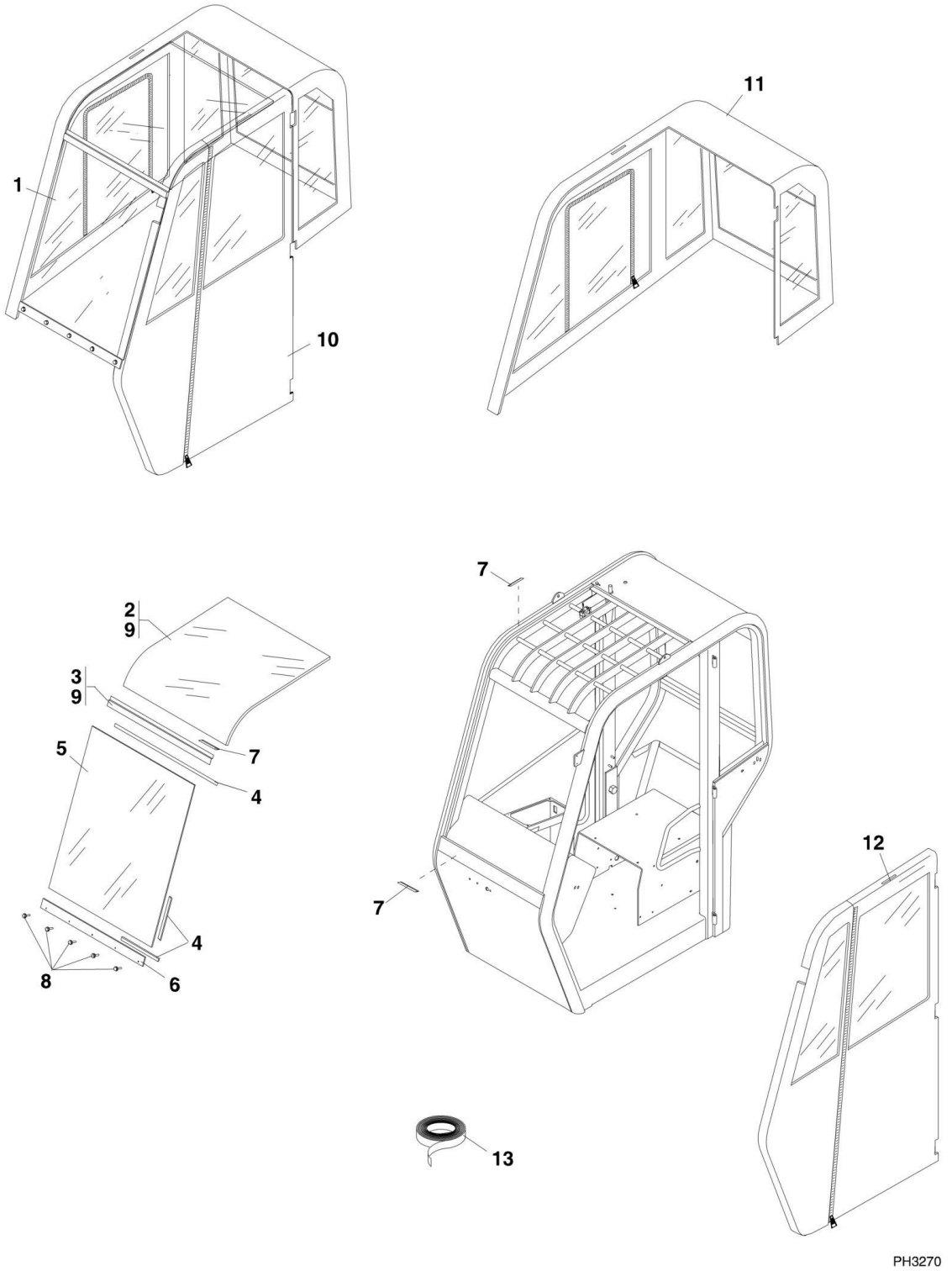


FIGURE 6-5. SOFT CAB ENCLOSURE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7139250	1	SOFT CAB ENCLOSURE KIT, (includes all items)	A,C
1	7139444	1	WINDSHIELD SKYLIGHT KIT, (includes items 2 thru 9)	
2	7138958	1	SKYLIGHT GLASS	
3	7139316	1	UPPER WINDSHIELD CLIP	
4	7139299	1	BLACK BULB SEAL, .22X.35X14.75	
5	7138951	1	WINDSHIELD GLASS	
6	7139298	1	LOWER WINDSHIELD PLATE	
7	8035490	8	SETTING BLOCK, 1/8X1/4X2	
8	8310529	5	SELF TAPPING SCREW, #10-16X3/4	
9	8035523	1	URETHANE SEALANT, (apply to items 2 & 3)	
10	7139290	1	SOFT CAB ENCLOSURE KIT, (includes items 11, 12 & 13)	
11	7139293	1	SOFT REAR SECTION	
12	7139292	1	SOFT DOOR SECTION	
13	7139294	1	VELCRO KIT	
13	7139295	1	VELCRO BRAND HOOK STRIP 1-1/2X10, ORANGE, (not shown)	
13	7139296	3	VELCRO BRAND HOOK STRIP 2X10, ORANGE, (not shown)	

FIGURE 6-6. WIPERS

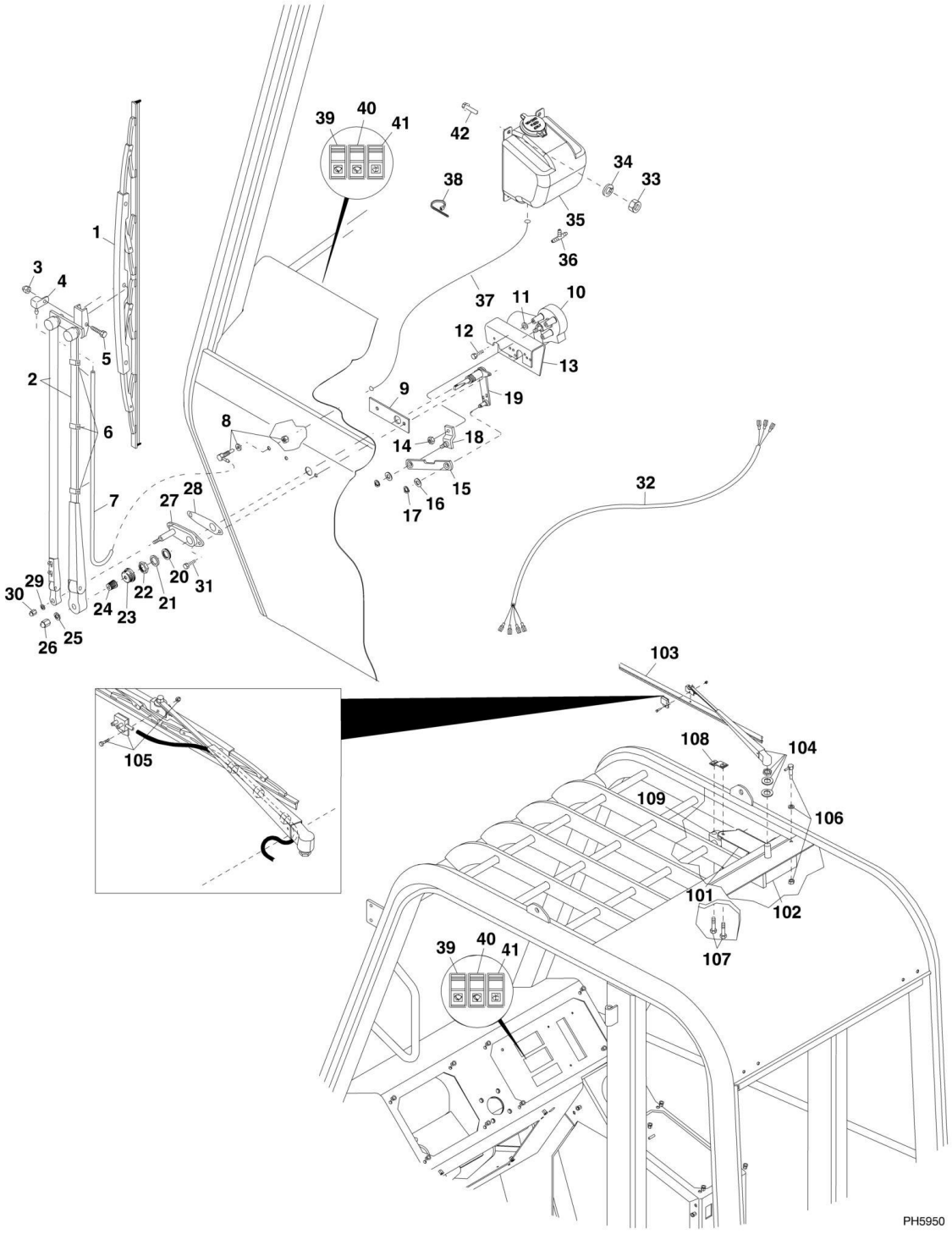


FIGURE 6-6. WIPERS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8036056	1	FRONT WINDSHIELD WIPER ASSY, (includes items 1 thru 31)	
1	8035392	1	28 IN WIPER FLEX BLADE	
2	8035393	1	24 IN FLEX WIPER ARM ASSY, (includes items 3 thru 7)	
3	N.S.S.	1	LOCKNUT	
4	N.S.S.	1	SPRAYER NOZZLE	
5	N.S.S.	1	BOLT	
6	N.S.S.	3	HOSE CLIPS	
7	N.S.S.	1	HOSE	
8	1001081310	1	WET ARM ADAPTOR	
9	8036100	1	FRONT WIPER MOTOR SPACER	
10	7029860	1	WIPER MOTOR ASSY, (includes items 11 thru 17)	
11	N.S.S.	3	FLAT WASHER, 5/16	
12	N.S.S.	3	HEX HD CAPSCREW, 1/4-28X1	
13	N.S.S.	1	WIPER MOTOR BRACKET	
14	N.S.S.	1	NUT	
15	8035409	1	CONNECTING LINK	
16	N.S.S.	2	FLAT WASHER, 0.560X.251X.015	
17	N.S.S.	2	SPRING CLIP	
18	8035411	1	WIPER ARM DRIVE	
19	8036099	1	WIPER SHAFT AND PIVOT ASSY, (includes items 20 thru 26)	
20	N.S.S.	1	RUBBER WASHER	
21	N.S.S.	1	METAL WASHER	
22	N.S.S.	1	HEX JAM NUT, 11/16-18	
23	N.S.S.	1	RUBBER CAP	
24	N.S.S.	1	KNURLED DRIVER	
25	N.S.S.	1	LOCKWASHER, 3/8, (internal tooth)	
26	N.S.S.	1	ACORN NUT, 1/4-28	
27	8034815	1	PANTO ADAPTER ASSY, (includes items 28 thru 30)	
28	N.S.S.	1	GASKET	
29	N.S.S.	1	LOCKWASHER,1/4, (internal tooth)	
30	N.S.S.	1	ACORN NUT, 1/4-28	
31	80384207	2	HEX HD CAPSCREW, 1/4-28X3/4	
32	8036070	1	WIPER HARNESS	
33	8035479	3	NUT, 1/4-20	
34	8035416	3	LOCKWASHER, 1/4	
35	1001111112	1	RESERVOIR	
35	70025480	1	Pump, Reservoir	
36	8036072	1	WASHER HOSE CONNECTOR TEE	
37	8033075	1	WASHER HOSE, 120	
38	8584001	AR	TIE WRAP	
39		Ref	FRONT WINDSHIELD WIPER SWITCH, (See ELECTRICAL SECTION for Breakdown)	
40		Ref	SKYLIGHT WINDSHIELD WIPER SWITCH, (See ELECTRICAL SECTION for Breakdown)	
41		Ref	WINDSHIELD WASHER SWITCH, (See ELECTRICAL SECTION for Breakdown)	
42	80264045	3	SCREW, 1/4-20X5/8	
	8036049	1	SKYLIGHT WIPER ASSY, (includes items 101 thru 109)	
101	8035492	1	SKYLIGHT WIPER MOTOR	
102	8035493	1	WIPER MOTOR COVER	

SECTION 6 - CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
103	8035498	1	WIPER BLADE	
104	8035500	1	WIPER ARM	
105	8035499	1	WET KIT	
106	1001081310	1	WET ARM ADAPTER	
107	8036102	2	MACHINE SCREW, #10-24X1-1/2	
108	8035496	1	PLASTIC CLAMP BLOCK	
109	8036103	1	WIPER MOUNT WELDMENT	

FIGURE 6-7. OPERATORS SEAT

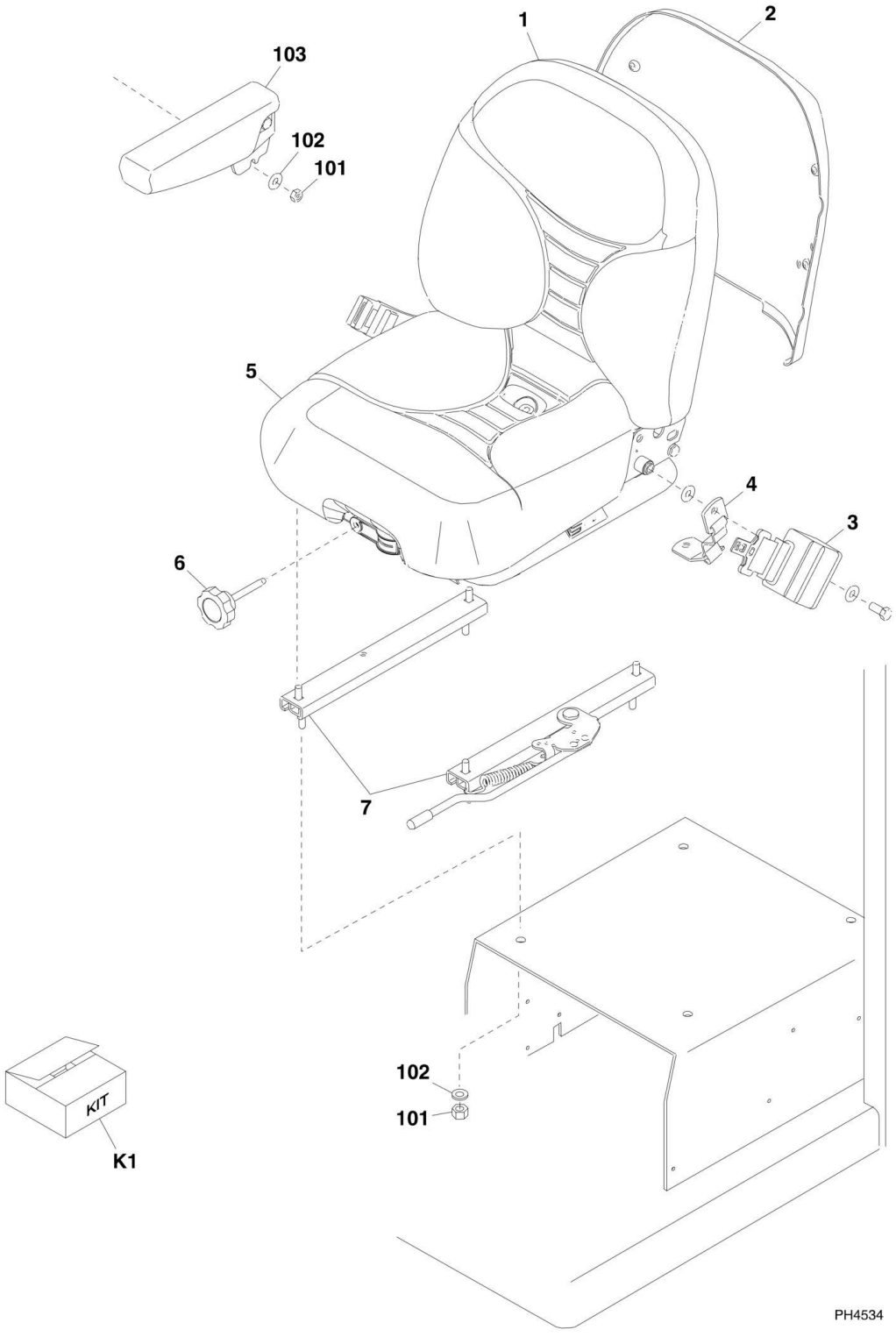


FIGURE 6-7. OPERATORS SEAT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001101085	1	SUSPENSION SEAT, (includes items 1 thru 7)	C
1	7026900	1	BACK CUSHION KIT	
2	70023558	1	BACK PANEL KIT	
3	7026905	1	SEAT BELT KIT	
3	91565064	1	SEAT BELT, 3IN (California Only), (not included with 1001101085)	
4	7026906	1	TETHER KIT	
5	7026901	1	SEAT CUSHION KIT	
6	7026799	1	KNOB KIT	
7	7026798	1	SLIDE KIT	
8	70023040	1	SHOCK ABSORBER KIT, (not shown), (includes one shock absorber, two shock pins and hex nuts)	
9	70023041	1	SPRING AND SADDLE KIT, (not shown)	
10	70023890	1	BOOT KIT, (not shown)	
101	8305626	6	HEX LOCKNUT, 5/16-18	
102	8307106	6	PLAIN WASHER, 5/16	
103	7138858	1	ARM REST	
K1	70023139	1	SEAT BELT KIT, 3 IN, (includes female and retractor ends)	

FIGURE 6-8. CAB HEATER

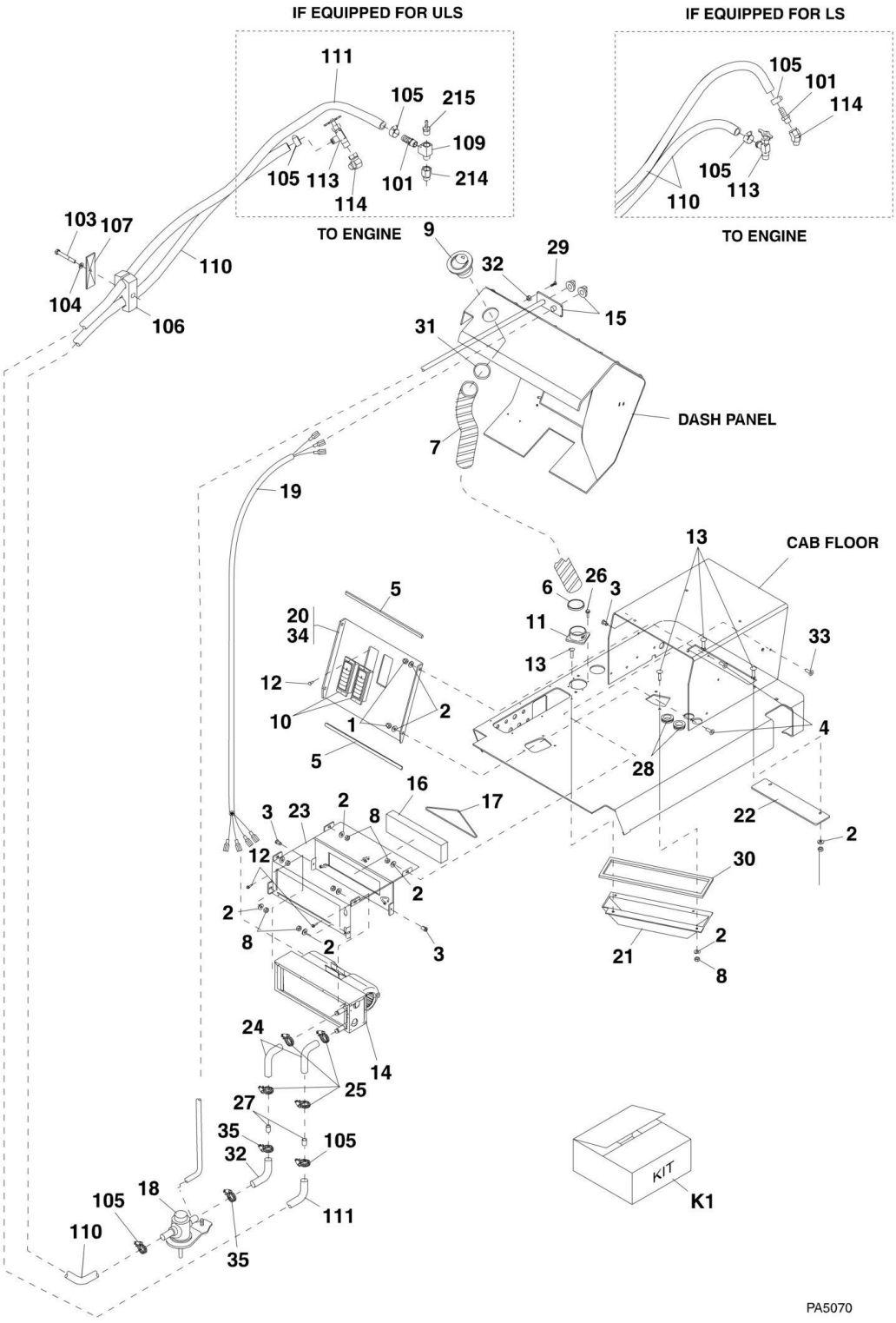


FIGURE 6-8. CAB HEATER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001125837	1	CAB HEATER KIT, (includes items 1 thru 34)	B
1	8035479	4	ACORN NUT, 1/4-20	
2	8035416	14	LOCKWASHER, 1/4 IDX0.49 OD	
3	1001103509	4	HEX PILOT RIVNUT, 1/4-20X.305	
4	91344043	4	BOLT, 1/4-20X0.625	
5	80364020	2	SLOT EDGE TRIM, 2.69	
6	8035406	2	WIDE NYLON TIE	
7	8036110	1	HOSE ASSY	
8	8035417	12	HEX NUT, 1/4-20, GR5	
9	8035402	1	4 IN ROUND LOUVER, WITH 2-1/2 COLLAR	
10	8035668	2	RECTANGULAR LOUVER, 49MMX121MM	
11	8035431	1	HOSE ADAPTER, 2-1/2	
12	1001081073	8	PAN HEAD SELF TAPPING SCREW, #8-15X1/2	
13	8036112	6	CARRIAGE BOLT, 1/4-20X1	
14	1001125774	1	HEATER	B
15	8036114	1	PANEL/CABLE HEATER CONTROL	
15	8036388	2	POSITIONING KNOB, (includes set screw and brass insert)	
16	1001081375	1	AIR FILTER	
17	1001081376	1	RUBBER O-RING	
18	1001081045	1	HEATER WATER VALVE	
19	8036118	1	HEATER WIRE HARNESS	
20	8036119	1	HEATER LOUVER PANEL	
21	8036120	1	HEATER DUCT	
22	8036121	1	FILTER ACCESS PLATE	
23	8036122	1	HEATER MOUNT WELDMENT	
24	8036124	2	RUBBER HOSE, 90	
25	8410009	4	CLAMP, WORM GEAR	
26	91404298	4	POP RIVET	
27	1001081046	2	COPPER SPLICE, 5/8 HEATER HOSE	
28	1001081049	2	SPLIT RUBBER GROMMET	
29	8036128	4	SCREW, #6-32X1/2	
30	8035599	1	FOAM, 0.25X.5X1	
31	8405202	1	CLAMP	
32	8036129	4	NYLOCK NUT, #6-32	
33	8033856	8	SCREW, 1/4-20X3/4	
34	7139301	2	FOAM, 1/16X1/2X28	
	1001122289	Ref	CAB HEATER HOSE INSTALLATION, (if equipped for ULS), (not available to order, see items 101 thru 114 for service)	C
	1001100221	Ref	CAB HEATER HOSE INSTALLATION, (if equipped for LS), (not available to order, see items 101 thru 114 for service)	E
101	2180535	1	HOSE BARB FITTING	
103	8303757	1	HEX HD CAPSCREW, 5/16-18X2-1/2, GR5	
104	8307004	1	LOCKWASHER, 5/16	
105	8405007	4	GEAR CLAMP, 1.25 DIA MAX	
106	8750024	1	CLAMP SET	
107	8750025	1	COVER PLATE	
109	86983651	1	STREET TEE, 3/8X3/8, (if equipped for ULS)	
110	1001100225	1	CAB HEATER HOSE, (if equipped for ULS)	
110	1001100225	2	CAB HEATER HOSE, (if equipped for LS)	
111	1001122559	1	CAB HEATER HOSE, (if equipped for ULS)	

SECTION 6 - CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
113	8360005	1	SHUT OFF VALVE	
114	1001133874	1	ELBOW, 90, (if equipped for ULS)	
114	1001120819	1	ELBOW, 90, (if equipped for LS)	
214		Ref	STRAIGHT ADAPTER, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
215		Ref	HOSE BARB COUPLING, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	
K1	7148100	1	FIELD INSTALLATION HEATER KIT, (includes items 1 thru 34, 101, 103 thru 107, 110 and item 113)	

FIGURE 6-9. REAR DROPOUT WINDOW INSTALLATION

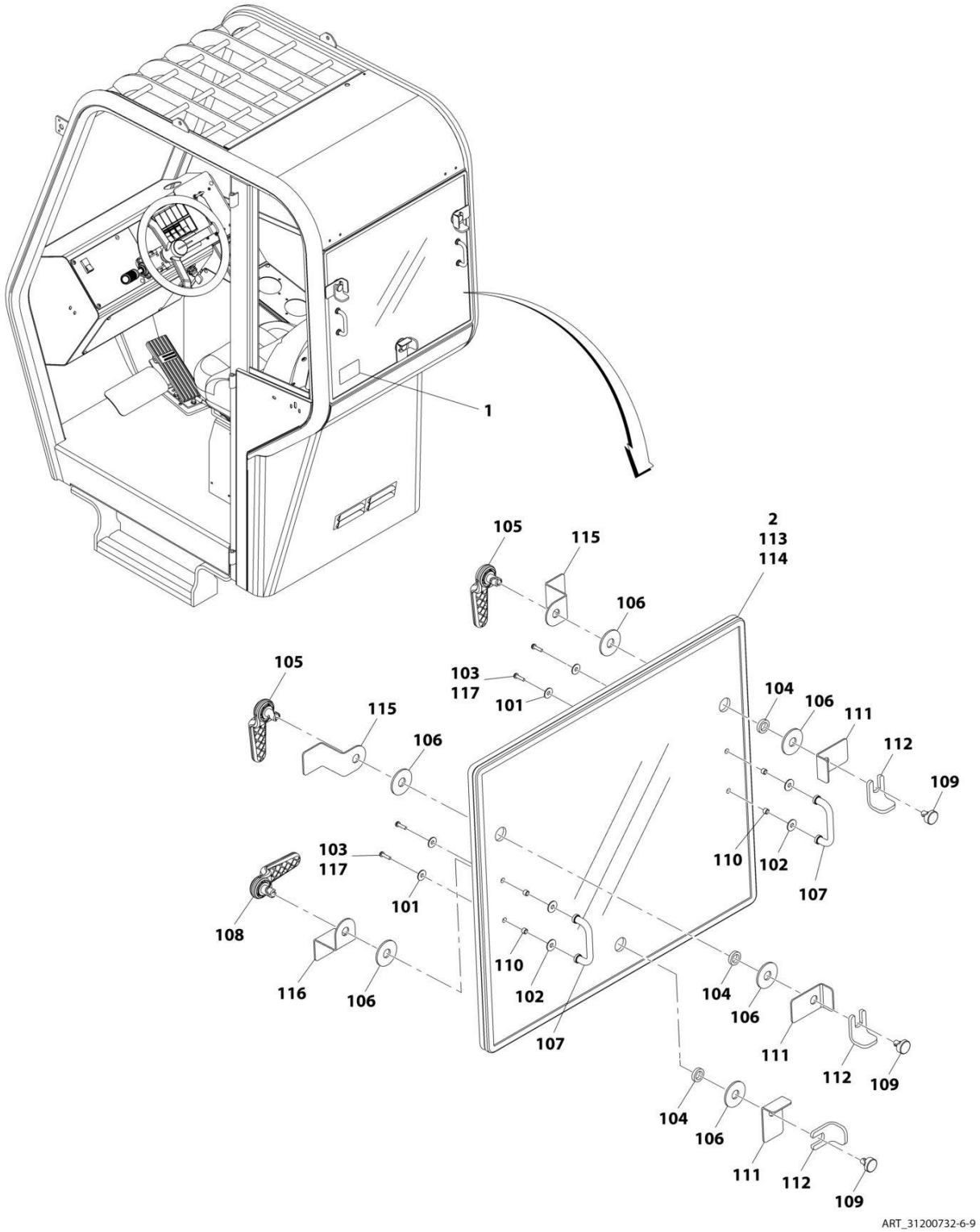


FIGURE 6-9. REAR DROPOUT WINDOW INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162806	Ref	REAR DROPOUT WINDOW INSTALLATION, (ANSI)	A
	1001167250	Ref	REAR DROPOUT WINDOW INSTALLATION,(ENGLISH/FRENCH)	A
	1001167251	Ref	REAR DROPOUT WINDOW INSTALLATION, (ISO)	A
1	1001160071	2	DECAL, REAR EMERGENCY EXIT, (ANSI)	
1	1001160787	2	DECAL, REAR EMERGENCY EXIT, (ENGLISH/FRENCH)	
1	1001160912	2	DECAL, REAR EMERGENCY EXIT, (ISO)	
2	1001162804	1	WINDOW, REAR DROPOUT, (includes items 101 thru 117)	
101	4740553	4	WASHER	
102	8034800	4	WASHER, FLAT	
103	70025901	4	BOLT	
104	70025902	3	WASHER	
105	70025903	2	TURN HANDLE	
106	70025904	6	WASHER	
107	1001162829	2	GRAB HANDLE	
108	70025906	1	TURN HANDLE	
109	70025907	3	RECEPTACLE	
110	N.S.S.	4	SLEEVE	
111	70025911	3	CATCH, OUTSIDE WINDOW	
112	70025912	3	RETAINER CLIP	
113	70026463	1	SEAL	
114	70026464	1	REAR DROP OUT GLASS	
115	70026465	2	CATCH, INSIDE WINDOW	
116	70026466	1	LOWER CATCH, INSIDE WINDOW	
117	91344046	1	ADHESIVE SEALANT	

SECTION 7 - CONTROLS

FIGURE 7-1. BRAKE

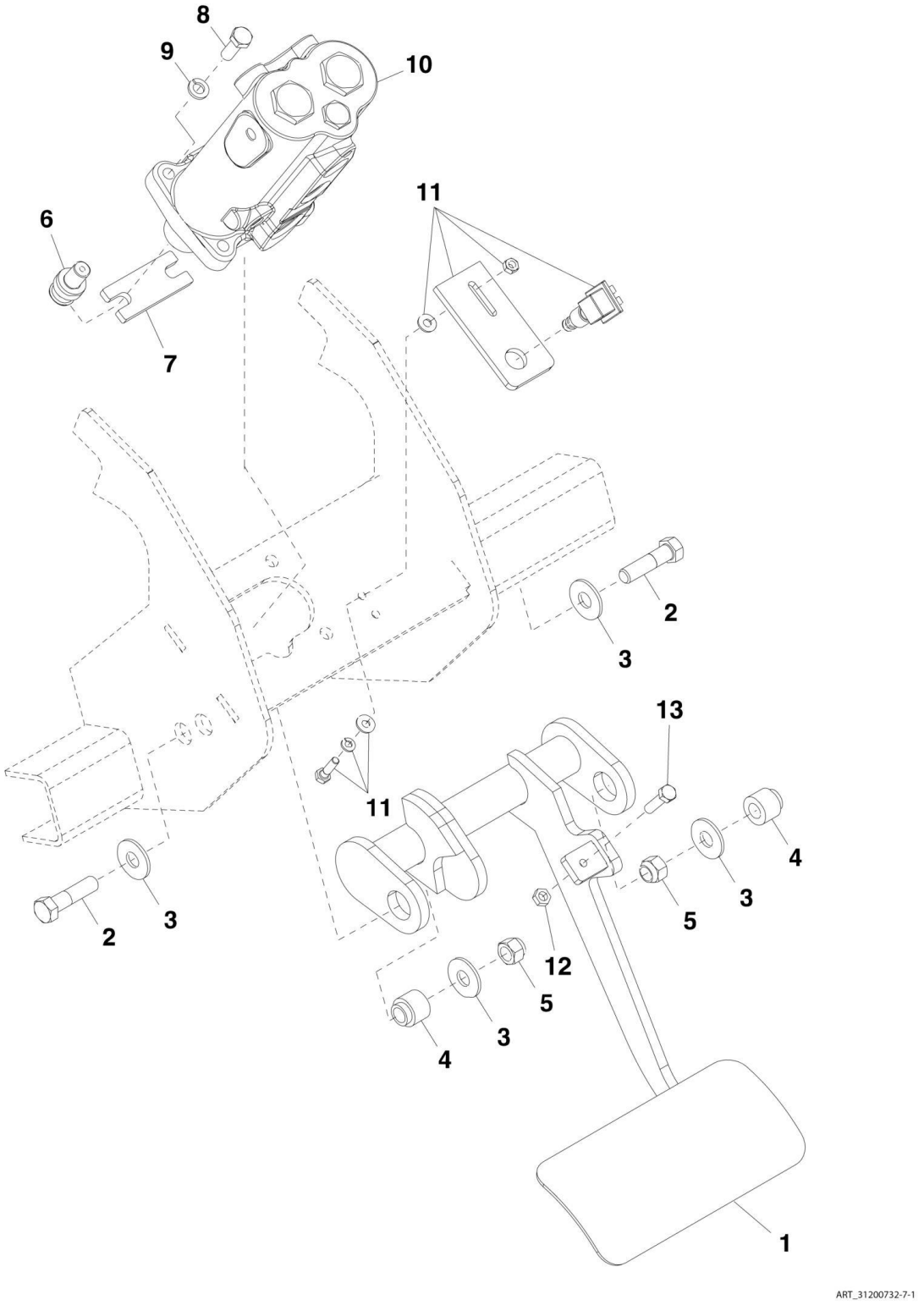


FIGURE 7-1. BRAKE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001103113	1	BRAKE PEDAL **(Prior to SN 0160054302)**	
1	1001143305	1	BRAKE PEDAL **(SN 0160054302 to Present)**	
2	8303658	2	HEX HD CAPSCREW, 1/2-13X2, GR5	
3	8307206	4	FLAT WASHER, 1/2	
4	7129521	2	BRAKE PEDAL PIVOT	
5	8305644	2	HEX LOCKNUT, 1/2-13	
6	91513180	2	ACTUATOR	
7	91511145	1	TIE BAR	
8	8303755	4	HEX HD CAPSCREW, M10X30mm, GR8.8	
9	8307023	4	LOCK WASHER, M10	
10		Ref	BRAKE VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
11		Ref	MOMENTARY BRAKE LIGHT SWITCH, (See ELECTRICAL SECTION for Breakdown)	
12	3311502	1	NUT, 5/16-18 **(SN 0160054302 to Present)**	
13	8303739	1	HEX HD CAPSCREW, 5/16-18X1-1/4 **(SN 0160054302 to Present)**	

FIGURE 7-2. ACCELERATOR

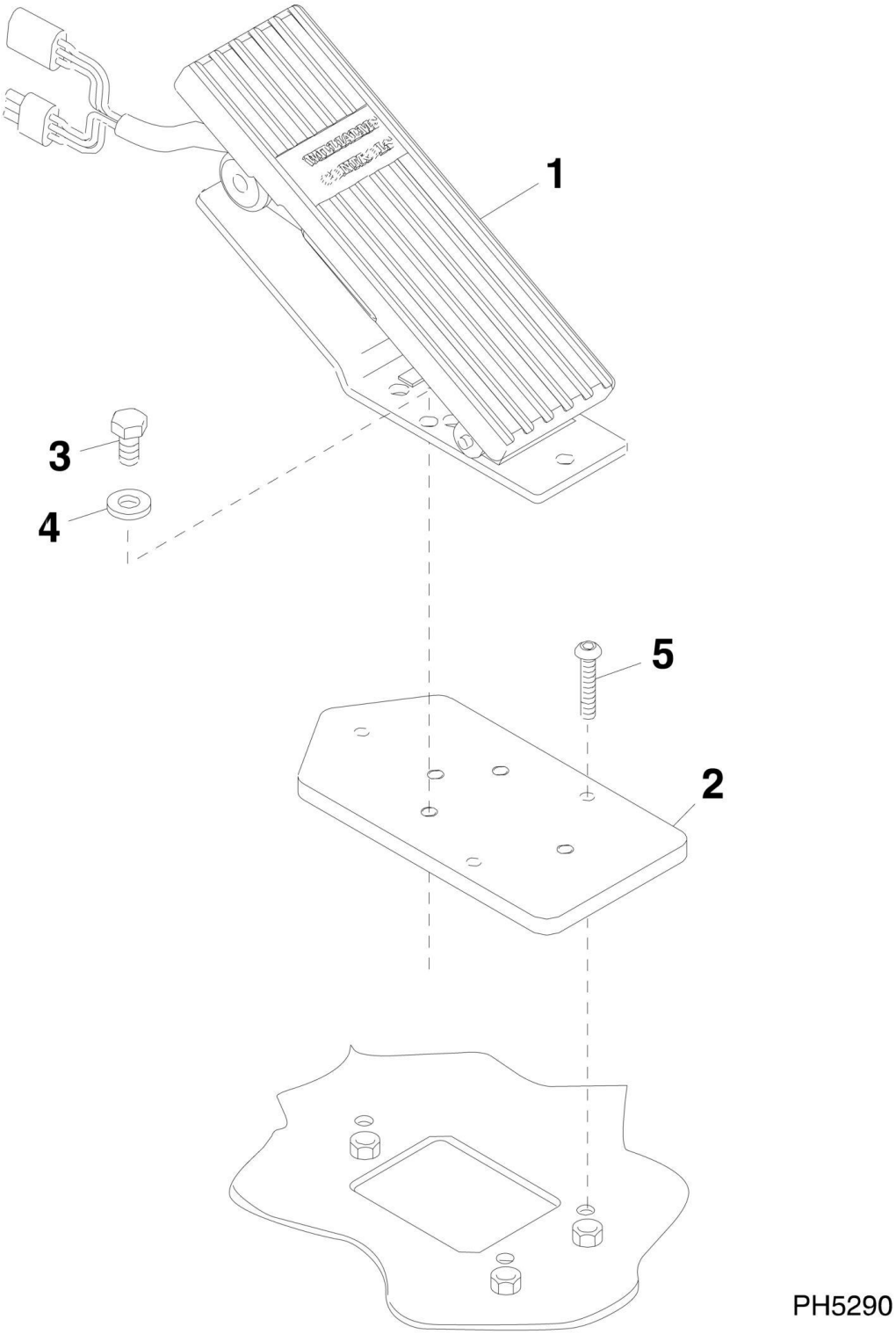


FIGURE 7-2. ACCELERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001129813	1	THROTTLE PEDAL ADAPTOR ASSY, (includes items 1 thru 5)	A
1	1001129870	1	THROTTLE PEDAL, (accelerator)	
2	3576442	1	THROTTLE ADAPTOR PLATE	
3	8303745	4	HEX HD CAPSCREW, 5/16-18X5/8, GR5	
4	8307106	4	PLAIN WASHER, 5/16	
5	8310725	3	BUTTON HEAD CAPSCREW, 1/4-20X1-1/4	

FIGURE 7-3. STEERING COLUMN

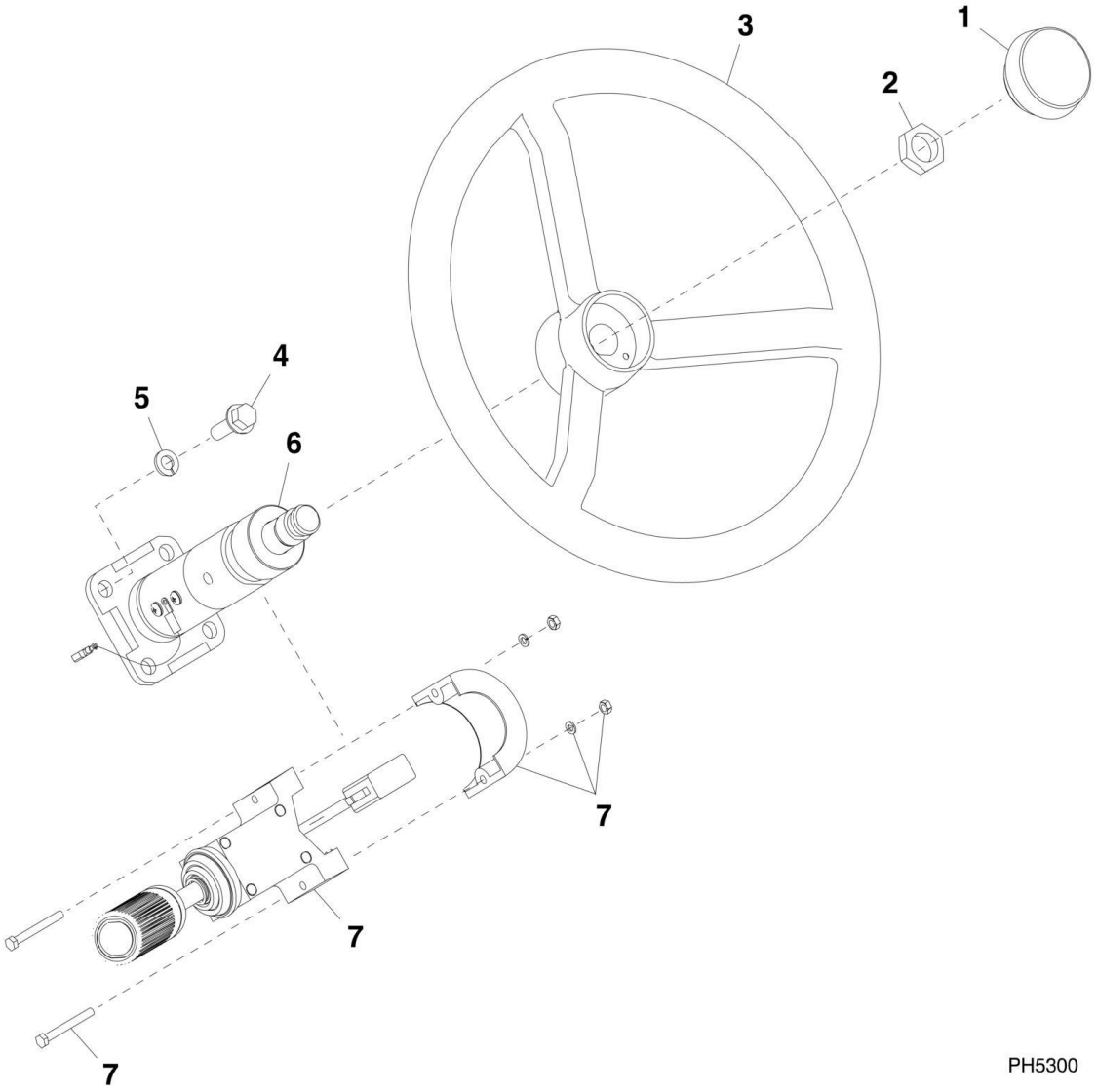


FIGURE 7-3. STEERING COLUMN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7138878	1	STEERING WHEEL CAP WITH HORN SWITCH	
2	8305916	1	STEERING COLUMN NUT, (torque to 50 lb-ft/68 Nm)	
3	7138836	1	STEERING WHEEL	
4	8303534	4	FLANGE HD CAPSCREW, #10-16X1-1/4, (torque to 13 lb-ft/18 Nm)	
5	8307005	4	LOCKWASHER, 3/8	
6	7138833	1	STEERING COLUMN	
6	7029367	1	HORN BRUSH KIT	
7	1600429	1	TRANSMISSION RANGE SELECTOR SHIFTER, (includes mounting hardware), (torque to 25 in-lb/2.8 Nm)	

FIGURE 7-4. BOOM CONTROL

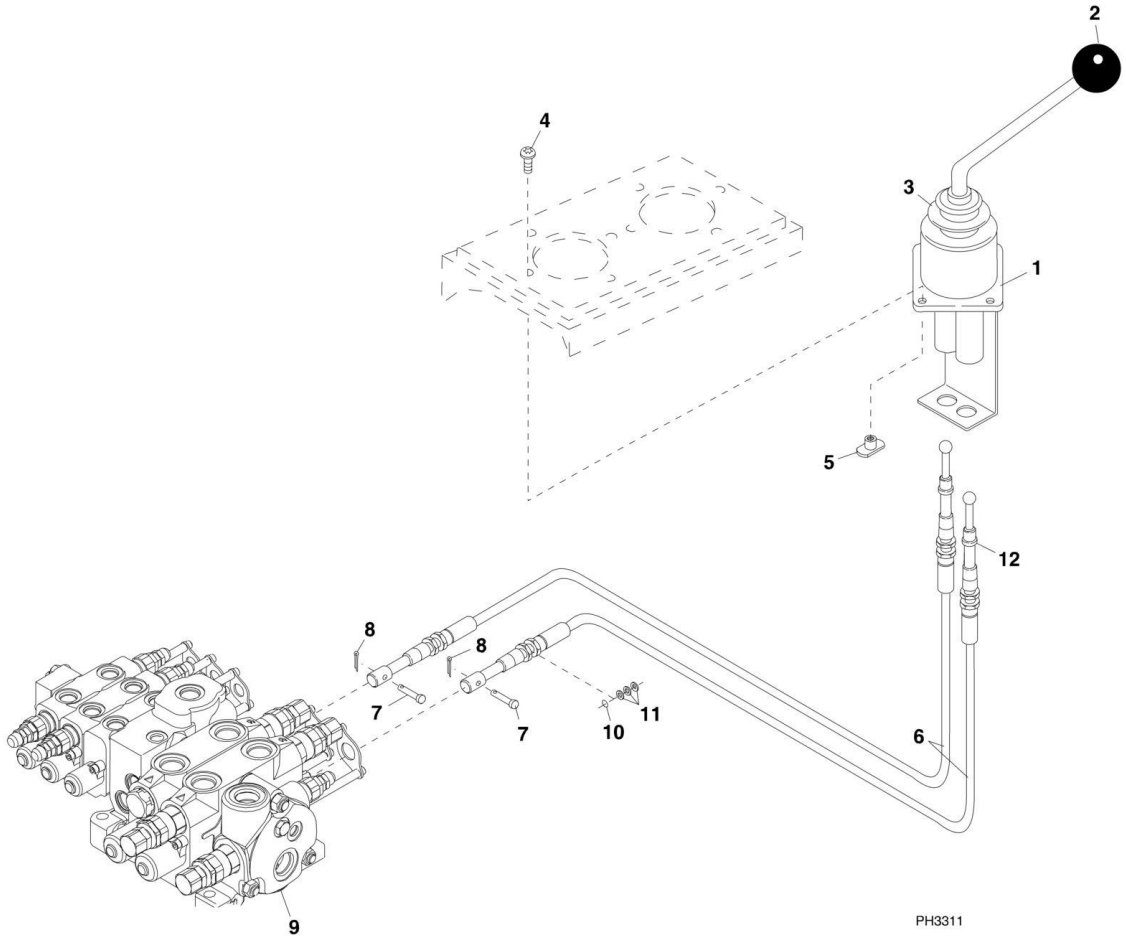


FIGURE 7-4. BOOM CONTROL

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

FIGURE 7-5. FRAME LEVEL AND ATTACHMENT TILT CONTROL

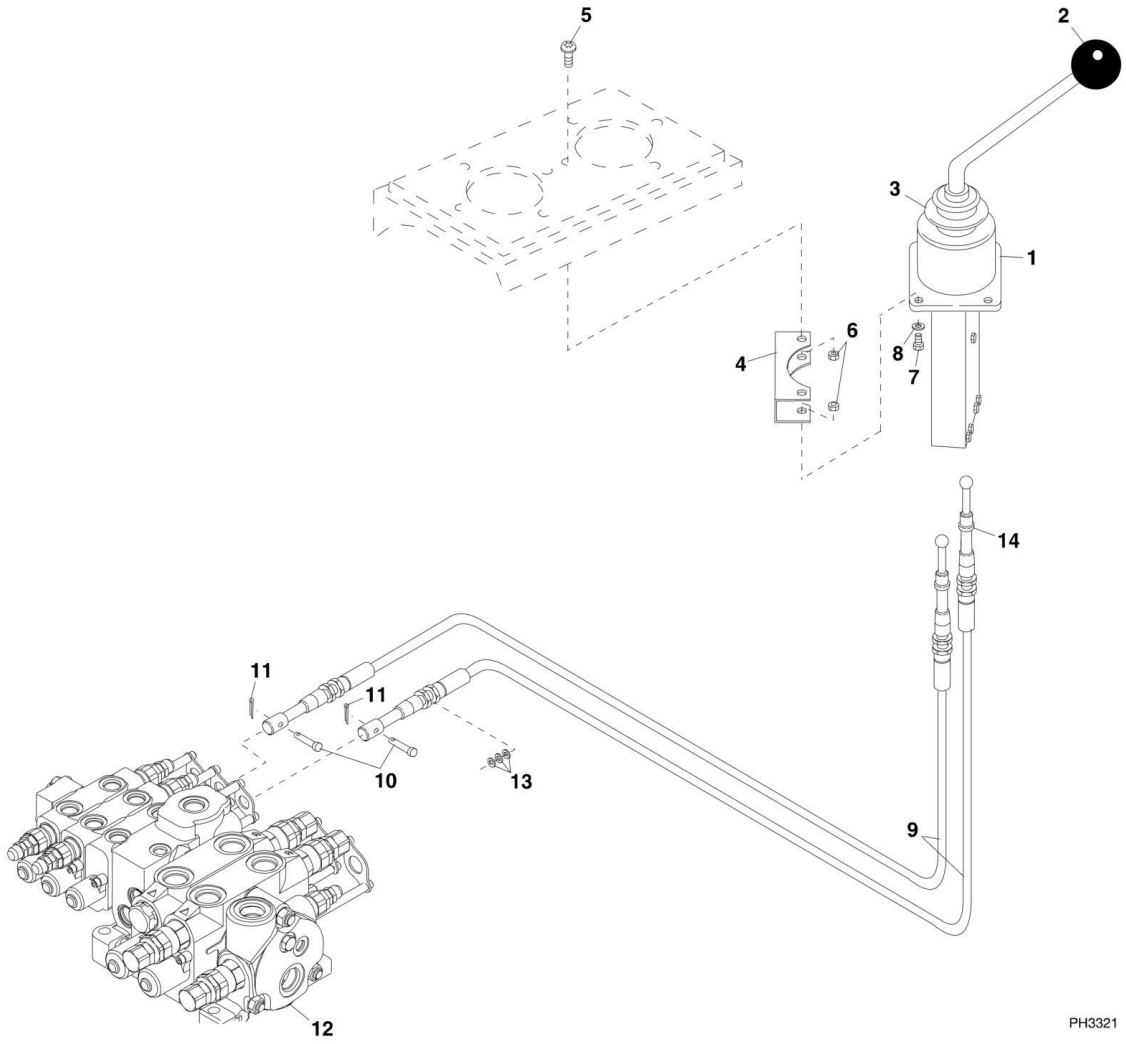


FIGURE 7-5. FRAME LEVEL AND ATTACHMENT TILT CONTROL

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

FIGURE 7-6. AUXILIARY CONTROL

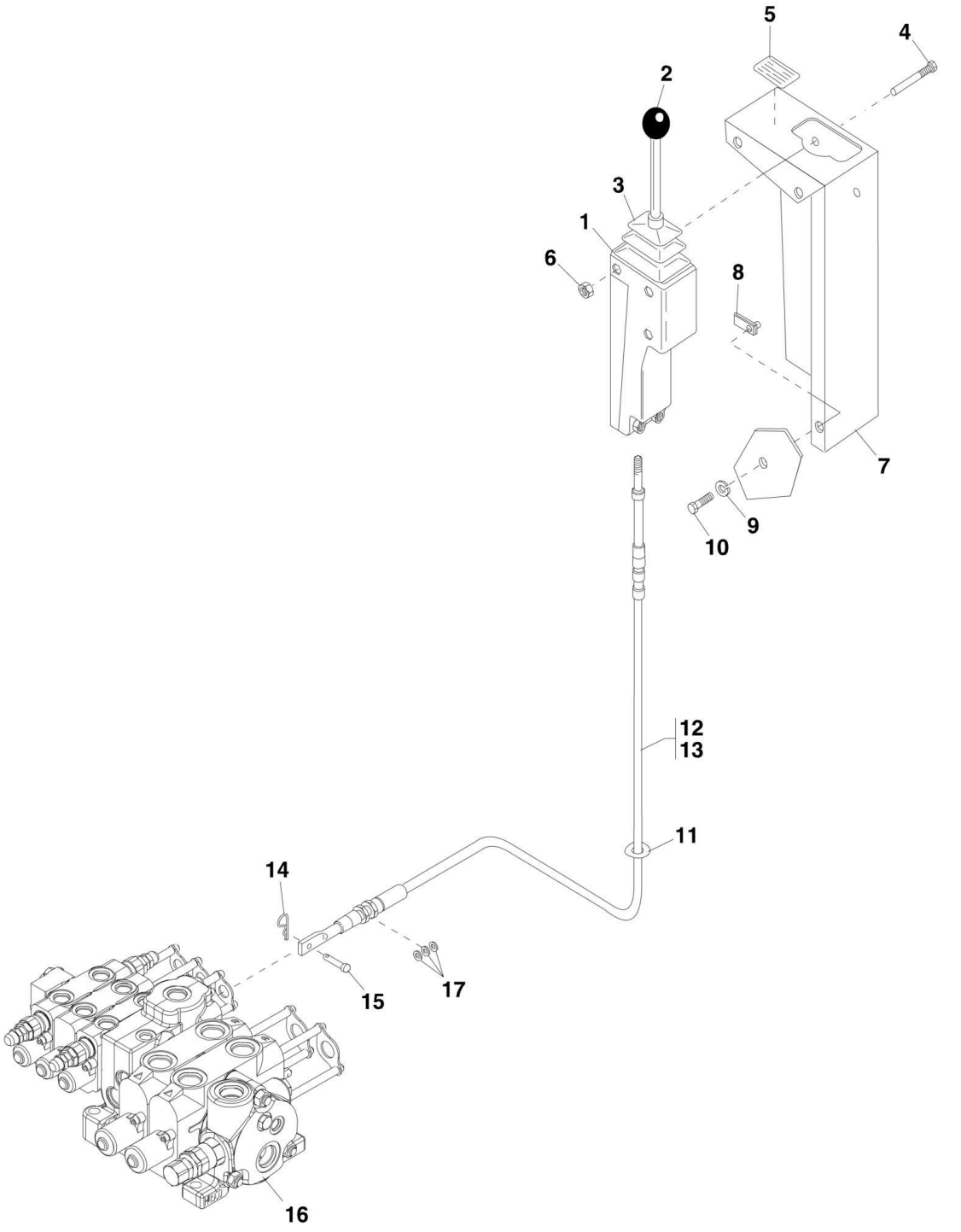


FIGURE 7-6. AUXILIARY CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	8160406	1	CONTROLLER, (includes items 2 & 3)	AB
2	8580110	1	KNOB	
3	8160418	1	BOOT	
4	8303758	2	HEX HD CAPSCREW, 1/4-20X2	
5	4105621	1	AUXILIARY CONTROL DECAL	
6	8305004	2	HEX NUT, 1/4-20	
7	7091323	1	CONTROLLER SUPPORT	
8	8305906	3	RETAINING NUT, 5/16-18	
9	8307004	3	LOCKWASHER, 5/16	
10	8303697	3	HEX HD CAPSCREW, 5/16-18X3/4	
11	7125871	AR	CONDUIT, 1/2X8	
12	8024023	1	AUXILIARY HYDRAULICS CONTROL CABLE ASSY, (includes items 13 thru 15)	
13	8160078	1	CONTROL CABLE	
14	8302470	1	HAIR PIN	
15	8301443	1	CLEVIS PIN	
16		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
17	4812300	3	FLAT WASHER, M16	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. SUPPLY CIRCUIT

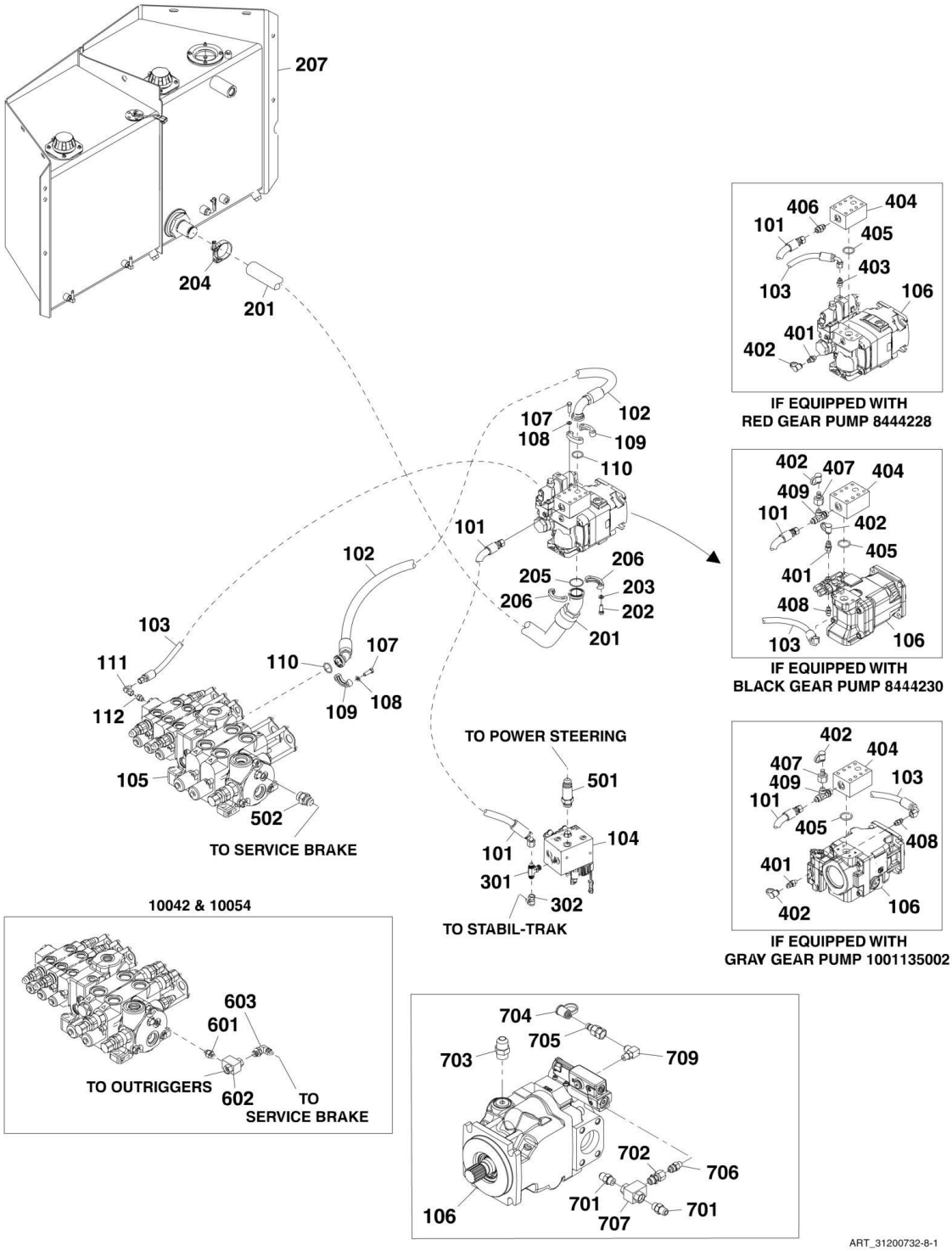


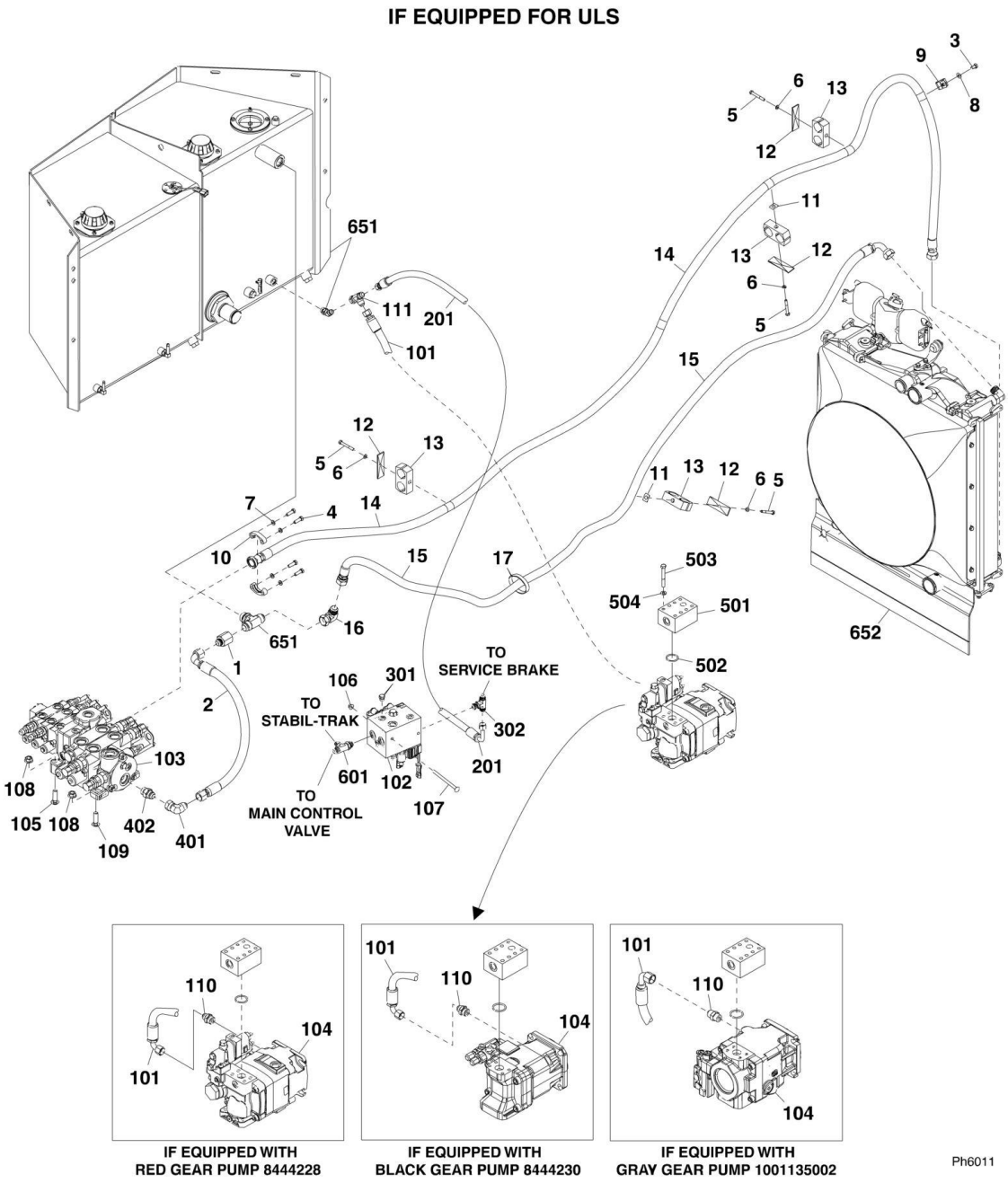
FIGURE 8-1. SUPPLY CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	2716690	1	HOSE ASSY	
102	2716750	1	HOSE ASSY	
103	2716668	1	HOSE ASSY	
104		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
105		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
106		Ref	PISTON PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
107	8303675	8	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
108	8307005	8	LOCKWASHER, 3/8	
109	8530030	4	FLANGE HALF	
110	8640123	2	O-RING	
111	8760268	1	ELBOW, 90	
112	2220371	1	CONNECTOR, (includes o-ring)	
201	2716808	1	HOSE ASSY	
202	8303626	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5, (torque to 60 lb-ft/81 Nm)	
203	8307007	4	LOCKWASHER, 1/2	
204	8405209	1	T-BOLT CLAMP	
205	8640208	1	O-RING	
206	8546407	2	FLANGE HALF (10054,8042)	
206	7138804	2	FLANGE HALF (10042)	
207		Ref	HYDRAULIC RESERVOIR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
301	2220999	1	MALE BRANCH TEE, (includes o-ring)	
302	8765204	1	ELBOW, 90, (swivel nut)	
401	8430043	1	CONNECTOR, (includes o-ring), (if equipped with red piston pump 8444228)	
401	8430033	1	CONNECTOR, (includes o-ring), (if equipped with black piston pump 8444230 or gray piston pump 1001135002)	
402	8430032	1	DUST CAP, (if equipped with red piston pump 8444228)	
402	8430032	2	DUST CAP, (if equipped with black piston pump 8444230 or gray piston pump 1001135002)	
403	2220371	1	CONNECTOR, (includes o-ring), (if equipped with red piston pump 8444228)	
404	1001103144	1	CHECK VALVE, 125 PSI	
405	8640123	1	O-RING	
406	2220373	1	CONNECTOR, (includes o-ring), (if equipped with red piston pump 8444228)	
407	8430037	1	DIAGNOSTIC NIPPLE, 1/8 BODY, (if equipped with black piston pump 8444230 or gray piston pump 1001135002)	
408	2220603	1	STRAIGHT CONNECTOR, (includes o-ring), (if equipped with black piston pump 8444230 or gray piston pump 1001135002)	
409	2220602	1	TEE FITTING, (includes o-ring), (if equipped with black piston pump 8444230 or gray piston pump 1001135002)	
501	2220381	1	CONNECTOR, (includes o-ring)	
502	2220371	1	STRAIGHT CONNECTOR, (includes o-ring) (8042)	
601	8770152	1	UNION, (includes o-ring) (10042,10054)	
602	8902175	Ref	SHUTTLE VALVE (not available to order, use 1001213147 for replacement) (10042,10054)	
602	1001213147	1	VALVE, SHUTTLE (10042,10054)	
603	2220473	1	ELBOW, 90, (includes o-ring) (10042,10054)	

SECTION 8 - HYDRAULIC CIRCUITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
701	2220371	2	CONNECTOR, (includes o-ring)	
702	2220919	1	CONNECTOR	
703	2220947	1	CONNECTOR STRAIGHT FITTING, (includes o-ring)	
704	8430032	1	DUST CAP	
705	8430046	1	CONNECTOR	
706	2220603	1	STRAIGHT CONNECTOR, (includes o-ring)	
707	8902175	Ref	Valve, Shuttle, (not available to order, use 1001213147 for replacement)	
	1001213147	1	Valve, Shuttle	
709	2220775	1	ELBOW, 90	

FIGURE 8-2. DUMP CIRCUIT IF EQUIPPED FOR ULS



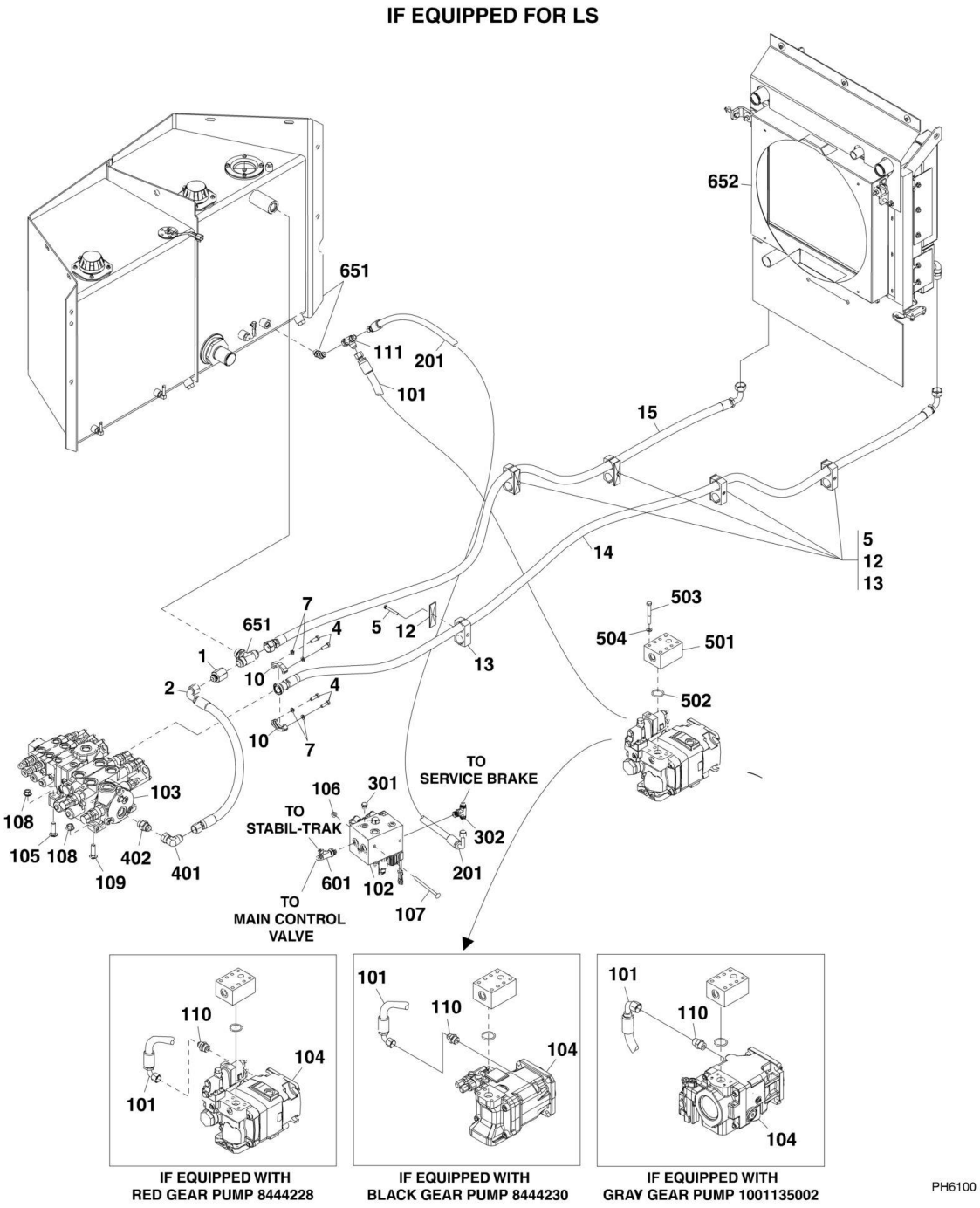

IF EQUIPPED FOR LS
652
651
111
201
101
15
14
5
12
13
503
504
501
502
7
651
4
5
12
1
10
13
2
4
10
7
103
108
105
108
109
402
401
106
301
TO
STABIL-TRAK
TO
SERVICE BRAKE
302
601
102
201
107
TO
MAIN CONTROL
VALVE
110
104
101
IF EQUIPPED WITH
RED GEAR PUMP 8444228
IF EQUIPPED WITH
BLACK GEAR PUMP 8444230
IF EQUIPPED WITH
GRAY GEAR PUMP 1001135002
PH6100

FIGURE 8-2. DUMP CIRCUIT IF EQUIPPED FOR LS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001125134	Ref	COOLER PLUMBING INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 17 for service)	E
	1001131524	Ref	COOLER PLUMBING INSTALLATION, (if equipped for LS), (not available to order, see items 1, 2, 4 thru 7, 10 & 12 thru 15 for service)	B
1	2220710	1	CONNECTOR	
2	2716694	1	HOSE ASSY	
3	0641605	1	HEX HD CAPSCREW, 3/8-16X5/8, (if equipped for ULS)	
4	8303675	4	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
5	8303757	4	HEX HD CAPSCREW, 5/16-18X2-1/2, GR5, (if equipped for ULS)	
5	8303757	5	HEX HD CAPSCREW, 5/16-18X2-1/2, GR5, (if equipped for LS)	
6	8307004	4	LOCKWASHER, 5/16, (if equipped for ULS)	
6	8307004	5	LOCKWASHER, 5/16, (if equipped for LS)	
7	8307005	4	LOCKWASHER, 3/8	
8	4711600	1	WASHER, 3/8, (if equipped for ULS)	
9	8406302	1	HOSE CLAMP, 1-1/4 DIA, (if equipped for ULS)	
10	8530030	2	FLANGE HALF	
11	8750017	2	TWIN CLAMP LOCKING PLATE, (if equipped for ULS)	
12	8750025	4	TWIN COVER PLATE, (if equipped for ULS)	
12	8750025	5	TWIN COVER PLATE, (if equipped for LS)	
13	8750040	4	TWIN CLAMP SET, (if equipped for ULS)	
13	8750040	5	TWIN CLAMP SET, (if equipped for LS)	
14	1001125236	1	HOSE ASSY, (if equipped for ULS)	
14	1001132547	1	HOSE ASSY, (if equipped for LS)	
15	1001125237	1	HOSE ASSY, (if equipped for ULS)	
15	1001132548	1	HOSE ASSY, (if equipped for LS)	
16	2220878	1	ELBOW, 90, (includes o-ring), (if equipped for ULS)	
17	8584007	AR	TYWRAP, (if equipped for ULS)	
101	2717291	1	HOSE ASSY, (if equipped with red gear pump 8444228 or black gear pump 8444230)	
101	1001135055	1	HOSE ASSY, (if equipped with gray gear pump 1001135002)	
102		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
103		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
104		Ref	GEAR PUMP, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
105	8310337	1	CARRIAGE BOLT, 1/2-13X2-1/2	
106	8310420	2	FLANGE NUT, 5/16-18	
107	8310477	2	CARRIAGE BOLT, 5/16-18X2-1/4, GR2	
108	8310523	3	HEX FLANGE NUT, 1/2-13	
109	8310524	2	CARRIAGE BOLT, 1/2-13X1-3/4	
110	8760108	1	CONNECTOR, (includes o-ring), (if equipped with red gear pump 8444228)	
110	2220374	1	STRAIGHT FITTING, (includes o-ring), (if equipped with black gear pump 8444230)	
110	2220947	1	STRAIGHT FITTING, (includes o-ring), (if equipped with gray gear pump 1001135002)	
111	2220385	1	TEE FITTING, (includes o-ring)	
201	2716663	1	HOSE ASSY	
301	2220237	1	PLUG	
302	2220999	1	BRANCH TEE, (includes o-ring)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
401	2220655	1	ELBOW, 90	
402	8770173	1	CHECK VALVE, 65 PSI	
501		Ref	CHECK VALVE, 125 PSI, (See SUPPLY CIRCUIT for Breakdown)	
502		Ref	O-RING, (See SUPPLY CIRCUIT for Breakdown)	
503	8303704	4	HEX HD CAPSCREW, 3/8-16X3, GR5	
504	8307005	4	LOCKWASHER, 3/8	
601	2220602	1	MALE RUN TEE, (includes o-ring)	
651		Ref	HYDRAULIC RESERVOIR, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
652		Ref	RADIATOR, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	

FIGURE 8-3. STEER SELECT CIRCUIT

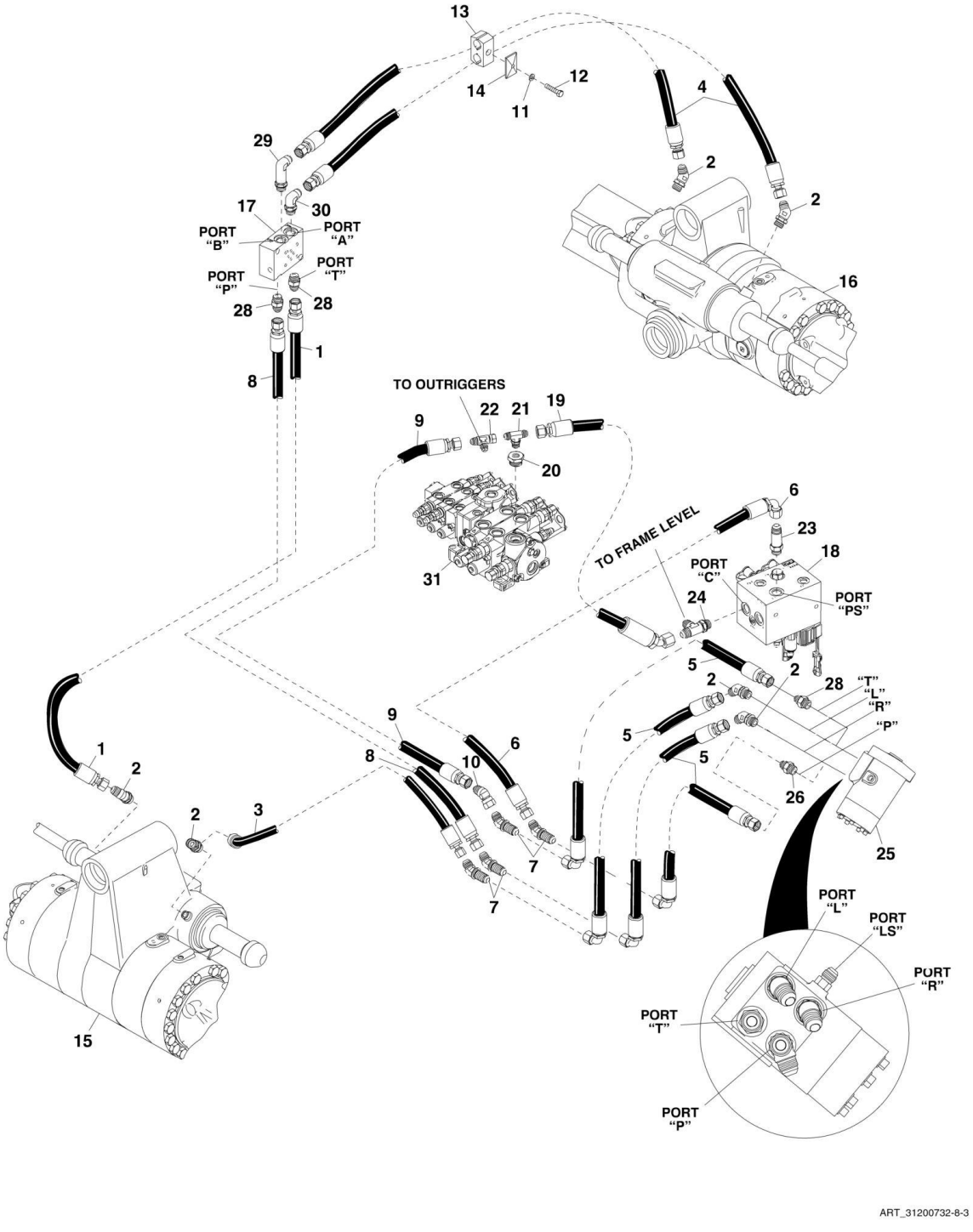
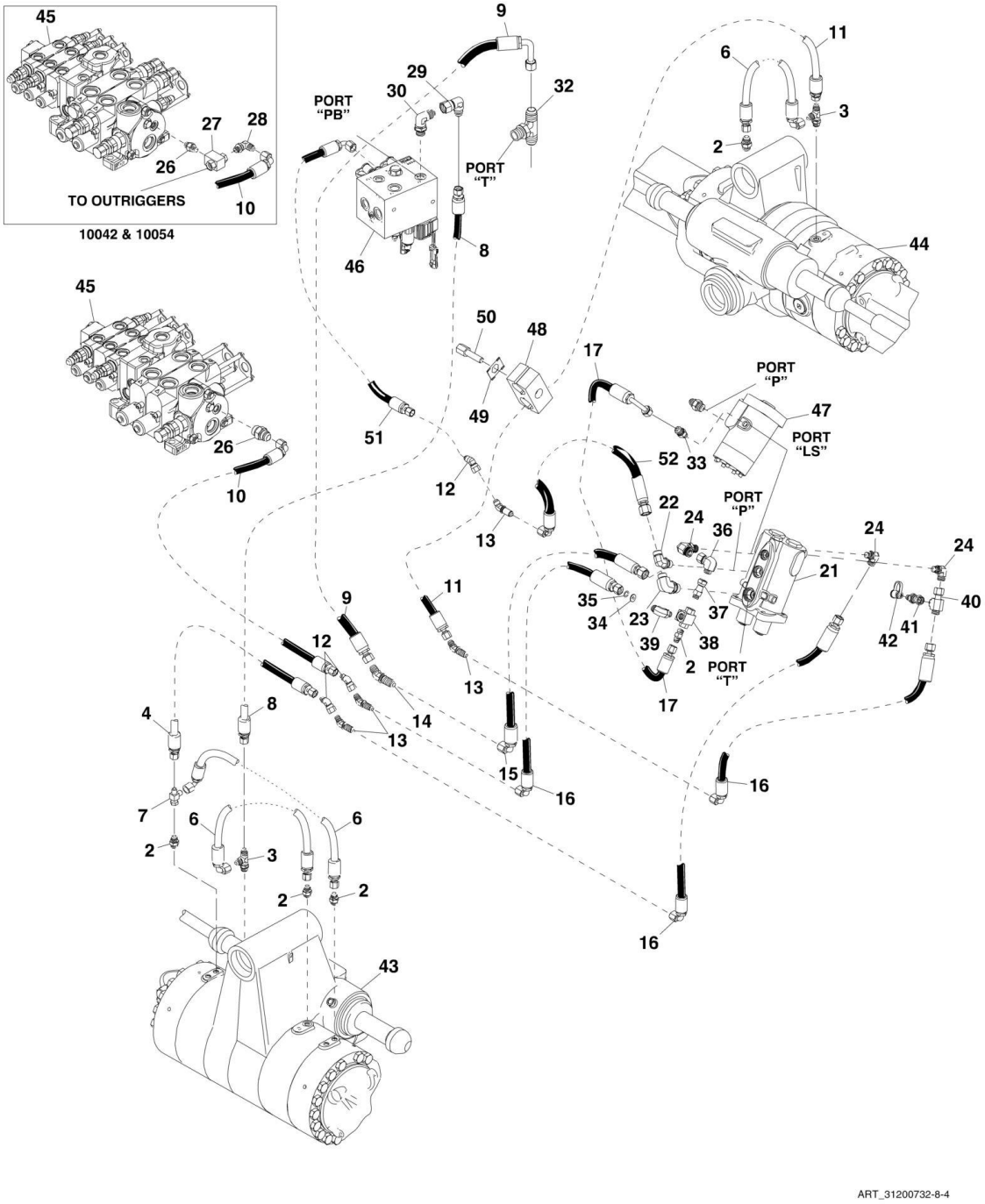


FIGURE 8-3. STEER SELECT CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2716672	1	HOSE ASSY	
2	2220500	6	ELBOW, 45, (includes o-ring)	
3	2716708	1	HOSE ASSY	
4	2716673	2	HOSE ASSY	
5	2716696	4	HOSE ASSY	
6	2716705	1	HOSE ASSY	
7	8760237	4	BULKHEAD ELBOW, 45	
8	2716671	1	HOSE ASSY	
9	2716705	1	HOSE ASSY	
10	2220683	1	ELBOW, 45, (swivel nut)	
11	8307004	1	LOCKWASHER, 5/16	
12	8310009	1	HEX HD CAPSCREW, 5/16-18X2, GR5	
13	8750027	1	CLAMP SET	
14	8769128	1	COVER PLATE	
15		Ref	FRONT AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
16		Ref	REAR AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
17		Ref	STEER SELECT VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
18		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
19	2716661	1	HOSE ASSY	
20	2220833	1	REDUCER, (includes o-ring)	
21	2220999	1	MALE BRANCH TEE, (includes o-ring)	
22	2220385	1	FEMALE RUN TEE, (swivel nut) (10042,10054)	
23		Ref	CONNECTOR, (includes o-ring), (See SUPPLY CIRCUIT for Breakdown)	
24		Ref	MALE RUN TEE, (includes o-ring), (See DUMP CIRCUIT for Breakdown)	
25	1001146563	1	STEERING UNIT	
26	8760140	1	MALE TUBE END WITH INLET CHECK CONNECTOR, 8-8	
28	2220373	3	STRAIGHT CONNECTOR, (includes o-ring)	
29	2220474	1	ELBOW, 90, (includes o-ring)	
30	2220596	1	ELBOW, 90, (includes o-ring)	
31		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

FIGURE 8-4. SERVICE BRAKE CIRCUIT



ART_31200732-8-4

FIGURE 8-4. SERVICE BRAKE CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
2	2220371	5	STRAIGHT CONNECTOR	
3	2220606	2	MALE RUN TEE	
4	2716707	1	HOSE ASSY	
6	2716670	3	HOSE ASSY	
7	2220635	1	FEMALE SWIVEL RUN TEE	
8	2716660	1	HOSE ASSY	
9	1001169758	1	HOSE ASSY	
10	2716703	1	HOSE ASSY	
11	2716701	1	HOSE ASSY	
12	2220657	3	ELBOW, 45, (swivel nut)	
13	8770189	4	BULKHEAD ELBOW, 45	
14	2230035	1	BULKHEAD ELBOW, 45	
15	1001176722	1	HOSE ASSY	
16	2716699	3	HOSE ASSY	
17	2716700	1	HOSE ASSY	
	1001103623	1	BRAKE VALVE ASSY, (includes items 21 thru 24)	C
21		Ref	BRAKE VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
22	8770120	1	ELBOW, 90	
23	8770175	1	ELBOW, 90	
24	8770109	3	ELBOW, 90	
26		Ref	UNION, (includes o-ring), (See SUPPLY CIRCUIT for Breakdown)	
27		Ref	SHUTTLE VALVE, (See SUPPLY CIRCUIT for Breakdown)	
28		Ref	ELBOW, 90, (includes o-ring), (See SUPPLY CIRCUIT for Breakdown)	
29	8760268	1	ELBOW, 90, (swivel nut)	
30	2220473	1	ELBOW, 90, (includes o-ring)	
32		Ref	BRANCH TEE, (includes o-ring), (See DUMP CIRCUIT for Breakdown)	
33	2220603	1	STRAIGHT CONNECTOR	
34	7139212	1	ORIFICE DISK	
35	8630003	1	O-RING	
36	2172106	1	ELBOW, 90, (swivel nut)	
37	2221123	1	SWIVEL CONNECTOR	
38	8902175	Ref	SHUTTLE VALVE (not available to order, use 1001213147 for replacement) (10042,10054)	
38	1001213147	1	VALVE, SHUTTLE	
39	2130606	1	ELBOW, 90	
40	2170706	1	SWIVEL RUN TEE	
41	8430081	1	SWIVEL NIPPLE, 1/8 BODY	
42	8430032	1	DUST PLUG	
43		Ref	FRONT AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
44		Ref	REAR AXLE, (See DRIVE TRAIN SECTION for Breakdown)	
45		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
46		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
47		Ref	STEERING UNIT, (See STEER SELECT CIRCUIT for Breakdown)	
48	8750015	1	CLAMP SET	
49	8750017	1	LOCKING PLATE	
50	8750011	1	STACKING BOLT	

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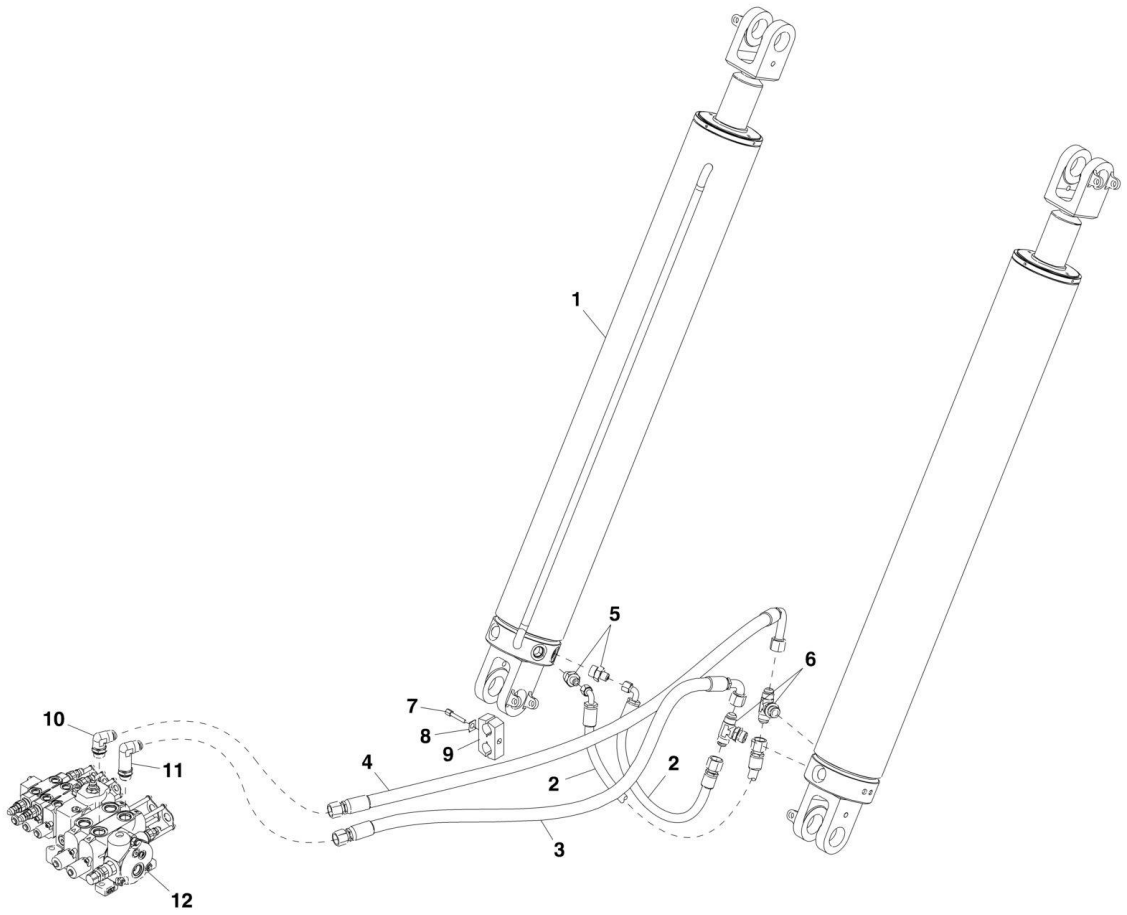
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	2716762	1	HOSE ASSY	
52	1001166292	1	HOSE ASSY	

FIGURE 8-5. LIFT CYLINDER CIRCUIT



ART_31200732-8-5

FIGURE 8-5. LIFT CYLINDER CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	LIFT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2	2716675	2	HOSE ASSY	
3	2716654	1	HOSE ASSY	
4	2716655	1	HOSE ASSY	
5	2220375	2	CONNECTOR, (includes o-ring)	
6	2220695	2	BRANCH TEE, (includes o-ring)	
7	8750026	1	STACKING BOLT	
8	8750017	1	LOCKING PLATE	
9	8750040	1	CLAMP SET	
10	2220578	1	ELBOW, 90, (includes o-ring)	
11	8770157	1	ELBOW, 45, (includes o-ring)	
12		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

FIGURE 8-6. EXTEND/RETRACT CYLINDER CIRCUIT

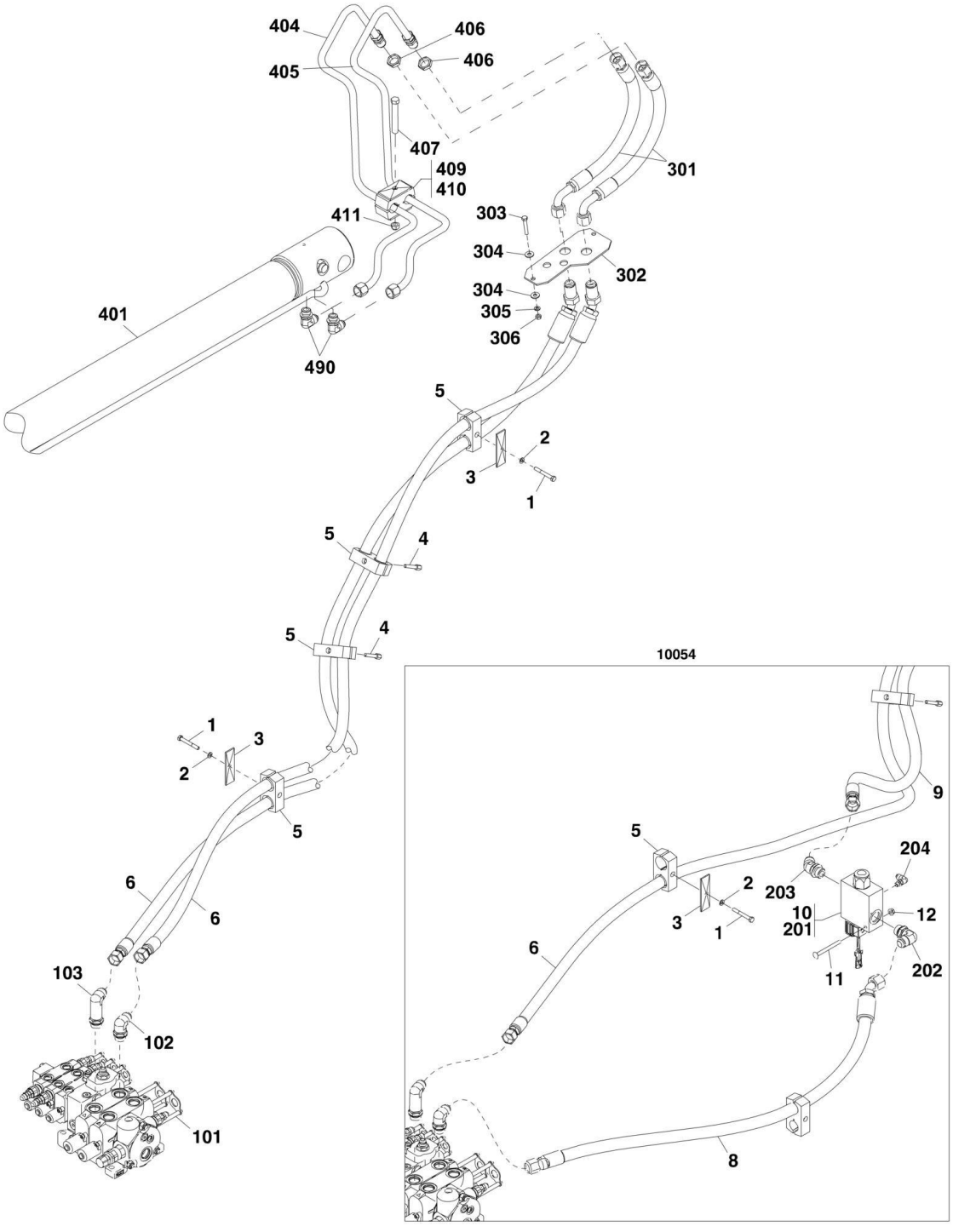


FIGURE 8-6. EXTEND/RETRACT CYLINDER CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001125932	Ref	EXTEND CYLINDER INSTALLATION (not available to order, see items 1 thru 6 for service) (10042,8042)	C
	1001125652	Ref	EXTEND CYLINDER INSTALLATION (not available to order, see items 1 thru 12 for service) (10054)	B
1	8303757	2	HEX HD CAPSCREW, 5/16-18X2-1/2, GR5 (10042,8042)	
2	8307004	2	LOCKWASHER, 5/16 (10042,8042)	
3	8750025	2	COVER PLATE (10042,8042)	
4	8750026	2	STACKING BOLT (10054)	
5	8750040	4	CLAMP SET (10042,8042)	
6	1001125750	2	HOSE ASSY (10042,8042)	
6	1001125750	1	HOSE ASSY (10054)	
8	2716716	1	HOSE ASSY (10054)	
9	1001125749	1	HOSE ASSY (10054)	
10	7301821	1	EXTEND CYLINDER LOCKOUT VALVE ASSY (includes items 201 thru 204) (10054)	
11	8310159	1	BOLT, 5/16-18X3-1/2, GR2 (10054)	
12	8310420	1	FLANGE NUT, 5/16-18 (10054)	
101		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
102	2220578	1	ELBOW, 90, (includes o-ring)	
103	8770157	1	ELBOW, 45, (includes o-ring)	
201		Ref	EXTEND LOCKOUT VALVE ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown) (10054)	
202	2220578	1	ELBOW, 90, (includes o-ring) (10054)	
203	2220498	1	ELBOW, 45, (includes o-ring) (10054)	
204	2220775	1	ELBOW, 90, (includes o-ring) (10054)	
301	2755060	2	HOSE ASSY	
302	7139505	1	BULKHEAD SHEET	
303	8310009	2	HEX HD CAPSCREW, 5/16-18X2, GR5	
304	8307203	4	WASHER, 5/16	
305	8307004	2	LOCKWASHER, 5/16	
306	8305006	2	HEX NUT, 5/16-18	
401		Ref	EXTEND/RETRACT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
402	2220578	2	ELBOW, 90, (includes o-ring)	
404	3460383	1	TUBE ASSY	
405	3460384	1	TUBE ASSY	
406	8760468	2	BULKHEAD LOCKNUT	
407	0641520	1	HEX HD CAPSCREW, 5/16-18X2, GR5	
408	8307106	3	FLAT WASHER, 5/16	
409	8769128	2	COVER PLATE	
410	8769139	1	CLAMP SET	
411	8305626	1	HEX LOCKNUT, 5/16-18	
490	2220578	2	ADPT,90 S JIC/ORB 12-12 FG	

FIGURE 8-7. ATTACHMENT TILT AND TILT COMPENSATION CYLINDER CIRCUIT

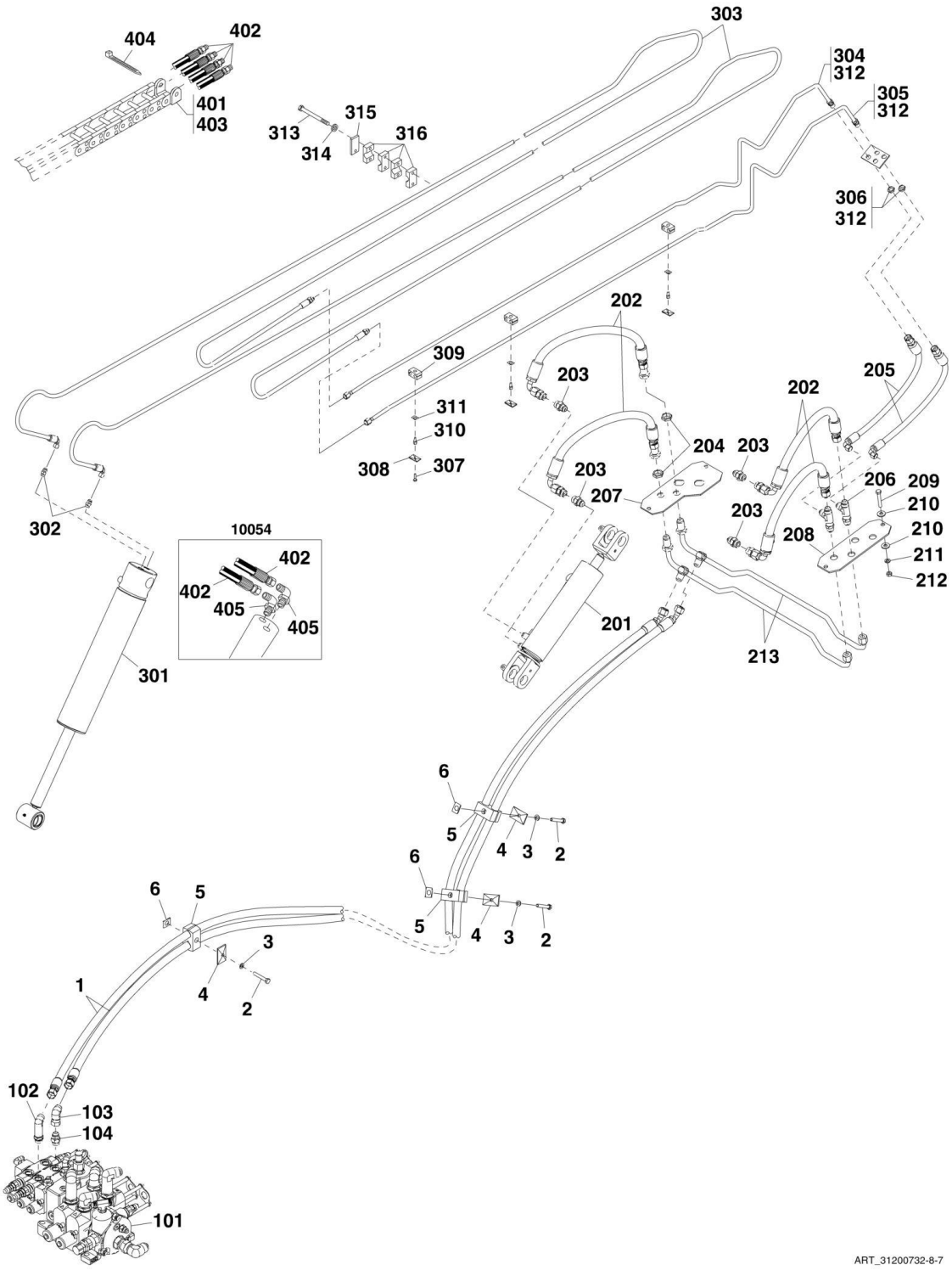


FIGURE 8-7. ATTACHMENT TILT AND TILT COMPENSATION CYLINDER CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001125705	Ref	HYDRAULIC FORK TILT INSTALLATION, (not available to order, see items 1 thru 6 for service)	A
1	1001125751	2	HOSE ASSY	
2	8310009	3	HEX HD CAPSCREW, 5/16-18X2, GR5	
3	8307004	3	LOCKWASHER, 5/16	
4	8769128	3	TWIN COVER PLATE	
5	8750027	3	TWIN CLAMP SET, 0.84 DIA	
6	8750017	3	LOCKING PLATE	
101		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
102	2220474	1	ELBOW, 90, (includes o-ring)	
103	8765204	1	ELBOW, 90, (swivel nut)	
104	2220373	1	STRAIGHT CONNECTOR, (includes o-ring)	
201		Ref	TILT COMPENSATION CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
202	2716715	4	HOSE ASSY	
203	2220373	4	STRAIGHT CONNECTOR, (includes o-ring)	
204	8760463	2	BULKHEAD LOCKNUT, #8	
205	2716714	2	TILT CYLINDER HOSE ASSY	
206	8760477	2	MALE BULKHEAD RUN TEE	
207	7139505	1	BULKHEAD SHEET	
208	7139504	1	BULKHEAD SHEET	
209	8310009	4	HEX HD CAPSCREW, 5/16-18X2, GR5	
210	8307203	6	FLAT WASHER, 5/16	
211	8307004	4	LOCKWASHER, 5/16	
212	8305006	4	HEX NUT, 5/16-18	
213	7300214	2	TILT COMPENSATION CYLINDER CROSS-OVER TUBE ASSY	
301		Ref	ATTACHMENT TILT CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
302	2220373	2	STRAIGHT CONNECTOR	
303	2713452	2	BOOM HOSE ASSY (10042,8042)	
304	7300672	1	BOOM ATTACHMENT TILT TUBE, (extend)	
305	7300673	1	BOOM ATTACHMENT TILT TUBE, (retract)	
306	8760468	2	BULKHEAD LOCKNUT	
307	8303715	3	HEX HD CAPSCREW, 5/16-18X1-1/4	
308	8769123	3	TWIN COVER PLATE	
309	8769122	3	TWIN CLAMP, 0.62 DIA	
310	8750011	3	STACKING BOLT	
311	8750017	3	LOCKING PLATE	
312	8526048	AR	LOCTITE 545, (apply to items 304, 305 & 306)	
313	8303752	2	HEX HD CAPSCREW, 5/16-18X3-1/2	
314	8307004	2	LOCKWASHER, 5/16	
315	8769149	1	SINGLE CLAMP COVER PLATE	
316	8750003	4	SINGLE CLAMP, 0.62 DIA (10042,8042)	
316	8750003	6	SINGLE CLAMP, 0.62 DIA (10054)	
401	7112452	1	HOSE AND CARRIER ASSY, (includes items 402 thru 404) (10054)	
402	2713642	2	HOSE ASSY	
403	N.S.S.	1	HOSE CARRIER, (see item 401 for service)	
404	8584001	2	TIE WRAP	
405	2220500	2	ELBOW, 45, (includes o-ring) (10054)	

FIGURE 8-8. AUXILIARY HYDRAULIC CIRCUIT

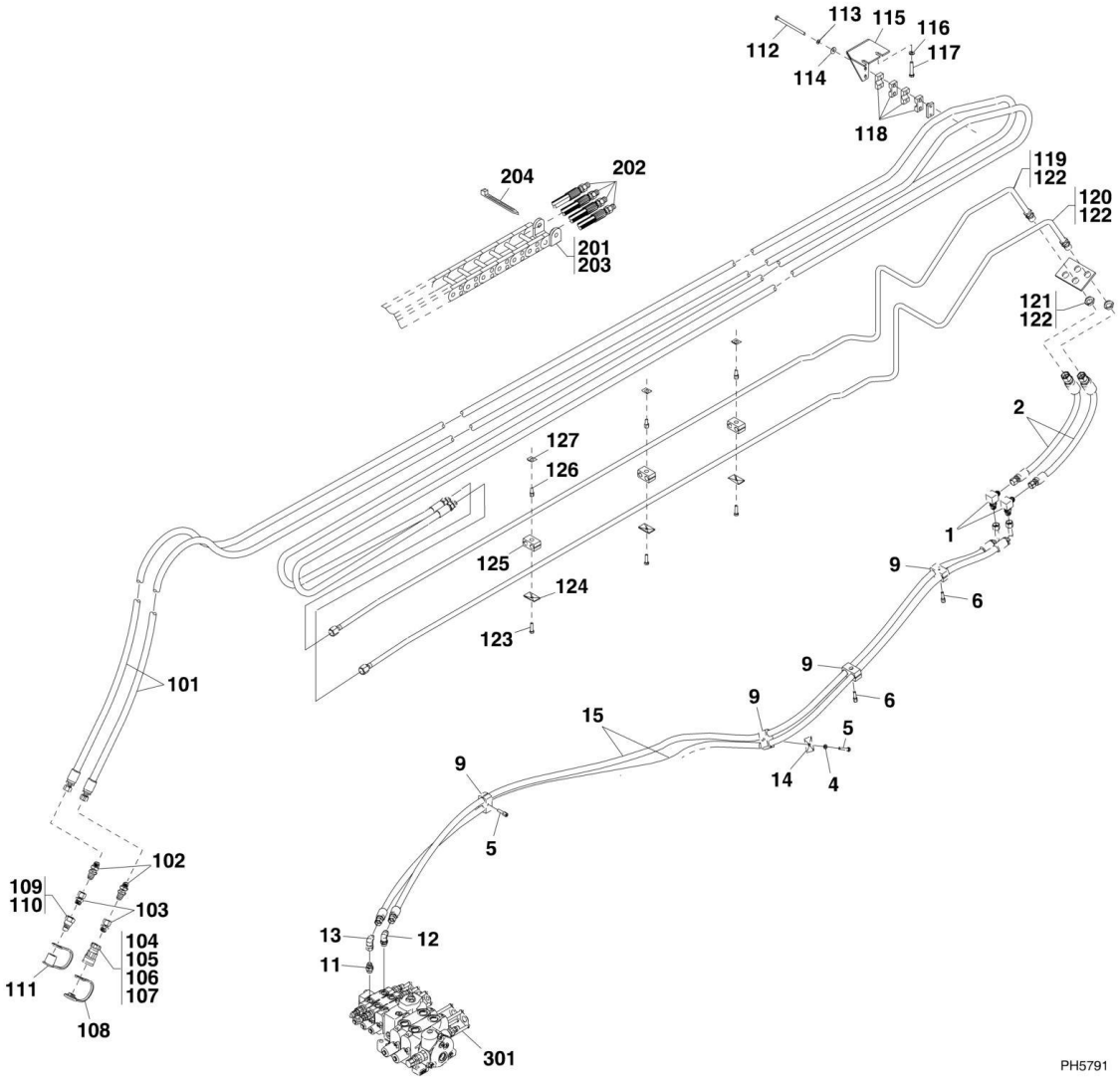


FIGURE 8-8. AUXILIARY HYDRAULIC CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121399	Ref	AUXILIARY HYDRAULICS INSTALLATION, (not available to order, see items 1 thru 15 for service)	C
1	2230044	2	ADAPTER, 90	
2	2716713	2	HOSE ASSY	
4	8307004	1	LOCKWASHER, 5/16	
5	8310009	1	HEX HD CAPSCREW, 5/16-18X2	
6	8750012	3	STACKING BOLT	
9	8750027	4	TWIN CLAMP SET, 0.84 DIA	
11	2220373	1	CONNECTOR, (includes o-ring)	
12	2220596	1	ELBOW, 90, (include o-ring)	
13	8765204	1	ELBOW, 90, (swivel nut)	
14	8769128	1	TWIN COVER PLATE	
15	1001121396	2	HOSE ASSY	
101	2713082	2	HOSE ASSY (10042,8042)	
102	2230025	2	STRAIGHT BULKHEAD UNION	
103	2220651	2	STRAIGHT CONNECTOR, (swivel nut), (includes o-ring)	
104	91403413	1	FEMALE QUICK DISCONNECT, (includes items 105 thru 107)	
105	8640029	1	NOSE SEAL	
106	8640028	1	COUPLER BODY SEAL	
107	8640032	1	COUPLER BODY SEAL BACK-UP RING	
108	8420055	1	DUST PLUG, #8	
109	91403414	1	MALE QUICK DISCONNECT, (includes item 110)	
110	8640029	1	NOSE SEAL	
111	8420053	1	DUST CAP, #8	
112	8310081	2	HEX HD CAPSCREW, 5/16-18X5	
113	8307004	2	LOCKWASHER, 5/16	
114	8307203	2	FLAT WASHER, 5/16	
115	7111402	1	CLAMP SUPPORT	
116	8307005	2	LOCKWASHER, 5/16	
117	8303622	2	HEX HD CAPSCREW, 3/8-16X2, GR5	
118	8769161	2	SINGLE CLAMP, 0.75 ID (10042,8042)	
118	8750003	2	SINGLE CLAMP, 0.62 ID (10054)	
119	7300674	1	AUXILIARY TUBE ASSY	
120	7300675	1	AUXILIARY TUBE ASSY	
121	8760465	4	BULKHEAD LOCKNUT	
122	8526048	1	LOCTIT 545, (apply to items 119, 120 & 121)	
123	8303715	3	HEX HD CAPSCREW, 5/16-18X2-1/4	
124	8769123	3	TWIN CLAMP COVER PLATE	
125	8769122	6	TWIN CLAMP, 0.62 ID, (two halves)	
126	8750011	3	TWIN CLAMP STACK BOLT	
127	8750017	3	TWIN CLAMP LOCK PLATE	
201		Ref	HOSE AND CARRIER ASSY, (includes items 202 thru 204) (See ATTACHMENT TILT AND TILT COMPENSATION CYLINDER CIRCUIT for Breakdown) (10054)	
202		Ref	HOSE ASSY, (See ATTACHMENT TILT AND TILT COMPENSATION CYLINDER CIRCUIT for Breakdown)	
203		Ref	HOSE CARRIER, (see item 201 for service), (See ATTACHMENT TILT AND TILT COMPENSATION CYLINDER CIRCUIT for Breakdown)	
204		Ref	TIE WRAP, (See ATTACHMENT TILT AND TILT COMPENSATION CYLINDER CIRCUIT for Breakdown)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
301		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

FIGURE 8-9. FRAME LEVEL AND STABIL-TRAK CYLINDER CIRCUIT

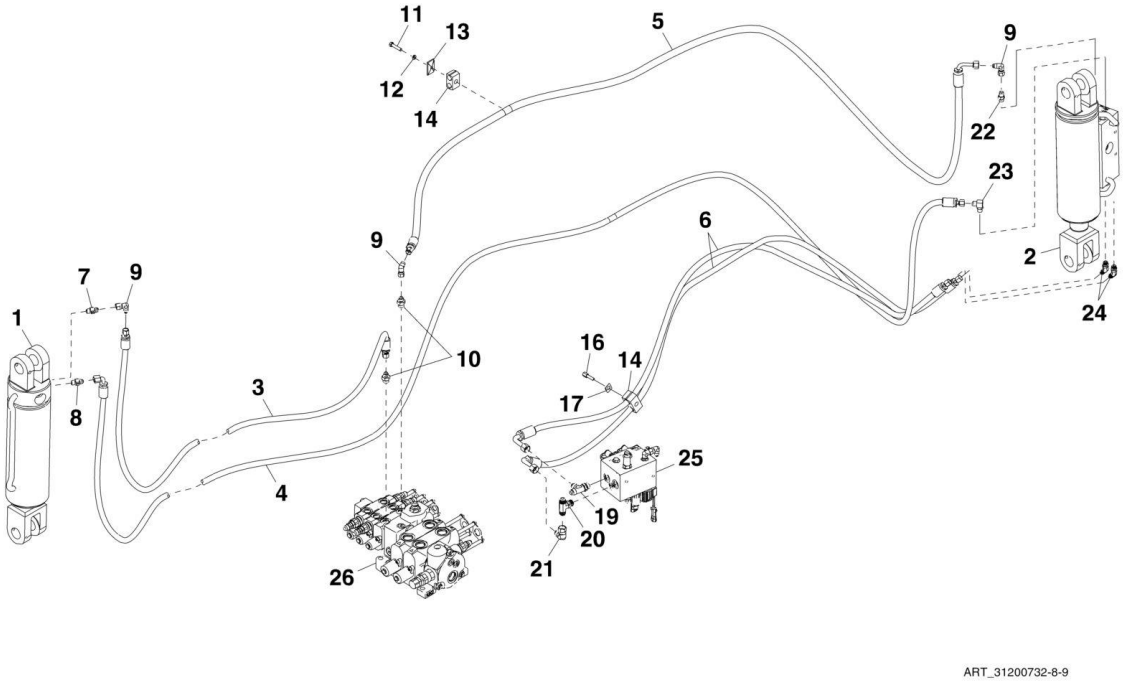


FIGURE 8-9. FRAME LEVEL AND STABIL-TRAK CYLINDER CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	FRAME LEVEL CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
2		Ref	STABIL-TRAK CYLINDER, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
3	2716687	1	HOSE ASSY	
4	2716688	1	HOSE ASSY	
5	2716686	1	HOSE ASSY	
6	2716691	2	HOSE ASSY	
7	8902858	1	RESTRICTOR CHECK VALVE, 0.047 DIA	
8	8902857	1	RESTRICTOR CHECK VALVE, 0.040 DIA	
9	8760268	3	ELBOW, 90, (swivel nut)	
10	2220372	2	STRAIGHT CONNECTOR, (includes o-ring)	
11	8303715	1	HEX HD CAPSCREW, 5/16-18X1.5	
12	8307004	1	LOCKWASHER, 5/16	
13	8769123	1	TWIN COVER PLATE	
14	8750015	2	TWIN CLAMP SET, 0.67 DIA	
15	8750027	2	TWIN CLAMP SET, 0.84 DIA	
16	8750011	1	STACKING BOLT	
17	8750017	1	TWIN CLAMP LOCKING PLATE	
19		Ref	MALE RUN TEE, (includes o-ring), (See DUMP CIRCUIT for Breakdown)	
20		Ref	MALE BRANCH TEE, (includes o-ring), (See SUPPLY CIRCUIT for Breakdown)	
21		Ref	ELBOW, 90, (swivel nut), (See SUPPLY CIRCUIT for Breakdown)	
22	2220371	1	STRAIGHT CONNECTOR, (includes o-ring)	
23	2220473	1	ELBOW, 90, (includes o-ring)	
24	2220501	2	ELBOW, 45	
25		Ref	SECONDARY FUNCTION MANIFOLD, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
26		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	

FIGURE 8-10. OUTRIGGER CIRCUIT (10042,10054)

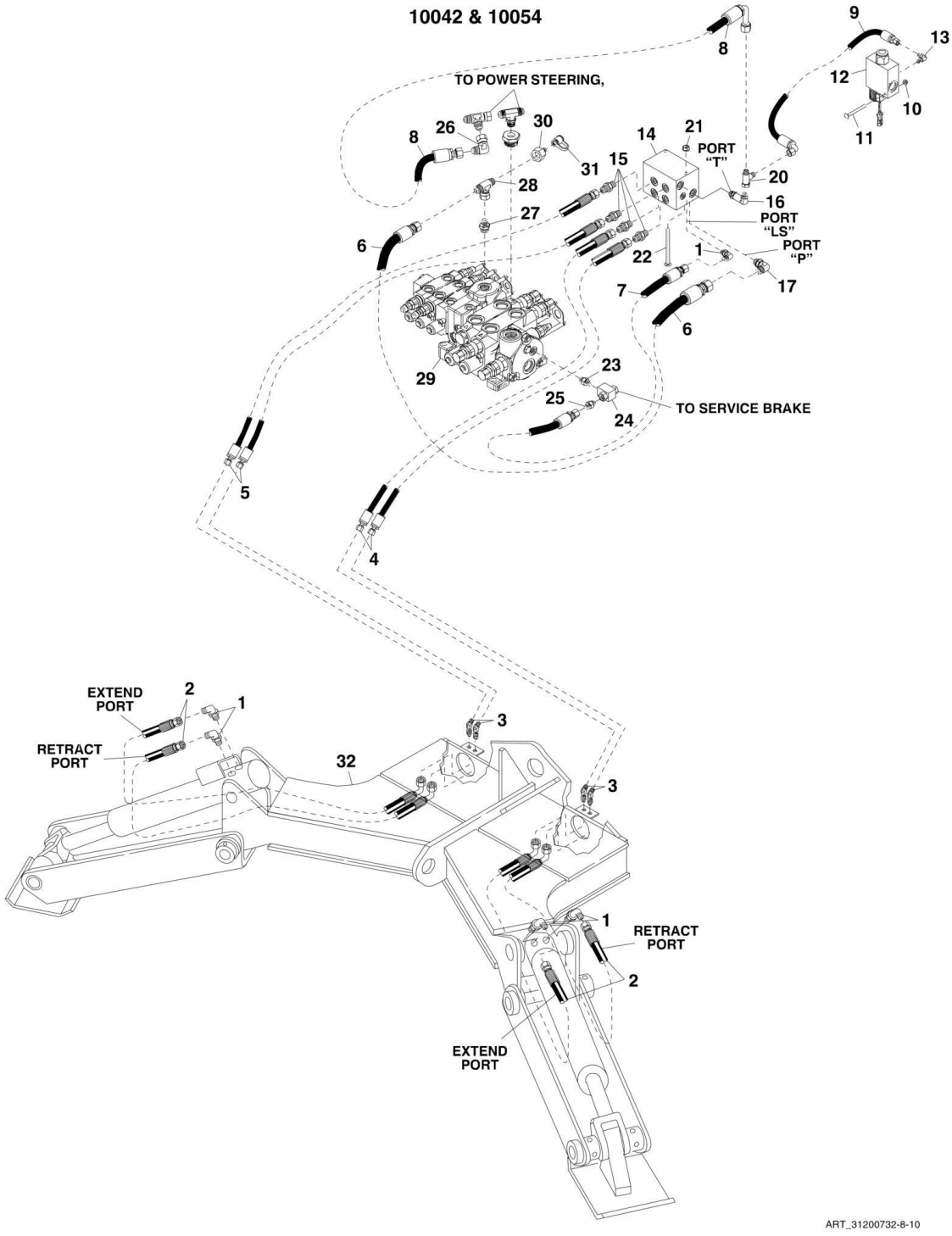


FIGURE 8-10. OUTRIGGER CIRCUIT (10042,10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2220473	5	ELBOW, 90, (includes o-ring)	
2	2716709	4	HOSE ASSY	
3	8770189	4	ELBOW, 45	
4	2716664	2	HOSE ASSY	
5	2716665	2	HOSE ASSY	
6	2716710	1	HOSE ASSY (8042)	
6	1001184557	1	HOSE ASSY (10042,10054)	
7	2716711	1	HOSE ASSY (8042)	
7	1001184556	1	HOSE ASSY (10042,10054)	
8	2716669	1	HOSE ASSY	
9	2716712	1	HOSE ASSY (10054)	
10	8310420	1	HEX FLANGE NUT, 5/16-18 (10054)	
11	8310159	1	CARRIAGE BOLT, 5/16-18X3-1/2 (10054)	
12		Ref	EXTEND LOCKOUT VALVE ASSY (See HYDRAULIC COMPONENTS SECTION for Breakdown) (10054)	
13	2220775	1	ELBOW, 90, (includes o-ring) (10054)	
14	1001103153	1	OUTRIGGER VALVE	
15	2220372	4	STRAIGHT CONNECTOR, (includes o-ring)	
16	2220474	1	ELBOW, 90, (includes o-ring)	
17	2220596	1	ELBOW, 90, (includes o-ring)	
18	2220657	1	ELBOW, 45, (swivel nut) (8042)	
19	2220683	1	ELBOW, 45, (swivel nut) (8042)	
20	2220385	1	FEMALE RUN TEE, (swivel nut) (10054)	
21	8310522	2	HEX FLANGE NUT, 3/8-16	
22	8310478	2	CARRIAGE BOLT, 3/8-16X5.5, GR2	
23		Ref	UNION, (includes o-ring), (See SUPPLY CIRCUIT for Breakdown)	
24		Ref	SHUTTLE VALVE, (See SUPPLY CIRCUIT for Breakdown)	
25	2220371	1	STRAIGHT CONNECTOR, (includes o-ring)	
26	8765204	1	ELBOW, 90, (swivel nut)	
27	2220374	1	STRAIGHT CONNECTOR, (includes o-ring) (8042)	
28	8770289	1	FEMALE BRANCH TEE, (swivel nut)	
29		Ref	MAIN CONTROL VALVE, (See HYDRAULIC COMPONENTS SECTION for Breakdown)	
30	8430037	1	NIPPLE	
31	8430032	1	DUST PLUG	
32		Ref	OUTRIGGERS, (See FRAME AND ATTACHING PARTS SECTION for Breakdown)	

FIGURE 8-11. TRANSMISSION COOLER

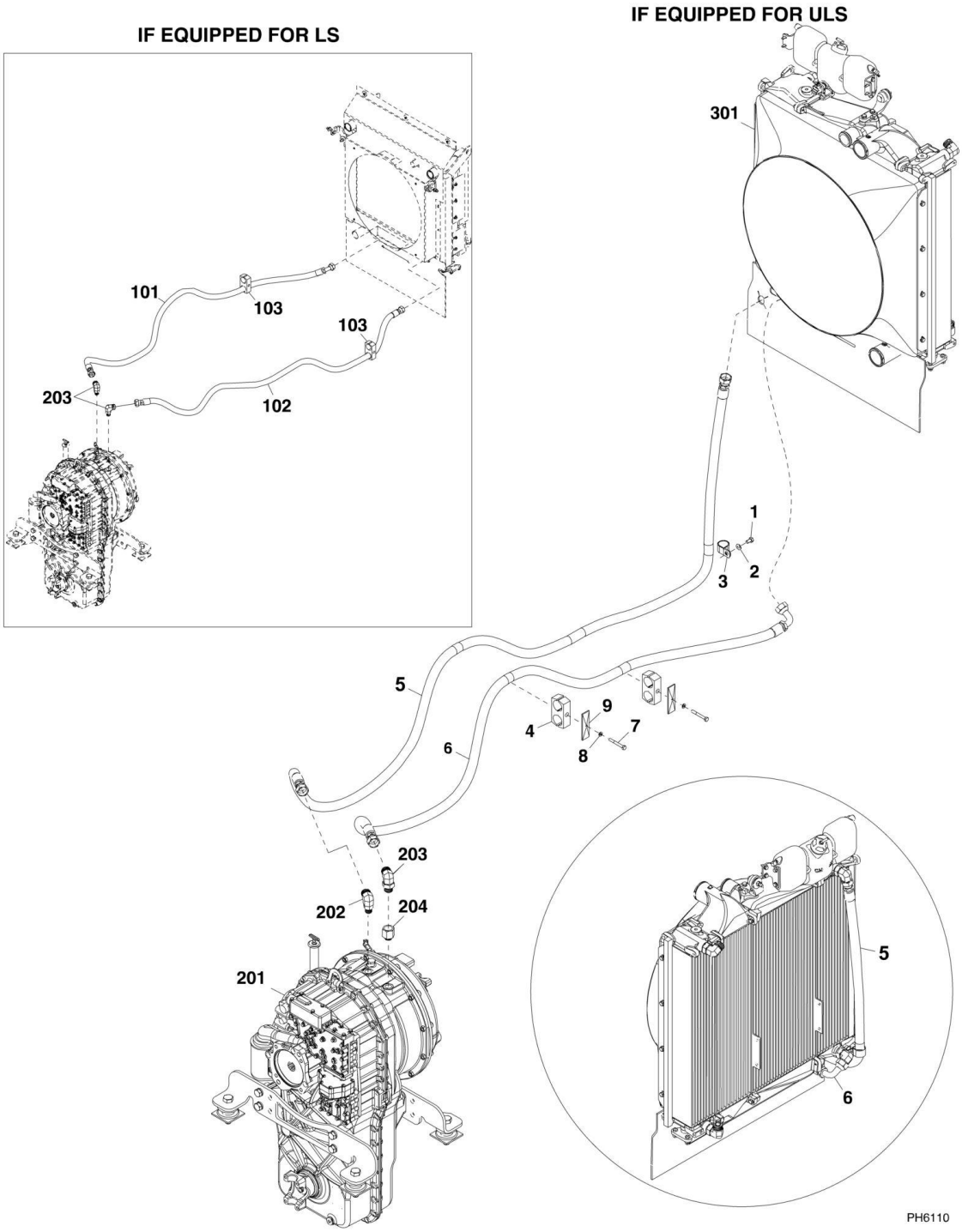


FIGURE 8-11. TRANSMISSION COOLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001125136	Ref	TRANSMISSION COOLER PLUMBING INSTALLATION, (if equipped for ULS), (not available to order, see items 1 thru 9 for service)	C
	1001131526	Ref	TRANSMISSION COOLER PLUMBING INSTALLATION, (if equipped for LS), (not available to order, see items 101 & 102 for service)	A
1	0641605	1	HEX HD CAPSCREW, 3/8-16X5/8, (if equipped for ULS)	
2	4711600	1	FLAT WASHER, 3/8, (if equipped for ULS)	
3	8406302	1	HOSE CLAMP, (if equipped for ULS)	
4	8750040	2	CLAMP SET, (if equipped for ULS)	
5	1001126385	1	HOSE ASSY, (if equipped for ULS)	
6	1001126386	1	HOSE ASSY, (if equipped for ULS)	
7	8303757	2	HEX HD CAPSCREW, 5/16-18X2-1/2, GR5, (if equipped for ULS)	
8	8307004	2	LOCKWASHER, 5/16, (if equipped for ULS)	
9	8750025	2	TWIN COVER PLATE, (if equipped for ULS)	
101	1001132545	1	HOSE ASSY, (if equipped for LS)	
102	1001132546	1	HOSE ASSY, (if equipped for LS)	
103		Ref	CLAMP SET AND HARDWARE, (if equipped for LS), (See DUMP CIRCUIT for Breakdown)	
201		Ref	TRANSMISSION ASSY, (See DRIVE TRAIN SECTION for Breakdown)	
202	2131210	1	ADAPTER, 90, (includes o-ring), (if equipped for ULS)	
203	2131212	1	ADAPTER, 90, (includes o-ring), (if equipped for ULS)	
203	2131212	2	ADAPTER, 90, (includes o-ring), (if equipped for LS)	
204	8760548	1	ADAPTER, STRAIGHT, (includes o-ring), (if equipped for ULS)	
301		Ref	RADIATOR ASSY, (See ENGINE AND ATTACHING PARTS SECTION for Breakdown)	

FIGURE 8-12. MAIN CONTROL VALVE INSTALLATION

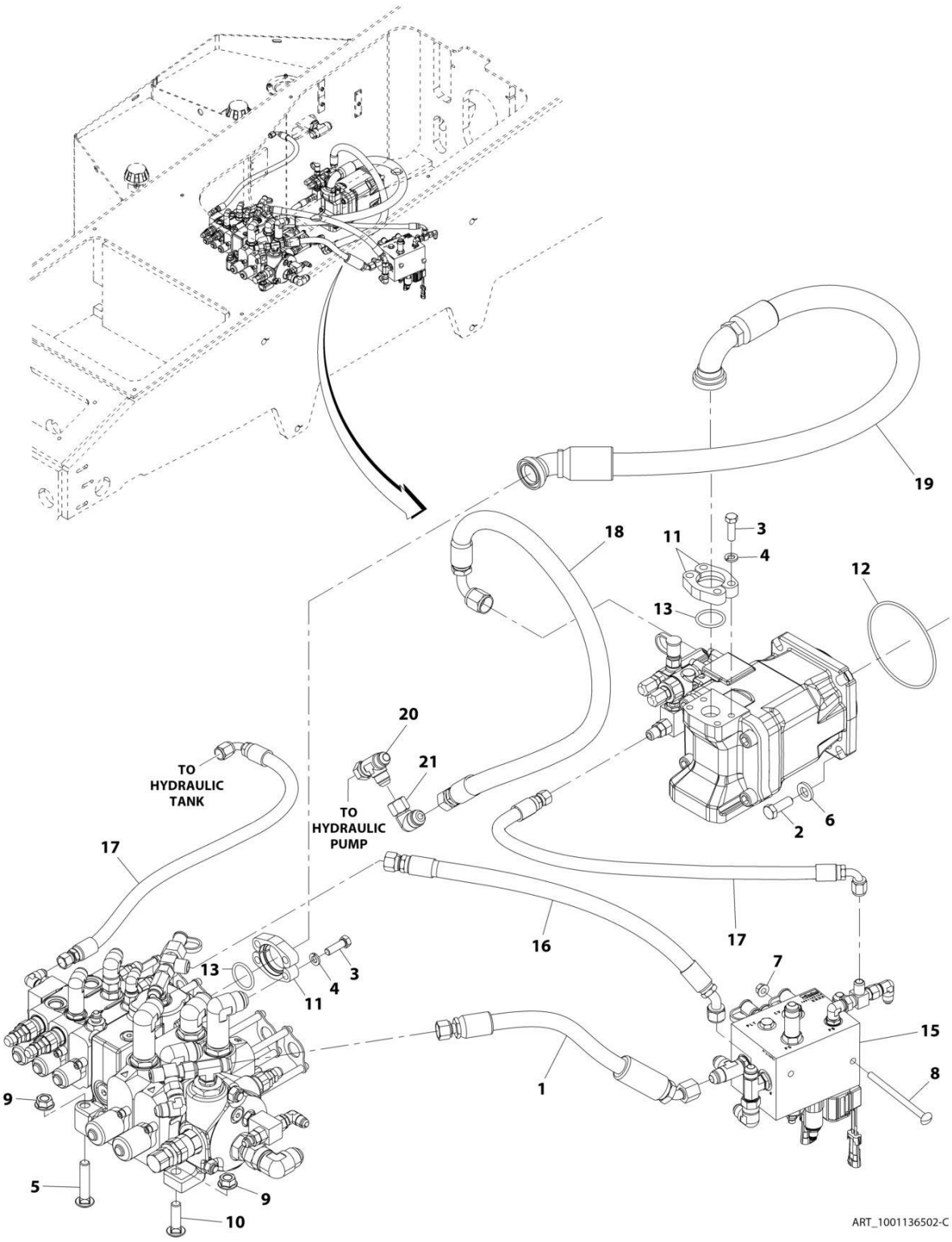


FIGURE 8-12. MAIN CONTROL VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001136502	Ref	MAIN CONTROL VALVE INSTALLATIO	C
1	2716661	1	HOSE	
2	8303519	4	HEX HD CAPSCREW, M12X1-3/4X35MM, PC8.8	
3	8303675	8	HEX HD CAPSCREW, 3/8-16X1-1/4, (torque to 31 lb-ft/42 Nm)	
4	8307005	8	LOCKWASHER, 3/8	
5	8310337	1	CARRIAGE BOLT, 1/2-13X2-1/2	
6	8310356	4	HARDENED WASHER, 12MM	
7	8310420	2	HEX FLANGE NUT, 5/16-18	
8	8310477	2	CARRIAGE BOLT, 5/16-18X2-1/4, GR2	
9	8310523	3	HEX FLANGE NUT, 1/2-13	
10	8310524	2	CARRIAGE BOLT, 1/2-13X1-3	
11	8530030	4	FLANGE HALF	
12	8630019	1	O-RING	
13	8640123	2	O-RING	
15	1001136556	1	VALVE, SECONDARY FUNCTION (See Separate Breakdown in HYDRAULIC COMPONANTS Section)	
16	1001136560	1	HOSE	
17	1001136561	2	HOSE	
18	1001136911	1	HOSE	
19	2716750	1	HOSE	
20	2220385	1	FEMALE RUN TEE	
21	91513140	1	FITTINGS	

SECTION 9 - HYDRAULIC COMPONENTS

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. LIFT CYLINDER

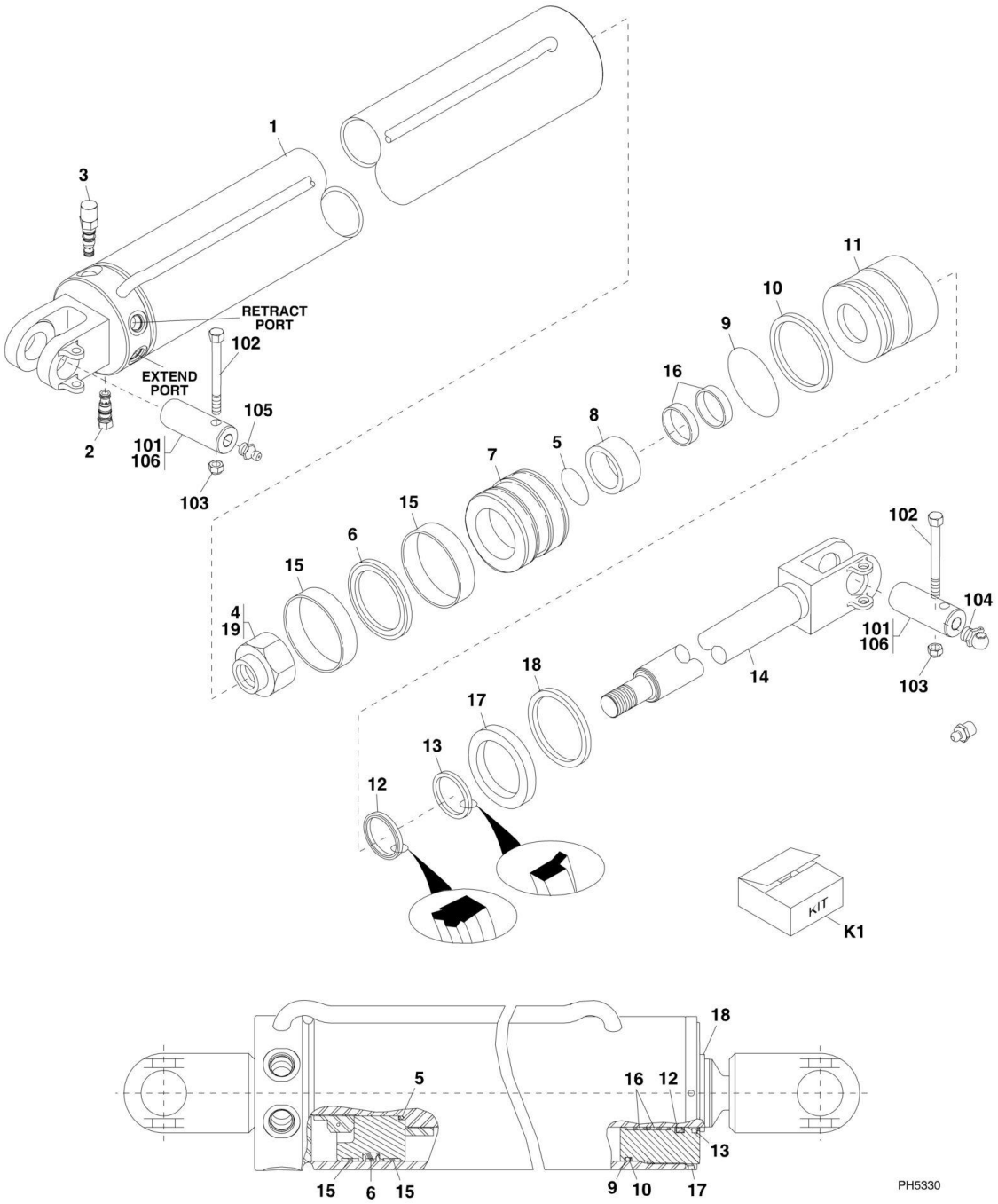


FIGURE 9-1. LIFT CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716617	2	BOOM LIFT CYLINDER, (includes items 1 thru 18), (included item quantities are per single cylinder)	D
1	N.S.S.	1	TUBE WELDMENT	
2	8036750	1	CHECK VALVE, 3550-4050 PSI, (torque to 30-35 lb-ft/41-47 Nm)	
2	2900770	1	SEAL KIT	
3	8035321	1	COUNTERBALANCE VALVE, 3550-4050 PSI, (torque to 30-35 lb-ft/41-47 Nm)	
3	8035327	1	SEAL KIT	
4	7026972	1	LOCKNUT, (Loctite and torque to 1750-2000 lb-ft/2370-2708 Nm)	
5	Kit	1	O-RING	
6	Kit	1	PISTON SEAL	
7	8035545	1	PISTON	
8	8035608	1	ROD SPACER	
9	Kit	1	O-RING	
10	Kit	1	BACK-UP RING	
11	8035609	1	GLAND	
12	Kit	1	ROD SEAL	
13	Kit	1	WIPER	
14	8035607	1	ROD	
15	Kit	2	WEARBAND	
16	Kit	2	WEARBAND	
17	8035610	1	LOCKING COLLAR, (torque to 300-400 lb-ft/406-542 Nm)	
18	8036168	1	SQUARE RING	
19	8526011	AR	LOCTITE 271, (apply to item 4)	
101	3423227	4	CYLINDER PIN, (base and rod ends)	
102	8303782	4	HEX HD CAPSCREW, 1/2-13X4, GR5	
103	8305644	4	HEX LOCKNUT, 1/2-13	
104	8520003	2	LUBE FITTING, 90	
105	8520001	2	STRAIGHT GREASE FITTING	
106	8522012	AR	ANTI-SEIZE LUBE, (apply to item 101)	
K1	8035386	2	SEAL KIT, (includes items 5, 6, 9, 10, 12, 13, 15 & 16)	

FIGURE 9-2. EXTEND/RETRACT CYLINDER (10054,8042)

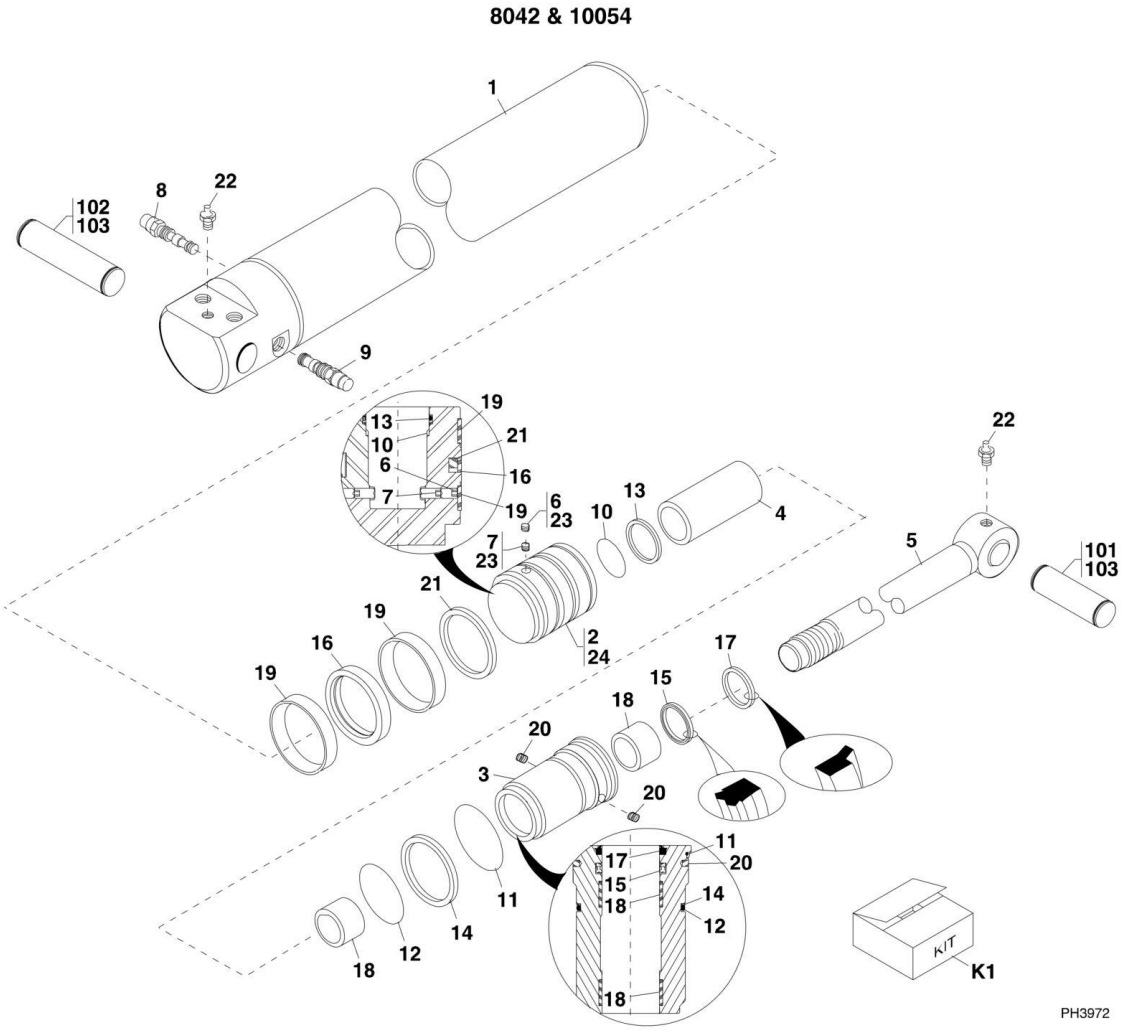


FIGURE 9-2. EXTEND/RETRACT CYLINDER (10054,8042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716173	1	BOOM EXTEND/RETRACT CYLINDER (includes items 1 thru 22)	G
1	N.S.S.	1	TUBE WELDMENT	
2	8035800	1	PISTON, (Loctite and torque to 390-460 lb-ft/528-624 Nm)	
3	8035539	1	HEAD GLAND, (torque to 300-400 lb-ft/406-542 Nm)	
4	8035616	1	ROD SPACER	
5	8035615	1	ROD WELDMENT	
6	8035536	1	SET SCREW, 5/16-18X1/2, (Loctite and torque to 9-11 lb-ft/12-15 Nm)	
7	8035315	1	SET SCREW, 5/16-18X0.63, (Loctite and torque to 9-11 lb-ft/12-15 Nm)	
8	8035514	1	COUNTERBALANCE VALVE, 3500 PSI, (torque to 150-160 lb-ft/203-217 Nm)	
8	8205657	1	SEAL KIT	
9	8034026	1	PILOT TO OPEN CHECK VALVE, (torque to 150-160 lb-ft/203-217 Nm)	
9	8205657	1	SEAL KIT	
10	Kit	1	O-RING	
11	Kit	1	O-RING	
12	Kit	1	O-RING	
13	Kit	1	BACK-UP RING	
14	Kit	1	BACK-UP RING	
15	Kit	1	ROD SEAL	
16	Kit	1	PISTON SEAL	
17	Kit	1	WIPER SEAL	
18	Kit	2	WEARBAND	
19	Kit	2	WEARBAND	
20	Kit	2	LOCKING INSERT	
21	Kit	1	SQUARE RING	
22	8520013	2	GREASE FITTING	
23	8526007	1	LOCTITE 242, (apply to items 6 & 7)	
24	8526011	1	LOCTITE 271, (apply to item 2)	
101	7096562	1	CYLINDER PIN, (rod end)	
102	7096552	1	CYLINDER PIN, (base end)	
103	8522012	AR	ANTI-SEIZE LUBE, (apply to items 101 & 102)	
K1	8036295	1	SEAL KIT, (includes items 10 thru 21)	

FIGURE 9-3. EXTEND/RETRACT CYLINDER (10042)

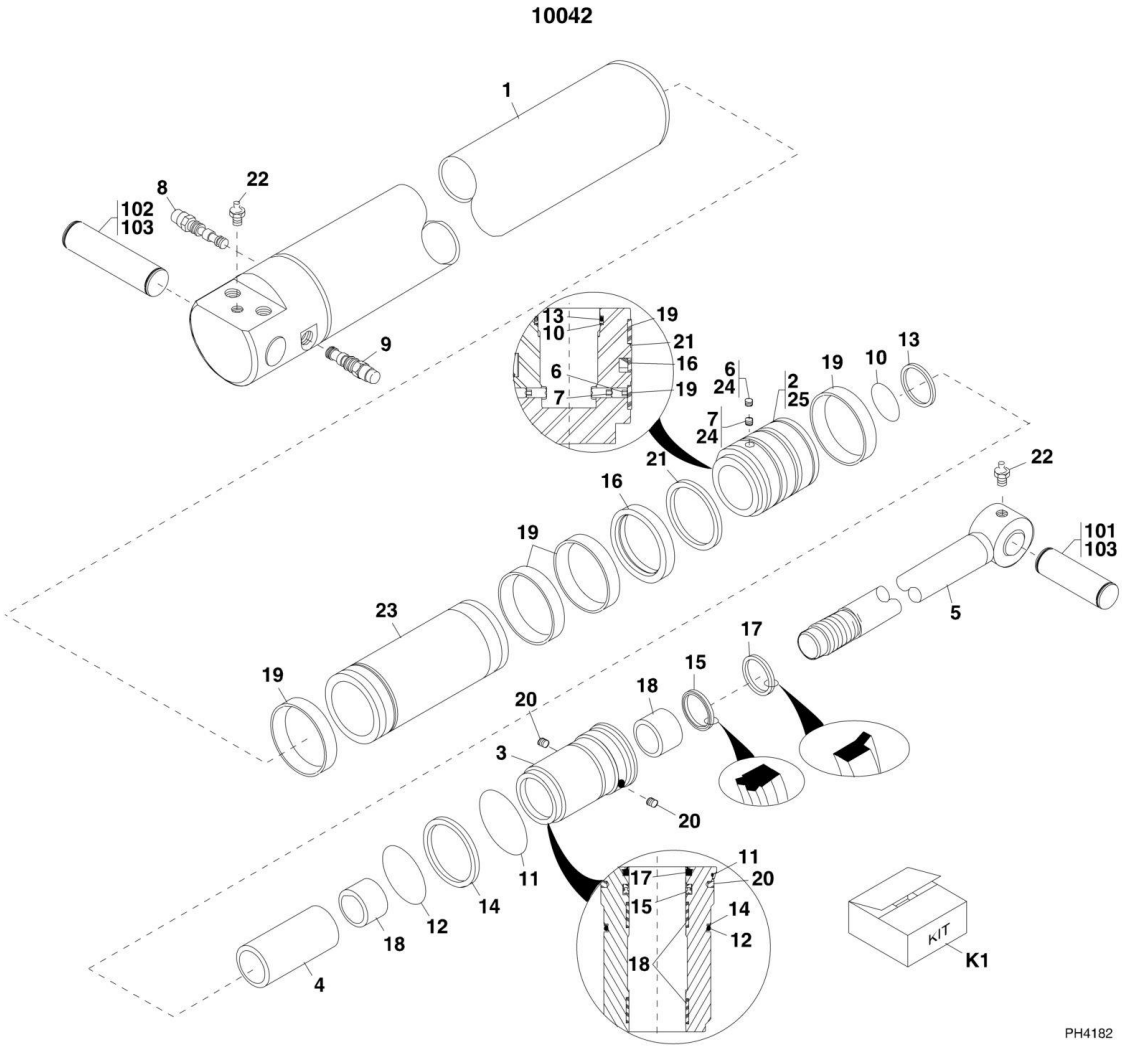


FIGURE 9-3. EXTEND/RETRACT CYLINDER (10042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717052	1	BOOM EXTEND/RETRACT CYLINDER (includes items 1 thru 23)	C
1	N.S.S.	1	TUBE WELDMENT	
2	8035800	1	PISTON, (Loctite and torque to 390-460 lb-ft/528-624 Nm)	
3	8035539	1	HEAD GLAND, (torque to 300-400 lb-ft/406-542 Nm)	
4	8035616	1	ROD SPACER	
5	8035615	1	ROD WELDMENT	
6	8035536	1	SET SCREW, 5/16-18X1/2, (Loctite and torque to 9-11 lb-ft/12-15 Nm)	
7	8035315	1	SET SCREW, 5/16-18X.63, (Loctite and torque to 9-11 lb-ft/12-15 Nm)	
8	8035514	1	COUNTERBALANCE VALVE, 3500 PSI, (torque to 150-160 lb-ft/203-217 Nm)	
8	8205657	1	SEAL KIT	
9	8034026	1	PILOT TO OPEN CHECK VALVE, (torque to 150-160 lb-ft/203-217 Nm)	
9	8205657	1	SEAL KIT	
10	Kit	1	O-RING	
11	Kit	1	O-RING	
12	Kit	1	O-RING	
13	Kit	1	BACK-UP RING	
14	Kit	1	BACK-UP RING	
15	Kit	1	ROD SEAL	
16	Kit	1	PISTON SEAL	
17	Kit	1	WIPER SEAL	
18	Kit	2	WEARBAND	
19	Kit	4	WEARBAND	
20	Kit	2	LOCKING INSERT	
21	Kit	1	SQUARE RING	
22	8520013	2	GREASE FITTING	
23	7026579	1	SPACER	
24	8526007	1	LOCTITE, 242, (apply to items 6 & 7)	
25	8526011	1	LOCTITE, 271, (apply to item 2)	
101	7096562	1	CYLINDER PIN, (rod end)	
102	7096552	1	CYLINDER PIN, (base end)	
103	8522012	AR	ANTI-SEIZE LUBE, (apply to items 101 & 102)	
K1	8036295	1	SEAL KIT, (includes items 10 thru 21)	

FIGURE 9-4. ATTACHMENT TILT CYLINDER

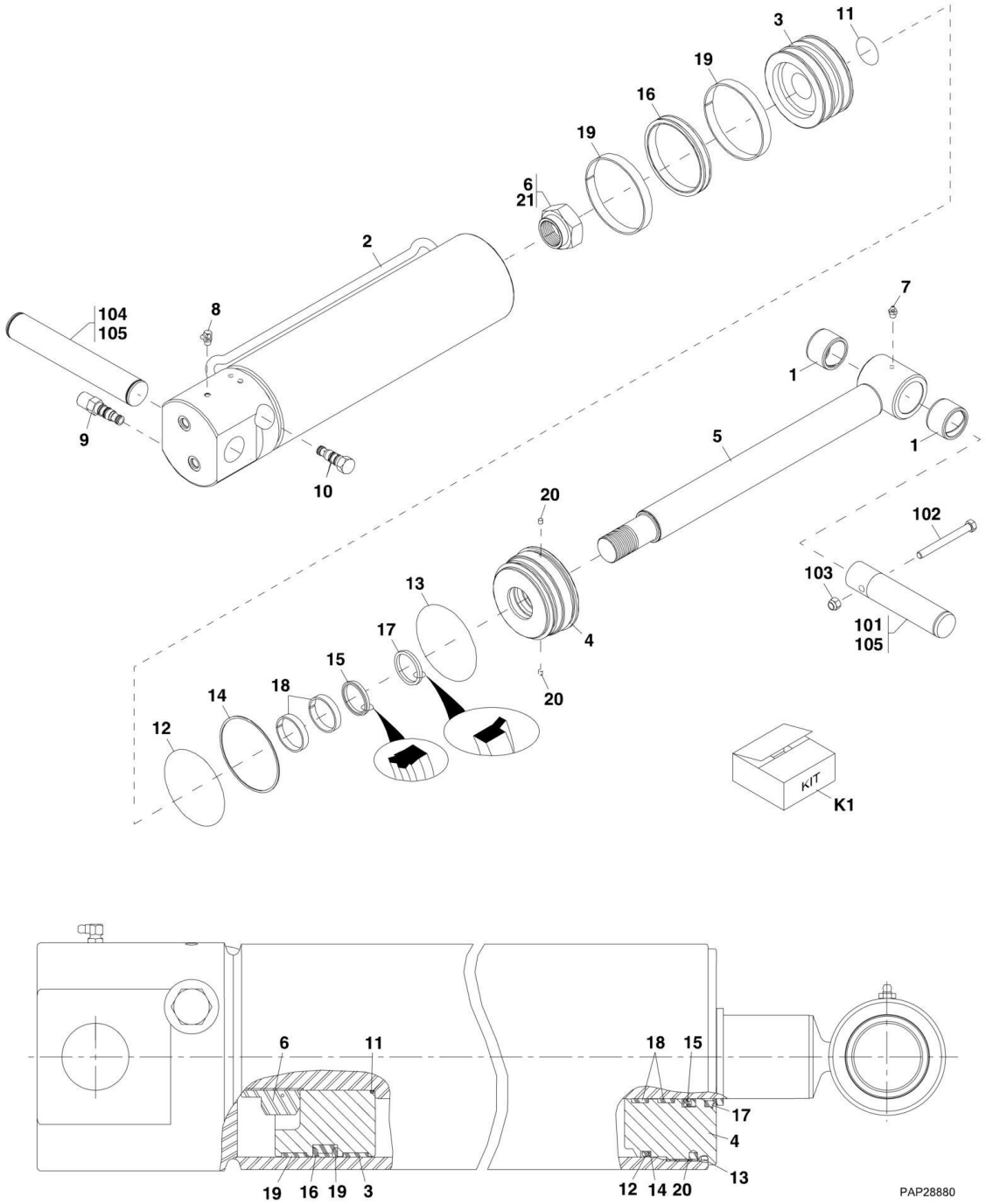


FIGURE 9-4. ATTACHMENT TILT CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716618	1	ATTACHMENT TILT CYLINDER, (includes items 1 thru 20)	I
1	7089722	AR	BEARING (SOLID DIAMETER)	
1	70031092	AR	BEARING (SPRING TOOTH DESIGN)	
2	N.S.S.	1	TUBE WELDMENT	
3	8036147	1	PISTON	
4	8036146	1	GLAND	
5	8036145	1	ROD WELDMENT	
6	8035308	1	LOCKNUT, 2-12, (Loctite and torque to 1850-2000 lb-ft/2508-2712 Nm)	
7	8520013	1	LUBE FITTING, STRAIGHT	
8	8520021	1	LUBE FITTING, 90	
9	8035321	1	COUNTERBALANCE VALVE, 4000 PSI, (torque to 30-35 lb-ft/41-47 Nm)	
9	8035327	1	SEAL KIT	
10	8036750	1	PO CHECK VALVE, (torque to 30-35 lb-ft/41-47 Nm)	
10	2900770	1	SEAL KIT	
11	Kit	1	O-RING	
12	Kit	1	O-RING	
13	Kit	1	O-RING	
14	Kit	1	BACK-UP RING	
15	Kit	1	DEEP Z-SEAL	
16	Kit	1	CAPPED T-SEAL	
17	Kit	1	WIPER SEAL	
18	Kit	2	PRECISION WEARBAND	
19	Kit	2	PRECISION WEARBAND	
20	Kit	2	LOCKING INSERT	
21	8526011	AR	LOCTITE 271, (apply to item 6)	
101	7083992	1	CYLINDER PIN, (rod end)	
102	8303772	1	HEX HD CAPSCREW, 1/2-13X5, GR5	
103	8305644	1	HEX LOCKNUT, 1/2-13	
104	7095522	1	CYLINDER PIN, (base end)	
105	8522012	AR	ANTI-SEIZE LUBE, (apply to items 101 & 104)	
K1	8035780	1	SEAL KIT, (includes items 11 thru 20)	

FIGURE 9-5. TILT COMPENSATION CYLINDER

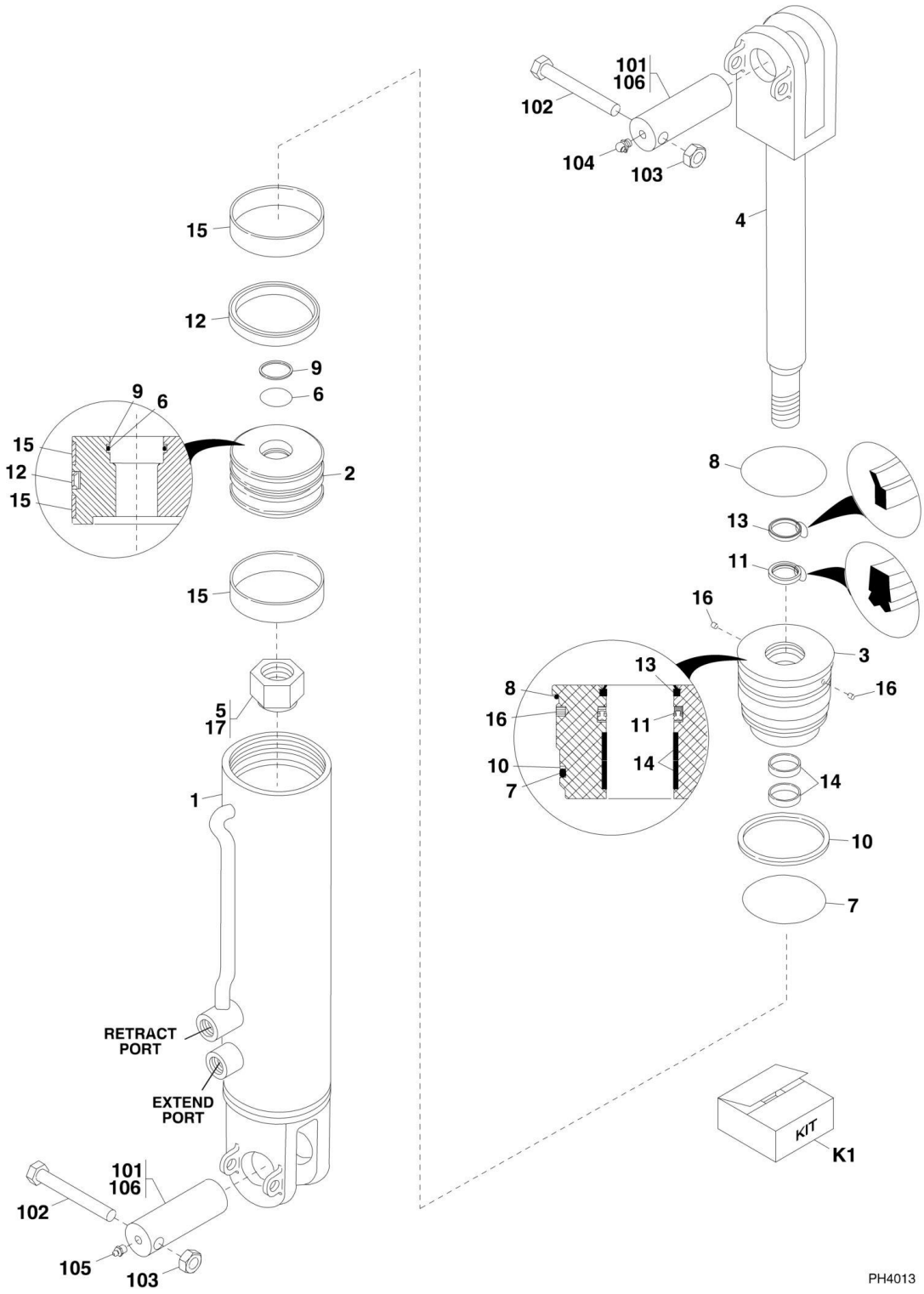


FIGURE 9-5. TILT COMPENSATION CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2714973	2	TILT COMPENSATION CYLINDER, (includes items 1 thru 16), (included item quantities are per single cylinder)	
1	8036001	1	CYLINDER TUBE	
2	8035613	1	PISTON	
3	8035612	1	HEAD GLAND, (torque to 300-400 lb-ft/406-542 Nm)	
4	8035611	1	ROD	
5	8035547	1	LOCKNUT, 1.375-12, (Loctite and torque to 900-1050 lb-ft/1220-1424 Nm)	
6	Kit	1	O-RING	
7	Kit	1	O-RING	
8	Kit	1	O-RING	
9	Kit	1	BACK-UP RING	
10	Kit	1	BACK-UP RING	
11	Kit	1	DEEP Z-SEAL	
12	Kit	1	CAPPED T-SEAL	
13	Kit	1	SEAL WIPER	
14	Kit	2	WEARBAND	
15	Kit	2	WEARBAND	
16	Kit	2	LOCKING INSERT	
17	8526011	AR	LOCTITE 271, (apply to item 5)	
101	3423227	4	CYLINDER PIN	
102	8303782	4	HEX HD CAPSCREW, 1/2-13X4, GR5	
103	8305644	4	LOCKNUT, 1/2-13	
104	8520003	2	LUBE FITTING, 90	
105	8520001	2	STRAIGHT GREASE FITTING	
106	8522012	AR	ANTI-SEIZE LUBE, (apply to item 101)	
K1	8034695	2	SEAL KIT, (includes items 6 thru 16)	

FIGURE 9-6. FRAME LEVEL CYLINDER (Prior to SN 0160076614, Including 0160076627 and 0160076629)

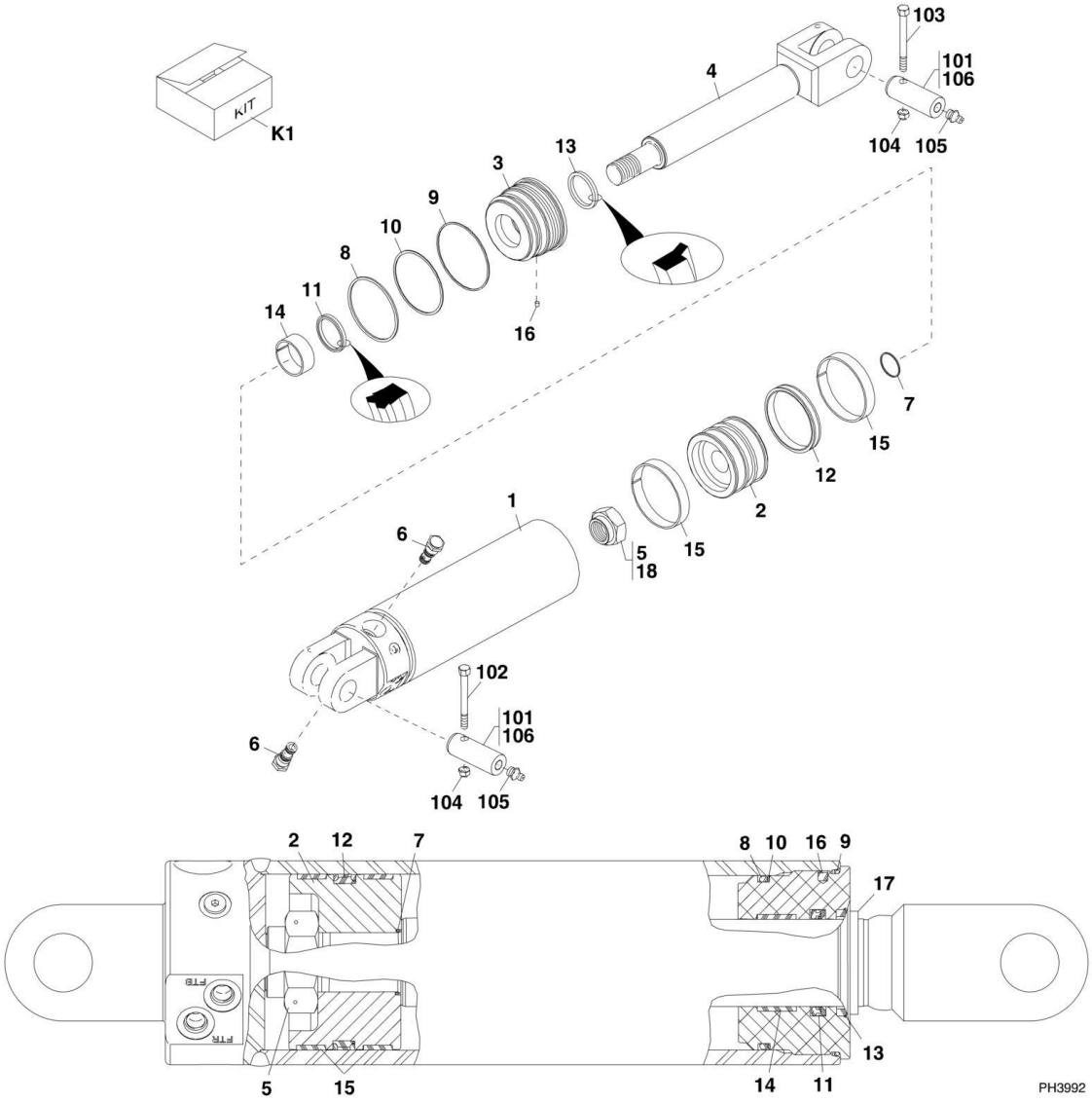


FIGURE 9-6. FRAME LEVEL CYLINDER (Prior to SN 0160076614, Including 0160076627 and 0160076629)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2716563	1	FRAME LEVEL CYLINDER, (includes items 1 thru 17)	C
1	N.S.S.	1	TUBE WELDMENT	
2	8035323	1	PISTON	
3	8035324	1	HEAD GLAND, (torque to 300-400 lb-ft/406-542 Nm)	
4	8035758	1	ROD WELDMENT	
5	8035322	1	HEX LOCKNUT, 1-1/2-12, (Loctite and torque to 1100-1250 lb-ft/1490-1693 Nm)	
6	8035757	2	PO CHECK VALVE, SERIES 10, (torque to 35-40 lb-ft/47-54 Nm)	
6	8035327	1	SEAL KIT	
7	Kit	1	O-RING	
8	Kit	1	O-RING	
9	Kit	1	O-RING	
10	Kit	1	BACK-UP RING	
11	Kit	1	DEEP Z-SEAL	
12	Kit	1	CAPPED T-SEAL	
13	Kit	1	SEAL WIPER	
14	Kit	1	PRECISION WEARBAND	
15	Kit	2	PRECISION WEARBAND	
16	Kit	1	LOCKING INSERT	
17	70021564	1	SQUARE RING	
18	8526011	AR	LOCTITE 271, (apply to item 5)	
101	7137142	2	CYLINDER PIN	
102	8303752	1	HEX HD CAPSCREW, 5/16-18X3-1/2	
103	8310039	1	HEX HD CAPSCREW, 5/16-18X3-3/4, GR5	
104	8305626	2	HEX LOCKNUT, 5/16-18	
105	8520001	2	STRAIGHT GREASE FITTING	
106	8522012	AR	ANTI-SEIZE LUBE, (apply to item 101)	
K1	8035326	1	SEAL KIT, (includes items 7 thru 16)	

FIGURE 9-7. FRAME LEVEL CYLINDER (SN 0160076614 through 0160076626, SN 0160076630 to Present, Including 0160076628, Excluding 0160076627 and 0160076629)

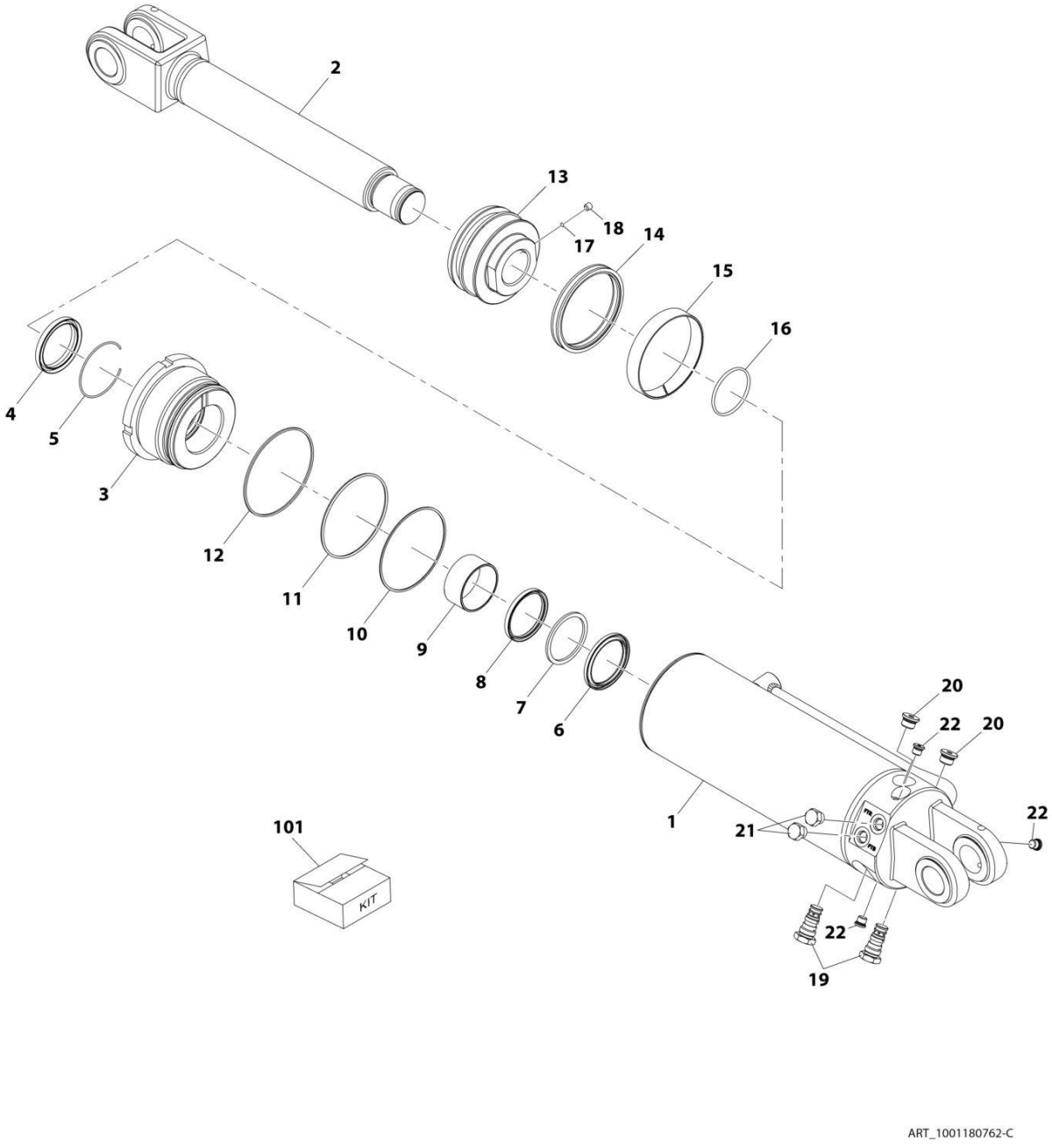


FIGURE 9-7. FRAME LEVEL CYLINDER (SN 0160076614 through 0160076626, SN 0160076630 to Present, Including 0160076628, Excluding 0160076627 and 0160076629)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180762	1	FRAME LEVEL CYLINDER	C
1	70027689	1	TUBE ASSEMBLY	
2	70027690	1	ROD ASSEMBLY	
3	70027691	1	GLAND	
4	Kit	1	DUST WIPER	
5	70027244	1	RETAIN RING	
6	Kit	1	ROD SEAL	
7	Kit	1	BACK-UP RING	
8	Kit	1	BUFFER RING	
9	70004637	1	DRY BEARING	
10	Kit	1	PISTON SEAL	
11	Kit	1	WEAR RING	
12	Kit	1	O-RING	
13	70027692	1	PISTON	
14	Kit	1	PISTON SEAL	
15	Kit	1	WEAR RING	
16	Kit	1	O-RING	
17	70022564	1	STEEL BALL	
18	70022563	1	SET SCREW	
19	70027693	2	CHECK VALVE	
20	70027694	2	HEX SOC PLUG	
21	70027695	2	HEX PLUG	
22	2220883	3	HEX SOC PLUG	
101	70027696	1	SEAL KIT, (includes items 4, 6, 7, 8, 10, 11,12 & 14 thru 16)	

FIGURE 9-8. STABIL-TRAK CYLINDER

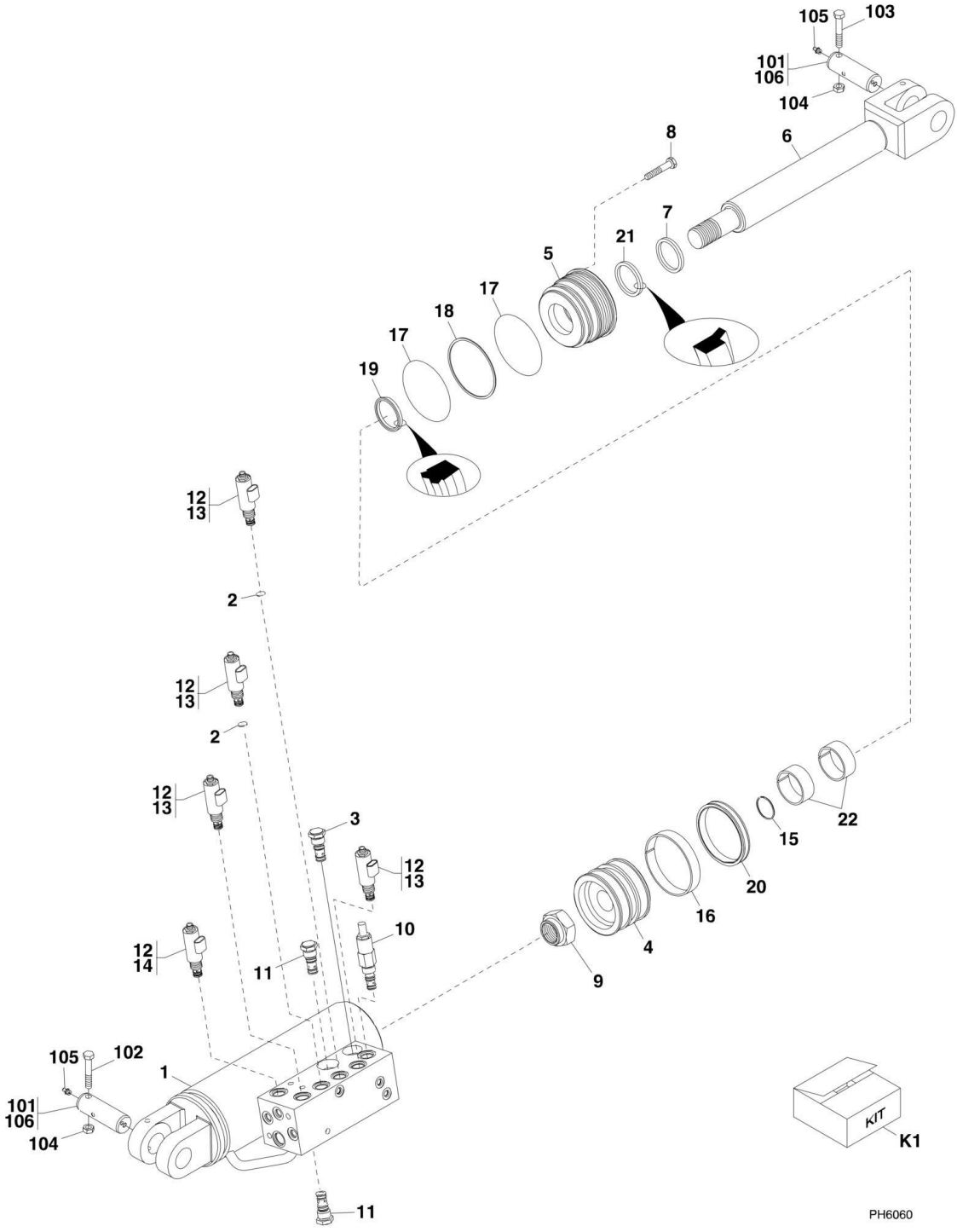


FIGURE 9-8. STABIL-TRAK CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717198	1	STABIL-TRAK CYLINDER, (includes all items)	E
1	N.S.S.	1	TUBE WELDMENT	
2	8035781	2	CONICAL ORIFICE DISK, 0.06 DIA	
3	8036582	1	CHECK VALVE, (torque to 20-25 lb-ft/27-34 Nm)	
3	7017496	1	SEAL KIT	
4	8036826	1	PISTON	
5	8036828	1	GUIDE, (torque to 300-350 lb-ft/406-474 Nm)	
6	8036827	1	ROD WELDMENT	
7	7029153	1	O-RING	
8	8036811	1	HEX SOCKET SET SCREW, 1/4-20X3/8, (torque to 3-4 lb-ft/4-5 Nm)	
9	8036825	1	LOCKNUT, 1-1/2-12, (torque to 1175-1400 lb-ft/1591-1896 Nm)	
10	8035282	1	PRESSURE REDUCING VALVE, (torque to 35-40 lb-ft/47-54 Nm)	
10	8032994	1	SEAL KIT	
11	8035281	2	PO CHECK VALVE, SERIES 10, (torque to 35-40 lb-ft/47-54 Nm)	
11	8036192	2	SEAL KIT	
12	7029246	5	SOLENOID COIL, (torque to 25-30 lb-ft/34-41 Nm)	
13	8036581	4	SOLENOID VALVE, 2 WAY, 12V	
13	7017496	4	SEAL KIT	
14	8036580	1	SOLENOID VALVE, 4 WAY, 12V	
14	7012903	1	SEAL KIT	
15	Kit	1	O-RING	
16	Kit	1	WEAR RING	
17	Kit	2	O-RING	
18	Kit	1	BACK-UP RING	
19	Kit	1	DEEP Z-SEAL	
20	Kit	1	CAPPED T-SEAL	
21	Kit	1	WIPER RING	
22	Kit	2	WIPER RING	
101	7137142	2	CYLINDER PIN	
102	8303752	1	HEX HD CAPSCREW, 5/16-18X3-1/2	
103	8310039	1	HEX HD CAPSCREW, 5/16-18X3-3/4, GR5	
104	8305626	2	HEX LOCKNUT, 5/16-18	
105	8520001	2	STRAIGHT GREASE FITTING	
106	8522012	AR	ANTI-SEIZE LUBE, (apply to item 101)	
K1	8036747	1	SEAL KIT, (includes items 15 thru 22)	

FIGURE 9-9. OUTRIGGER CYLINDER

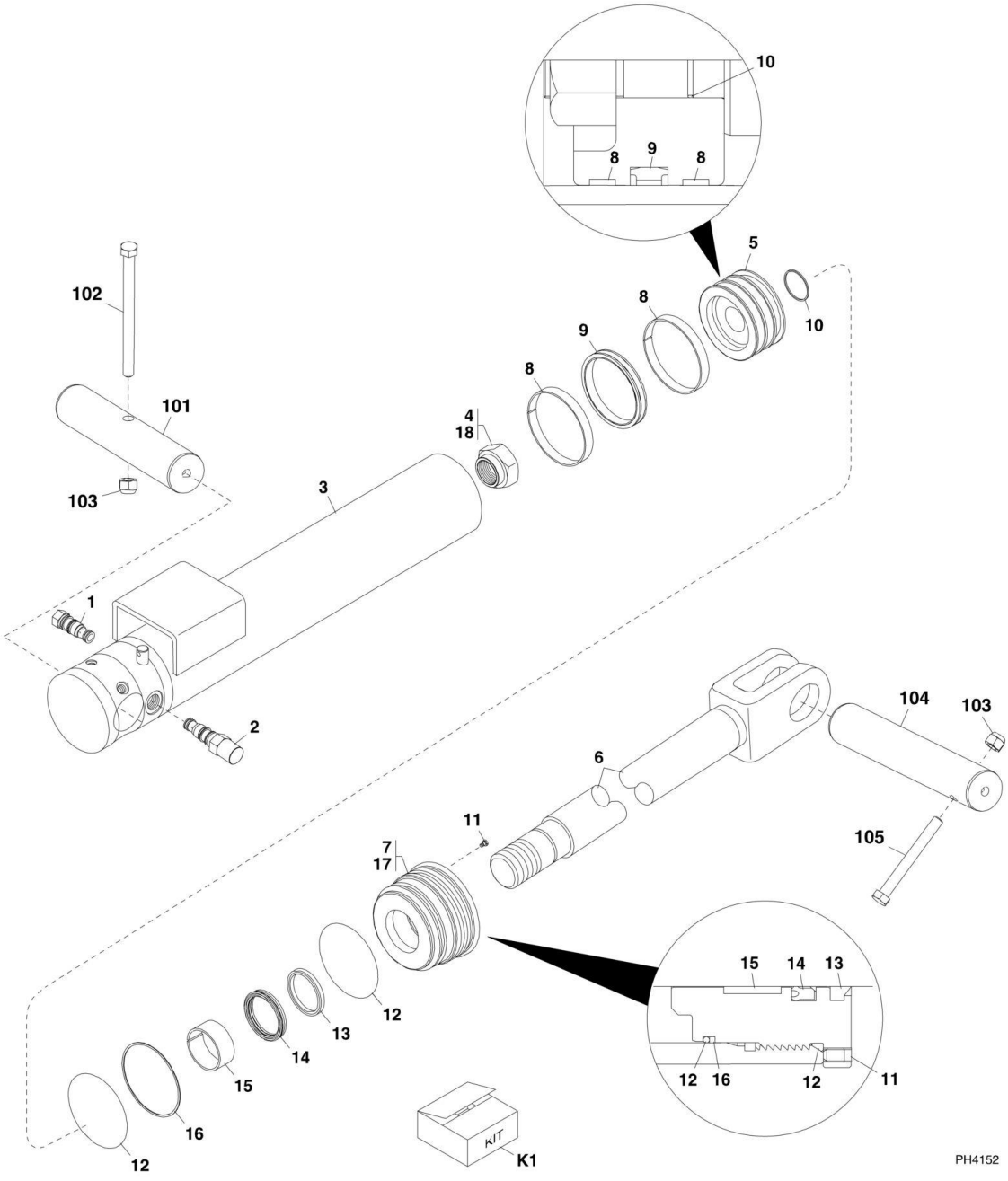


FIGURE 9-9. OUTRIGGER CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717201	2	OUTRIGGER CYLINDER, (includes items 1 thru 16), (included item quantities are per single cylinder)	E
1	8036750	1	PO CHECK VALVE, (torque to 30-35 lb-ft/41-47 Nm)	
1	2900770	1	SEAL KIT	
2	8036732	1	COUNTERBALANCE VALVE, 1000 PSI, (torque to 30-35 lb-ft/41-47 Nm)	
2	8035327	1	SEAL KIT	
3	70020658	1	BARREL ASSY	
4	8036825	1	LOCKNUT, 1-1/2-12, GRC, (Loctite and torque to 1650-1800 lb-ft/2235-2438 Nm)	
5	8036837	1	PISTON	
6	8036838	1	ROD WELDMENT	
7	8036839	1	HEAD GLAND, (Loctite and torque to 250-350 lb-ft/339-474 Nm)	
8	Kit	2	PRECISION WEARBAND	
9	Kit	1	CAPPED T-SEAL	
10	Kit	1	O-RING	
11	8036811	1	SET SCREW, 1/4-20X3/8	
12	Kit	2	O-RING	
13	Kit	1	WIPER RING	
14	Kit	1	Z-SEAL	
15	Kit	1	PRECISION WEARBAND	
16	Kit	1	BACK-UP RING	
17	8526007	AR	LOCTITE 242, (apply to item 7)	
18	8526011	AR	LOCTITE 271, (apply to item 4)	
101	7090871	2	CYLINDER PIVOT PIN, (base end)	
102	8310151	2	HEX HD CAPSCREW, 1/2X7, GR5	
103	8305644	4	LOCKNUT, 1/2	
104	7090951	2	CYLINDER PAD PIVOT PIN, (rod end) **(Prior to SN 0160049047)**	
104	1001147515	2	OUTRIGGER SHOE PIN **(SN 0160049047 to Present)**	
105	8303629	2	HEX HD CAPSCREW, 1/2X4-1/2, GR5	
K1	8036784	2	SEAL KIT, (includes items 8 thru 10 & 12 thru 16)	

FIGURE 9-10. 50IN SIDE SHIFT CARRIAGE CYLINDER

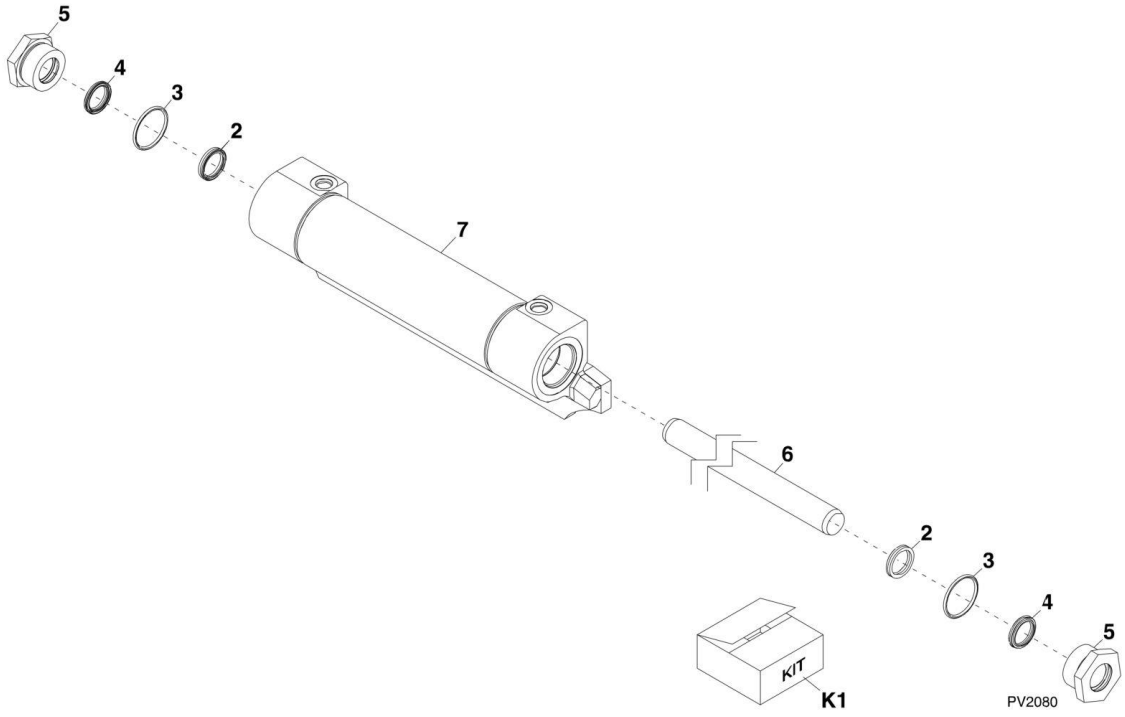


FIGURE 9-10. 50IN SIDE SHIFT CARRIAGE CYLINDER

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

FIGURE 9-11. MAIN CONTROL VALVE

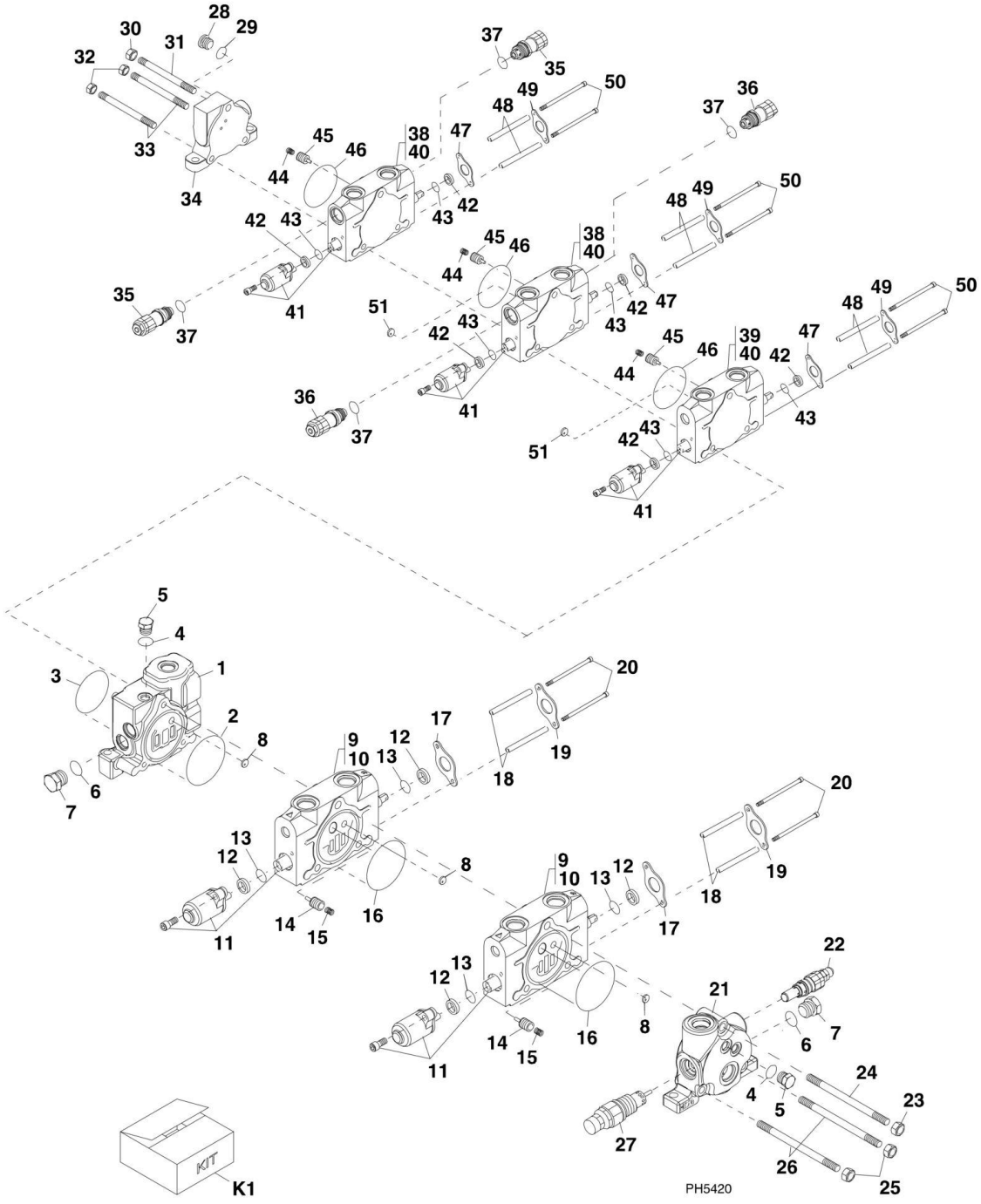


FIGURE 9-11. MAIN CONTROL VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8902188	1	MAIN CONTROL VALVE, (includes all items)	
1	8035849	1	MID-INLET SECTION ASSY, (includes items 2 & 3)	
2	8034697	1	O-RING	
3	10837923	1	O-RING	
4	Kit	2	O-RING	
5	8035843	2	PLUG, (torque to 18 lb-ft/24 Nm)	
6	8036517	2	O-RING	
7	8035834	2	PLUG, (torque to 18 lb-ft/24 Nm)	
8	8035845	3	SHUTTLE	
9	8036179	2	BOOM EXTEND/RETRACT AND LIFT/LOWER SECTION ASSY, (includes items 10 thru 17)	
10	N.S.S.	2	SPOOL HOUSING	
11	N.S.S.	2	SPOOL ASSY	
12	Kit	4	WIPER	
13	Kit	4	O-RING	
14	8035367	2	POPPET	
15	8035358	2	SPRING	
16	8034697	2	O-RING	
17	8036257	2	PLATE SEAL	
18	8036259	4	SPACER	
19	8036257	2	PLATE SEAL	
20	8035377	4	SOCKET HEAD CAPSCREW, (torque to 7 lb-ft/9.5 Nm)	
21	8036263	1	OUTLET SECTION ASSY	
22	8036176	1	LOAD SENSE RELIEF VALVE, 2550-2650 PSI, (torque to 33 lb-ft/45 Nm)	
22	8036184	1	SEAL AND SPRING KIT	
23	8035347	1	NUT, (torque to 74 lb-ft/100 Nm)	
24	8036282	1	TIE ROD	
25	8035381	2	NUT, (torque to 48 lb-ft/65 Nm)	
26	8036281	2	TIE ROD	
27	8035844	1	MAIN RELIEF VALVE, 3450-3550 PSI, (torque to 48 lb-ft/65 Nm)	
27	8036183	1	SEAL AND SPRING KIT	
28	8035843	1	PLUG, (torque to 18 lb-ft/24 Nm)	
29	Kit	1	O-RING	
30	8035346	1	NUT, (torque to 33 lb-ft/45 Nm)	
31	8036283	1	TIE ROD	
32	8035348	2	NUT, (torque to 18 lb-ft/24 Nm)	
33	8036284	2	TIE ROD	
34	8035848	1	OUTLET SECTION ASSY	
35	8036174	2	RELIEF ASSY VALVE, 3200-3300 PSI, (torque to 33 lb-ft/45 Nm), (includes item 37)	
35	8036185	1	SEAL AND SPRING KIT	
36	8036175	2	RELIEF VALVE ASSY, 3200-3300 PSI, (torque to 33 lb-ft/45 Nm), (includes item 37)	
36	8035855	1	SEAL AND SPRING KIT	
37	10837943	4	O-RING	
38	8036178	2	AUXILIARY AND ATTACHMENT TILT SECTION ASSY, (includes items 40 thru 47)	
39	8036177	1	FRAME LEVEL/STABIL-TRAK SECTION ASSY, (includes items 40 thru 47)	
40	N.S.S.	3	SPOOL HOUSING	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	N.S.S.	3	SPOOL ASSY	
42	Kit	2	WIPER	
43	Kit	2	O-RING	
44	8035365	3	SPRING	
45	8035366	3	PISTON COMPENSATOR	
46	8036260	3	O-RING	
47	8036258	3	PLATE SEAL	
48	8036259	6	SPACER	
49	8036258	3	PLATE SEAL	
50	8035377	6	SOCKET HEAD CAPSCREW, (torque to 7 lb-ft/9.5 Nm)	
51	8035845	2	SHUTTLE	
K1	8036180	1	SEAL KIT, (includes items 2, 3, 4, 12, 13, 16, 29, 37, 42, 43 & 46)	

FIGURE 9-12. PISTON PUMP

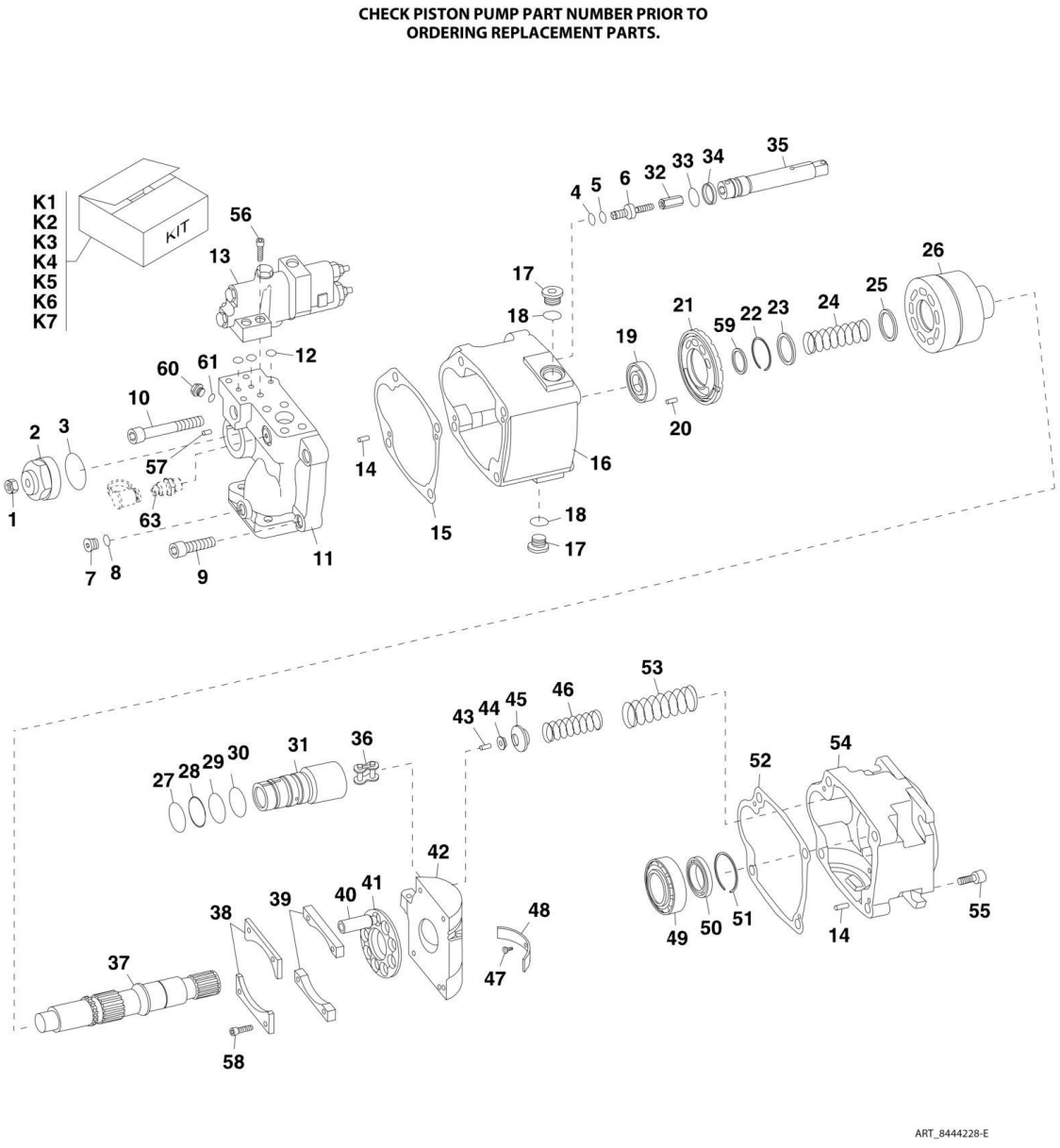


FIGURE 9-12. PISTON PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8444228	1	PISTON PUMP, (RED), (if equipped), (includes all items)	E
1	8035567	1	JAM NUT, (torque to 13.3-17.8 lb-ft/18-24.1 Nm)	
2	8035568	1	CAP, (s stop), (torque to 192.4-222 lb-ft/260.6-300.1 Nm)	
2	8035569	1	CAP, (f stop), (torque to 192.4-222 lb-ft/260.6-300.1 Nm)	
3	Kit	1	O-RING	
4	Kit	1	BACK-UP RING	
5	Kit	1	O-RING	
6	8035570	1	ADJUSTMENT SCREW	
7	8035571	2	SAE GAGE PORT PLUG, (torque to 29-32 lb-ft/39-43 Nm)	
7	8035572	2	ISO GAGE PORT PLUG, (torque to 29-32 lb-ft/39-43 Nm)	
8	Kit	2	O-RING	
9	8035573	3	SCREW, (torque to 76.2-94 lb-ft/103.2-127.3 Nm)	
10	8035574	1	SCREW, (torque to 76.2-94 lb-ft/103.2-127.3 Nm)	
11	8035575	1	VALVE BLOCK	
12	70021557	3	O-RING	
13	Kit	1	CONTROL SUBASSY	
14	8035577	4	PIN	
15	Kit	1	GASKET	
16	8035578	1	HOUSING	
17	8035579	2	DRAIN PLUG, (torque to 55.5-61.4 lb-ft/75.2-83.2 Nm)	
18	8035580	2	O-RING	
19	Kit	1	BEARING	
20	8035581	1	PIN	
21	8035582	1	VALVE PLATE	
22	Kit	1	RETAINING RING	
23	Kit	1	SPRING GUIDE	
24	Kit	1	SPRING	
25	Kit	1	SPRING GUIDE	
26	Kit	1	CYLINDER BLOCK	
27	Kit	1	BACK-UP RING	
28	Kit	1	O-RING	
29	Kit	1	O-RING	
30	Kit	1	BACK-UP RING	
31	8035583	1	CONTROL SLEEVE	
32	8035584	1	HEX NUT	
33	Kit	1	O-RING	
34	Kit	1	GLIDE RING	
35	8035585	1	CONTROL PISTON	
36	8035586	1	CHAIN LINK	
37	8035587	1	SHAFT	
38	Kit	2	LIMITER PLATE	
39	Kit	2	SPACER	
40	Kit	9	PISTON AND SHOES SUBASSY	
41	Kit	1	SHOE CAGE	
43	Kit	1	YOKE	
43	Kit	1	PIN	
44	8035588	1	BUTTON	
45	Kit	1	SEAT	
46	8035589	1	SPRING	
47	Kit	2	SCREW, (torque to 2.7-3.3 lb-ft/3.7-4.5 Nm)	

SECTION 9 - HYDRAULIC COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	Kit	2	SADDLE BEARING	
49	Kit	1	BEARING	
50	Kit	1	SHAFT SEAL	
51	Kit	1	RETAINING RING	
52	Kit	1	GASKET	
53	8035590	1	SPRING	
54	8035591	1	FLANGE	
55	8035592	4	SCREW, (torque to 76.2-94 lb-ft/103.2-127.3 Nm)	
56	8035593	4	SCREW, (torque to 23-27.4 lb-ft/31.2-37.1 Nm)	
57	8035595	1	PIN	
58	8035596	4	SCREW, (torque to 9.6-11 lb-ft/13-14.9 Nm)	
59	Kit	1	SHAFT SPACER	
60	8035597	2	PLUG	
61	8035598	2	O-RING, (torque to 11.1-11.8 lb-ft/15-16 Nm)	
63	8430033	1	STRAIGHT MALE NIPPLE	
K1	8036181	1	CONTROL KIT, (includes items 13 & 56)	
K2	8035561	1	SEAL KIT, (includes items 3 thru 5, 8, 15, 27 thru 30, 33, 34, 51 & 52)	
K3	8035562	1	ROTATING GROUP KIT, (includes items 22 thru 26, 38 thru 41 & 58)	
K4	8035563	1	YOKE AND SADDLE BEARING KIT, (includes items 42, 43, 45, 47 & 48)	
K5	8035564	1	SHAFT BEARING KIT, (includes items 19 & 49)	
K6	8035565	1	SHAFT SEAL KIT, (includes items 50 & 51)	
K7	8035566	1	SHAFT SPACER KIT, (includes item 59)	

FIGURE 9-13. PISTON PUMP

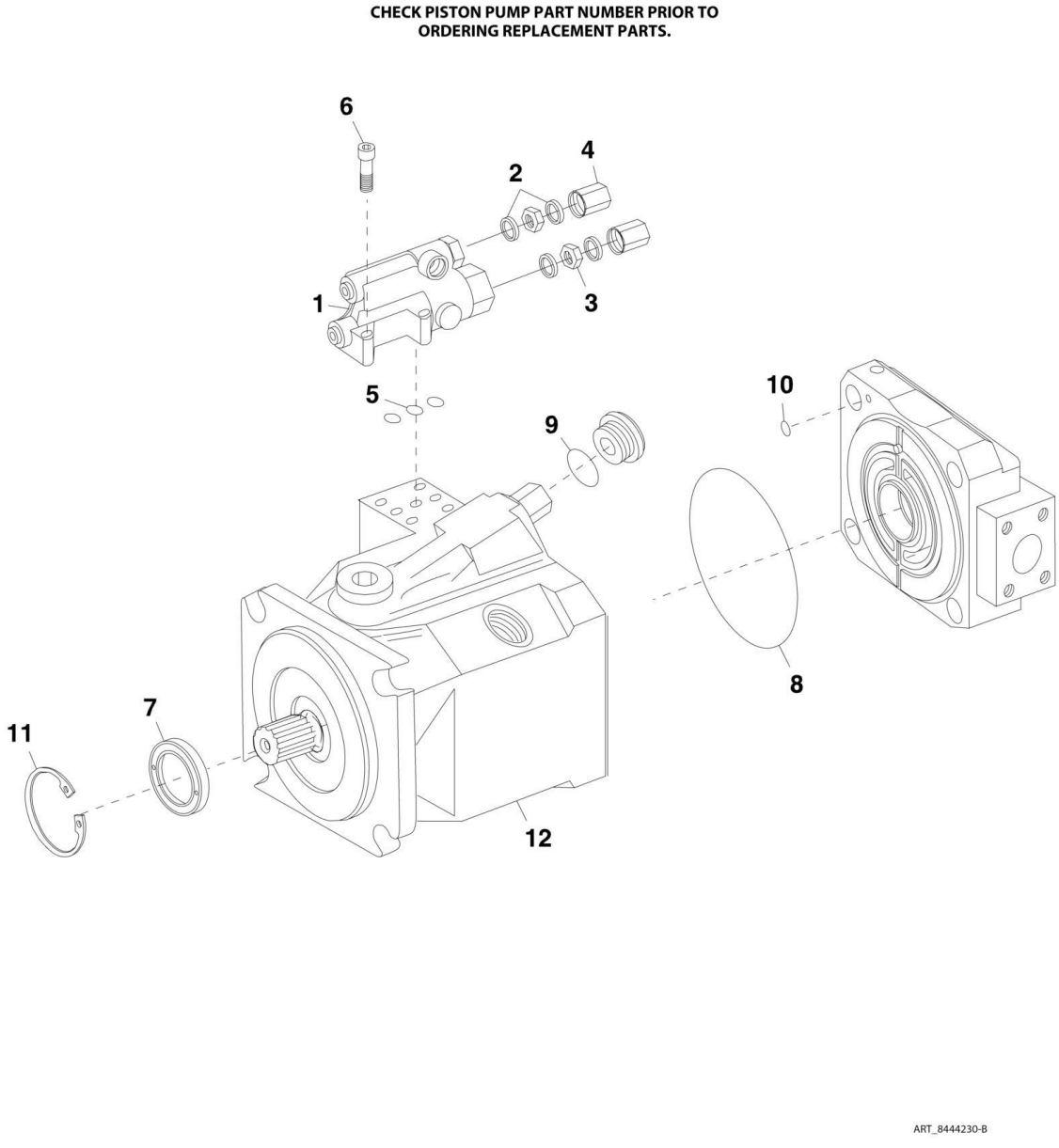


FIGURE 9-13. PISTON PUMP

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

FIGURE 9-14. PISTON PUMP (Prior to SN 0160059878)

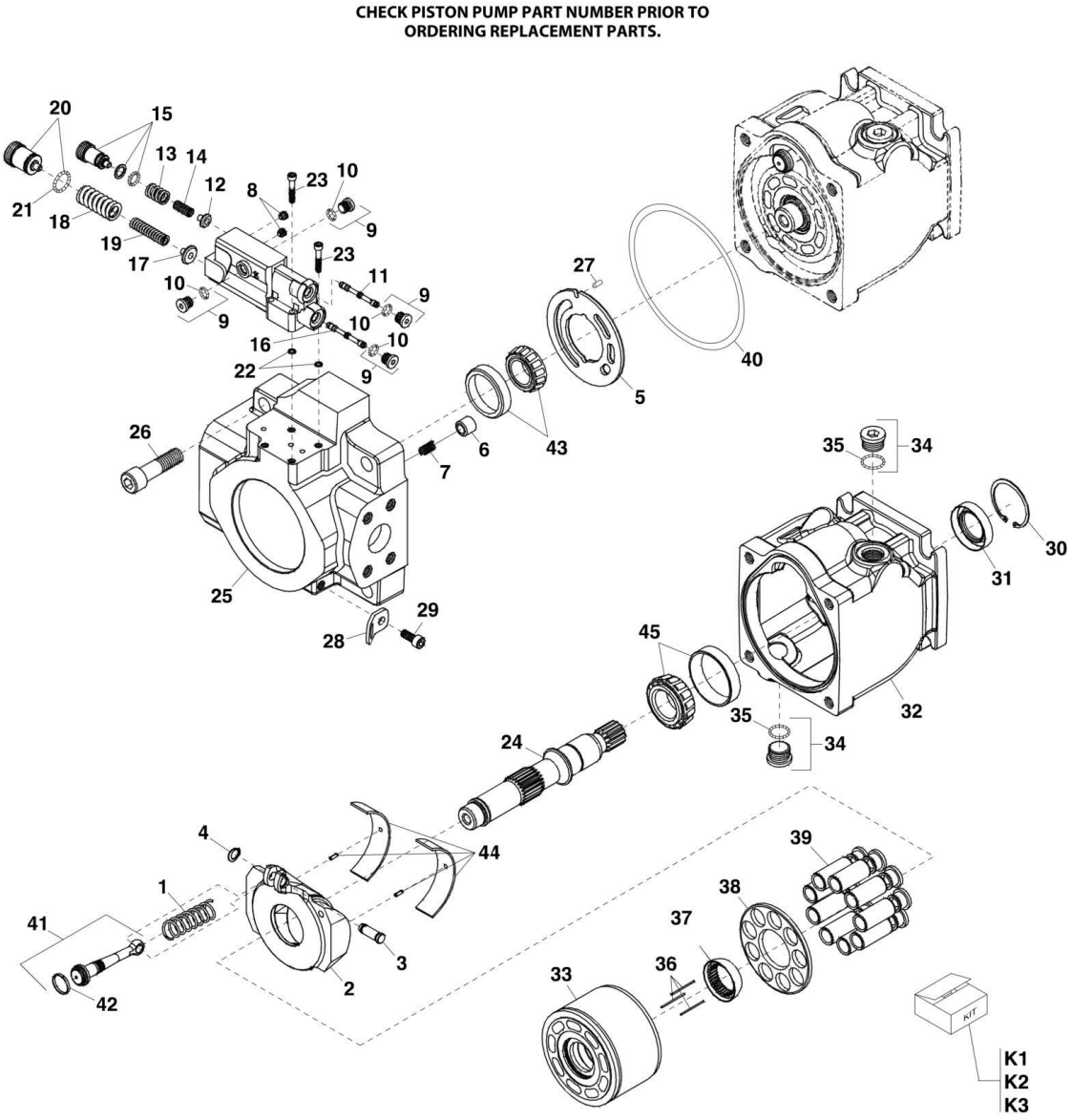


FIGURE 9-14. PISTON PUMP (Prior to SN 0160059878)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001135002	1	PISTON PUMP, (GREY), (if equipped), (includes all items)	D
1	70002580	1	BIAS SPRING	
2	70002581	1	SWASHPLATE	
3	70002582	1	RETAINER PIN	
4	70002583	1	RETAINING RING	
5	70002584	1	RH PLATE	
6	70001956	1	CHECK VALVE POPPET	
7	70001955	1	SPRING	
8	70023351	2	SET SCREW	
9	70002133	4	PLUG ASSY, (includes item 10)	
10	7007207	4	O-RING	
11	70023352	1	SPOOL	
12	70023353	1	LH SPRING GUIDE	
13	70023354	1	LEFT SIDE OUTER SPRING	
14	70023355	1	LEFT SIDE INNER SPRING	
15	70024039	1	LEFT SIDE ADJUSTING PLUG	
16	70023352	1	CONTROL SPOOL	
17	70023357	1	PC SPRING GUIDE	
18	70023358	1	PC OUTER SPRING	
19	70023359	1	PC INNER SPRING	
20	70024040	1	PC ADJUSTING SPRING, (includes item 21)	
21	N.S.S.	1	O-RING	
22	70023362	4	SEAL RING	
23	70023363	4	SCREW	
24	70023364	1	SHAFT, (14 tooth)	
25	70024041	1	RADIAL END CAP	
26	70002588	4	SCREW	
27	7007446	1	SLOTTED PIN	
28	7022340	1	LIFTING BRACKET	
29	70002590	1	SCREW	
30	7023962	1	RETAINING RING	
31	70022287	1	LIP SEAL	
32	70022288	1	HOUSING	
33	70023996	1	CYLINDER BLOCK ASSY	
34	7023964	2	PLUG, (includes item 35)	
35	7007415	2	O-RING	
36	7021275	3	HOLD DOWN RING	
37	70002592	1	SLIPPER RETAINER GUIDE	
38	70002593	1	SLIPPER RETAINER	
39	70023997	9	PISTON ASSY	
40	70002595	1	END CAP SEAL	
41	70023998	1	PISTON ASSY, (includes item 42)	
42	70023999	1	PISTON RING	
43	70002585	1	REAR BEARING KIT	
44	70002579	1	SWASHPLATE BEARING KIT	
45	70002578	1	FRONT BEARING KIT	
K1	70024000	1	CYLINDER BLOCK KIT, (includes items 33 & 36 thru 39)	
K2	70023350	1	CONTROL KIT, (includes items 8 thru 23)	
K3	70002599	1	SEAL KIT, (includes items 10, 15, 21, 22, 31, 35 & 40)	

FIGURE 9-15. PISTON PUMP (SN 0160059878 to Present)

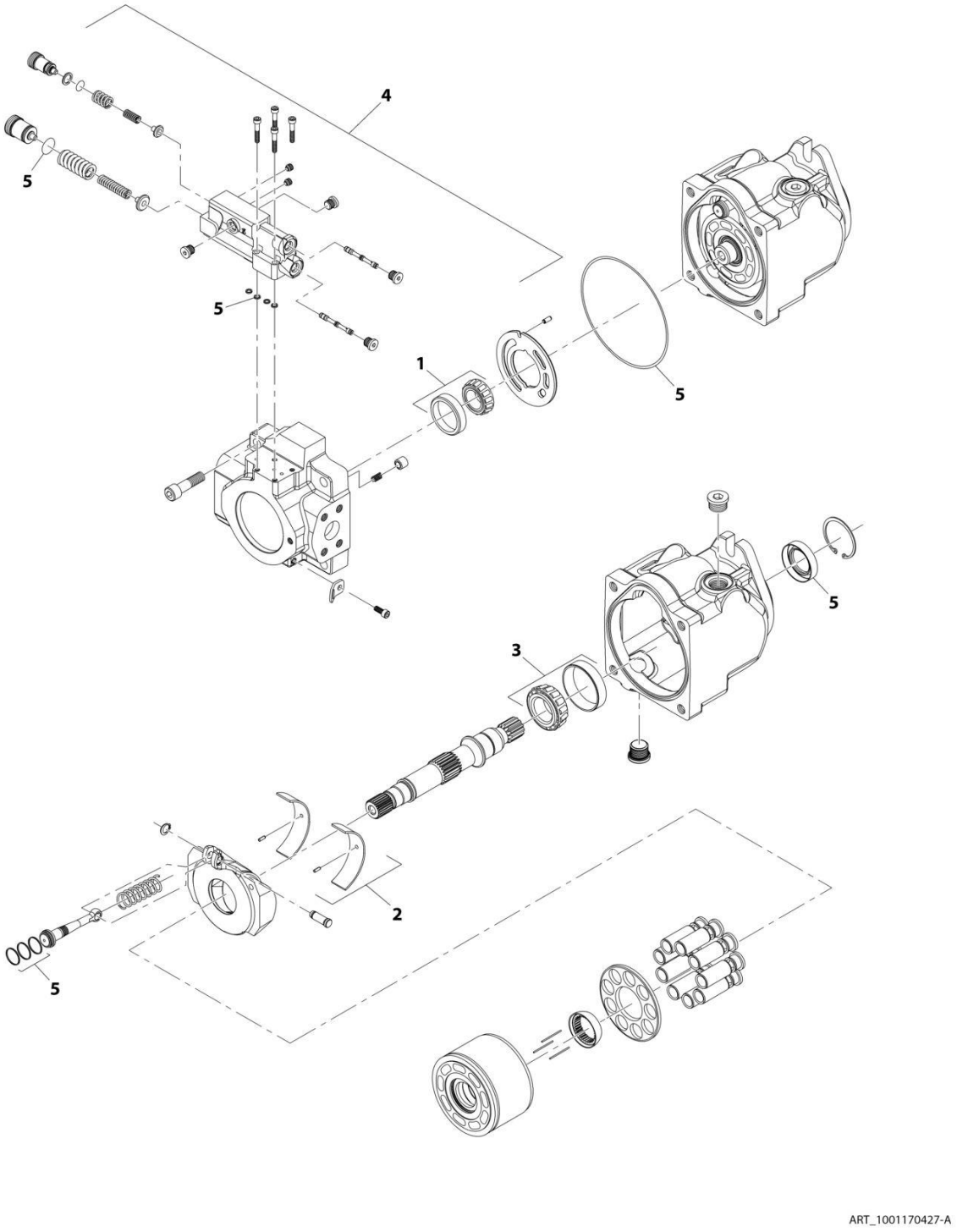


FIGURE 9-15. PISTON PUMP (SN 0160059878 to Present)

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

FIGURE 9-16. FUEL/HYDRAULIC TANK ASSEMBLY

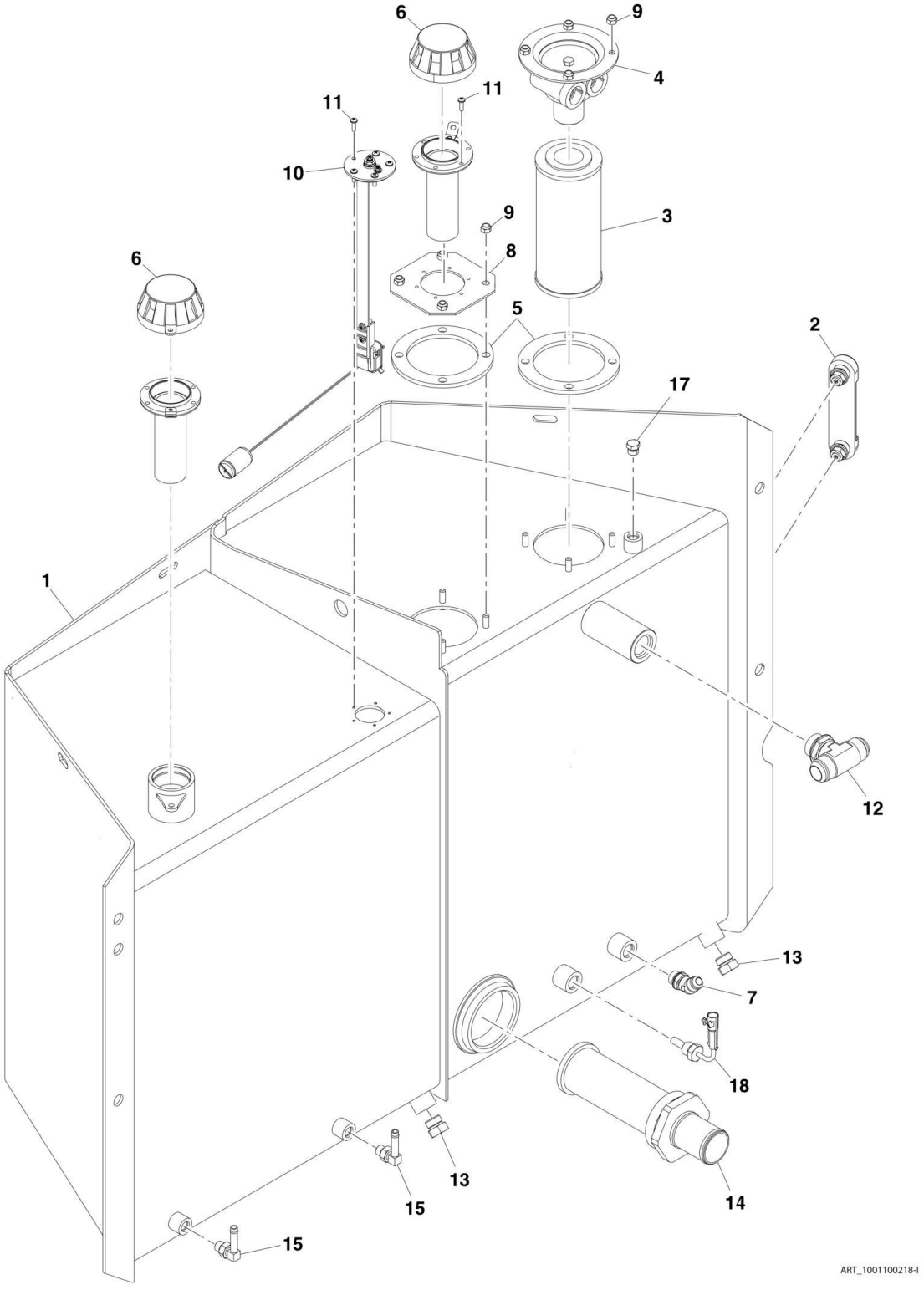


FIGURE 9-16. FUEL/HYDRAULIC TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100218		FUEL/HYDRAULIC TANK ASSY, (includes all items)	I
1	7301862	1	FUEL/HYDRAULIC TANK	
2	7024441	1	SIGHT GAUGE, (torque bolts to 4-5 lb-ft/5.4-6.8 Nm)	
3	7301252	1	RETURN FILTER ELEMENT	
4	1001091752	1	INTAKE FILTER HEAD	
5	7138209	2	HYDRAULIC TANK GASKET	
6	7139077	2	FILLER/BREATHER	
7	2220500	1	ELBOW, 45, (includes o-ring)	
8	7139076	1	PLATE	
9	8305626	8	HEX LOCKNUT, 5/16-18	
10	1001145026	1	FUEL LEVEL SENDER	
11	8310163	11	PAN HD SCREW, #10-24X5/8	
12	8760552	1	MALE BRANCH TEE, #16, (includes o-ring)	
13	2220239	2	HEX HD PLUG, (includes o-ring)	
14	7138740	1	SUCTION STRAINER	
14	7029716	1	O-RING	
15	8430034	2	ELBOW, 90, (includes o-ring)	
17	2220237	1	HEX HD PLUG, #6, (includes o-ring)	
18	8223226	1	HYDRAULIC TEMPERATURE SWITCH, 195F	

FIGURE 9-17. DIRECTIONAL CONTROL VALVE

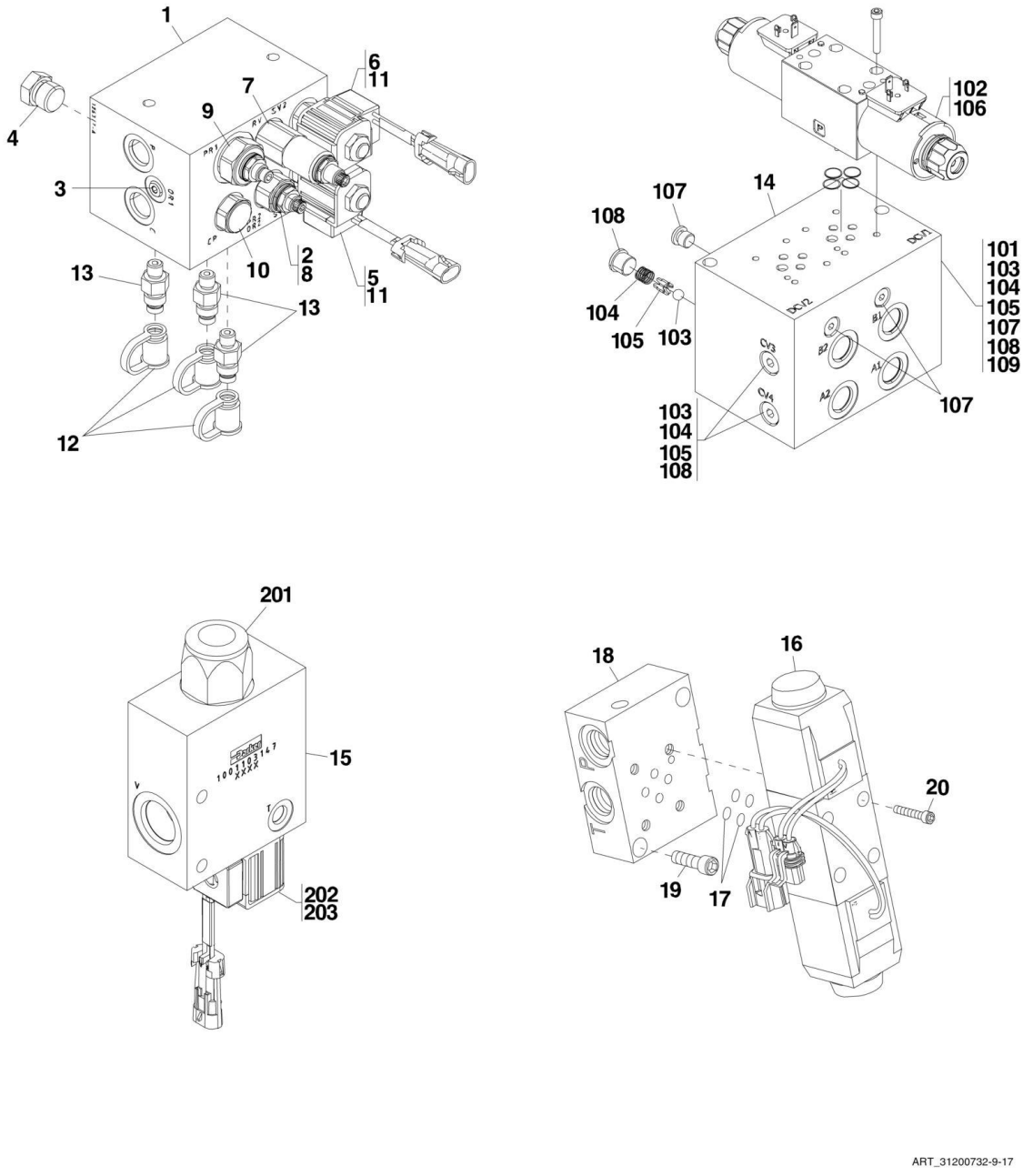


FIGURE 9-17. DIRECTIONAL CONTROL VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001103150	1	SECONDARY FUNCTION MANIFOLD, (includes items 2 thru 11)	A
2	70023453	1	ORRIFICE PLUG	
3	70023454	1	ORRIFICE PLUG	
4	91474023	1	CHECK VALVE, (torque to 23-27 lb-ft/31-37 Nm)	
5	70022722	1	SOLENOID VALVE CARTRIDGE, (torque to 23-27 lb-ft/31-37 Nm), (torque coil to 5-7 lb-ft/7-9.5 Nm)	
6	70022723	1	SOLENOID VALVE CARTRIDGE, (torque to 23-27 lb-ft/31-37 Nm), (torque coil to 5-7 lb-ft/7-9.5 Nm)	
7	70022721	1	RELIEF VALVE, (650 psi), (torque to 37-41 lb-ft/50-55.5 Nm)	
8	70022719	1	PRESSURE REDUCING VALVE, (550 psi), (torque to 37-41 lb-ft/50-55.5 Nm)	
9	70022720	1	PRESSURE REDUCING VALVE, (2500 psi), (torque to 21 lb-ft/28.5 Nm)	
10	70023455	1	CAVITY PLUG, (torque to 37-41 lb-ft/50-55.5 Nm)	
11	70022724	2	SOLENOID COIL WITH DIODE	
12	8430032	3	DUST PLUG	
13	8430033	3	DIAGNOSTIC NIPPLE	
14	1001103153	1	OUTRIGGER VALVE, (includes items 101 thru 109)	A
15	1001103147	1	EXTEND LOCKOUT VALVE ASSY (includes items 201 thru 203) (10054)	B
16	1001103152	NLA	STEER SELECT VALVE (No Longer Available - Use 1001283631)	C
16	1001283631	1	STEER SELECT VALVE (includes item 17)	
16	1001283628	1	HARNESS, JUMPER (MALE-MALE)	
16	1001283629	1	HARNESS, JUMPER (MALE-FEMALE)	
16	1001283630	1	VALVE	
17	8640017	AR	O-RING	
18	8902111	1	STEER SELECT VALVE SUBPLATE	
19	8310326	2	SOCKET HD CAPSCREW, 5/16-18X1-1/8	
20	8310327	4	SOCKET HD CAPSCREW, #10-24X1-1/8	
101	70022724	1	MANIFOLD	
102	70023505	2	DIRECTIONAL CONTROL VALVE	
103	70023506	6	BALL BEARING, 0.3125	
104	70023507	6	SPRING	
105	70023508	6	RETAINER	
106	70023509	2	ORRIFICE	
107	8032790	6	PORT PLUG, (torque to 7.5-8.3 lb-ft/10.2-11.2 Nm)	
108	88662192	6	PORT PLUG, (torque to 25.7-28.1 lb-ft/34.8-38.1 Nm)	
109	70023510	3	EXPANDER PLUG, 7MM	
201	70023519	1	LOGIC ELEMENT, (65 lb-ft/88 Nm)	
201	70023520	1	SEAL KIT	
202	70023521	1	SOLENOID, (torque to 23-27 lb-ft/31-36.5 Nm)	
202	8032694	1	SEAL KIT	
203	70022724	1	METRIPACK COIL, (torque to 3 lb-ft/4 Nm)	

FIGURE 9-18. BRAKE VALVE

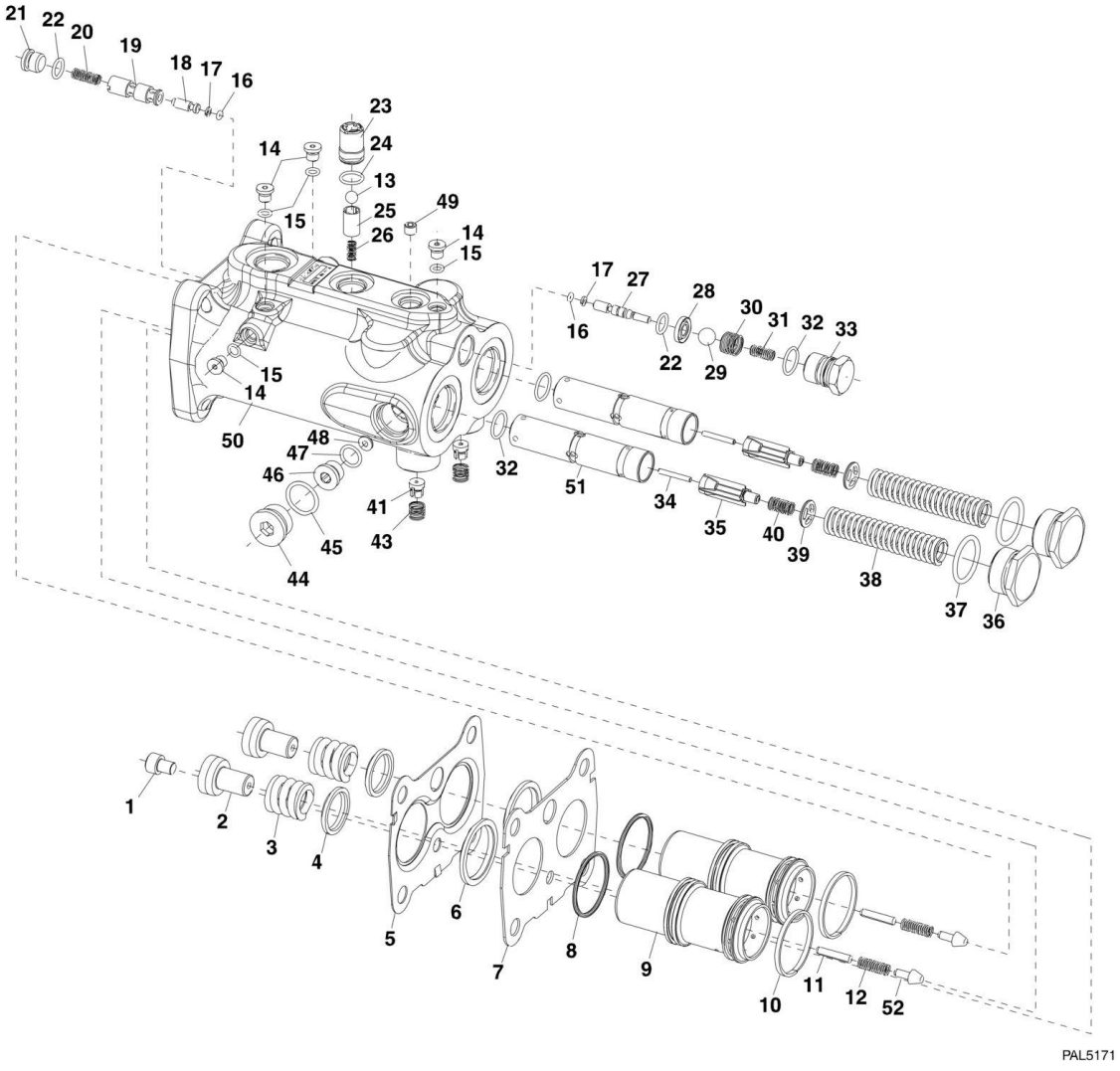


FIGURE 9-18. BRAKE VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001106836	1	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	

SECTION 9 - HYDRAULIC COMPONENTS

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

FIGURE 9-19. SIDE TILT CARRIAGE CYLINDER (Prior to SN 0160066474)

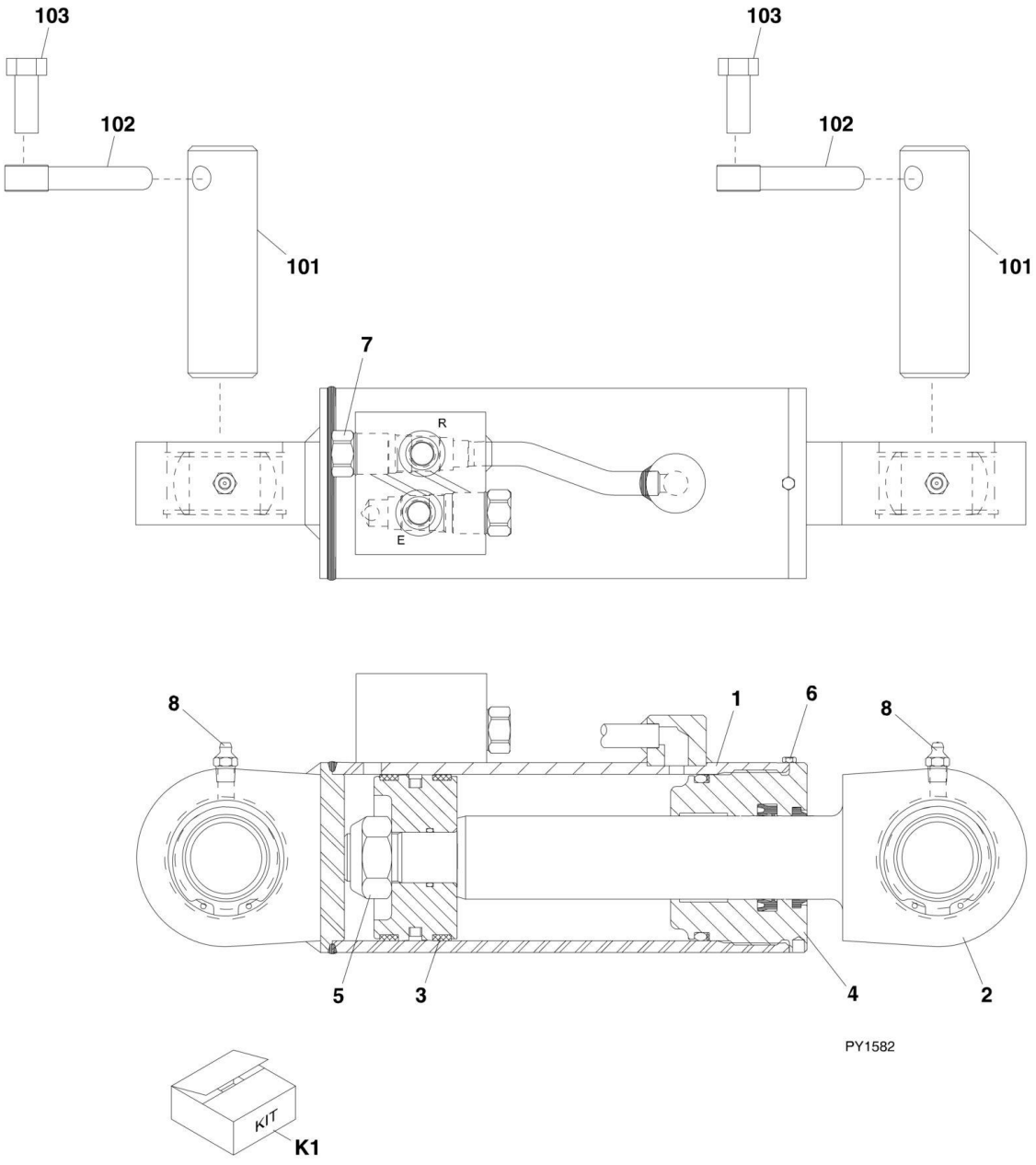


FIGURE 9-19. SIDE TILT CARRIAGE CYLINDER (Prior to SN 0160066474)

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

FIGURE 9-20. SIDE TILT CARRIAGE CYLINDER (SN 0160066474 to Present)

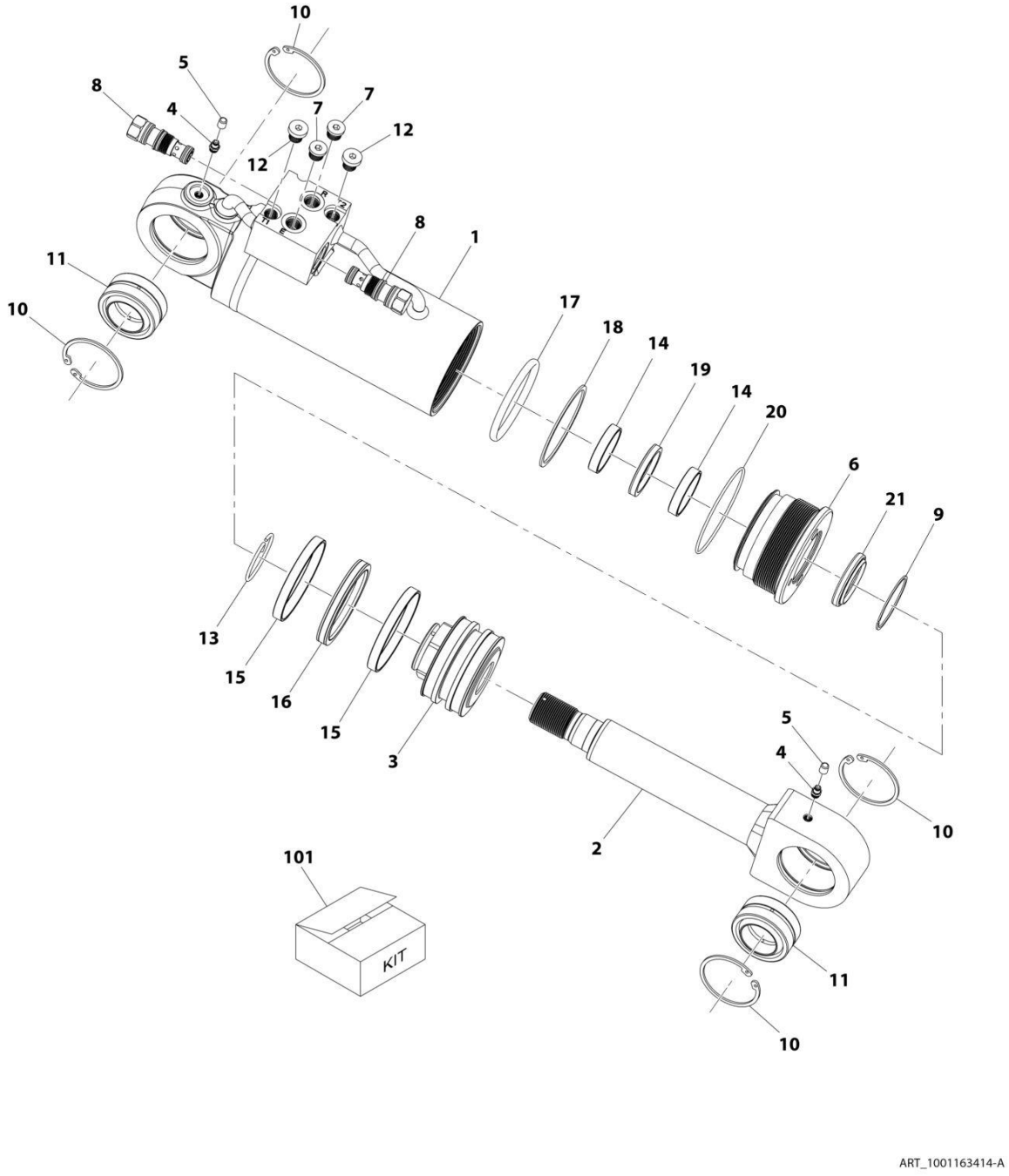


FIGURE 9-20. SIDE TILT CARRIAGE CYLINDER (SN 0160066474 to Present)

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

FIGURE 9-21. 72 INCH 90 SWING CARRIAGE CYLINDER

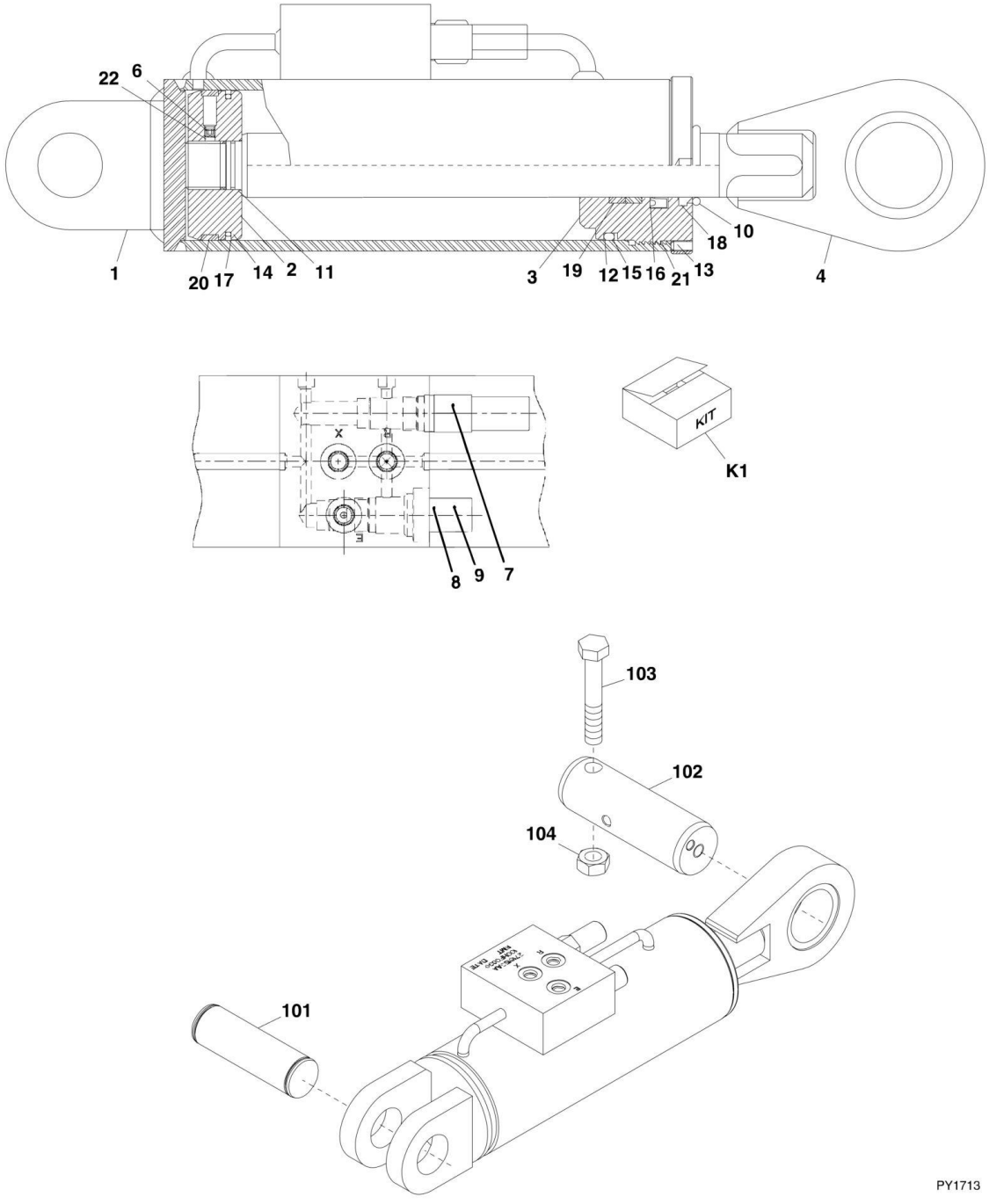


FIGURE 9-21. 72 INCH 90 SWING CARRIAGE CYLINDER

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, (preset to 2000 psi)	
7	7024574	1	SEAL KIT	
8	8033786	1	COUNTERBALANCE VALVE, (preset to 3000 psi)	
8	8205655	1	SEAL KIT	
9	70021812	1	TAMPERPROOF CAP	
11	Kit	1	O-RING	
12	Kit	1	O-RING	
13	Kit	1	O-RING	
14	Kit	1	SQUARE RING	
15	Kit	1	BACKUP RING	
16	Kit	1	SEAL	
17	Kit	1	PISTON SEAL	
18	Kit	1	ROD WIPER	
19	Kit	1	WEARBAND	
20	Kit	1	WEARBAND	
21	Kit	1	INSERT	
22	Kit	1	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	2	SEAL KIT, (includes items 11 thru 22)	

FIGURE 9-22. GRAPPLE BUCKET CYLINDER

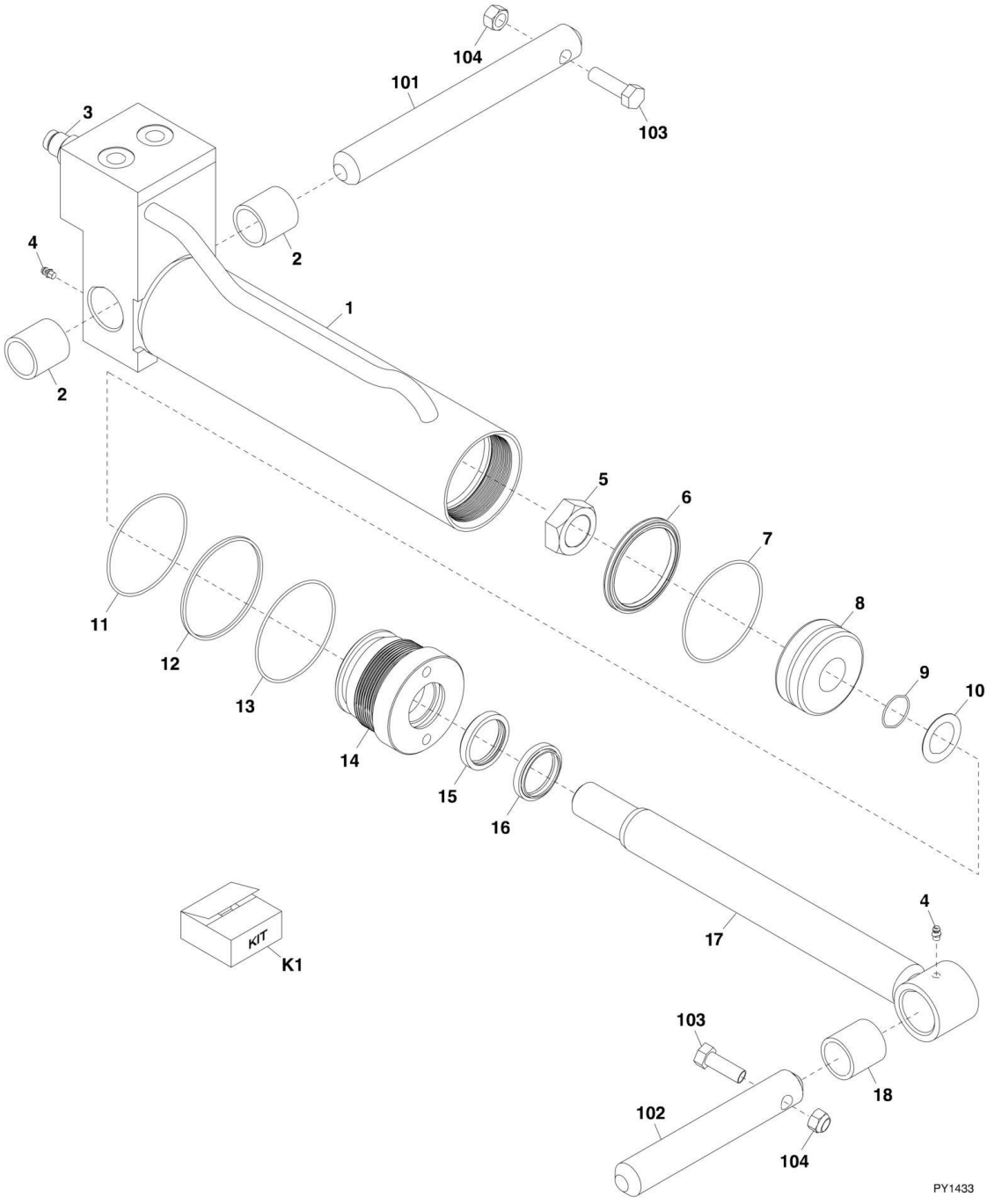


FIGURE 9-22. GRAPPLE BUCKET CYLINDER

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	1	PISTON RING	
7	Kit	1	O-RING	
8	70021451	1	PISTON	
9	Kit	1	O-RING	
10	70021444	1	WASHER	
11	Kit	1	O-RING	
12	Kit	1	BACK-UP WASHER	
13	Kit	1	O-RING	
14	70021446	1	CYLINDER GLAND	
15	Kit	1	POLY-PAK SEAL	
16	Kit	1	ROD WIPER	
17	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	LOCK NUT, 3/8	
K1	70021452	1	SEAL KIT, (includes items 6, 7, 9, 11 thru 13, 15 & 16)	

FIGURE 9-23. VALVE SECONDARY FUNCTION

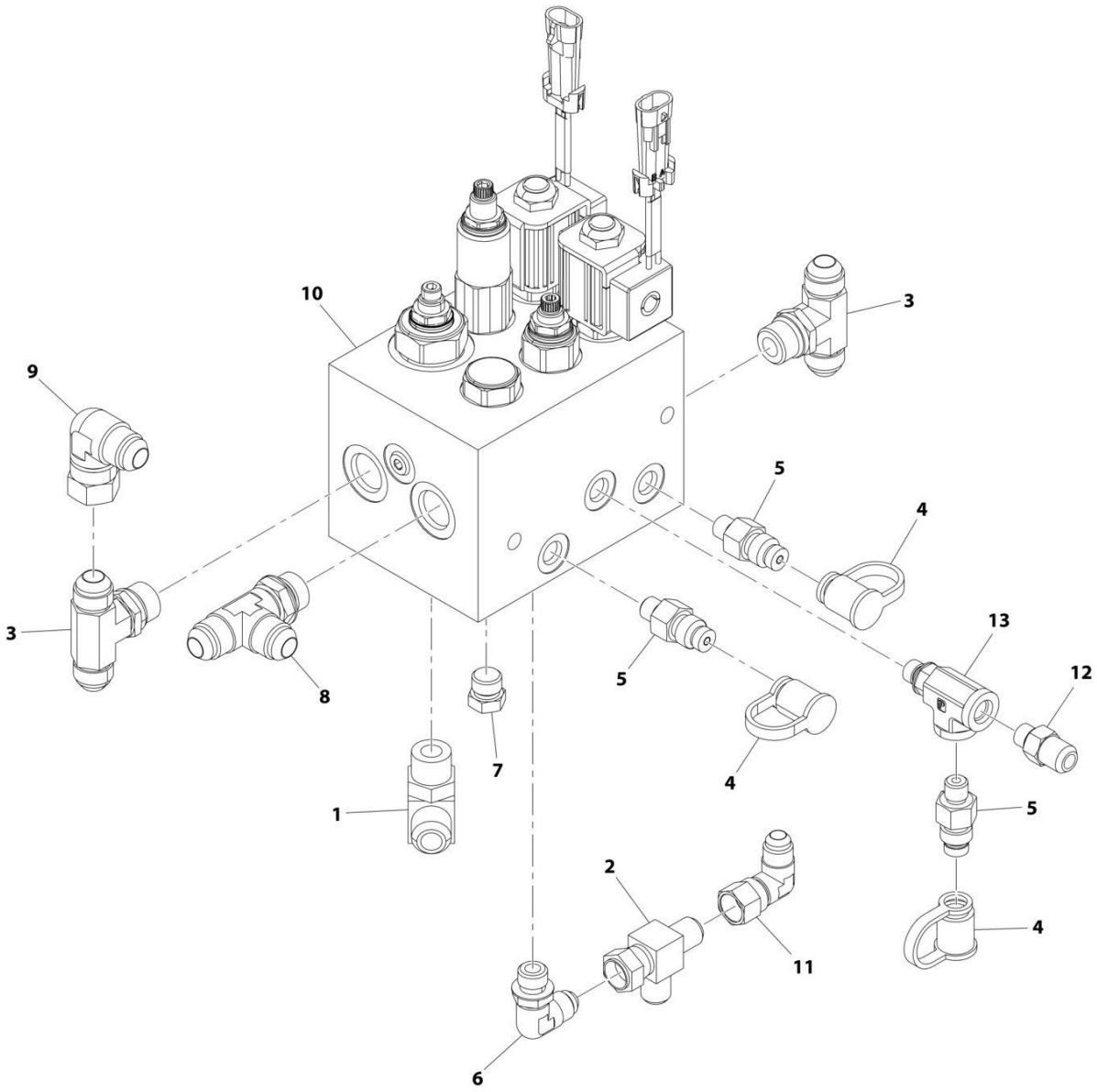


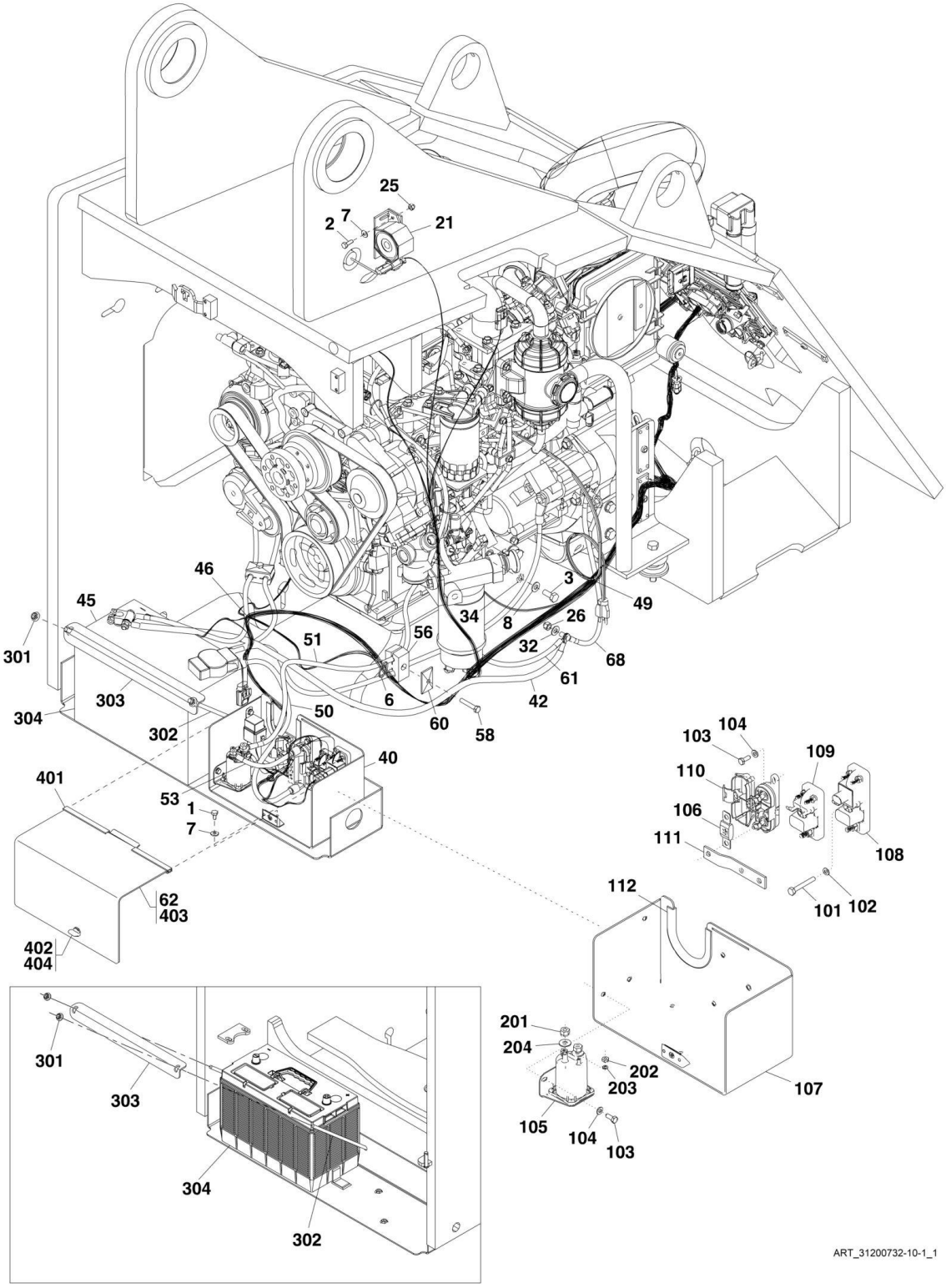
FIGURE 9-23. VALVE SECONDARY FUNCTION

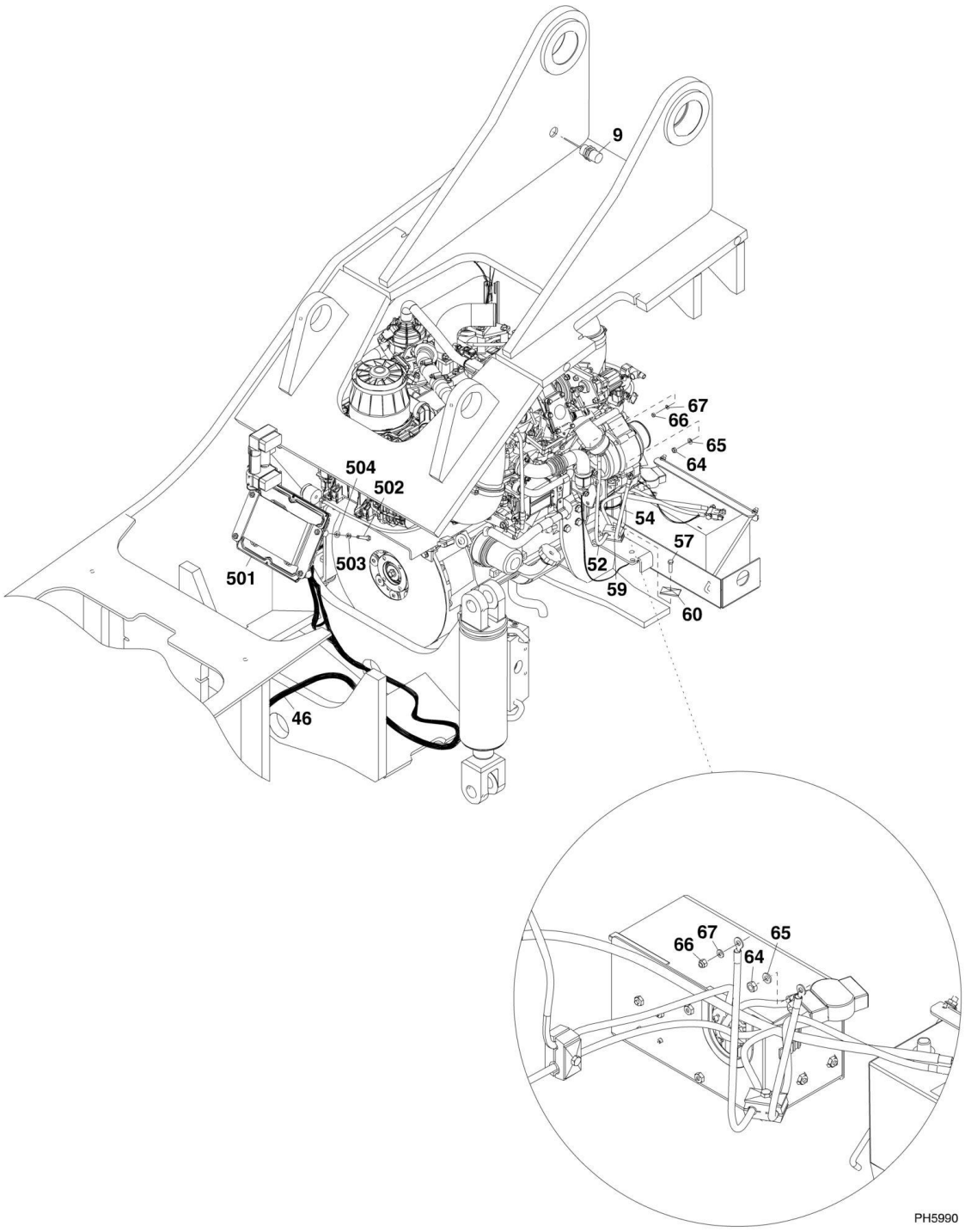
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001136556	Ref	VALVE SECONDARY FUNCTION	C
1	2220596	1	ELBOW, 90, (includes o-ring)	
2	2220635	1	FEMALE SWIVEL RUN TEE	
3	2220999	2	MALE BRANCH TEE, (includes o-ring)	
4	8430032	3	DUST PLUG	
5	8430033	3	DIAGNOSTIC NIPPLE	
6	2220473	1	ELBOW, 90, (includes o-ring)	
7	2220237	1	HEX HD PLUG, #6, (includes o-ring)	
8	2220602	1	MALE RUN TEE, (includes o-ring)	
9	8765204	1	ELBOW, 90, (swivel nut)	
10	1001103150	1	SECONDARY FUNCTION MANIFOLD (see separate breakdown in same section)	
11	8760268	1	ELBOW, 90, (swivel nut)	
12	2220603	1	STRAIGHT CONNECTOR	
13	1001166285	1	ADAPTOR	

SECTION 10 - ELECTRICAL

SECTION 10 - ELECTRICAL

FIGURE 10-1. ENGINE COMPARTMENT ELECTRICAL INSTALLATION




9
67
66
65
64
504
502
54
57
503
52
501
59
60
46
67
66
65
64
PH5990

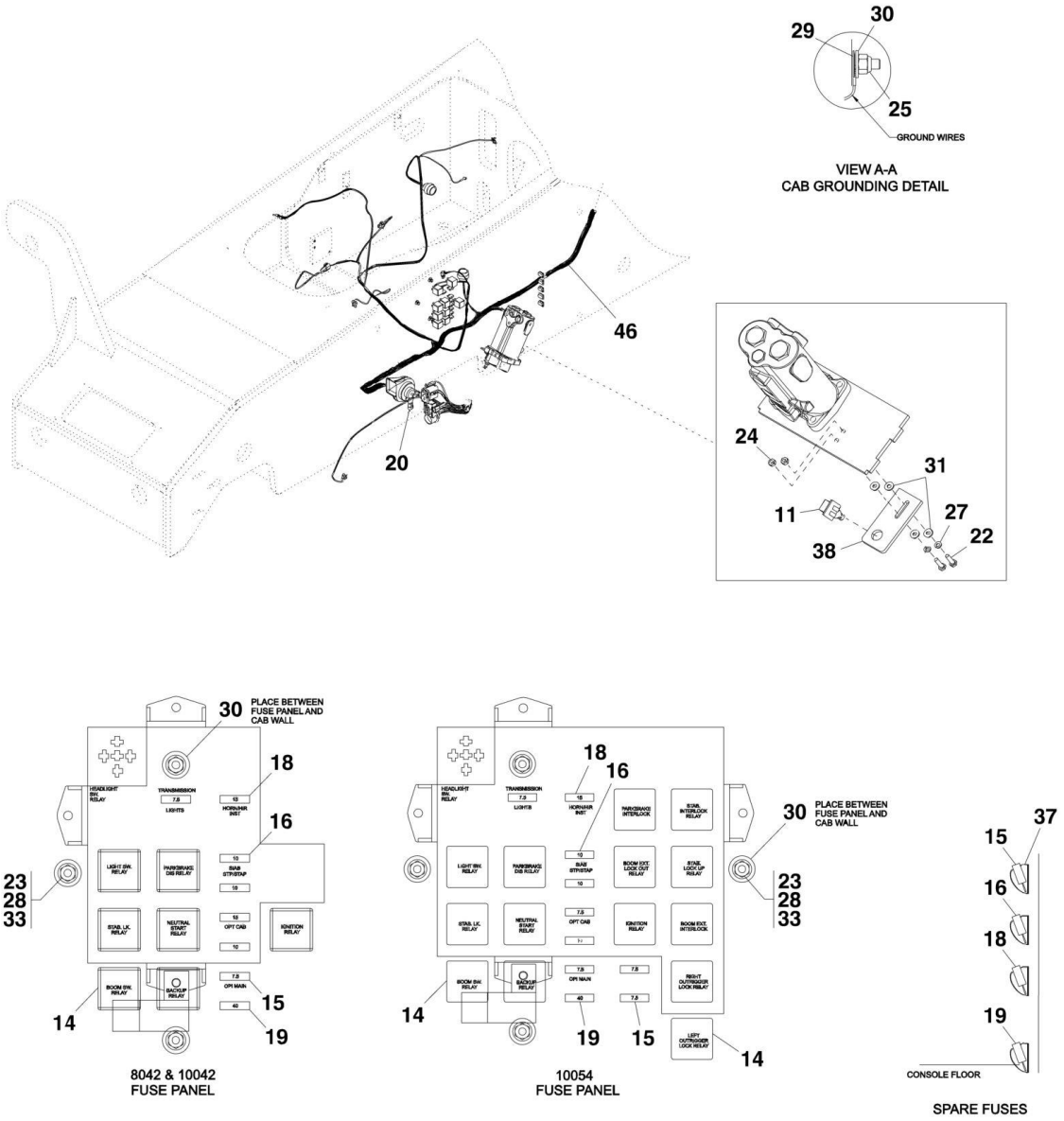
SECTION 10 - ELECTRICAL

FIGURE 10-1. ENGINE COMPARTMENT ELECTRICAL INSTALLATION

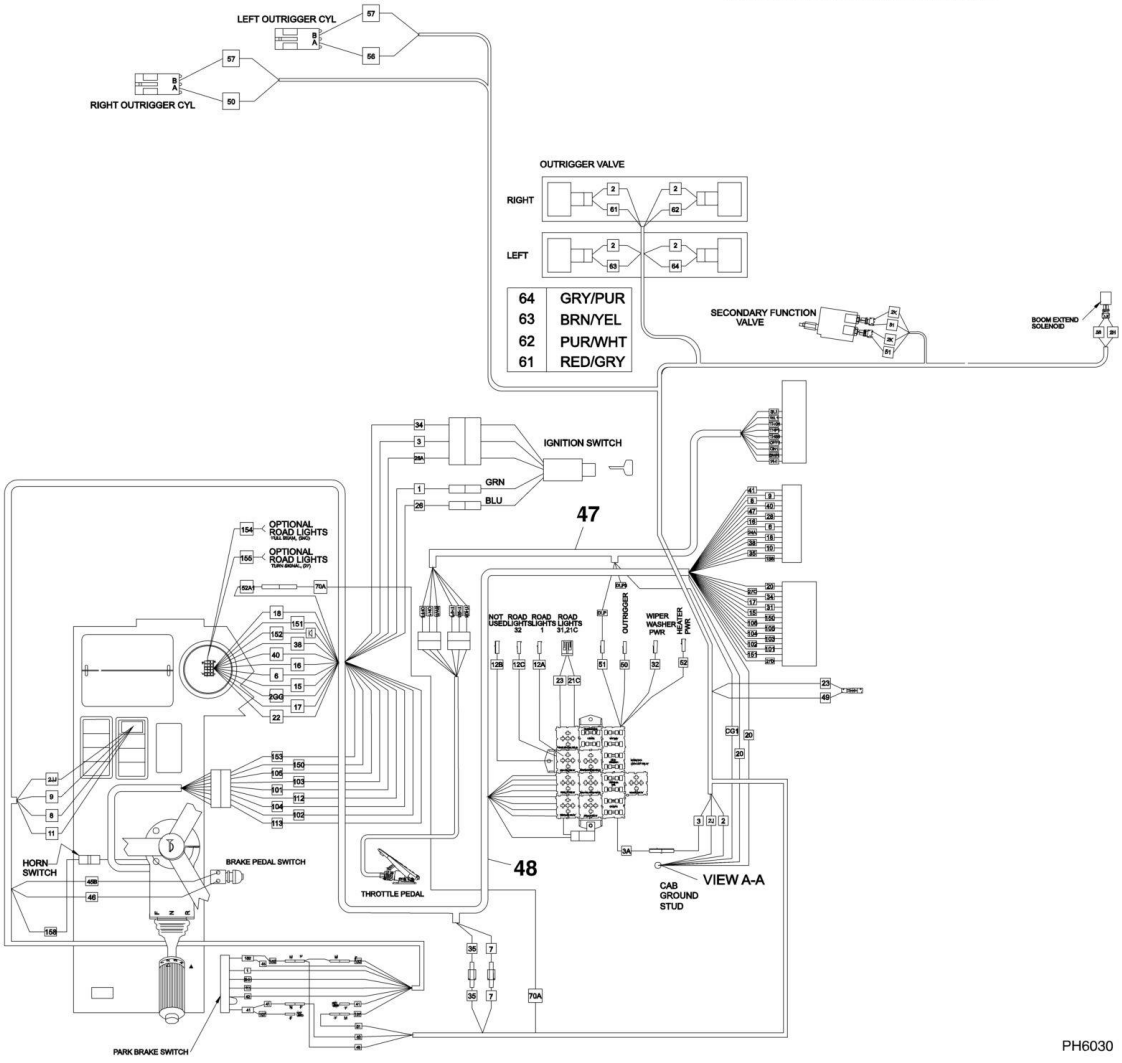
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001129650	Ref	ELECTRICAL INSTALLATION (if equipped for ULS), (not available to order, see items 1 thru 68 & items 9 thru 48 see CAB ELECTRICAL INSTALLATION for service) (8042)	J
	1001132986	Ref	ELECTRICAL INSTALLATION (if equipped for LS), (not available to order, see items 1 thru 68 & items 9 thru 48 see CAB ELECTRICAL INSTALLATION for service) (8042)	H
	1001129649	Ref	ELECTRICAL INSTALLATION (if equipped for ULS), (not available to order, see items 1 thru 68 & items 9 thru 69 see CAB ELECTRICAL INSTALLATION for service) (10042)	J
	1001132985	Ref	ELECTRICAL INSTALLATION (if equipped for LS), (not available to order, see items 1 thru 68 & items 9 thru 69 see CAB ELECTRICAL INSTALLATION for service) (10042)	H
	1001127213	Ref	ELECTRICAL INSTALLATION (if equipped for ULS), (not available toorder, see items 1 thru 68 & items 9 thru 48 see CAB ELECTRICAL INSTALLATION for service) (10054)	J
	1001132984	Ref	ELECTRICAL INSTALLATION (if equipped for LS), (not available toorder, see items 1 thru 68 & items 9 thru 48 see CAB ELECTRICAL INSTALLATION for service) (10054)	H
1	0641404	3	HEX HD CAPSCREW, 1/4-20X1/2	
2	0641406	2	HEX HD CAPSCREW, 1/4-20X3/4	
3	0761010	1	HEX HD CAPSCREW, M10X20, GR8.8	
6	4240017	7	TIE STRAP	
7	4711400	5	PLAIN WASHER, 1/4	
8	4812000	1	WASHER, 10MM	
9	1001130307	1	BOOM SENSOR (10042,8042)	
9	1001130307	2	BOOM SENSOR (10054)	
21	8270621	1	BACK-UP ALARM	
25	8305624	2	HEX LOCKNUT, 1/4-20	
26	8305645	1	HEX LOCKNUT, 3/8-16	
32	8307110	1	WASHER, 3/8	
34	8310046	1	LOCKWASHER, M10, (external tooth)	
40	1001127212	1	RELAY PANEL INSTALLATION, (includes items 101 thru 112)	E
42	1001128663	1	BATTERY NEGATIVE CABLE	
45	1001142513	1	BATTERY INSTALLATION, (if equipped for ULS), (includes items 301 thru 304)	B
45	1001128783	1	BATTERY INSTALLATION, (if equipped for LS), (includes items 301 thru 304)	B
46		Ref	ENGINE/CHASSIS HARNESS, (See ENGINE HARNESS for Breakdown)	
49	1001129768	1	STARTER POWER CABLE	
50	1001129769	1	BUSS POWER CABLE	
51	1001129795	1	GRID HEATER POWER CABLE	
52	1001129796	1	ALTERNATOR POWER CABLE	
53	1001129797	1	HEATER FUSE TO HEATER RELAY CABLE	
54	1001130568	1	ALTERNATOR GROUND CABLE	
56	8750027	1	TWIN CLAMP SET	
57	8303739	1	HEX HD CAPSCREW, 5/16-18X1-1/4, GR5	
58	8303746	1	HEX HD CAPSCREW, 5/16-18X1-3/4, GR5	
59	8750015	1	TWIN CLAMP SET, 0.67 DIA	
60	8769128	2	TWIN COVER PLATE	
61	1001133172	1	ENGINE GROUND CABLE **(Prior to SN 0160046469)**	
62	1001134452	Ref	RELAY PANEL COVER INSTALLATION, (not available to order, see items 401 thru 404 for service)	D

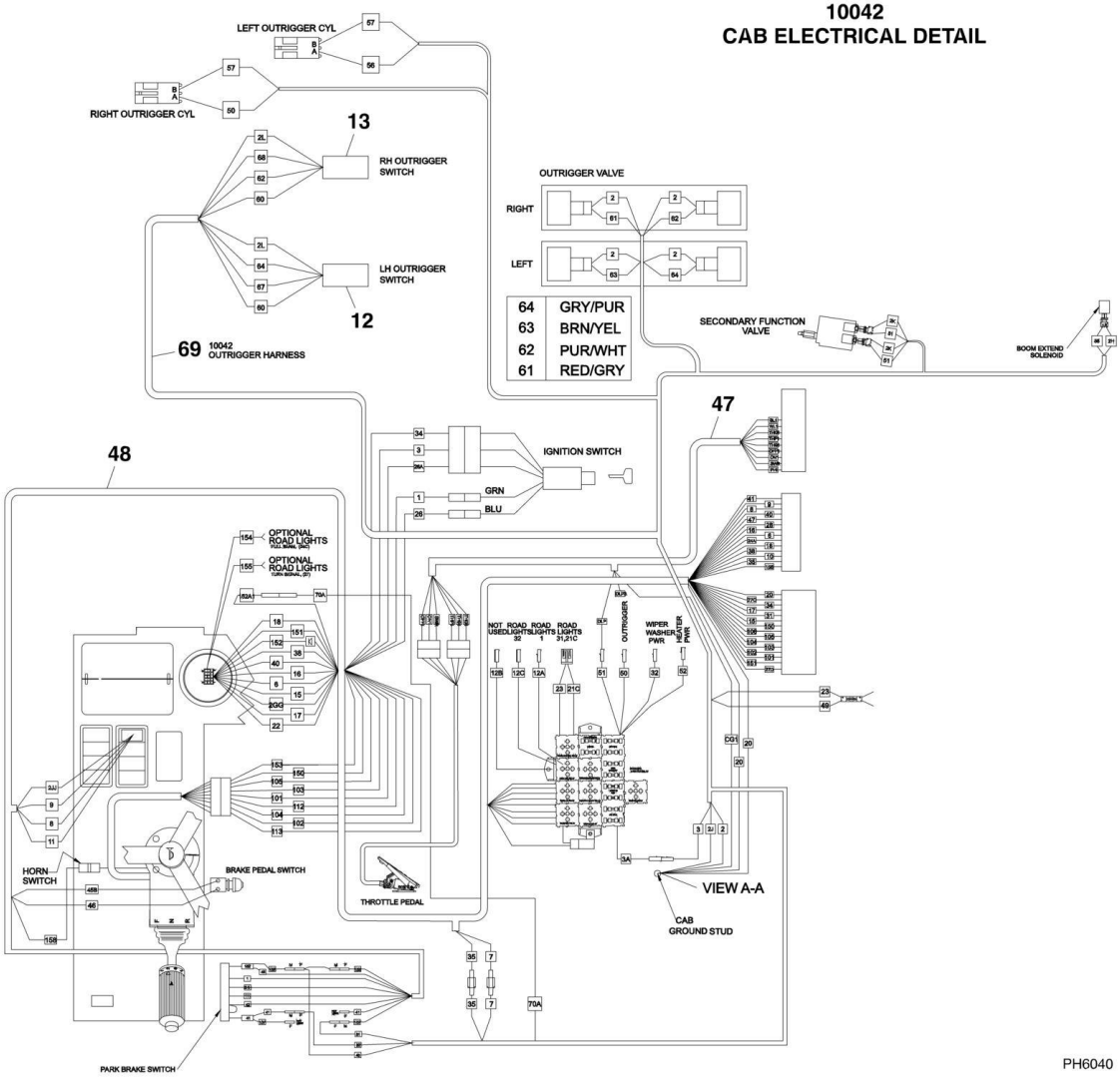
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
64	3290801	1	HEX NUT, M8X1-1/4	
65	4831900	1	SPRING LOCKWASHER, 8MM	
66	8305652	1	HEX LOCKNUT, M6X1, (if equipped for ULS)	
66	3290601	1	HEX NUT, M6X1, (if equipped for LS)	
67	4831700	1	SPRING LOCKWASHER, 6MM	
68	1001135710	1	STARTER GROUND CABLE, (if equipped for ULS)	
68	1001133171	1	STARTER GROUND CABLE, (if equipped for LS)	
101	0641415	2	HEX HD CAPSCREW, 1/4-20X1-7/8	
102	4761400	2	LOCKWASHER, 1/4	
103	8303545	5	HEX HD CAPSCREW, M6X1X14MM, PC8.8	
104	8307219	5	PLAIN WASHER, M6	
105	1001117308	1	RELAY, 200 AMP, (includes items 201 thru 204)	A
106	1001118245	1	FUSE, 250 AMP	
107	1001126581	1	RELAY MOUNT BRACKET	
108	1001163729	1	POWER MODULE RELAY	
109	1001127699	1	POWER MODULE FUSE	
110	1001127700	1	AMG FUSE HOLDER	
111	1001129615	1	BUSS CONNECTOR BAR	
112	90206196	9 in	TRIM-LOK	
201	3300220	2	WASHER NUT	
202	3321001	2	HEX NUT, #10-32	
203	4761000	2	LOCKWASHER, #10	
204	1001111424	2	COPPER WASHER	
301	77143006	2	LOCKNUT, 5/16-18	
302	91081640	2	BATTERY HOLD DOWN BOLT	
303	91401281	1	BATTERY HOLD DOWN BRACKET	
304	0400075	1	BATTERY, (if equipped for ULS)	
304	1001155219	1	BATTERY, (if equipped for LS)	
401	90206196	9 in	VINYL TRIM	
402	1001135770	1	PUSH-ON RETAINER	
403	1001127142	1	RELAY PANEL COVER	
404	1001135777	1	WING HEAD FASTNER ASSY	
501	1001120341	Ref	ECM MODULE INSTALLATION, (if equipped for ULS), (includes items 502 thru 504)	B
501	1001131384	Ref	ECM MODULE INSTALLATION, (if equipped for LS), (includes items 502 thru 504)	C
502	0641516	4	HEX HD CAPSCREW, 5/16-18X2	
503	4711500	4	PLAIN WASHER, 5/16	
504	4761500	4	LOCKWASHER, 5/16	

FIGURE 10-2. CAB ELECTRICAL INSTALLATION



8042
CAB ELECTRICAL DETAIL




10042
CAB ELECTRICAL DETAIL
LEFT OUTRIGGER CYL
RIGHT OUTRIGGER CYL
13
RH OUTRIGGER SWITCH
LH OUTRIGGER SWITCH
12
69 10042 OUTRIGGER HARNESS
OUTRIGGER VALVE
RIGHT
LEFT
64 GRY/PUR
63 BRN/YEL
62 PUR/WHT
61 RED/GRY
SECONDARY FUNCTION VALVE
BOOM EXTEND SOLENOID
47
48
IGNITION SWITCH
GRN
BLU
OPTIONAL ROAD LIGHTS
OPTIONAL ROAD LIGHTS
NOT USED
ROAD LIGHTS 32
ROAD LIGHTS 1
ROAD LIGHTS 21,21C
OUTRIGGER
WIPER PWR
WASHER PWR
HEATER PWR
HORN SWITCH
BRAKE PEDAL SWITCH
THROTTLE PEDAL
VIEW A-A
CAB GROUND STUD
PARK BRAKE SWITCH
PH6040

10054
CAB ELECTRICAL DETAIL

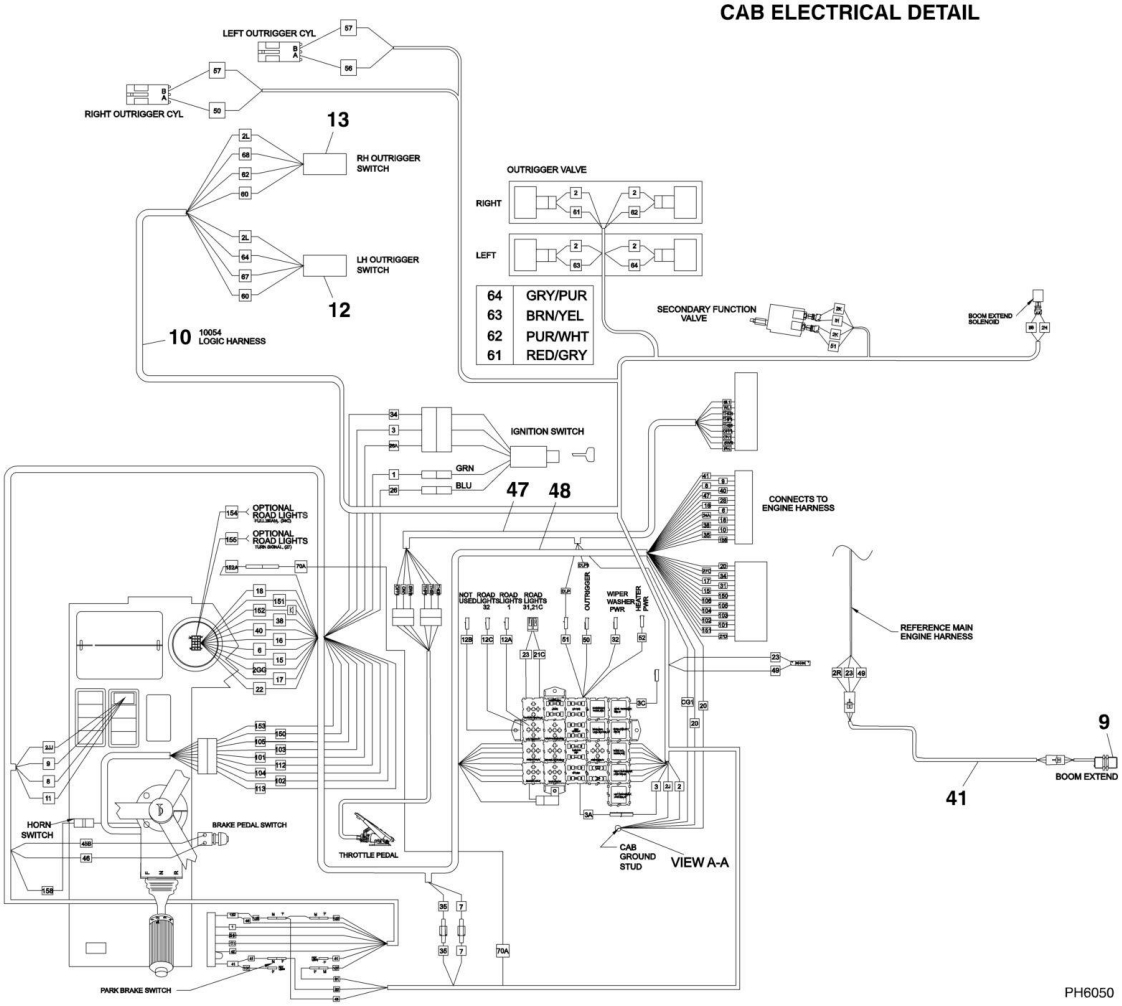


FIGURE 10-2. CAB ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001129650	Ref	ELECTRICAL INSTALLATION (if equipped for ULS), (not available to order, see items 9 thru 48 & items 1 thru 68 see ENGINE COMPARTMENT ELECTRICAL INSTALLATION for service) (8042)	J
	1001132986	Ref	ELECTRICAL INSTALLATION (if equipped for LS), (not available toorder, see items 9 thru 48 & items 1 thru 68 see ENGINE COMPARTMENT ELECTRICAL INSTALLATION for service) (8042)	H
	1001129649	Ref	ELECTRICAL INSTALLATION (if equipped for ULS), (not available toorder, see items 9 thru 69 and items 1 thru 68 see ENGINE COMPARTMENT ELECTRICAL INSTALLATION for service) (10042)	J
	1001132985	Ref	ELECTRICAL INSTALLATION (if equipped for LS), (not available toorder, see items 9 thru 69 & items 1 thru 68 see ENGINE COMPARTMENT ELECTRICAL INSTALLATION for service) (10042)	H
	1001127213	Ref	ELECTRICAL INSTALLATION (if equipped for ULS), (not available toorder, see items 9 thru 48 & items 1 thru 68 see ENGINE COMPARTMENT ELECTRICAL INSTALLATION for service) (10054)	J
	1001132984	Ref	ELECTRICAL INSTALLATION (if equipped for LS), (not available toorder, see items 9 thru 48 & items 1 thru 68 see ENGINE COMPARTMENT ELECTRICAL INSTALLATION for service)	H
9		Ref	BOOM SENSOR, (See ENGINE COMPARTMENT ELECTRICAL INSTALLATION for Breakdown)	
10		Ref	LOGIC HARNESS (See CAB SWITCHES for Breakdown) (10054)	
11	8223025	1	MOMENTARY BRAKE LIGHT SWITCH	
12		Ref	LEFT OUTRIGGER SWITCH (See OUTRIGGERS HARNESS for Breakdown) (10042,10054)	
13		Ref	RIGHT OUTRIGGER SWITCH(See OUTRIGGERS HARNESS for Breakdown) (10042,10054)	
14	8225119	7	SEALED RELAY (10042,8042)	
14	8225119	14	SEALED RELAY (10054)	
15	8229233	3	FUSE, 7.5 AMP (10042,8042)	
15	8229233	6	FUSE, 7.5 AMP (10054)	
16	8229234	4	FUSE, 10 AMP	
18	8229237	3	FUSE, 15 AMP (10042,8042)	
18	8229237	2	FUSE, 15 AMP (10054)	
19	8229238	2	FUSE, 40 AMP	
20	8270620	1	HORN	
22	8303540	2	HEX HD CAPSCREW, 1/4-20X1, GR5	
23	8305002	3	HEX NUT, #10-24 (10042,8042)	
23	8305002	4	HEX NUT, #10-24 (10054)	
24	8305004	2	HEX NUT, 1/4-20	
25	8305624	1	HEX LOCKNUT, 1/4-20	
27	8307002	2	LOCKWASHER, 1/4	
28	8307003	3	LOCKWASHER #10 (10042,8042)	
28	8307003	4	LOCKWASHER #10 (10054)	
29	8307027	1	LOCKWASHER, 5/16, (external tooth)	
30	8307106	4	PLAIN WASHER, 5/16 (10042,8042)	
30	8307106	5	PLAIN WASHER, 5/16 (10054)	
31	8307109	2	PLAIN WASHER, 1/4	
33	8307111	3	PLAIN WASHER, #10 (10042,8042)	
33	8307111	4	PLAIN WASHER, #10 (10054)	
37	8582007	4	SPARE FUSE CLIP	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
38	1001107355	1	BRAKE SWITCH BRACKET **(Prior to SN 0160054302)**	
38	1001143307	1	BRAKE SWITCH BRACKET **(SN 0160054302 to Present)**	
41		Ref	BOOM EXTEND HARNESS (See WORK LIGHTING INSTALLATION for Breakdown) (10054)	
46		Ref	ENGINE/CHASSIS HARNESS, (See ENGINE HARNESS for Breakdown)	
47		Ref	DASH/THROTTLE HARNESS, (See DASH/THROTTLE HARNESS for Breakdown)	
48		Ref	CAB/POWER DISTRIBUTION HARNESS, (See CAB POWER DISTRIBUTION HARNESS for Breakdown)	
69		Ref	OUTRIGGER HARNESS (See OUTRIGGERS HARNESS for Breakdown) (10042)	

FIGURE 10-3. CAB SWITCHES

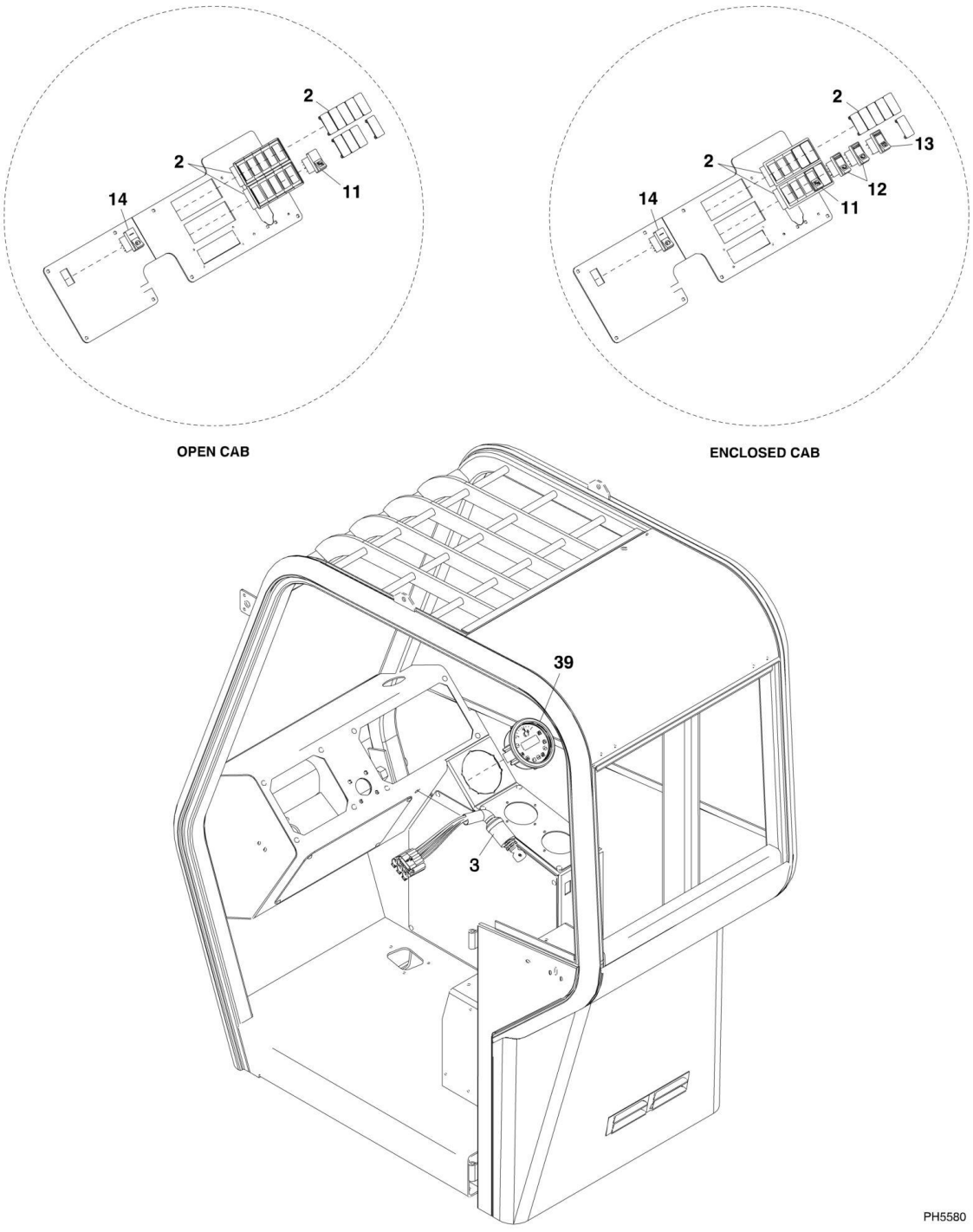
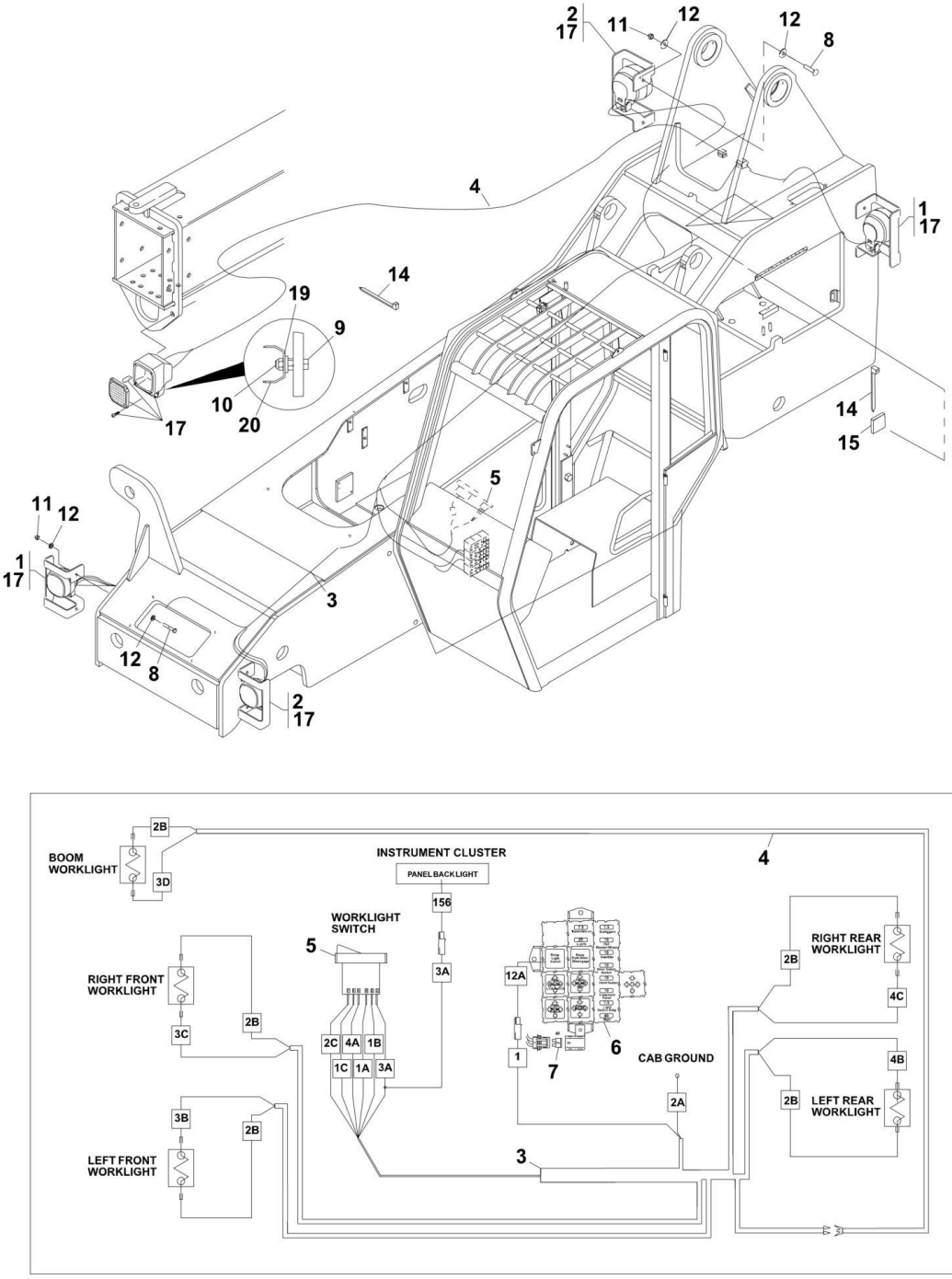


FIGURE 10-3. CAB SWITCHES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
2	4360569	2	BEZEL SWITCH, 5 POSITION	
3	4360690	1	IGNITION SWITCH	
3	8035807	1	KEY, (with cover)	
11	8223037	1	STEER SELECT SWITCH	
12	8223043	2	WINDSHIELD WIPER SWITCH, (front and skylight)	
13	8223044	1	WINDSHIELD WASHER SWITCH	
14	8223054	1	PARK BRAKE SWITCH	
39	1001126864	1	INSTRUMENT CLUSTER, (includes hourmeter)	

FIGURE 10-4. WORK LIGHTING INSTALLATION

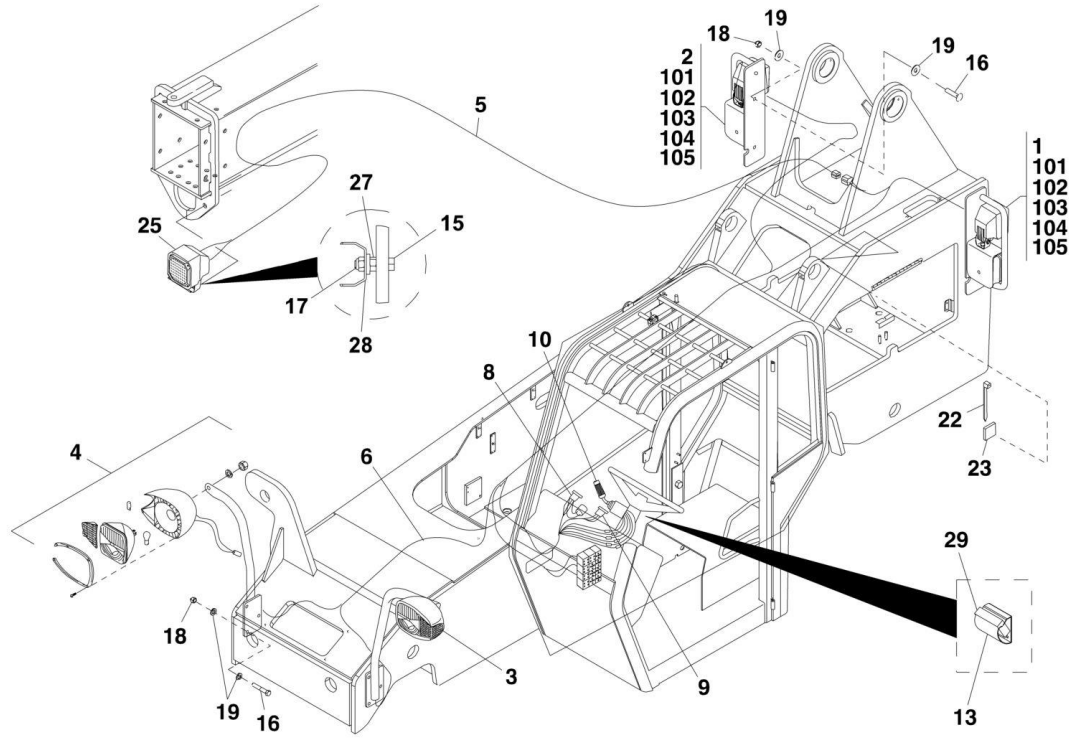


PAP28950

FIGURE 10-4. WORK LIGHTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001130896	1	WORK LIGHTING INSTALLATION, (includes all items)	B
1	7150673	2	LH WORKLIGHT ASSY, (includes item 17)	D
1	1001097080	2	LH WORKLIGHT BRACKET	
2	7150688	2	RH WORKLIGHT ASSY, (includes item 17)	D
2	1001097079	2	RH WORKLIGHT BRACKET	
3		Ref	WORK LIGHTING HARNESS, (See WORK LIGHTING HARNESS for Breakdown)	
4	7150730	1	WIRE HARNESS	
5	8223059	1	WORKLIGHT SWITCH	
6	8229233	1	LIGHT SWITCH FUSE, 7.5 AMP, (Tan)	
7	8229238	1	WORKLIGHT FUSE, 40 AMP, (Orange)	
8	8303771	8	HEX HD CAPSCREW, 3/8-16X2-1/4, GR5	
9	0641511	1	HEX HD CAPSCREW, 5/16-18X1-3/8	
10	8305626	1	LOCKNUT, 5/16-18	
11	8305645	8	HEX NUT, 3/8	
12	8307204	16	FLAT WASHER, 3/8	
14	8584001	32	PLASTIC TIE WRAP	
15	8584018	2	TIE MOUNT	
17	1001096314	1	WORKLIGHT	
17	8036216	4	WORKLIGHT LENS SCREW	
17	8036218	1	WORKLIGHT HALOGEN BULB	
19	88501005	1	HEX NUT, 5/16-18	
20	4891600	1	WASHER, 3/8	

FIGURE 10-5. ROAD LIGHTING INSTALLATION



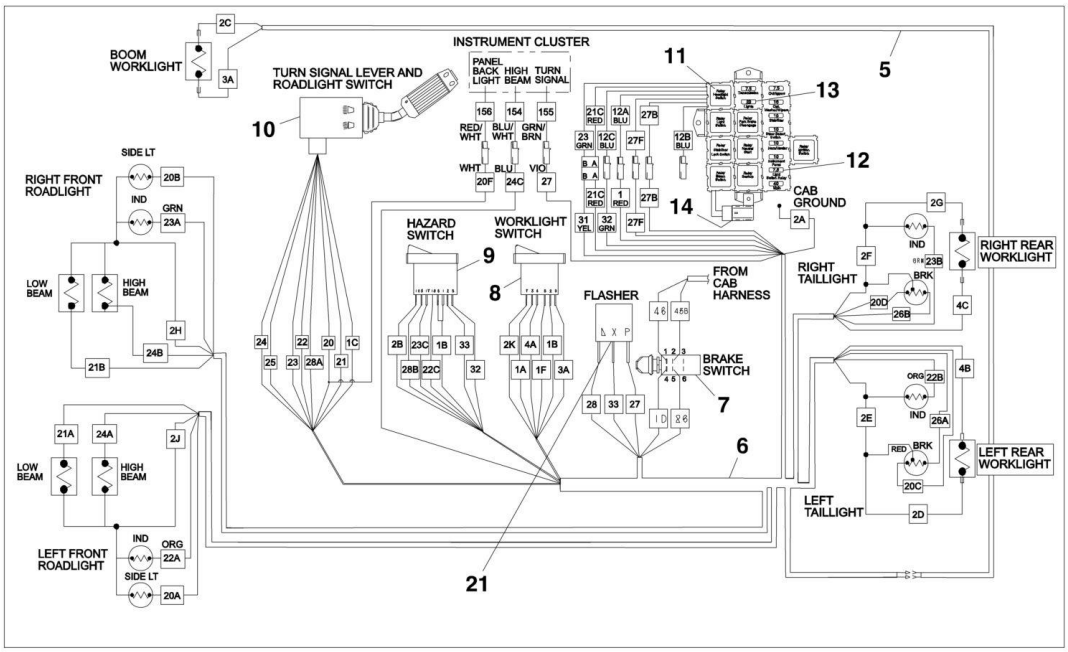


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FIGURE 10-5. ROAD LIGHTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001130894	1	ROAD LIGHTING INSTALLATION, (includes items 1 thru 28)	C
1	7150679	1	LH ROADLIGHT ASSY, (includes items 101 thru 105)	C
2	7150689	1	RH ROADLIGHT ASSY, (includes items 101 thru 105)	C
3	7150699	1	LH ROADLIGHT BRACKET ASSY	
3	7150685	1	LH ROADLIGHT BRACKET	
3	7150702	1	FRONT ROADLIGHT, (torque nut to 7-15 lb-ft/9-20 Nm)	
3	8036216	6	HEADLIGHT LENS SCREW	
3	8036212	1	HEADLIGHT LENS	
3	8036213	1	HEADLIGHT BULB, 12V 60/55W	
3	8036214	1	BLINKER BULB, 12V 5W	
3	8036215	1	WIRING HARNESS, (includes 6-way connector)	
3	8036209	1	LEFT AMBER HEADLIGHT LENS	
4	7150716	1	RH ROADLIGHT BRACKET ASSY	
4	7150717	1	RH ROADLIGHT BRACKET	
4	7150703	1	FRONT ROADLIGHT, (torque nut to 7-15 lb-ft/9-20 Nm)	
4	8036210	1	RIGHT AMBER HEADLIGHT LENS	
4	8036216	6	HEADLIGHT LENS SCREW	
4	8036212	1	HEADLIGHT LENS	
4	8036213	1	HEADLIGHT BULB, 12V, 60/55W	
4	8036214	1	BLINKER BULB, 12V, 5W	
4	8036215	1	WIRING HARNESS, (includes 6-way connector)	
5	7150730	1	WIRE HARNESS	
6		Ref	ROAD LIGHTING HARNESS, (See ROAD LIGHTING HARNESS for Breakdown)	
7	8223057	1	BRAKE LIGHT SWITCH	
8	8223059	1	WORKLIGHT SWITCH	
9	8223060	1	HAZARD SWITCH	
10	8223073	1	TURN SIGNAL LEVER	
11	8225119	1	RELAY	
12	8229233	1	FUSE, 7.5 AMP	
13	8229235	1	FUSE, 20 AMP	
14	8229238	1	FUSE, 40 AMP	
15	0641511	1	HEX HD CAPSCREW, 5/16-18X1-3/8	
16	8303771	10	HEX HD CAPSCREW, 3/8-16X2-1/4, GR5	
17	8305626	1	HEX LOCKNUT, 5/16-18	
18	8305645	10	HEX LOCKNUT, 3/8	
19	8307204	20	FLAT WASHER, 3/8	
21	8500203	1	FLASHER, 12V	
22	8584001	32	TIE WRAP	
23	8584018	2	TIE MOUNT	
25	1001096314	1	WORKLIGHT	
25	8036216	4	WORKLIGHT LENS SCREW	
25	8036218	1	WORKLIGHT HALOGEN BULB	
27	88501005	1	HEX NUT, 5/16-18	
28	4891600	1	STEEL WASHER, 3/8	
29	8582007	1	CLIP	
101	7150681	1	LH WORKLIGHT BRACKET ASSY	
101	7150680	1	RH WORKLIGHT BRACKET ASSY	
102	1001096314	1	WORKLIGHT	
102	8036216	4	WORKLIGHT LENS SCREW	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
102	8036218	1	WORKLIGHT HALOGEN BULB	
103	7150690	1	TAIL/INDICATOR LIGHT	
103	N.S.S.	2	TAIL LIGHT LENS SCREW	
103	8036219	1	TAIL LIGHT LENS	
103	8036221	1	BLINKER BULB, 12V, 21W	
103	8036222	1	TAIL AND BRAKE LIGHT BULB, 12V, 21/5W	
103	8036220	1	WIRING HARNESS, (includes 4-way connector)	
104	8303745	1	HEX HD CAPSCREW, 5/16-18X5/8	
105	8305626	1	HEX LOCKNUT, 5/16-18	

FIGURE 10-6. ROTATING BEACON INSTALLATION

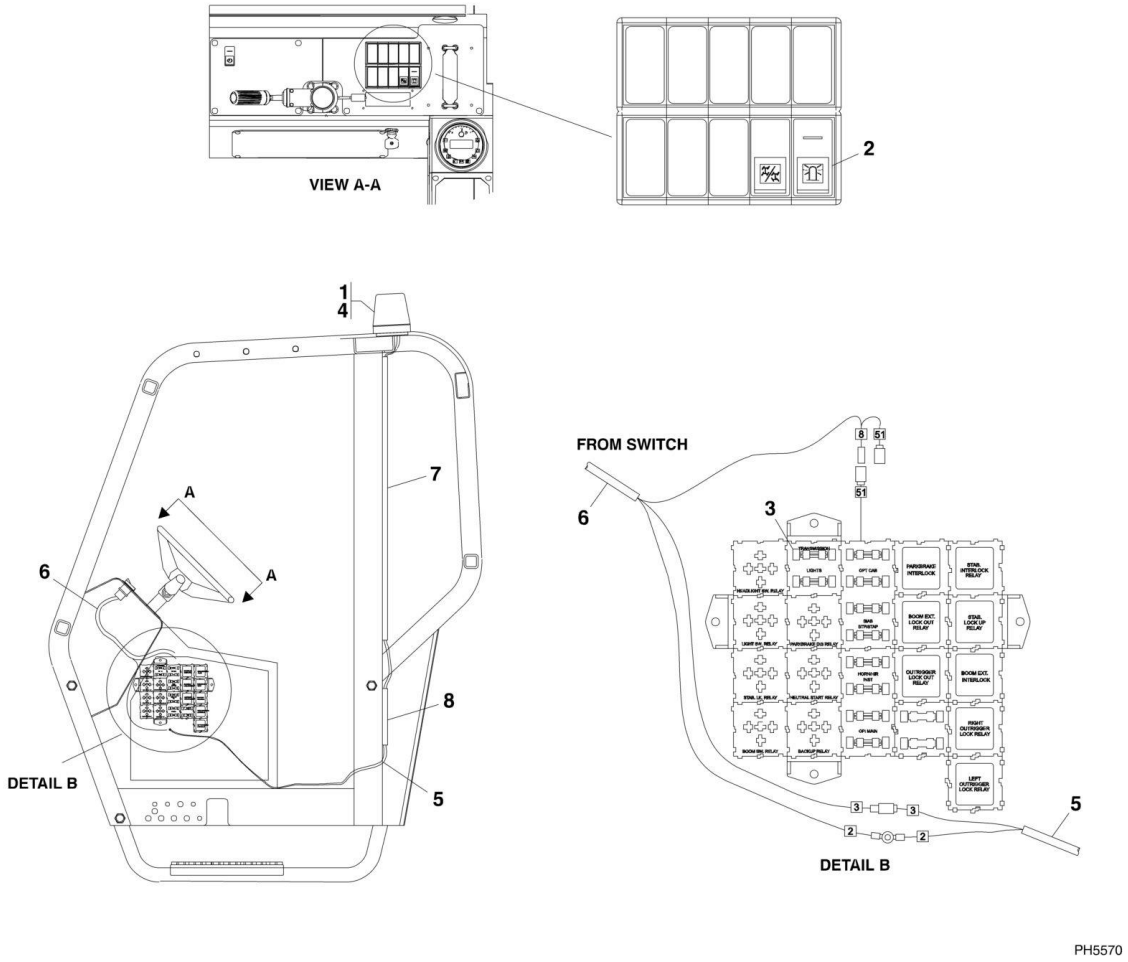
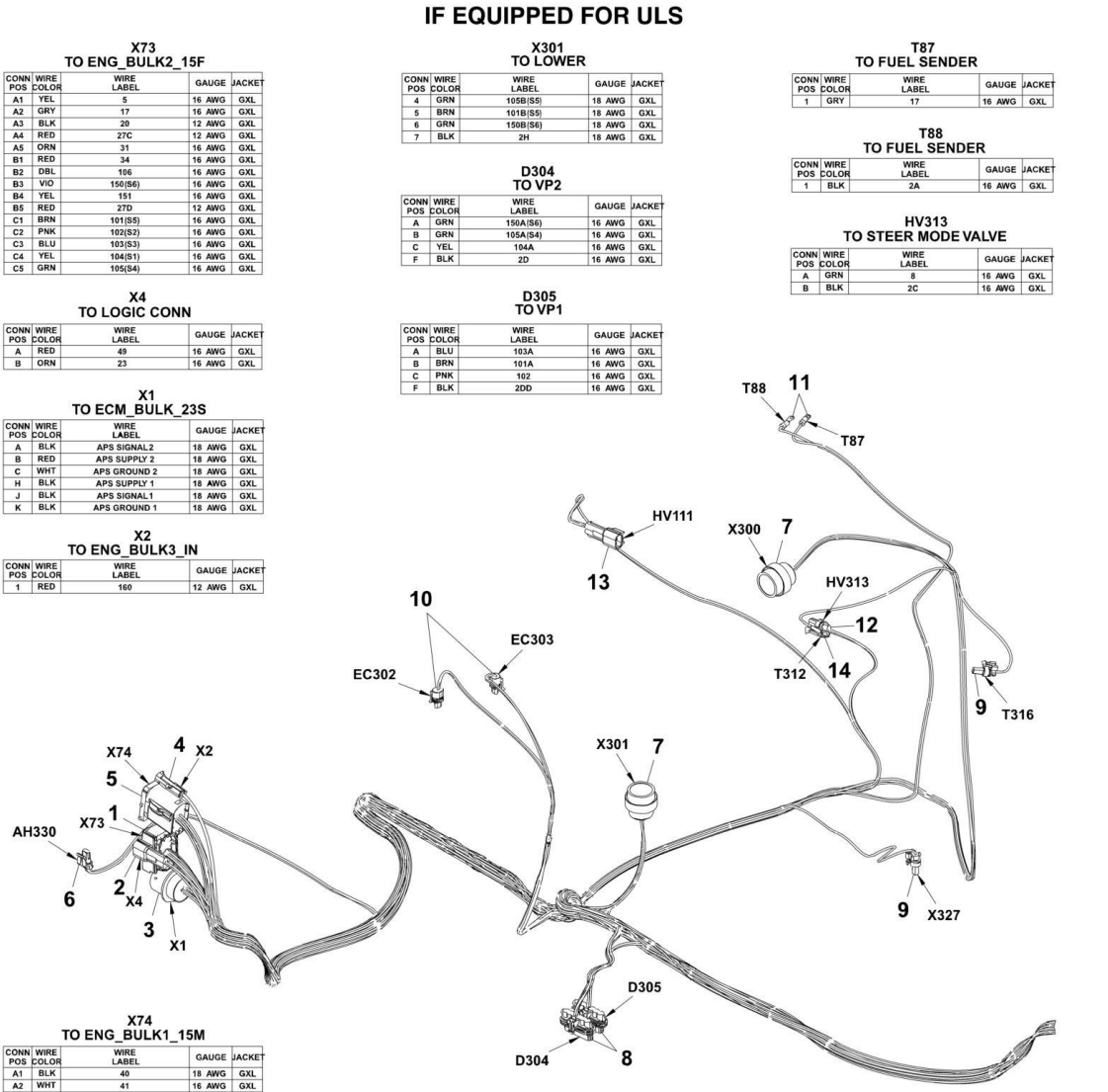


FIGURE 10-6. ROTATING BEACON INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001130897	1	ROTATING BEACON INSTALLATION, OPEN CAB, (includes all items)	A
	1001130898	1	ROTATING BEACON INSTALLATION, ENCLOSED CAB, (includes items 1 thru 6)	A
1	0100009	AR	SEALANT	
2	8223038	1	BEACON SWITCH	
3	8229233	1	FUSE, 7.5 AMP	
4	8500066	1	ROTATING BEACON LIGHT	
5	7139263	1	WIRE ASSY	
6	7139269	1	WIRE ASSY FROM SWITCH	
7	7139267	1	UPPER WIRE DUCT	
8	7139268	1	LOWER WIRE DUCT	

FIGURE 10-7. ENGINE HARNESS IF EQUIPPED FOR ULS



X73
TO ENG_BULK2_15F

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A1	YEL	5	16 AWG	GXL
A2	GRY	17	16 AWG	GXL
A3	BLK	20	12 AWG	GXL
A4	RED	27C	12 AWG	GXL
A5	ORN	31	16 AWG	GXL
B1	RED	34	16 AWG	GXL
B2	DBL	106	16 AWG	GXL
B3	VIO	150(S6)	16 AWG	GXL
B4	YEL	151	16 AWG	GXL
B5	RED	27D	12 AWG	GXL
C1	BRN	101(S5)	16 AWG	GXL
C2	PNK	102(S2)	16 AWG	GXL
C3	BLU	103(S3)	16 AWG	GXL
C4	YEL	104(S1)	16 AWG	GXL
C5	GRN	105(S4)	16 AWG	GXL

X4
TO LOGIC CONN

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	RED	49	16 AWG	GXL
B	ORN	23	16 AWG	GXL

X1
TO ECM_BULK_23S

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	BLK	APS SIGNAL 2	18 AWG	GXL
B	RED	APS SUPPLY 2	18 AWG	GXL
C	WHT	APS GROUND 2	18 AWG	GXL
H	BLK	APS SUPPLY 1	18 AWG	GXL
J	BLK	APS SIGNAL 1	18 AWG	GXL
K	BLK	APS GROUND 1	18 AWG	GXL

X2
TO ENG_BULK3_IN

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	RED	160	12 AWG	GXL

X74
TO ENG_BULK1_15M

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A1	BLK	40	18 AWG	GXL
A2	WHT	41	16 AWG	GXL
A3	ORN	47	16 AWG	GXL
A4	BLK	20A	12 AWG	GXL
A5	WHT	158	16 AWG	GXL
B1	GRN	18	16 AWG	GXL
B2	BLK	24A	16 AWG	GXL
B3	WHT	28	16 AWG	GXL
B4	BRN	35	16 AWG	GXL
B5	YEL	38	16 AWG	GXL
C1	GRN	6	16 AWG	GXL
C2	GRN	8	16 AWG	GXL
C3	GRN	9	16 AWG	GXL
C4	TAN	10	16 AWG	GXL
C5				

AH330
TO HORN

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	WHT	158	16 AWG	GXL
B	BLK	24A	16 AWG	GXL

X300
TO UPPER

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	YEL	104B(S1)	16 AWG	GXL
2	YEL	120B(S2)	18 AWG	GXL
3	BLU	103B(S3)	18 AWG	GXL
7	BLK	2J	18 AWG	GXL

X301
TO LOWER

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
4	GRN	105B(S5)	18 AWG	GXL
5	BRN	101B(S5)	18 AWG	GXL
6	GRN	150B(S6)	18 AWG	GXL
7	BLK	2H	18 AWG	GXL

D304
TO VP2

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	GRN	150A(S6)	16 AWG	GXL
B	GRN	105A(S4)	16 AWG	GXL
C	YEL	104A	16 AWG	GXL
F	BLK	2D	16 AWG	GXL

D305
TO VP1

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	BLU	103A	16 AWG	GXL
B	BRN	101A	16 AWG	GXL
C	PNK	102	16 AWG	GXL
F	BLK	2DD	16 AWG	GXL

T316
TO TRANS TEMP SW

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	GRN	18	16 AWG	GXL

X327
TO HYD TEMP SW

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	YEL	151	16 AWG	GXL

EC302
TO SECONDARY FUNCTION VALVE

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	BLU	41A	18 AWG	GXL
B	BLK	2E	18 AWG	GXL

EC303
TO SECONDARY FUNCTION VALVE

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	BLU	41B	18 AWG	GXL
B	BLK	2F	18 AWG	GXL

T87
TO FUEL SENDER

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	GRY	17	16 AWG	GXL

T88
TO FUEL SENDER

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	2A	16 AWG	GXL

HV313
TO STEER MODE VALVE

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	GRN	8	16 AWG	GXL
B	BLK	2C	16 AWG	GXL

HV111
TO STEER MODE VALVE

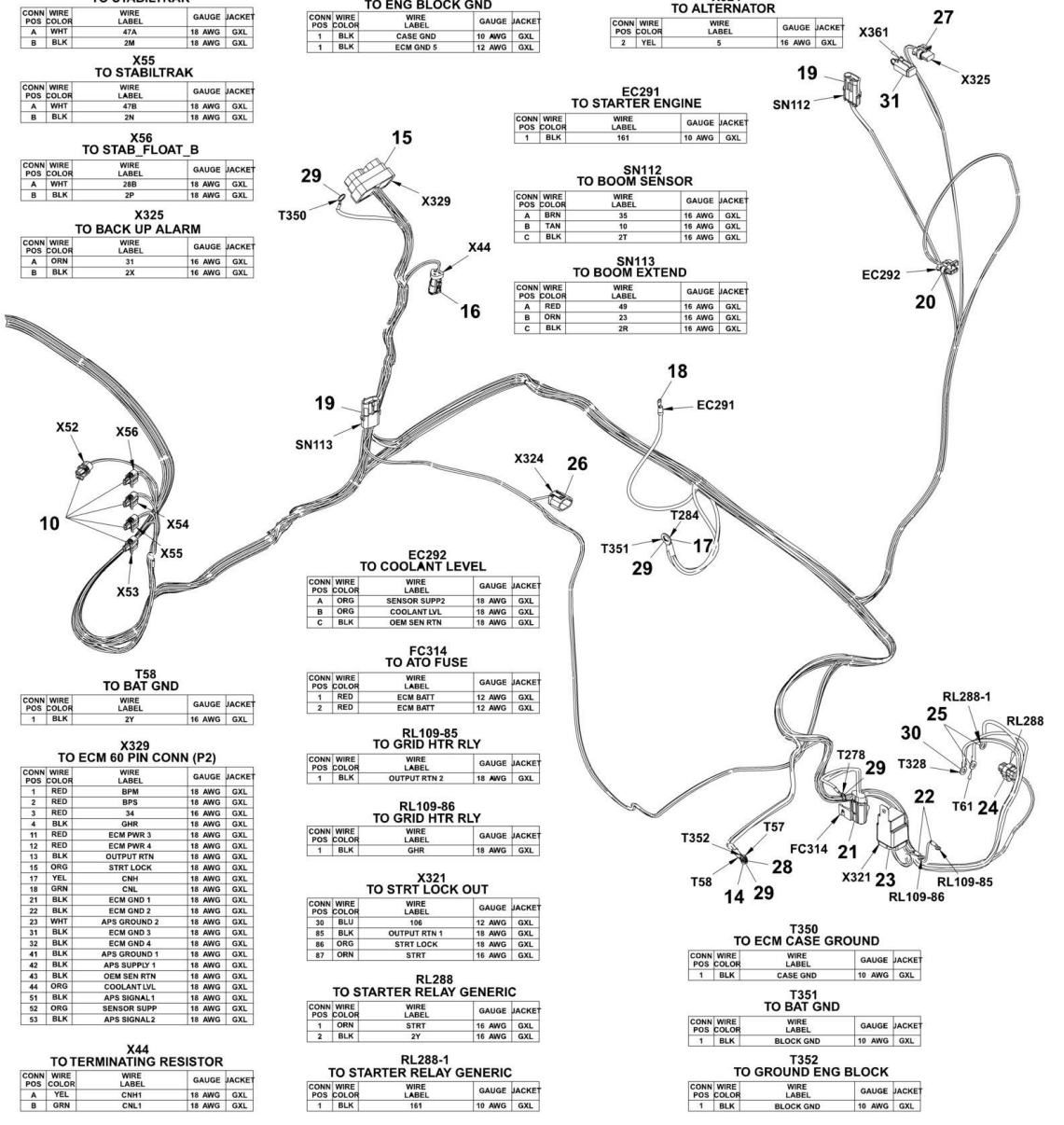
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	GRN	9	16 AWG	GXL
B	BLK	2B	16 AWG	GXL

T312
TO TRANS GND

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	2G	16 AWG	GXL

PAP26350

IF EQUIPPED FOR ULS



X52 TO STABILTRAK

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	BLK	40	18 AWG	GXL
B	BLK	2K	18 AWG	GXL

X53 TO STABILTRAK

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	WHT	28A	18 AWG	GXL
B	BLK	2L	18 AWG	GXL

X54 TO STABILTRAK

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	WHT	47A	18 AWG	GXL
B	BLK	2M	18 AWG	GXL

X55 TO STABILTRAK

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	WHT	47B	18 AWG	GXL
B	BLK	2N	18 AWG	GXL

X56 TO STAB_FLOAT_B

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	WHT	28B	18 AWG	GXL
B	BLK	2P	18 AWG	GXL

X325 TO BACK UP ALARM

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	ORN	31	16 AWG	GXL
B	BLK	2X	16 AWG	GXL

T58 TO BAT GND

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	2Y	16 AWG	GXL

X329 TO ECM 60 PIN CONN (P2)

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	RED	BPM	18 AWG	GXL
2	RED	BPS	18 AWG	GXL
3	RED	34	16 AWG	GXL
4	BLK	GHR	18 AWG	GXL
11	RED	ECM PWR 3	18 AWG	GXL
12	RED	ECM PWR 4	18 AWG	GXL
13	BLK	OUTPUT RTN	18 AWG	GXL
15	ORG	STRT LOCK	18 AWG	GXL
17	YEL	CNH	18 AWG	GXL
18	GRN	CNL	18 AWG	GXL
21	BLK	ECM GND 1	18 AWG	GXL
22	BLK	ECM GND 2	18 AWG	GXL
23	WHT	APS GROUND 2	18 AWG	GXL
31	BLK	ECM GND 3	18 AWG	GXL
32	BLK	ECM GND 4	18 AWG	GXL
41	BLK	APS GROUND 1	18 AWG	GXL
42	BLK	APS SUPPLY 1	18 AWG	GXL
43	BLK	OEM SEN RTN	18 AWG	GXL
44	ORG	COOLANT LVL	18 AWG	GXL
51	BLK	APS SIGNAL1	18 AWG	GXL
52	ORG	SENSOR SUPP	18 AWG	GXL
53	BLK	APS SIGNAL2	18 AWG	GXL

X44 TO TERMINATING RESISTOR

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	YEL	CNH1	18 AWG	GXL
B	GRN	CNL1	18 AWG	GXL

T57 TO ENG_GND

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	20C	12 AWG	GXL
1	BLK	20E	12 AWG	GXL

T278 TO BATT+

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	RED	ECM BATT	12 AWG	GXL

T284 TO ENG BLOCK GND

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	CASE GND	10 AWG	GXL
1	BLK	ECM GND 5	12 AWG	GXL

EC291 TO STARTER ENGINE

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	161	10 AWG	GXL

SN112 TO BOOM SENSOR

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	BRN	35	16 AWG	GXL
B	TAN	10	16 AWG	GXL
C	BLK	2T	16 AWG	GXL

SN113 TO BOOM EXTEND

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	RED	49	16 AWG	GXL
B	ORN	23	16 AWG	GXL
C	BLK	2R	16 AWG	GXL

EC292 TO COOLANT LEVEL

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	ORG	SENSOR SUPP2	18 AWG	GXL
B	ORG	COOLANT LVL	18 AWG	GXL
C	BLK	OEM SEN RTN	18 AWG	GXL

FC314 TO ATO FUSE

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	RED	ECM BATT	12 AWG	GXL
2	RED	ECM BATT	12 AWG	GXL

RL109-85 TO GRID HTR RLY

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	OUTPUT RTN 2	18 AWG	GXL

RL109-86 TO GRID HTR RLY

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	GHR	18 AWG	GXL

X321 TO STRT LOCK OUT

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
30	BLU	106	12 AWG	GXL
85	BLK	OUTPUT RTN 1	18 AWG	GXL
86	ORG	STRT LOCK	18 AWG	GXL
87	ORN	STRT	16 AWG	GXL

RL288 TO STARTER RELAY GENERIC

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	ORN	STRT	16 AWG	GXL
2	BLK	2Y	16 AWG	GXL

RL288-1 TO STARTER RELAY GENERIC

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	161	10 AWG	GXL

T61 TO PWR BUSS

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	RED	27D	12 AWG	GXL

T328 TO PWR BUSS

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	RED	160	12 AWG	GXL
1	RED	27C	12 AWG	GXL

X324 TO ALTERNATOR

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
2	YEL	5	16 AWG	GXL

T350 TO ECM CASE GROUND

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	CASE GND	10 AWG	GXL

T351 TO BAT GND

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	BLOCK GND	10 AWG	GXL

T352 TO GROUND ENG BLOCK

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	BLOCK GND	10 AWG	GXL

PAP26311

FIGURE 10-7. ENGINE HARNESS IF EQUIPPED FOR ULS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001129759	1	ENGINE HARNESS, (IF EQUIPPED FOR ULS), (includes all items)	J
1	8220927	1	CONNECTOR	
1	1001116728	11	TERMINAL	
1	4460458	11	SEAL	
1	1001116747	4	TERMINAL	
1	8220089	4	SEAL	
2	4461157	1	CONNECTOR	
2	4460475	2	TERMINAL	
2	4460458	2	SEAL	
3	8220548	1	CONNECTOR	
3	1001116692	6	TERMINAL	
3	4460466	17	PLUG	
4	80963056	1	CONNECTOR	
4	4460850	1	TERMINAL	
4	80963067	1	SEAL	
5	8220929	1	CONNECTOR	
5	1001116729	13	TERMINAL	
5	1001116745	1	TERMINAL	
5	1001116727	1	PLUG	
6	1001117068	1	CONNECTOR	
6	8220124	2	TERMINAL	
7	8220536	2	CONNECTOR	
7	1001129513	4	TERMINAL	
8	4460744	2	CONNECTOR	
8	1001116728	4	TERMINAL	
8	8220081	4	SEAL	
8	1001116727	2	PLUG	
9	1001119004	2	CONNECTOR	
9	1001116728	1	TERMINAL	
10	4460955	7	CONNECTOR	
10	1001116748	2	TERMINAL	
11	4460042	2	RING TERMINAL	
11	4460042	1	RING TERMINAL	
12	1001117021	1	CONNECTOR	
12	1001116728	2	TERMINAL	
12	4460458	2	SEAL	
13	1001117026	1	CONNECTOR	
13	1001116729	2	TERMINAL	
14	4460256	2	RING TERMINAL	
14	4460256	1	RING TERMINAL	
15	1001126208	1	CONNECTOR	
15	1001119619	22	TERMINAL	
15	4460518	38	SEAL PLUG	
16	4461095	1	TERMINAL	
16	4461094	2	TERMINAL	
16	4460466	1	PLUG	
17	8220164	1	RING TERMINAL	
17	8220164	2	RING TERMINAL	
18	4460142	1	RING TERMINAL	
18	1001117111	1	FORK TERMINAL	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	4460476	1	CONNECTOR	
19	4460475	3	TERMINAL	
19	4460458	3	PLUG	
20	1001125027	1	METRI-PACK CONNECTOR	
20	8220124	3	TERMINAL	
21	1001117070	1	CONNECTOR	
21	1001116734	2	TERMINAL	
22	4460247	2	RING TERMINAL	
22	4460247	1	RING TERMINAL	
23	1001118282	1	CONNECTOR	
23	1001116734	1	TERMINAL	
23	1001116732	2	TERMINAL	
23	1001116733	1	TERMINAL	
24	1001116950	1	CONNECTOR	
24	4460465	2	SOCKET TERMINAL	
25	4460312	2	RING TERMINAL	
25	4460312	1	RING TERMINAL	
26	1001125748	1	CONNECTOR	
26	1001129773	2	SEAL PLUG	
26	1001125773	1	TERMINAL	
27	1001117021	1	METRI-PACK CONNECTOR	
27	1001116728	2	TERMINAL	
27	8220081	2	SEAL	
28	4460019	1	RING TERMINAL	
28	4460019	2	RING TERMINAL	
29	4460019	4	RING TERMINAL	
29	4460019	1	RING TERMINAL	
30	4460312	1	RING TERMINAL	
30	4460312	2	RING TERMINAL	
31	4460884	1	CONNECTOR	
31	4460465	3	TERMINAL	
31	4460466	1	PLUG	

FIGURE 10-8. ENGINE HARNESS IF EQUIPPED FOR LS

IF EQUIPPED FOR LS

X73
TO ENG_BULK2_15F

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A1	YEL	5	16 AWG	GXL
A2	GRY	17	16 AWG	GXL
A3	BLK	20	12 AWG	GXL
A4	RED	27C	12 AWG	GXL
A5	ORN	31	16 AWG	GXL
B1	RED	34	16 AWG	GXL
B2	BLU	106	16 AWG	GXL
B3	VIO	150(S6)	16 AWG	GXL
B4	YEL	151	16 AWG	GXL
B5	RED	27D	12 AWG	GXL
C1	BRN	101(S5)	16 AWG	GXL
C2	PNK	102(S2)	16 AWG	GXL
C3	BLU	103(S3)	16 AWG	GXL
C4	YEL	104(S1)	16 AWG	GXL
C5	GRN	105(S4)	16 AWG	GXL

X4
TO LOGIC CONN

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	RED	49	16 AWG	GXL
B	ORN	23	16 AWG	GXL

X1
TO ECM_BULK_23S

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	BLK	APS GND 1	18 AWG	GXL
B	BLK	APS SUPP 1	18 AWG	GXL
C	BLK	APS SIG 1	18 AWG	GXL
H	RED	APS SUPP 2	18 AWG	GXL
J	WHT	APS GND 2	18 AWG	GXL
K	BLK	APS SIG 2	18 AWG	GXL
X	ORN	CHG	16 AWG	GXL

X2
TO ENG_BULK3_IN

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	RED	160	12 AWG	GXL

X74
TO ENG_BULK1_15M

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A1	BLK	40	18 AWG	GXL
A2	WHT	41	16 AWG	GXL
A3	ORN	47	16 AWG	GXL
A4	BLK	20A	12 AWG	GXL
A5	WHT	158	16 AWG	GXL
B1	GRN	18	16 AWG	GXL
B2	BLK	24A	16 AWG	GXL
B3	WHT	28	16 AWG	GXL
B4	BRN	35	16 AWG	GXL
B5	YEL	38	16 AWG	GXL
C1	GRN	6	16 AWG	GXL
C2	GRN	8	16 AWG	GXL
C3	GRN	9	16 AWG	GXL
C4	TAN	10	16 AWG	GXL

AH330
TO HORN

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	WHT	158	16 AWG	GXL
B	BLK	24A	16 AWG	GXL

X300
TO UPPER

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	YEL	104B(S1)	16 AWG	GXL
2	YEL	120B(S2)	16 AWG	GXL
3	BLU	103B(S3)	18 AWG	GXL
7	BLK	2J	18 AWG	GXL

X301
TO LOWER

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
4	GRN	105B(S5)	18 AWG	GXL
5	BRN	101B(S5)	18 AWG	GXL
6	GRN	150B(S6)	18 AWG	GXL
7	BLK	2H	18 AWG	GXL

D304
TO VP2

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	GRN	150A(S6)	16 AWG	GXL
B	GRN	105A(S4)	16 AWG	GXL
C	YEL	104A	16 AWG	GXL
F	BLK	2D	16 AWG	GXL

D305
TO VP1

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	BLU	103A	16 AWG	GXL
B	BRN	101A	16 AWG	GXL
C	PNK	102	16 AWG	GXL
F	BLK	2DD	16 AWG	GXL

T316
TO TRANS TEMP SW

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	GRN	18	16 AWG	GXL

X327
TO HYD TEMP SW

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	YEL	151	16 AWG	GXL

EC302
TO SECONDARY FUNCTION VALVE

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	BLU	41A	18 AWG	GXL
B	BLK	2E	18 AWG	GXL

EC303
TO SECONDARY FUNCTION VALVE

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	BLU	41B	18 AWG	GXL
B	BLK	2F	18 AWG	GXL

T88
TO FUEL SENDER

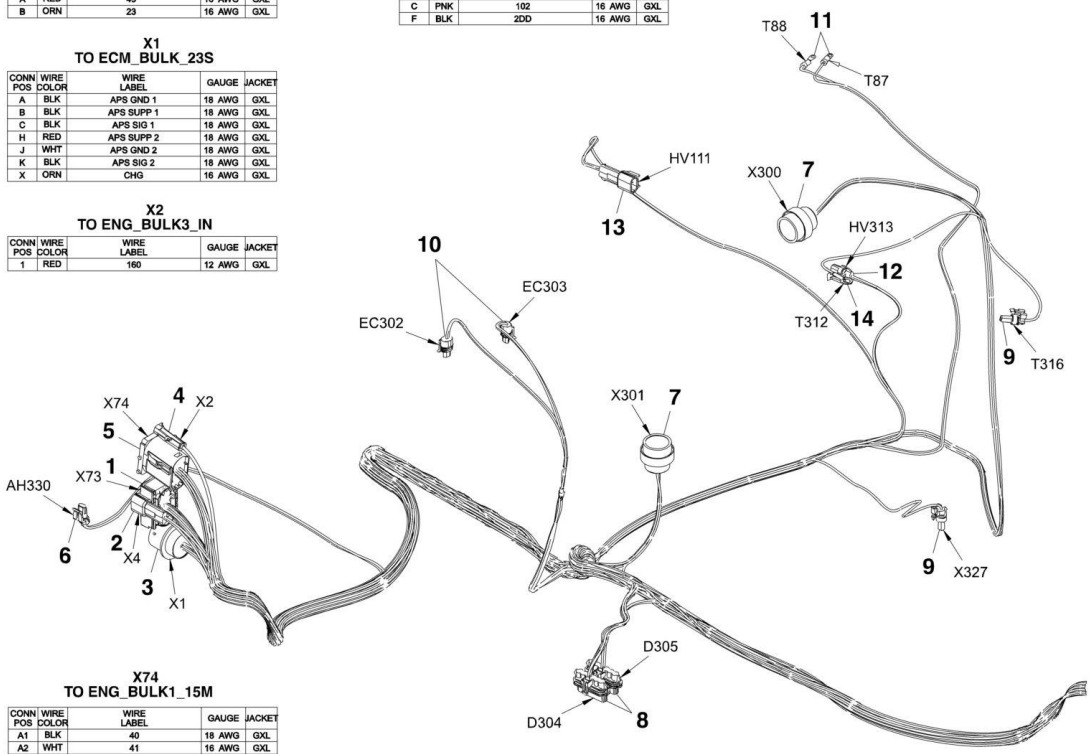
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	2A	16 AWG	GXL

HV313
TO STEER MODE VALVE

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	GRN	8	16 AWG	GXL
B	BLK	2C	16 AWG	GXL

T87
TO FUEL SENDER

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	GRY	17	16 AWG	GXL



HV111
TO STEER MODE VALVE

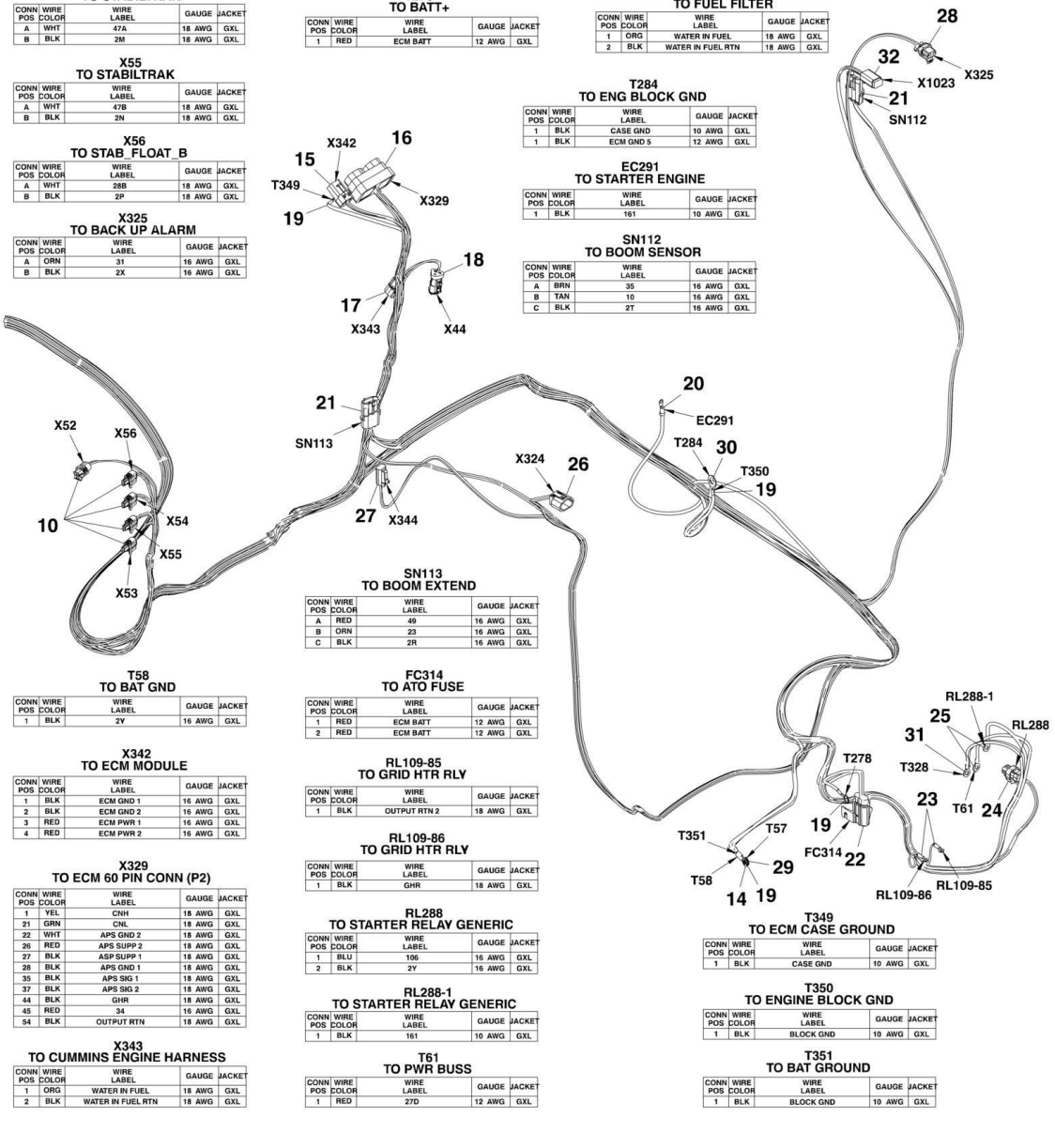
CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	GRN	9	16 AWG	GXL
B	BLK	2B	16 AWG	GXL

T312
TO TRANS GND

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	2G	16 AWG	GXL

PH5610

IF EQUIPPED FOR LS



X52
TO STABILTRAK

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	BLK	40	18 AWG	GXL
B	BLK	2K	18 AWG	GXL

X53
TO STABILTRAK

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	WHT	28A	18 AWG	GXL
B	BLK	2L	18 AWG	GXL

X54
TO STABILTRAK

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	WHT	47A	18 AWG	GXL
B	BLK	2M	18 AWG	GXL

X55
TO STABILTRAK

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	WHT	47B	18 AWG	GXL
B	BLK	2N	18 AWG	GXL

X56
TO STAB_FLOAT_B

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	WHT	28B	18 AWG	GXL
B	BLK	2P	18 AWG	GXL

X325
TO BACK UP ALARM

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	ORN	31	16 AWG	GXL
B	BLK	2X	16 AWG	GXL

T58
TO BAT GND

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	2Y	16 AWG	GXL

X342
TO ECM MODULE

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	ECM GND 1	16 AWG	GXL
2	BLK	ECM GND 2	16 AWG	GXL
3	RED	ECM PWR 1	16 AWG	GXL
4	RED	ECM PWR 2	16 AWG	GXL

X329
TO ECM 60 PIN CONN (P2)

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	YEL	CNH	18 AWG	GXL
21	GRN	CNL	18 AWG	GXL
22	WHT	APS GND 2	18 AWG	GXL
26	RED	APS SUPP 2	18 AWG	GXL
27	BLK	ASP SUPP 1	18 AWG	GXL
28	BLK	APS GND 1	18 AWG	GXL
35	BLK	APS SIG 1	18 AWG	GXL
37	BLK	APS SIG 2	18 AWG	GXL
44	BLK	GHR	18 AWG	GXL
45	RED	34	16 AWG	GXL
54	BLK	OUTPUT RTN	18 AWG	GXL

X343
TO CUMMINS ENGINE HARNESS

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	ORG	WATER IN FUEL	18 AWG	GXL
2	BLK	WATER IN FUEL RTN	18 AWG	GXL

X44
TO TERMINATING RESISTOR

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	YEL	CNH1	18 AWG	GXL
B	GRN	CNL1	18 AWG	GXL

T57
TO ENG_GND

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	20C	12 AWG	GXL
1	BLK	20E	12 AWG	GXL

T278
TO BATT+

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	RED	ECM BATT	12 AWG	GXL

SN113
TO BOOM EXTEND

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	RED	49	16 AWG	GXL
B	ORN	23	16 AWG	GXL
C	BLK	2R	16 AWG	GXL

FC314
TO ATO FUSE

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	RED	ECM BATT	12 AWG	GXL
2	RED	ECM BATT	12 AWG	GXL

RL109-85
TO GRID HTR RLY

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	OUTPUT RTN 2	18 AWG	GXL

RL109-86
TO GRID HTR RLY

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	GHR	18 AWG	GXL

RL288
TO STARTER RELAY GENERIC

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLU	106	16 AWG	GXL
2	BLK	2Y	16 AWG	GXL

RL288-1
TO STARTER RELAY GENERIC

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	161	10 AWG	GXL

T61
TO PWR BUSS

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	RED	27D	12 AWG	GXL

T328
TO PWR BUSS

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	RED	160	12 AWG	GXL
1	RED	27C	12 AWG	GXL

X324
TO ALTERNATOR

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	YEL	5	16 AWG	GXL
2	ORN	CHG	16 AWG	GXL

X344
TO FUEL FILTER

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	ORG	WATER IN FUEL	18 AWG	GXL
2	BLK	WATER IN FUEL RTN	18 AWG	GXL

T284
TO ENG BLOCK GND

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	CASE GND	10 AWG	GXL
1	BLK	ECM GND 5	12 AWG	GXL

EC291
TO STARTER ENGINE

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	161	10 AWG	GXL

SN112
TO BOOM SENSOR

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
A	BRN	35	16 AWG	GXL
B	TAN	10	16 AWG	GXL
C	BLK	2T	16 AWG	GXL

T349
TO ECM CASE GROUND

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	CASE GND	10 AWG	GXL

T350
TO ENGINE BLOCK GND

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	BLOCK GND	10 AWG	GXL

T351
TO BAT GROUND

CONN POS	WIRE COLOR	WIRE LABEL	GAUGE	JACKET
1	BLK	BLOCK GND	10 AWG	GXL

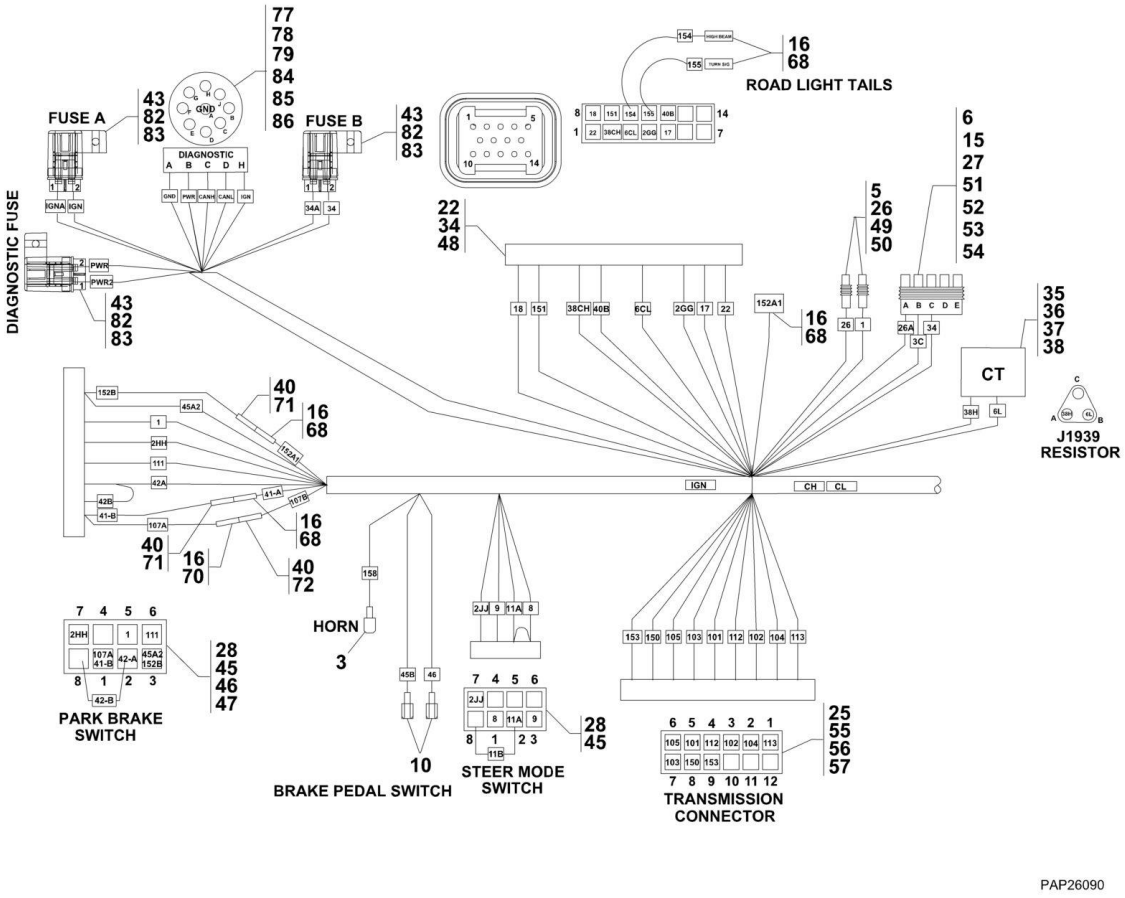
PAP26361

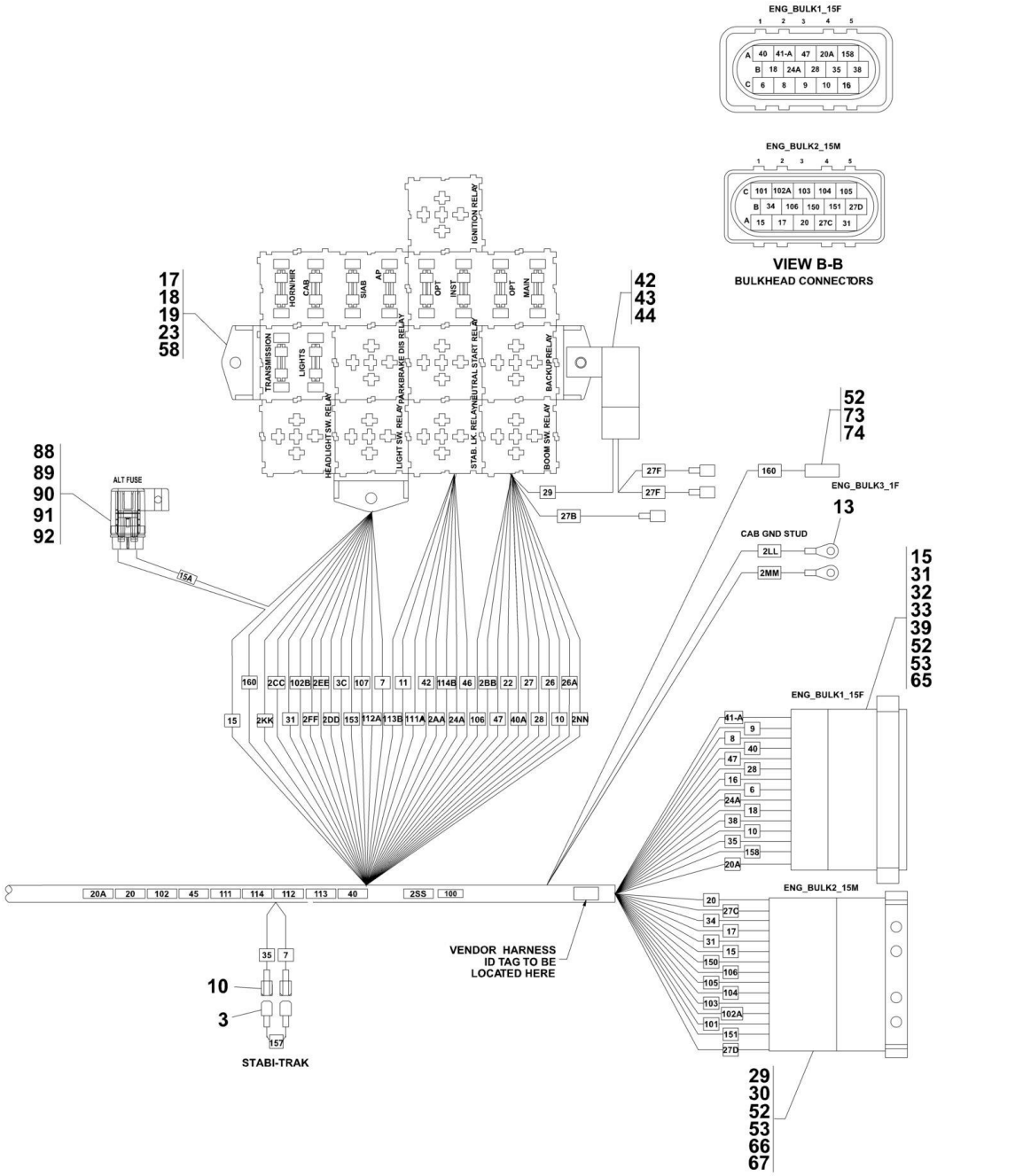
FIGURE 10-8. ENGINE HARNESS IF EQUIPPED FOR LS

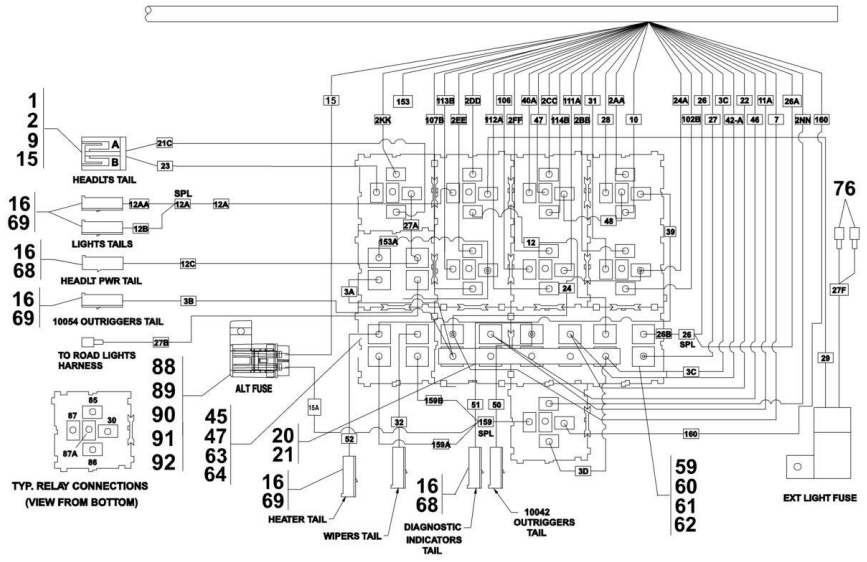
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001133350	1	ENGINE HARNESS, (IF EQUIPPED FOR LS), (includes all items)	H
1	8220927	1	CONNECTOR	
1	1001116728	12	TERMINAL	
1	8220081	12	CABLE SEAL, METRI-PACK	
1	8220089	3	CABLE SEAL TERMINAL, METRI-PACK	
1	1001116747	3	TERMINAL	
2	4461157	1	CONNECTOR	
2	4460475	2	TERMINAL	
2	8220081	2	CABLE SEAL, METRI-PACK	
3	8220548	1	CONNECTOR	
3	1001116692	7	SOCKET TERMINAL	
3	4460466	16	SEALING PLUG TERMINAL	
4	80963056	1	CONNECTOR	
4	4460979	1	TERMINAL	
5	8220929	1	CONNECTOR	
5	1001116729	14	TERMINAL	
6	1001117068	1	METRI-PACK CONNECTOR	
6	8220124	2	TERMINAL	
7	8220536	2	CONNECTOR	
7	1001129513	4	SOCKET TERMINAL	
8	4460744	2	METRI-PACK CONNECTOR	
8	1001116728	4	TERMINAL	
8	8220081	2	CABLE SEAL, METRI-PACK	
8	1001116727	2	PLUG	
9	1001119004	2	METRI-PACK CONNECTOR	
9	1001116728	1	TERMINAL	
10	4460955	7	CONNECTOR	
10	1001116748	2	TERMINAL	
11	4460042	2	RING TERMINAL	
11	4460042	1	RING TERMINAL	
12	1001117021	1	METRI-PACK CONNECTOR	
12	1001116747	2	TERMINAL	
13	1001117026	1	METRI-PACK CONNECTOR	
13	1001116729	2	TERMINAL	
14	4460256	2	RING TERMINAL	
14	4460256	1	RING TERMINAL	
15	1001116810	1	CONNECTOR	
15	4460509	4	SOCKET TERMINAL	
16	1001116831	1	CONNECTOR	
16	1001119619	11	SOCKET TERMINAL	
16	4460518	49	SEALING PLUG TERMINAL	
17	4460897	1	TERMINAL	
17	4460464	2	TERMINAL	
18	4461095	1	CONNECTOR	
18	4460943	2	TERMINAL	
18	4460466	1	SEAL PLUG	
19	4460019	5	RING TERMINAL	
20	4460142	1	RING TERMINAL	
20	1001117111	1	FORK TERMINAL	
21	4460476	2	TERMINAL	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
21	4460475	3	TERMINAL	
22	1001117070	1	METRI-PACK CONNECTOR	
22	1001116734	2	TERMINAL	
23	4460247	2	RING TERMINAL	
23	4460247	1	RING TERMINAL	
24	1001116950	1	AMPSEAL 16 CONNECTOR	
24	4460465	2	SOCKET TERMINAL	
25	4460312	3	RING TERMINAL	
25	4460312	4	RING TERMINAL	
26	1001125748	1	CONNECTOR	
26	1001125773	2	TERMINAL	
27	4460891	1	TERMINAL	
27	4460465	2	SOCKET TERMINAL	
28	1001117021	1	METRI-PACK CONNECTOR	
28	1001116728	2	TERMINAL	
28	8220081	2	CABLE SEAL, METRI-PACK	
29	4460019	1	RING TERMINAL	
29	8220164	1	RING TERMINAL	
30	8220164	1	RING TERMINAL	
30	8220164	2	RING TERMINAL	
31	4460312	1	RING TERMINAL	
31	4460312	2	RING TERMINAL	
32	4460884	1	CONNECTOR	
32	4460465	3	TERMINAL	
32	4460466	1	SEALING PLUG TERMINAL	

FIGURE 10-9. CAB POWER DISTRIBUTION HARNESS (Prior to SN 0160065987)




ENG_BULK1_15F
ENG_BULK2_15M
VIEW B-B
BULKHEAD CONNECTORS
IGNITION RELAY
HORN/HR
CAB
SJAB
AP
OPT
INST
OPT
MAIN
TRANSMISSION
LIGHTS
PARKBRAKE DIS RELAY
NEUTRAL START RELAY
BACKUP RELAY
HEADLIGHT SW. RELAY
LIGHT SW. RELAY
STAB. LK. RELAY
BOOM SW. RELAY
ALT FUSE
15A
CAB GND STUD
ENG_BULK3_1F
VENDOR HARNESS
ID TAG TO BE
LOCATED HERE
STABI-TRAK
ART_1001129762_2-I



FUSE BOX DETAIL (VIEW FROM UNDERSIDE)

WIRE NO	COLOR	WIRE GAGE/TYPE	WIRE TO/FROM
160	RED	12 SXL	IGN RELAY PIN 30 - ENG_BULK3_1F
159B	PURPLE	14 SXL	SPLICE 159 - CAB FUSE
159A	PURPLE	12 SXL	SPLICE 159 - HORN/HTR FUSE
159	PURPLE	12 SXL	IGN RELAY PIN 87 - SPLICE 159
158	BLACK	16 SXL	HORN TERM - ENG_BULK1_15F-A5
157	BROWN	16 SXL	JUMPER WIRE AT STABI-TRAKTERMS
IGNA	BLUE	18 SXL	SPLICE IGN-FUSE A PIN 1
155	GREEN/RED	16 GXL	INSTR PNL PIN 11 - ROADLT TAIL
154	BLUE/WHITE	16 GXL	INSTR PNL PIN 10 - ROADLT TAIL
153A	GREY/WHITE	16 SXL	TRANSM FUSE - PKBRK DIS RELAY PIN 30
153	GREY/WHITE	16 SXL	TRANSM CONN PIN 9 - PKBRK DIS RELAY PIN 30
152B	BLACK/WHITE	16 SXL	PBRK SW MALE CONN - PKBRK SW PIN 3
IGN	BLUE	18 SXL	FUSE A PIN 2-DIAGNOSTIC PIN H
GND	BLACK	16 SXL	DIAGNOSTIC PIN A-SPLICE 20
152A1	BLACK/WHITE	16 SXL	OUTRIGGER TAIL - PKBRK SW FEM CONN
151	YELLOW/GREEN	16 GXL	INSTR PNL PIN 9 - ENG_BULK2_15M-B4
150	PURPLE	16 SXL	TRANSM CONN PIN 8 - ENG_BULK2_15M-B3
114B	BLUE/ORANGE	16 SXL	STAB LK RELAY PIN 86 - SPLICE 114
114A	BLUE/ORANGE	16 SXL	SPLICE 112 DIODE - SPLICE 114
113C	RED	16 SXL	SPLICE 113 - SPLICE 111 DIODE
113B	RED	16 SXL	SPLICE 113 - PKBRK DIS RELAY PIN 87
113A	RED	16 SXL	SPLICE 111 DIODE - SPLICE 111
113	RED	16 SXL	TRANSM CONN PIN 1 - SPLICE 113
112A	GREY	16 SXL	NEU ST RELAY PIN 86 - SPLICE 112
112	GREY	16 SXL	TRANSM CONN PIN 4 - SPLICE 112
111A	RED	12 SXL	SPLICE 111 - NEUT START RELAY PIN 30
111	RED	12 SXL	PKBRK SW PIN 6 - SPLICE 111
107B	BLUE	18 SXL	PKBRK SW MALE CONN - PKBRK DIS RELAY PIN 86
107A	BLUE	18 SXL	PKBRK SW PIN 1 - PKBRK SW FEM CONN
106	BLUE/ORANGE	12 SXL	NEU ST RELAY PIN 87 - ENG_BULK2_15M-B2
105	GREEN	16 SXL	TRANSM CONN PIN 6 - ENG_BULK2_15M-C5
104	YELLOW	16 SXL	TRANSM CONN PIN 2 - ENG_BULK2_15M-C4
103	BLUE	16 SXL	TRANSM CONN PIN 7 - ENG_BULK2_15M-C3
15A	LT BLUE	12 SXL	ALT FUSE PIN 2 - SPLICE 159
PWR2	RED	16 SXL	SPLICE 27-DIAGNOSTIC FUSE PIN 1
CANL	GREEN	18 SXL	DIAGNOSTIC PIN D-SPLICE CL
CANH	YELLOW	18 SXL	DIAGNOSTIC PIN C-SPLICE CH
PWR	RED	16 SXL	DIAGNOSTIC PIN B-DIAGNOSTIC FUSE PIN 2
102B	PINK	16 SXL	SPLICE 102 - BACKUP RELAY PIN 86
102A	PINK	16 SXL	SPLICE 102 - ENG_BULK2_15M-C2
102	PINK	16 SXL	SPLICE 102 - TRANSM CONN PIN 3
101	BROWN	16 SXL	TRANSM CONN PIN 5 - ENG_BULK2_15M-C1

WIRE NO	COLOR	WIRE GAGE/TYPE	WIRE TO/FROM
52	ORANGE	14 SXL	HORN/HTR FUSE - HEATER TAIL
51	WHITE/RED	16 SXL	OPT FUSE - DIAG IND TAIL
50	WHITE/YELLOW	16 SXL	OPT FUSE - 10042 OUTRIG TAIL
48	PURPLE/BLACK	16 SXL	STAB RELAY PIN 30 - BOOM SW RELAY PIN 87A
47	ORANGE/WHITE	16 SXL	STAB RELAY PIN 87A - ENG_BULK1_15F-A3
46	WHITE/ORANGE	16 SXL	STR/STAB FUSE - BRAKE PEDALSW
45B	DK BLUE/ORANGE	16 SXL	SPLICE 45 - BRAKE PED SW
45A2	DK BLUE/ORANGE	16 SXL	SPLICE 45 DIODE - PKBRK SW PIN 3
45A	DK BLUE/ORANGE	16 SXL	SPLICE 45 DIODE - SPLICE 45
45	DK BLUE/ORANGE	16 SXL	SPLICE 45 - SPLICE 114
42-B	TAN	16 SXL	PKBRK SW JUMPER PINS 2-8
42-A	TAN	16 SXL	PKBRK SW PIN 2 - INSTR FUSE
41-B	DK BLUE/WHITE	16 SXL	PKBRK SW PIN 1 - PKBRK SW MALE CONN
41-A	DK BLUE/WHITE	16 SXL	PBRK SW FEM CONN - ENG_BULK1_15F-A2
40B	BROWN/BLACK	16 GXL	SPLICE 40 - INSTR PNL PIN 12
40A	BROWN/BLACK	16 SXL	SPLICE 40 - STAB LK RELAY PIN 87
40	BROWN/BLACK	16 SXL	SPLICE 40 - ENG_BULK1_15F-A1
39	RED/GRAY	16 SXL	BOOM SW RELAY PIN 30 - STAB FUSE
38	YELLOW	16 SXL	SPLICE CH - ENG_BULK1_15F-B5
35	BROWN/WHITE	16 SXL	STABI-TRAKTERM - ENG_BULK1_15F-B4
34	RED/BLACK	16 SXL	FUSE B PIN 2 - ENG_BULK2_15M-B1
32	GRAY/WHITE	14 SXL	CAB FUSE - WIPER TAIL
31	ORANGE/RED	16 SXL	BACKUP RELAY PIN 87 - ENG_BULK2_15M-A5
29	RED	12 SXL	EXT LIGHT FUSE - LIGHT SW RELAY PIN 30
28	PURPLE/WHITE	16 SXL	BOOM SW RELAY PIN 87 - ENG_BULK1_15F-B3
27F	RED	12 SXL	12V_BUSSBAR - EXT LIGHTS FUSE
27D	RED	12 SXL	SPLICE 27 - ENG_BULK2_15M-B5
27C	RED	12 SXL	SPLICE 27 - ENG_BULK2_15M-A4
27B	RED	12 SXL	ROAD LIGHT HARN CONN - LIGHT FUSE
27A	RED	12 SXL	HDLT SW RELAY PIN 30 - LIGHTS FUSE
27	RED	10 SXL	SPLICE 27 - MAIN FUSE
26B	RED	10 GXL	SPLICE 26 - MAIN FUSE
26A	RED	10 GXL	SPLICE 26 - IGN SWITCH PIN A
26	RED	10 GXL	SPLICE 26 - IGN SWITCH
24A	ORANGE/GREEN	14 SXL	BKUP RELAY PIN 30 - ENG_BULK1_15F-B2
24	ORANGE/GREEN	14 SXL	BACKUP RELAY PIN 30 - HORN/HTR FUSE
23	GREEN	16 SXL	HEADLT CONN PIN B - HEADLT SW RELAY PIN 87
22	WHITE	16 GXL	INSTR FUSE DIODE - INSTR PNL PIN 1
21C	RED	16 SXL	HEADLT CONN PIN A -HEADDLT SW RELAY PIN 86
20A	BLACK	12 SXL	ENG_BULK1_15F-A4 - SPLICE 20A

WIRE NO	COLOR	WIRE GAGE/TYPE	WIRE TO/FROM
20	BLACK	12 SXL	ENG_BULK2_15M-A3 - SPLICE 20
18	GREEN	18 SXL	ENG_BULK1_15F-B1 - INSTPNL PIN 8
17	GRAY	18 SXL	ENG_BULK2_15M-A2 - INSTPNL PIN 5
38CH	YELLOW	18 SXL	SPLICE CH-INSTPNL PIN 2
38H	YELLOW	18 SXL	SPLICE CH-CT PIN A
34A	RED/BLK	16 SXL	FUSE B PIN 1-SPLICE IGN
15	LT. BLUE	18 SXL	ENG_BULK2_15M-A1 - SPLICE 159
12AA	DK BLUE	12 SXL	SPLICE 12A - LIGHT OPTION TAIL
12C	DK BLUE	16 SXL	LIGHTS FUSE - HDLIGHT PWR TAIL
12B	DK BLUE	12 SXL	SPLICE 12A - LIGHT OPTION TAIL
12A	DK BLUE	12 SXL	SPLICE 12A - LIGHT SW RELAY PIN 87
12	DK BLUE	18 SXL	OPT FUSE - LIGHT SW. RELAY PIN 86
11B	LT. GREEN	16 SXL	STEER-MODE SW JUMPER PIN 2-PIN 8
11A	LT. GREEN	16 SXL	STEER-MODE SW PIN 2 - STR/STAB FUSE
10	TAN	16 SXL	BOOM SW RELAY PIN 86 - ENG_BULK1_15F-C4
9	GREEN/BLACK	16 SXL	STEER-MODE SW PIN 3 - ENG_BULK1_15F-C3
8	GREEN/WHITE	16 SXL	STEER-MODE SW PIN 1 - ENG_BULK1_15F-C2
7	BROWN	16 SXL	STAB FUSE - STABI-TRAKTERM
6	GREEN	18 SXL	SPLICE CL- ENG_BULK1_15F-C1
3D	PURPLE	18 SXL	IGN RELAY PIN 86 - FUSEBOX_BUSSBAR
3C	PURPLE	10 SXL	IGN SW PIN B - FUSE BUSSBAR
3B	PURPLE	10 SXL	FUSE BUSSBAR - 10054 OUTRIG TAIL
3A	PURPLE	10 SXL	TRANSMISSION FUSE - FUSE BUSSBAR
6CL	GREEN	18 SXL	SPLICE CL-INSTPNL PIN 3
6L	GREEN	18 SXL	SPLICE CL-CT PIN B
IGNSW	BLUE	16 SXL	IGNITION SWITCH PIN C-SPLICE IGN
2NN	BLACK	12 SXL	SPLICE 20 - IGNITION RELAY PIN 85
2MM	BLACK	12 SXL	SPLICE 20A - CAB GROUND STUD
2LL	BLACK	12 SXL	SPLICE 20 - CAB GROUND STUD
2KK	BLACK	18 SXL	SPLICE 20 - HEADLIGHT SW RELAY PIN 85
2JJ	BLACK	18 SXL	SPLICE 20A - STEER-MODE SW PIN 7
2HH	BLACK	18 SXL	SPLICE 20A - PKRBRK SW PIN 7
2GG	BLACK	18 SXL	SPLICE 20A - INSTR PNL PIN 4
2FF	BLACK	18 SXL	SPLICE 20 - NEUTRAL START RELAY PIN 85
2EE	BLACK	18 SXL	SPLICE 20A - PKRBRK DIS RELAY PIN 85
2DD	BLACK	18 SXL	SPLICE 20 - LIGHT SW RELAY PIN 85
2CC	BLACK	18 SXL	SPLICE 20 - STAB LK. RELAY PIN 85
2BB	BLACK	18 SXL	SPLICE 20A - BACKUP RELAY PIN 85
2AA	BLACK	18 SXL	SPLICE 20 - BOOM RELAY PIN 85
1	WHITE	10 SXL	IGN SW - PRKBRK SW PIN 5

ART_1001129762_3-I

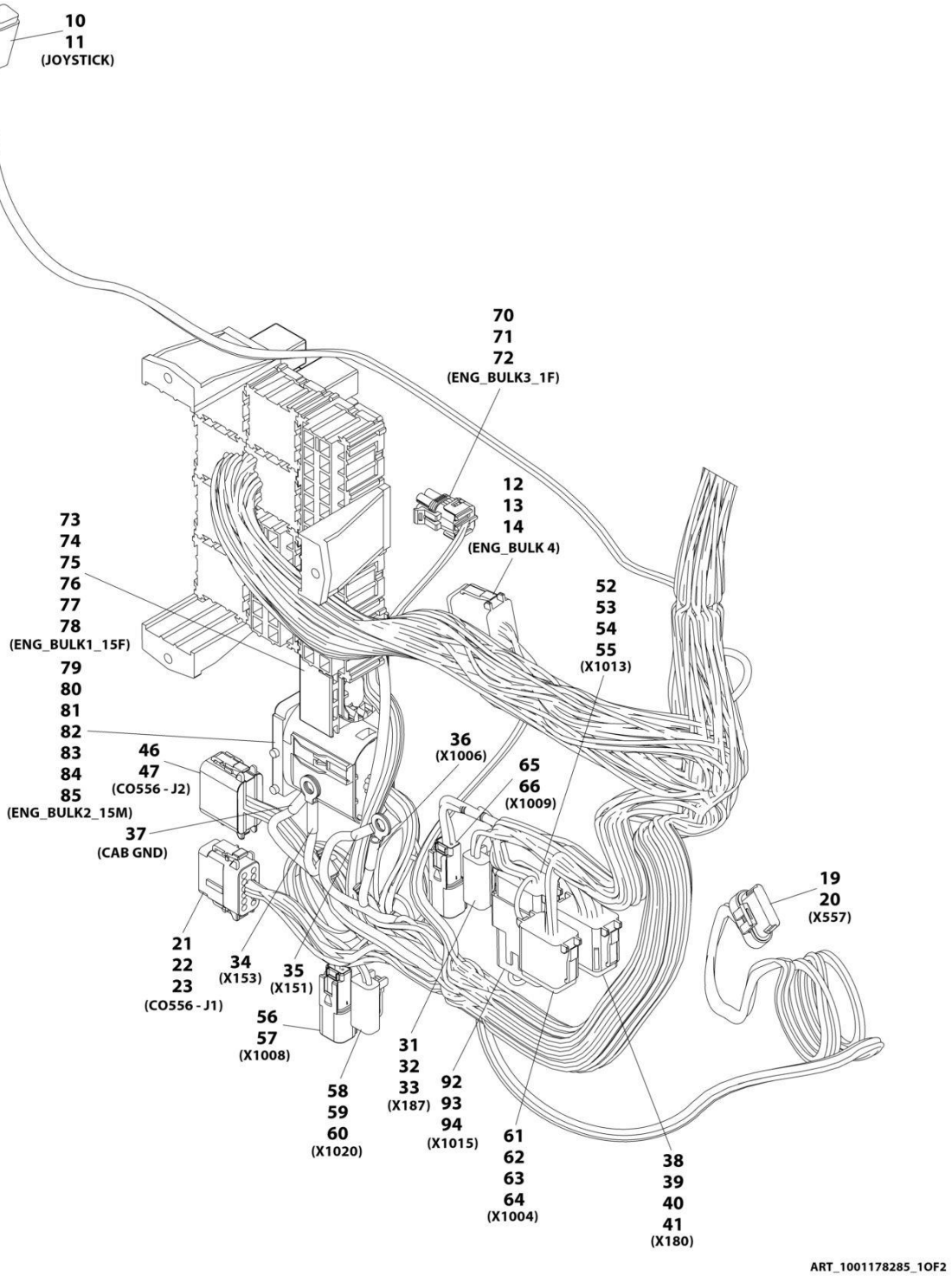
FIGURE 10-9. CAB POWER DISTRIBUTION HARNESS (Prior to SN 0160065987)

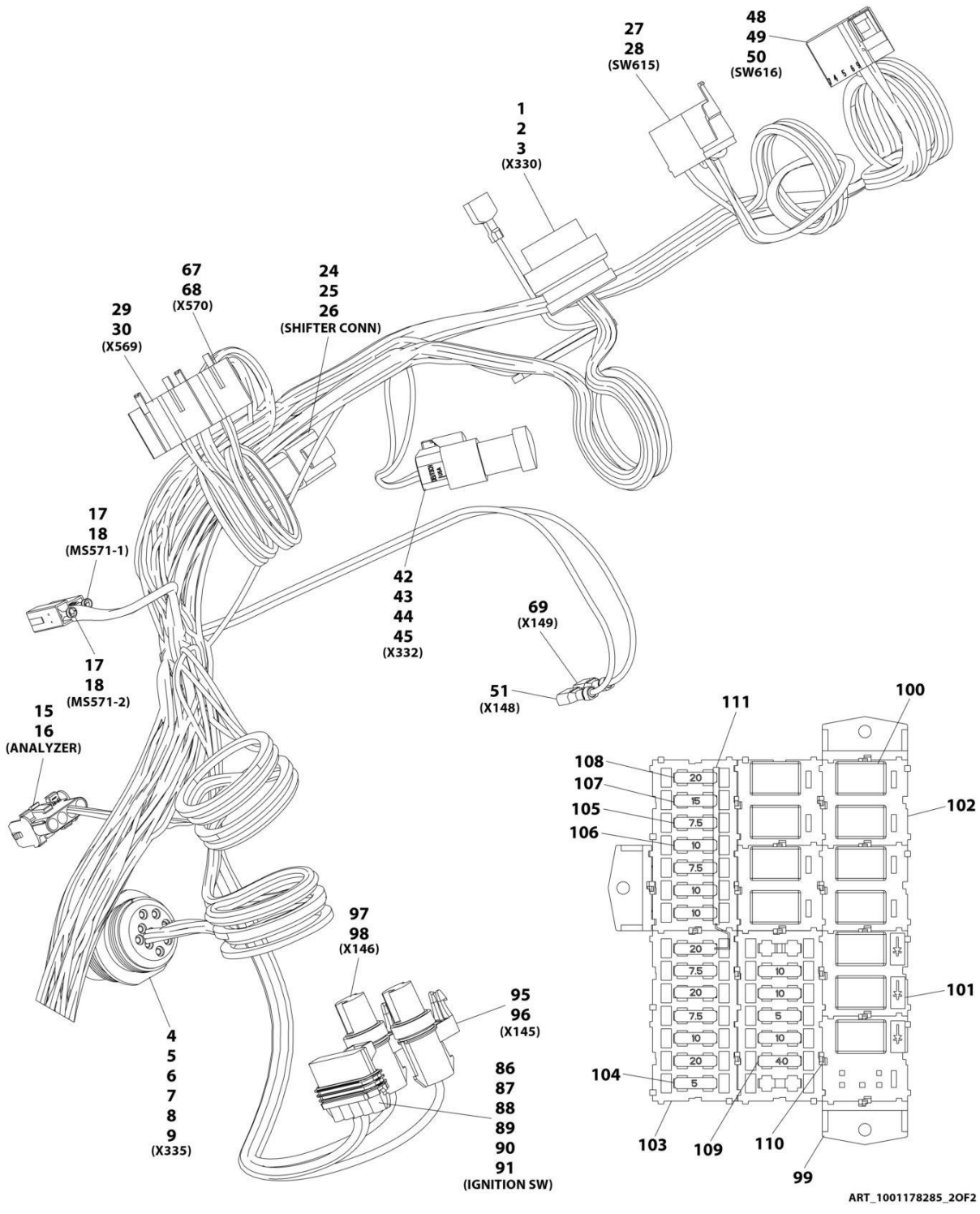
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001129762	1	CAB POWER DISTRIBUTION HARNESS, (includes all items)	I
1	1001117021	1	PLUG, METRI-PACK, SERIES 280, 2 POSITION	
2	8220890	1	SECONDARY LOCK, 2 WAY, SEALED METRI-PACK	
3	4460206	3	MALE BLADE	
5	1001121728	2	CONNECTOR, FEMALE, 1 POSITION	
6	1001121726	1	PLUG, METRI-PACK, SERIES 280, 5 POSITION	
9	4460458	1	SEAL TERMINAL, METRI-PACK, SERIES 280	
10	70024672	4	FEMALE BLADE TERMINAL	
15	1001116728	15	TERMINAL, METRI-PACK, 280 SERIES	
16	8220970	13	CONNECTOR	
17	70024244	2	4 FUSE MODULE	
18	70024245	3	MOUNTING LEG	
19	4461103	20	LOCKING WEDGE	
20	70024246	1	BUS BAR	
21	70024247	1	BUS BAR INSULATOR	
22	4460872	1	PLUG, AMPSEAL, 14 POSITION	
23	4461101	10	LOCKING WEDGE	
25	80363178	1	CONNECTOR	
26	1001121728	2	CONNECTOR, FEMALE	
27	1001121726	1	CONNECTOR, FEMALE, 5 POSITION, METRI-PACK	
28	7026439	2	CONNECTOR	
29	8220929	11	CONNECTOR, METRI-PACK, 15 POSITION, MALE	
30	70024253	11	TPA LOCK	
31	8220927	1	CONNECTOR, METRI-PACK, 15 POSITION, FEMALE	
32	70024254	1	TPA LOCK	
33	70024255	1	SEAL	
34	4460905	4	HOLE SEAL PLUG TERMINAL, AMPSEAL	
35	91554018	1	CONNECTOR	
36	70020891	3	TERMINAL	
37	8220553	1	RECEPTACLE	
38	70021825	1	WEDGE LOCK	
39	70024256	1	SIDE LOCK	
40	7116562	3	CONNECTOR, MALE	
42	70024257	1	CONNECTOR	
43	1001096134	3	FUSE COVER HOLDER	
44	1001116734	2	TERMINAL, METRI-PACK, FEMALE	
45	70022747	20	TERMINAL	
46	70024258	1	TERMINAL, METRI-PACK, FEMALE	
47	1001116735	7	TERMINAL, METRI-PACK, FEMALE	
48	4460871	8	AMPSEAL SOCKET TERMINAL	
49	1001121730	2	TERMINAL, FEMALE, METRI-PACK	
50	8220160	2	CABLE SEAL TERMINAL, FEMALE, METRI-PACK	
51	8220125	2	TERMINAL, FEMALE, METRI-PACK	
52	8220089	6	CABLE SEAL TERMINAL, METRI-PACK	
53	8220081	18	CABLE SEAL, METRI-PACK	
54	1001116727	2	CAVITY PLUG, METRI-PACK	
55	80363179	1	LOCK WEDGE	
56	4460464	9	TERMINAL, #16-#18 PIN	
57	4460466	3	SEALING PLUG TERMINAL	
58	70024248	1	2 FUSE MODULE	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
59	70024249	1	FUSE TERMINAL, WITH SPRING CLIP	
60	70024250	3	FUSE TERMINAL, WITH SPRING CLIP	
61	70024251	9	FUSE TERMINAL, WITH SPRING CLIP	
62	70024252	13	SECONDARY LOCK	
63	4460419	17	TERMINAL, FEMALE, METRI-PACK	
64	4461102	30	SECONDARY LOCK	
65	1001116747	2	TERMINAL, FEMALE, METRI-PACK	
66	1001116745	4	TERMINAL, MALE, METRI-PACK	
67	1001116729	1	TERMINAL, MALE, METRI-PACK	
68	1001116736	9	TERMINAL, FEMALE, UNSEALED	
69	1001116737	4	TERMINAL, FEMALE, UNSEALED	
71	70024259	2	TERMINAL, MALE, METRI-PACK	
72	4461189	1	TERMINAL, MALE, METRI-PACK	
73	80963055	1	CONNECTOR, WEATHER-PACK	
74	4460790	1	TERMINAL, FEMALE SLEEVE SOCKET	
76	70024673	4	FEMALE BLADE TERMINAL	
77	4460466	1	SEAL, PLUG	
78	4460944	1	SOCKET, FEMALE	
79	1001116975	1	CONNECTOR	
82	1001116733	3	TERMINAL, FEMALE	
83	1001117019	3	CONNECTOR, MALE	
84	1001149712	1	CAP AND LANYARD	
85	1001125784	1	LOCKWASHER	
86	1001125785	1	PANEL NUT	
87	70024674	1	MALE BLADE TERMINAL	
88	12066614	1	TERMINAL, PACKARD	
89		Ref	FUSE, 50 AMP	
90	12092677	1	PACKARD	
91	12033997	1	TERMINAL, PACKARD	
92	1233731	1	COVER, PACKARD	

FIGURE 10-10. CAB POWER DISTRIBUTION HARNESS (SN 0160065987 to Present)




27
28
(SW615)
48
49
50
(SW616)
1
2
3
(X330)
67
68
(X570)
24
25
26
(SHIFTER CONN)
29
30
(X569)
17
18
(MS571-1)
42
43
44
45
(X332)
69
(X149)
17
18
(MS571-2)
51
(X148)
15
16
(ANALYZER)
111
100
108
107
105
106
102
101
104
103
109
110
99
97
98
(X146)
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96
(X145)
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(X335)
86
87
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89
90
91
(IGNITION SW)
ART_1001178285_2OF2

FIGURE 10-10. CAB POWER DISTRIBUTION HARNESS (SN 0160065987 to Present)

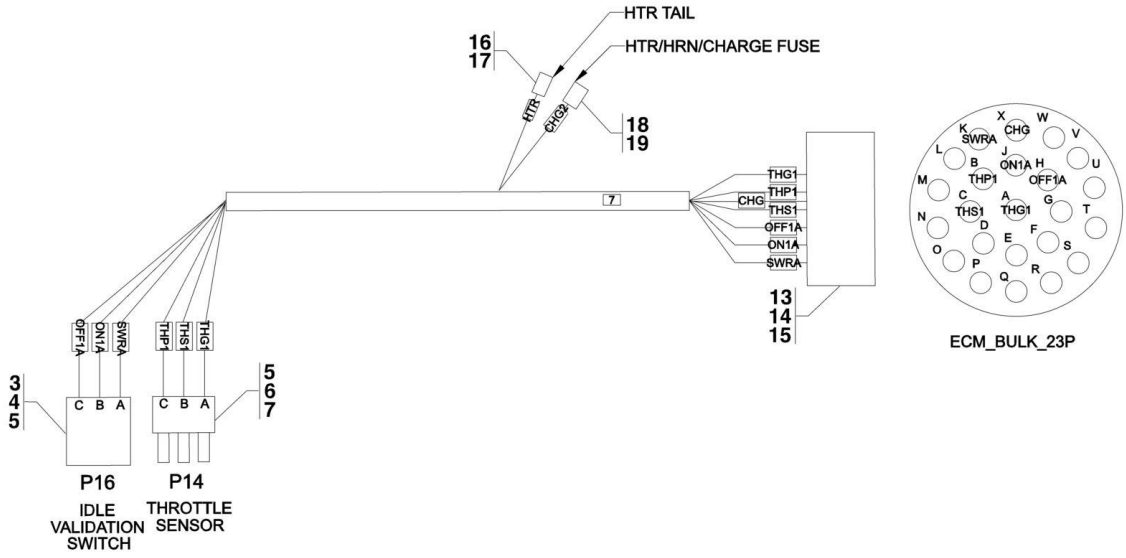
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178285	Ref	CAB POWER DISTRIBUTION HARNESS	K
1	4460872	1	CONNECTOR	
2	4460871	10	TERMINAL, SOCKET	
3	4460905	4	PLUG, SEAL	
4	1001112612	1	CONNECTOR	
5	1001149712	1	CAP	
6	1001125784	1	LOCKWASHER	
7	1001125785	1	NUT	
8	4460464	6	TERMINAL	
9	4460466	3	PLUG	
10	4460884	1	CONNECTOR	
10	80604021	1	LOCK, WEDGE	
11	4460465	4	TERMINAL	
12	4460930	1	CONNECTOR	
12	80604025	1	LOCK, WEDGE	
13	4460465	6	TERMINAL	
14	4460466	2	PLUG	
15	4460761	1	CONNECTOR	
16	1001118378	4	TERMINAL	
17	4460994	1	TERMINAL	
18	1001200833	2	TERMINAL	
19	1001230931	1	CONNECTOR	
20	1001116748	6	TERMINAL	
21	1001116808	1	CONNECTOR	
21	4460909	1	HOUSING	
21	4460915	1	LOCK, WEDGE	
22	1001126008	10	TERMINAL, SOCKET	
23	4460518	2	TERMINAL, PLUG	
24	4460970	1	CONNECTOR	
24	80363179	1	LOCK, WEDGE	
25	4460464	9	TERMINAL	
26	4460466	3	PLUG	
27	8220904	1	CONNECTOR	
28	4460419	6	TERMINAL	
29	1001117119	1	CONNECTOR	
30	1001159186	4	TERMINAL	
31	4460891	1	CONNECTOR	
31	80604018	1	LOCK, WEDGE	
32	1001157890	1	TERMINAL	
33	4460942	1	TERMINAL	
34	1001117106	1	TERMINAL, RING	
35	1001117106	1	TERMINAL, RING	
36	1001117106	1	TERMINAL, RING	
37	1001117106	1	TERMINAL, RING	
38	4460836	1	CONNECTOR	
38	80604016	1	LOCK, WEDGE	
39	4460509	5	TERMINAL, SOCKET	
40	4460465	6	TERMINAL	
41	4460466	1	PLUG	
42	1001116812	1	CONNECTOR	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	91554019	1	LOCK, WEDGE	
43	4461070	1	CONNECTOR	
44	4460465	2	TERMINAL	
45	4460466	1	PLUG	
46	1001116774	1	CONNECTOR	
46	4460908	1	HOUSING	
46	4460915	1	LOCK, WEDGE	
47	1001126008	12	TERMINAL, SOCKET	
48	8220904	1	CONNECTOR	
49	4460419	8	TERMINAL	
50	1001195760	2	TERMINAL	
51	8220051	1	TERMINAL	
52	4460933	1	CONNECTOR	
52	80604016	1	LOCK, WEDGE	
53	1001003174	3	TERMINAL, SOCKET	
54	4460465	7	TERMINAL	
55	4460466	2	TERMINAL	
56	4460897	1	CONNECTOR	
56	80604018	1	LOCK, WEDGE	
57	4460464	2	TERMINAL	
58	4460891	1	CONNECTOR	
58	80604018	1	LOCK, WEDGE	
59	4460465	1	TERMINAL	
60	1001157890	1	TERMINAL	
61	4460930	1	CONNECTOR	
61	8220525	1	LOCK, WEDGE	
62	4460465	3	TERMINAL	
63	1001157890	2	TERMINAL	
64	4460466	3	PLUG	
65	4461017	1	CONNECTOR	
65	80604018	1	LOCK, WEDGE	
66	4460508	2	TERMINAL, SOCKET	
67	1001117119	1	CONNECTOR	
68	1001159186	2	TERMINAL	
69	8220051	1	TERMINAL	
70	80963061	1	CONNECTOR	
71	4460790	4	TERMINAL, SOCKET	
72	8220089	4	SEAL	
73	8220927	1	CONNECTOR	
73	70024256	1	LOCK, SLIDE	
73	70024255	1	SEAL, CONNECTOR	
73	70024254	1	LOCK, SECONDARY	
74	1001116747	11	TERMINAL	
75	4460746	4	TERMINAL	
76	4460458	3	SEAL	
77	8220081	12	SEAL	
78	8220929	1	CONNECTOR	
78	70024253	1	LOCK, SECONDARY	
79	8220097	12	TERMINAL	
80	8220125	2	TERMINAL	
81	1001116727	1	PLUG	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
82	4460458	14	SEAL	
83	1001121726	1	CONNECTOR	
83	70026219	1	LOCK, TPA	
84	8220125	2	TERMINAL	
85	8220089	2	SEAL	
86	1001116726	1	TERMINAL	
87	4460458	1	SEAL	
88	1001116727	2	PLUG	
89	4460970	1	CONNECTOR	
89	80363179	1	LOCK, WEDGE	
90	4460466	6	TERMINAL	
91	4460464	6	TERMINAL	
92	1001121728	1	CONNECTOR, PACKARD FEMALE, 1POS	
92	70026218	1	LOCK, TPA	
93	1001121730	1	TERMINAL	
94	1001121728	1	CONNECTOR, PACKARD FEMALE, 1POS	
94	70026218	1	Lock, TPA	
95	1001121730	1	TERMINAL	
96	1001200845	3	LEG, MOUNTING	
97	1001205172	11	RELAY, MICRO 280, 12V, 35 AMP	
98	1001129285	3	FUSE, MINI DIODE	
99	1001177198	6	MODULE, 2 FUSE	
100	1001187952	3	ASSEMBLY, ELECTRICAL	
101	8229261	2	FUSE, TYPE 5 A	
102	8229233	4	FUSE, TYPE 7.5 A	
103	8229234	7	FUSE, TYPE 10 A	
104	8229237	1	FUSE, TYPE 15 A	
105	8229235	4	FUSE, TYPE 20 A	
106	8229238	1	FUSE, TYPE 40 A	
107	4461103	17	TERMINAL	
108	1001210779	1	TERMINAL	

FIGURE 10-11. DASH/THROTTLE HARNESS



WIRELIST FROM/TO INFORMATION							
WIRE NAME	SPOOL	GAGE	COLOR	FROM COMPONENT	PIN	TO COMPONENT	PIN
ON1A	GXL18PR	18	PURPLE	ECM_BULK_23P	J	P16	B
OFF1A	GXL18O	18	ORANGE	ECM_BULK_23P	H	P16	C
SWRA	GXL18Y	18	YELLOW	ECM_BULK_23P	K	P16	A
THG1	GXL18BK	18	BLACK	ECM_BULK_23P	A	P14	A
THP1	GXL18R	18	RED	ECM_BULK_23P	B	P14	C
THS1	GXL18W	18	WHITE	ECM_BULK_23P	C	P14	B
CHG	GXL16ORG	16	ORANGE	ECM_BULK_23P	X	7	SPLICE
HTR	GXL12ORG	12	ORANGE	HTR TAIL	1	7	SPLICE
CHG2	GXL12ORG	12	ORANGE	HTR/HRN/CHARGE FUSE	1	7	SPLICE

PH5640

FIGURE 10-11. DASH/THROTTLE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001129760	1	DASH/THROTTLE HARNESS, (includes all items)	B
3	4460476	1	CONNECTOR	
4	4460979	3	TERMINAL	
5	4460458	6	SEAL	
6	4460459	1	CONNECTOR	
7	4460743	3	TERMINAL	
13	8220552	1	CONNECTOR	
14	1001116693	9	TERMINAL	
15	4460466	14	SEALING PLUG TERMINAL	
16	8220970	1	CONNECTOR	
17	1001116737	1	TERMINAL	
18	70024263	1	CONNECTOR	
19	70024264	1	TERMINAL	

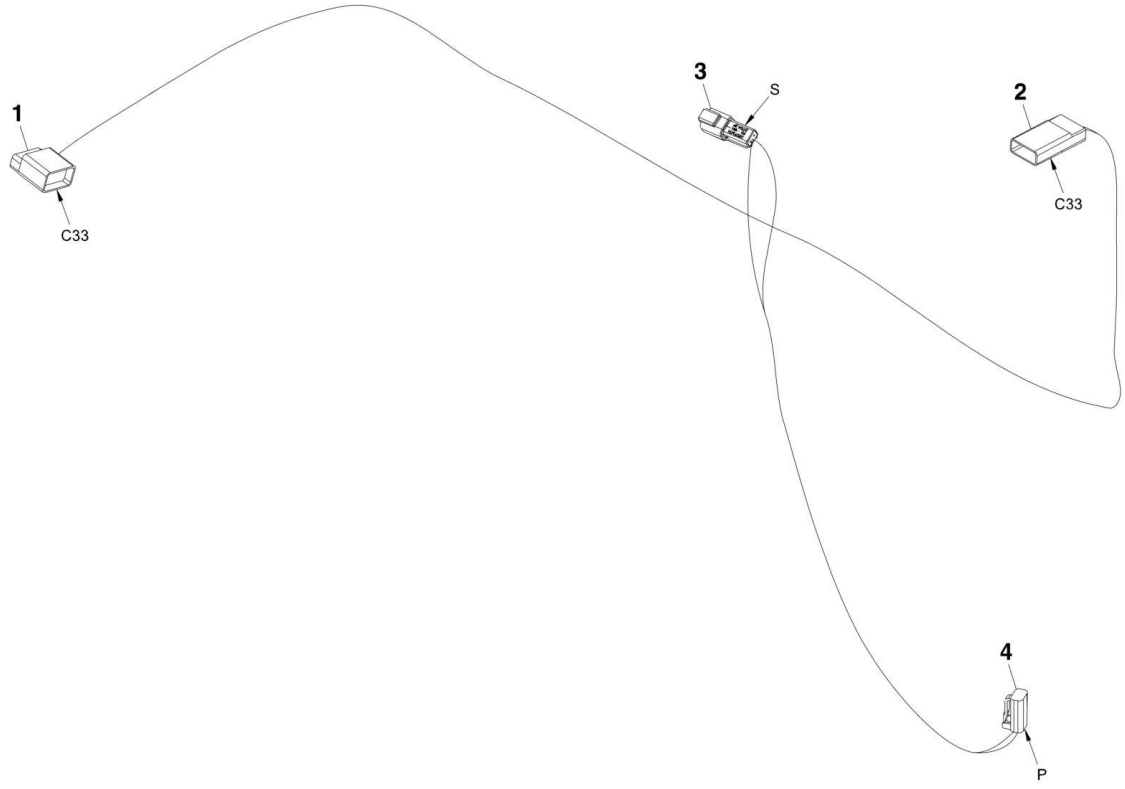
FIGURE 10-12. MAF/WATER IN FUEL HARNESS

C33

CONN POS	WIRE DESIGNATION	COLOR GAUGE
1	MAF_SIGNAL	ORG 18GA
2	VSENSOR_7	BLU 18GA
3	VSENSOR_RTN	BLK 18GA
4	VAT_SIGNAL	BRN 18GA

C33

CONN POS	WIRE DESIGNATION	COLOR GAUGE
1	MAF_SIGNAL	ORG 18GA
2	VSENSOR_7	BLU 18GA
3	VSENSOR_RTN	BLK 18GA
4	VAT_SIGNAL	BRN 18GA



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CONN POS	WIRE DESIGNATION	COLOR GAUGE
1	WATER IN FUEL	ORG 18GA
2	WATER IN FUEL RTN	BLK 18GA

P

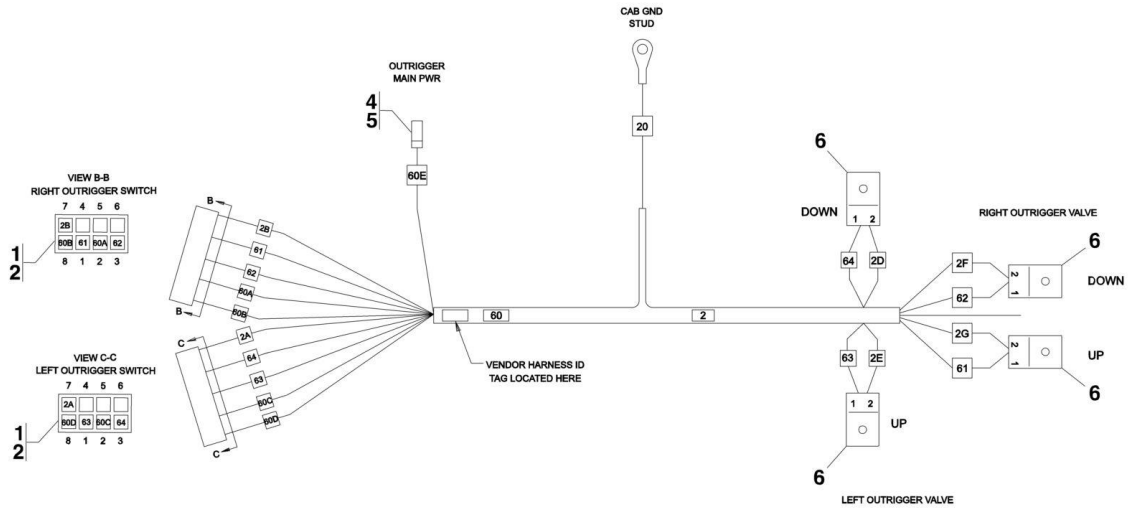
CONN POS	WIRE DESIGNATION	COLOR GAUGE
1	WATER IN FUEL	ORG 18GA
2	WATER IN FUEL RTN	BLK 18GA

PH5681

FIGURE 10-12. MAF/WATER IN FUEL HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001130927	1	MAF/WATER IN FUEL HARNESS, (includes all items)	C
1	1001134193	1	CONNECTOR, MALE, 4 POSITION	
2	1001134192	1	CONNECTOR, FEMALE, 4 POSITION	
3	4460897	1	RECEPTACLE TERMINAL, 2 POSITION	
3	4461273	1	HOUSING	
3	4460464	1	TERMINAL	
3	80604017	1	LOCK WEDGE	
4	4460891	1	PLUG TERMINAL, 2 POSITION	
4	7026408	1	HOUSING	
4	4460465	1	TERMINAL	
4	80604018	1	LOCK WEDGE	

FIGURE 10-13. OUTRIGGERS HARNESS (10042) (Prior to SN 0160065987)



WIRE	COLOR	WIRE GAGE/TYPE	WIRE TO/FROM
64	GREY/PURPLE	16 SXL	LF OUTR SW PIN 3 - LF OUTR SOL DWN PIN 1
63	BROWN/YELLOW	16 SXL	LF OUTR SW PIN 3 - LF OUTR SOL UP PIN 1
62	PURPLE/WHITE	16 SXL	RT OUTR SW PIN 1 - RT OUTR SOL DWN PIN 1
61	RED/GREY	16 SXL	RT OUTR SW PIN 1 - RT OUTR SOL UP PIN 1
60E	YELLOW/GREEN	16 SXL	OUTR MAIN PWR - SPLICE 60
60D	YELLOW/GREEN	16 SXL	LF OUTR SW PIN 8 - SPLICE 60
60C	YELLOW/GREEN	16 SXL	LF OUTR SW PIN 2 - SPLICE 60
60B	YELLOW/GREEN	16 SXL	RT OUTR SW PIN 8 - SPLICE 60
60A	YELLOW/GREEN	16 SXL	RT OUTR SW PIN 2 - SPLICE 60
20	BLACK	14 SXL	SPLICE 2 - CAB GND STUD
2G	BLACK	16 SXL	RT OUTR SOL UP PIN 2 - SPLICE 2
2F	BLACK	16 SXL	RT OUTR SOL DWN PIN 2 - SPLICE 2
2E	BLACK	16 SXL	LF OUTR SOL UP PIN 2 - SPLICE 2
2D	BLACK	16 SXL	LF OUTR SOL DWN PIN 2 - SPLICE 2
2B	BLACK	16 SXL	RT OUTR SW PIN 7 - SPLICE 2
2A	BLACK	16 SXL	LF OUTR SW PIN 7 - SPLICE 2

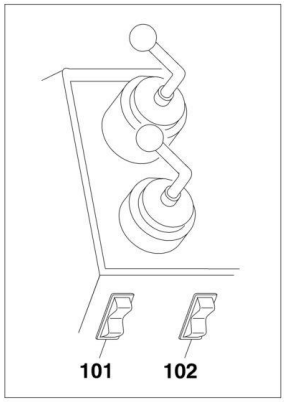


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FIGURE 10-13. OUTRIGGERS HARNESS (10042) (Prior to SN 0160065987)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7150723	1	OUTRIGGERS HARNESS (includes items 1 thru 6) **(Prior to SN 0160065987)**	G
1	8220904	2	ROCKER SWITCH CONNECTOR, FEMALE, 8 POSITION	
2	4460419	10	FEMALE METRI-PACK TERMINAL	
4	7116562	1	CONNECTOR, MALE	
5	70024259	1	TERMINAL, MALE, METRI-PACK	
6	70024265	4	CONNECTOR	
101	8223041	1	LEFT OUTRIGGER SWITCH	
102	8223042	1	RIGHT OUTRIGGER SWITCH	

FIGURE 10-14. OUTRIGGERS HARNESS (10042) (SN 0160065987 to Present)

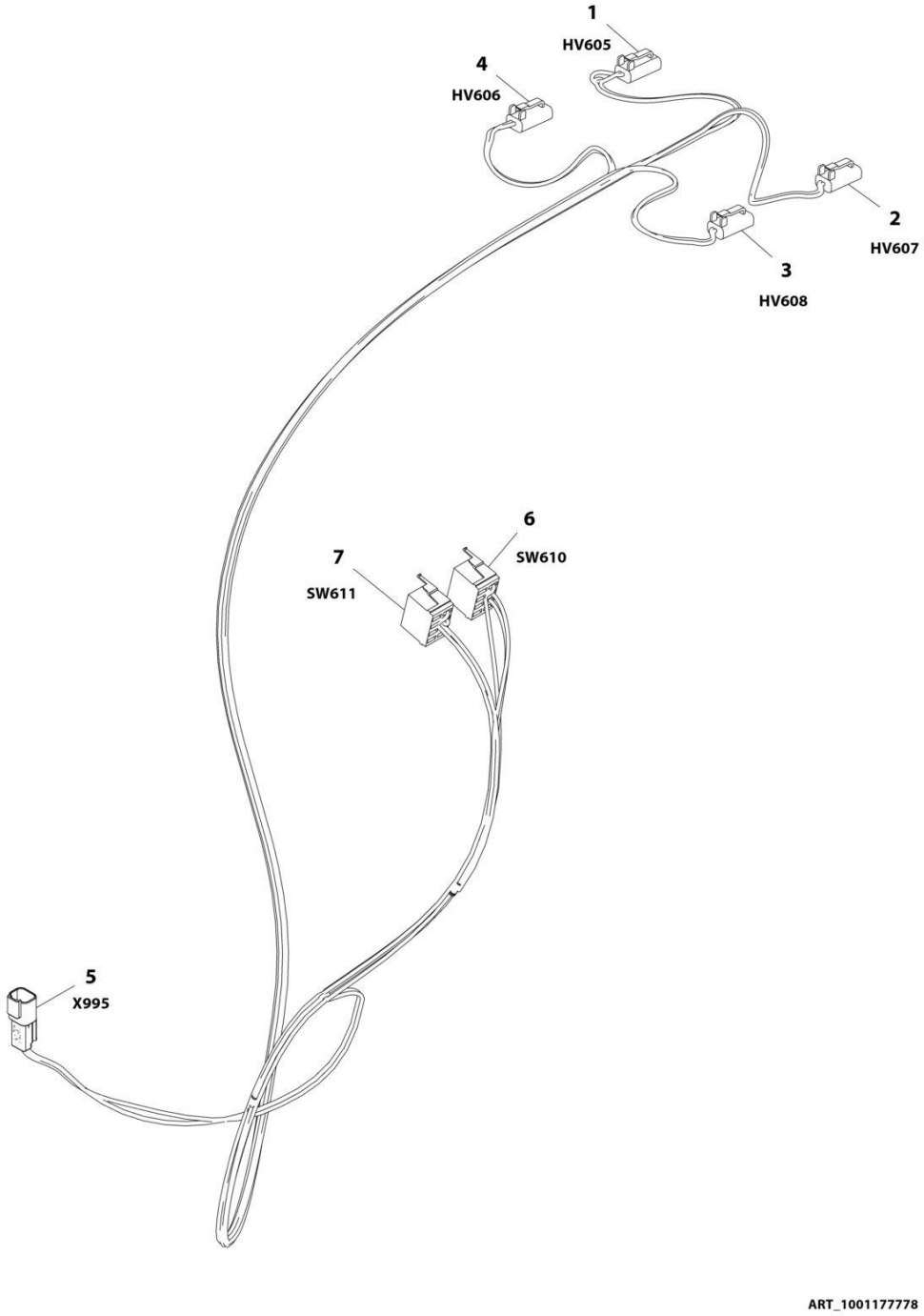


FIGURE 10-14. OUTRIGGERS HARNESS (10042) (SN 0160065987 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177778	Ref	OUTRIGGER HARNESS	D
1	4460891	1	CONNECTOR	
	80604018	1	LOCK, WEDGE	
	4460465	2	TERMINAL	
2	4460891	1	CONNECTOR	
	80604018	1	LOCK, WEDGE	
	4460465	2	TERMINAL	
3	4460891	1	CONNECTOR	
	80604018	1	LOCK, WEDGE	
	4460465	2	TERMINAL	
4	4460891	1	CONNECTOR	
	80604018	1	LOCK, WEDGE	
	4460465	2	TERMINAL	
5	4460897	1	CONNECTOR	
	80604017	1	LOCK, WEDGE	
	4460464	1	TERMINAL	
	4460941	1	TERMINAL	
6	8220904	1	CONNECTOR	
	4460419	5	TERMINAL	
7	8220904	1	CONNECTOR	
	4460419	5	TERMINAL	

FIGURE 10-15. GPS JUMPER HARNESS (10042)

WIRELIST FROM/TO INFORMATION				
WIRE NAME	SPOOL	GAGE	COLOR	FROM COMPONENT
40	GXL18BR_BK	18	BROWN/BLACK	ENG_BULK1_15F
41A	GXL18BL_W	18	BLUE/WHITE	ENG_BULK1_15F
47	SLX16O_W	16	ORANGE/WHITE	ENG_BULK1_15F
20	GXL12BK	12	BLACK	ENG_BULK1_15F
20A	GXL12BK	12	BLACK	SPLICE
20B	GXL12GY	12	GRAY	SPLICE
20C	GXL12BK	12	BLACK	SPLICE
158	GXL16W	16	WHITE	ENG_BULK1_15F
18	SXL16GR	16	GREEN	ENG_BULK1_15F
24	GXL16O_BK	16	ORANGE/BLACK	ENG_BULK1_15F
28	SXL16P_W	16	PURPLE/WHITE	ENG_BULK1_15F
35	SXL16BR_W	16	BROWN/WHITE	ENG_BULK1_15F
38	SXL16O	16	ORANGE	ENG_BULK1_15F
38A	SXL16O	16	ORANGE	SPLICE
38B	GX316W	16	WHITE	SPLICE
6	SXL16Y	16	YELLOW	ENG_BULK1_15F
8	SXL16LG_W	16	LIGHT GREEN/WHITE	ENG_BULK1_15F
9	SXL16LG_BK	16	LIGHT GREEN/BLACK	ENG_BULK1_15F
10	SXL16T	16	TAN	ENG_BULK1_15F
16	SXL16BR	16	BROWN	ENG_BULK1_15F
160	GXL12R	12	RED	ENG_BULK3_1F
160A	GXL12R	12	RED	SPLICE
160B	GXL12Y	12	YELLOW	SPLICE

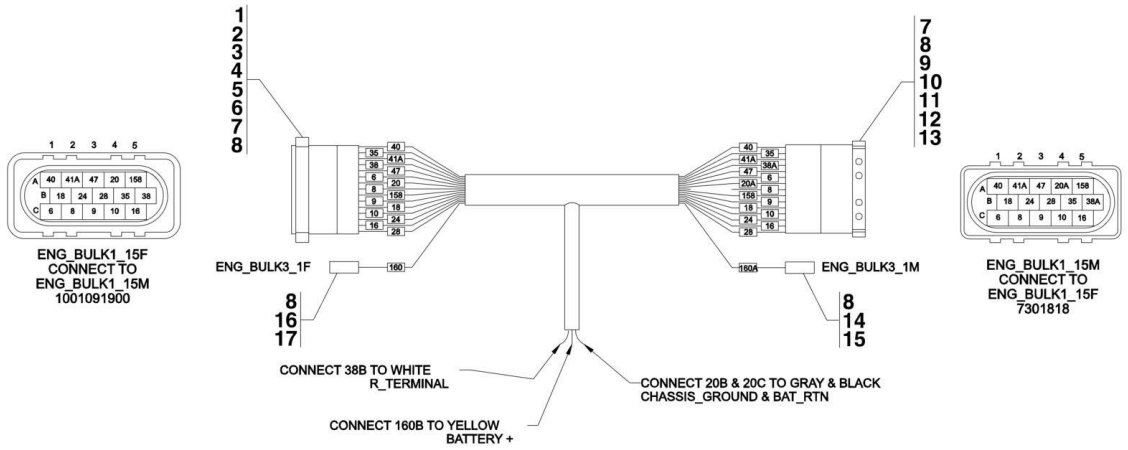
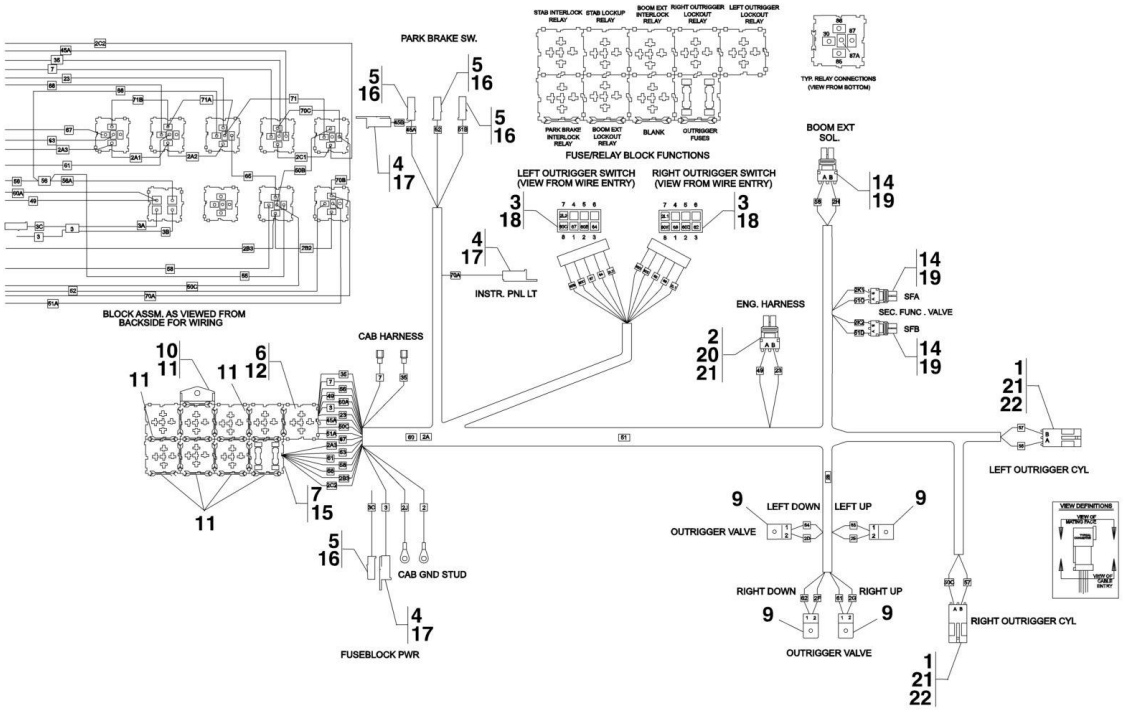


FIGURE 10-15. GPS JUMPER HARNESS (10042)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001102448	1	GPS JUMPER HARNESS (includes all items)	A
1	8220927	1	CONNECTOR	
2	8220928	1	TPA	
3	8220931	1	CONNECTOR SEAL	
4	8220932	1	SLIDE LOCK	
5	8220084	1	TERMINAL	
6	8220086	14	TERMINAL	
7	8220081	27	CABLE SEAL	
8	8220089	4	CABLE SEAL	
9	8220929	1	CONNECTOR	
10	8220930	1	TPA	
11	8220161	1	TERMINAL	
12	8220123	1	CABLE SEAL	
13	8220087	14	TERMINAL	
14	80963056	1	CONNECTOR	
15	4460850	1	TERMINAL	
16	80963055	1	CONNECTOR	
17	4460790	1	TERMINAL	

FIGURE 10-16. LOGIC HARNESS (10054)



WIRE NO.	COLOR	WIRE GA.	WIRE TO/FROM
71B	ORANGE/WHT	16	RT OUTR LO RELAY PIN 86 - LF OUTR LO RELAY PIN 86
71A	ORANGE/WHT	16	RT OUTR LO RELAY PIN 86 - BOOM EXT IL RELAY PIN 87A
71	ORANGE/WHT	16	STAB IL RELAY PIN 30 - BOOM EXT IL RELAY PIN 87A
70C	ORANGE/BLK	16	STAB IL RELAY PIN 87 - STAB LU RELAY PIN 86
70B	ORANGE/BLK	16	PBRK IL RELAY PIN 86 - STAB IL RELAY PIN 87
70A	ORANGE/BLK	16	PBRK IL RELAY PIN 86 - INSTR PNL LT TAIL
68	RED/BLK	16	RT OUTR LO RELAY PIN 30 - RT OUTR SW PIN 1
67	BRN/BLK	16	LF OUTR LO RELAY PIN 30 - LF OUTR SW PIN 1
66	ORANGE/GRY	16	SPLICE 56 - BOOM EXT LO RELAY PIN 30
65	DK BLUE	16	BOOM EXT IL RELAY PIN 87 - BOOM EXT LO RELAY PIN 86
64	GRY/PUR	16	LF OUTR SW PIN 3 - OUTR SOL LF DN PIN 1
63	BRN/YEL	16	LF OUTR LO RELAY PIN 87A - OUTR SOL LF UP PIN 1
62	PUR/WHT	16	RT OUTR SW PIN 3 - OUTR SOL RT DN PIN 1
61	RED/GRY	16	RT OUTR RELAY PIN 87A - OUTR SOL RT UP PIN 1
60E	YEL/GRN	16	SPLICE 60 - RT OUTR SW PIN 8
60D	YEL/GRN	16	SPLICE 60 - RT OUTR SW PIN 2
60C	YEL/GRN	16	SPLICE 60 - LF OUTR SW PIN 8
60B	YEL/GRN	16	SPLICE 60 - LF OUTR SW PIN 2
60A	YEL/GRN	16	SPLICE 60 - OUTRIG FUSE 1
58	GREEN	18	BOOM EXT LO RELAY PIN 30 - BOOM EXT SOL PIN A
57	GRY/ORG	16	RT OUTR CYL PIN B - LF OUTR CYL PIN B
56A	GRY/BL	16	SPLICE 56 - OUTRIG FUSE 2
56	GRY/BLU	16	SPLICE 56 - LF OUTR CYL PIN A
55	ORANGE/RED	16	BOOM EXT LO RELAY PIN 87 - SPLICE 56
52	DBL/RED	16	PBRK IL RELAY PIN 30 - PBRK SW TAIL
51D	BLUE/WHITE	18	SPLICE 51 - SEC FUNC SOL B PIN A
51C	BLUE/WHITE	18	SPLICE 51 - SEC FUNC SOL A PIN A
51B	BLUE/WHITE	16	SPLICE 51 - PB SW TAIL
51A	BLUE/WHITE	16	SPLICE 51 - PBRK IL RELAY PIN 87A

WIRE NO.	COLOR	WIRE GA.	WIRE TO/FROM
50C	RED/WHT	16	BOOM EXT LO RELAY PIN 87A - RT OUTR CYL PIN A
50B	RED/WHT	16	BOOM EXT LO RELAY PIN 87A - STAB IL RELAY PIN 86
49	RED/BLUE	16	OUTR FUSE 1 - ENG HARNESS PIN A
45B	DBL/ORG	16	PB SW TAIL 45A - PB SW TAIL
45A	DBL/ORG	16	STAB LU RELAY PIN 87 - PB SW TAIL
35	BROWN/GREEN	16	STAB LU RELAY PIN 87A - CAB HARNESS TERM
23	ORANGE/GREEN	16	BOOM EXT IL RELAY PIN 86 - ENG HARNESS PIN B
7	TAN	16	STAB LU RELAY PIN 30 - CAB HARNESS TERM
3C	RED	14	FUSEBLOCK PWR TAIL - SPLICE 3
3B	RED	14	OUTRIG FUSE 2 - SPLICE 3
3A	RED	14	OUTRIG FUSE 1 - SPLICE 3
3	RED	14	FUSEBLOCK PWR TAIL - SPLICE 3
2L2	BLACK	16	SPLICE 2A - LF OUTR SW PIN 7
2L1	BLACK	16	SPLICE 2A - RT OUTR SW PIN 7
2K2	BLACK	18	SPLICE 2B - SEC FUNC SOL B PIN B
2K1	BLACK	18	SPLICE 2B - SEC FUNC SOL A PIN B
2J	BLACK	14	SPLICE 2B - CAB GND STUD
2H	BLACK	18	SPLICE 2B - BOOM EXT SOL PIN B
2G	BLACK	16	SPLICE 2B - OUTR SOL RT UP PIN 2
2F	BLACK	16	SPLICE 2B - OUTR SOL RT DWN PIN 2
2E	BLACK	16	SPLICE 2B - OUTR SOL LF UP PIN 2
2D	BLACK	16	SPLICE 2B - OUTR SOL LF DWN PIN 2
2C2	BLACK	16	SPLICE 2A - STAB IL RELAY PIN 85
2C1	BLACK	16	STAB LU RELAY PIN 85 - STAB IL RELAY PIN 85
2B3	BLACK	16	BOOM EXT LO RELAY PIN 85 - SPLICE 2A
2B2	BLACK	16	BOOM EXT LO RELAY PIN 85 - PBRK IL RELAY PIN 85
2A3	BLACK	16	LF OUTR RELAY PIN 85 - SPLICE 2A
2A2	BLACK	16	RT OUTR RELAY PIN 85 - BOOM EXT IL RELAY PIN 85
2A1	BLACK	16	LF OUTR RELAY PIN 85 - RT OUTR RELAY PIN 85
2	BLACK	14	SPLICE 2A - CAB GND STUD

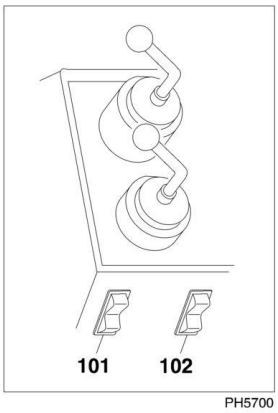


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FIGURE 10-16. LOGIC HARNESS (10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7150722	1	LOGIC HARNESS (includes items 1 thru 22) **(Prior to SN 0160065987)**	K
1	4461157	2	RECEPTACLE, WEATHER-PACK SEALED CONNECTOR, 2 POSITION	
2	4460742	1	PLUG, WEATHER-PACK SEALED CONNECTOR, 2 POSITION	
3	7026439	2	CONNECTOR	
4	7116562	3	CONNECTOR, MALE	
5	77383282	4	CONNECTOR, FEMALE	
6	4461101	8	RELAY MODULE	
7	70024248	1	2 FUSE MODULE	
9	70024265	4	CONNECTOR	
10	70023111	1	MOUNTING LEG KIT, (includes 4 mounting legs and 4 wedges)	
11	4461103	16	LOCKING WEDGE	
12	4461102	28	SECONDARY LOCK	
14	4460955	3	METRI-PACK SEALED CONNECTOR	
15	70024252	4	SECONDARY LOCK	
16	1001116736	4	UNSEALED FEMALE TERMINAL	
17	70024259	3	TERMINAL, MALE, METRI-PACK	
18	4460419	10	METRI-PACK FEMALE TERMINAL	
19	1001116748	6	METRI-PACK FEMALE TERMINAL	
20	4460457	2	WEATHER-PACK FEMALE SLEEVE TERMINAL	
21	8220081	6	CABLE SEAL WEATHER/METRI-PACK	
22	4460475	4	WEATHER-PACK MALE PIN TERMINAL	
101		Ref	LEFT OUTRIGGER SWITCH, (See OUTRIGGERS HARNESS for Breakdown)	
102		Ref	RIGHT OUTRIGGER SWITCH, (See OUTRIGGERS HARNESS for Breakdown)	

FIGURE 10-17. LOGIC HARNESS (10054) (SN 0160065987 to Present)

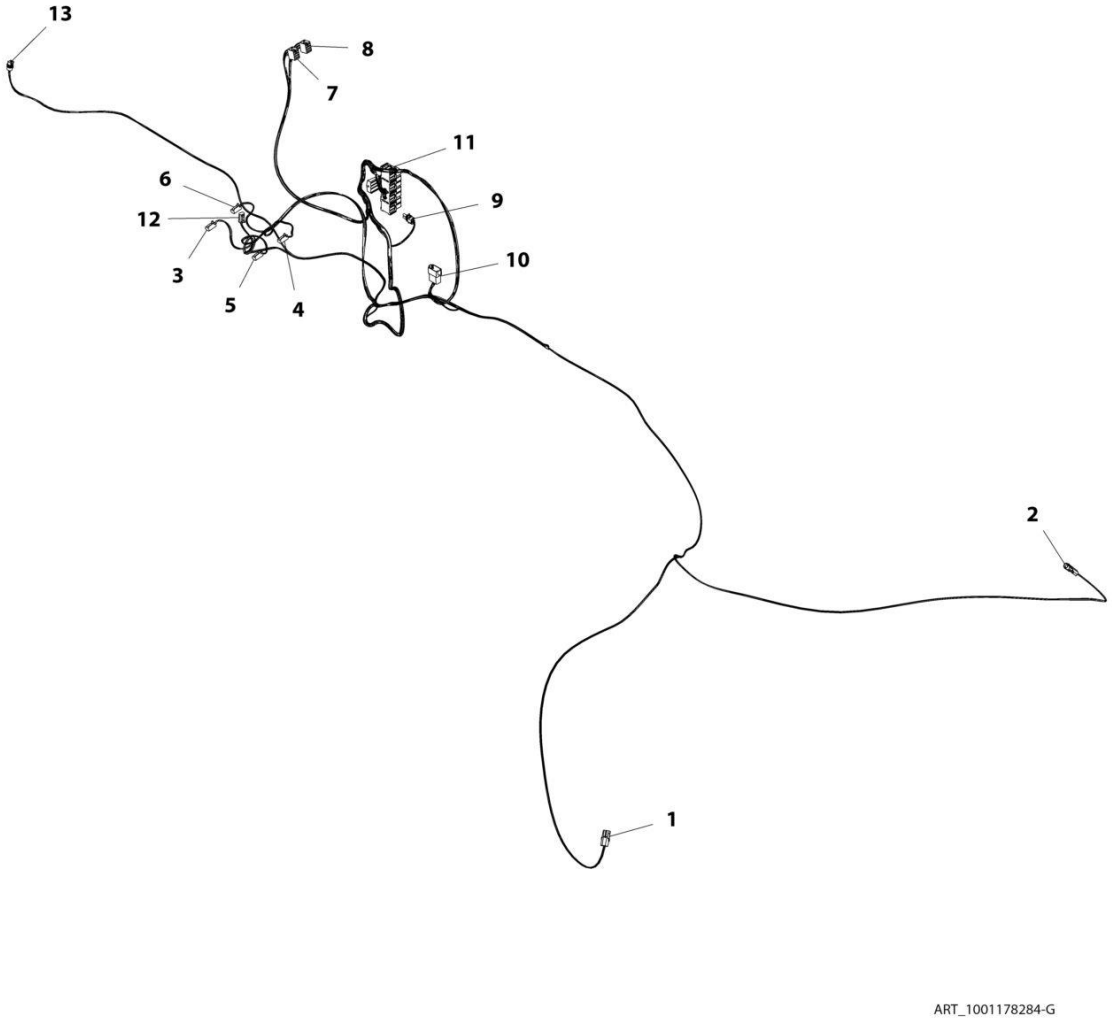

FIGURE 10-17. LOGIC HARNESS (10054) (SN 0160065987 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178284	Ref	LOGIC HARNESS	G
1	4461157	1	CONNECTOR	
	4460475	2	TERMINAL	
2	4461157	1	CONNECTOR	
	4460475	2	TERMINAL	
3	4460891	1	CONNECTOR	
	80604018	1	LOCK, WEDGE	
	4460465	2	TERMINAL	
4	4460891	1	CONNECTOR	
	80604018	1	LOCK, WEDGE	
	4460465	2	TERMINAL	
5	4460891	1	CONNECTOR	
	80604018	1	LOCK, WEDGE	
	4460465	2	TERMINAL	
6	4460891	1	CONNECTOR	
	80604018	1	LOCK, WEDGE	
	4460465	2	TERMINAL	
7	8220904	1	CONNECTOR	
	1001116720	3	TERMINAL	
8	8220904	1	CONNECTOR	
	1001116720	3	TERMINAL	
9	4460742	1	CONNECTOR	
	4460457	2	TERMINAL	
10	4460970	1	CONNECTOR	
	80363179	1	LOCK, WEDGE	
	4460464	5	TERMINAL	
	4460941	3	TERMINAL	
	4460466	4	PLUG	
11	1001200845	1	LEG, MOUNTING	
	8229243	2	FUSE, TYPE 7.5 A	
	1001205172	7	RELAY, MICRO 280, 12V, 35 AMP	
	1001177198	4	MODULE, 2 FUSE	
	4461103	8	RELAY	
	1001116712	19	TERMINAL	
	1001116711	1	TERMINAL	
	1001116710	24	TERMINAL	
12	4460891	1	CONNECTOR	
	4460465	2	TERMINAL	
13	4460955	1	CONNECTOR	
	1001116748	2	TERMINAL	

FIGURE 10-18. BOOM EXTEND HARNESS (10054)

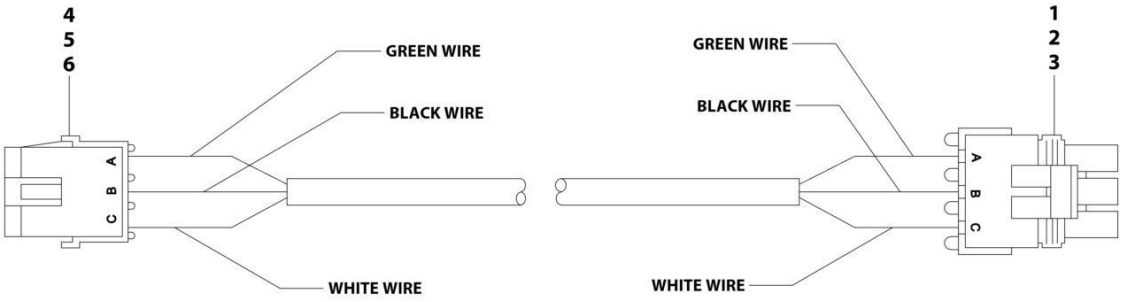

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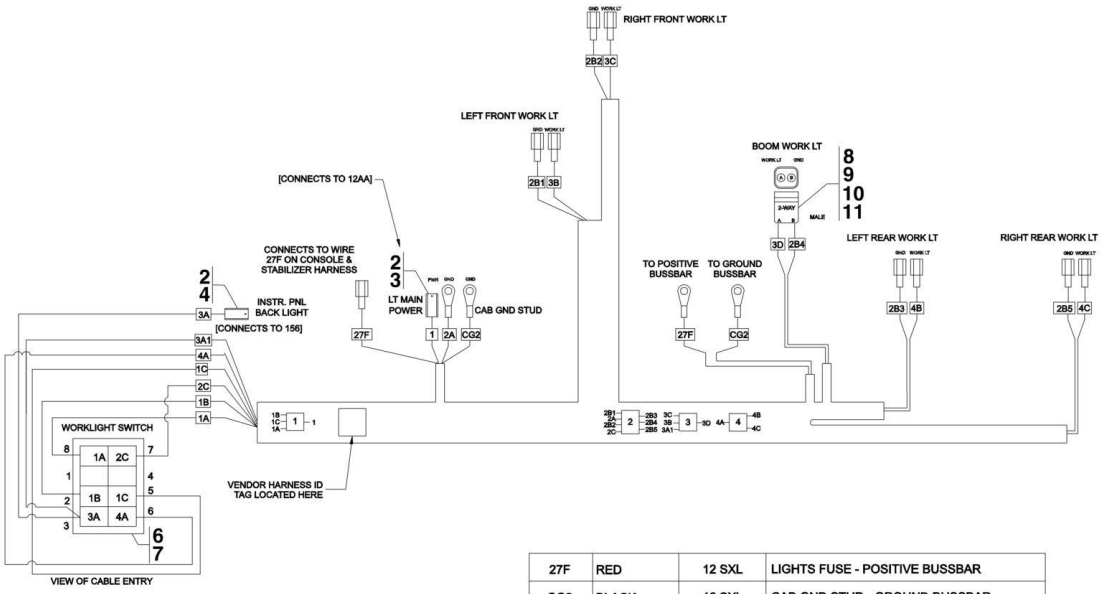
FIGURE 10-18. BOOM EXTEND HARNESS (10054)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001127226	1	BOOM EXTEND HARNESS (includes all items)	C
1	4460459	1	CONNECTOR	
2	4460457	3	TERMINAL	
3	4460458	3	SEAL	
4	4460476	1	CONNECTOR	
5	4460475	3	TERMINAL	
6	4460458	3	SEAL	

FIGURE 10-19. WORK LIGHTING HARNESS



27F	RED	12 SXL	LIGHTS FUSE - POSITIVE BUSSBAR
CG2	BLACK	12 SXL	CAB GND STUD - GROUND BUSSBAR
4C	YELLOW	14 SXL	RR WORK LT PWR - SPLICE 4
4B	YELLOW	14 SXL	LR WORK LT PWR - SPLICE 4
4A	YELLOW	14 SXL	WORKLIGHT SW PIN 6 - SPLICE 4
3D	LT. BLUE	14 SXL	SPLICE 3 - BOOM WK LT CONN PIN A
3C	LT. BLUE	14 SXL	SPLICE 3 - RF WRK LT PWR
3B	LT. BLUE	14 SXL	SPLICE 3 - LF WRK LT PWR
3A1	LT. BLUE	14 SXL	SPLICE 3 - WORKLIGHT SW PIN 3
3A	LT. BLUE	14 SXL	INSTR. PNL BACKLT - WORKLIGHT SW PIN 3
2C	BLACK	14 SXL	SPLICE 2 - WORKLIGHT SW PIN 7
2B5	BLACK	14 SXL	SPLICE 2 - RR WRK LT GND
2B4	BLACK	14 SXL	SPLICE 2 - BOOM WK CONN PIN B
2B3	BLACK	14 SXL	SPLICE 2 - LR WRK LT GND
2B2	BLACK	14 SXL	SPLICE 2 - RF WRK LT GND
2B1	BLACK	14 SXL	SPLICE 2 - LF WRK LT GND
2A	BLACK	12 SXL	SPLICE 2 - CAB GND STUD
1C	RED	14 SXL	SPLICE 1 - WORKLIGHT SW PIN 5
1B	RED	14 SXL	SPLICE 1 - WORKLIGHT SW PIN 2
1A	RED	14 SXL	SPLICE 1 - WORKLIGHT SW PIN 8
1	RED	12 SXL	SPLICE 1 - LT MAIN POWER
WIRE	COLOR	WIRE GAGE/TYPE	WIRE TO/FROM

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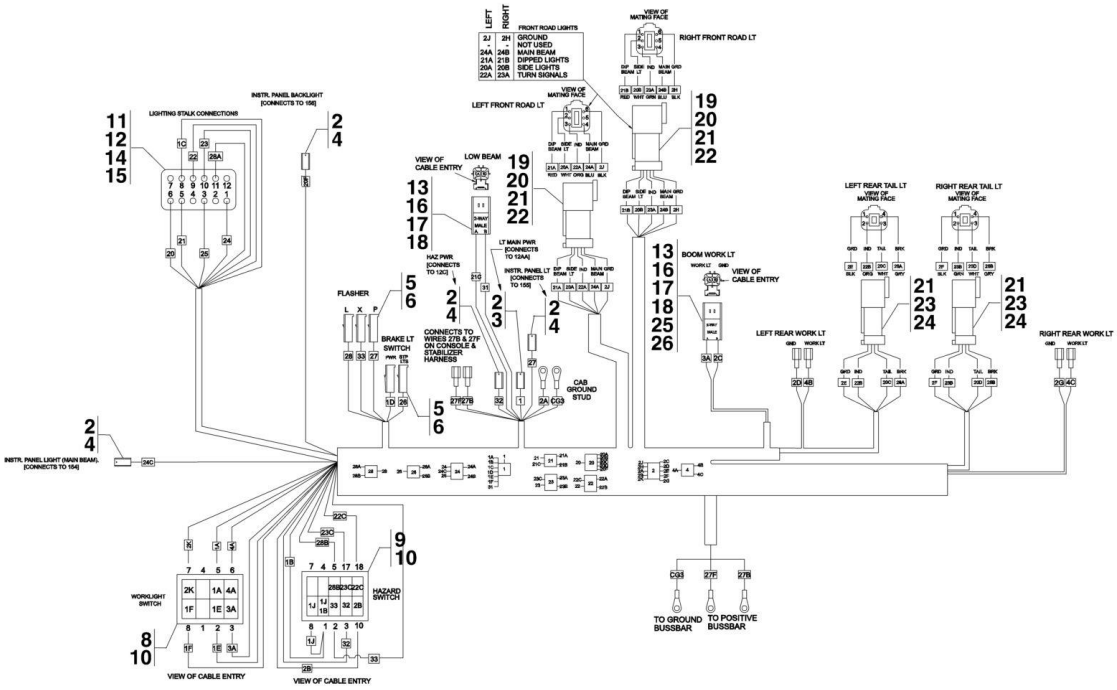
FIGURE 10-19. WORK LIGHTING HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7150707	1	WORK LIGHTING HARNESS, (includes all items)	I
2	8220971	2	CONNECTOR	
3	1001116737	1	TERMINAL, FEMALE, UNSEALED	
4	70024259	1	TERMINAL, MALE, METRI-PACK	
6	7026439	1	CONNECTOR	
7	4460419	6	METRI-PACK, TERMINAL, FEMALE	
8	1001117026	1	METRI-PACK SEALED CONNECTOR, 2 POSITION	
9	8220890	1	SECONDARY LOCK	
10	8220081	2	CABLE SEAL, WEATHER/METRI-PACK	
11	1001116729	2	TERMINAL, MALE, METRI-PACK	

FIGURE 10-20. ROAD LIGHTING HARNESS



WIRE	COLOR	WIRE GAGE/TYPE	WIRE TO/FROM
3A	LT. BLUE	14 SXL	BOOM WK LT CONN PIN A - WORKLIGHT SW PIN 3
2K	BLACK	16 SXL	SPLICE 2 - WORKLIGHT SW PIN 7
2J	BLACK	16 SXL	SPLICE 2 - LF ROAD LT CONN PIN 6
2H	BLACK	16 SXL	SPLICE 2 - RF ROAD LT CONN PIN 6
2G	BLACK	16 SXL	SPLICE 2 - RR WK LT GND
2F	BLACK	16 SXL	SPLICE 2 - RR TAIL LT CONN PIN 1
2E	BLACK	16 SXL	SPLICE 2 - LR TAIL LT CONN PIN 1
2D	BLACK	16 SXL	SPLICE 2 - LR WRK LT GND
2C	BLACK	16 SXL	SPLICE 2 - BOOM WK LT CONN PIN B
2B	BLACK	16 SXL	SPLICE 2 - HAZ SW PIN 10
2A	BLACK	12 SXL	SPLICE 2 - CAB GND STUD
1J	RED	14 SXL	HAZ SW TERM 1 - HAZ SW PIN 8
1F	RED	14 SXL	SPLICE 1 - WORKLIGHT SW PIN 8
1E	RED	14 SXL	SPLICE 1 - WORKLIGHT SW PIN 2
1D	RED	14 SXL	SPLICE 1 - BRK LT SW PWR
1C	RED	14 SXL	SPLICE 1 - LSTALK 3W CONN PIN C
1B	RED	14 SXL	SPLICE 1 - HAZ SW PIN 1
1A	RED	14 SXL	SPLICE 1 - WORKLIGHT SW PIN 5
1	RED	12 SXL	SPLICE 1 - LT MAIN POWER

WIRE	COLOR	WIRE GAGE/TYPE	WIRE TO/FROM
22C	ORANGE	16 SXL	SPLICE 22 - HAZ SW PIN 18
22B	ORANGE	16 SXL	SPLICE 22 - LR ROADLT CONN PIN 2
22A	ORANGE	16 SXL	SPLICE 22 - LF ROADLT CONN PIN 3
22	ORANGE	16 SXL	SPLICE 22 - LSTALK 6W CONN PIN E
21C	RED	16 SXL	SPLICE 21 - LOWBEAM CONN PIN A
21B	RED	16 SXL	SPLICE 21 - RF ROADLT CONN PIN 1
21A	RED	16 SXL	SPLICE 21 - LF ROADLT CONN PIN 1
21	RED	16 SXL	SPLICE 21 - LSTALK 3W CONN PIN B
20F	WHITE	16 SXL	SPLICE 20 - INSTR. PNL BACKLIGHT
20D	WHITE	16 SXL	SPLICE 20 - RR TAIL LT CONN PIN 3
20C	WHITE	16 SXL	SPLICE 20 - LR TAIL LT CONN PIN 3
20B	WHITE	16 SXL	SPLICE 20 - RF ROADLT CONN PIN 2
20A	WHITE	16 SXL	SPLICE 20 - LF ROADLT CONN PIN 2
20	WHITE	16 SXL	SPLICE 20 - LSTALK 3W CONN PIN A
4C	YELLOW	14 SXL	RR WORK LT PWR - SPLICE 4
4B	YELLOW	14 SXL	LR WORK LT PWR - SPLICE 4
4A	YELLOW	14 SXL	WORKLIGHT SW PIN 6 - SPLICE 4

WIRE	COLOR	WIRE GAGE/TYPE	WIRE TO/FROM
CG3	BLACK	12 SXL	CAB GND STUD - GND BUSSBAR
33	PURPLE	16 SXL	FLASHER X TERM - HAZ SW CONN PIN 2
32	GREEN	14 SXL	HAZ PWR - HAZ SW CONN PIN 3
31	YELLOW	16 SXL	LOWBEAM CONN PIN B - SPLICE 1
28B	PURPLE	16 SXL	SPLICE 28 - HAZ SW CONN TERM 5
28A	PURPLE	16 SXL	SPLICE 28 - LSTALK 6W CONN PIN F
28	PURPLE	16 SXL	SPLICE 28 - FLASHER L TERM
27F	RED	12 SXL	LIGHTS FUSE - POSITIVE BUSSBAR
27B	RED	12 SXL	HDLTS FUSE - POSITIVE BUSSBAR
27	PURPLE/WHITE	16 SXL	FLASHER P TERM - INSTR. PNL TURN SIGNAL
26B	GREY	16 SXL	SPLICE 26 - RR TAIL LT CONN PIN 4
26A	GREY	16 SXL	SPLICE 26 - LR TAIL LT CONN PIN 4
26	GREY	16 SXL	SPLICE 26 - BRAKE LT SW STP LTS
25	PINK	16 SXL	SPLICE 24 - LSTALK 6W CONN PIN B
24C	DARK BLUE	16 SXL	SPLICE 24 - INSTR. PNL MAIN BEAM
24B	DARK BLUE	16 SXL	SPLICE 24 - RF ROADLT CONN PIN 4
24A	DARK BLUE	16 SXL	SPLICE 24 - LF ROADLT CONN PIN 4
24	DARK BLUE	16 SXL	SPLICE 24 - LSTALK 6W CONN PIN A
23C	GREEN	16 SXL	SPLICE 23 - HAZ SW PIN 17
23B	GREEN	16 SXL	SPLICE 23 - RR TAIL LT CONN PIN 2
23A	GREEN	16 SXL	SPLICE 23 - RF ROADLT CONN PIN 3
23	GREEN	16 SXL	SPLICE 23 - LSTALK 6W CONN PIN D

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FIGURE 10-20. ROAD LIGHTING HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7150741	1	ROAD LIGHTING HARNESS, (includes all items)	J
2	8220971	5	CONNECTOR	
3	1001116737	1	UNSEALED TERMINAL, FEMALE	
4	70024259	4	TERMINAL, MALE, METRI-PACK	
5	8220970	5	CONNECTOR	
6	1001116736	5	UNSEALED TERMINAL	
8	7026439	1	CONNECTOR	
9	1001117079	1	CONNECTOR	
10	4460419	14	METRI-PACK TERMINAL	
11	4460933	1	CONNECTOR PLUG	
12	4460465	8	SOCKET CONNECTOR	
13	8220081	3	SEAL	
14	80604016	1	WEDGE LOCK	
15	4460466	4	SEALING PLUG TERMINAL	
16	1001117026	2	METRI-PACK SEALED CONNECTOR	
17	8220890	2	SECONDARY LOCK	
18	1001116745	3	METRI-PACK TERMINAL	
19	4460894	2	PLUG CONNECTOR	
20	80604023	2	WEDGE LOCK	
21	70020888	18	TERMINAL SOCKET	
22	4460466	2	SEALING PLUG TERMINAL	
23	4460884	2	PLUG CONNECTOR	
24	80604021	2	WEDGE LOCK	
25	8220089	1	SEAL	
26	1001116729	1	METRI-PACK TERMINAL	

FIGURE 10-21. REVERSE SENSING SYSTEM INSTALLATION

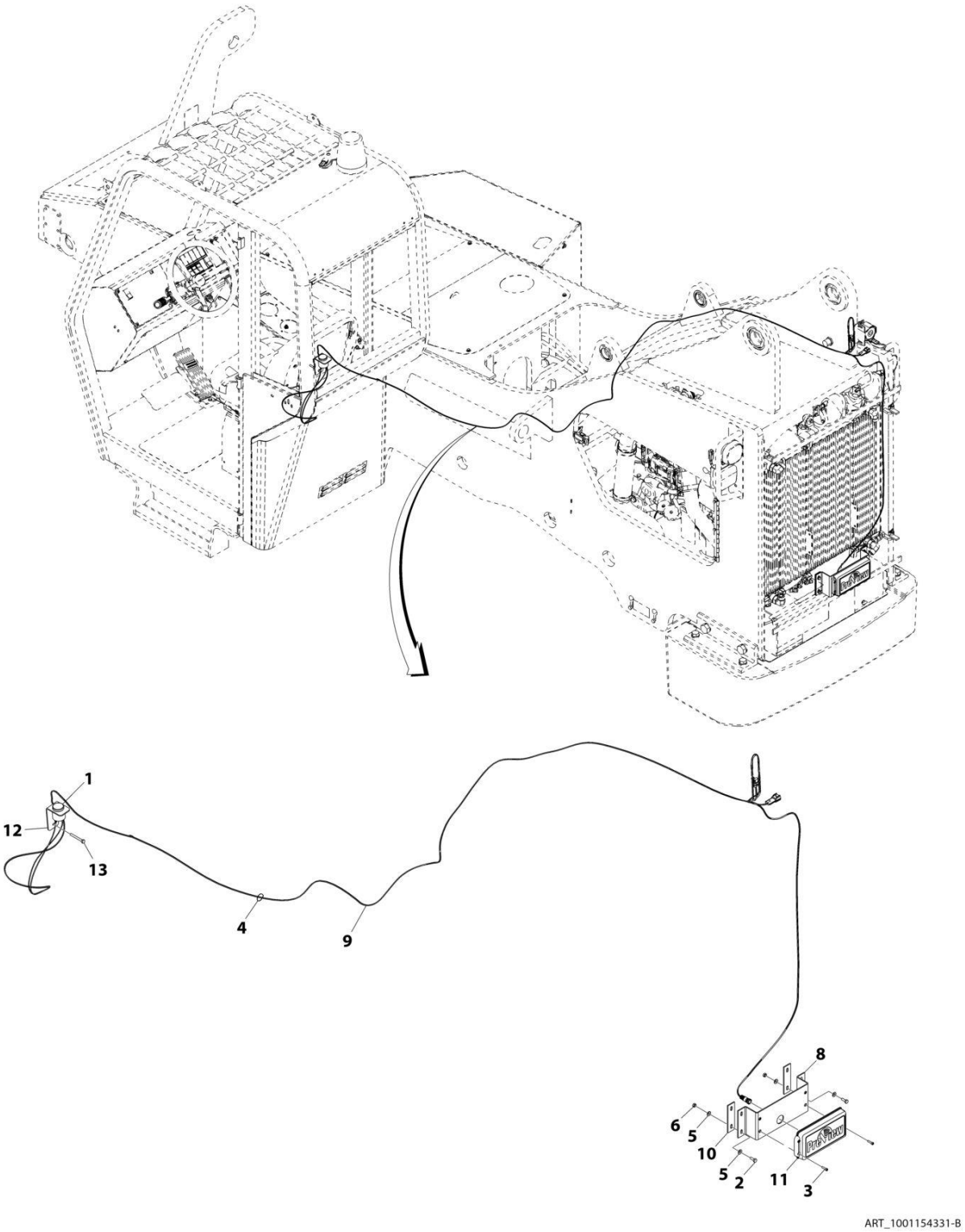

FIGURE 10-21. REVERSE SENSING SYSTEM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154331	1	REVERSE SENSING SYSTEM INSTALLATION (includes all items)	B
1	0140011	1	ALARM	
2	0641406	4	HEX HD CAPSCREW, 1/4-20X3/4	
3	3931012	4	SOCKET HD CAPSCREW, 10-24X3/4	
4	4240033	AR	WIRE TIE	
5	4711400	8	WASHER, 1/4	
6	8305004	4	HEX NUT, 1/4-20	
8	1001154375	1	BRACKET	
9	1001159876	1	REVERSE SENSOR HARNESS (See Separate Breakdown in this section)	
10	1001161023	2	PLATE	
11	1001182358	1	REVERSE SENSOR CONTROL	
12	1001182863	1	ALARM BRACKET	
13	0641418	1	HEX HD CAPSCREW, 1/4-20X2-3/4, GR5	

FIGURE 10-22. REVERSE SENSOR HARNESS

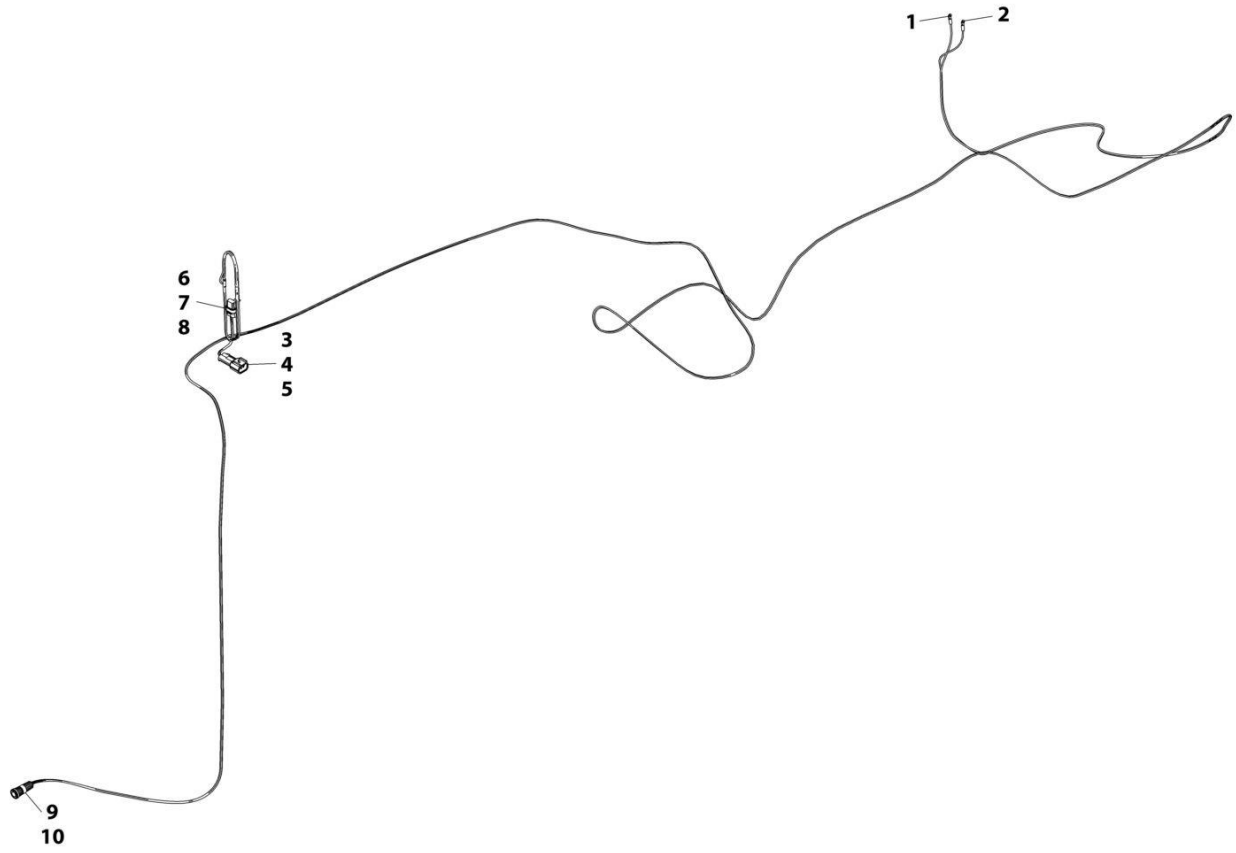

FIGURE 10-22. REVERSE SENSOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159876	1	REVERSE SENSOR HARNESS, (includes all items)	B
1	1001098122	1	RING TERMINAL	
2	1001098122	1	RING TERMINAL	
3	1001117026	1	CONNECTOR	
4	1001116745	2	TERMINAL	
5	4460458	2	SEAL	
6	1001117021	1	CONNECTOR	
7	1001116728	2	TERMINAL	
8	4460458	2	SEAL	
9	1001175733	1	CONNECTOR	
10	N.S.S.	3	PLUG	

FIGURE 10-23. TELEMATICS INSTALLATION, UNITED RENTALS

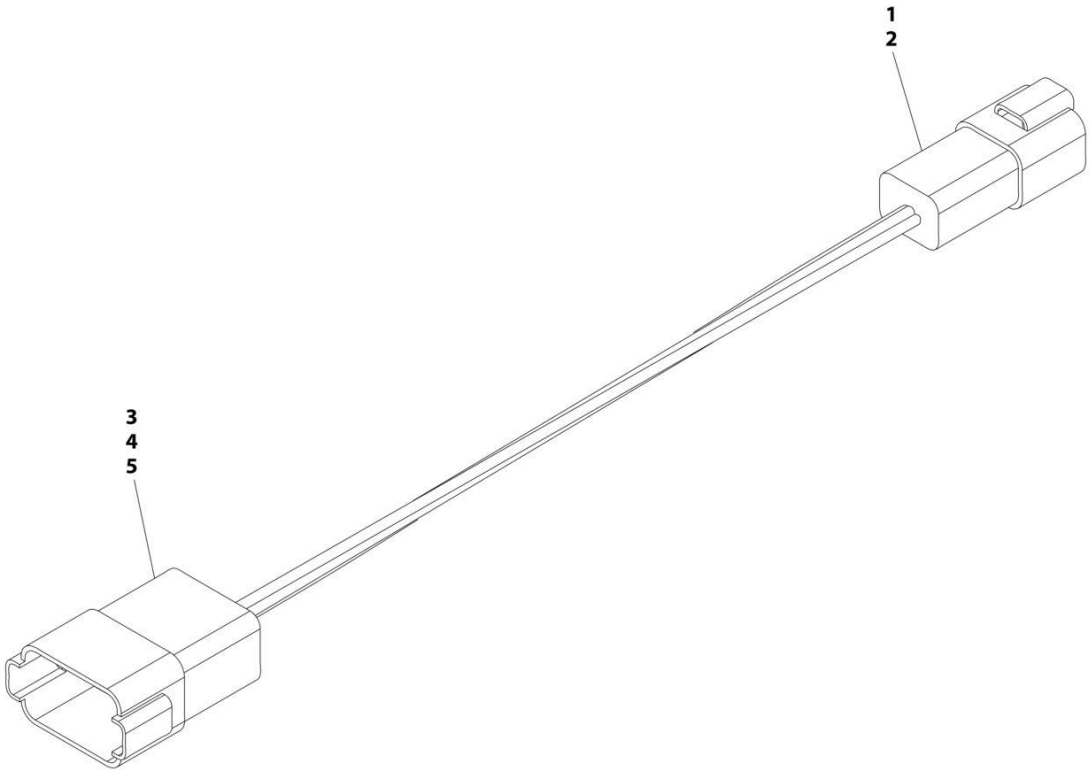

FIGURE 10-23. TELEMATICS INSTALLATION, UNITED RENTALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195423	1	TELEMATICS INSTALLATION, UNITED RENTAL	B
1	4460932	1	CONNECTOR	
2	4460464	4	TERMINAL	
3	4460931	1	CONNECTOR	
4	4460464	4	TERMINAL	
5	4460466	4	PLUG	

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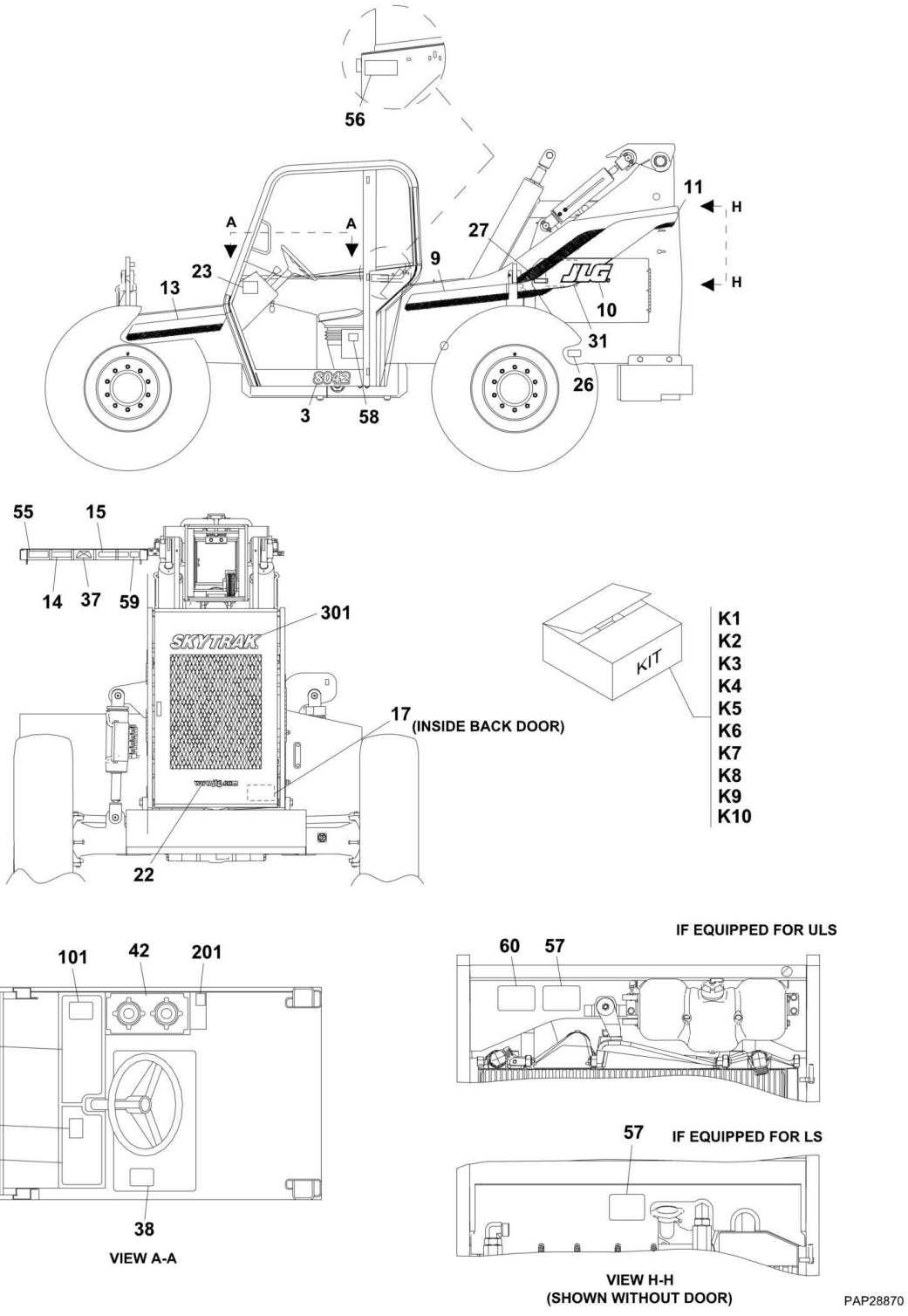
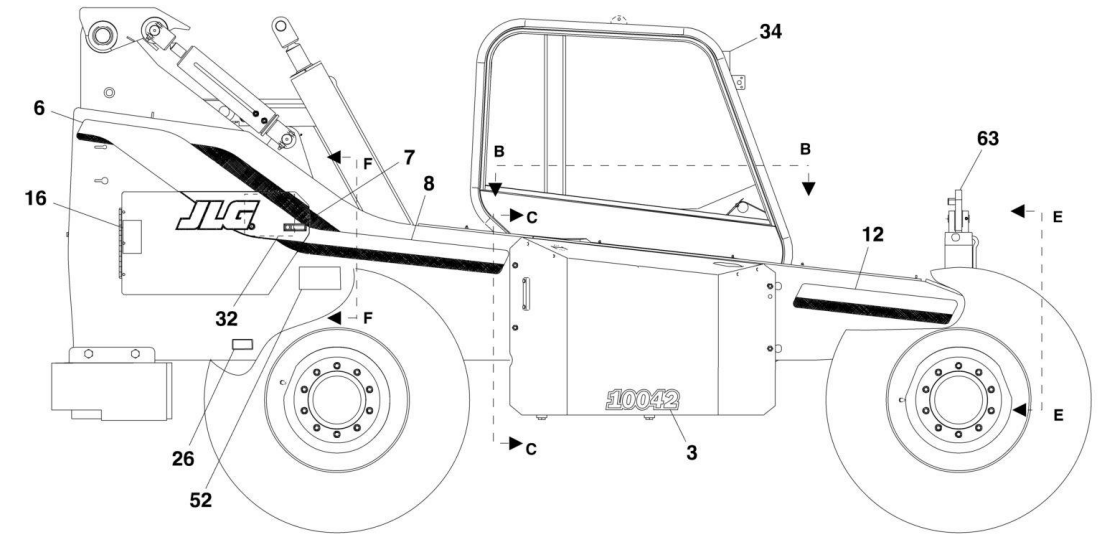
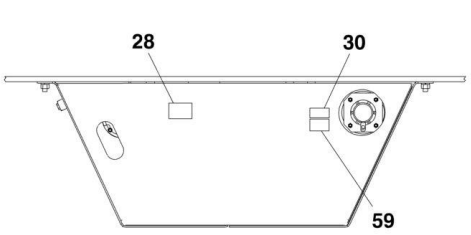
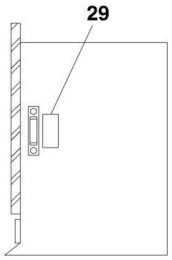
FIGURE 11-1. CAB AND FRAME DECALS



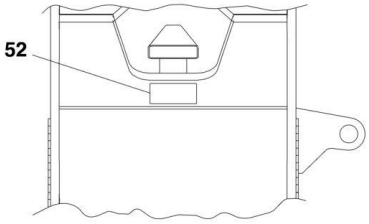




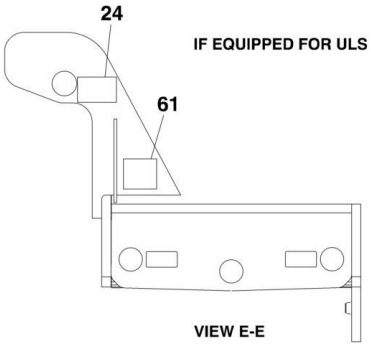
VIEW B-B



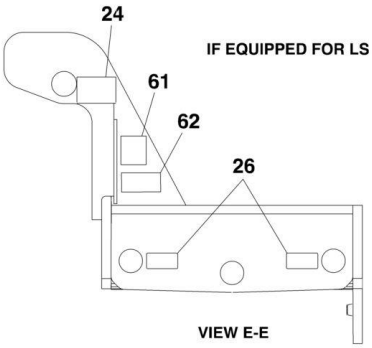
VIEW C-C



VIEW F-F



VIEW E-E



VIEW E-E

ART_PAP26300-B

SECTION 11 - DECALS

FIGURE 11-1. CAB AND FRAME DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001125360	Ref	DECAL INSTALLATION (ANSI), (not available to order, see items 3 thru 61 & 63 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (8042)	F
	1001125361	Ref	DECAL INSTALLATION (ISO), (if equipped for ULS), (not available to order, see items 3 thru 61 & 63 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (8042)	F
	1001142440	Ref	DECAL INSTALLATION (ISO), (if equipped for LS), (not available to order, see items 3 thru 58 & 61,62 & 63 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (8042)	E
	1001125362	Ref	DECAL INSTALLATION (ANSI), (not available to order, see items 3 thru 61 & 63 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (10042)	F
	1001125363	Ref	DECAL INSTALLATION (ISO), (if equipped for ULS), (not available to order, see items 3 thru 61 & 63 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (10042)	F
	1001142410	Ref	DECAL INSTALLATION (ISO), (if equipped for LS), (not available to order, see items 3 thru 58 & 61,62 & 63 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (10042)	E
	1001125364	Ref	DECAL INSTALLATION (ANSI), (not available to order, see items 3 thru 61 & 63 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (10054)	F
	1001125365	Ref	DECAL INSTALLATION (ISO), (if equipped for ULS), (not available to order, see items 3 thru 61 & 63 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (10054)	F
	1001142409	Ref	DECAL INSTALLATION (ISO), (if equipped for LS), (not available to order, see items 3 thru 58 & 61,62 & 63 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (10054)	E
	1001163654	Ref	DECAL INSTALLATION, (ENGLISH\FRENCH) (not available to order, see items 3 thru 42 and 44 thru 61 & 63 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (8042)	B
	1001163657	Ref	DECAL INSTALLATION (ENGLISH\FRENCH) (not available to order, see items 3 thru 61 & 63 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (10042)	B
	1001163658	Ref	DECAL INSTALLATION (ENGLISH\FRENCH) (not available to order, see items 3 thru 61 & 63 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (10042)	B
3	1706173	2	MODEL NUMBER DECAL (8042)	
3	1706174	2	MODEL NUMBER DECAL (10042)	
3	1706175	2	MODEL NUMBER DECAL (10054)	
6	4110155	1	REAR FRAME STRIPE RH DECAL	
7	1706200	1	ENGINE DOOR STRIPE RH DECAL	
8	4110157	1	MID FRAME STRIPE RH DECAL	
9	4110158	1	MID FRAME STRIPE LH DECAL	
10	1706201	1	ENGINE DOOR STRIPE LH DECAL	
11	4110160	1	REAR FRAME STRIPE LH DECAL	
12	4110166	1	FRONT FRAME STRIPE RH DECAL	
13	4110167	1	FRONT FRAME STRIPE LH DECAL	
14	1706299	1	ELECTROCUTION HAZARD DECAL, (ANSI)	
14	1706284	1	ELECTROCUTION HAZARD DECAL, (ISO)	
14	1001163210	1	ELECTROCUTION HAZARD DECAL, (ENGLISH\FRENCH)	
15	1706306	1	TIP OVER HAZARD DECAL, (ANSI)	
15	1706288	1	TIP OVER HAZARD DECAL, (ISO)	
15	1001163285	1	TIP OVER HAZARD DECAL, (ENGLISH\FRENCH)	
16	1706301	2	MOVING PARTS HAZARD DECAL, (ANSI)	
16	1706285	2	MOVING PARTS HAZARD DECAL, (ISO)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
16	1001163222	2	MOVING PARTS HAZARD DECAL, (ENGLISH\FRENCH)	
17	1706296	1	BATTERY HAZARD DECAL, (ANSI)	
17	1706281	1	BATTERY HAZARD DECAL, (ISO)	
17	1001163174	1	BATTERY HAZARD DECAL, (ENGLISH\FRENCH)	
22	1704885	1	WEBSITE DECAL	
23	3251813	1	USA DECAL	
24	N.S.S.	1	SN PLATE	
26	4110226	4	LIFT POINT/TIE DOWN DECAL	
27	4110242	1	FRAME STRIPE LH DECAL	
28	4100181	1	HYDRAULIC OIL FILL DECAL	
29	4108302	1	HYDRAULIC OIL LEVEL DECAL	
30	4105171	1	DIESEL FUEL FILL DECAL	
31	1001143904	1	MAINTENANCE CHART DECAL	
31	1001109596	1	MAINTENANCE CHART DECAL, (ISO), (if equipped for LS)	
32	1001129510	1	LUBRICATION CHART DECAL (8042)	
32	1001129509	1	LUBRICATION CHART DECAL (10042)	
32	1001129508	1	LUBRICATION CHART DECAL (10054)	
34		Ref	RECTANGULAR MIRROR, (See CAB SECTION for Breakdown)	
37	8466306	1	TILT ANGLE GAUGE	
38	10139087	1	SAFETY WALK	
42	4107462	1	SIDE CONSOLE DECAL	
43	4107971	1	OUTRIGGER CONTACT DECAL (ANSI) (10042,10054)	
43	1706279	1	OUTRIGGER CONTACT DECAL (ISO) (10042,10054)	
43	1001163452	1	OUTRIGGER CONTACT DECAL (ENGLISH\FRENCH) (10042,10054)	
44	1001129766	1	OVERLAY RH DECAL, (ANSI)	
44	1001129767	1	OVERLAY RH DECAL, (ISO)	
44	1001129766	1	OVERLAY RH DECAL, (ENGLISH\FRENCH)	
44	1001165771	1	OVERLAY RH DECAL, (ENGLISH\FRENCH)	
45	4110188	1	OVERLAY LH DECAL, (ANSI)	
45	1001110282	1	OVERLAY LH DECAL, (ISO)	
45	1001165804	1	OVERLAY LH DECAL, (ENGLISH\FRENCH)	
52	1706300	2	ETHER START WARNING DECAL, (ANSI)	
52	1706098	2	ETHER START WARNING DECAL, (ISO)	
52	1001163212	2	ETHER START WARNING DECAL, (ENGLISH\FRENCH)	
55	1706850	1	CRUSH HAZARD WARNING DECAL, (ANSI)	
55	1001092877	1	CRUSH HAZARD WARNING DECAL, (ISO)	
55	1001163304	1	CRUSH HAZARD WARNING DECAL, (ENGLISH\FRENCH)	
56	1706768	1	NO RIDERS DECAL, (ANSI)	
56	1001092878	1	NO RIDERS DECAL, (ISO)	
56	1001163300	1	NO RIDERS DECAL, (ENGLISH\FRENCH)	
57	1001109053	1	COOLANT FILL DECAL	
58	1701640	1	MANUAL DECAL	
59	1001125387	2	ULTRA LOW SULFUR DIESEL DECAL	
59	1001163355	2	ULTRA LOW SULFUR DIESEL DECAL, (ENGLISH\FRENCH)	
60	1001139578	1	HOT FLUID WARNING DECAL	
60	1001163323	1	HOT FLUID WARNING DECAL	
61	1001131271	1	TELEHANDLERS PATENT DECAL	
62	1001143852	1	EXPORT DECAL, (if equipped for LS)	
63	1702631	1	BAR CODE	
101	1001106014	1	CAPACITY CHART BOOKLET (ANSI) (8042)	
101	1001122561	1	CAPACITY CHART BOOKLET (ISO) (8042)	

SECTION 11 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	1001110414	1	OPTIONAL CAPACITY CHART BOOKLET (ANSI) (8042)	
101	1001122562	1	OPTIONAL CAPACITY CHART BOOKLET (ISO) (8042)	
101	1001106015	NLA	CAPACITY CHART BOOKLET (ANSI), (no longer available, use 1001199512 for replacement) (10042)	
101	1001199512	1	CAPACITY CHART BOOKLET (ANSI) (10042)	
101	1001122612	NLA	CAPACITY CHART BOOKLET (ISO), (no longer available, use 1001199513 for replacement) (10042)	
101	1001199513	1	CAPACITY CHART BOOKLET (ISO) (10042)	
101	1001110415	NLA	OPTIONAL CAPACITY CHART BOOKLET (ANSI), (no longer available, use 1001199512 for replacement) (10042)	
101	1001199512	1	OPTIONAL CAPACITY CHART BOOKLET (ANSI) (10042)	
101	1001122613	NLA	OPTIONAL CAPACITY CHART BOOKLET (ISO), (no longer available, use 1001199513 for replacement) (10042)	
101	1001199513	1	OPTIONAL CAPACITY CHART BOOKLET (ISO) (10042)	
101	1001106016	1	CAPACITY CHART BOOKLET (ANSI) (10054)	
101	1001121967	1	CAPACITY CHART BOOKLET (ISO) (10054)	
101	1001110416	1	OPTIONAL CAPACITY CHART BOOKLET (ANSI) (10054)	
101	1001121968	1	OPTIONAL CAPACITY CHART BOOKLET (ISO) (10054)	
201	4105621	1	AUXILIARY CONTROL DECAL	
301	1001153473	1	REAR DOOR SKYTRAK DECAL	
401	1001160072	1	REVERSE SENSING SYSTEM DECAL, (ANSI), (not shown)	
401	1001160945	1	REVERSE SENSING SYSTEM DECAL, (ENGLISH/FRENCH), (not shown)	
401	1001160916	1	REVERSE SENSING SYSTEM DECAL, (ISO), (not shown)	
K1	7302189	1	UNITED RENTALS DECAL KIT	
K2	1001098594	1	RSC DECAL KIT (10042,8042)	
K3	1001098595	1	RSC DECAL KIT (10054)	
K4	0274272	1	NES DECAL KIT	
K5	0274547	1	H & E DECAL KIT	
K6	1001120632	1	SUNBELT DECAL KIT	
K7	0274271	1	SUNSTATE DECAL KIT (10054,8042)	
K8	1001128530	1	HERTZ DECAL KIT	
K9	1001140699	1	LEAVITT DECAL KIT	
K10	0274072	1	CUSTOMER DECAL KIT	

SECTION 11 - DECALS

FIGURE 11-2. BOOM DECALS

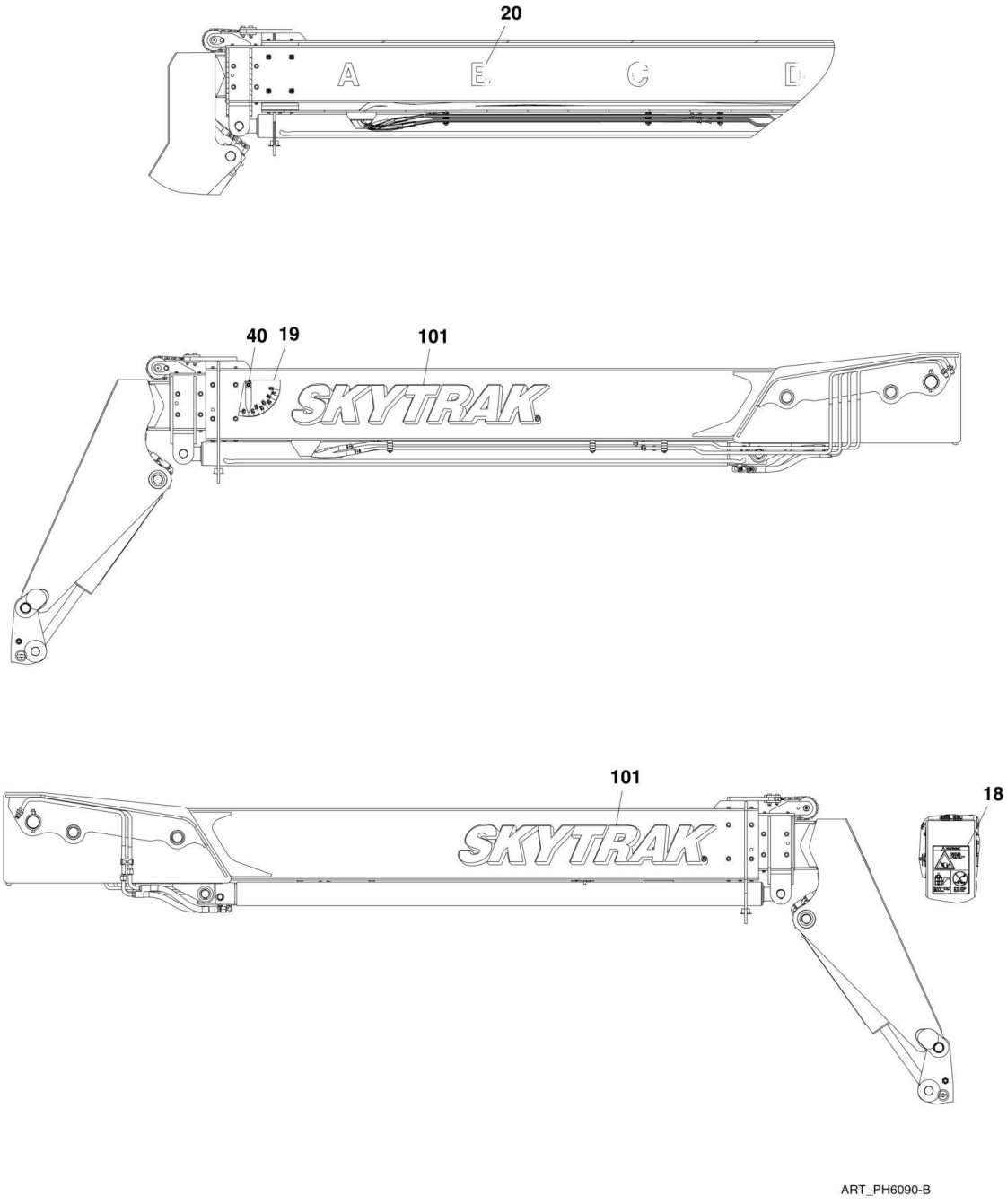


FIGURE 11-2. BOOM DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001125360	Ref	DECAL INSTALLATION (ANSI), (not available to order, see items 18 thru 20 on BOOM DECALS and items on CAB AND FRAME DECALS for service) (8042)	F
	1001125361	Ref	DECAL INSTALLATION (ISO), (if equipped for ULS), (not available to order, see items 18 thru 20 on BOOM DECALS and items on CAB AND FRAME DECALS for service) (8042)	F
	1001142440	Ref	DECAL INSTALLATION (ISO), (if equipped for LS), (not available to order, see items 18 thru 20 on BOOM DECALS and items on CAB AND FRAME DECALS for service) (8042)	E
	1001125362	Ref	DECAL INSTALLATION (ANSI), (not available to order, see items 18 thru 20 on BOOM DECALS and items on CAB AND FRAME DECALS for service) (10042)	F
	1001125363	Ref	DECAL INSTALLATION (ISO), (if equipped for ULS), (not available to order, see items 18 thru 20 on BOOM DECALS and items on CAB AND FRAME DECALS for service) (10042)	F
	1001142410	Ref	DECAL INSTALLATION (ISO), (if equipped for LS), (not available to order, see items 18 thru 20 on BOOM DECALS and items on CAB AND FRAME DECALS for service) (10042)	E
	1001125364	Ref	DECAL INSTALLATION (ANSI), (not available to order, see items 18 thru 20 on BOOM DECALS and items on CAB AND FRAME DECALS for service) (10054)	F
	1001125365	Ref	DECAL INSTALLATION (ISO), (if equipped for ULS), (not available to order, see items 18 thru 20 on BOOM DECALS and items on CAB AND FRAME DECALS for service) (10054)	F
	1001142409	Ref	DECAL INSTALLATION (ISO), (if equipped for LS), (not available to order, see items 18 thru 20 on BOOM DECALS and items on CAB AND FRAME DECALS for service) (10054)	E
	1001163654	Ref	DECAL INSTALLATION (ENGLISH\FRENCH) , (not available to order, see items 18 thru 20 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (8042)	A
	1001163657	Ref	DECAL INSTALLATION (ENGLISH\FRENCH) , (not available to order, see items 18 thru 20 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (10042)	A
	1001163658	Ref	DECAL INSTALLATION (ENGLISH\FRENCH) , (not available to order, see items 18 thru 20 on CAB AND FRAME DECALS and items on BOOM DECALS for service) (10054)	A
18	1706298	1	CARRYING PERSONNEL DECAL, (ANSI)	
18	1706282	1	CARRYING PERSONNEL DECAL, (ISO)	
18	1001163206	1	CARRYING PERSONNEL DECAL, (ENGLISH\FRENCH)	
19	4105262	1	BOOM ANGLE INDICATOR DECAL	
20	4107442	1	BOOM EXTEND LETTERS DECAL	
40		Ref	BOOM ANGLE INDICATOR PLATE AND MOUNTING HARDWARE, (See BOOM SECTION for Breakdown)	
	0274068	Ref	SKYTRAK DECAL INSTALLATION, (not available to order, see item 101 for service)	B
101	1706176	2	SKYTRAK BOOM DECAL	

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 12-1. RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.	
	7139077	1	Filler/Breather (Hydraulic Tank)	
	7029246	1	Coil, Solenoid (Stabli-Trak)	
	70022724	1	Coil With Diode (Directional Control Valve)	
	8160406	1	Controller (Auxiliary Control)	
	1001182358	1	Control, Reverse Sensor	
		Ref	**Engine Components - Cummins (ULS) (Prior to SN 160068606)**	
	70024278	12	Element, Oil Filter	
	70024177	12	Element, Air Filter - Primary	
	70024176	12	Element, Air Filter - Secondary	
	70022846	12	Element, Fuel Filter - Primary	
	70023812	12	Element, Fuel Filter - Secondary	
		Ref	**Engine Components - Cummins (ULS) (SN 160068606 to Present)**	
	8036204	12	Element, Oil Filter	
	70022846	12	Element, Fuel Filter - Primary	
	70023812	12	Element, Air Filter - Secondary	
	70024177	12	Element, Air Filter - Primary	
	70024176	12	Element, Air Filter - Secondary	
		Ref	**Engine Components - Cummins (LS)**	
	8036204	12	Element, Oil Filter	
	70024156	12	Element, Fuel Filter - Primary	
	70022846	12	Element, Fuel Filter - Secondary	
	1101312	12	Element, Air Filter - Primary	
	1101313	12	Element, Air Filter - Secondary	
	7301252	12	Element, Hydraulic Return	
	70024156	12	Filter Element (Fuel Tank)	
	1319726	12	Filter, Transmission Oil	
	1001081375	1	Filter, Cab Air	
	1001118245	2	Fuse, 250 Amp (Engine Compartment)	
	1001127699	2	Fuse, Power Module (Engine Compartment)	
	8229233	2	Fuse 7.5A (Cab/Work Lighting/Beacon)	
	8229234	2	Fuse 10A (Cab)	
	8229237	2	Fuse 15A (Cab/Road Lighting)	
	8229238	2	Fuse 40A (Cab/Work Lighting)	
	8229235	2	Fuse 20A (Cab/Road Lighting)	
	8229261	2	Fuse 5A (Cab)	
	1001129285	2	Fuse, Mini Diode (Cab)	
	8229243	2	Fuse, 7.5 AMP Mini Logic Harness) (10054)	
	8224045	1	Control, Pilot Joystick (Boom Control)	
	8224047	1	Control, Pilot Joystick (Frame Level Control)	
	1600429	1	Joystick, Transmission Selector	
	8035807	1	Key (with cover) (Ignition)	
	8342808	1	Key Set (Rear Cover) **(SN 0160053075 to Present)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70021948	1	Key (Cab Door)	
	1001190341	1	Latch (Rear Cover)	
	2940074	1	Latch (Fork Mounted Basket)	
	1001105892	1	Latch (Cab Door) **(Prior to SN 0160050422)**	
	1001117308	1	Relay, 200 Amp (Engine Compartment Electrical)	
	1001163729	1	Relay, Power Module (Engine Compartment Electrical)	
	8225119	1	Relay (Cab/Road Lighting)	
	1001205172	1	Relay, Micro 280, 12V, 35 Amp	
	4461103	1	Relay (logic Harness)	
	70024160	1	Sensor, Water-In-Fuel (WIF) (Fuel Tank)	
	1001130307	1	Sensor, Boom	
	70023521	1	Solenoid (Directional Control Valve)	
	8223025	1	Switch, Brake Lights (Cab)	
	4360690	1	Switch, Ignition (Cab)	
	8223037	1	Switch, Steer Select (Cab)	
	8223043	1	Switch, Windscreen Wiper (Enclosed Cab)	
	8223044	1	Switch, Windscreen Washer (Enclosed Cab)	
	8223054	1	Switch, Park Brake (Cab)	
	8223059	1	Switch, Work Light	
	8223060	1	Switch, Hazard	
	8223057	1	Switch, Brake Lights (Cab)	
	8223038	1	Switch, Beacon	
	8223041	1	Switch, Left Outrigger (10042)	
	8223042	1	Switch, Right Outrigger (10042)	

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

FIGURE 13-1. SPECIAL OPTIONS/ACCESSORIES/KITS

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

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

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

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

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