



Illustrated Parts Manual

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PVC 2505

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September 8, 2025 - Rev C

English (en-US)

EFFECTIVITY PAGE

April 2, 2025 - A - Original Issue of Manual (Edited to B/M 1001288042 Revision J)

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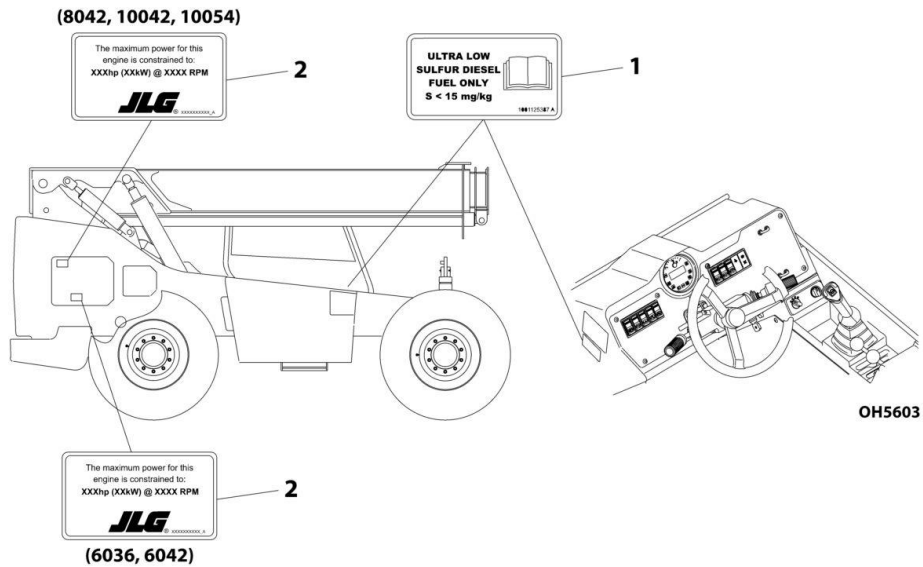
September 8, 2025 - C - Revised Manual (Edited to B/M 1001288042 Revision K)

Machine Configuration

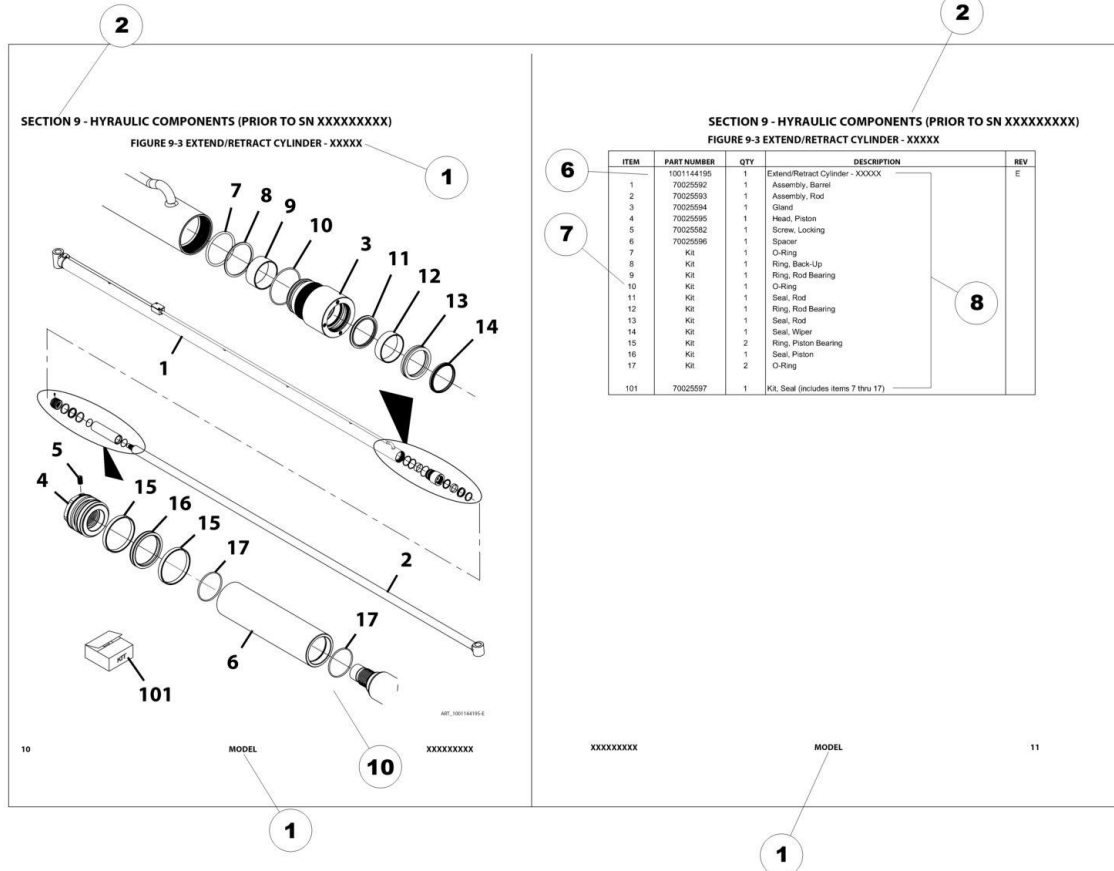
Two configurations of each machine are included in this manual. Determine if machine is equipped with Ultra Low Sulfur Fuel Decal (1) as indicated below.

- 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



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 maintenance parts.

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 Electronics
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
M³.....	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 REFERENCE LETTERS

When necessary, illustrations may contain reference letters that are intended to track information from one point to another in the illustration such as harnesses 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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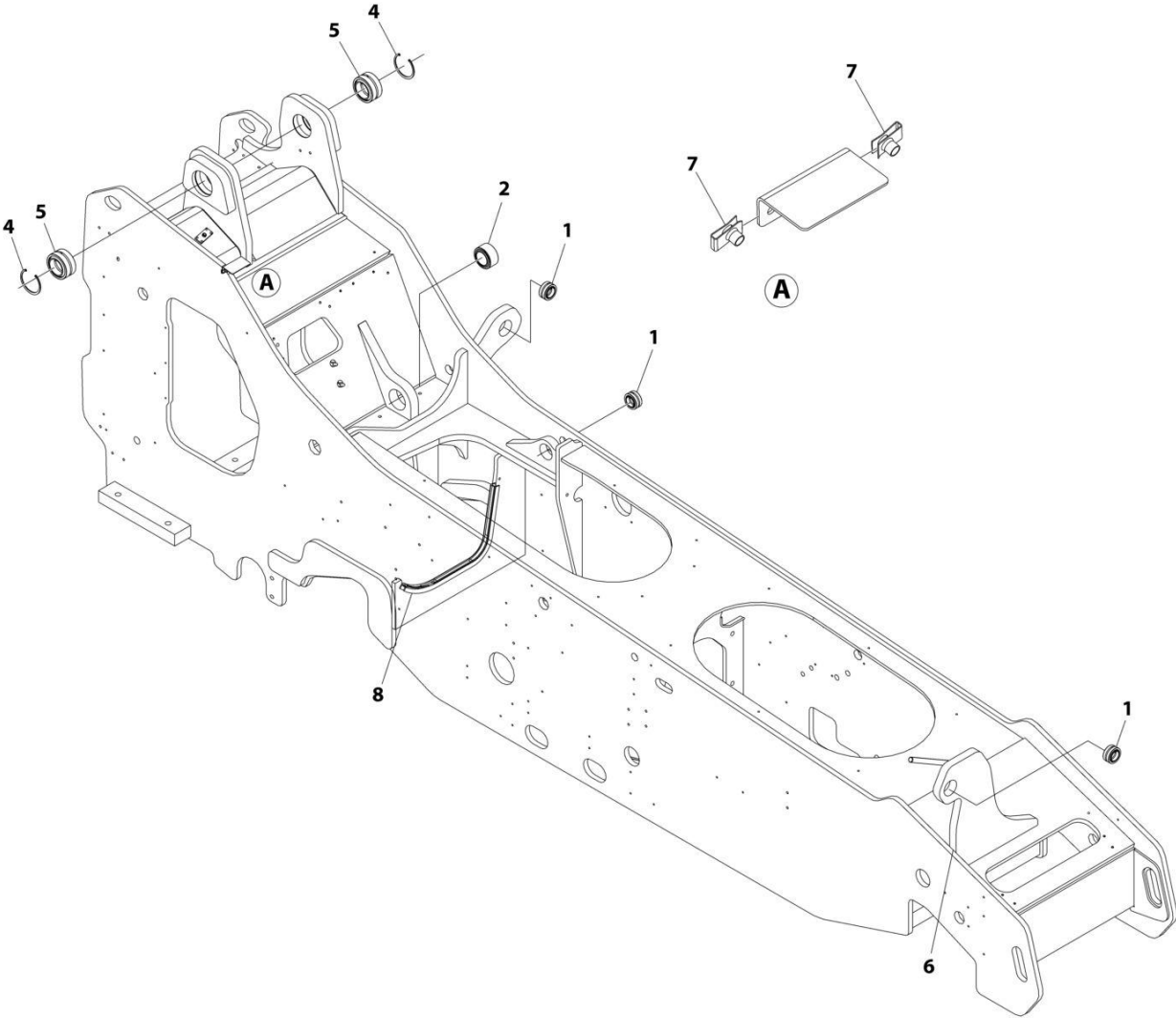
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SECTION 1 - FRAME AND ATTACHING PARTS

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FIGURE 1-1. FRAME BEARING AND TRIM INSTALLATION



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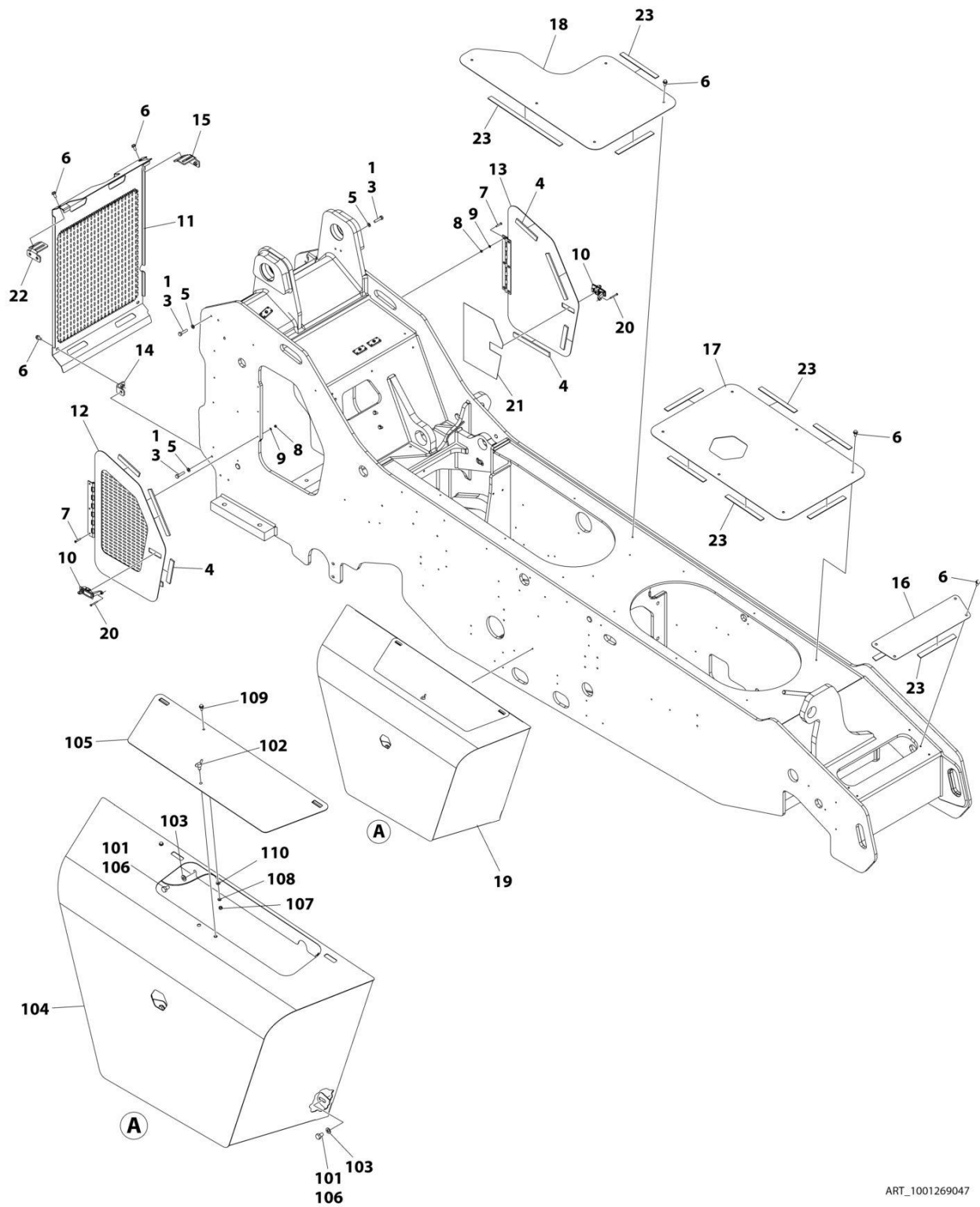
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-1. FRAME BEARING AND TRIM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281971	Ref	FRAME BEARING AND TRIM INSTALLATION	G
1	8050001	3	Bearing	
2	1001308661	1	Bearing	
4	1001271173	2	Ring	
5	1001271973	2	Bearing	
6	0100040	AR	Sealant	
7	8310686	2	Nut	
8	4060918	3 ft/1 m	Flex-Trim	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-2. FRAME COVERS ASSEMBLY



ART_1001269047

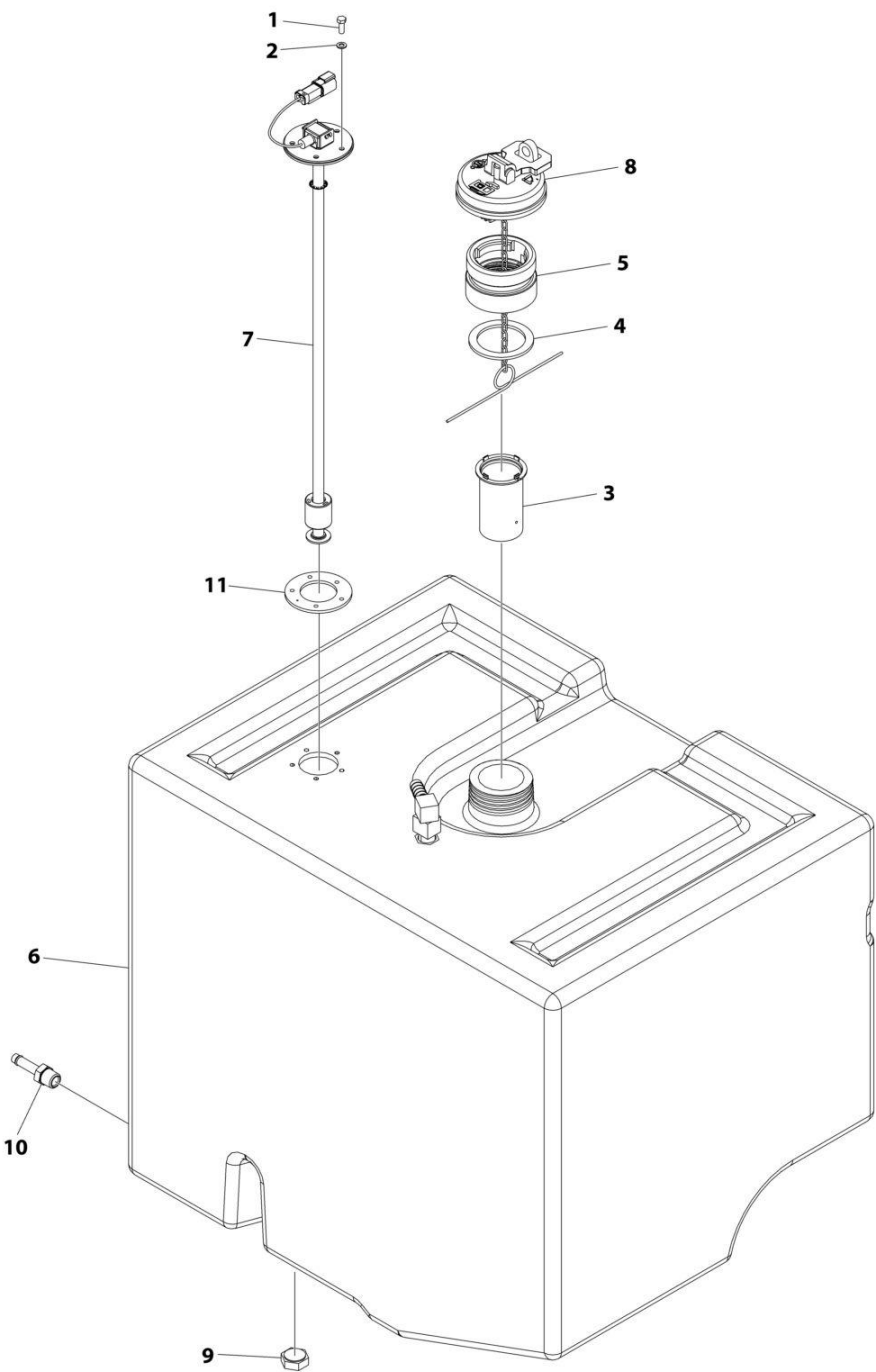
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-2. FRAME COVERS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001269047	Ref	FRAME COVERS ASSEMBLY	J
1	0100011	AR	Compound, Locking	
3	0761017	6	Bolt M10 x 45	
4	1001284888	5 ft/1.5 m	Tape, Insulation	
5	4812000	6	Washer M10	
6	5251010	19	Bolt M10 x 20	
7	1001297088	6	Screw M6 x 35	
8	3290605	6	Nut M6	
9	4811700	6	Washer M6	
10	1001190341	2	Latch, Adjustable Trigger	
11	1001271026	1	Panel, Rear Access	
12	1001271029	1	Panel, Engine Access	
13	1001284176	1	Panel, Engine Access	
14	1001271033	2	Bracket, Rear Bottom Mount	
15	1001271035	1	Bracket, Rear Top Mount	
16	1001271406	1	Panel, Front Axle Cover	
17	1001271407	1	Panel, Front Top Cover	
18	1001271408	1	Panel, Rear Top Cover	
19	1001272327	1	Tank Cover Assembly (See Items 101-105 for Breakdown)	
20	0760517	2	Bolt M5 x 45	
21	1001287542	1	Insulate, Engine Door	
22	1001288368	1	Bracket, Rear Top Mount	
23	4420037	17 ft/5 m	Tape, Insulation	
	1001272327	Ref	TANK COVER ASSEMBLY	E
101	0761008	4	Bolt M10 x 16	
102	1001250708	1	Bolt M8 x 20	
103	4812000	4	Washer M10	
104	1001272329	1	Hood, Tank Cover	
105	1001272334	1	Panel, Tank LID	
106	0100011	1	Compound, Locking	
107	3290605	2	Nut M6	
108	4811700	2	Washer M6	
109	5250608	2	Bolt M6 x 16	
110	1060697	1	Lanyard	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-3. FUEL TANK ASSEMBLY



ART_1001272195_I

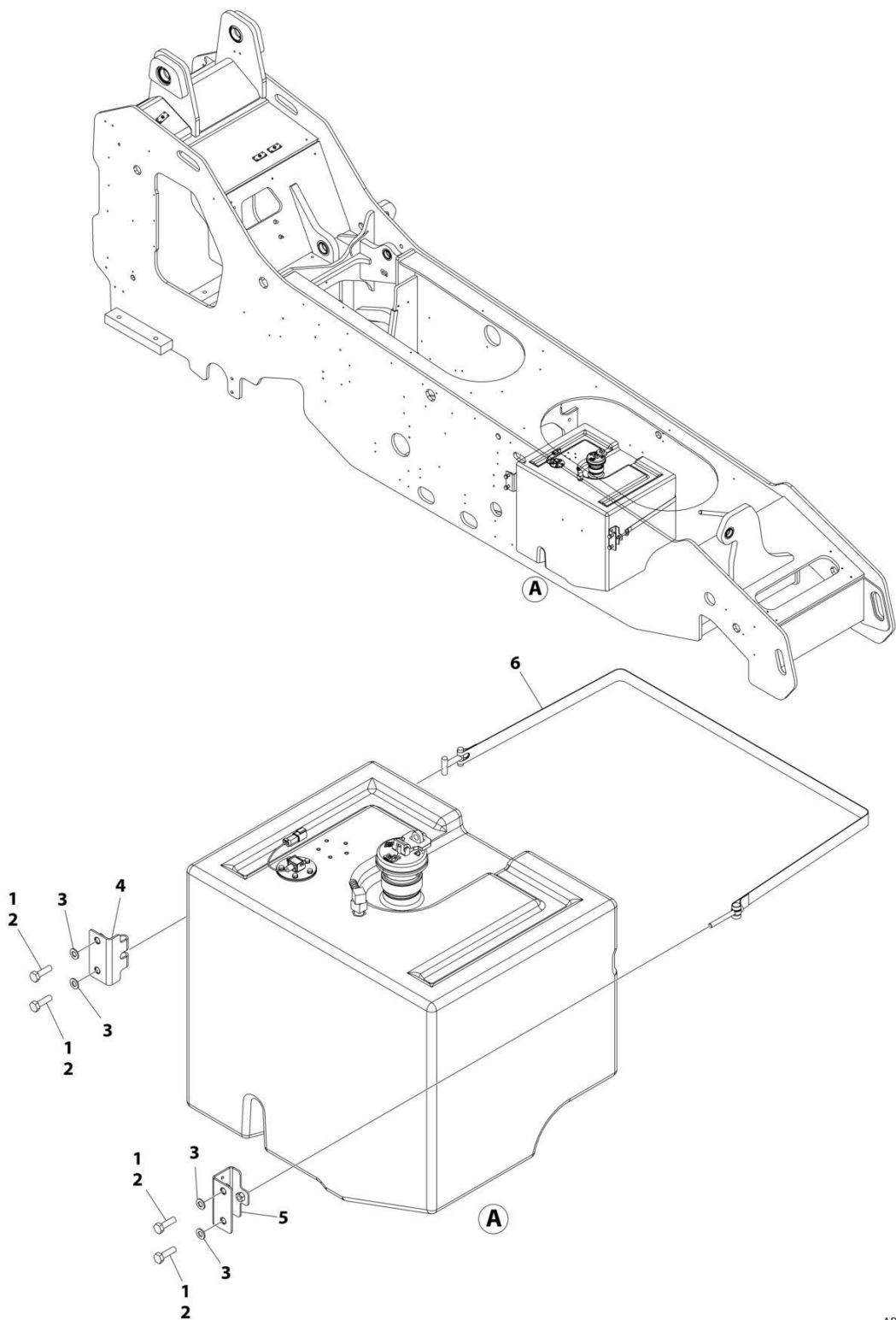
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-3. FUEL TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001272195	Ref	FUEL TANK ASSEMBLY	I
1	0760507	5	Bolt M5 x 14	
2	4811600	5	Washer M5	
3	1001285734	1	Tube, Fuel Tank	
4	1001172178	1	Gasket	
5	1001207282	1	Adapter, Tank Cap	
6	1001270109	1	Tank, Fuel	
7	1001293108	1	Sensor	
8	1001272297	1	Cap	
9	2220239	1	Plug	
10	1001313847	1	Fitting, Straight Barbed	
11	1001315419	1	Gasket	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-4. FUEL TANK MOUNTING INSTALLATION



ART_1001272194

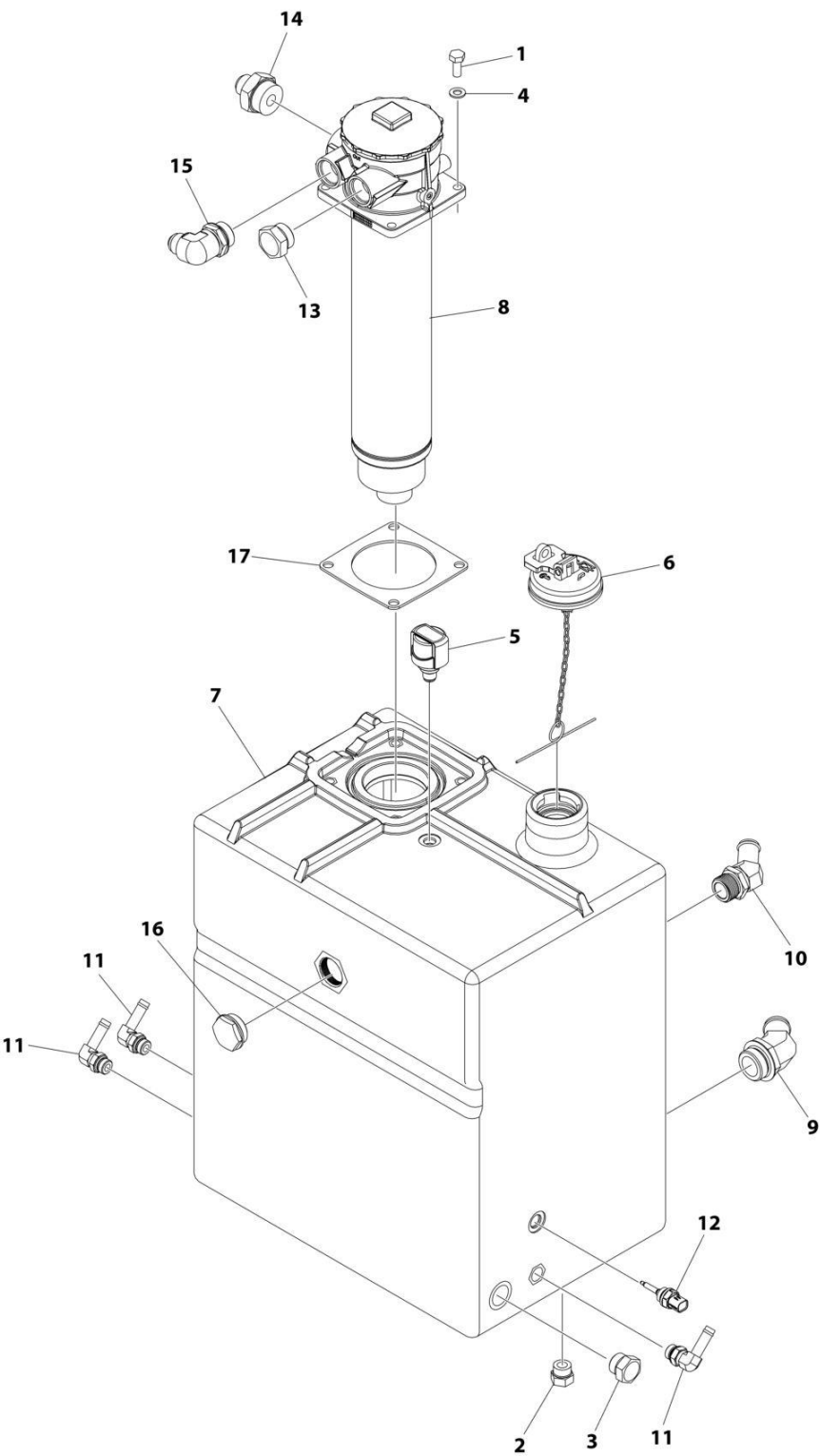
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-4. FUEL TANK MOUNTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001272194	Ref	FUEL TANK MOUNTING INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0761015	4	Bolt M10 x 35	
3	4812000	4	Washer M10	
4	1001271599	1	Bracket, Holder	
5	1001271601	1	Bracket, Mount	
6	1001271604	1	Strap, Tank	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-5. HYDRAULIC TANK ASSEMBLY (Prior to SN 0160147318)



ART_1001272127

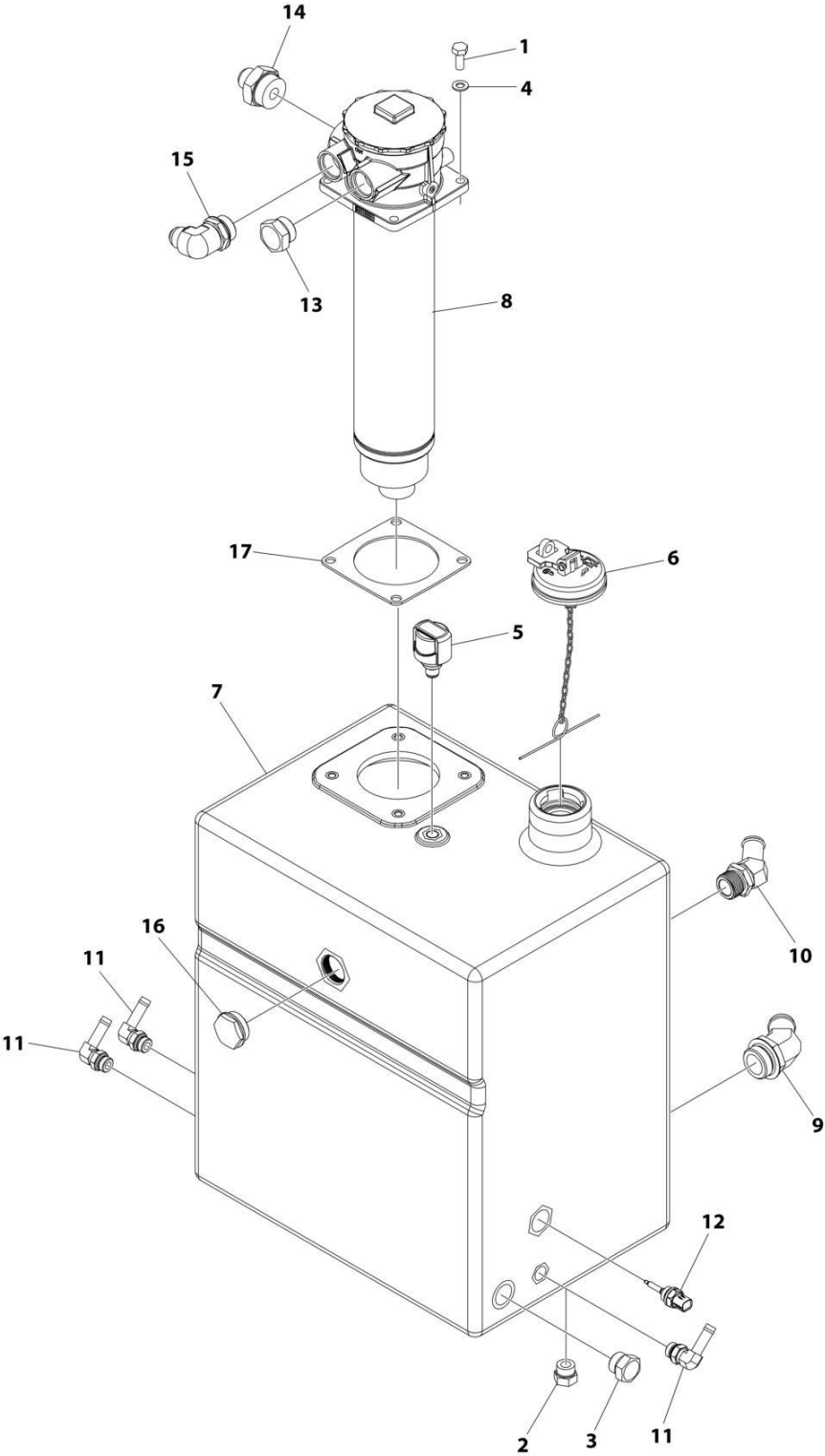
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-5. HYDRAULIC TANK ASSEMBLY (Prior to SN 0160147318)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001272127	Ref	HYDRAULIC TANK ASSEMBLY	H
1	0761012	4	Bolt M10 x 25	
2	1001003427	1	Plug	
3	2220240	1	Plug	
4	4812000	4	Washer M10	
5	1001162662	1	Filter, Breather	
6	1001194981	1	Cap, Hydraulic	
7	1001270108	1	Tank, Hydraulic	
8	1001271878	1	Filter Assembly	
8	1001271972	1	Element, Filter	
8	70031245	1	Divider Separator Assembly	
8	70031246	1	Repair Kit - O'Ring's	
8	70031247	1	Lid Assembly	
9	1001272155	1	Fitting, 45	
10	1001272156	1	Fitting, 45	
11	1001272717	3	Fitting, 90	
12	1001128478	1	Sensor, Temperature	
13	2220242	1	Plug	
14	2221346	1	Fitting, Straight	
15	2220465	1	Fitting, 90	
16	1001285382	1	Gauge	
17	1001318816	1	Gasket	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-6. HYDRAULIC TANK ASSEMBLY (SN 0160147319 to Present)



ART_1001321960

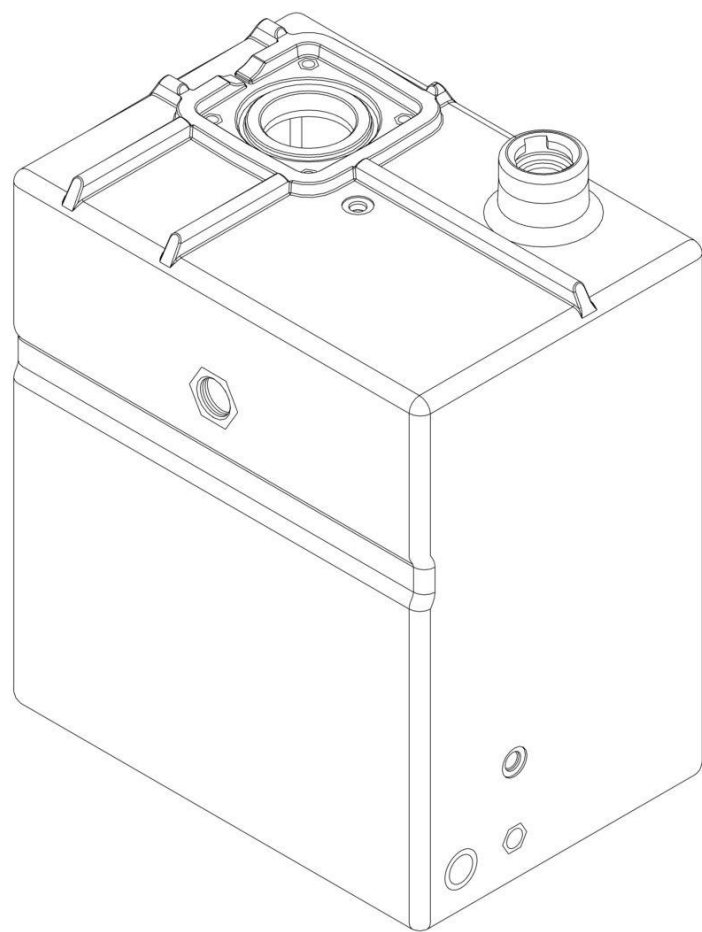
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-6. HYDRAULIC TANK ASSEMBLY (SN 0160147319 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001321960	Ref	HYDRAULIC TANK ASSEMBLY	A
1	0761012	4	Bolt M10 x 25	
2	1001003427	1	Plug	
3	2220240	1	Plug	
4	4812000	4	Washer M10	
5	1001162662	1	Filter, Breather	
6	1001194981	1	Cap, Hydraulic	
7	1001321959	1	Tank, Hydraulic	
8	1001271878	1	Filter Assembly	
8	1001271972	1	Element, Filter	
8	70031245	1	Divider Separator Assembly	
8	70031246	1	Repair Kit - O-Rings	
8	70031247	1	Lid Assembly	
9	1001272155	1	Fitting, 45 Barbed/ORB	
10	1001272156	1	Fitting, 45 Barbed/ORB	
11	1001272717	3	Fitting, 90 Barbed/ORB	
12	1001128478	1	Sensor, Temperature	
13	2220242	1	Plug	
14	2221346	1	Fitting, Straight JIC/ORB	
15	2220465	1	Fitting, 90 JIC/ORB	
16	1001285382	1	Gauge, Sight Glass	
17	1001318816	1	Gasket	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-7. HYDRAULIC TANK SUB-ASSEMBLY



ART_1001270108

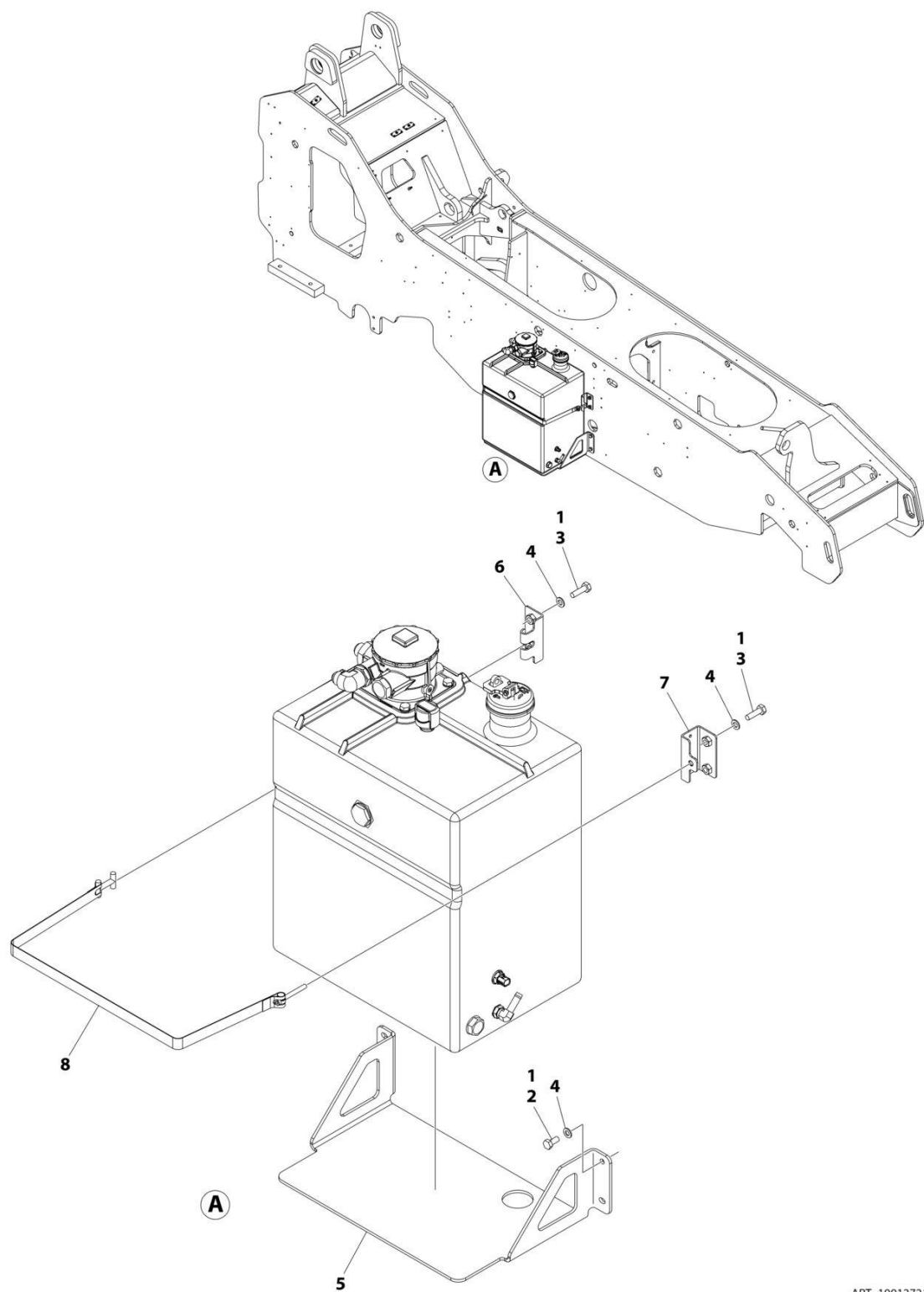
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-7. HYDRAULIC TANK SUB-ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270108	Ref Ref	HYDRAULIC TANK ASSEMBLY Note: No Service Parts Available at Time of Printing	F

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FIGURE 1-8. HYDRAULIC TANK MOUNTING INSTALLATION



ART_1001272128

SECTION 1 - FRAME AND ATTACHING PARTS

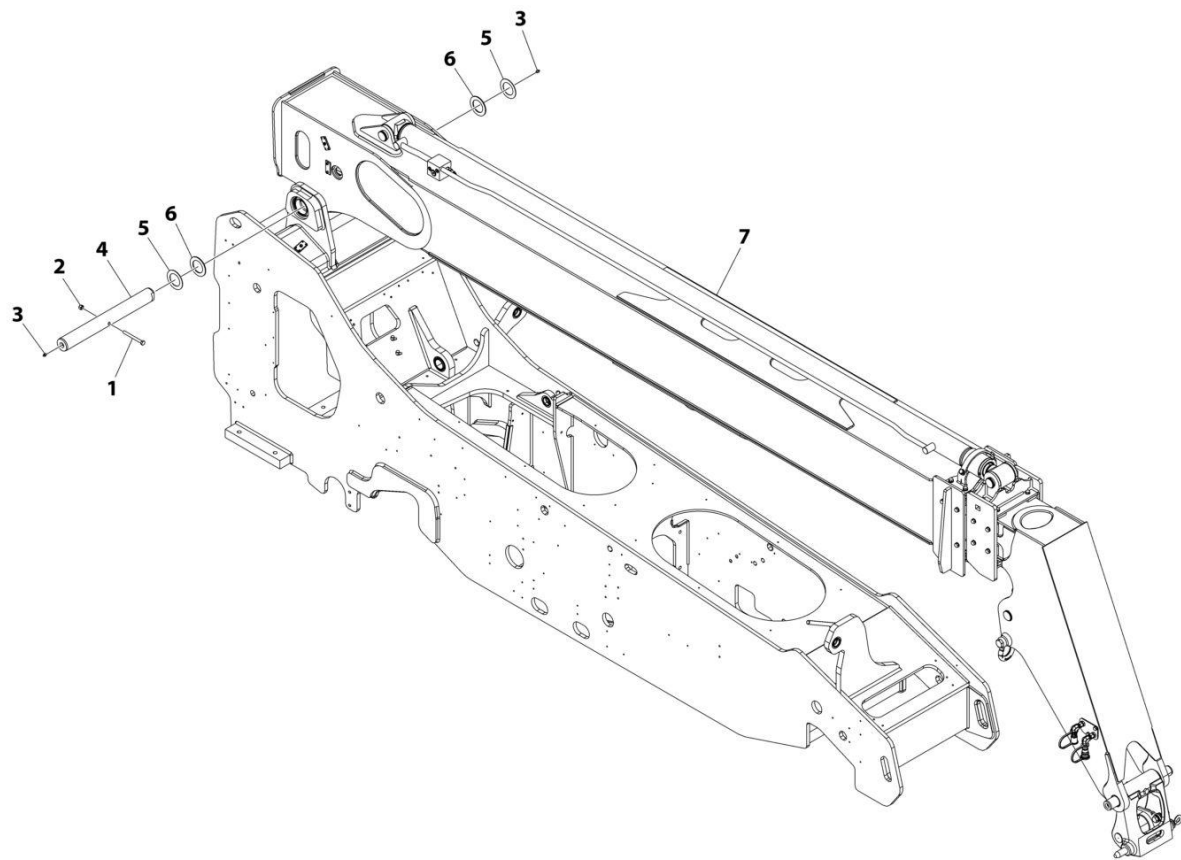
FIGURE 1-8. HYDRAULIC TANK MOUNTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001272128	Ref	HYDRAULIC TANK MOUNTING INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0761011	4	Bolt M10 x 22	
3	0761016	4	Bolt M10 x 40	
4	4812000	8	Washer M10	
5	1001271598	1	Bracket, Tray	
6	1001271599	1	Bracket, Holder	
7	1001271601	1	Bracket, Mount	
8	1001271603	1	Strap, Tank	

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SECTION 2 - BOOM

FIGURE 2-1. BOOM INSTALLATION



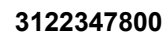
ART_1001281940

FIGURE 2-1. BOOM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281940	Ref	BOOM INSTALLATION	A
1	0701229	1	Bolt M12 x 120	
2	3291205	1	Nut M12	
3	8520001	2	Fitting, Straight	
4	1001269473	1	Pin	
5	1001270438	AR	Shim	
6	1001270439	AR	Shim	
7	1001281941	1	Boom Assembly (See Separate Breakdown in this Section)	

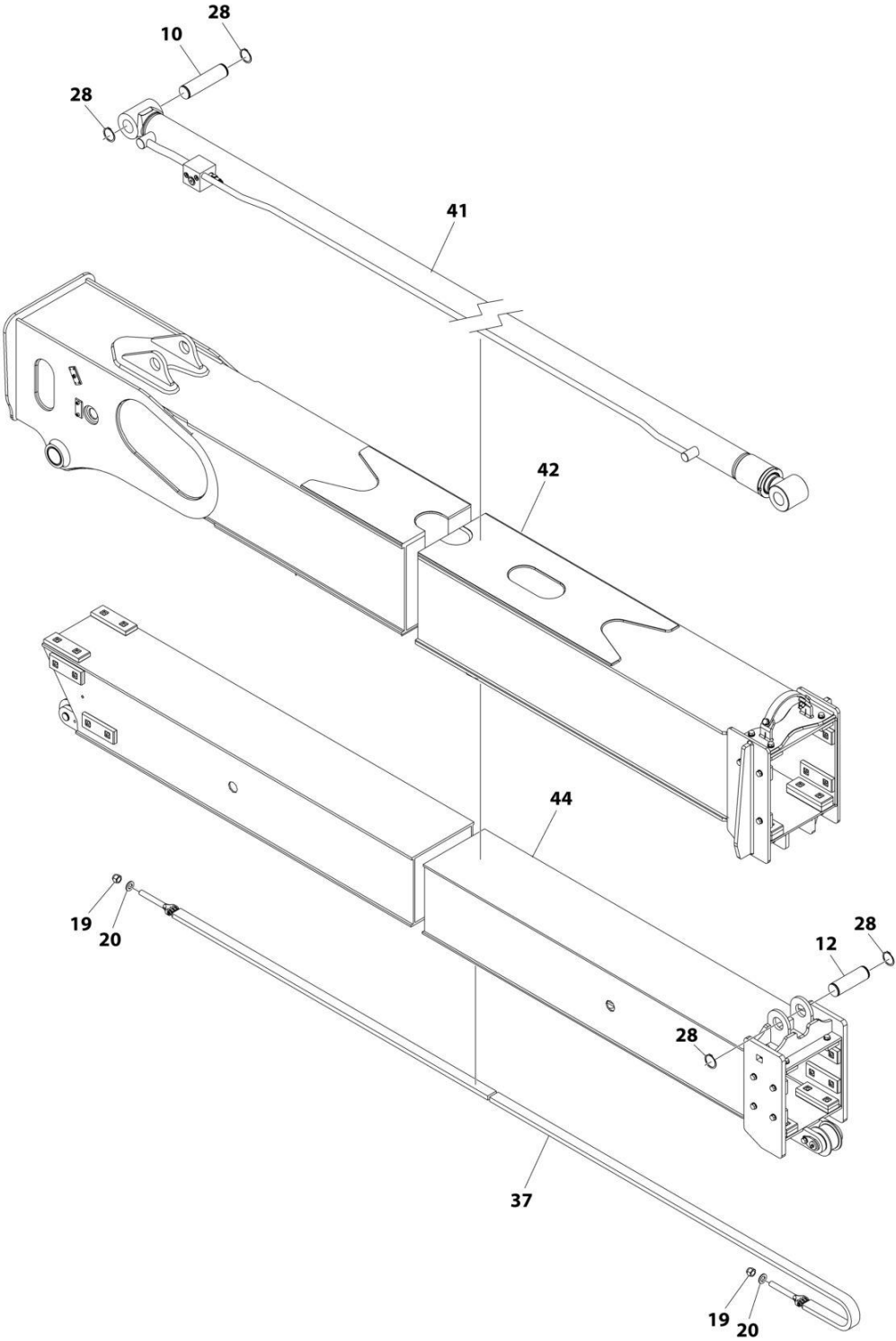
36

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ART_1001281941_G_1OF2

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ART_1001281941_G_2OF2

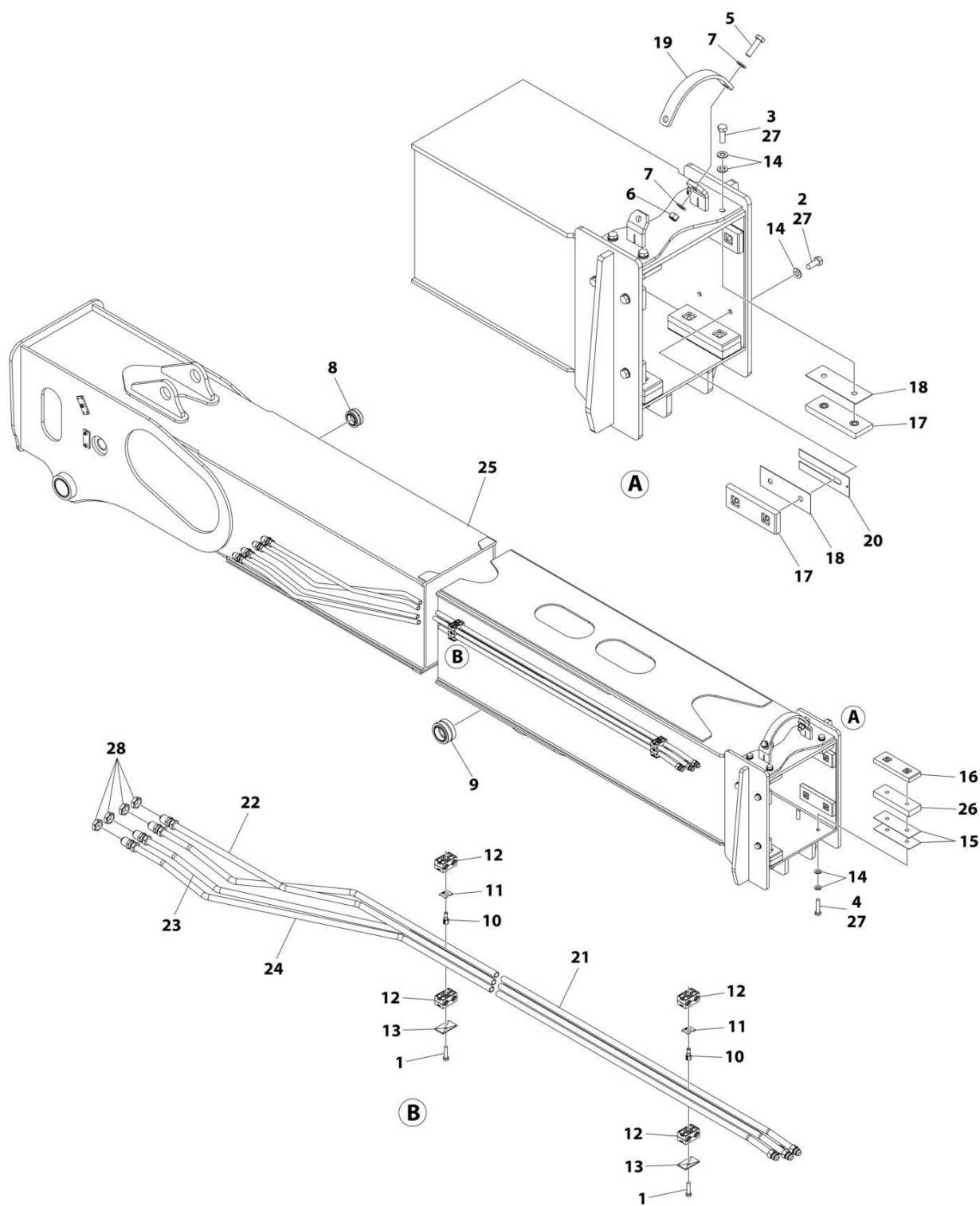
SECTION 2 - BOOM

FIGURE 2-2. BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281941	Ref	BOOM ASSEMBLY	G
1	0761010	2	Bolt M10 x 20	
2	2220373	2	Fitting, Straight	
3	2220651	2	Fitting, Straight	
4	2221027	2	Fitting, 90	
5	2230025	2	Fitting, Bulkhead Straight	
7	4812000	2	Washer M10	
8	7083922	1	Pin, Carriage Pivot	
9	7083992	1	Pin, Rod End	
10	7095522	1	Pin	
11	7096552	1	Pin, Base End	
12	7096562	1	Pin, Rod End	
13	7118892	1	Lock Pin Assembly (See Separate Breakdown in this Section)	
14	0711630	1	Bolt M16 x 130	
15	0711230	1	Bolt M12 x 130	
16	3291605	1	Nut M16	
17	3291205	1	Nut M12	
18	8305645	2	Nut 3/8	
19	8305646	3	Nut 3/4	
20	8307104	3	Washer 3/4	
21	8307904	AR	Washer 2	
22	8307918	2	Washer 2	
23	8310019	2	Screw 1/2 x 3/8-16	
24	8310093	AR	Washer 2	
25	8420053	1	Cap, Dust	
26	8420055	1	Plug, Dust	
27	8520001	2	Fitting, Straight	
28	8642224	6	Ring, Retaining	
29	91403413	1	Fitting, Quick Disconnect	
30	91403414	1	Fitting, Quick Disconnect	
31	1001204045	1	Clevis	
32	1001242996	1	Coupler Assembly (See Separate Breakdown in this Section)	
35	1001269459	2	Plate, Retract Pivot	
36	1001269461	1	Chain, Retract	
37	1001269462	1	Chain, Extend	
38	1001294199	2	Hose	
39	1001294200	2	Hose	
40	1001272715	1	Plate, Aux Bulkhead	
41	1001282172	1	Extend/Retract Cylinder Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
42	1001282216	1	Boom Base Assembly (See Separate Breakdown in this Section)	
43	1001286332	1	Tilt Cylinder Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
44	1001290005	1	Boom Mid Assembly (See Separate Breakdown in this Section)	
45	1001290008	1	Boom Fly Assembly (See Separate Breakdown in this Section)	

SECTION 2 - BOOM

FIGURE 2-3. BOOM BASE ASSEMBLY



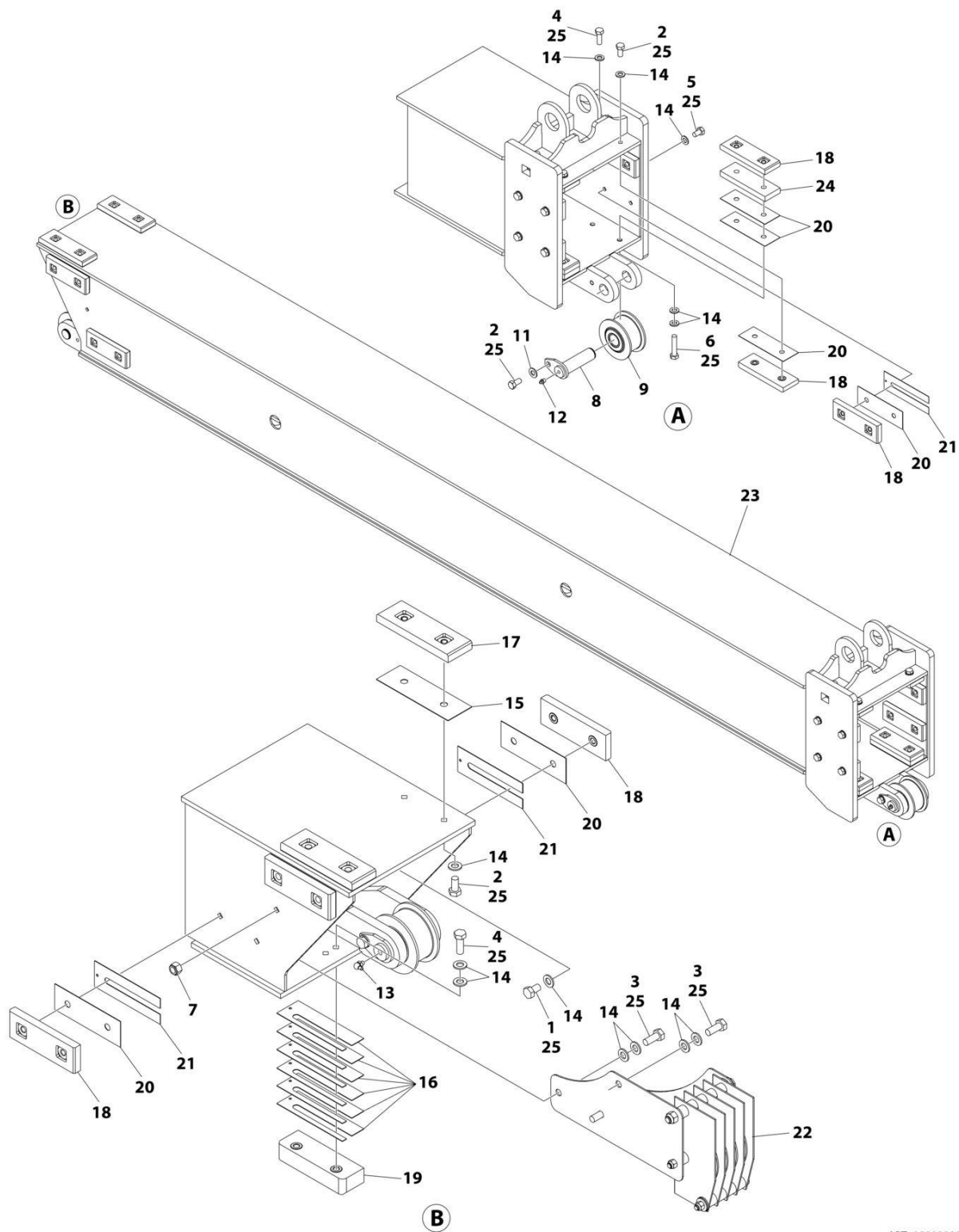
ART_1001282216

FIGURE 2-3. BOOM BASE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001282216	Ref	BOOM BASE ASSEMBLY	E
1	0760815	2	Bolt M8 x 35	
2	0711214	8	Bolt M12 x 30	
3	0711215	4	Bolt M12 x 35	
4	0711219	4	Bolt M12 x 55	
5	0711217	2	Bolt M12 x 45	
6	3291205	2	Nut M12	
7	4812100	4	Washer M12	
8	8050001	1	Bearing	
9	8065640	1	Bearing	
10	8750037	2	Bolt, Stacking	
11	8750017	2	Plate, Twin Clamp Locking	
12	8769122	4	Clamp Set, Twin 5/8	
13	8769123	2	Cover Plate, Twin	
14	1001125117	24	Washer	
15	1001163034	4	Plate, Spacer	
16	1001165171	2	Pad, Wear	
17	1001165172	6	Pad, Wear	
18	1001165367	6	Plate, Spacer	
19	1001168987	1	Strap	
20	1001200989	AR	Plate, Shim	
21	1001294195	1	Pipe, Telescopic Extend	
22	1001294196	1	Pipe, Telescopic Retract	
23	1001294197	1	Pipe, Aux A	
24	1001294198	1	Pipe, Aux B	
25	1001282184	1	Boom, First Section	
26	1001291255	2	Block, Wear Pad	
27	0100011	AR	Compound, Locking	
28	8760465	4	Fitting, Bulkhead Nut	

SECTION 2 - BOOM

FIGURE 2-4. BOOM MID ASSEMBLY



ART_1001290005

FIGURE 2-4. BOOM MID ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290005	Ref	BOOM MID ASSEMBLY	C
1	0771210	6	Bolt M12 x 20	
2	0771212	8	Bolt M12 x 25	
3	0711214	3	Bolt M12 x 30	
4	0711215	4	Bolt M12 x 35	
5	0711216	8	Bolt, M12 x 40	
6	0711219	4	Bolt M12 x 55	
7	3291205	1	Nut M12	
8	7138977	2	Pin, Retract Chain Sheave	
9	7138986	2	Sheave Assembly - Retract Chain	
11	4812100	2	Washer M12	
12	8520001	1	Fitting, Straight	
13	8520003	1	Fitting, 90	
14	1001125117	40	Washer M12	
15	1001163034	2	Plate, Spacer	
16	1001163104	6	Plate, Shim	
17	1001165171	2	Pad, Wear	
18	1001165172	12	Pad, Wear	
19	1001165175	1	Pad, Wear	
20	1001165367	14	Plate, Spacer	
21	1001200989	AR	Plate, Shim	
22	1001267710	1	Hose Pulley Assembly (See Separate Breakdown in this Section)	
23	1001290006	1	Boom, Second Section	
24	1001291256	2	Block, Wear Pad Spacer	
25	0100011	AR	Compound, Locking	

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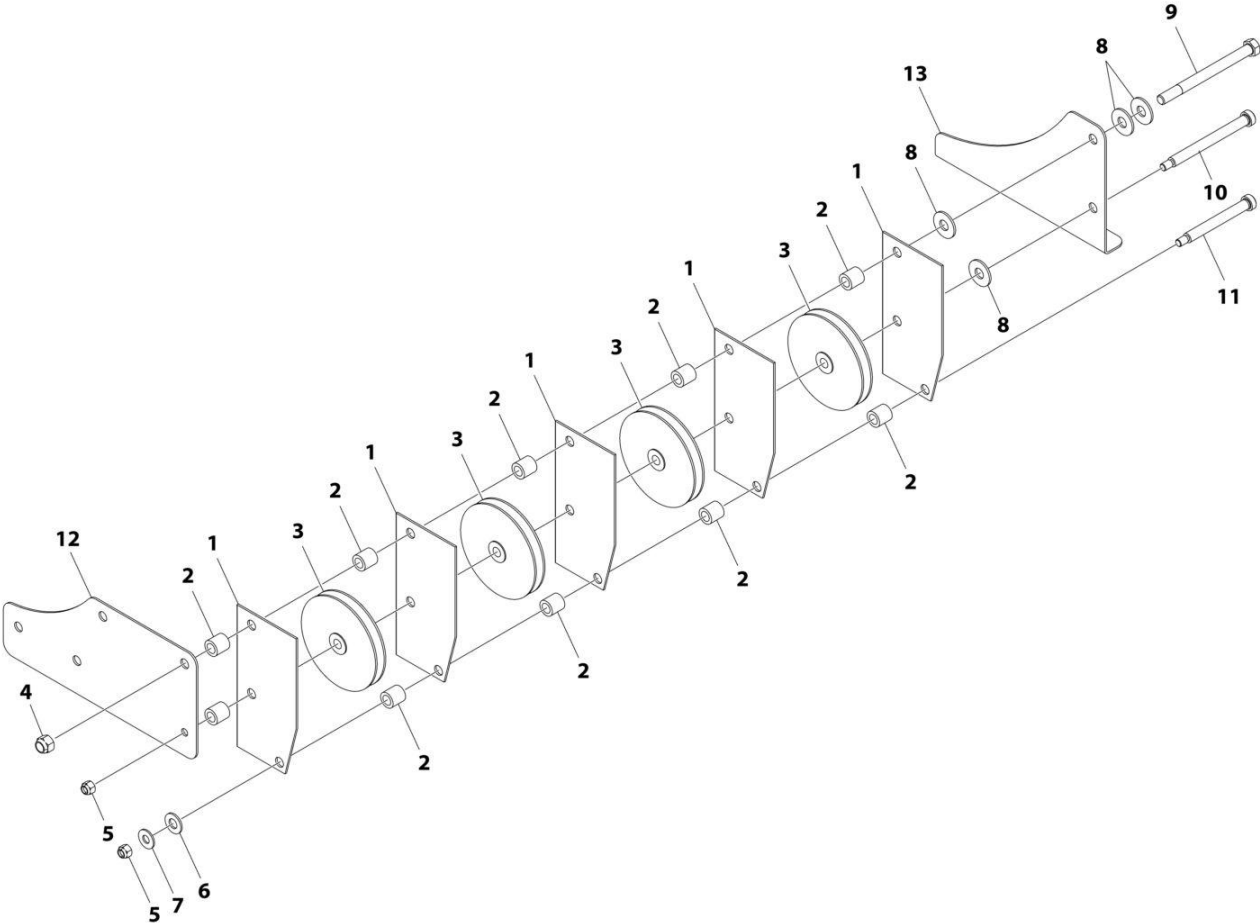
ART_1001290008

FIGURE 2-5. BOOM FLY ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290008	Ref	BOOM FLY ASSEMBLY	C
1	0641508	2	Bolt 5/16 x 1	
2	0771210	8	Bolt M12 x 20	
3	0771212	4	Bolt M12 x 25	
4	0711217	4	Bolt, M12 x 45	
6	8307203	4	Washer 5/16	
7	8310081	2	Screw 5/16-18 Grade 5	
8	8769161	4	Clamp	
9	1001125117	20	Washer M12	
10	1001165172	8	Pad, Wear	
11	1001165367	10	Plate, Spacer	
12	1001200989	AR	Plate, Shim	
13	1001269465	1	Bracket	
14	1001288131	1	Couduit	
15	1001288255	4	Clamp	
16	1001290009	1	Boom, Fly	
17	1001291256	2	Block, Wear Pad Spacer	
18	0100011	AR	Compound, Locking	

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FIGURE 2-6. HOSE PULLEY ASSEMBLY



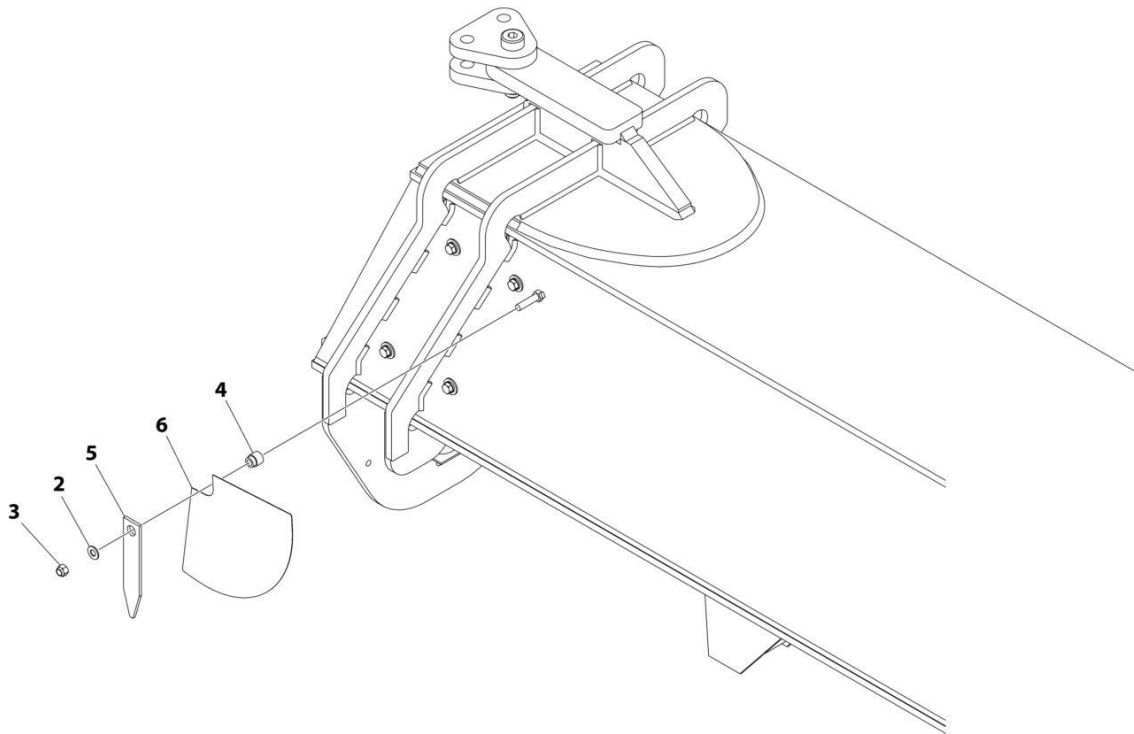
ART_1001267710

FIGURE 2-6. HOSE PULLEY ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267710	Ref	HOSE PULLEY ASSEMBLY	B
1	7116642	5	Divider	
2	7116691	10	Spacer	
3	7116812	4	Wheel, Roller	
4	8305644	1	Nut 1/2	
5	8305645	2	Nut 13/8	
6	8307112	1	Washer 1/2	
7	8307204	1	Washer 3/8	
8	8307206	4	Washer 1/2	
9	8310209	1	Screw 1/2 x 6	
10	8310235	1	Screw 1/2 x 3/8-6	
11	8310245	1	Screw 1/2 x 3/8-6	
12	1001267706	1	Plate	
13	1001267707	1	Bracket	

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FIGURE 2-7. BOOM ANGLE INDICATOR



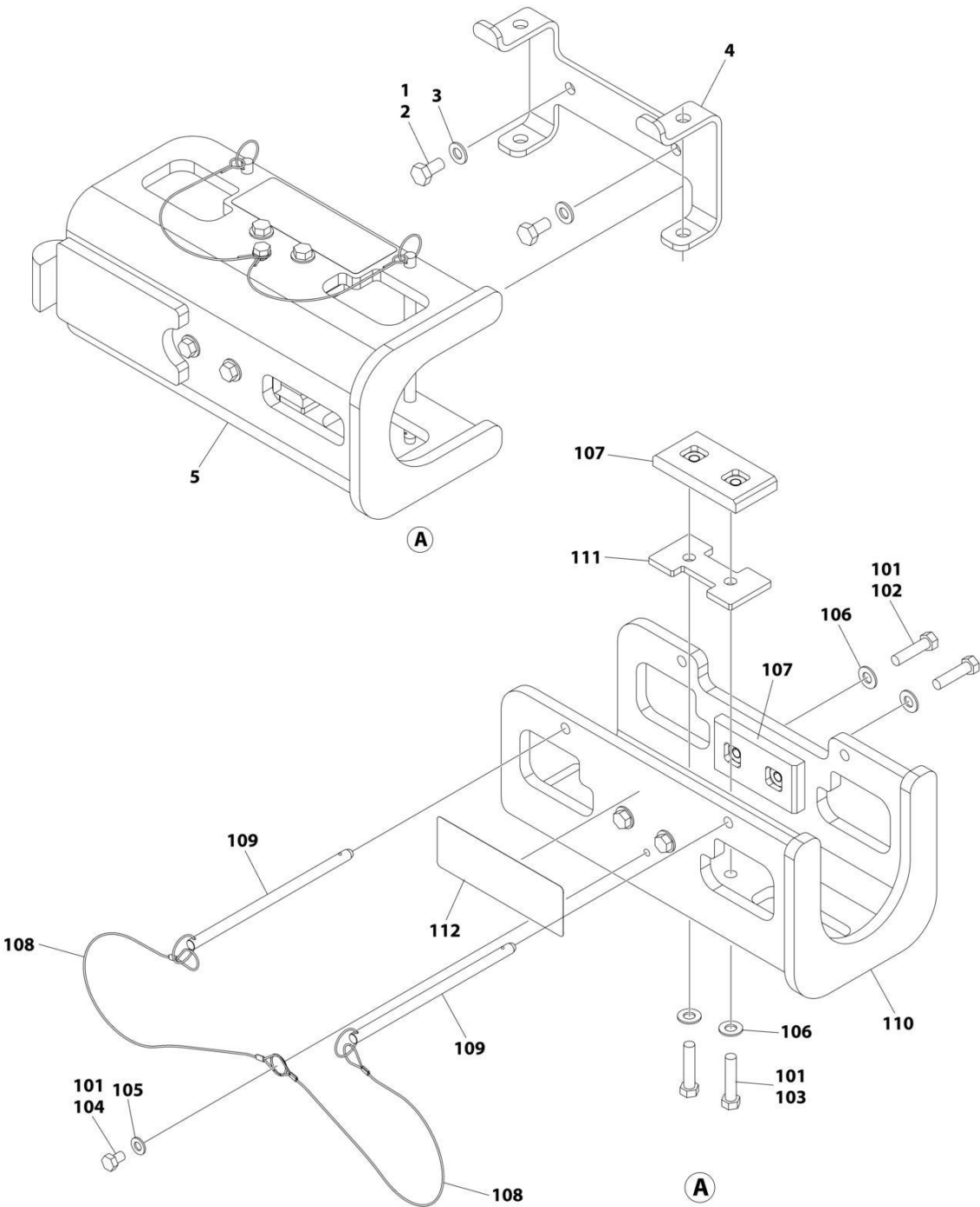
ART_1001242682_C

FIGURE 2-7. BOOM ANGLE INDICATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242682	Ref	Mechanical Boom Angle Indicator	C
2	4711600	1	Washer, 3/8	
3	8305645	1	Nut, Lock 3/8-16	
4	1001096404	1	Sleeve, Angle Indicator Spacer	
5	1001098769	1	Plate, Boom Angle Indicator	
6	4105262	1	Decal, Boom Angle Indicator	

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FIGURE 2-8. BOOM PROP INSTALLATION



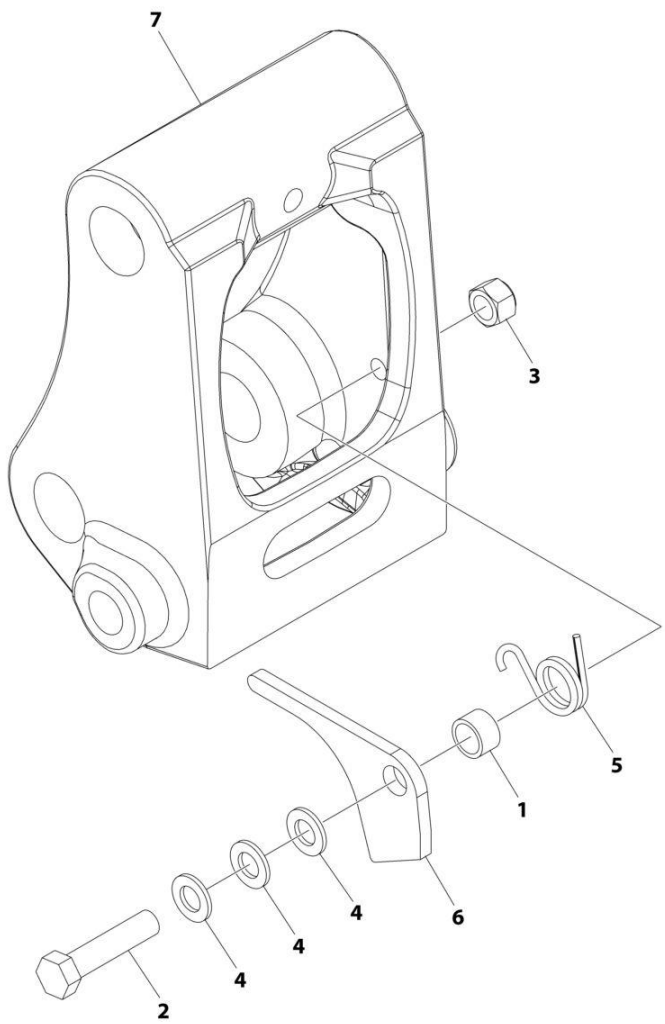
ART_1001292161

FIGURE 2-8. BOOM PROP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001292161	Ref	BOOM PROP INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0761010	2	Bolt M10 x 20	
3	4812000	2	Washer M10	
4	1001292145	1	Bracket	
5	1001292160	1	Prop Assembly (See Items 101-112 for Breakdown)	
	1001292160	Ref	PROP ASSEMBLY	C
101	0100011	AR	Compound, Locking	
102	0651607	4	Bolt 3/8 x 7/8	
103	0651610	2	Bolt 3/8 x 1-1/4	
104	0760806	1	Bolt M8 x 12	
105	4811902	1	Washer M8	
106	8307110	6	Washer 3/8	
107	91403530	3	Pad, Bearing	
108	1001302051	2	Lanyard, Boom Prop	
109	1001302050	2	Pin	
110	1001291917	1	Support, Boom Prop	
111	1001291922	1	Pad	
112	1001292163	1	Decal - Boom Prop	

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FIGURE 2-9. COUPLER ASSEMBLY



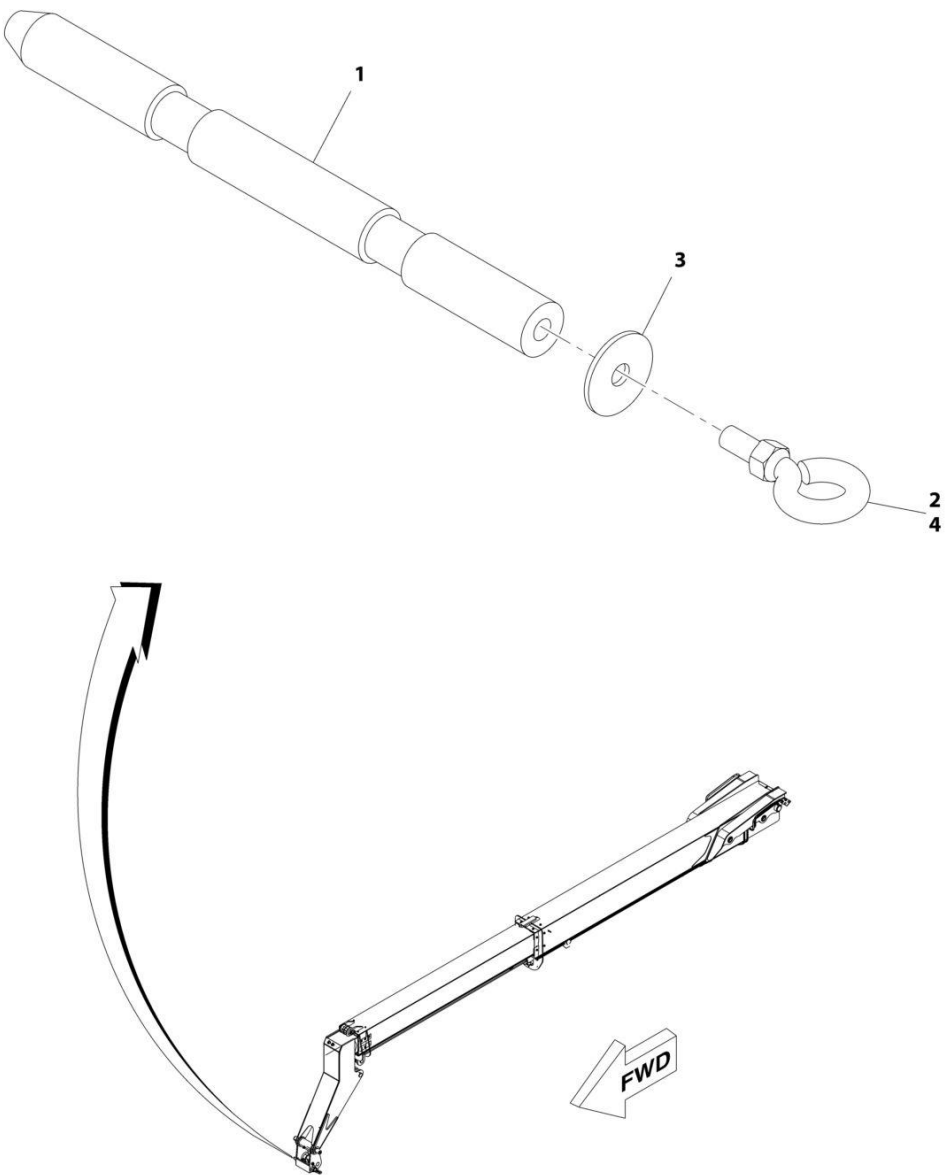
ART_1001242996_D

FIGURE 2-9. COUPLER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242996	Ref	COUPLER ASSEMBLY	D
1	7085571	1	Spacer	
2	0711824	1	Bolt	
3	3291805	1	Nut 3/4	
4	4812400	3	Washer 3/4	
5	1001243025	1	Spring, Torsion	
6	1001243026	1	Plate, Pin Latch	
7	1001310828	1	Coupler, Link	

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FIGURE 2-10. LOCK PIN ASSEMBLY



ART_7118892-B

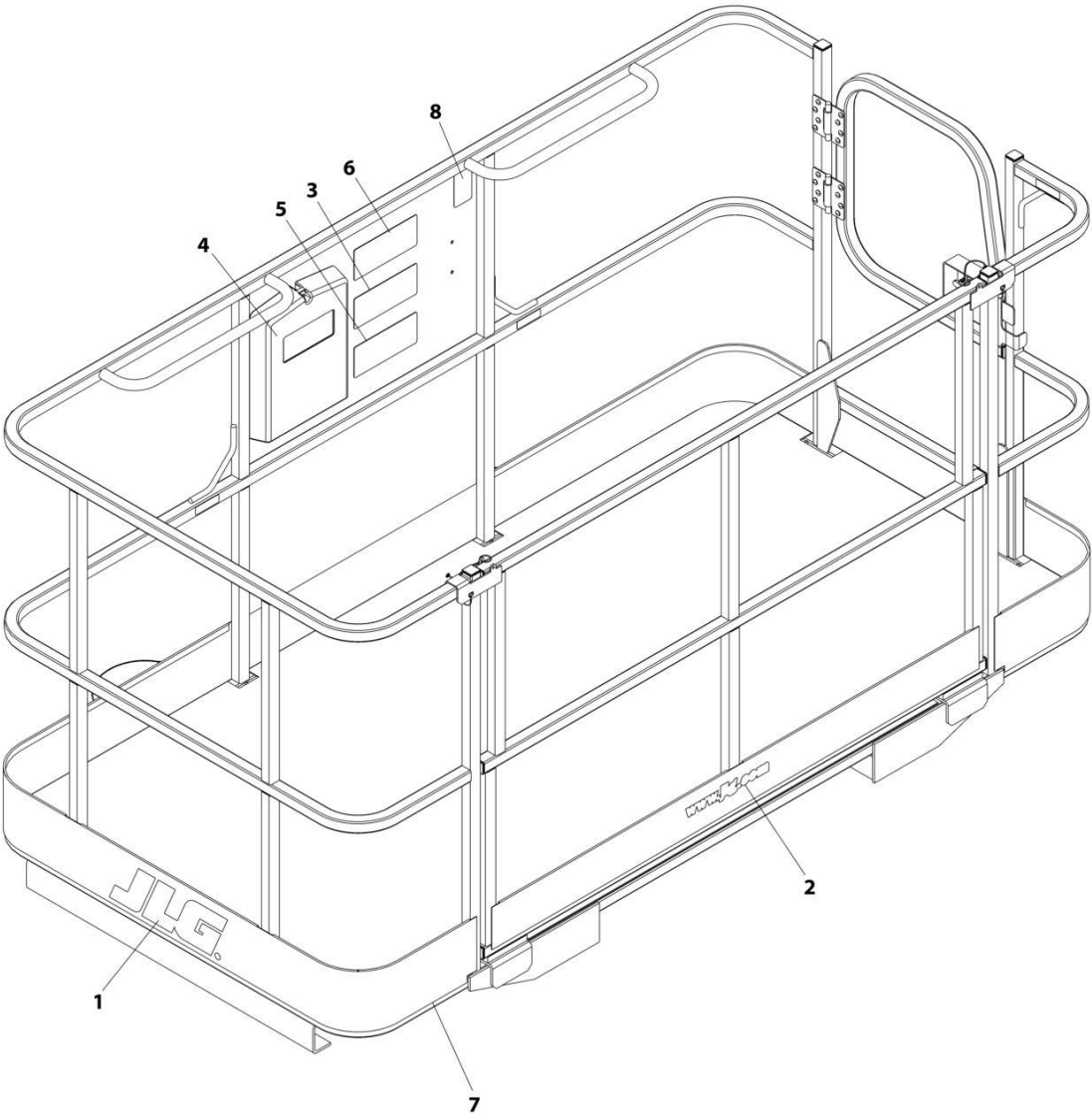
FIGURE 2-10. LOCK PIN ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7118892	Ref	Lock Pin Assembly	B
1	7118882	1	Pin	
2	8310266	2	Bolt, Eye 1/2-13X2	
3	8310276	3	Washer	
4	8526007	AR	Compound, Locking	

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FIGURE 3-1. BASKET, PERSONNEL (1.2MX2.4M) (DOMESTIC)



ART_1001238653-A

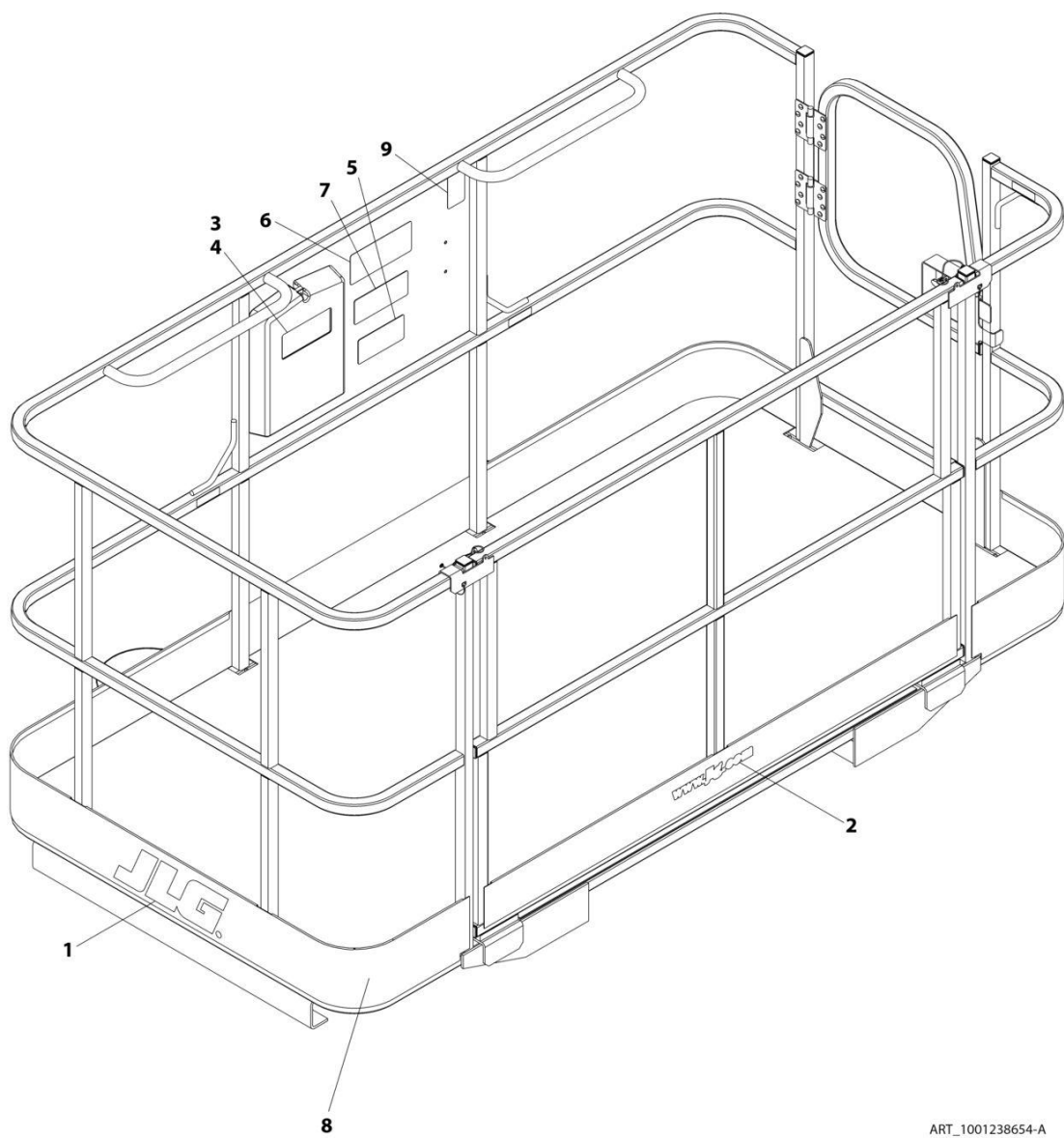
SECTION 3 - ATTACHMENTS

FIGURE 3-1. BASKET, PERSONNEL (1.2MX2.4M) (DOMESTIC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238653	Ref	FORK MOUNTED PLATFORM	B
1	1702773	2	Decal, JLG	
2	1704885	1	Decal, Website	
3	1706892	1	Decal, Platform Warning	
4	31200160	1	Manual, Personnel Work Platform Operation and Safety	
5	1001092481	1	Decal, Warning Attachment	
6	1001092482	1	Decal, Platform Capacity	
7	1001238565	1	Platform, Fork Mounted (See Separate Breakdown in this Section)	
8	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	

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FIGURE 3-2. BASKET, PERSONNEL (1.2MX2.4M) (ISO)



ART_1001238654-A

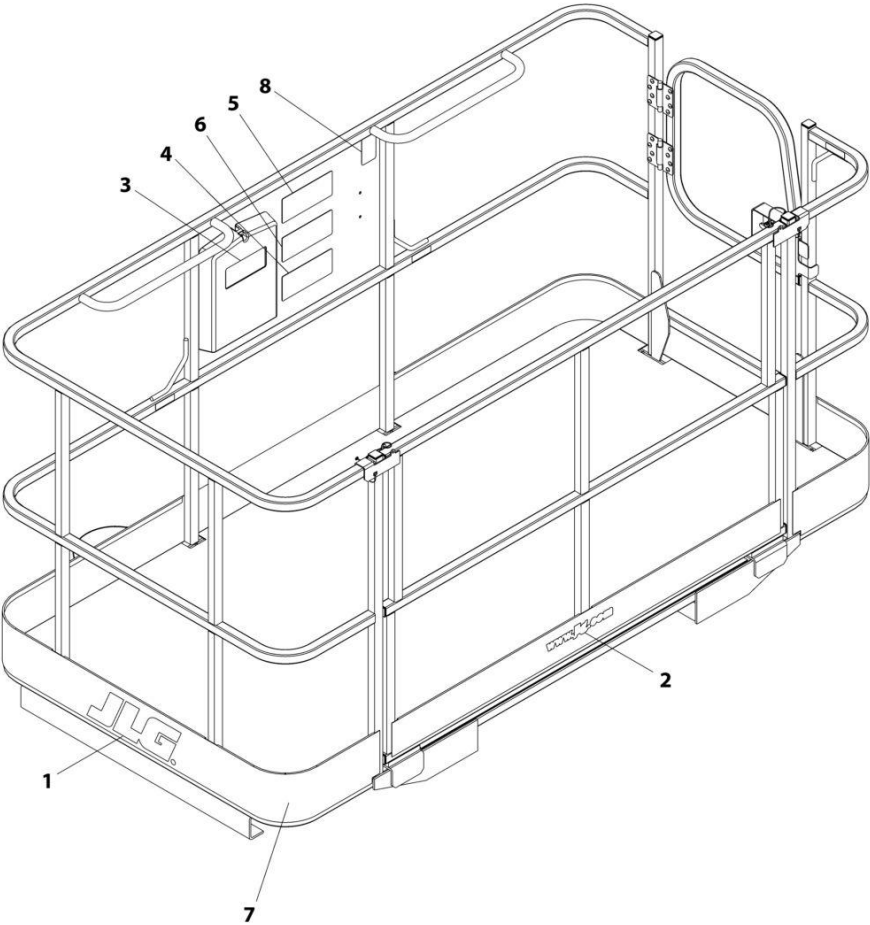
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FIGURE 3-2. BASKET, PERSONNEL (1.2MX2.4M) (ISO)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238654	Ref	BASKET, PERSONNEL	B
1	1702773	2	Decal, JLG	
2	1704885	1	Decal, Website	
3	31200387	1	Manual, Operation and Safety, Spanish	
4	31200388	1	Manual, Operation and Safety, Portuguese	
5	1001096021	1	Decal, Warning Attachment	
6	1001096023	1	Decal, Platform Capacity	
7	1001096025	1	Decal, Platform Warning	
8	1001238565	1	Platform, Fork Mounted (ANSI) (See Separate Breakdown in this Section)	
9	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	

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FIGURE 3-3. BASKET, PERSONNEL (1.2MX2.4M) (FRENCH LANGUAGE)



ART_1001238655-A

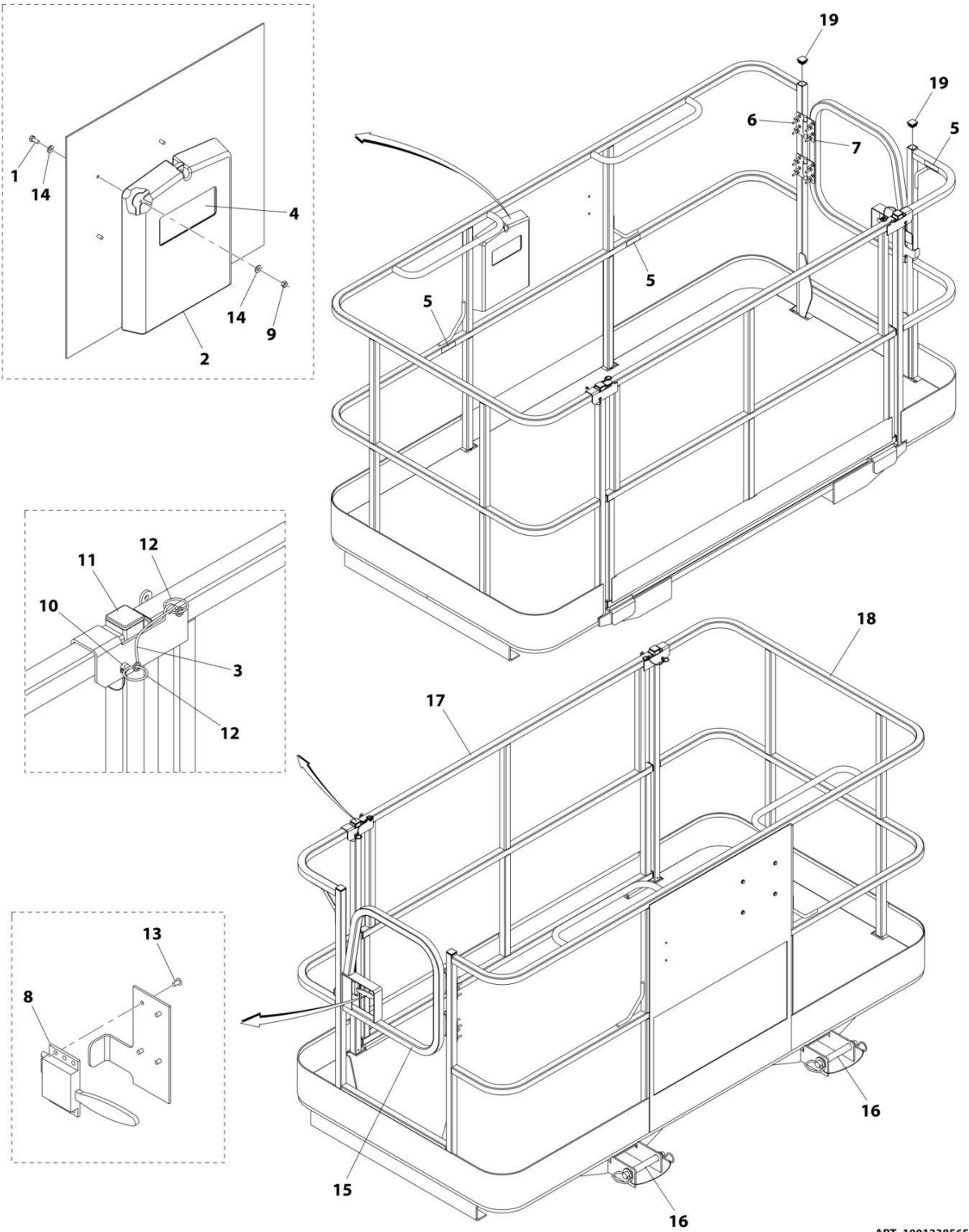
SECTION 3 - ATTACHMENTS

FIGURE 3-3. BASKET, PERSONNEL (1.2MX2.4M) (FRENCH LANGUAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238655	Ref	BASKET, PERSONNEL	B
1	1702773	2	Decal, JLG	
2	1704885	1	Decal, Website	
3	31200386	1	Manual, Operation and Safety (French)	
4	1001096019	1	Decal, Warning Attachment (French)	
5	1001096020	1	Decal, Platform Capacity (French)	
6	1001096024	1	Decal, Platform Warning (French)	
7	1001238565	1	Platform, Fork Mounted (ANSI) (See Separate Breakdown in this Section)	
8	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	

SECTION 3 - ATTACHMENTS

FIGURE 3-4. BASKET, PERSONNEL ASSEMBLY



ART_1001238565

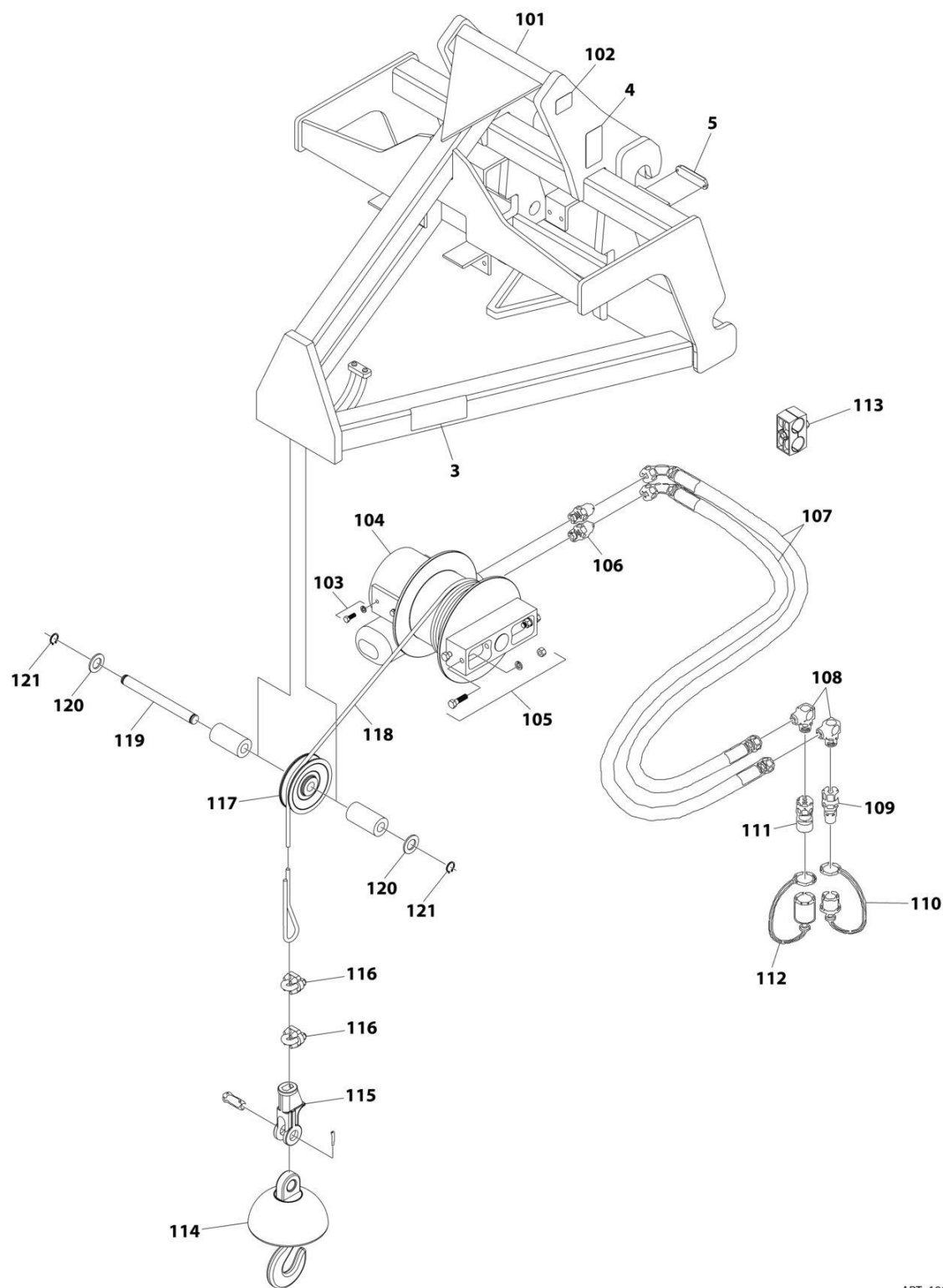
SECTION 3 - ATTACHMENTS

FIGURE 3-4. BASKET, PERSONNEL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238565	Ref	FORK MOUNTED PLATFORM ASSEMBLY	G
1	0641405	4	Bolt 1/4 x 5/8	
2	0860520	1	Box, Manual Storage	
3	1060379	2	Cable, Lanyard	
4	1701509	1	Decal, Manual	
5	1704277	3	Decal, Lanyard Attach	
6	2080040	16	Fastener	
7	2600281	2	Hinge	
8	2940074	1	Latch	
9	3311405	4	Nut 1/4	
10	3421453	2	Pin	
11	3520072	7	Plug	
12	3760170	4	Ring	
13	3820020	4	Rivet	
14	4711400	8	Washer 1/4	
15	1001144629J	1	Gate	
16	1001238560	2	Pin, Hitch	
17	1001095810	1	Gate	
18	See Note	NSS	Platform, Fork Mounted	
19	3520198	4	Plug	

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FIGURE 3-5. BOOM - 3 FOOT WITH WINCH



ART_1001100967_I

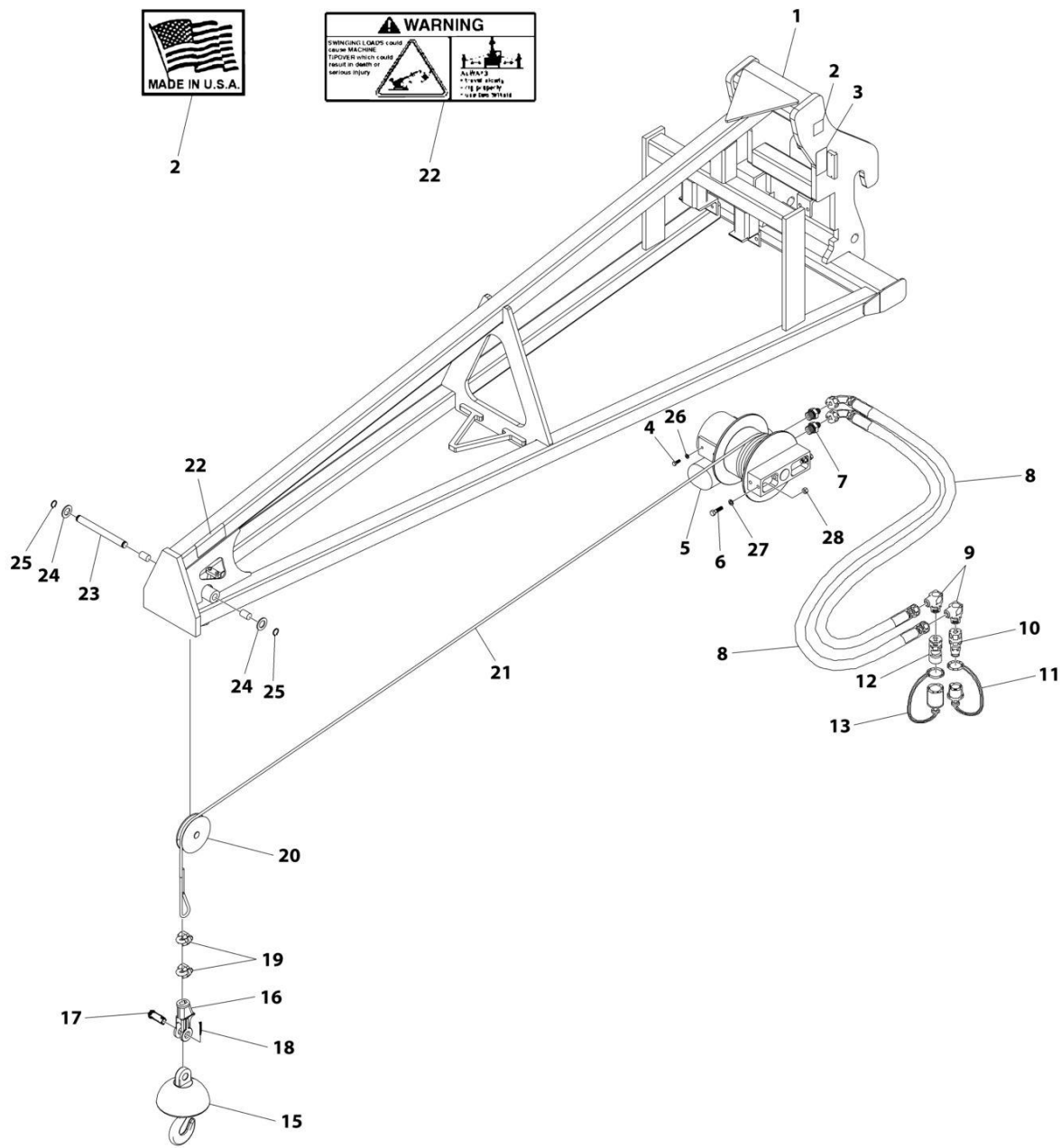
SECTION 3 - ATTACHMENTS

FIGURE 3-5. BOOM - 3 FOOT WITH WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100967	Ref	TRUSS BOOM ASSEMBLY (3 FOOT WITH WINCH) (INCLUDES ITEMS 3, 4, 5 & 101 THRU 121)	I
3	4110422	2	Decal, Danger, Swinging Loads	
4	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	
5	1001227670	1	Tag, RFID	
101	See Note	NSS	Truss Boom Frame (Note: Purchase Complete Assembly)	
102	90554016	1	Decal	
103	70021349	4	Bolt	
103	90554042	4	Washer	
104	70021921	1	Winch, Truss Boom	
105	70024059	4	Bolt	
105	90554054	4	Nut	
105	90554020	4	Washer	
106	70021415	2	Fitting	
107	70021977	2	Hose 32in (Boom Front Disconnect)	
107	70031445	2	Hose 48in (Boom Side Disconnect)	
108	70022527	2	Fitting, 90	
109	91403414	1	Fitting, Straight	
110	8420053	1	Cap	
111	91403413	1	Fitting, Straight	
112	8420055	1	Plug	
113	70021387	1	Clamp	
114	70021978	1	Ball Swivel Safety Hook	
115	70021979	1	Assembly, Socket	
116	70022528	2	Clamp	
117	70021935	1	Pulley	
118	70022028	1	Cable	
119	70022529	1	Pin	
120	70027009	2	Washer	
121	70026698	2	Ring, Snap	

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FIGURE 3-6. BOOM - 12 FOOT WITH WINCH



ART_1001099351

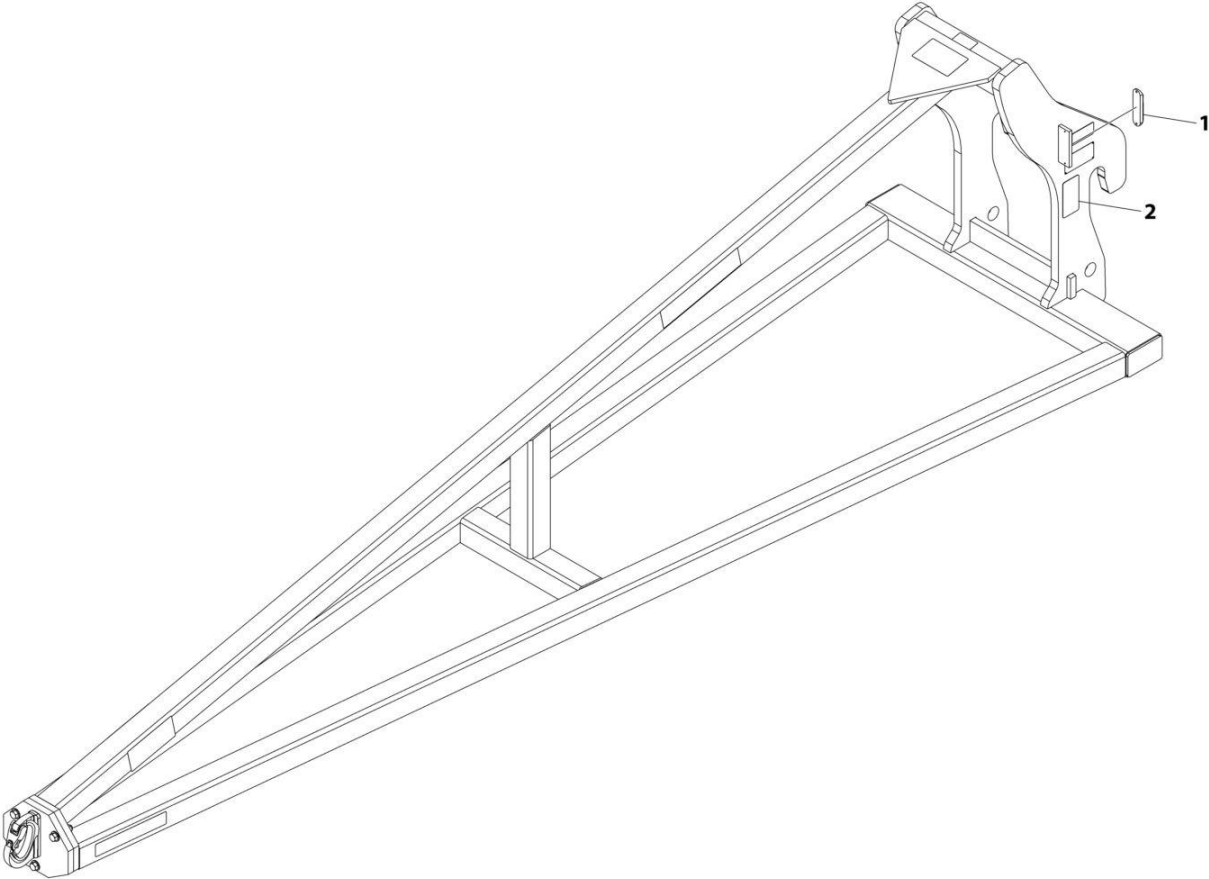
SECTION 3 - ATTACHMENTS

FIGURE 3-6. BOOM - 12 FOOT WITH WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099351	Ref	TRUSS BOOM (0.9 TON - 3.7M WITH WINCH)	L
1	See Note	NSS	Frame, Truss Boom (Note: Purchase Complete Assembly)	
2	90554016	1	Decal, Made in USA	
	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	
4	70021349	4	Bolt 3/8 x 1	
5	70021921	1	Motor, Truss Boom Winch	
6	70024059	2	Bolt 1/2 x 1-3/4	
7	70021415	2	Connector	
8	70021977	2	Hose 32in (Boom Front Disconnect)	
8	70031445	2	Hose 48in (Boom Side Disconnect)	
9	70022527	2	Fitting, 90	
10	7029692	1	Fitting, Straight	
11	90554062	1	Cap, Dust	
12	70021342	1	Fitting, Straight	
13	90554076	1	Cap, Dust	
15	70021978	1	Ball Swivel with Safety Hook	
16	70021979	1	Assembly, Socket (includes items 17 thru 18)	
17	See Note	NSS	Pin (Note: Use Item 16)	
18	See Note	NSS	Pin, Cotter (Note: Use Item 16)	
19	70022528	2	Clamp	
20	70021935	1	Pulley	
21	70022028	1	Cable	
22	4110422	2	Decal, Warning Swinging Loads	
23	70022529	1	Pin	
24	70024060	2	Washer	
25	70026698	2	Ring, Snap	
26	90554042	4	Washer 3/8	
27	90554020	2	Washer 1/2	
28	90554054	2	Nut 1/2	

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FIGURE 3-7. BOOM - 12FT WITHOUT WINCH



ART_1001311054

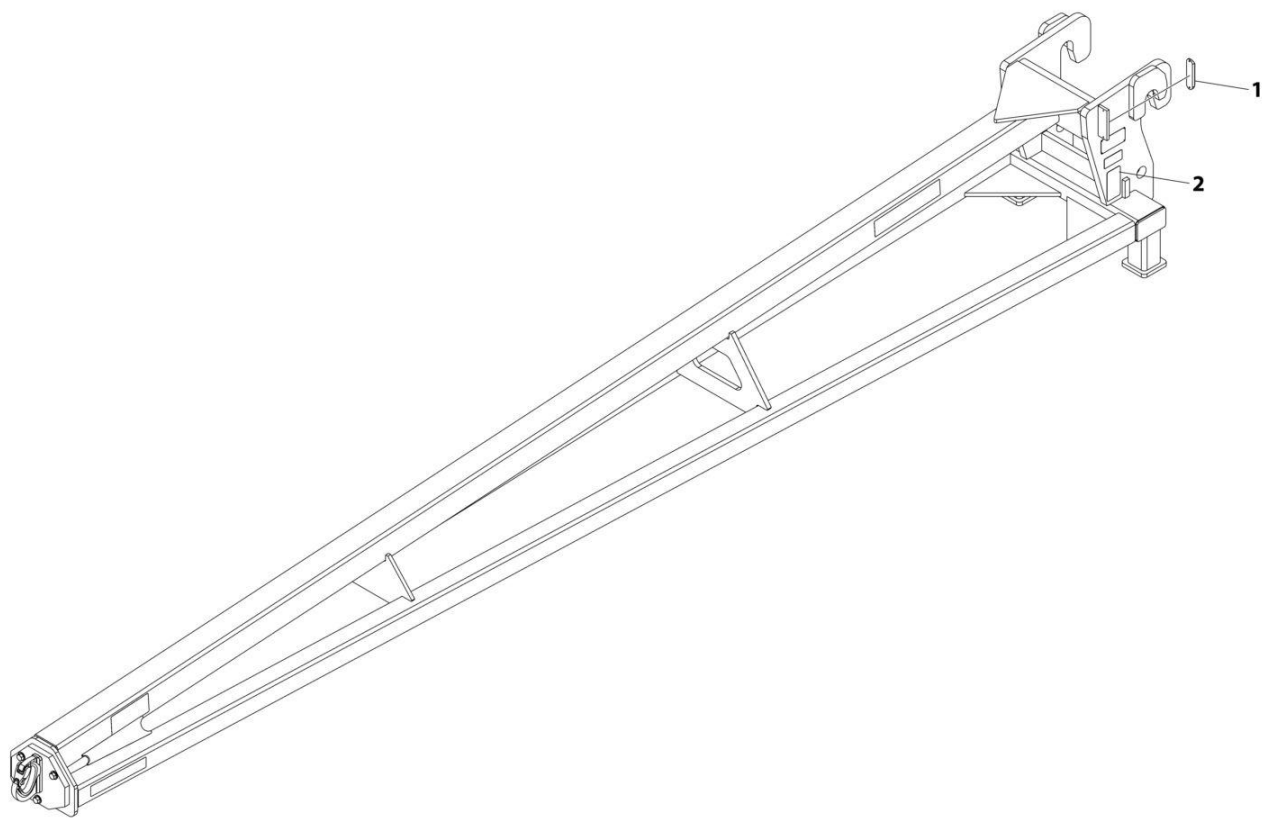
SECTION 3 - ATTACHMENTS

FIGURE 3-7. BOOM - 12FT WITHOUT WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001311054	Ref	BOOM - 12FT WITHOUT WINCH	B
	1001227670	1	Tag, RFID	
	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	

SECTION 3 - ATTACHMENTS

FIGURE 3-8. BOOM - 15FT WITHOUT WINCH



ART_1001311056

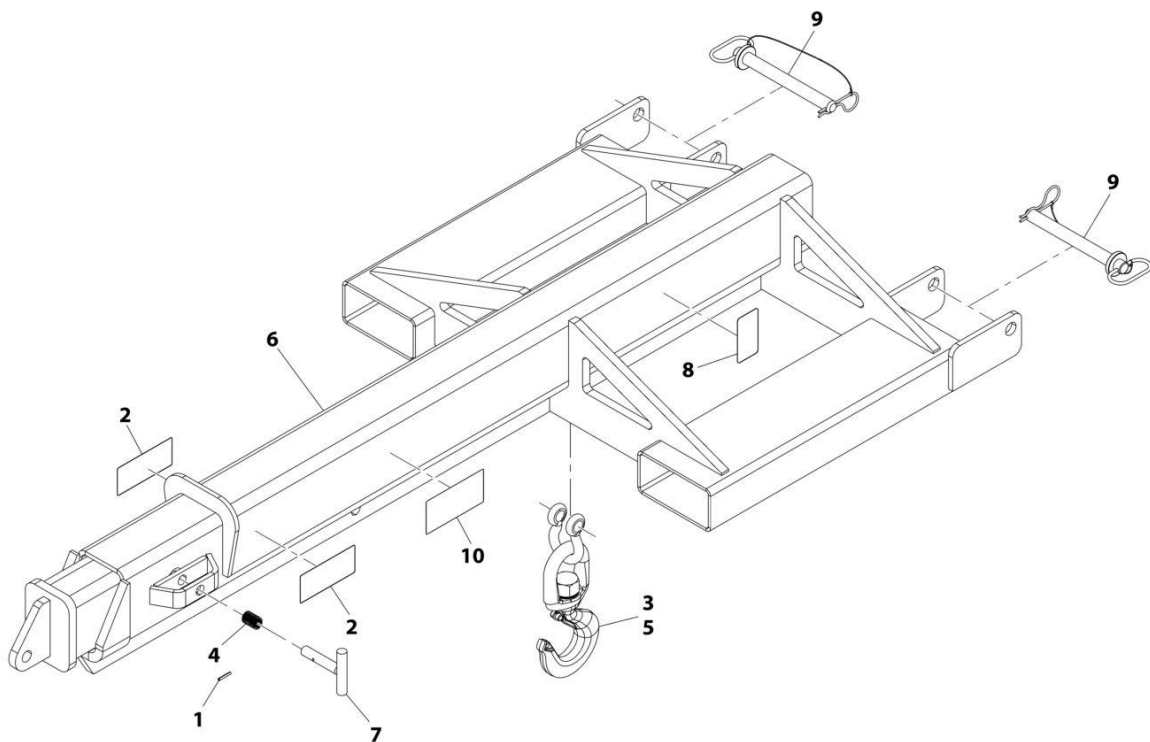
SECTION 3 - ATTACHMENTS

FIGURE 3-8. BOOM - 15FT WITHOUT WINCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001311056	Ref	BOOM - 15FT WITHOUT WINCH	B
	1001227670	1	Tag, RFID	
	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	

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FIGURE 3-9. BOOM - ADJUSTABLE (FORK MOUNTED)



ART_1001230241-H

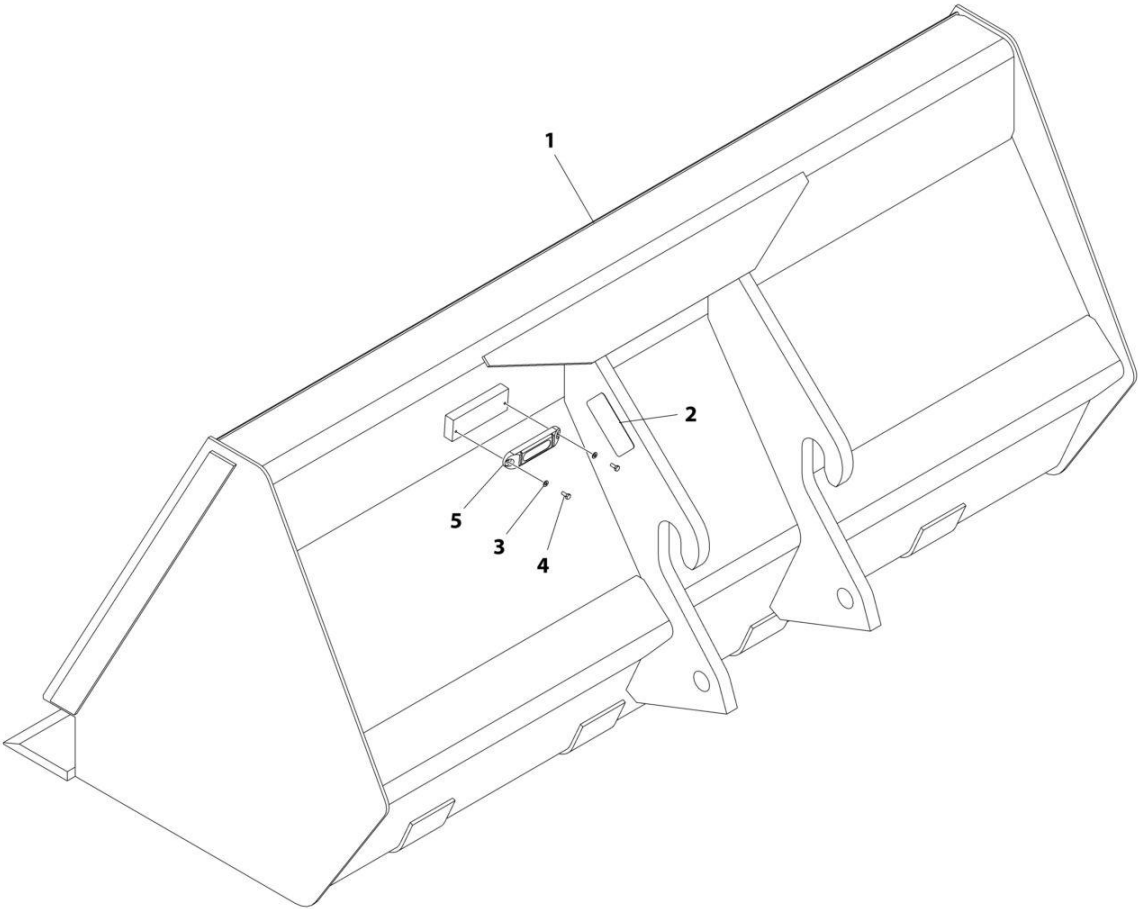
SECTION 3 - ATTACHMENTS

FIGURE 3-9. BOOM - ADJUSTABLE (FORK MOUNTED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230241	Ref	Adjustable Truss Boom Installation (Fork Mounted)	K
1	3440620	1	Pin	
2	4110422	2	Decal, Danger Swinging Loads	
3	91403448	1	Hook, Swivel	
4	1001128890	1	Spring	
5	1001146160	1	Shackle	
6	See Note	NSS	Boom, Truss - Adjustable (Note: Purchase Complete Assembly)	
7	1001230239	1	Pin	
8	See Note	NSS	SN Plate (Note:Stamped Part - Not Available for Purchase)	
9	1001231692	2	Pin	
10	1001232500	1	Decal, Load Capacities	

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FIGURE 3-10. BUCKET (72 INCH)



ART_1001100822_J

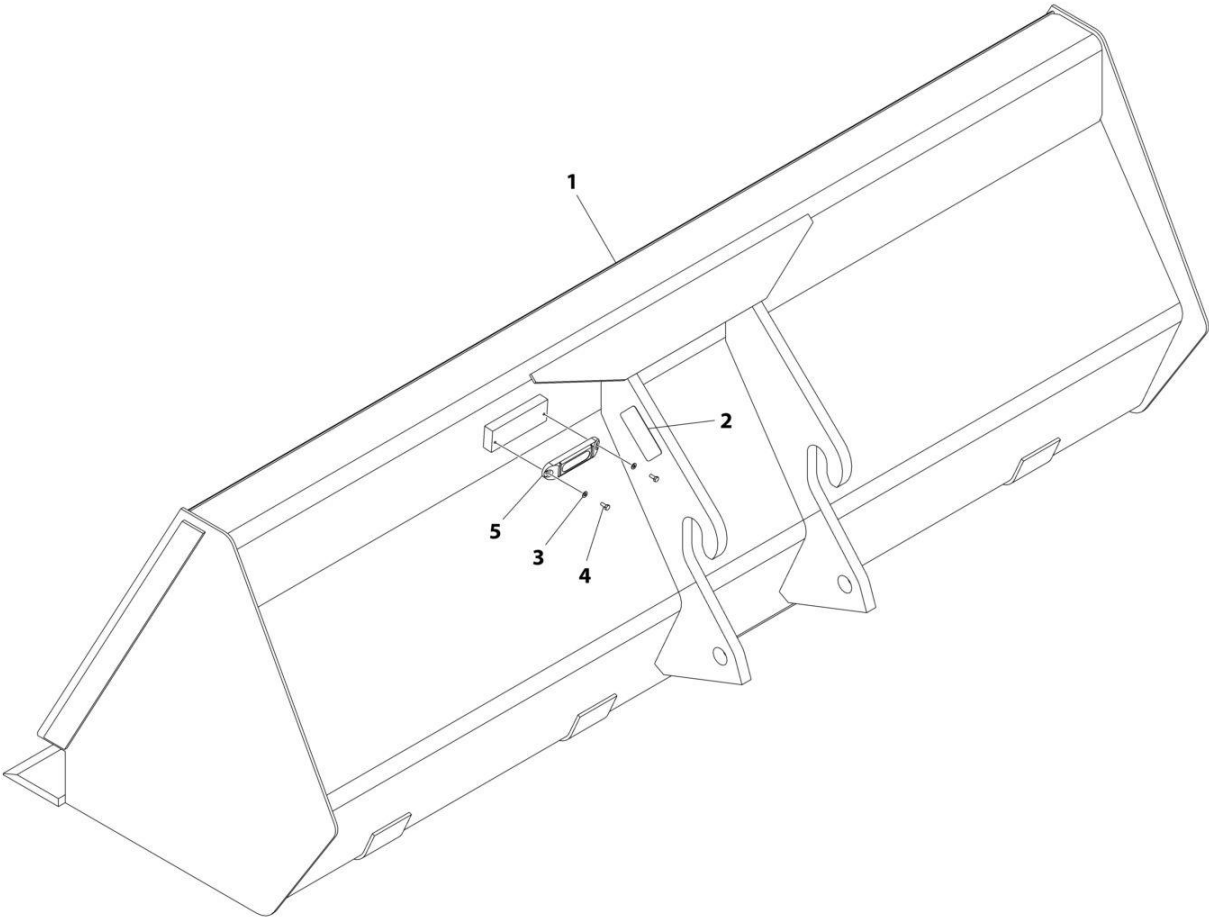
SECTION 3 - ATTACHMENTS

FIGURE 3-10. BUCKET (72 INCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100822	Ref	BUCKET 1.0 YD³ (ANSI - JLG)	J
1	1001100265	1	Bucket Weldment	
2	See Note	NSS	SN Plate (Note:Stamped Part - Not Available for Purchase)	
3	4811400	2	Washer M4	
4	0760405	2	Bolt M4 x 10	
5	1001227670	1	Tag, RFID	

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FIGURE 3-11. BUCKET (96 INCH)



ART_1001100823_J

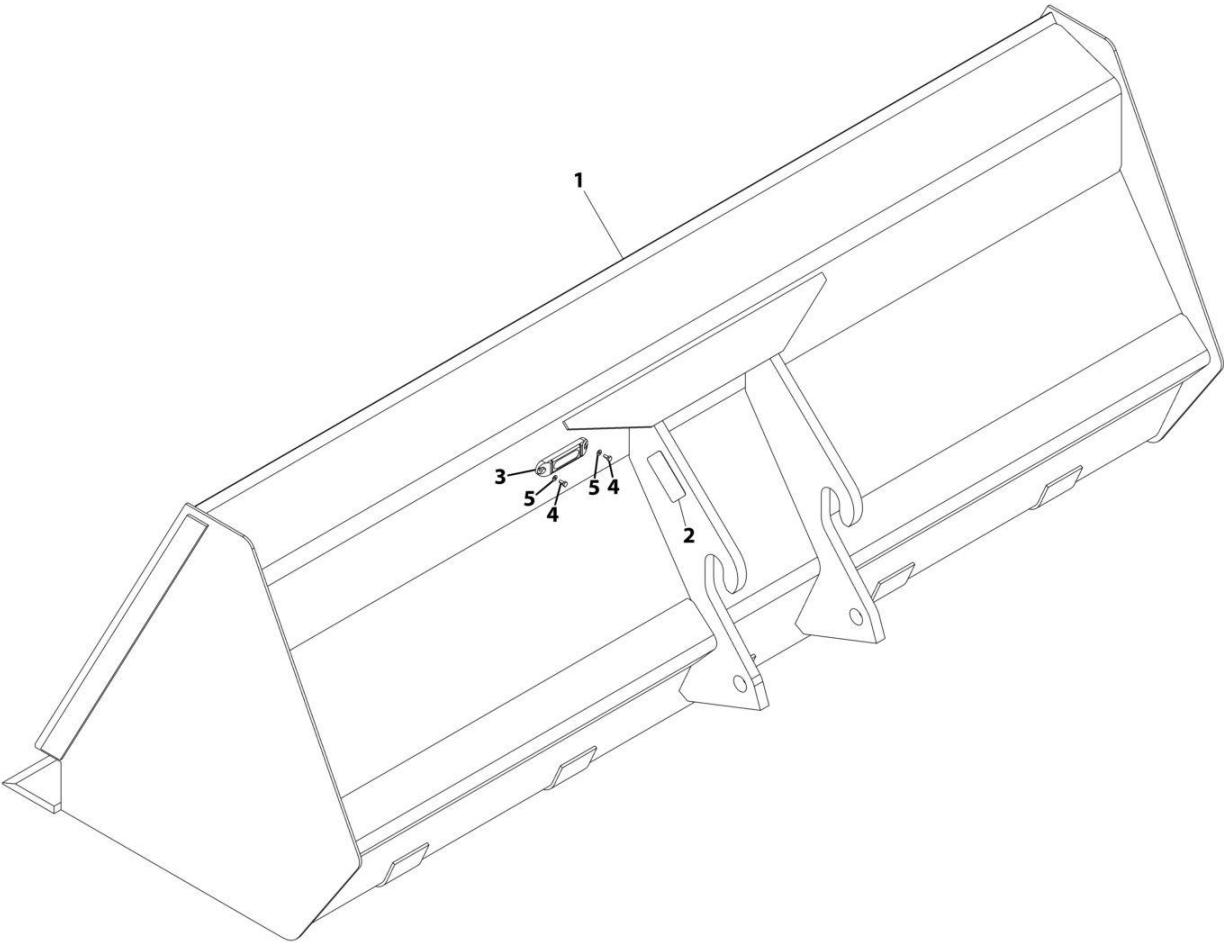
SECTION 3 - ATTACHMENTS

FIGURE 3-11. BUCKET (96 INCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100823	Ref	BUCKET (1.15 M ³)	J
1	1001100266	1	Bucket	
2	See Note	NSS	SN Plate (Note:Stamped Part - Not Available for Purchase)	
3	4811400	2	Washer M4	
4	0760405	2	Bolt M4 x 10	
5	1001227670	1	Tag, RFID	

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FIGURE 3-12. BUCKET (102 INCH)



ART_1001100824

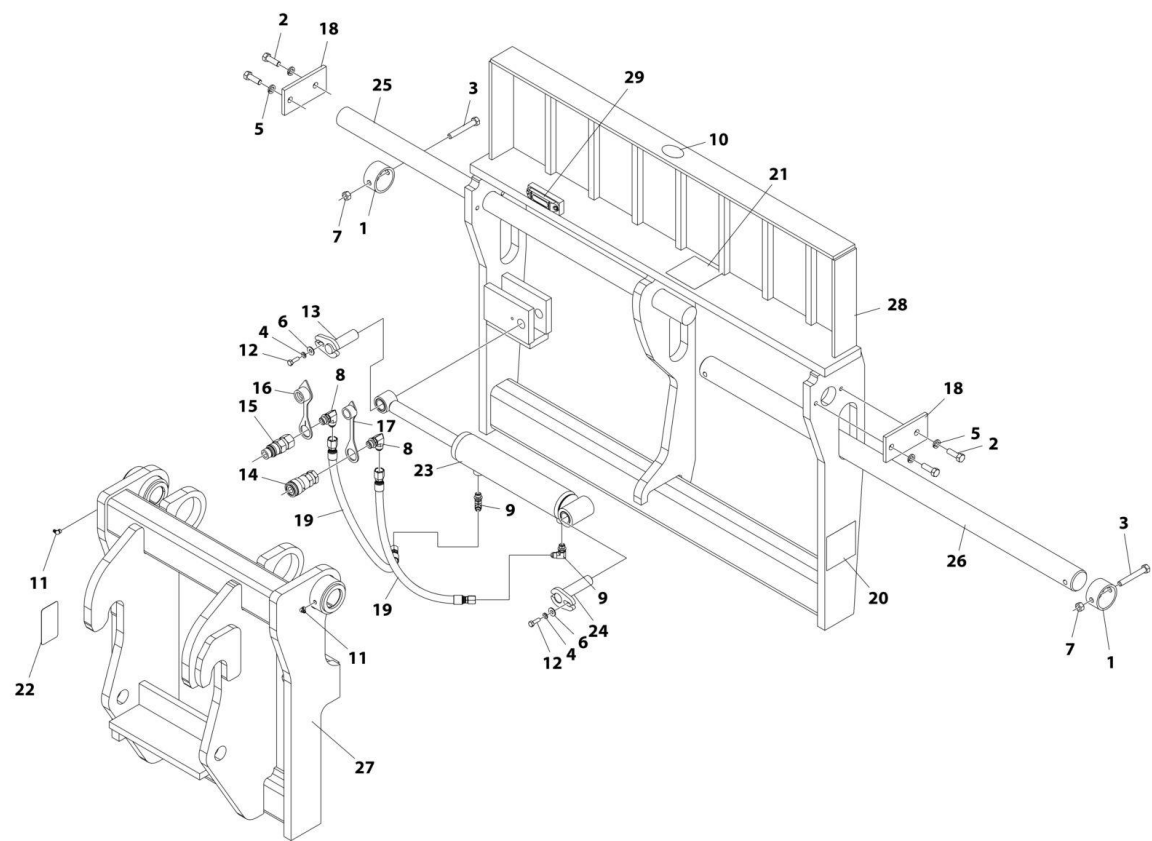
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FIGURE 3-12. BUCKET (102 INCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001100824	Ref	Bucket (102 Inch)	I
1	1001100267	NLA	Bucket (Note: Purchase PN 1001100824)	
2	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	
3	1001227670	1	Tag, RFID	
4	0760405	2	Bolt M4 x 10	
5	4811400	2	Washer M4	

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FIGURE 3-13. CARRIAGE ASSEMBLY - 48IN SIDE SHIFT



ART_1001242644_D

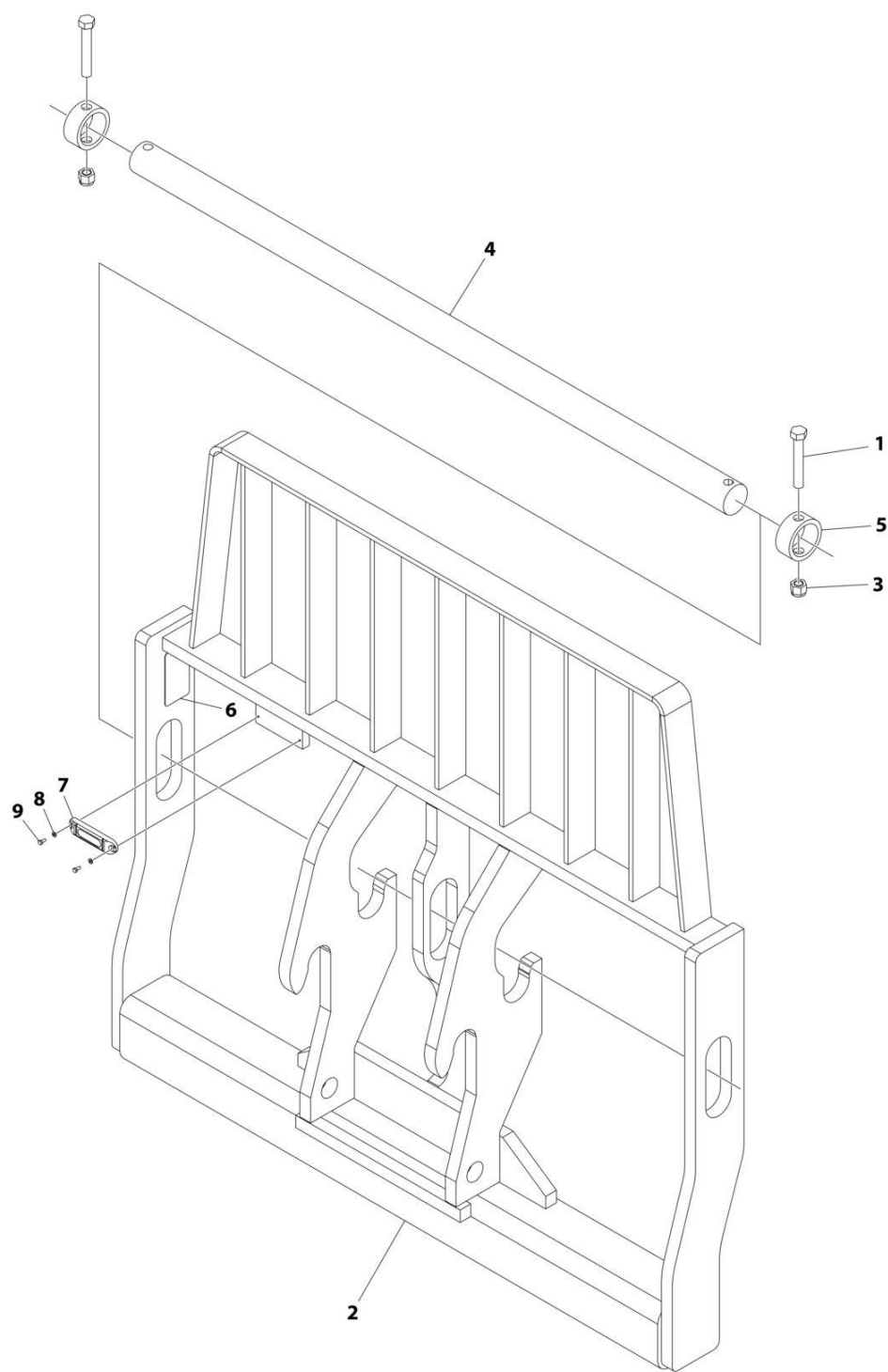
SECTION 3 - ATTACHMENTS

FIGURE 3-13. CARRIAGE ASSEMBLY - 48IN SIDE SHIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242644	Ref	SIDE SHIFT CARRIAGE ASSEMBLY (48 INCH)	D
1	70020028	2	Bushing	
2	70021382	4	Bolt 1/2 x 1-1/2	
3	70020002	2	Bolt 1/2 x 4	
4	90554067	2	Washer 5/16	
5	90554020	4	Washer 1/2	
6	70021379	2	Washer	
7	70027642	2	Washer	
8	70030141	2	Elbow	
9	90554065	2	Elbow 90	
10	90554016	1	Decal - Made in USA	
11	70021389	2	Fitting 90	
12	70021378	2	Capscrew	
13	70021351	1	Pin	
14	91403413	1	Adapter	
15	91403414	1	Adapter	
16	8420053	1	Cap, Dust	
17	8420055	1	Plug, Dust	
18	70030142	2	Plate	
19	70030143	2	Hose 30in (Boom Front Disconnect)	
19	70031444	2	Hose 55in (Boom Side Disconnect)	
20	90554017	2	Decal - Danger Pinch Point	
21	7029711	1	Decal - High Pressure	
22	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
23	70021376	1	Cylinder Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
24	70021377	1	Pin	
25	70030144	1	Pin	
26	70030145	1	Pin	
27	See Note	NSS	Frame - Rear (Note: Purchase Complete Assembly)	
28	See Note	NSS	Frame - Front (Note: Purchase Complete Assembly)	
29	1001227670	1	Tag, RFID	

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FIGURE 3-14. CARRIAGE ASSEMBLY - 50IN



ART_1170021_J

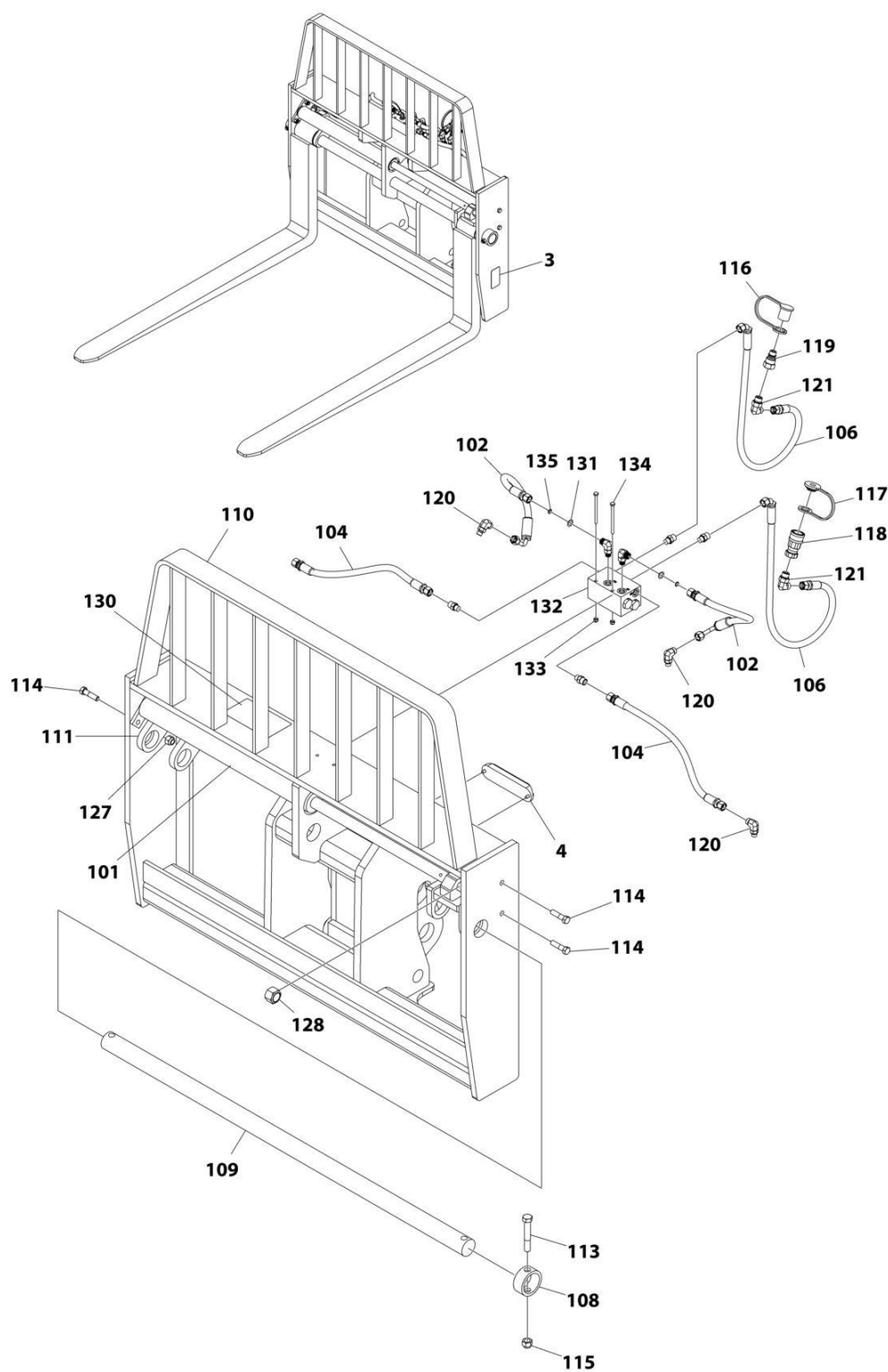
SECTION 3 - ATTACHMENTS

FIGURE 3-14. CARRIAGE ASSEMBLY - 50IN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170021	Ref	CARRIAGE ASSEMBLY (50 INCH)	J
1	0642032	2	Bolt 5/8-11 x 4	
2	See Note	NSS	Carriage (Note: Purchase Complete Assembly)	
3	3300240	2	Nut 5/8-11	
4	3423275	1	Pin, Fork	
5	90200003	2	Collar, Fork Pin	
6	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
7	1001227670	1	Tag, RFID	
8	4811400	2	Washer M4	
9	0760405	2	Bolt M4 x 10	

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FIGURE 3-15. CARRIAGE ASSEMBLY - 50IN DUAL FORK POSITIONING



ART_7301295_N

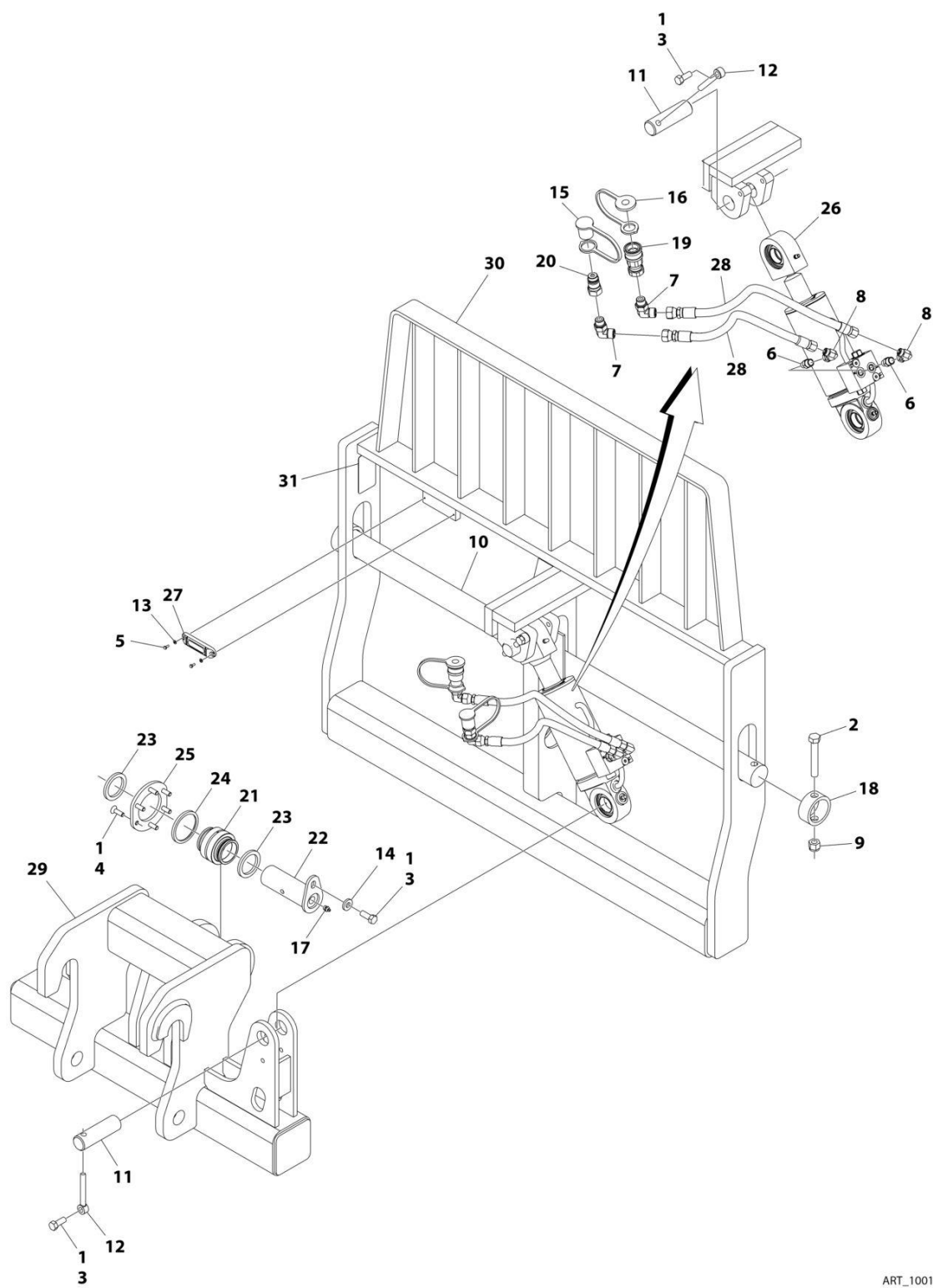
SECTION 3 - ATTACHMENTS

FIGURE 3-15. CARRIAGE ASSEMBLY - 50IN DUAL FORK POSITIONING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7301295	Ref	FORK POSITIONING CARRIAGE WITH FORKS (4.5 TON)	N
3	N.S.S.	1	S/N Plate	
4	1001227670	1	Tag, RFID	
101	2717283	2	Cylinder, Fork Positioning (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
102	2717160	2	Hose	
104	2717161	2	Hose	
106	2717162	2	Hose 36in (Boom Front Disconnect)	
106	70031443	2	Hose 44in (Boom Side Disconnect)	
108	90200003	2	Collar, Fork Pin	
109	90451058	1	Shaft, Fork	
110	N.S.S.	1	Weldment, Carriage	
111	N.S.S.	1	Weldment, Fork Adapter	
113	8303634	2	Bolt 5/8 x 4	
114	8303658	4	Bolt 1/2 x 2	
115	8305643	2	Nut 5/8	
116	8420053	1	Cap, Dust	
117	8420055	1	Plug, Dust	
118	91403413	1	Adapter, Quick Disconnect	
119	91403414	1	Adapter, Quick Disconnect	
120	2130606	4	Adapter, 90 Straight	
121	2130608	2	Adapter, 90 Straight	
127	8310302	4	Nut 1/2	
128	10705034	2	Nut 1	
130	4110473	1	Decal, Warning Route Hoses	
131	7139918	2	Disk, Orifice	
132	4641502	1	Assembly, Dual Fork Carriage Valve (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
133	8305624	2	Nut 1/4	
134	8310435	2	Bolt 1/4 x 3-3/4	
135	8630003	2	O-Ring	

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FIGURE 3-16. CARRIAGE ASSEMBLY - 50IN/12000# CAPICITY SIDE TILT



ART_1001277290

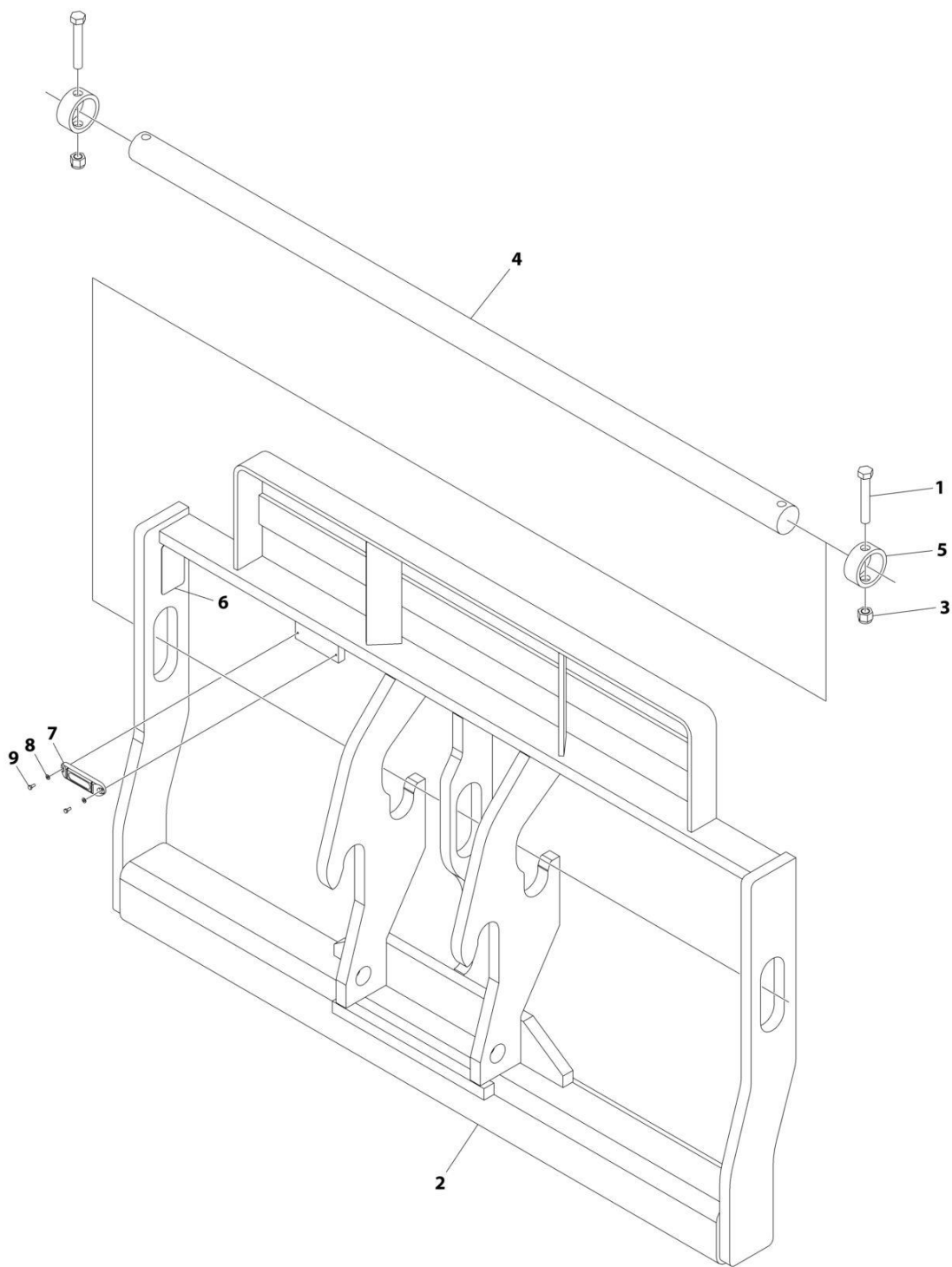
SECTION 3 - ATTACHMENTS

FIGURE 3-16. CARRIAGE ASSEMBLY - 50IN/12000# CAPICITY SIDE TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277290	Ref	SIDE TILT CARRIAGE ASSEMBLY (50 INCH)	A
1	0100011	AR	Compound, Locking	
2	0642032	2	Bolt 5/8 x 4	
3	0681810	3	Bolt 1/2 x 1-1/4	
4	0741610	6	Screw 3/8 x 1-1/4	
5	0760405	2	Bolt M4 x 10	
6	2110606	2	Fitting, Straight ORFS	
7	2130808	2	Fitting, 90 ORFS	
8	2172106	2	Fitting, 90 ORFS	
9	3300240	2	Nut 5/8	
10	3423275	1	Pin	
11	3423307	2	Pin	
12	3841203	2	Keeper	
13	4811400	2	Washer M4	
14	4891800	1	Washer	
15	8420053	1	Cap	
16	8420055	1	Plug	
17	88671001	1	Fitting, Grease	
18	90200003	2	Collar	
19	91403413	1	Fitting, Straight	
20	91403414	1	Fitting, Straight	
21	1001090140	1	Bearing	
22	1001099113	1	Pin	
23	1001099115	2	Sleeve	
24	1001120914	1	Shim	
25	1001120915	1	Plate	
26	1001163414	1	Cylinder, Side Tilt (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
27	1001227670	1	Tag, RFID	
28	1001239734	2	Hose	
29	See Note	NSS	Carriage, Base Plate (Note: Purchase Complete Assembly)	
30	See Note	NSS	Carriage (Note: Purchase Complete Assembly)	
31	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	

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FIGURE 3-17. CARRIAGE ASSEMBLY - 60IN



ART_1170024_J

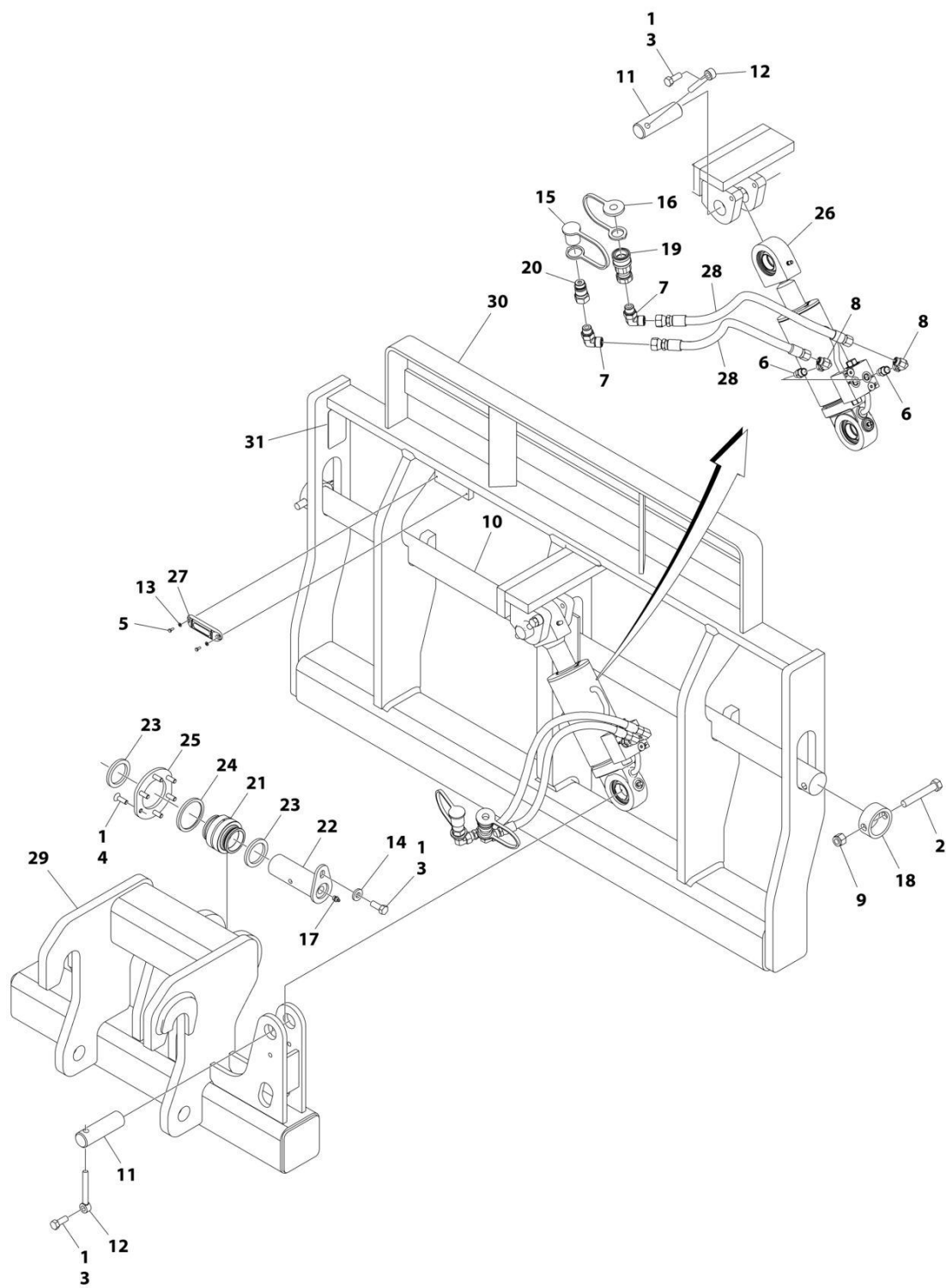
SECTION 3 - ATTACHMENTS

FIGURE 3-17. CARRIAGE ASSEMBLY - 60IN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1170024	Ref	CARRIAGE ASSEMBLY (1524 MM)	J
1	0642032	2	Bolt 5/8 x 4	
2	See Note	NSS	Carriage (Note: Purchase Complete Assembly)	
3	3300240	2	Nut 5/8	
4	3423242	1	Pin	
5	90200003	2	Sleeve	
6	See Note	NSS	SN Plate (Note:Stamped Part - Not Available for Purchase)	
7	1001227670	1	Tag, RFID	
8	4811400	2	Washer M4	
9	0760405	2	Bolt M4 x 10	

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FIGURE 3-18. CARRIAGE ASSEMBLY - 60IN/12000# CAPACITY SIDE TILT



ART_1001277338

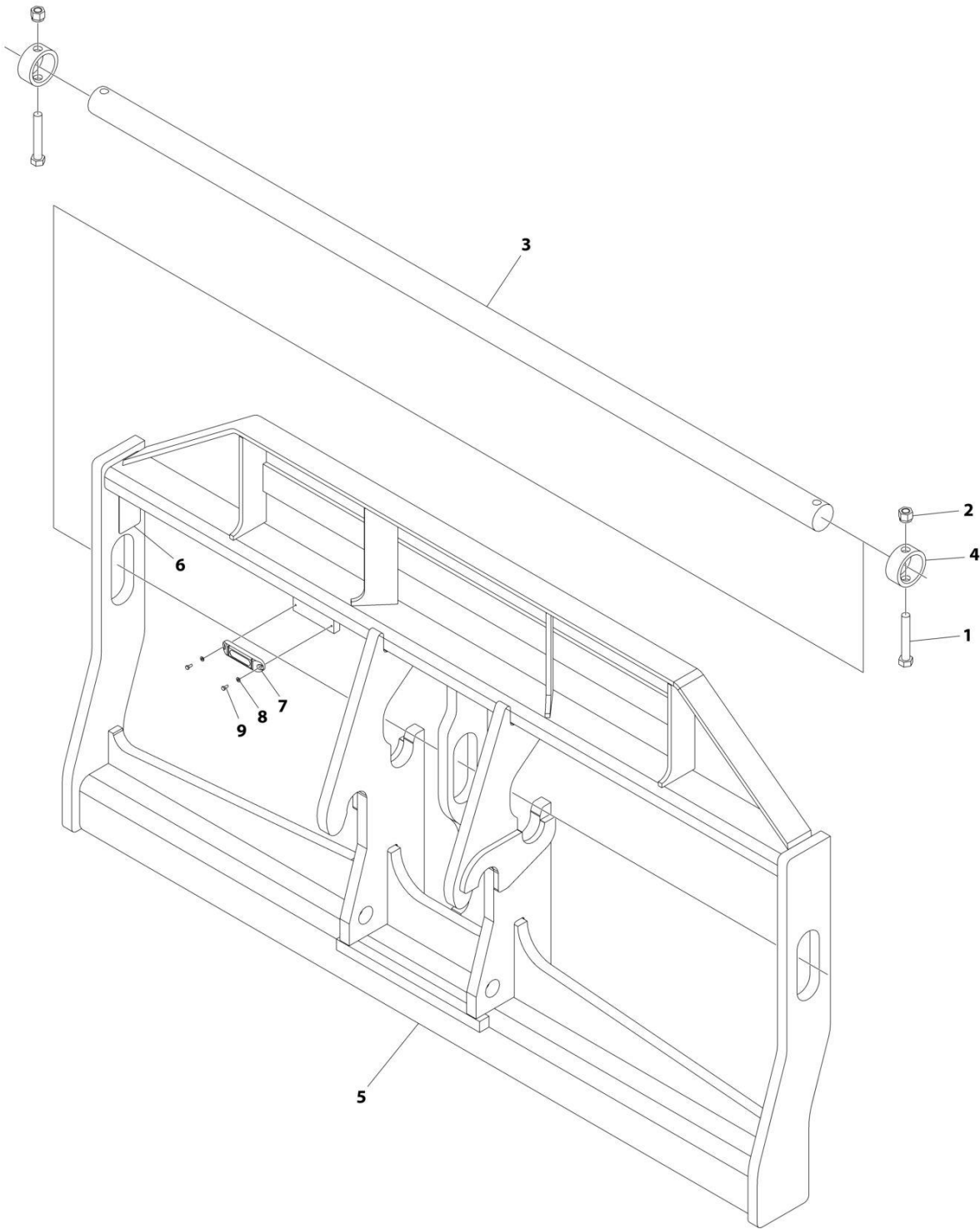
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FIGURE 3-18. CARRIAGE ASSEMBLY - 60IN/12000# CAPACITY SIDE TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277338	Ref	SIDE TILT CARRIAGE ASSEMBLY (60 INCH)	A
1	0100011	AR	Compound, Locking	
2	0642032	2	Bolt 5/8 x 4	
3	0681810	3	Bolt 1/2 x 1-1/4	
4	0741610	6	Screw 3/8 x 1-1/4	
5	0760405	2	Bolt M4 x 10	
6	2110606	2	Fitting, Straight	
7	2130808	2	Fitting, 90 ORFS	
8	2172106	2	Fitting, 90 ORFS	
9	3300240	2	Nut 5/8	
10	3423242	1	Pin	
11	3423307	2	Pin	
12	3841203	2	Keeper	
13	4811400	2	Washer M4	
14	4891800	1	Washer	
15	8420053	1	Cap	
16	8420055	1	Plug	
17	88671001	1	Fitting, Grease	
18	90200003	2	Collar	
19	91403413	1	Fitting, Straight	
20	91403414	1	Fitting, Straight	
21	1001090140	1	Bearing	
22	1001099113	1	Pin	
23	1001099115	2	Sleeve	
24	1001120914	1	Shim	
25	1001120915	1	Plate	
26	1001163414	1	Cylinder, Side Tilt (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
27	1001227670	1	Tag, RFID	
28	1001239734	2	Hose	
29	See Note	NSS	Carriage, Base Plate (Note: Purchase Complete Assembly)	
30	See Note	NSS	Carriage, Side Tilt (Note: Purchase Complete Assembly)	
31	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	

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FIGURE 3-19. CARRIAGE ASSEMBLY - 72IN



ART_1001211516_E

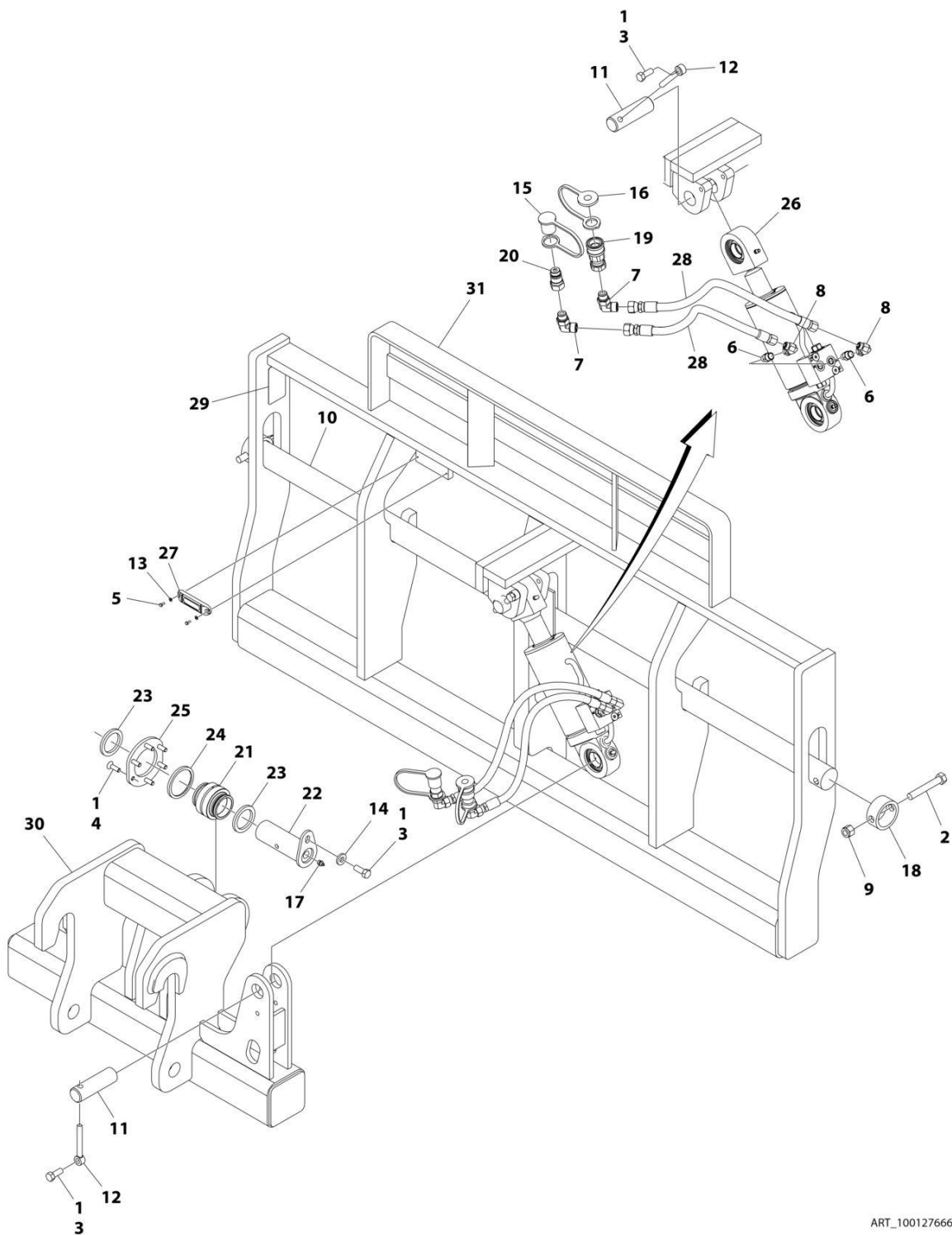
SECTION 3 - ATTACHMENTS

FIGURE 3-19. CARRIAGE ASSEMBLY - 72IN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211516	Ref	CARRIAGE ASSEMBLY (72 INCH)	F
1	0642032	2	Bolt 5/8 x 4	
2	3300240	2	Nut 5/8	
3	3423276	1	Pin	
4	90200003	2	Sleeve	
5	See Note	NSS	Carriage (Note: Purchase Complete Assembly)	
6	See Note	NSS	SN Plate (Note:Stamped Part - Not Available for Purchase)	
7	1001227670	1	Tag, RFID	
8	4811400	2	Washer M4	
9	0760405	2	Bolt M4 x 10	

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FIGURE 3-20. CARRIAGE ASSEMBLY - 72IN/12000# CAPACITY SIDE TILT



ART_1001276666

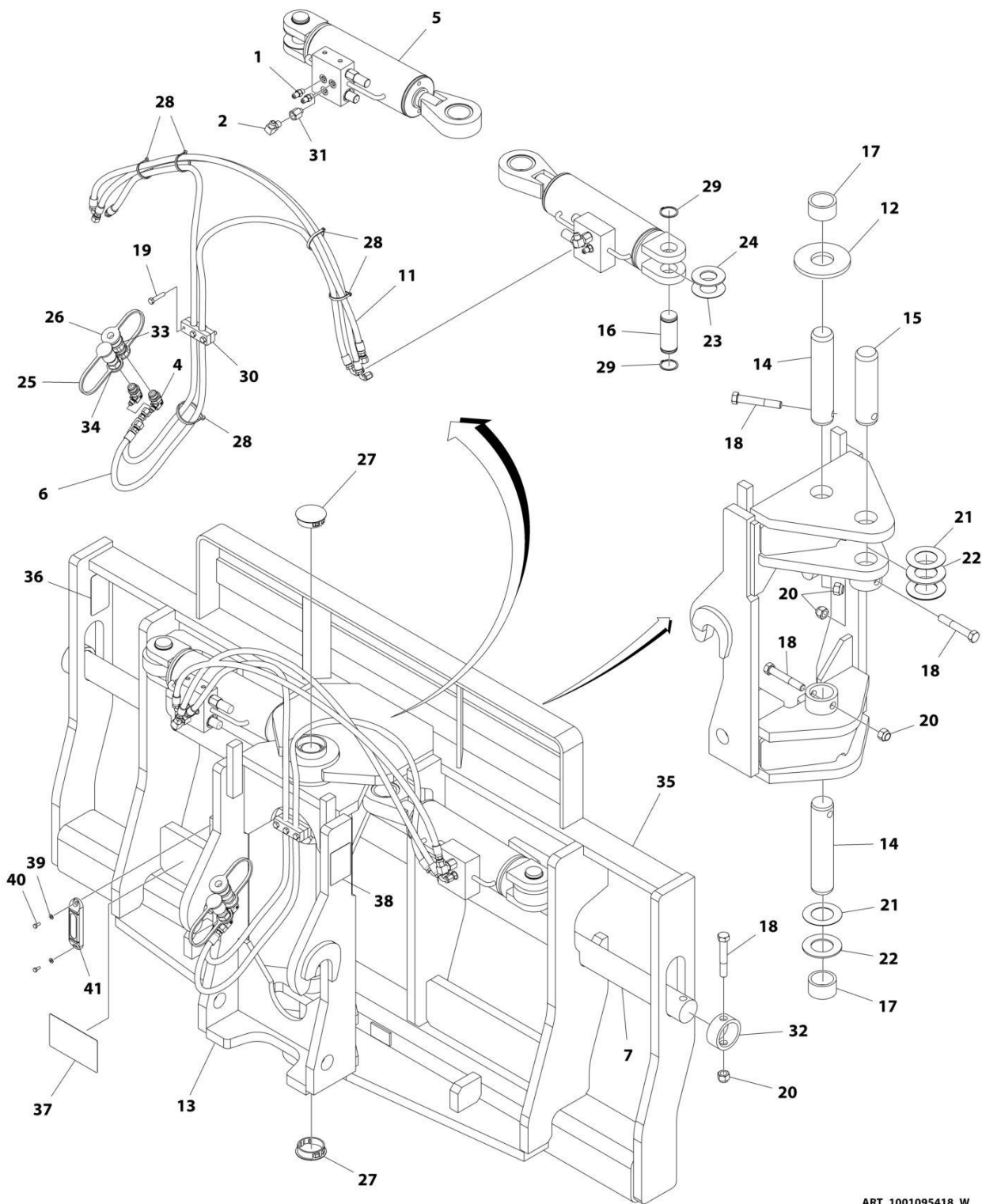
SECTION 3 - ATTACHMENTS

FIGURE 3-20. CARRIAGE ASSEMBLY - 72IN/12000# CAPACITY SIDE TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001276666	Ref	SIDE TILT CARRIAGE ASSEMBLY (72 INCH)	A
1	0100011	AR	Compound, Locking	
2	0642032	2	Bolt 5/8 x 4	
3	0681810	3	Bolt 1/2 x 1-1/4	
4	0741610	6	Screw 3/8 x 1-1/4	
5	0760405	2	Bolt M4 x 10	
6	2110606	2	Fitting, Straight	
7	2130808	2	Fitting, 90 ORFS	
8	2172106	2	Fitting, 90 ORFS	
9	3300240	2	Nut 5/8	
10	3423276	1	Pin, Fork	
11	3423307	2	Pin, Side Tilt Cylinder	
12	3841203	2	Keeper, Rod	
13	4811400	2	Washer M4	
14	4891800	1	Washer 1/2	
15	8420053	1	Cap, Dust	
16	8420055	1	Plug, Dust	
17	88671001	1	Fitting, Grease	
18	90200003	2	Collar, Fork Pin	
19	91403413	1	Fitting, Straight	
20	91403414	1	Fitting, Straight	
21	1001090140	1	Bearing, Side Tilt Spherical	
22	1001099113	1	Pin, Side Tilt Frame Pivot	
23	1001099115	2	Sleeve, Tilt Bearing Spacer	
24	1001120914	1	Shim, Bearing Retainer	
25	1001120915	1	Plate, Bearing Retainer	
26	1001163414	1	Cylinder, Side Tilt (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
27	1001227670	1	Tag, RFID	
28	1001239734	2	Hose	
29	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
30	See Note	NSS	Carriage, Base Plate (Note: Purchase Complete Assembly)	
31	See Note	NSS	Carriage, Side Tilt (Note: Purchase Complete Assembly)	

SECTION 3 - ATTACHMENTS

FIGURE 3-21. CARRIAGE ASSEMBLY - 72IN SWING



ART_1001095418_W

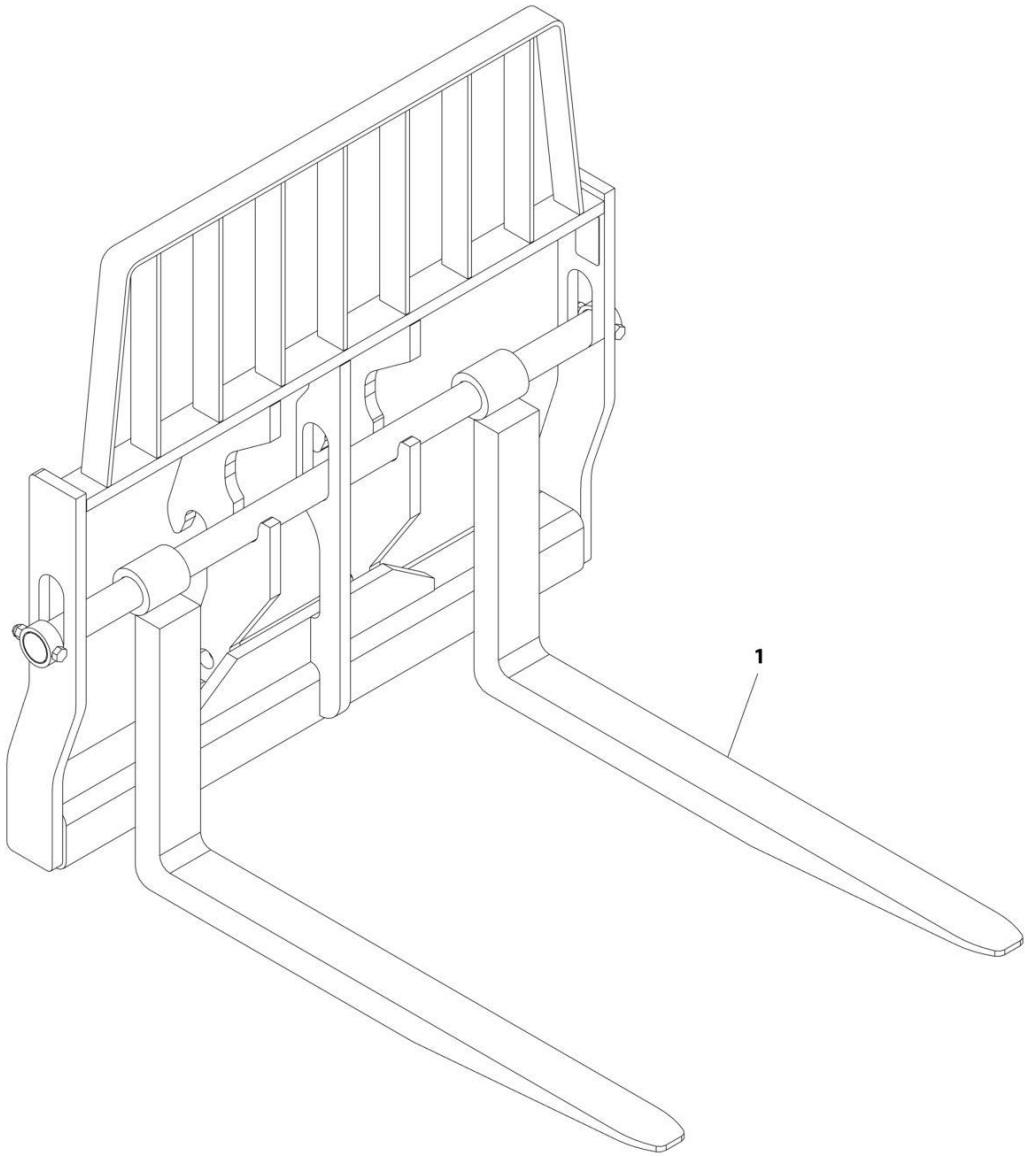
SECTION 3 - ATTACHMENTS

FIGURE 3-21. CARRIAGE ASSEMBLY - 72IN SWING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001095418	Ref	CARRIAGE ASSEMBLY - SWING (72 INCH)	W
1	2220415	4	Fitting, Straight ORFS	
2	2220473	2	Fitting, 90 ORFS	
4	1001211139	2	Adapter, 90	
5	1001293182	1	Swing Carriage Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
6	2717287	2	Hose 58in (Boom Front Disconnect)	
6	1001301599	1	Hose 66in (Boom Side Disconnect)	
6	1001301600	1	Hose 46in (Boom Side Disconnect)	
7	3423276	1	Pin	
11	6604662	2	Hose	
12	7062922	1	Washer	
13	See Note	NSS	Pivot (Note: Purchase Complete Assembly)	
14	7110702	2	Pin	
15	7110712	1	Pin	
16	7110722	2	Pin	
17	8065062	2	Bushing	
18	8303634	5	Bolt 5/8 x 4	
19	8303715	3	Bolt 5/16 x 1-1/2	
20	8305643	5	Nut 5/8	
21	8307904	AR	Washer	
22	8307918	AR	Washer	
23	8310160	AR	Washer	
24	8310161	AR	Washer	
25	8420053	1	Cap	
26	8420055	1	Plug	
27	8580315	2	Plug	
28	8584001	5	Tie Wrap	
29	8642207	4	Ring, Retaining	
30	8769132	2	Clamp	
31	8770016	2	Fitting, Straight ORFS	
32	90200003	2	Collar	
33	91403413	1	Fitting, Straight ORFS	
34	91403414	1	Fitting, Straight	
35	See Note	NSS	Carriage (Note: Purchase Complete Assembly)	
36	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
37	1001110704	1	Decal, Warning Crushing Hazard	
38	1001111190	2	Decal, Warning	
39	4811400	2	Washer M4	
40	0760405	2	Bolt M4 x 10	
41	1001227670	1	Tag - RFID	

SECTION 3 - ATTACHMENTS

FIGURE 3-22. FORK 2.36X4X48 PALLET



ART_1001272759

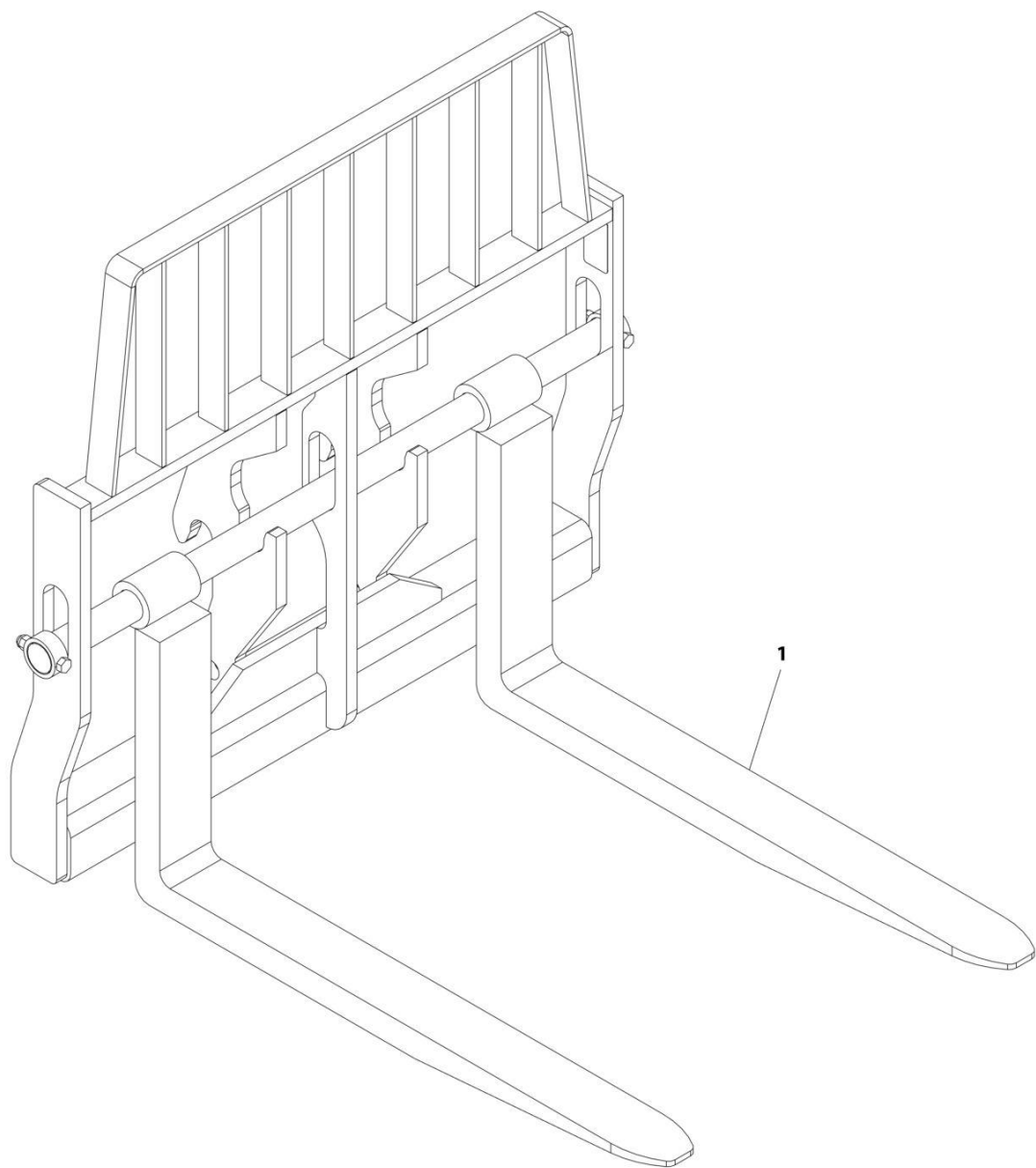
SECTION 3 - ATTACHMENTS

FIGURE 3-22. FORK 2.36X4X48 PALLET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001272759	2	FORK 2.36x4x48 PALLET	A
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.	

SECTION 3 - ATTACHMENTS

FIGURE 3-23. FORK 2.36X5X48 PALLET



ART_1001272760

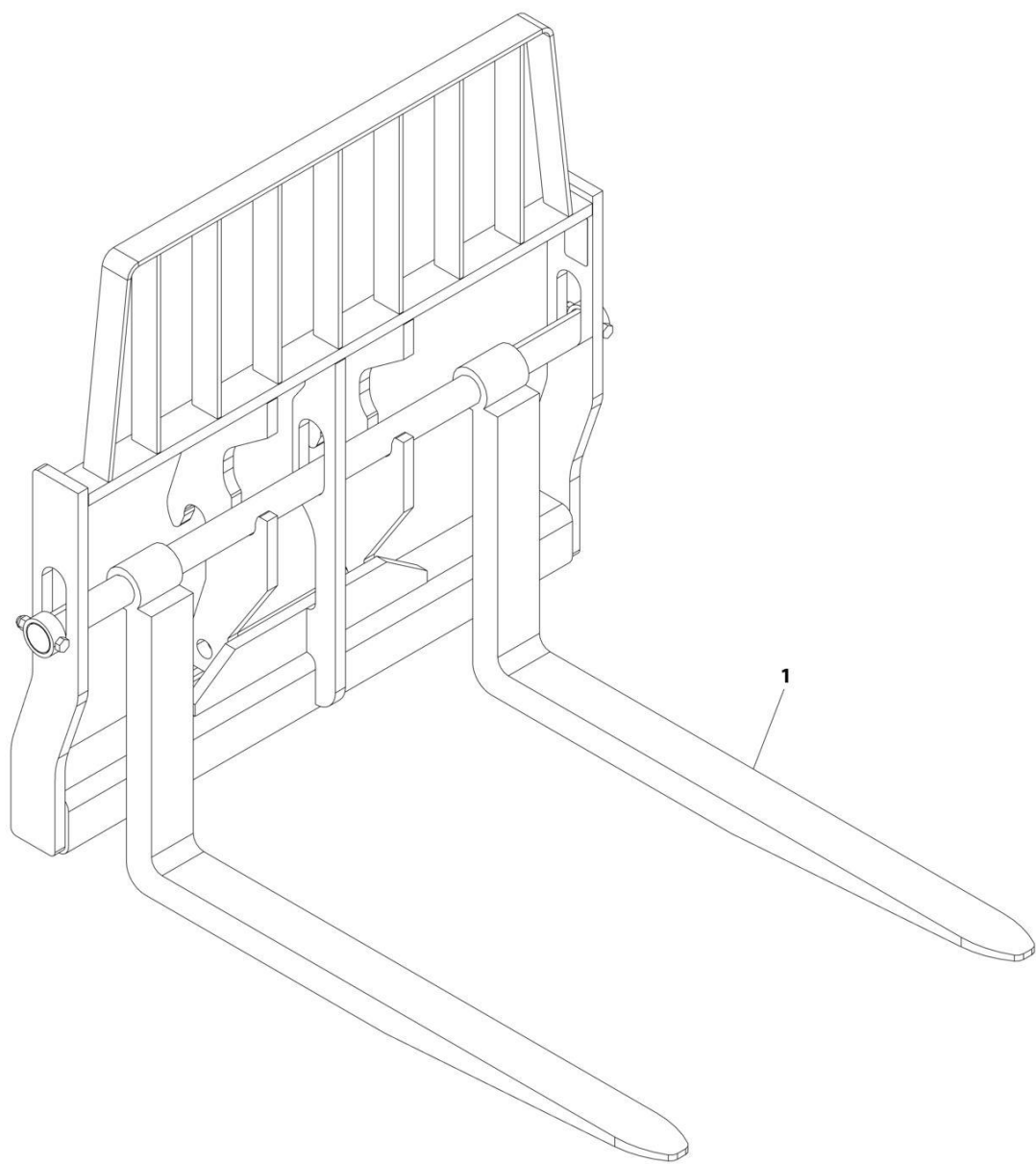
SECTION 3 - ATTACHMENTS

FIGURE 3-23. FORK 2.36X5X48 PALLET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001272760	2	FORK 2.36x5x48 PALLET	A
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.	

SECTION 3 - ATTACHMENTS

FIGURE 3-24. FORK 2.4X4X48 PALLET



ART_1001272761

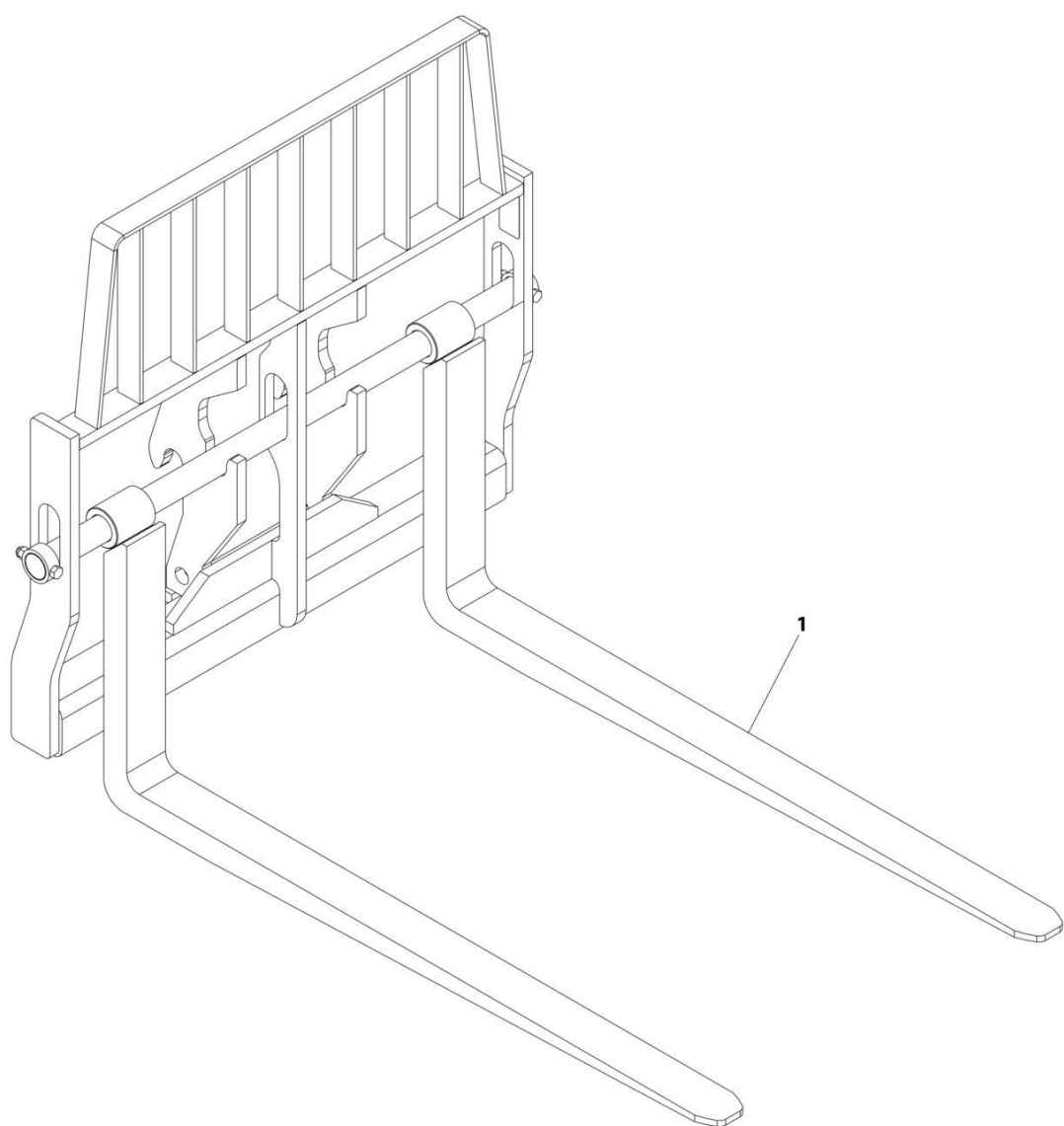
SECTION 3 - ATTACHMENTS

FIGURE 3-24. FORK 2.4X4X48 PALLET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001272761	2	FORK 2.4x4x48 PALLET	A
N1	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
N2	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

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FIGURE 3-25. FORK 2.4X4X60 PALLET



ART_1001272762

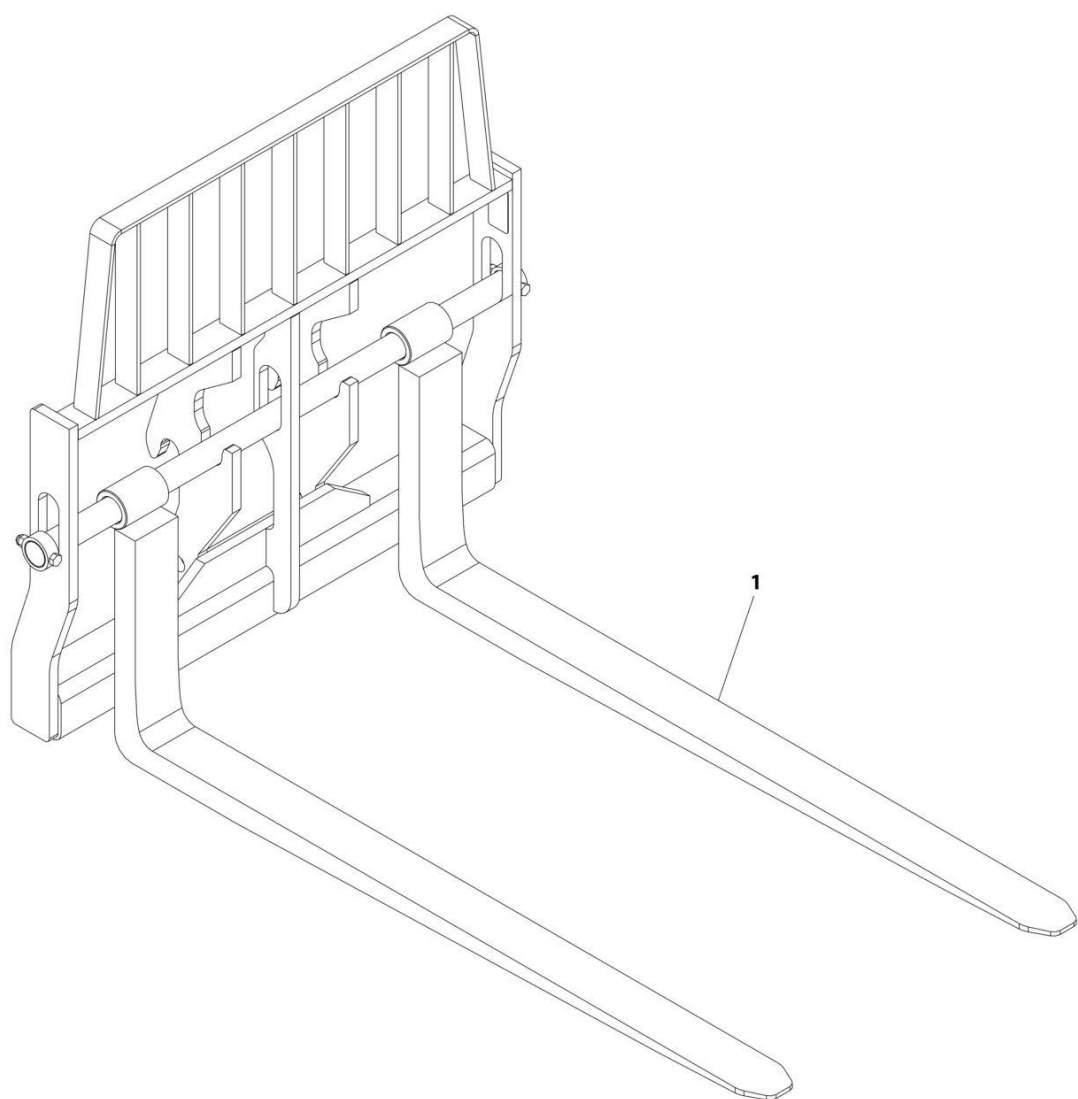
SECTION 3 - ATTACHMENTS

FIGURE 3-25. FORK 2.4X4X60 PALLET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001272762	2	FORK 2.4x4x60 PALLET	A
N1	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
N2	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

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FIGURE 3-26. FORK 2.36X5X72 PALLET



ART_1001272763

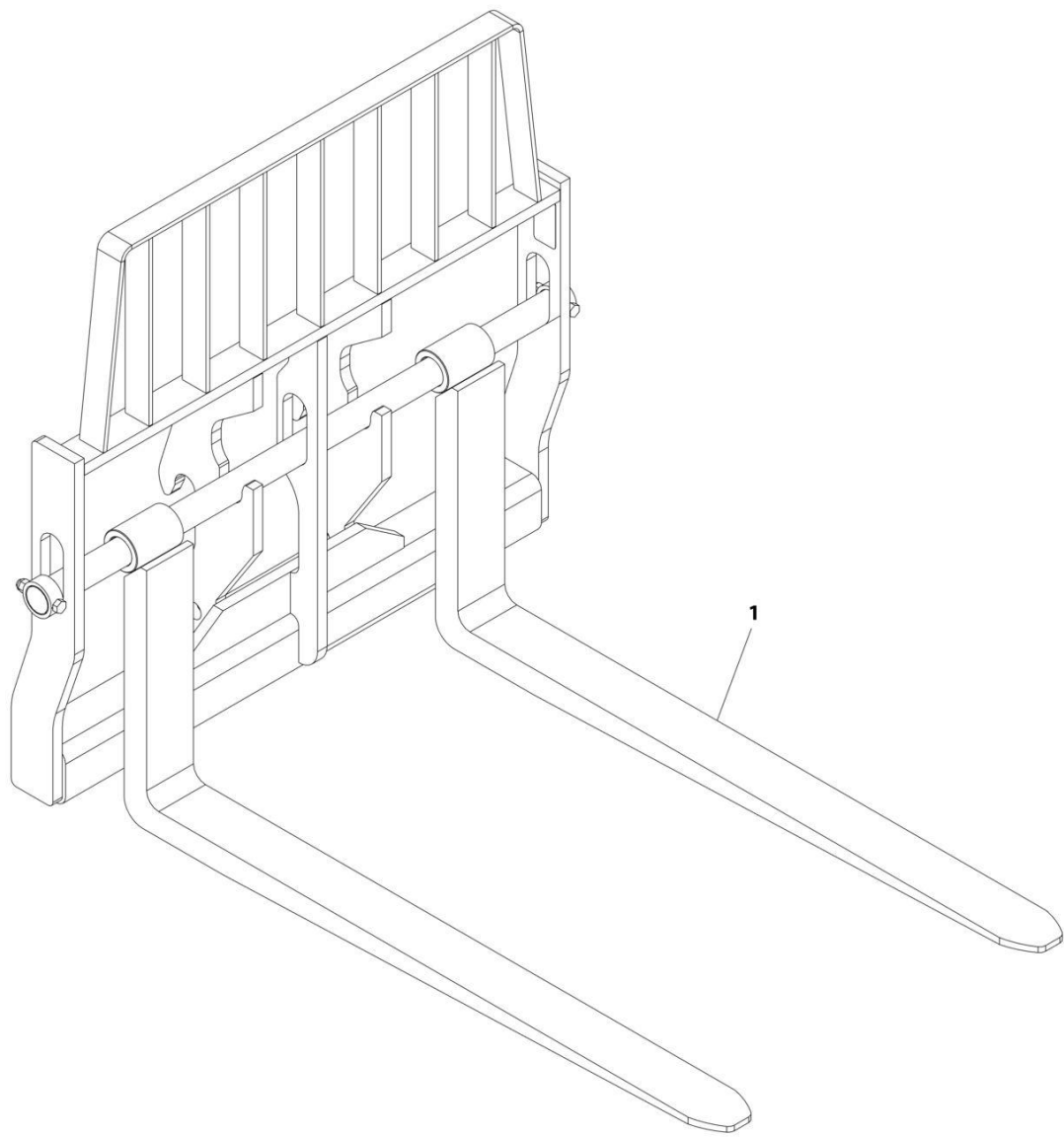
SECTION 3 - ATTACHMENTS

FIGURE 3-26. FORK 2.36X5X72 PALLET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001272763	2	FORK 2.36x5x72 PALLET	A
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.	

SECTION 3 - ATTACHMENTS

FIGURE 3-27. FORK 2.36X5X60 PALLET



ART_1001272764

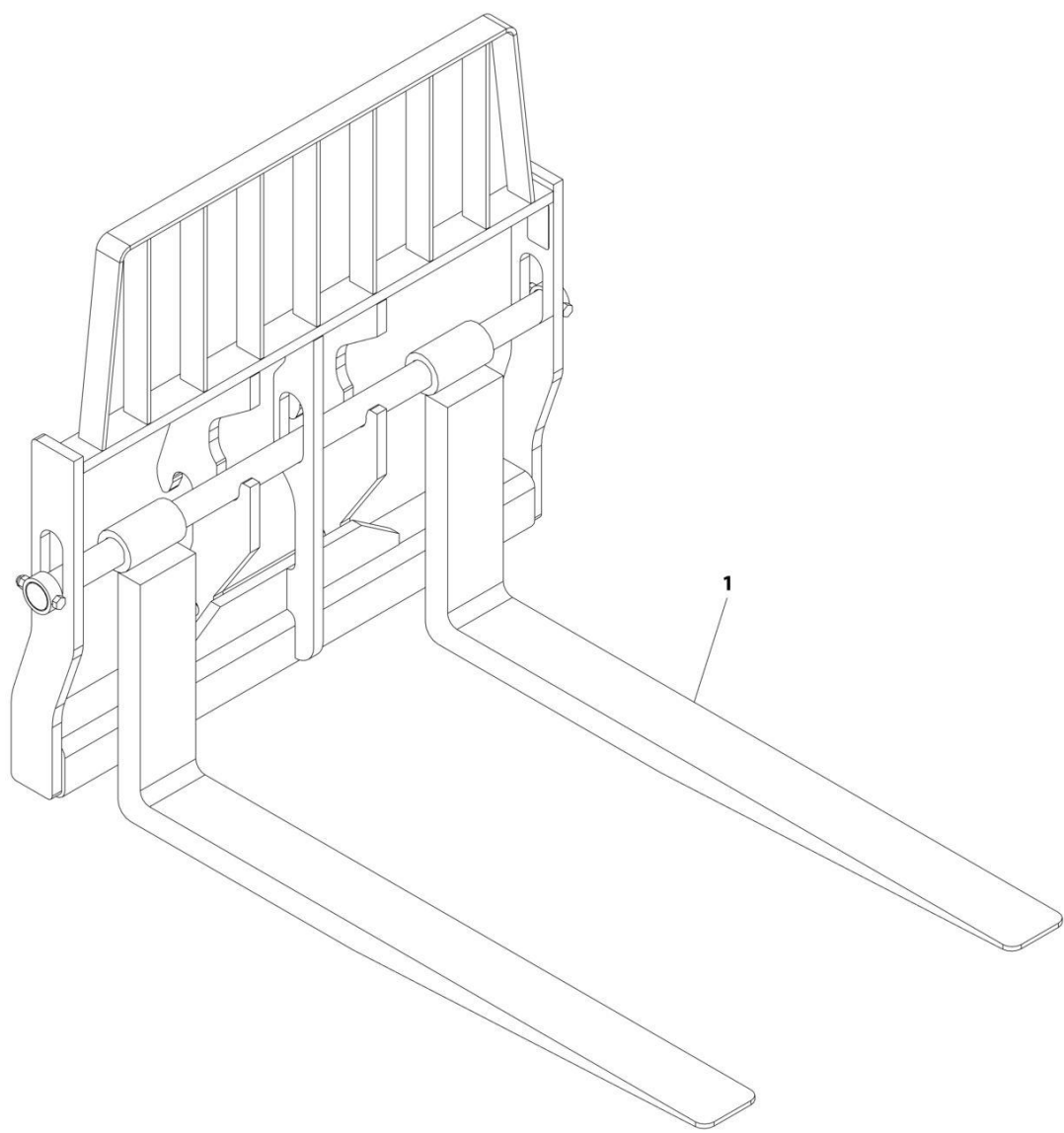
SECTION 3 - ATTACHMENTS

FIGURE 3-27. FORK 2.36X5X60 PALLET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001272764	2	FORK 2.36x5x60 PALLET	A
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.	

SECTION 3 - ATTACHMENTS

FIGURE 3-28. FORK 2.36X6X60 PALLET



ART_1001272765

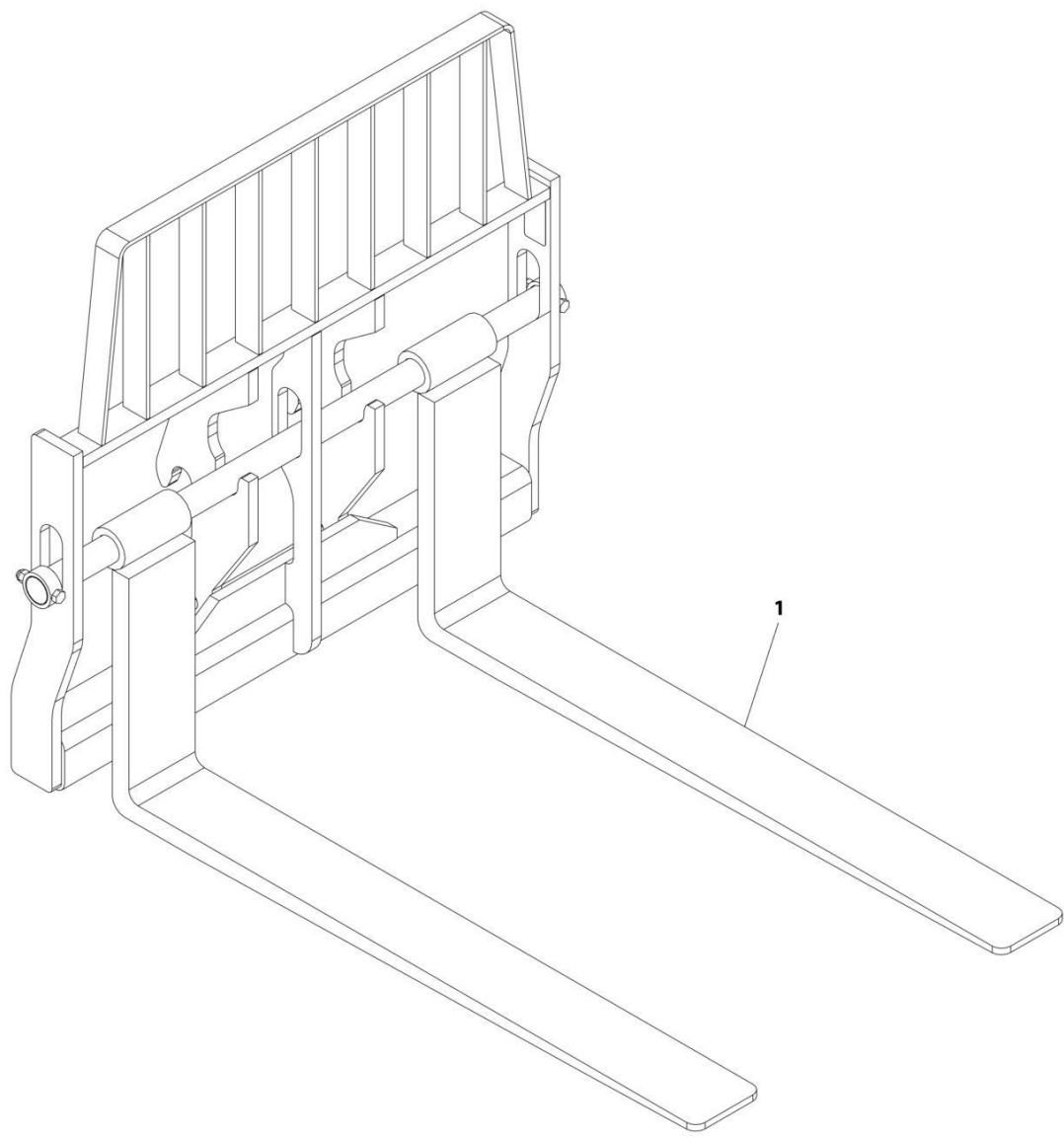
SECTION 3 - ATTACHMENTS

FIGURE 3-28. FORK 2.36X6X60 PALLET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001272765	2	FORK 2.36x6x60 PALLET	A
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.	

SECTION 3 - ATTACHMENTS

FIGURE 3-29. FORK 1.75X7X60 LUMBER



ART_1001272766

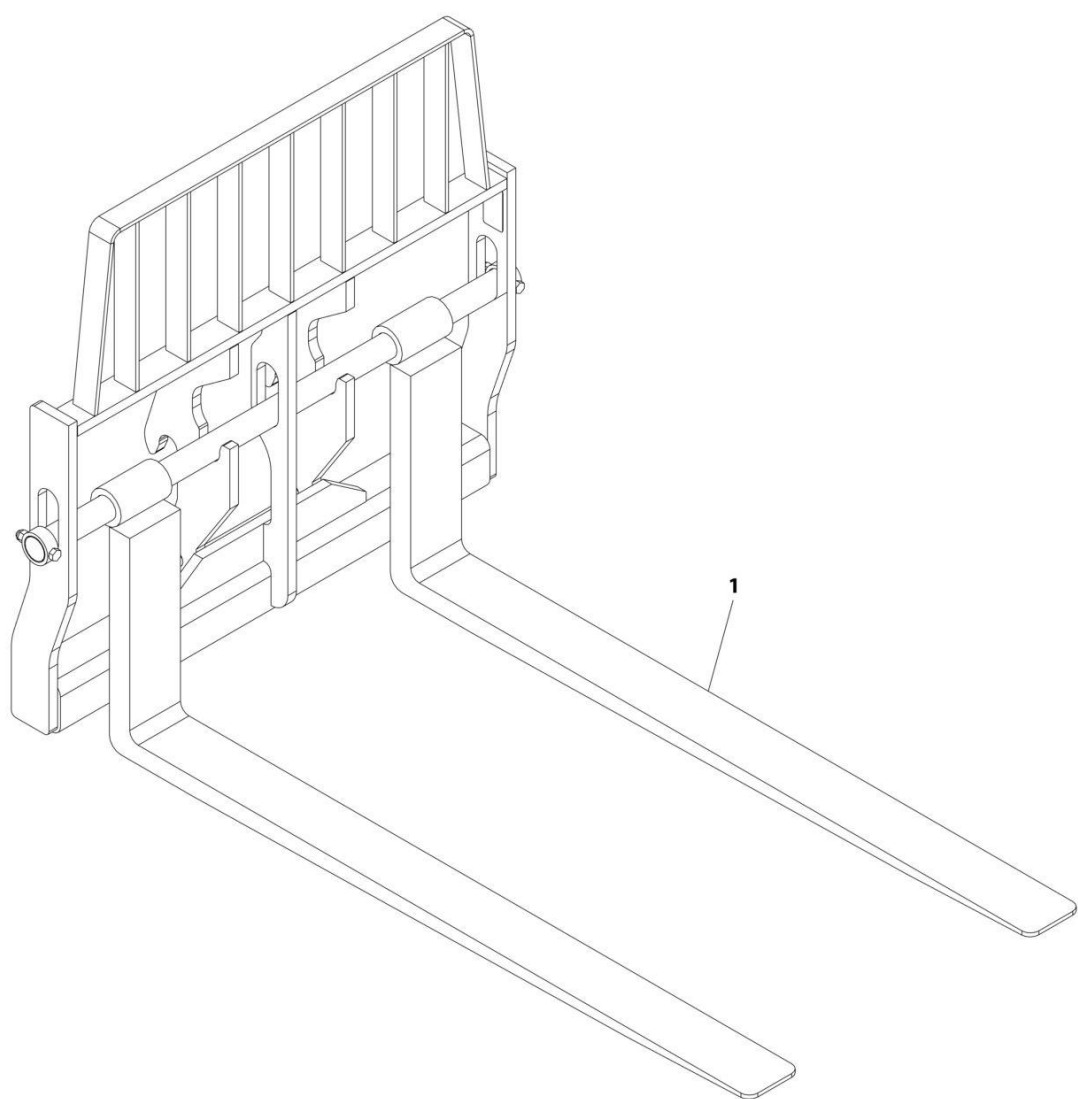
SECTION 3 - ATTACHMENTS

FIGURE 3-29. FORK 1.75X7X60 LUMBER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001272766	2	FORK 1.75x7x60 LUMBER	A
N1	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
N2	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

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FIGURE 3-30. FORK 2X6X72 LUMBER



ART_1001272767

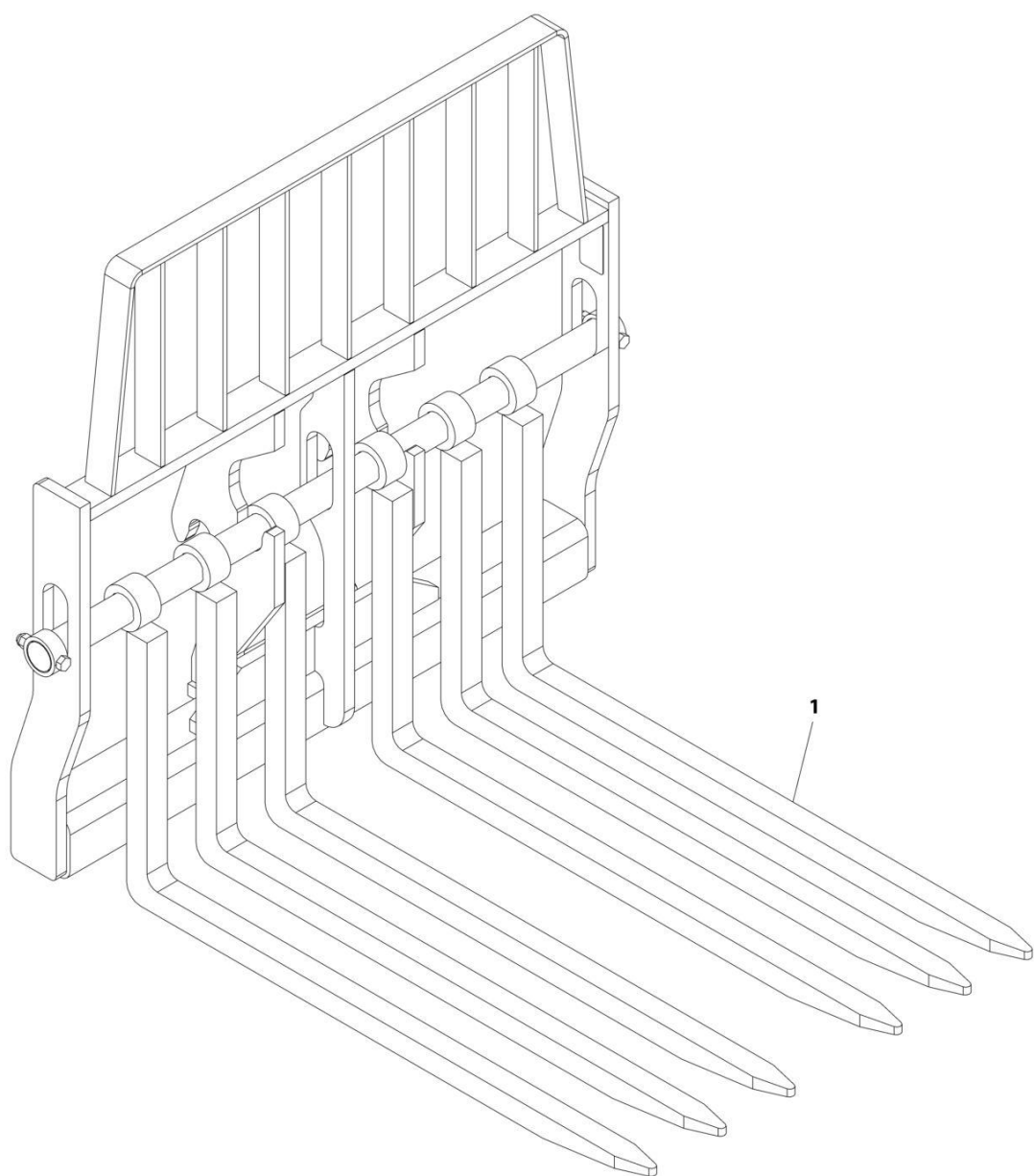
SECTION 3 - ATTACHMENTS

FIGURE 3-30. FORK 2X6X72 LUMBER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001272767	2	FORK 2x6x72 LUMBER	A
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.	

SECTION 3 - ATTACHMENTS

FIGURE 3-31. FORK 2X2X48 BLOCK



ART_1001272768

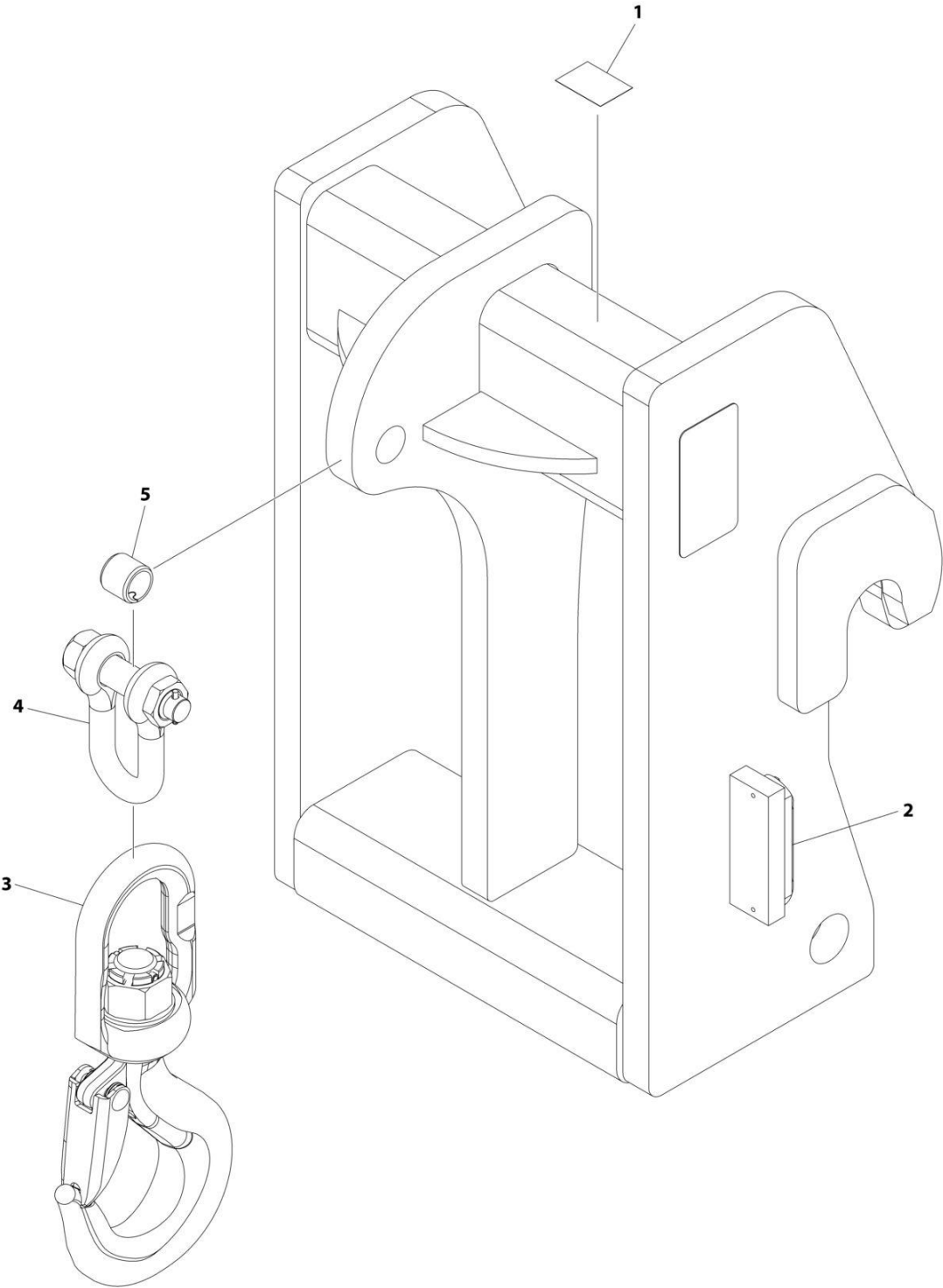
SECTION 3 - ATTACHMENTS

FIGURE 3-31. FORK 2X2X48 BLOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001272768	6	FORK 2x2x48 BLOCK	A
N1	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
N2	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

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FIGURE 3-32. HOOK - COUPLER MOUNTED



ART_1001207606_F

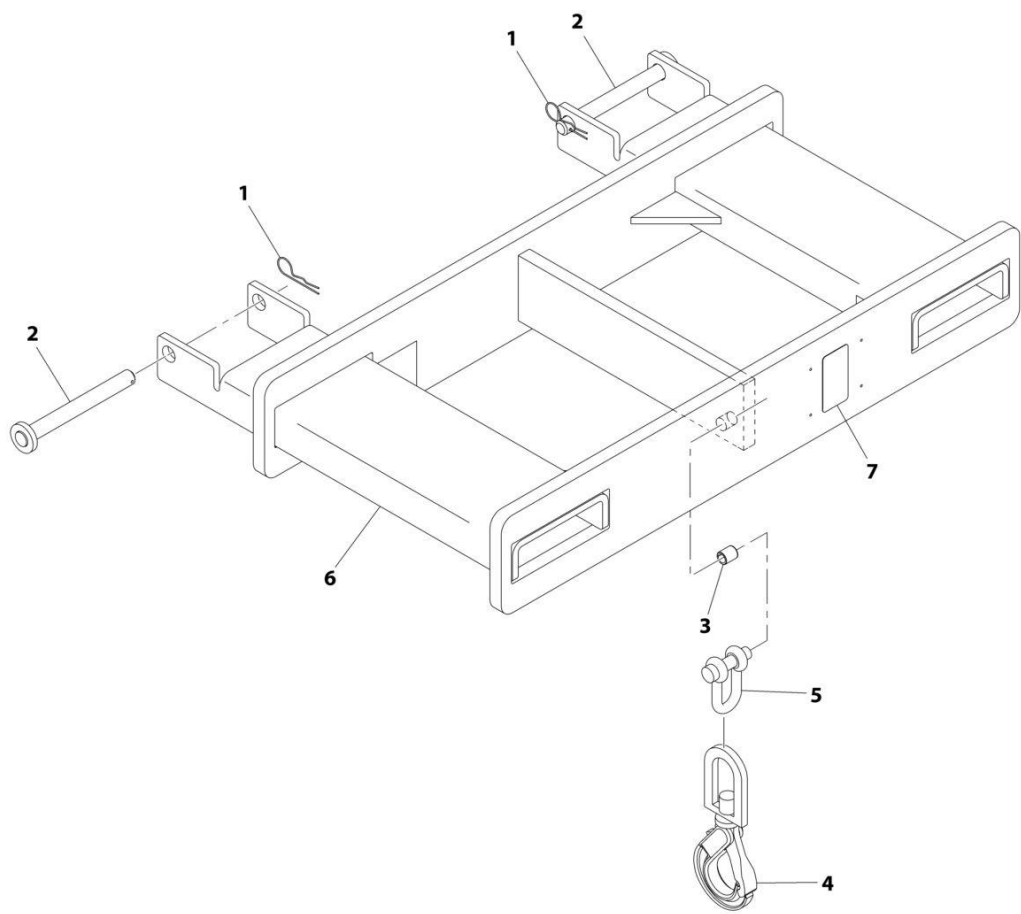
SECTION 3 - ATTACHMENTS

FIGURE 3-32. HOOK - COUPLER MOUNTED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207606	Ref	COUPLER MOUNTED HOOK	F
1	90554016	1	Decal	
2	1001227670	1	Tag, RFID	
3	70026745	1	Hook Swivel	
4	70026746	1	Shackle Chain	
5	70020555	1	Bushing	

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FIGURE 3-33. HOOK - 4TON (FORK MOUNTED)



ART_1001097205-I

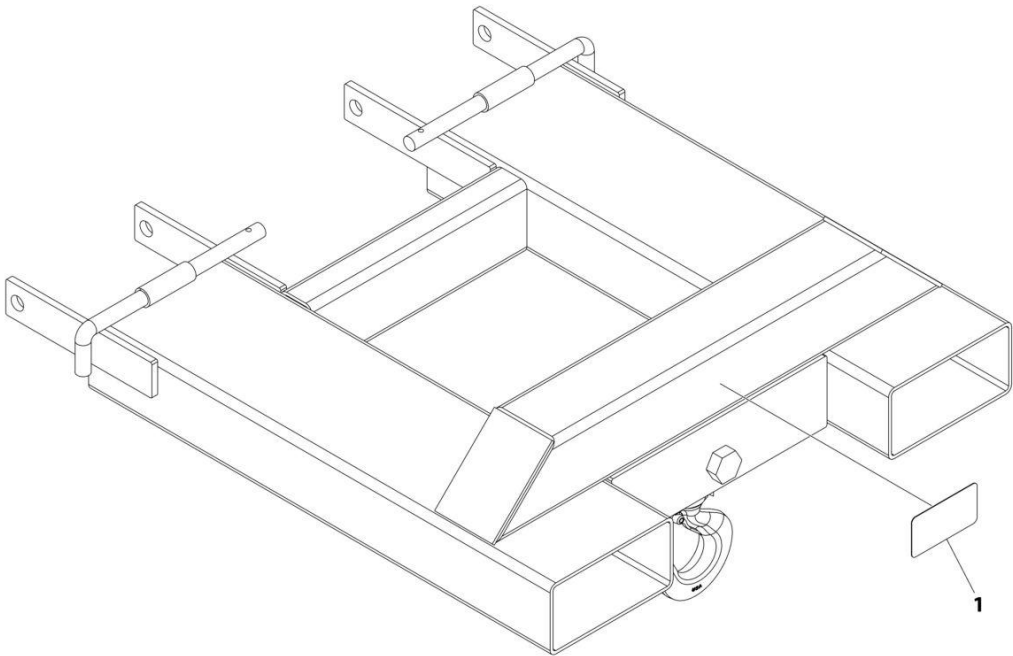
SECTION 3 - ATTACHMENTS

FIGURE 3-33. HOOK - 4TON (FORK MOUNTED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001097205	Ref	Fork Mounted Hook (4 Ton)	K
1	7029520	2	Pin, Cotter	
2	1001093171	2	Pin	
3	70020555	1	Bushing	
4	90554080	1	Hook	
5	7029521	1	Shackle	
6	See Note	NSS	Frame, Hook (Note: Purchase Complete Assembly)	
7	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	

SECTION 3 - ATTACHMENTS

FIGURE 3-34. LIFTING HOOK



ART_1001305476

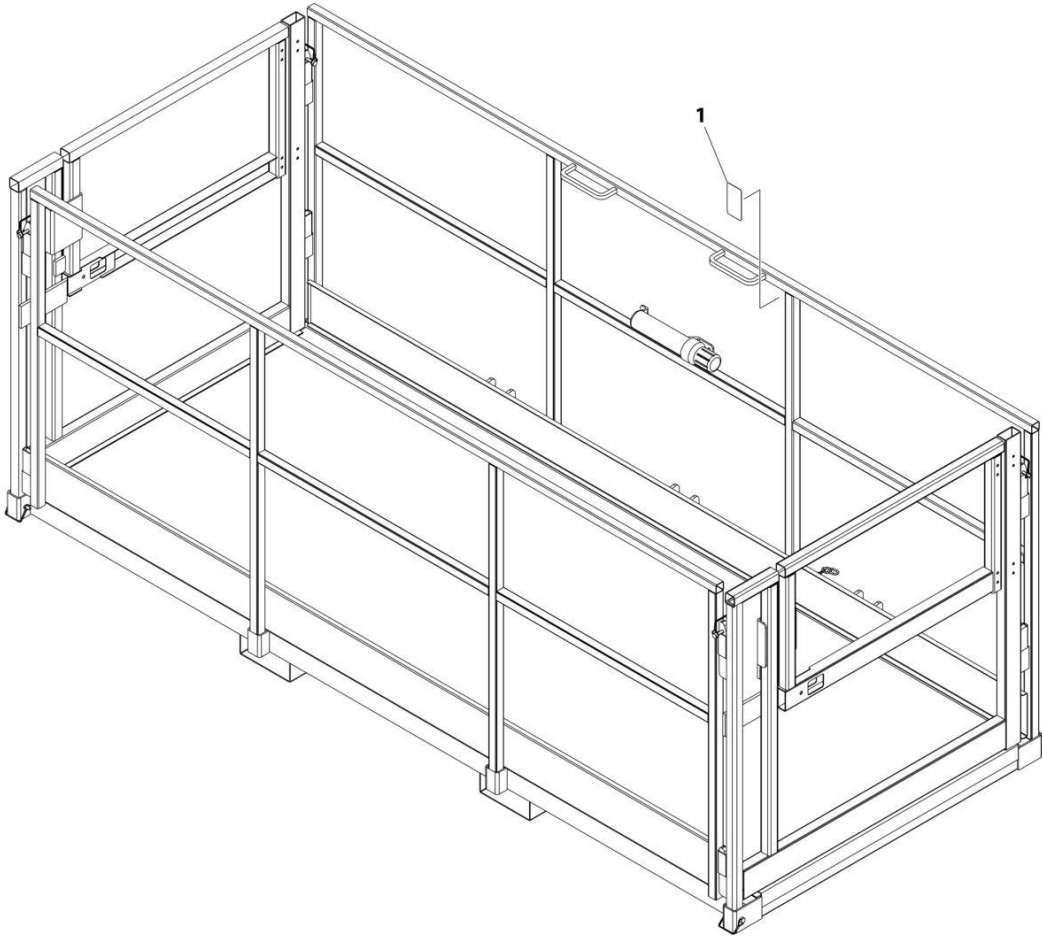
SECTION 3 - ATTACHMENTS

FIGURE 3-34. LIFTING HOOK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001305476 See Note	Ref NSS	LIFTING HOOK (6K) SN Plate (Note: Not Available for Purchase)	B

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FIGURE 3-35. PLATFORM (FORK MOUNTED)(4X9.8)



ART_1001301393

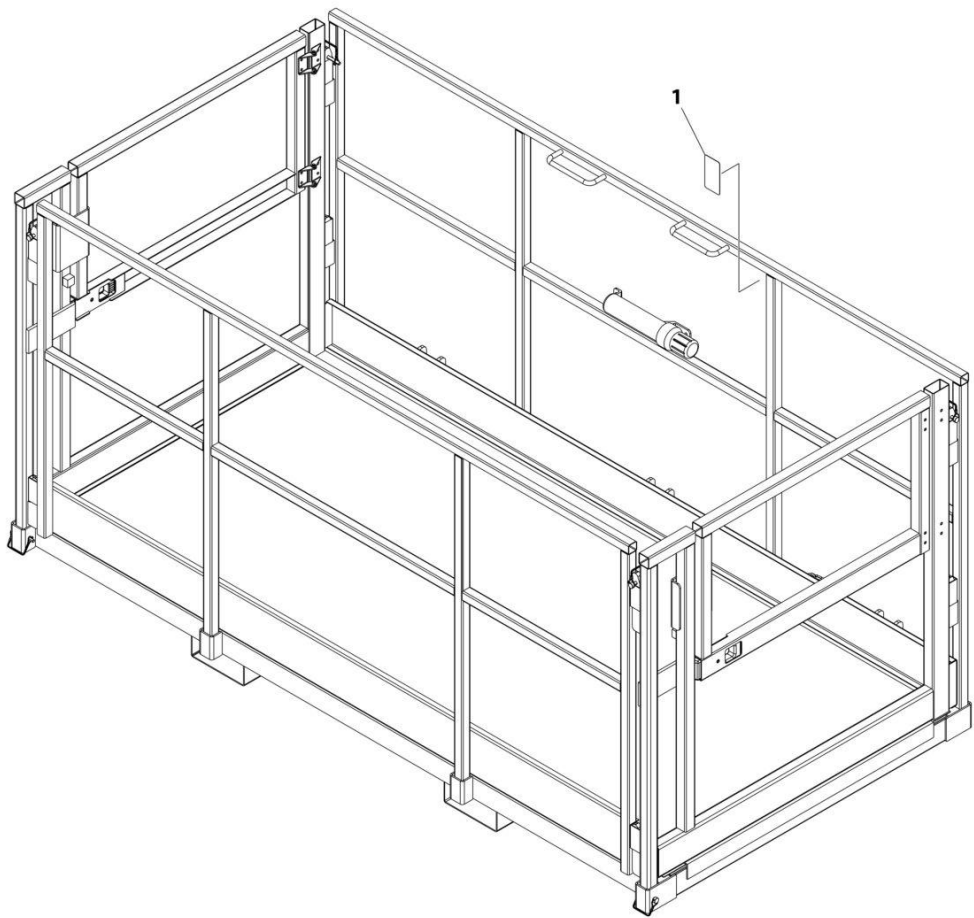
SECTION 3 - ATTACHMENTS

FIGURE 3-35. PLATFORM (FORK MOUNTED)(4X9.8)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001301393 See Note	Ref NSS	PLATFORM (FORK MOUNTED) (4X9.8) SN Plate (Note: Not Available for Purchase)	B

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FIGURE 3-36. PLATFORM (FORK MOUNTED)(4X8 WITH DOORS)



ART_1001303246

SECTION 3 - ATTACHMENTS

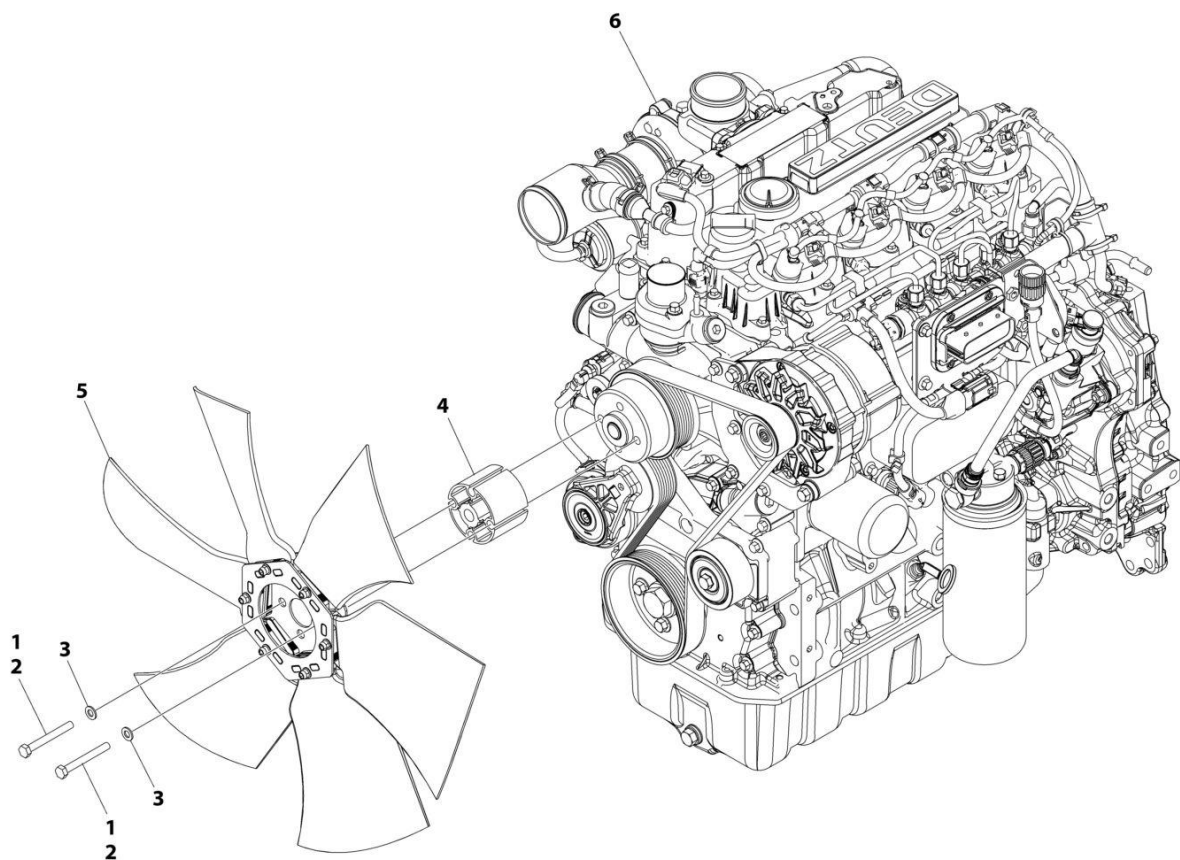
FIGURE 3-36. PLATFORM (FORK MOUNTED)(4X8 WITH DOORS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001303246	Ref	PLATFORM (FORK MOUNTED) (4X8 WITH DOORS)	B
	70032255	1	Kit, Pin (Not Shown)	
	See Note	NSS	SN Plate (Note: Not Available for Purchase)	

SECTION 4 - ENGINE AND ATTACHING PARTS

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-1. ENGINE INSTALLATION (HRC)



ART_1001296159

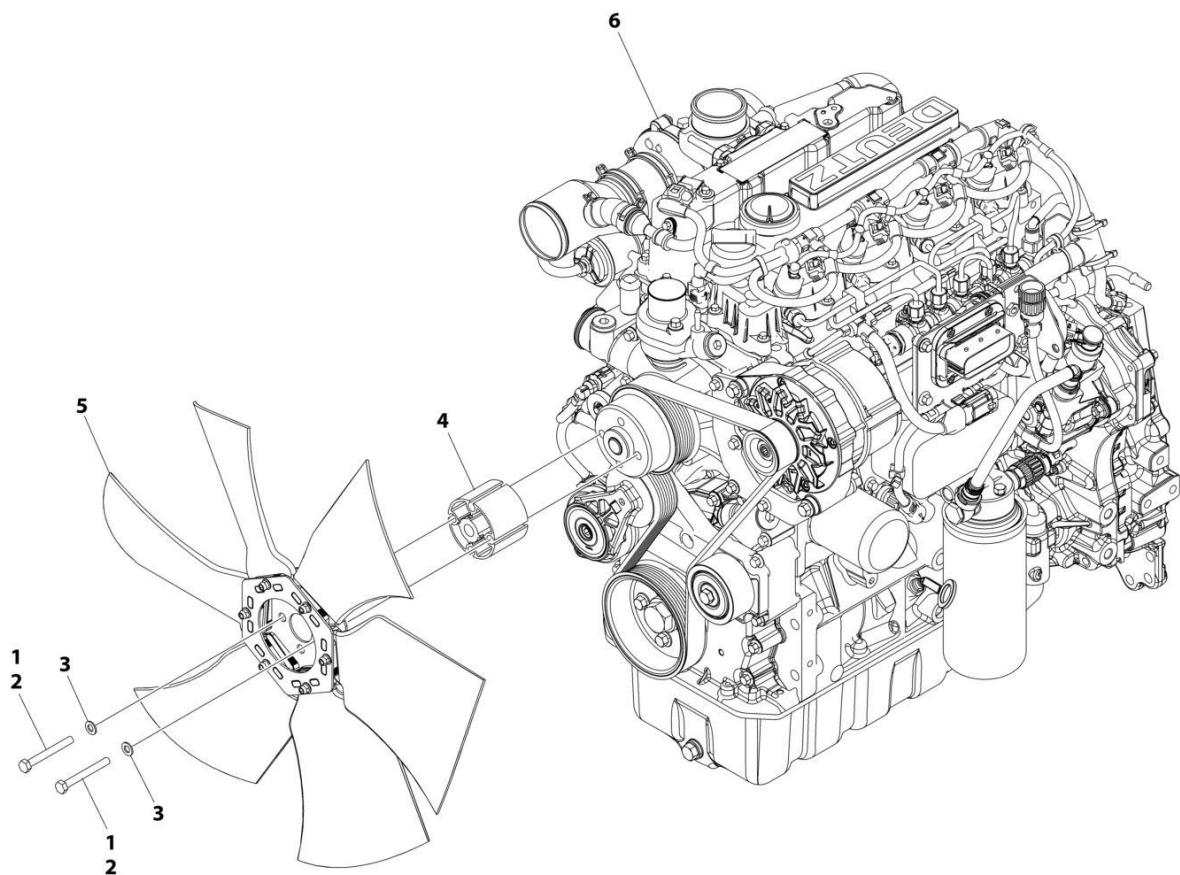
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-1. ENGINE INSTALLATION (HRC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001296159	Ref	ENGINE INSTALLATION (HRC)	B
1	0100011	AR	Compound, Locking	
2	0700822	4	Bolt M8 x 70	
3	4811900	4	Washer M8	
4	1001283785	1	Fan Spacer	
5	1001287521	1	Fan	
6	1001293875	1	Engine Assembly (See Separate Breakdown in this Section)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-2. ENGINE INSTALLATION (LRC)



ART_1001296160

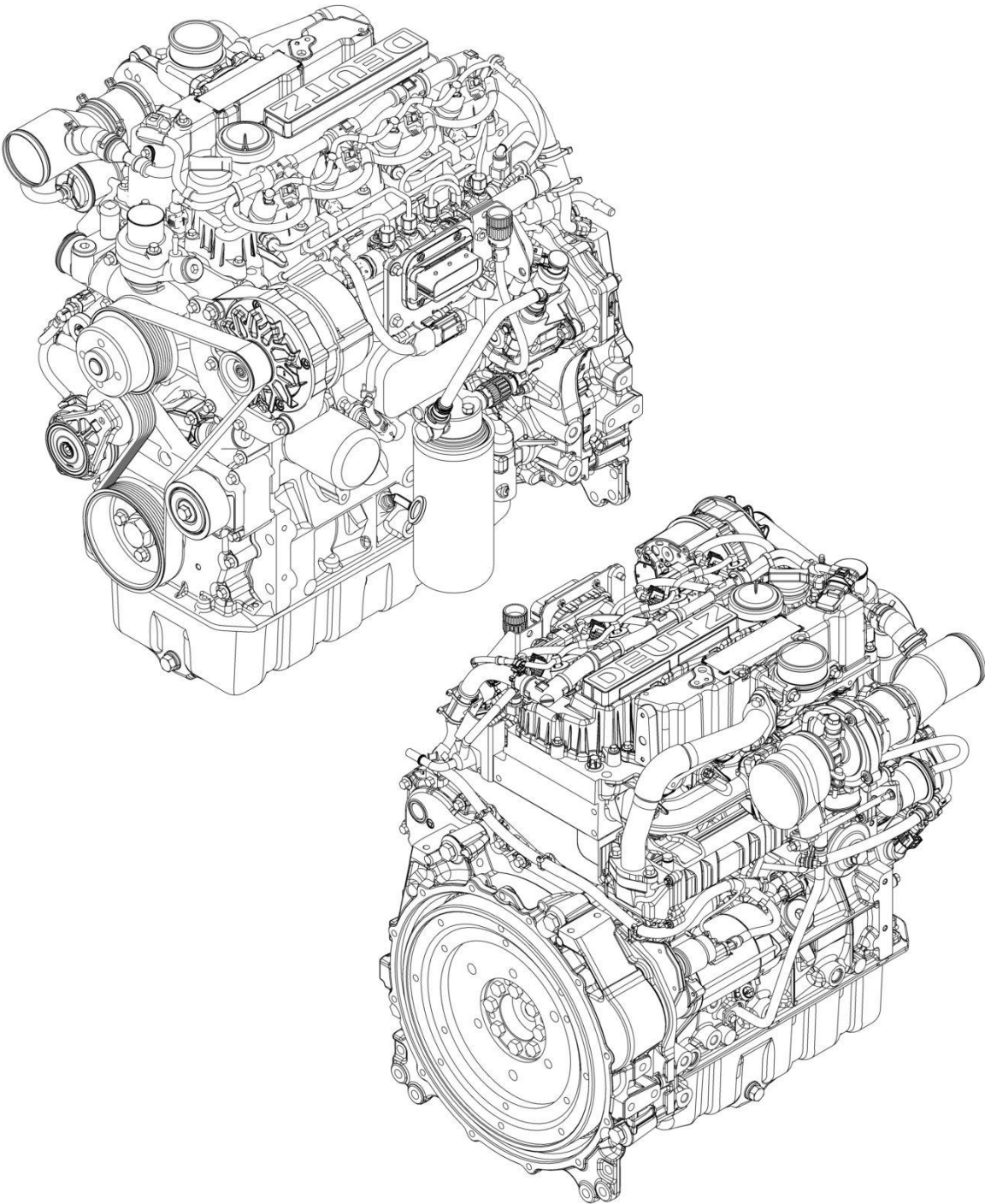
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-2. ENGINE INSTALLATION (LRC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001296160	Ref	ENGINE INSTALLATION (LRC)	B
1	0100011	AR	Compound, Locking	
2	0700822	4	Bolt M8 x 70	
3	4811900	4	Washer M8	
4	1001283785	1	Fan Spacer	
5	1001287521	1	Fan	
6	1001294181	1	Engine Assembly (See Separate Breakdown in this Section)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-3. ENGINE ASSEMBLY (HRC)



ART_1001293875

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-3. ENGINE ASSEMBLY (HRC)

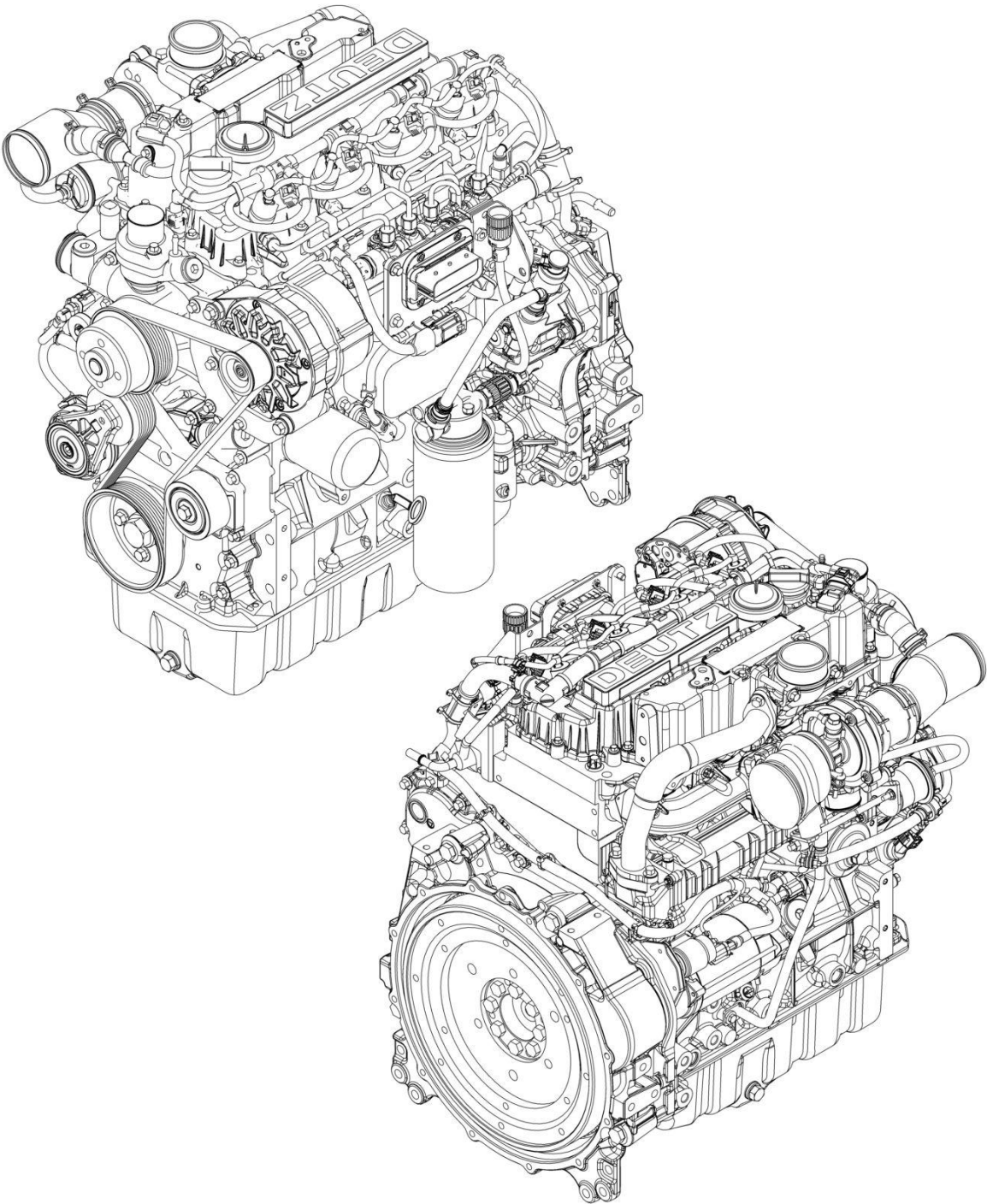
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001293875	Ref	ENGINE ASSEMBLY (HRC)	C
	See Note	Ref	Note: Contact JLG Customer Service for availability of additional components.	
		Ref	Air Intake System	
	70007328	1	Turbocharger	
		Ref	Cooling System Components	
	1001291868	1	Pump, Coolant	
	70007603	1	Thermostat	
		Ref	Electrical Components	
	70029512	1	Module, Engine Control (ECM/ECU)	
	70024513	1	Harness, Fuel Filter Sensor	
	70024504	1	Sensor, Fuel Pressure	
	70031142	1	Generator	
	70031143	1	Regulator, Voltage	
	70031144	1	Starter	
	70025231	1	Harness, Glow Plug	
	70028540	1	Sensor, Temperature	
	70026210	2	Sensor, Speed	
	70024507	1	Sensor, Pressure (Air Intake)	
	70000345	4	Plug, Glow	
		Ref	Exhaust Components	
	70004282	8	Bolt, Exhaust Manifold	
	70008434	1	Valve, EGR	
	70007327	1	Valve, EGR Shuttle	
	70031146	1	Muffler	
		Ref	Fuel System Components	
	70030381	1	Pump, High Pressure	
	70004508	1	Valve, Volume Control	
	70025181	4	Injector, Fuel	
	70008422	1	Pump, Fuel Supply (Includes qty 2 Mounting Clamps)	
	70024961	1	Filter, Fuel (Pre-Filter) Assembly	
	1001225430	1	Filter, Fuel	
	70025239	1	Seal	
	70024513	1	Cable, Sensor	
	70024962	1	Filter, Fuel	
		Ref	Gasket & Seal Components	
	70024905	1	Seal, Dipstick	
	70005942	2	Seal, Oil Plug	
	70024906	1	Gasket, Head	
	70005171	1	Gasket, Valve Cover	
	70002718	1	Seal, Rear Main	
	70025135	1	O-Ring, Oil Lube Pump	
	70005173	1	Gasket, Oil Lube Pump	
	70031388	1	Seal, Oil Cooler	
	70005177	1	Gasket, Charge Air Housing	
	70031055	1	O-Ring, Coolant Pump	
	70007325	1	Seal, Coolant Pump	
	70005184	1	O-Ring, Thermostat	
	70005931	1	Seal, Thermostat	
	70025164	1	Gasket, Exhaust Manifold to Head	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70031136	1	Gasket, Exhaust Manifold to Short Exhaust Pipe	
	70007354	1	Gasket, Short Exhaust Pipe to JLG Supplied Exhaust	
	70007326	1	Gasket, EGR Valve	
	70031095	2	Gasket, Exhaust Return Pipe (to Air Intake Housing)	
		Ref	Other Components	
	70001870	1	Flywheel (Includes Ring Gear)	
	7024579	1	Gear, Ring	
	70028699	1	Tensioner, Belt	
	70004277	1	Belt, Drive	
		Ref	Oil Lube System	
	7020465	2	Cap, Oil Fill	
	70006127	1	Dipstick	
	70005941	2	Plug, Oil (Includes Seal)	
	70005172	1	Pump, Oil Lube (Includes O-Ring & Gasket)	
	70024494	1	Oil Cooler	
	7016331	1	Filter, Oil	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-4. ENGINE ASSEMBLY (LRC)



ART_1001294181

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-4. ENGINE ASSEMBLY (LRC)

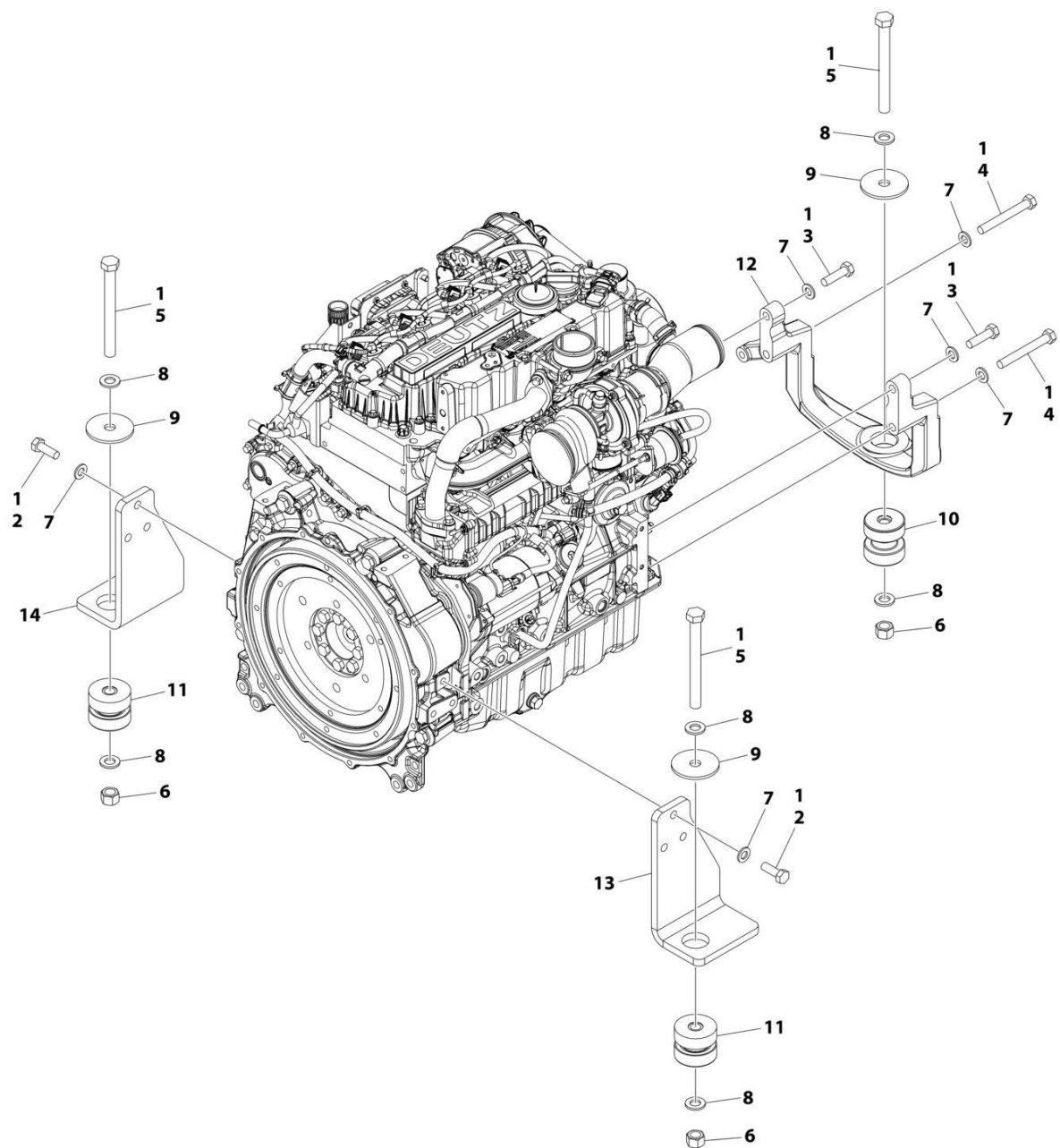
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294181	Ref	ENGINE ASSEMBLY (HRC)	C
	See Note	Ref	Note: Contact JLG Customer Service for availability of additional components.	
		Ref	Air Intake System	
	70007328	1	Turbocharger	
		Ref	Cooling System Components	
	1001291868	1	Pump, Coolant	
	70007603	1	Thermostat	
		Ref	Electrical Components	
	70029512	1	Module, Engine Control (ECM/ECU)	
	70024513	1	Harness, Fuel Filter Sensor	
	70024504	1	Sensor, Fuel Pressure	
	70031142	1	Generator	
	70031143	1	Regulator, Voltage	
	70031144	1	Starter	
	70025231	1	Harness, Glow Plug	
	70028540	1	Sensor, Temperature	
	70026210	2	Sensor, Speed	
	70024507	1	Sensor, Pressure (Air Intake)	
	70000345	4	Plug, Glow	
		Ref	Exhaust Components	
	70004282	8	Bolt, Exhaust Manifold	
	70008434	1	Valve, EGR	
	70007327	1	Valve, EGR Shuttle	
	70031146	1	Muffler	
		Ref	Fuel System Components	
	70030381	1	Pump, High Pressure	
	70004508	1	Valve, Volume Control	
	70025181	4	Injector, Fuel	
	70008422	1	Pump, Fuel Supply (Includes qty 2 Mounting Clamps)	
	70024961	1	Filter, Fuel (Pre-Filter) Assembly	
	1001225430	1	Filter, Fuel	
	70025239	1	Seal	
	70024513	1	Cable, Sensor	
	70024962	1	Filter, Fuel	
		Ref	Gasket & Seal Components	
	70024905	1	Seal, Dipstick	
	70005942	2	Seal, Oil Plug	
	70024906	1	Gasket, Head	
	70005171	1	Gasket, Valve Cover	
	70002718	1	Seal, Rear Main	
	70025135	1	O-Ring, Oil Lube Pump	
	70005173	1	Gasket, Oil Lube Pump	
	70031388	1	Seal, Oil Cooler	
	70005177	1	Gasket, Charge Air Housing	
	70031055	1	O-Ring, Coolant Pump	
	70007325	1	Seal, Coolant Pump	
	70005184	1	O-Ring, Thermostat	
	70005931	1	Seal, Thermostat	
	70025164	1	Gasket, Exhaust Manifold to Head	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70031136	1	Gasket, Exhaust Manifold to Short Exhaust Pipe	
	70007354	1	Gasket, Short Exhaust Pipe to JLG Supplied Exhaust	
	70007326	1	Gasket, EGR Valve	
	70031095	2	Gasket, Exhaust Return Pipe (to Air Intake Housing)	
		Ref	Other Components	
	70001870	1	Flywheel (Includes Ring Gear)	
	7024579	1	Gear, Ring	
	70028699	1	Tensioner, Belt	
	70004277	1	Belt, Drive	
		Ref	Oil Lube System	
	7020465	2	Cap, Oil Fill	
	70006127	1	Dipstick	
	70005941	2	Plug, Oil (Includes Seal)	
	70005172	1	Pump, Oil Lube (Includes O-Ring & Gasket)	
	70024494	1	Oil Cooler	
	7016331	1	Filter, Oil	

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FIGURE 4-5. ENGINE MOUNTS INSTALLATION



ART_1001269154

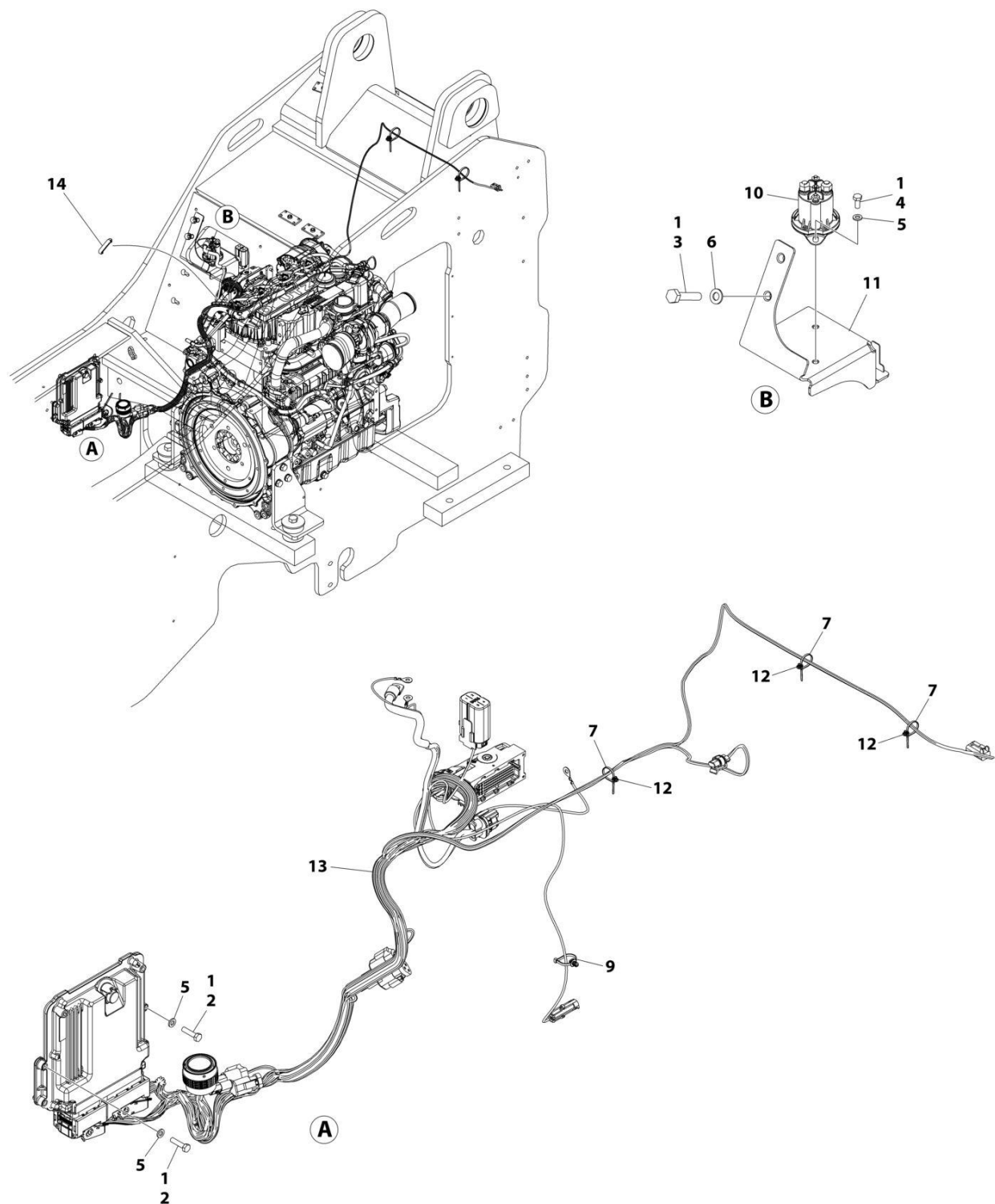
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-5. ENGINE MOUNTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001269154	Ref	ENGINE MOUNTS INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0711215	6	Bolt M12 x 35	
3	0711217	2	Bolt M12 x 45	
4	0711227	2	Bolt M12 x 100	
5	0711633	3	Bolt M16 x 160	
6	3331615	3	Nut M16 x 2	
7	4812100	10	Washer M12	
8	4812300	6	Washer M16	
9	7300435	3	Washer	
10	1001163387	1	Mount, Isolator Engine	
11	1001165660	2	Mount, Isolator Engine	
12	1001270567	1	Bracket	
13	1001270569	1	Bracket	
14	1001270570	1	Bracket	

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FIGURE 4-6. ENGINE ELECTRICAL INSTALLATION



ART_1001298624

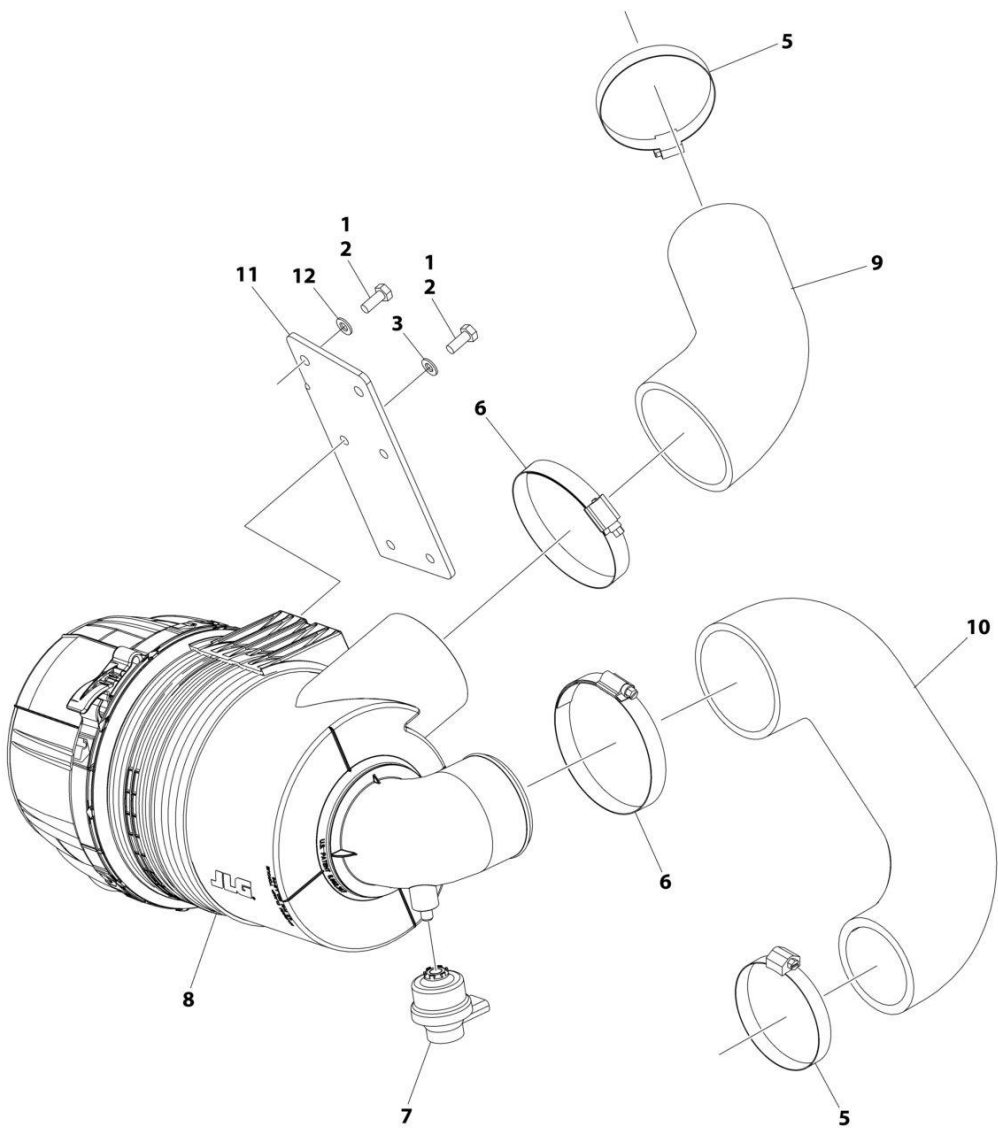
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-6. ENGINE ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001298624	Ref	ENGINE ELECTRICAL INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0700612	4	Bolt M6 x 25	
3	0701018	2	Bolt M10 x 50	
4	0760607	2	Bolt M6 x 14	
5	4811700	6	Washer M6	
6	4812000	2	Washer M10	
7	8584001	6	Tie Wrap	
9	1001146588	1	Strap	
10	1001186417	1	Relay	
11	1001272668	1	Bracket	
12	1001273793	4	Strap	
13	1001295701	1	Engine Harness Assembly (See Separate Breakdown in ELECTRICAL Section)	
14	90206195	AR	Trim-Lok	

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FIGURE 4-7. ENGINE AIR INTAKE INSTALLATION



ART_1001269157

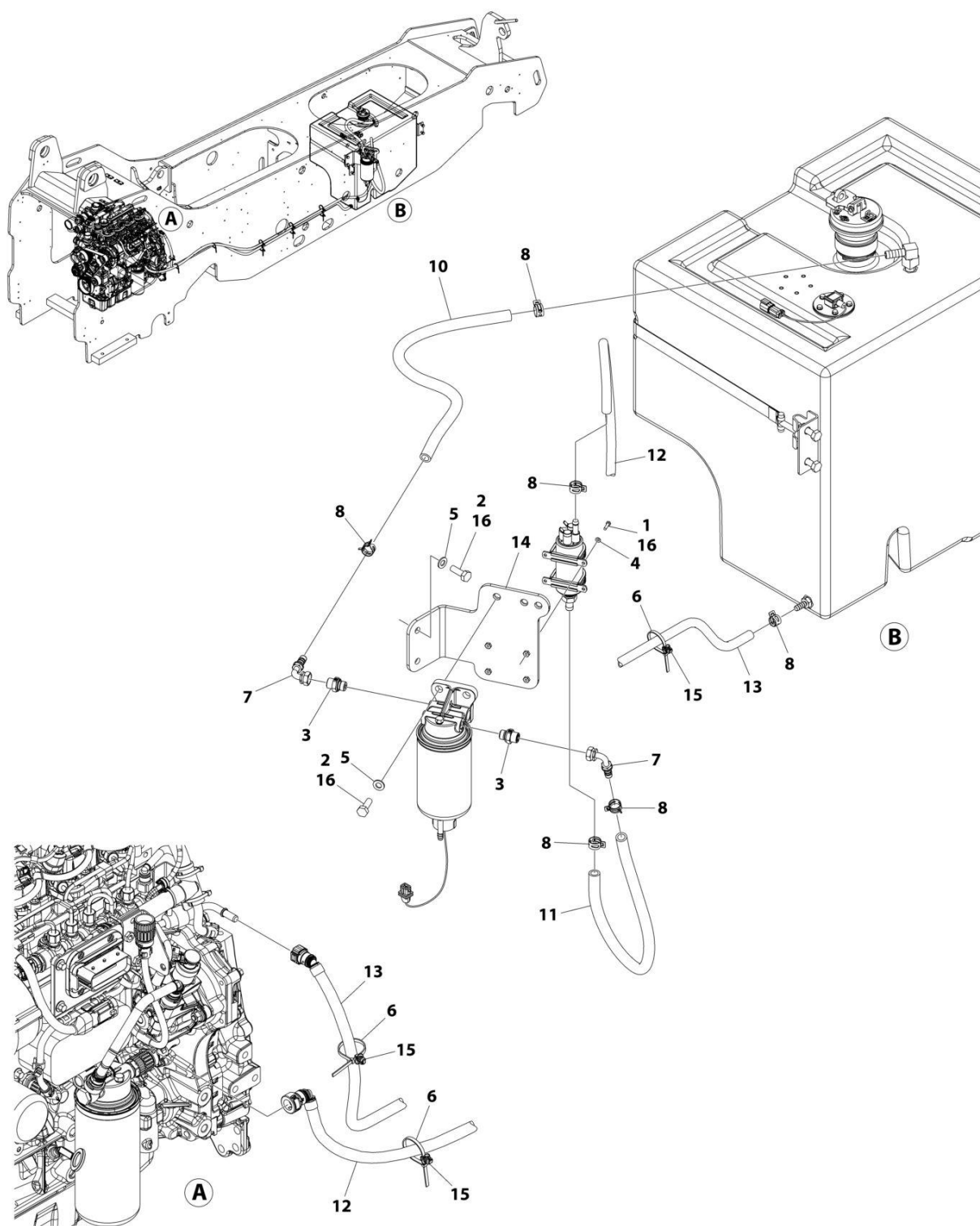
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-7. ENGINE AIR INTAKE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001269157	Ref	ENGINE AIR INTAKE INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0760810	6	Bolt M8 x 20	
3	4811900	4	Washer M8	
5	8410011	2	Gear Clamp	
6	10719267	2	Clamp, Hose	
7	1001166715	1	Restriction, Indicator	
8	1001270735	1	Air Filter Assembly	
8	70025852	1	Element, Primary Filter	
8	70025853	1	Element, Secondary Filter	
9	1001270736	1	Hose	
10	1001270738	1	Hose	
11	1001272540	1	Bracket	
12	4811902	2	Washer M8	

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FIGURE 4-8. ENGINE FUEL SYSTEM INSTALLATION (HRC ENGINES) (Prior to SN 0160145923)



ART_1001269158

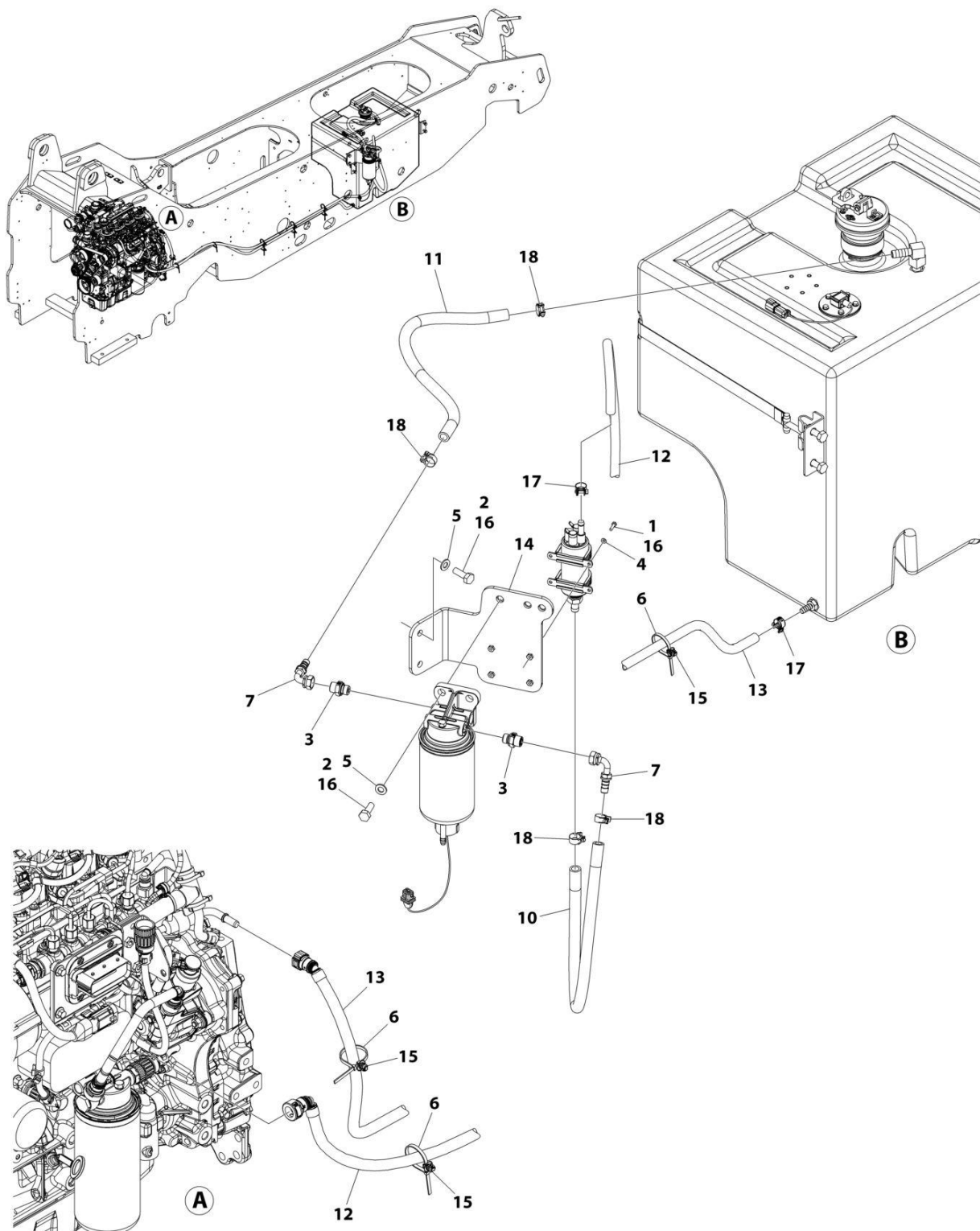
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-8. ENGINE FUEL SYSTEM INSTALLATION (HRC ENGINES) (Prior to SN 0160145923)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001269158	Ref	ENGINE FUEL SYSTEM INSTALLATION (HRC ENGINES)	G
	See Note	Ref	Note: Additional Components (Pumps & Filters) may be listed with Engine and Tanks	
1	0700408	4	Bolt M4 x 16	
2	0701014	4	Bolt M10 x 30	
3	80333207	2	Fitting, Straight	
4	4811400	4	Washer M4	
5	4812000	4	Washer M10	
6	8584001	9	Tie Wrap	
7	1001095301	2	Fitting, 90	
8	1001173535	6	Clamp	
10	1001272319	1	Hose	
11	1001272320	1	Hose	
12	1001272321	1	Hose	
13	1001272322	1	Hose	
14	1001272323	1	Mount, Fuel Filter	
15	1001273793	7	Strap	
16	0100011	AR	Compound, Locking	

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FIGURE 4-9. ENGINE FUEL SYSTEM INSTALLATION (HRC ENGINES) (SN 0160145924 to Present, SN 0160145554 through 0160145555, SN 0160145713 through 0160145715, SN 0160145718 through 0160145721, SN 0160145723 through 0160145724, SN 0160145731 through 0160145735, SN 0160145739 through 0160145747, SN 0160145749 through 0160145753, SN 0160145759 through 0160145760, SN 0160145768 through 0160145772, SN 0160145777 through 0160145778)



ART_1001269158_H

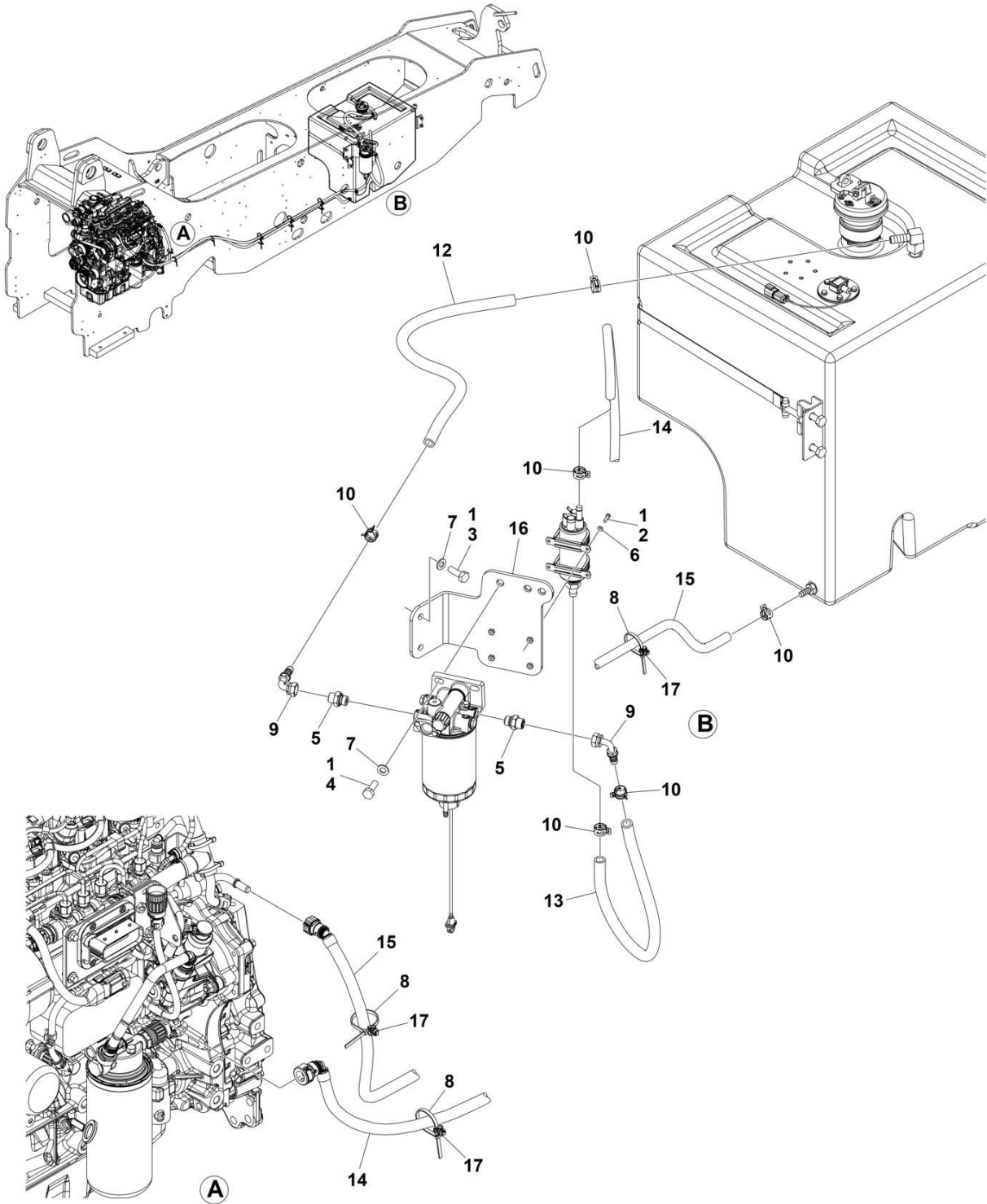
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FIGURE 4-9. ENGINE FUEL SYSTEM INSTALLATION (HRC ENGINES) (SN 0160145924 to Present, SN 0160145554 through 0160145555, SN 0160145713 through 0160145715, SN 0160145718 through 0160145721, SN 0160145723 through 0160145724, SN 0160145731 through 0160145735, SN 0160145739 through 0160145747, SN 0160145749 through 0160145753, SN 0160145759 through 0160145760, SN 0160145768 through 0160145772, SN 0160145777 through 0160145778)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001269158	Ref	ENGINE FUEL SYSTEM INSTALLATION (HRC ENGINES)	H
	See Note	Ref	Note: Additional Components (Pumps & Filters) may be listed with Engine and Tanks	
1	0700408	4	Bolt M4 x 16	
2	0701014	4	Bolt M10 x 30	
3	80333207	2	Fitting, Straight	
4	4811400	4	Washer M4	
5	4812000	4	Washer M10	
6	8584001	9	Tie Wrap	
7	1001095301	2	Fitting, 90	
10	1001272319	1	Hose	
11	1001272320	1	Hose	
12	1001272321	1	Hose	
13	1001272322	1	Hose	
14	1001272323	1	Mount, Fuel Filter	
15	1001273793	7	Strap	
16	0100011	AR	Compound, Locking	
17	1001136975	2	Clamp	
18	1001175568	4	Clip	

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FIGURE 4-10. ENGINE FUEL SYSTEM INSTALLATION (LRC ENGINES)



ART_1001272236

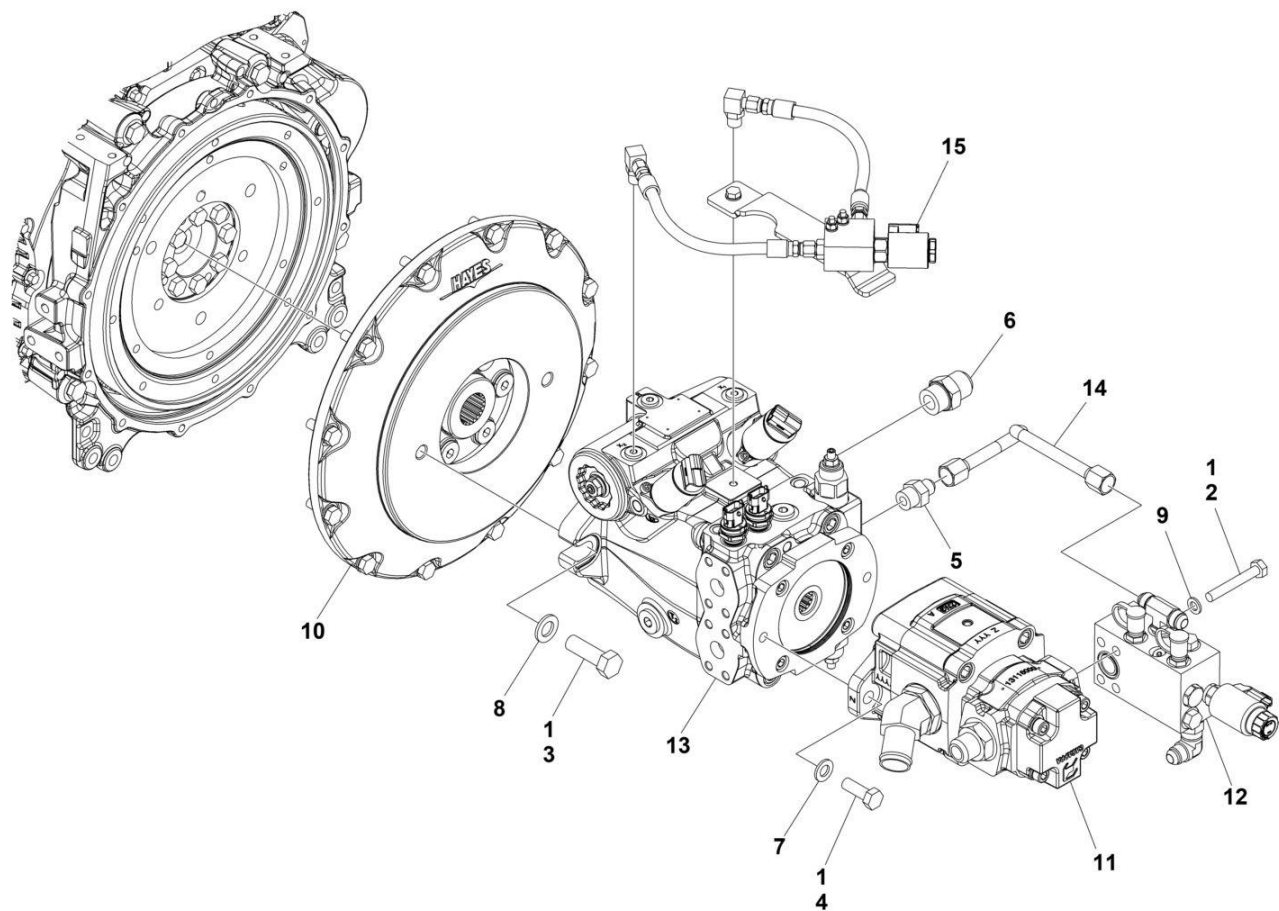
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-10. ENGINE FUEL SYSTEM INSTALLATION (LRC ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001272236	Ref	ENGINE FUEL SYSTEM INSTALLATION (LRC ENGINES)	D
	See Note	Ref	Note: Additional Components (Pumps & Filters) may be listed with Engine and Tanks	
1	0100011	AR	Compound, Locking	
2	0700408	4	Bolt M4 x 16	
3	0701014	2	Bolt M10 x 30	
4	0701015	2	Bolt M10 x 35	
5	2144606	2	Fitting, Straight	
6	4811400	4	Washer M4	
7	4812000	4	Washer M10	
8	8584001	9	Wrap, Tie	
9	1001095301	2	Fitting, 90	
10	1001173535	6	Clamp	
12	1001272319	1	Hose	
13	1001272320	1	Hose	
14	1001272321	1	Hose	
15	1001272322	1	Hose	
16	1001272323	1	Mount, Fuel Filter	
17	1001273793	7	Strap	

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FIGURE 4-11. ENGINE PUMPS INSTALLATION



ART_1001286202_D

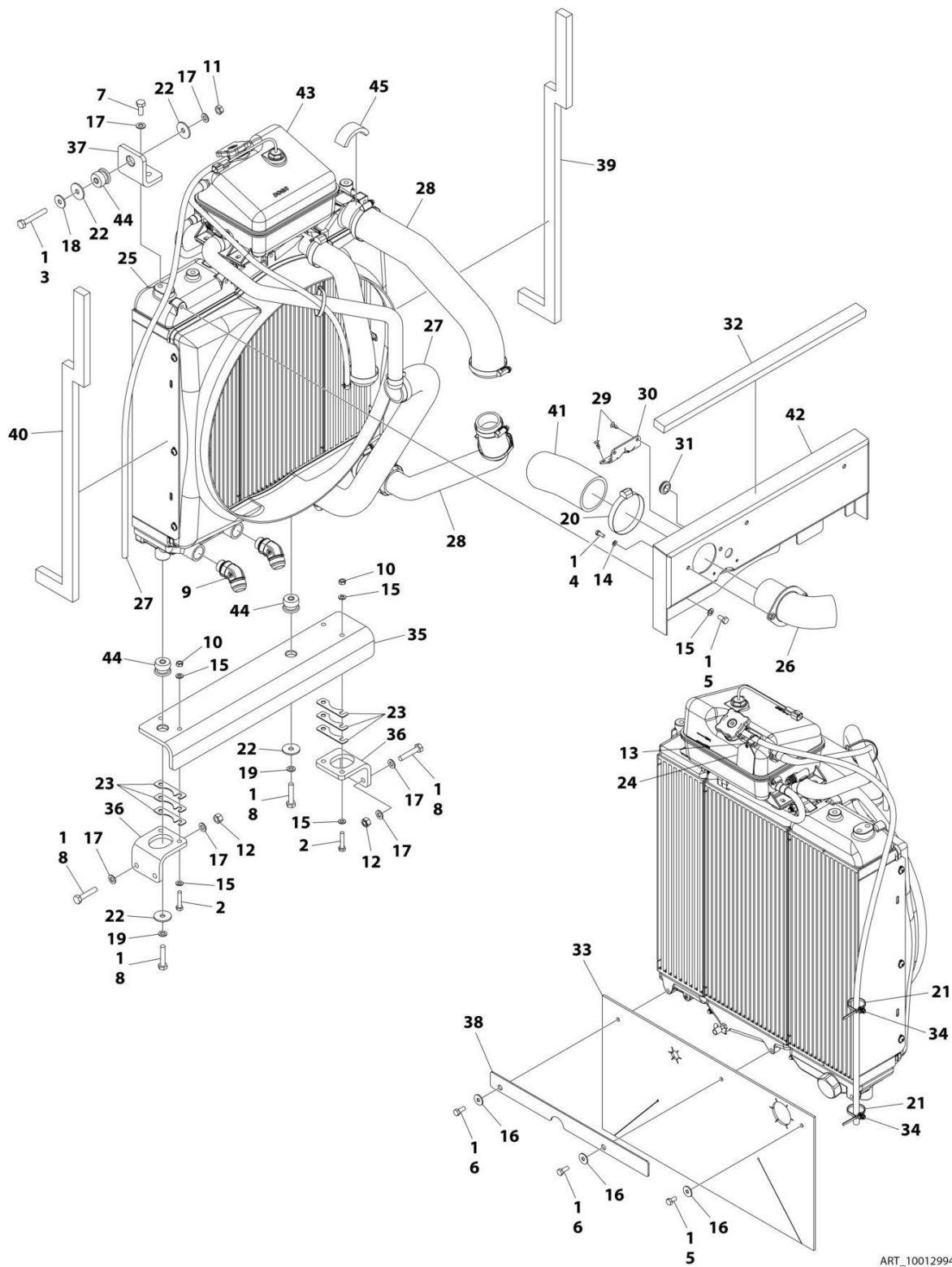
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-11. ENGINE PUMPS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286202	Ref	ENGINE PUMPS INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0701022	4	Bolt M10 x 70	
3	0701618	2	Bolt M16 x 50	
4	0711215	2	Bolt M12 x 35	
5	2220373	1	Fitting, Straight JIC/ORB	
6	2220408	1	Fitting, Straight JIC/ORB	
7	4812100	2	Washer M12	
8	4812300	2	Washer M16	
9	4832000	4	Washer M10	
10	1001268480	1	Pump Mounting Kit (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
11	1001270643	1	Pump and Fittings Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
12	1001270650	1	Diverter Valve Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
13	1001286197	1	Pump and Fittings Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
14	1001289930	1	Diverter, Pipe	
15	1001277451	1	Valve Installation - WatchDog (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

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FIGURE 4-12. ENGINE COOLING SYSTEM INSTALLATION



ART_1001299469

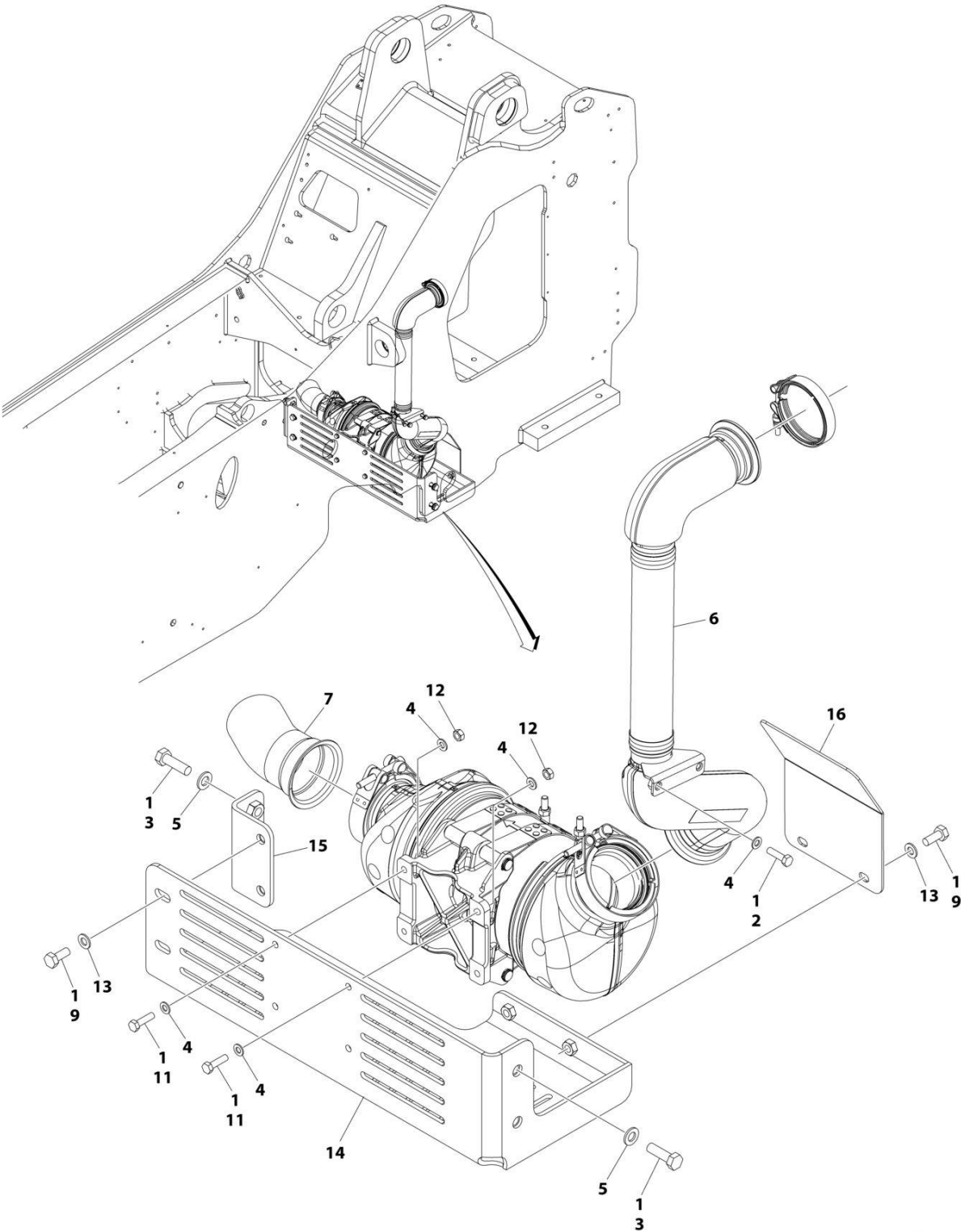
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FIGURE 4-12. ENGINE COOLING SYSTEM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001299469	Ref	ENGINE COOLING SYSTEM INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0700816	4	Bolt M8 x 40	
3	0701024	1	Bolt M10 x 80	
4	0760608	2	Bolt M6 x 16	
5	0760808	5	Bolt M8 x 16	
6	0760810	2	Bolt M8 x 20	
7	0761012	2	Bolt M10 x 25	
8	0761018	6	Bolt M10 x 50	
9	2220637	2	Fitting	
10	3290801	4	Nut M8 x 1/4	
11	3291001	1	Nut M10 x 1/2	
12	3291005	4	Nut M10 x 1/2	
13	4240032	1	Tie-Strap	
14	4811700	2	Washer M6	
15	4811900	12	Washer M8	
16	4811902	3	Washer M8	
17	4812000	11	Washer M10	
18	4812002	1	Washer M10	
19	4832000	2	Washer M10	
20	8410011	1	Clamp	
21	8584001	2	Tie Wrap, Plastic	
22	1001155540	4	Washer	
23	1001179845	AR	Shim	
24	1001260945	1	Tag	
25	1001269494	1	Radiator	
26	1001270741	1	Pipe, Air Intake	
27	1001306413	1	Coolant Lines Installation (See Separate Breakdown in this Section)	
28	1001270942	1	Radiator Hoses Installation (See Separate Breakdown in this Section)	
29	1001272065	4	Screw	
30	1001272067	1	Panel	
31	1001272068	1	Grommet	
32	1001272070	1	Seal	
33	1001272106	1	Panel	
34	1001273793	2	Strap	
35	1001274068	1	Bracket	
36	1001274069	2	Support	
37	1001274070	1	Support	
38	1001283423	1	Plate, Air Dam Lower	
39	1001283860	1	Seal	
40	1001283861	1	Seal	
41	1001286771	1	Hose	
42	1001289320	1	Plate	
43	1001299463	1	Surge Tank Installation (See Separate Breakdown in this Section)	
44	1001271070	3	Mount, Isolator	
45	1001283782	1	Seal	

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FIGURE 4-13. ENGINE EXHAUST INSTALLATION



ART_1001268926

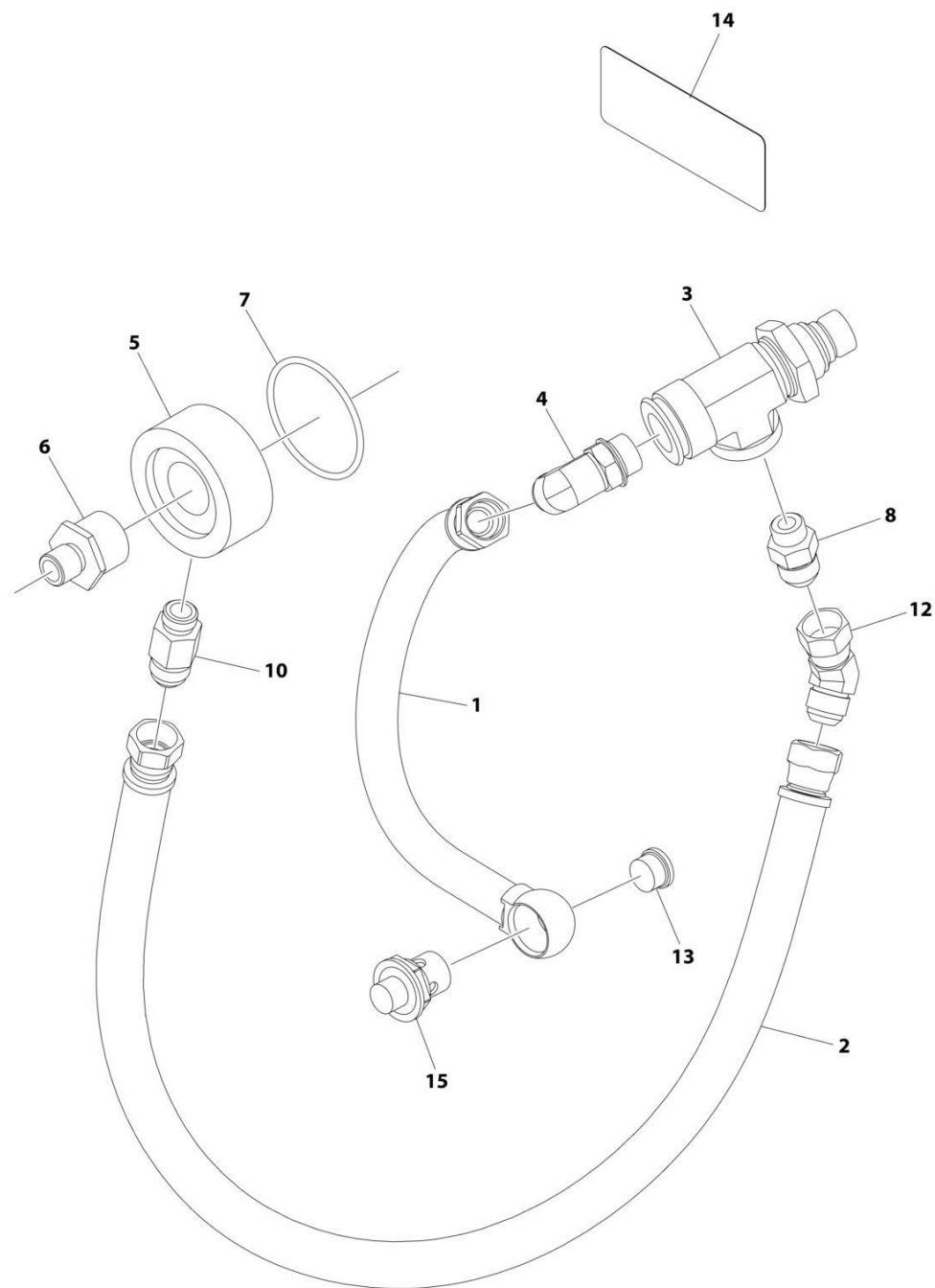
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-13. ENGINE EXHAUST INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268926	Ref	ENGINE EXHAUST INSTALLATION	F
	See Note	Ref	Note: Additional Components (Muffler) may be listed with Engine	
1	0100011	AR	Compound, Locking	
2	0700816	2	Bolt M8 x 40	
3	0761217	4	Bolt M12 x 45	
4	4811900	10	Washer M8	
5	4812100	4	Washer M12	
6	1001278592	1	Pipe, Exhaust	
7	1001286893	1	Pipe, Exhaust	
9	0761012	4	Bolt M10 x 25	
11	0770814	4	Bolt M8 x 30	
12	3290801	4	Nut M8 x 1/4	
13	4812000	4	Washer M10	
14	1001282928	1	Support	
15	1001282992	1	Bracket	
16	1001271068	1	Plate	

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FIGURE 4-14. ENGINE OIL QUICK DRAIN INSTALLATION



ART_1001281690

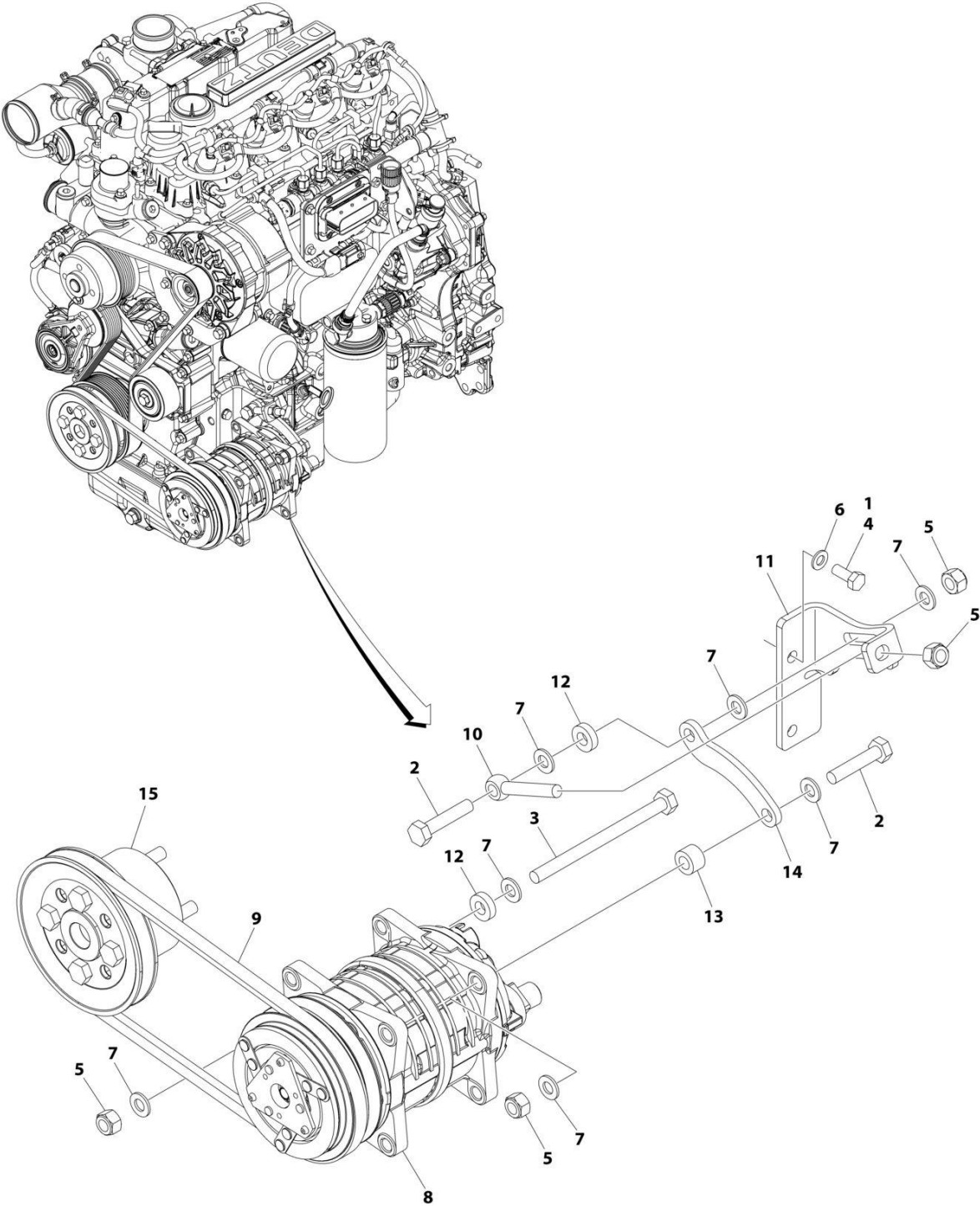
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FIGURE 4-14. ENGINE OIL QUICK DRAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281690	Ref	ENGINE OIL QUICK DRAIN INSTALLATION	D
1	1001278909	1	Hose	
2	1001278910	1	Hose	
3	1001281298	1	Valve, Small Quickfit	
4	1001281301	1	Fitting, 90	
5	1001281309	1	Filter, Ring	
6	1001281310	1	Fitting, Straight	
7	1001281311	1	O-Ring	
8	1001281302	1	Fitting, Straight	
9	1001281656	AR	Tie-Strap (Not Shown)	
10	1001281657	1	Valve, Check	
11	1001281658	AR	Strap, Cable (Not Shown)	
12	1001284291	1	Fitting, 45	
13	1001281304	1	Plug, Quickfit	
14	1001281360	1	Decal - RPM Quickfit	
15	1001282157	1	Fitting, Banjo	

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FIGURE 4-15. AC PUMP INSTALLATION



ART_1001268975

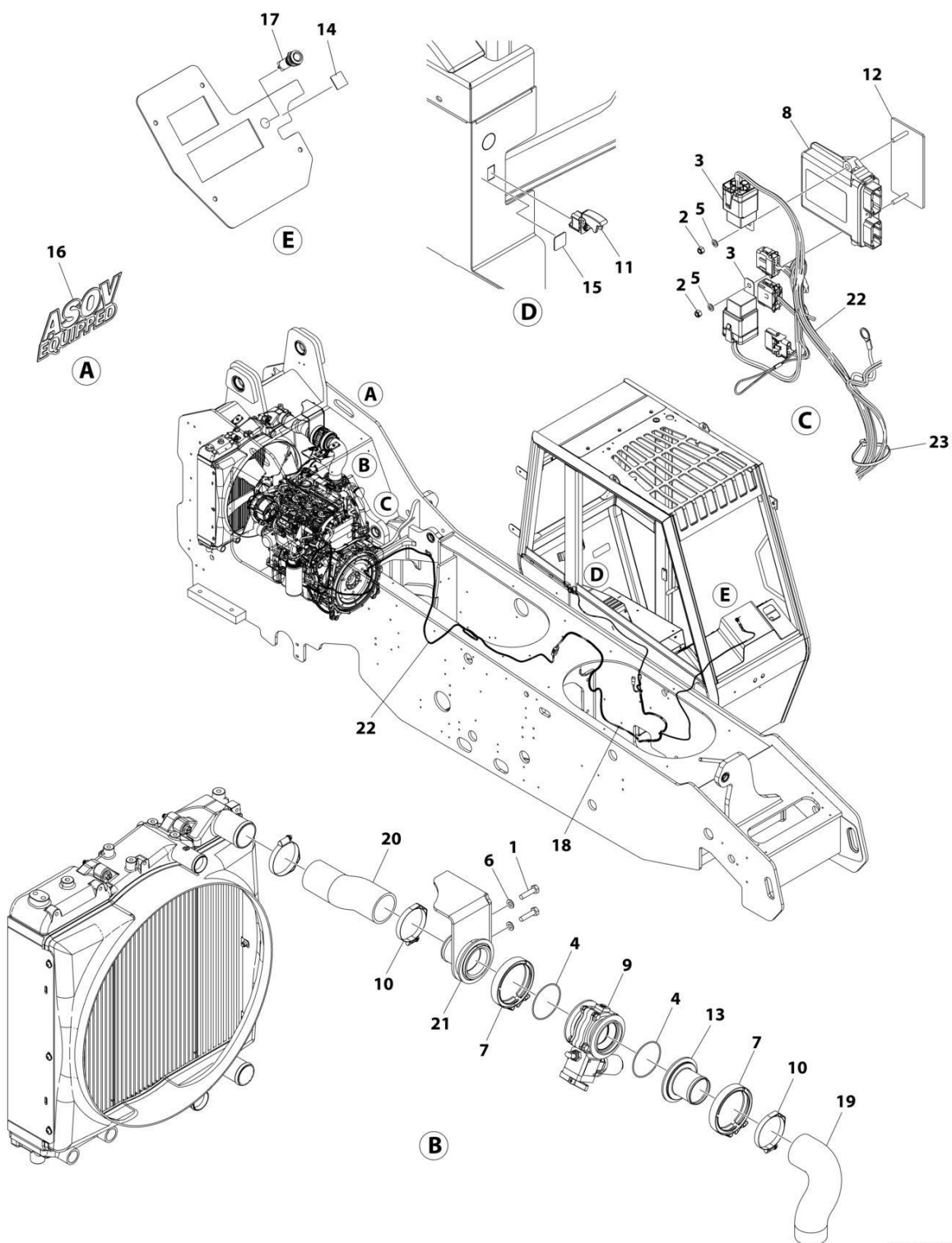
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FIGURE 4-15. AC PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268975	Ref	AC PUMP INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0701018	2	Bolt M10 x 50	
3	0701031	1	Bolt M10 x 140	
4	0770810	2	Bolt M8 x 20	
5	3291005	4	Nut M10 x 1/2	
6	4811900	2	Washer M8	
7	4812000	7	Washer M10	
8	1001107339	1	Compressor, AC (Sold as Assembly Only)	
9	1001283127	1	Belt	
10	1001144375	1	Rod End	
11	1001272326	1	Bracket	
12	1001272336	2	Spacer	
13	1001272337	1	Spacer	
14	1001272338	1	Plate	
15	1001272535	1	Sheave	

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FIGURE 4-16. AIR SHUT-OFF VALVE (ASOV) INSTALLATION



ART_1001271100

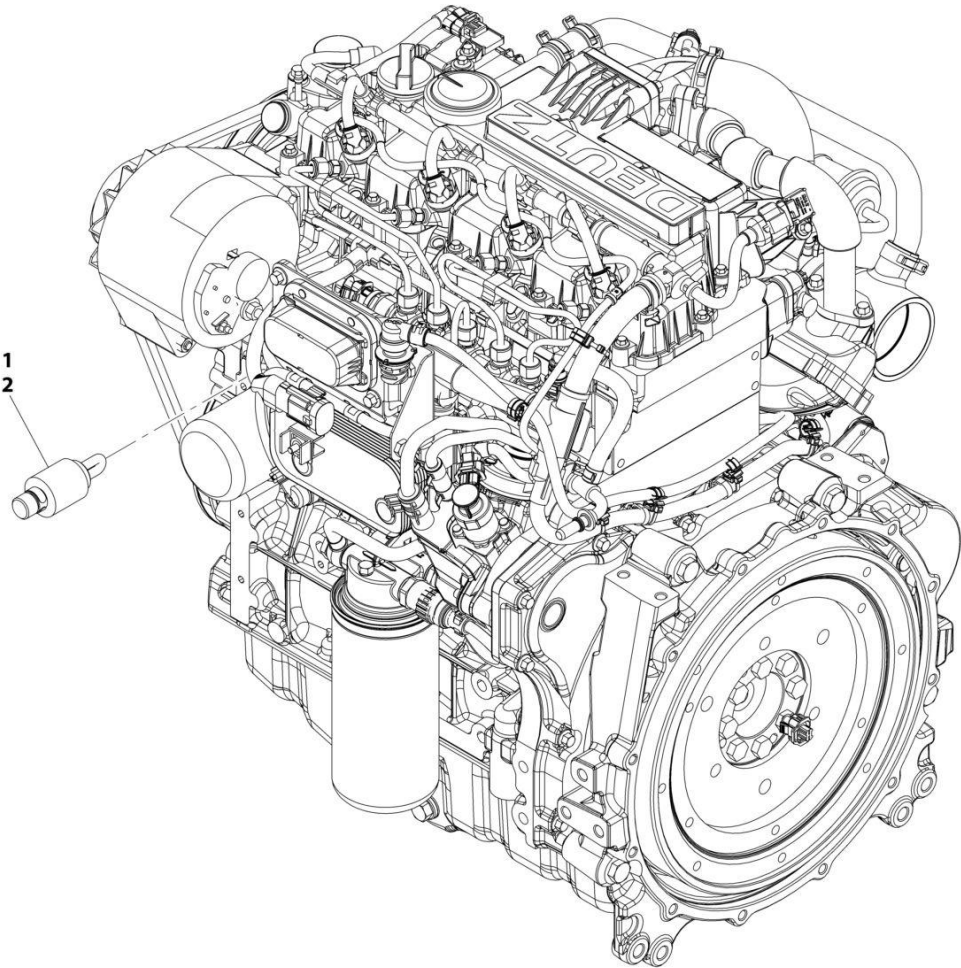
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FIGURE 4-16. AIR SHUT-OFF VALVE (ASOV) INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001271100	Ref	AIR SHUT-OFF VALVE (ASOV) INSTALLATION	A
1	0701016	2	Bolt M10 x 40	
2	3290505	2	Nut M5 Grade 8	
3	3740080	2	Relay	
4	3790152	2	Ring	
5	4811600	2	Washer M5	
6	4812000	2	Washer M10	
7	1001202247	2	Clamp	
8	1001203181	1	Accessory, Control	
9	1001204032	1	Air Shut-Off Valve Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
10	1001215022	2	Clamp	
11	1001215941	1	Switch	
12	1001219082	1	Bracket	
13	1001223628	1	Adapter	
14	1001227077	1	Decal, Air Shut Off	
15	1001227964	1	Decal, ASOV Test	
16	1001227989	1	Decal, ASOV Equipped	
17	1001239539	1	Lamp	
18	1001277303	1	Air Shut-Off Valve Harness - Posi (See Separate Breakdown in ELECTRICAL Section)	
19	1001278968	1	Hose	
20	1001278969	1	Hose	
21	1001278971	1	Bracket	
22	1001286623	1	Air Shut-Off Valve Harness - Engine (See Separate Breakdown in ELECTRICAL Section)	
23	1001008559	1	Tie-Strap	

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FIGURE 4-17. BLOCK HEATER INSTALLATION (ANSI)



ART_1001139683-B

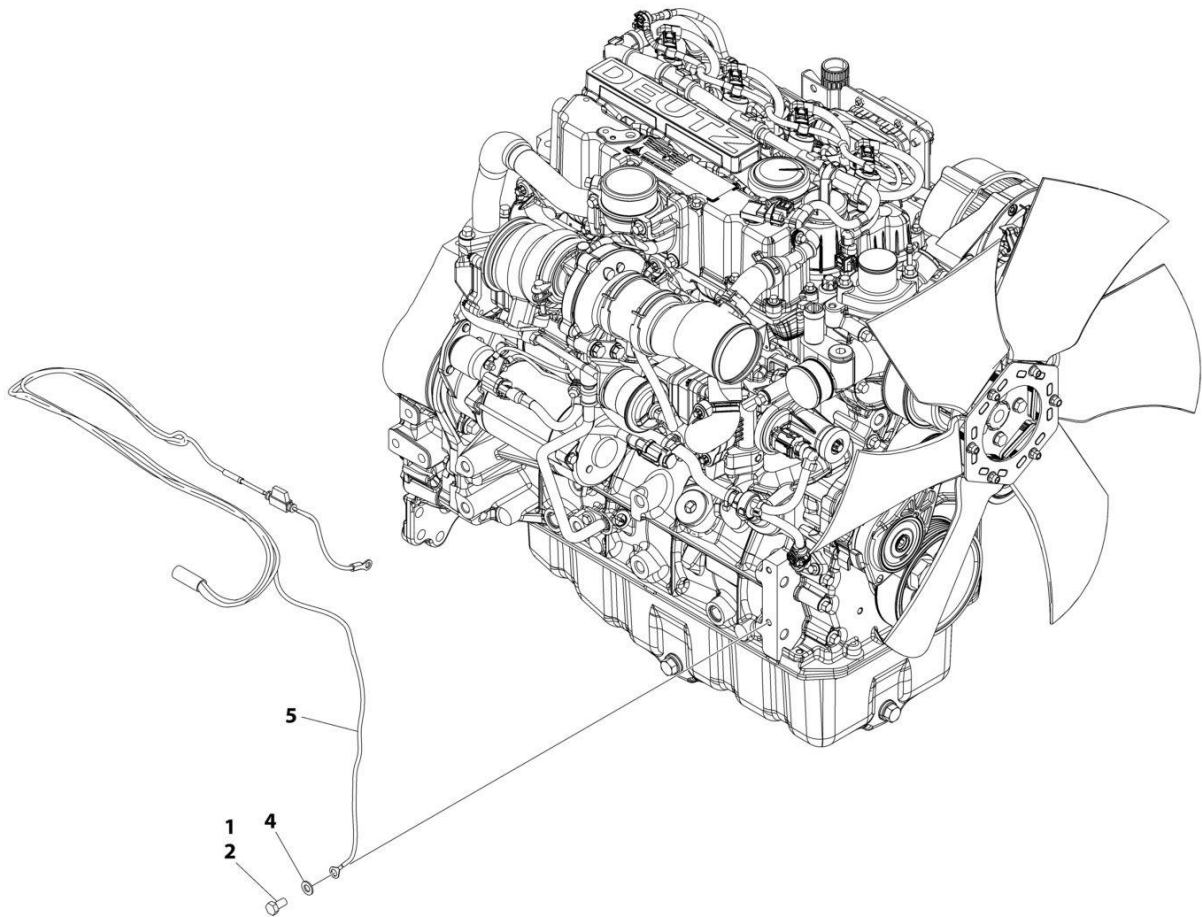
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FIGURE 4-17. BLOCK HEATER INSTALLATION (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001139683	Ref	BLOCK HEATER INSTALLATION	C
	1001181895	AR	Compound, Locking	
	1001140312	1	Block Heater	

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FIGURE 4-18. BREATHER HEATER INSTALLATION



ART_1001277911

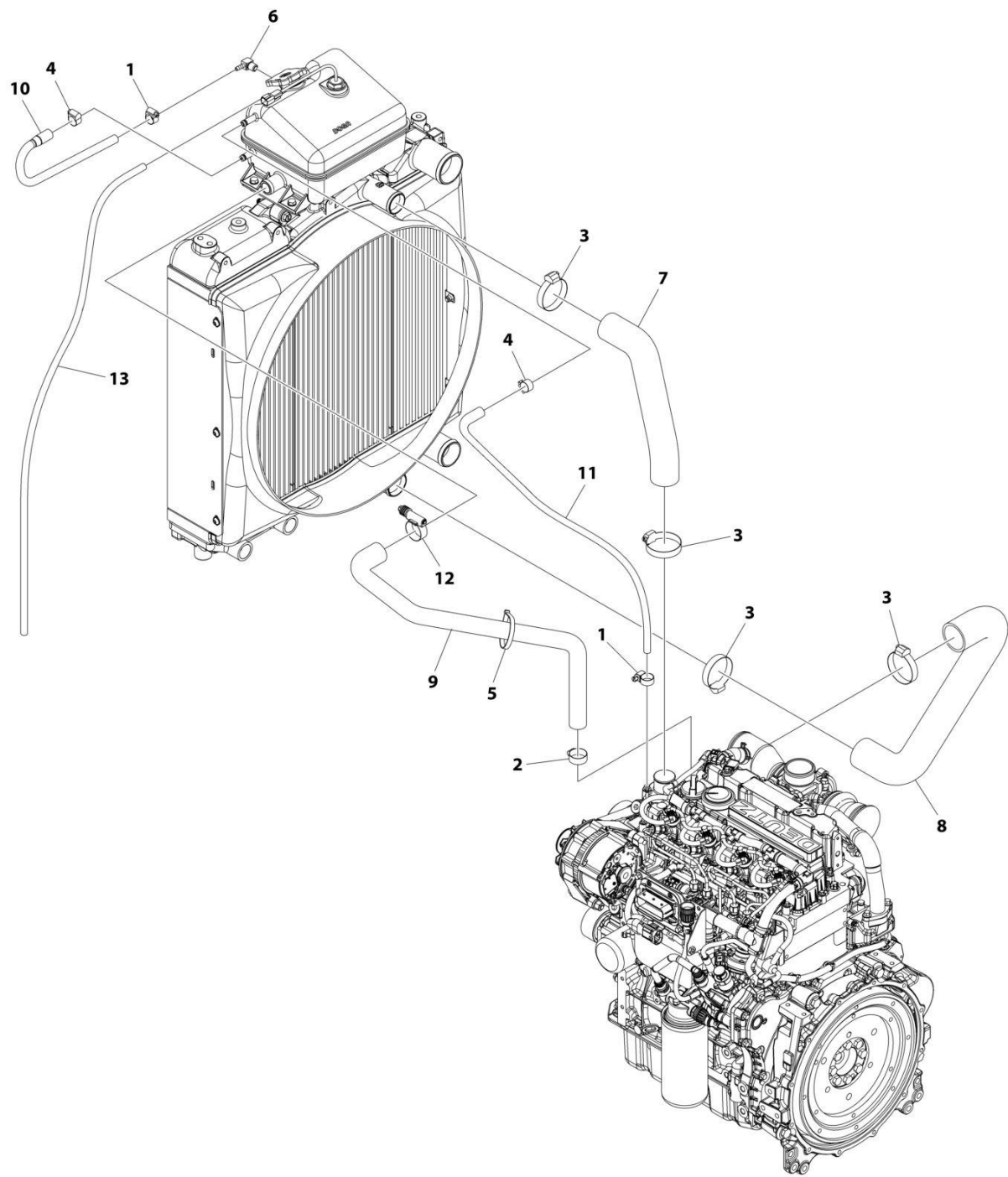
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FIGURE 4-18. BREATHER HEATER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277911	Ref	BREATHER HEATER INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0760808	1	Bolt M8 x 16	
3	4240099	AR	Tie-Strap	
4	4811900	1	Washer M8	
5	1001243895	1	Breather Heater Harness	

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FIGURE 4-19. COOLING LINES INSTALLATION



ART_1001306413

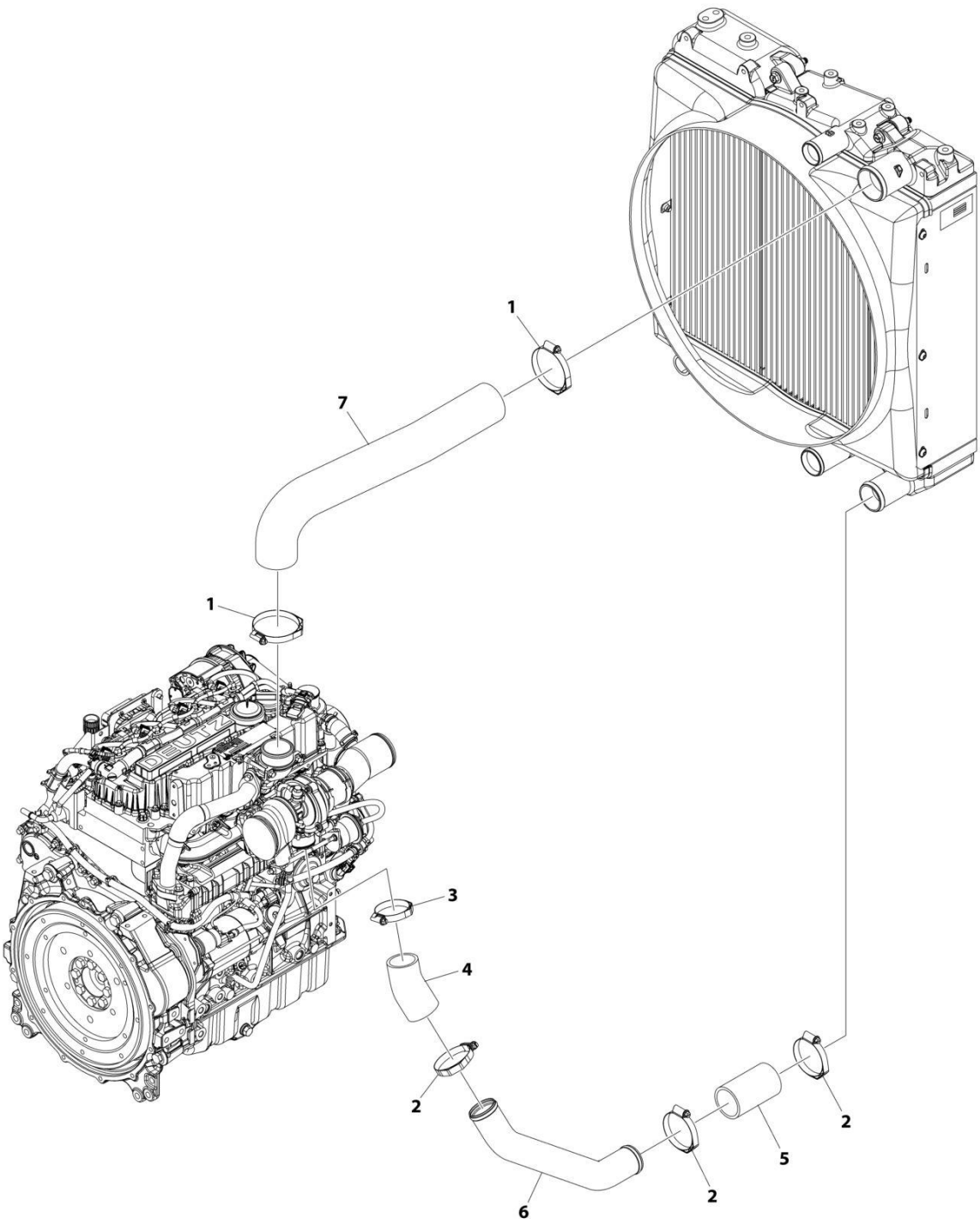
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FIGURE 4-19. COOLING LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306413	Ref	COOLING LINES INSTALLATION	A
1	1320022	2	Clamp	
2	8405007	1	Clamp	
3	8405201	4	Clamp	
4	8410013	2	Clamp	
5	8584003	1	Cable, Tie	
6	1001134488	1	Fitting, 90	
7	1001272058	1	Hose	
8	1001272059	1	Hose	
9	1001272060	1	Hose	
10	1001273980	1	Hose	
11	1001273979	1	Hose	
12	1001289241	1	Clamp	
13	1001307695	1	Hose	

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FIGURE 4-20. RADIATOR HOSES INSTALLATION



ART_1001270942

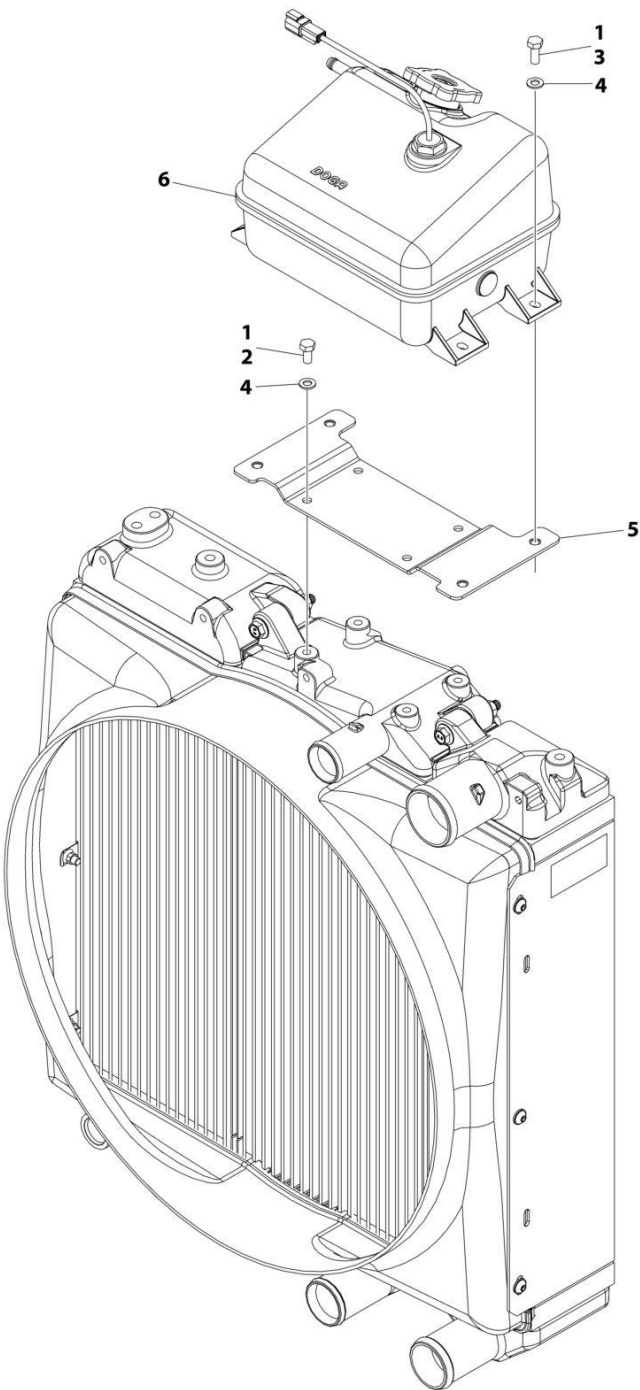
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FIGURE 4-20. RADIATOR HOSES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270942	Ref	RADIATOR HOSES INSTALLATION	B
1	1001215022	2	Clamp	
2	1001215023	3	Clamp	
3	1001215024	1	Clamp	
4	1001271458	1	Coupling	
5	1001271459	1	Coupling	
6	1001272062	1	Tube	
7	1001273764	1	Hose	

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FIGURE 4-21. SURGE TANK INSTALLATION



ART_1001299463

SECTION 4 - ENGINE AND ATTACHING PARTS

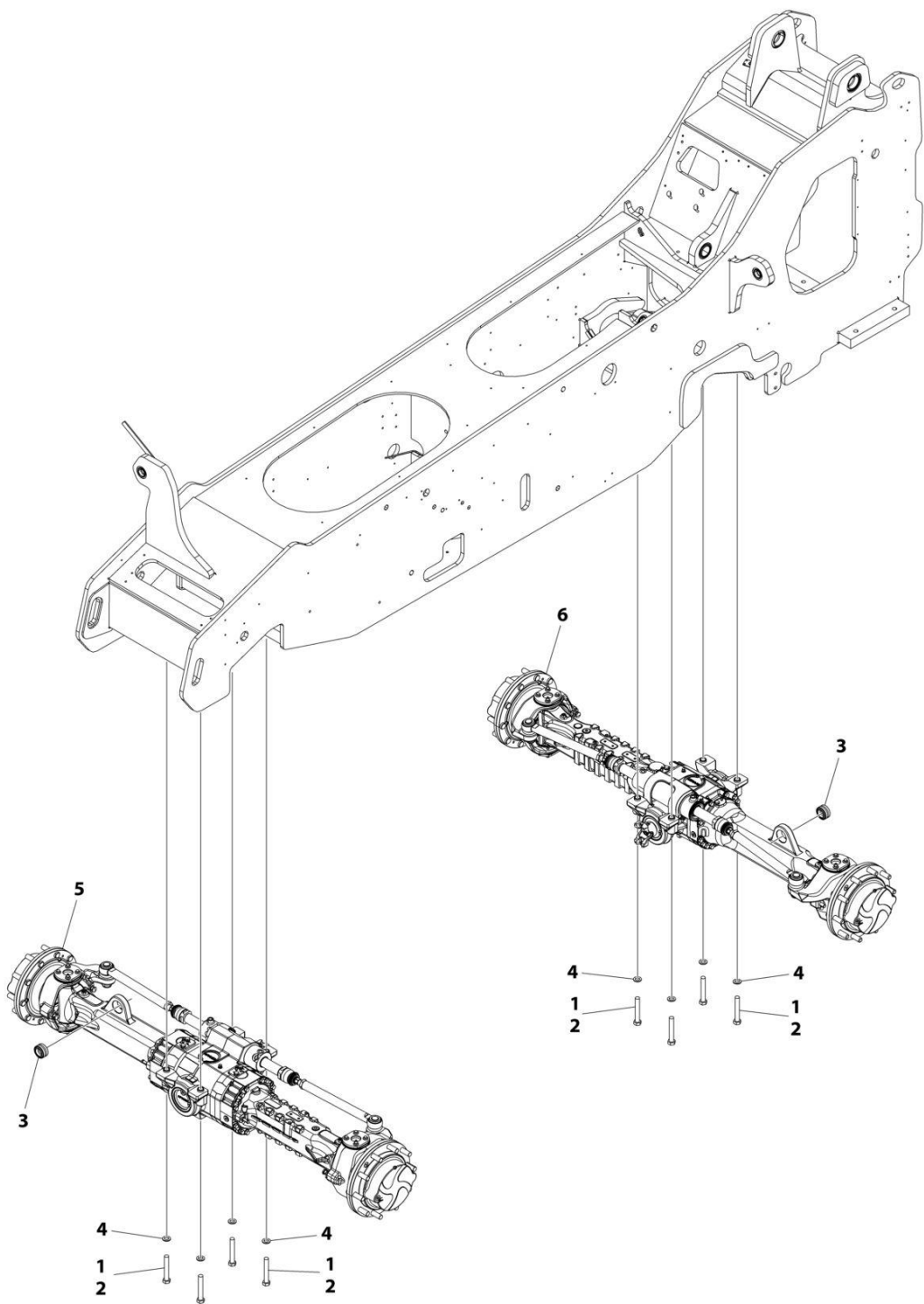
FIGURE 4-21. SURGE TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001299463	Ref	SURGE TANK INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0760808	4	Bolt M8 x 16	
3	0760810	4	Bolt M8 x 20	
4	4811900	8	Washer M8	
5	1001272079	1	Bracket	
6	1001299125	1	Tank	

SECTION 5 - DRIVE TRAIN

SECTION 5 - DRIVE TRAIN

FIGURE 5-1. AXLES INSTALLATION



ART_1001286273

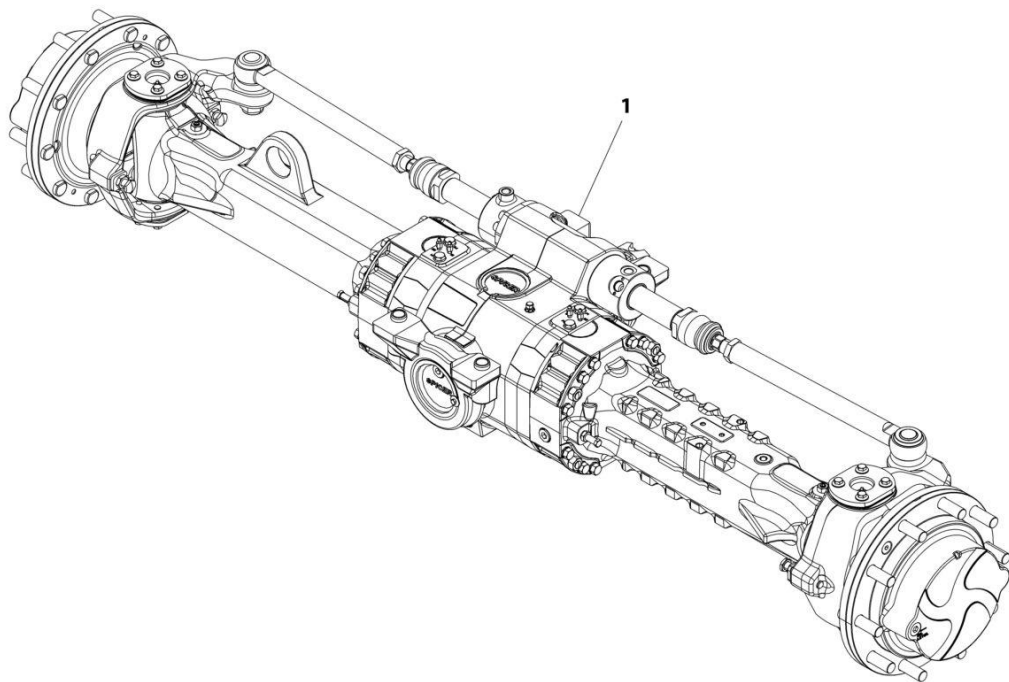
SECTION 5 - DRIVE TRAIN

FIGURE 5-1. AXLES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286273	Ref	AXLES INSTALLATION	B
1	0100019	AR	Compound, Locking	
2	0712030	8	Bolt M20 x 130	
3	8050001	2	Bearing, Self-Align	
4	8310620	8	Washer M20	
5	1001288228	1	Axle Assembly - Front (See Separate Breakdown in this Section)	
6	1001288229	1	Axle Assembly - Rear (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-2. FRONT AXLE ASSEMBLY



ART_1001288228_1OF8

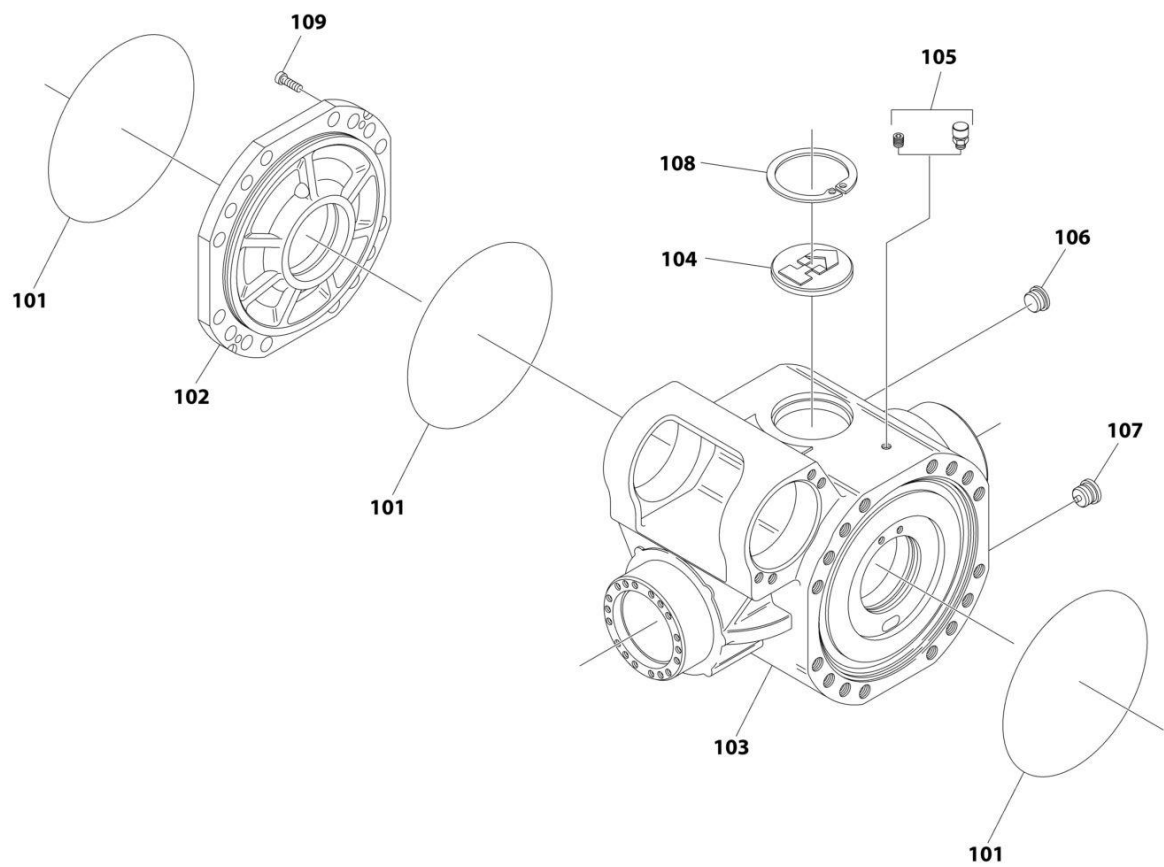
SECTION 5 - DRIVE TRAIN

FIGURE 5-2. FRONT AXLE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288228	Ref	FRONT AXLE ASSEMBLY	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 (1) (See Separate Breakdown in this Section)	
		Ref	Front Axle, Hub Reduction (2) (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)	
		Ref	Front Axle, Trunion (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-3. FRONT AXLE, CENTRAL HOUSING



ART_1001288228_2OF8

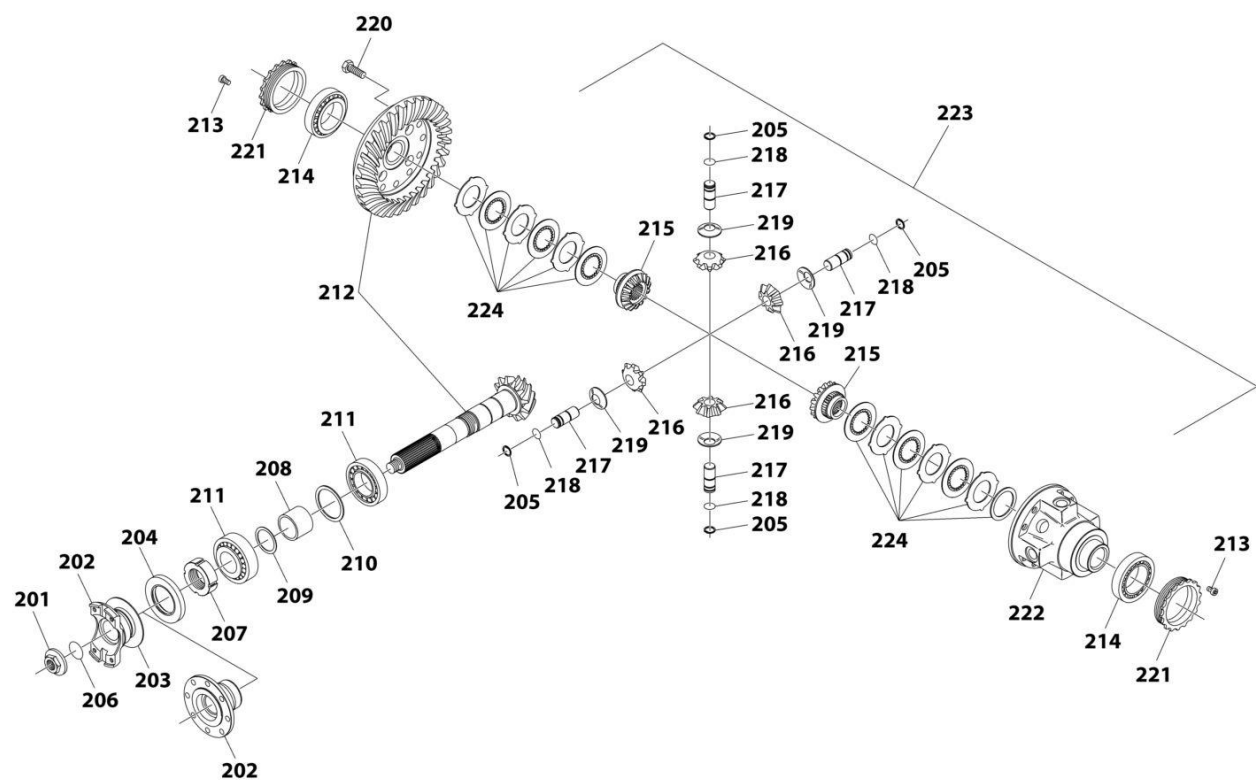
SECTION 5 - DRIVE TRAIN

FIGURE 5-3. FRONT AXLE, CENTRAL HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288228	Ref	FRONT AXLE, CENTRAL HOUSING	D
101	91474507	3	O-Ring	
102	70024872	1	Cover	
103	70026749	1	Housing	
104	91514098	1	Plug	
105	70028464	1	Vent	
106	91514188	1	Plug	
107	7028706	1	Plug - Magnet	
108	80204005	1	Circlip	
109	3969108	4	Bolt	

SECTION 5 - DRIVE TRAIN

FIGURE 5-4. FRONT AXLE, DIFFERENTIAL



ART_1001288228_3OF8

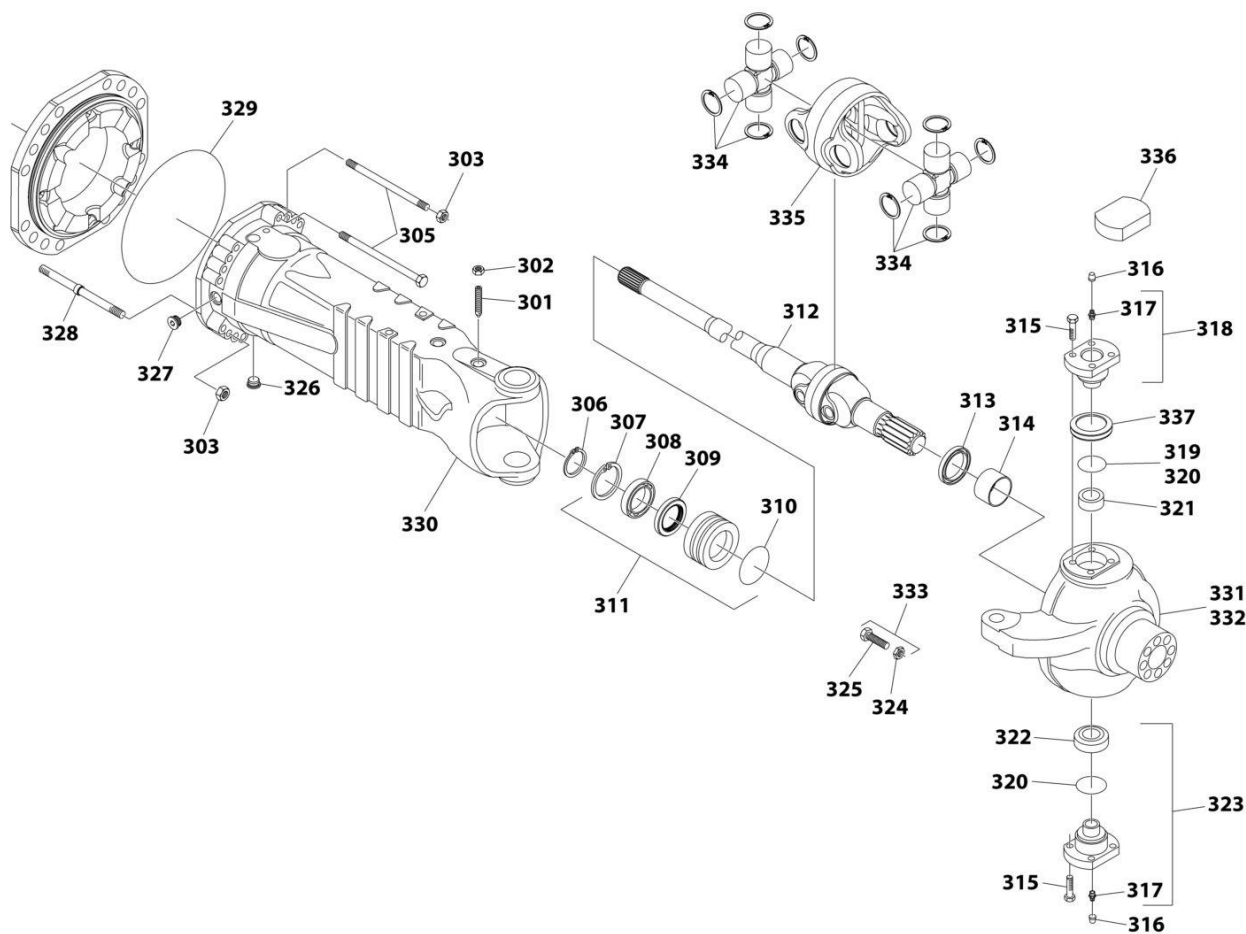
SECTION 5 - DRIVE TRAIN

FIGURE 5-4. FRONT AXLE, DIFFERENTIAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288228	Ref	FRONT AXLE, DIFFERENTIAL	D
201	70026631	1	Nut	
202	7029427	1	Flange	
203	91474531	1	Plate	
204	70024522	1	Seal	
205	91474550	4	Circlip	
206	91474529	1	O-Ring	
207	91474533	1	Nut, Ring	
208	91474539	1	Spacer	
209	70025556	1	Shim	
210	70025555	1	Shim	
211	3968141	2	Bearing, Taper Roller	
212	70025554	1	Bevel Gear Set	
213	91514134	2	Bolt	
214	70031477	2	Braring, Taper Roller	
215	91474549	2	Gear, Differential Side	
216	91474554	4	Differential pinion	
217	7029131	4	Pin and Circlip Kit	
218	91474551	4	Circlip	
219	91474553	4	Washer, Friction	
220	70031478	12	Bolt	
221	91474547	2	Nut, Ring	
222	91474555	1	Carrier, Differential	
223	70028940	1	Slip Differential (Includes #205, 215-219, 222 & 229)	
224	8007755	2	Clutch DiscKit	

SECTION 5 - DRIVE TRAIN

FIGURE 5-5. FRONT AXLE, HUB REDUCTION (1)



ART_1001288228_4OF8

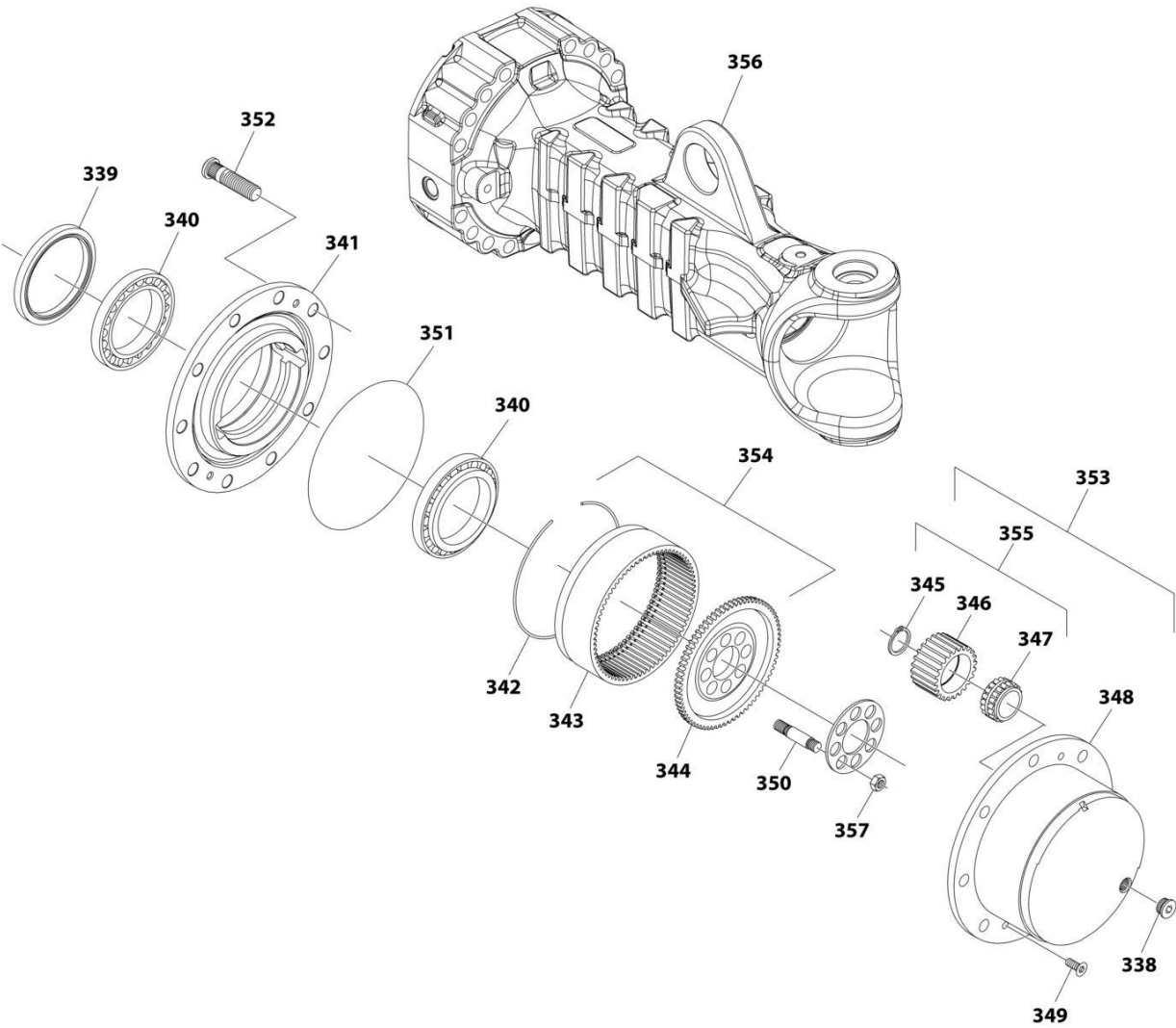
SECTION 5 - DRIVE TRAIN

FIGURE 5-5. FRONT AXLE, HUB REDUCTION (1)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288228	Ref	FRONT AXLE, HUB REDUCTION (1)	D
301	2400600	2	Bolt	
302	91514082	2	Nut	
303	91514083	8	Nut	
305	70024207	24	Bolt	
306	80204071	2	Circlip	
307	80204005	2	Circlip	
308	70031185	2	Ball Bearing	
309	91514147	2	Seal	
310	91514148	2	O-Ring	
311	70031186	2	Reduction Bushing (includes #307 - 310)	
312	70031479	2	Double Joint	
313	8007771	2	Seal	
314	70031480	1	Thrust Bushing	
315	70025562	20	Bolt	
316	80204117	4	Plug	
317	91514099	2	Grease Fitting	
318	70031481	2	Pivot Pin (Includes #317)	
319	2401043	2	Seal	
320	70031482	2	Seal	
321	70029272	2	Bushing	
322	2401258	2	Articulation	
323	8006605	2	Pivot Pin (Includes #320 & 322)	
324	2401305	4	Nut	
325	91514117	4	Bolt	
326	7028706	2	Magnetic Plug	
327	91514188	4	Plug	
328	70031009	8	Stud	
329	91474507	2	O-Ring	
330	70031483	1	Axle Case	
331	70031484	1	Steering Case - Left	
332	70031485	1	Steering Case - Right	
333	7028733	4	Steering Adjust Bolt Kit (Includes #324 & 325)	
334	70030993	2	Joint Cross	
335	70030994	1	Joint Center Section	
336	70028392	2	Cover	
337	70031487	2	Spring	

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FIGURE 5-6. FRONT AXLE, HUB REDUCTION (2)



ART_1001288228_5OF8

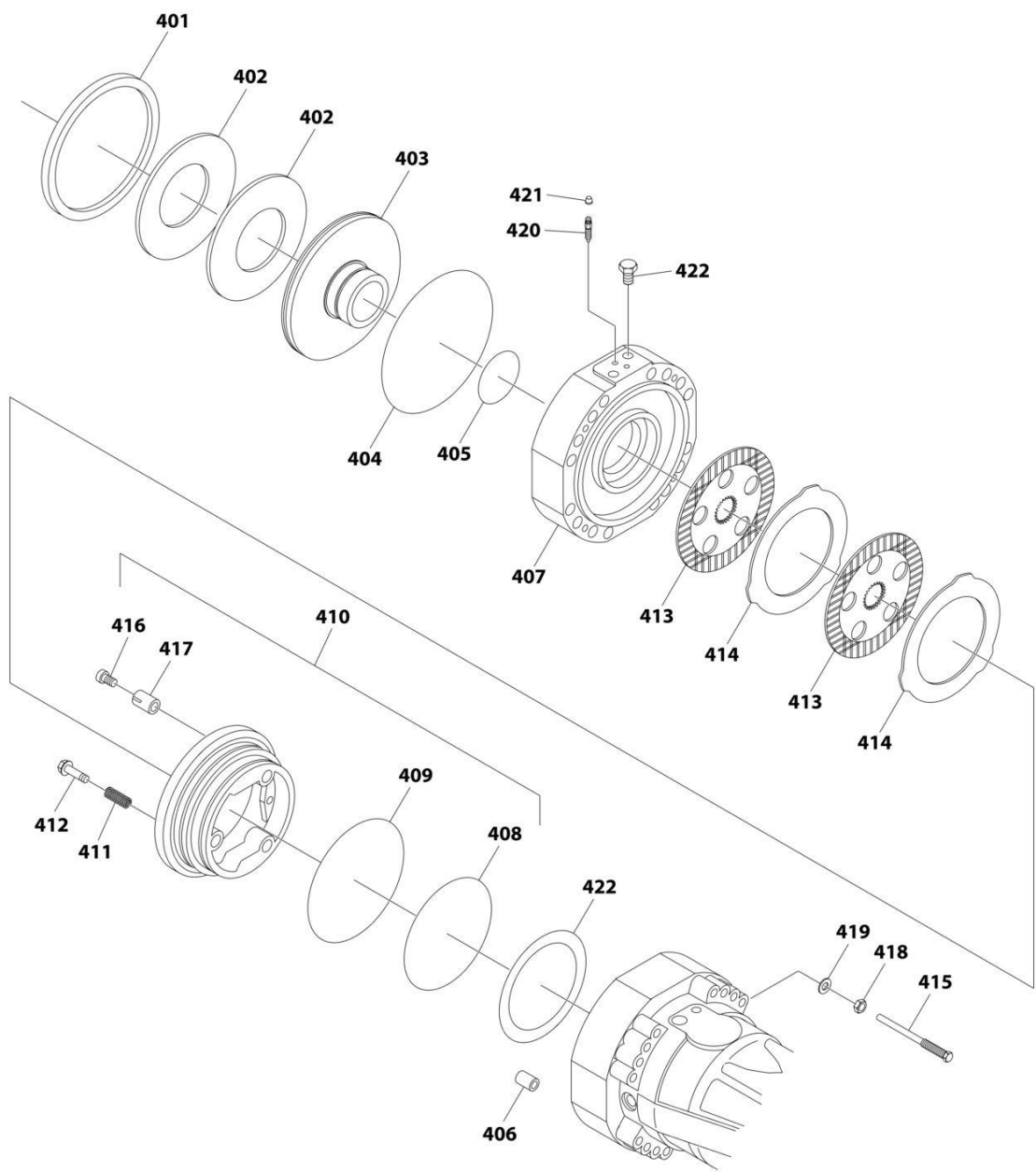
SECTION 5 - DRIVE TRAIN

FIGURE 5-6. FRONT AXLE, HUB REDUCTION (2)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288228	Ref	FRONT AXLE, HUB REDUCTION (2)	D
338	91514188	4	Plug	
339	7029430	2	Seal	
340	3984301	4	Bearing	
341	8005801	2	Wheel Hub	
342	91474579	2	Circlip	
343	91474580	2	Ring Gear	
344	3983720	2	Ring Gear Support	
345	91474585	6	Circlip	
346	70028473	6	Planet Gear	
347	70028474	6	Bearing	
348	91474588	2	Planet Gear Carrier	
349	91514189	4	Bolt	
350	70027315	16	Stud	
351	3969073	2	O-Ring	
352	70030365	20	Wheel Stud	
353	7029431	2	Planet Gear Carrier (Includes #342 - 348)	
354	7029432	2	Ring Gear Support Kit (Includes #342 - 344)	
355	70027114	1	Planet Gear Kit (Includes #346 & 347)	
356	70031486	1	Axle Case	
357	70031192	16	Nut	

SECTION 5 - DRIVE TRAIN

FIGURE 5-7. FRONT AXLE, BRAKES



ART_1001288228_6OF8

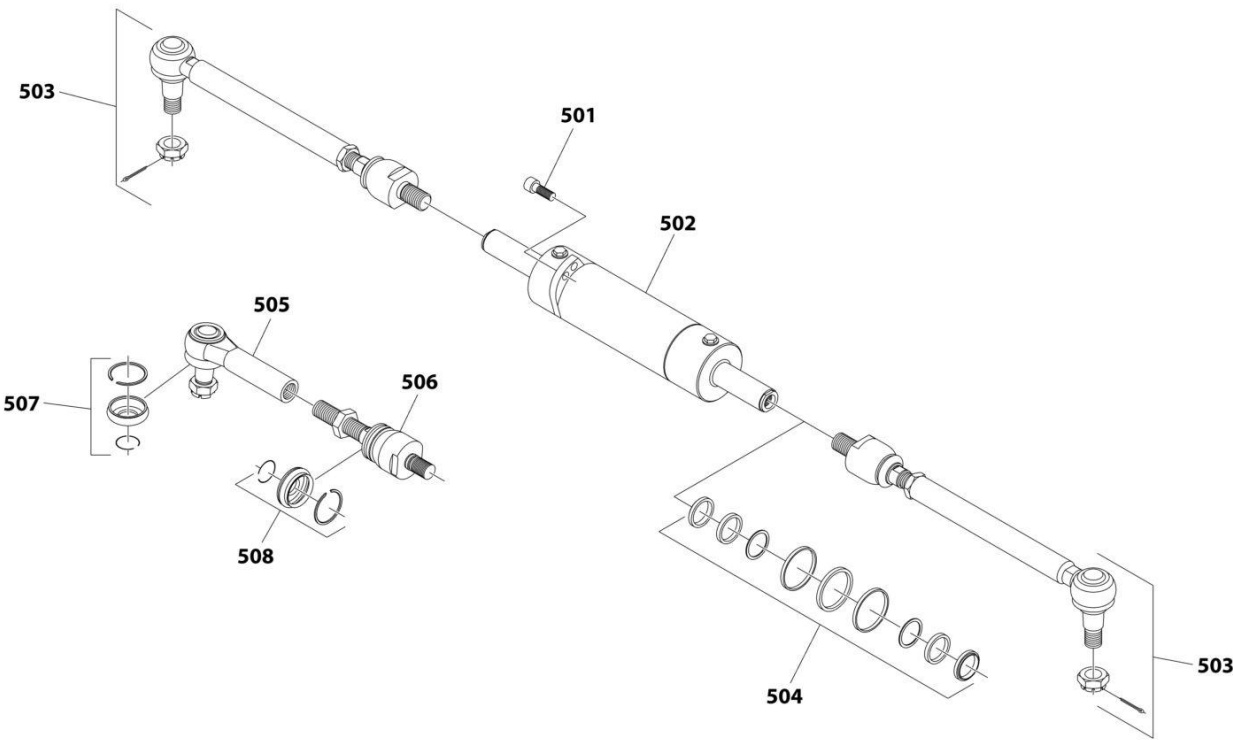
SECTION 5 - DRIVE TRAIN

FIGURE 5-7. FRONT AXLE, BRAKES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288228	Ref	FRONT AXLE, BRAKES	D
401	7028734	1	Spacer	
402	91474559	4	Spring	
403	70031193	2	Piston	
404	91474561	2	O-Ring	
405	70026262	2	Seal	
406	70031488	2	Bolt, Pilot	
407	70031194	2	Cover	
408	70025822	2	O-Ring	
409	70025821	2	O-Ring	
410	70031195	2	Piston (Includes #408,409 & 417)	
411	91514159	6	Spring	
412	70024210	6	Adjusting Bolt	
413	91474568	8	Disc	
414	70025823	10	Brake Disc	
415	70024213	4	Bolt	
416	7029788	6	Adjusting Bolt	
417	70027317	6	Friction Spring	
418	80204060	4	Nut	
419	80204108	4	Washer Lock	
420	2960243	4	Bleeding Bolt	
421	80204117	4	Plug	
422	91514154	4	Plug	

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FIGURE 5-8. FRONT AXLE, STEERING



ART_1001288228_7OF8

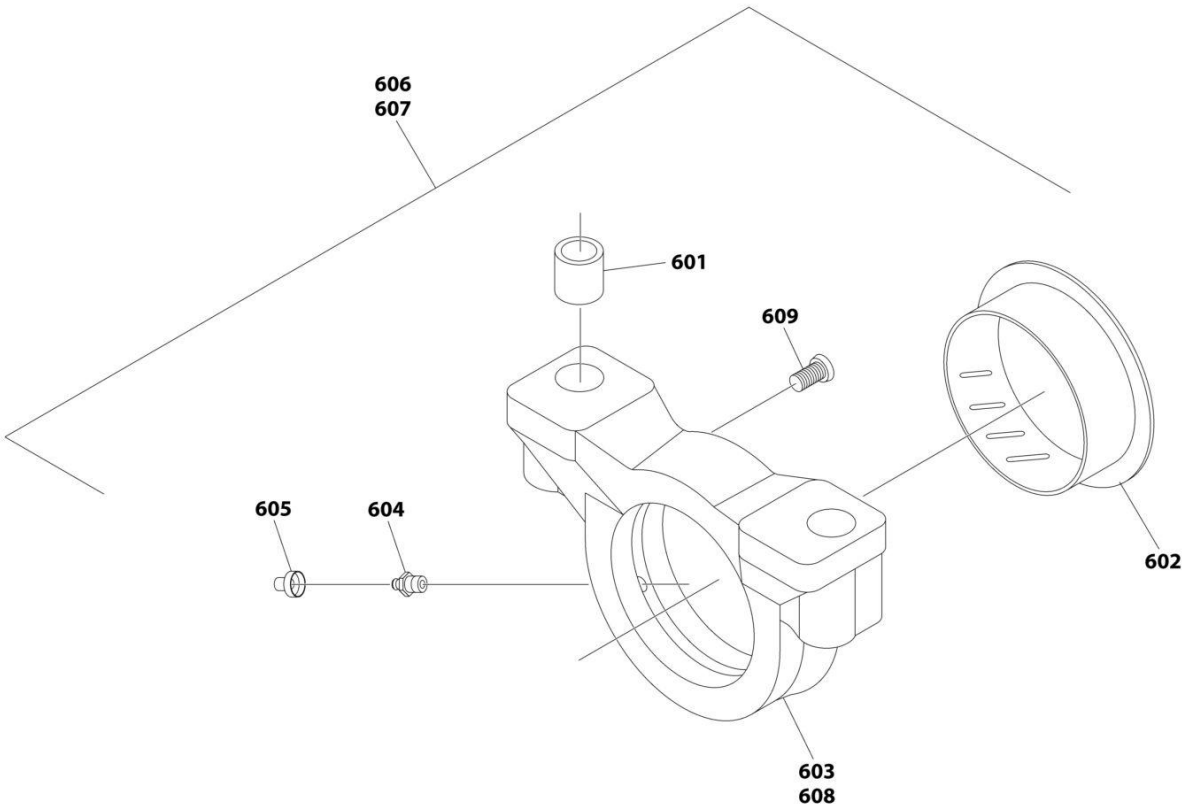
SECTION 5 - DRIVE TRAIN

FIGURE 5-8. FRONT AXLE, STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288228	Ref	FRONT AXLE, STEERING	D
501	91474522	4	Bolt	
502	70026137	1	Cylinder	
503	70031489	2	Bar	
504	70025842	1	Kit, Seal	
505	70031490	1	Joint, 90 Degree (LH)	
506	70028476	1	Axial Joint	
507	70028477	1	Rubber Boot & Locking Ring Kit	
508	70028468	1	Rubber Boot & Locking Ring Kit	

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FIGURE 5-9. FRONT AXLE, TRUNION



ART_1001288228_8OF8

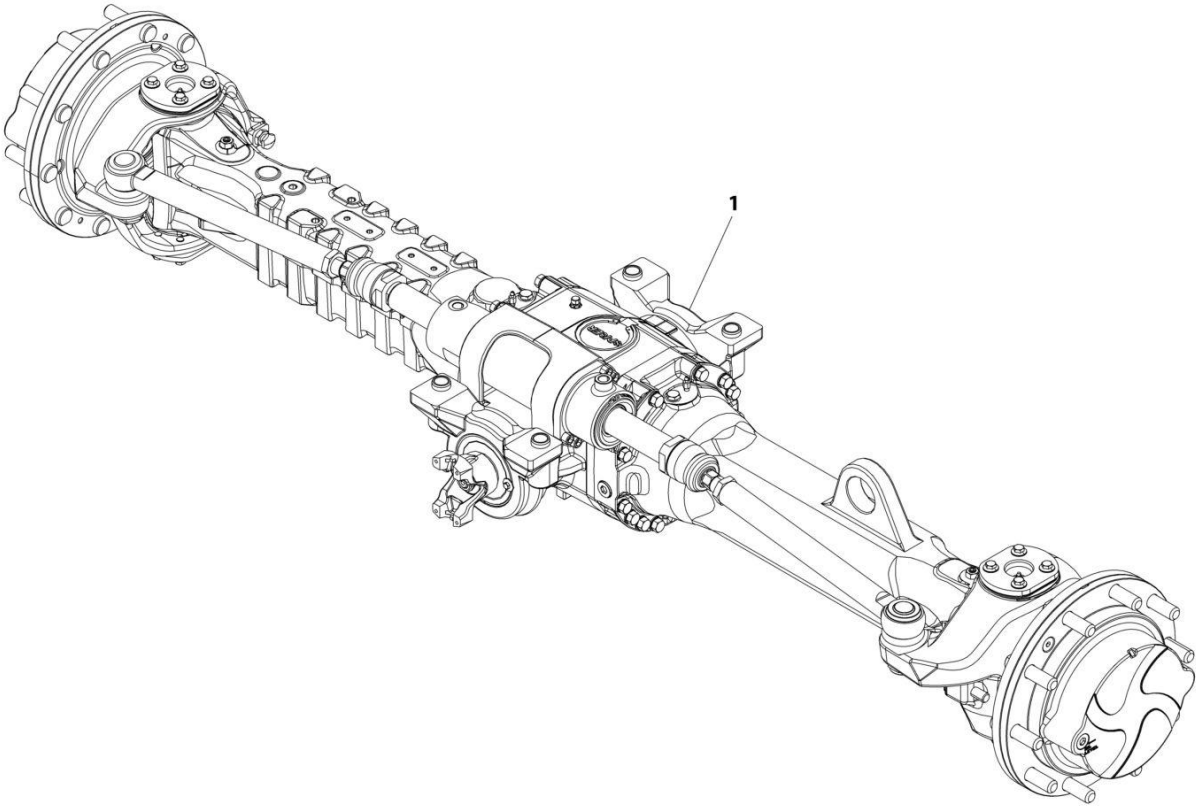
SECTION 5 - DRIVE TRAIN

FIGURE 5-9. FRONT AXLE, TRUNION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288228	Ref	FRONT AXLE, TRUNION	D
601	91474516	2	Reduction Bushing	
602	70029445	1	Thrust Bushing	
603	NSS	1	Support (Use 91474514 for Replacement)	
604	91514099	1	Grease Fitting	
605	80204117	1	Plug	
606	91474514	1	Support Assembly	
607	91474514	1	Support Assembly	
608	NSS	1	Support (Use 91474514 for Replacement)	
609	70028535	1	Bolt	

SECTION 5 - DRIVE TRAIN

FIGURE 5-10. REAR AXLE ASSEMBLY



ART_1001288229_1OF8

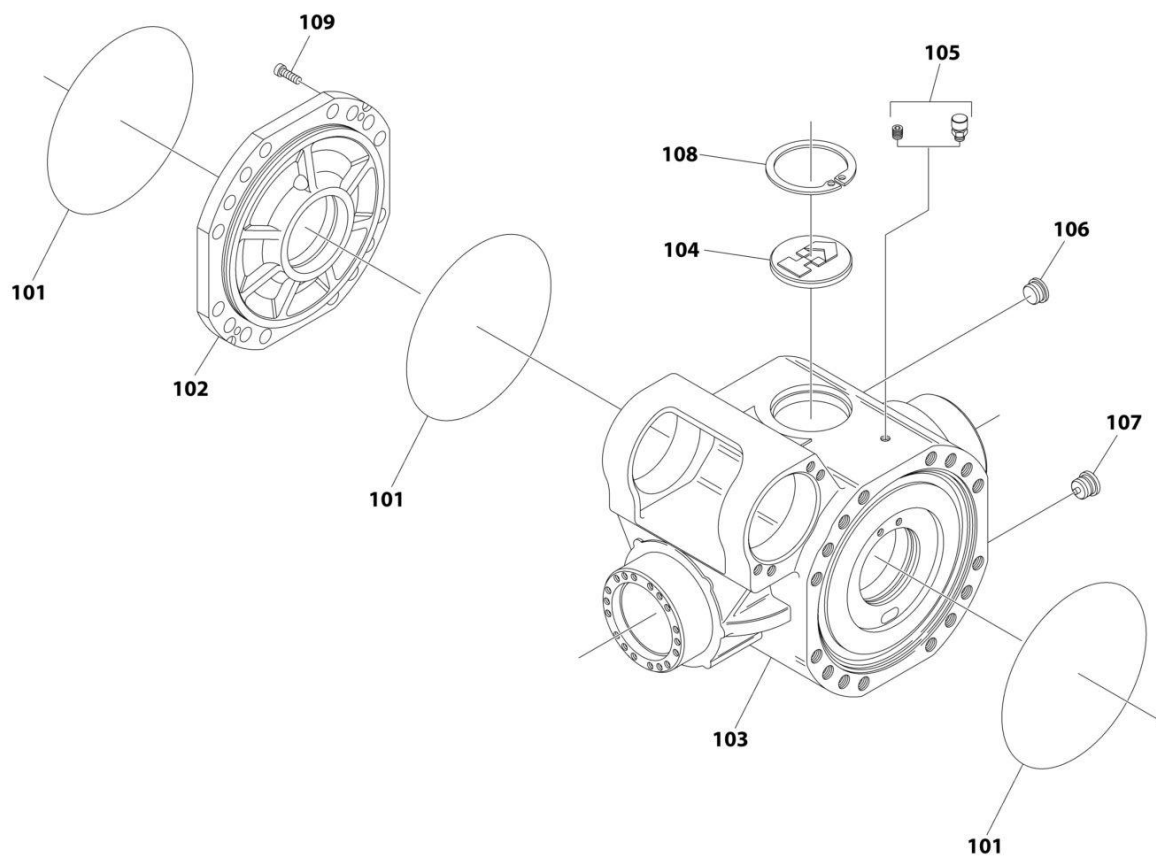
SECTION 5 - DRIVE TRAIN

FIGURE 5-10. REAR AXLE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288229	Ref	REAR AXLE ASSEMBLY	E
		Ref	Rear Axle, Control Housing (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Differential (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Hub Reduction (1) (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Hub Reduction (2) (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Steering (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Trunion (See Separate Breakdown in this Section)	

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FIGURE 5-11. REAR AXLE, CENTRAL HOUSING



ART_1001288229_2OF8

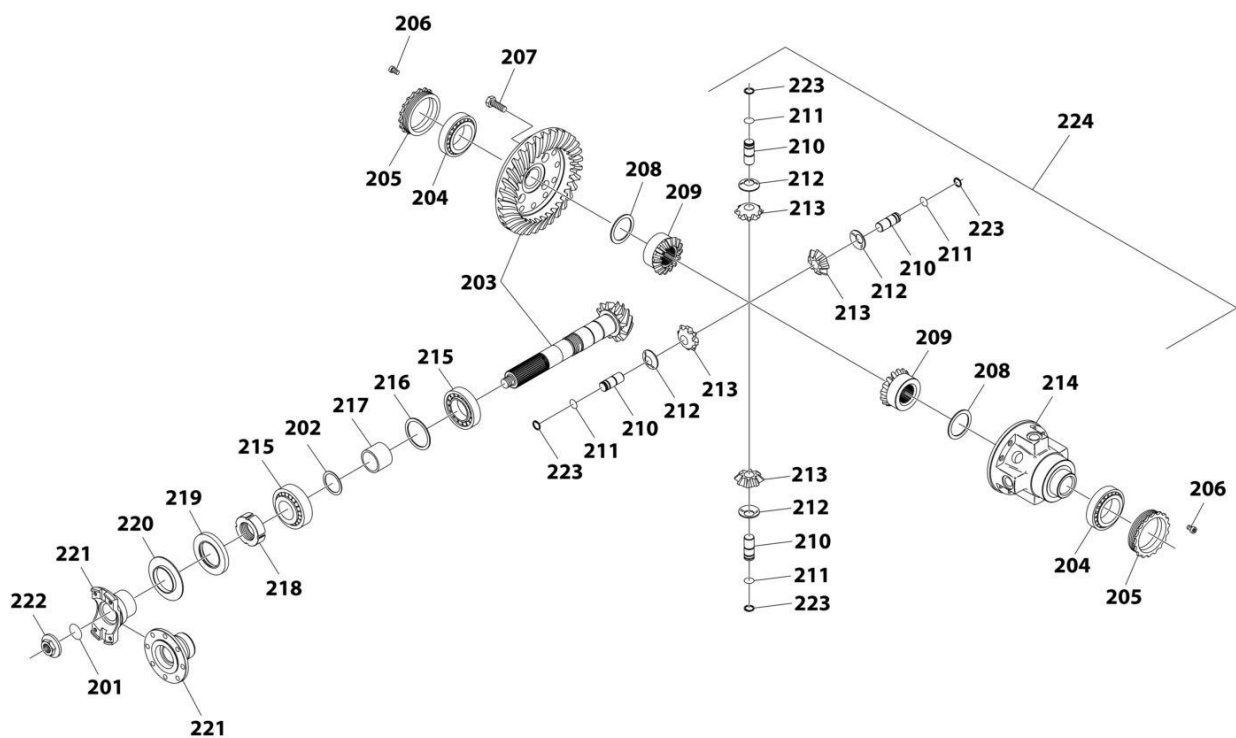
SECTION 5 - DRIVE TRAIN

FIGURE 5-11. REAR AXLE, CENTRAL HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288229	Ref	REAR AXLE, CENTRAL HOUSING	E
101	91474507	3	O-Ring	
102	70024519	1	Cover	
103	70026749	1	Housing	
104	91514098	1	Plug	
105	70028464	1	Vent	
106	91514188	1	Plug	
107	7028706	1	Plug - Magnet	
108	80204005	1	Circlip	
109	3969108	4	Bolt	

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FIGURE 5-12. REAR AXLE, DIFFERENTIAL



ART_1001288229_3OF8

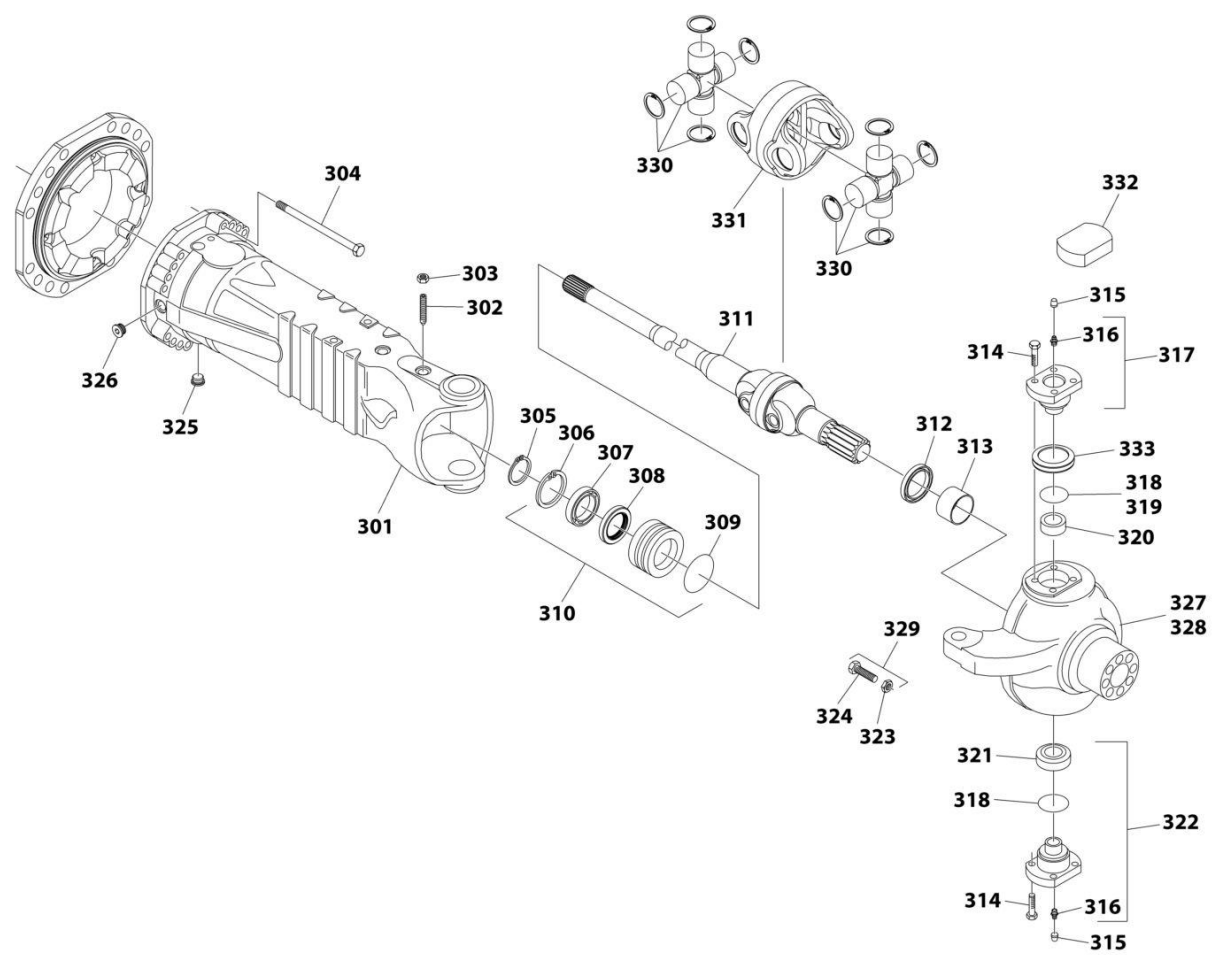
SECTION 5 - DRIVE TRAIN

FIGURE 5-12. REAR AXLE, DIFFERENTIAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288229	Ref	REAR AXLE, DIFFERENTIAL	E
201	91474529	1	O-Ring	
202	70025556	1	Shim	
203	70031491	1	Bevel Gear Set	
204	70031477	1	Bearing, Taper Roller	
205	91474547	2	Nut, Ring	
206	91514134	2	Bolt	
207	70031478	12	Bolt	
208	91474593	2	Friction Washer	
209	70025569	2	Differential Side Gear	
210	7029131	4	Pin	
211	91474551	4	Circlip	
212	91474553	4	Friction Washer	
213	70025570	4	Differential Pinion	
214	91474595	1	Differential Carrier	
215	3968141	2	Bearing, Taper Roller	
216	70025555	1	Shim	
217	91474539	1	Spacer	
218	91474533	1	Nut, Ring	
219	70024522	1	Seal	
220	91474531	1	Plate	
221	7029427	1	Flange	
222	70026631	1	Nut	
223	91474550	4	Circlip	
224	70021140	1	Slip Differential (Includes #208-214 & 223)	

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FIGURE 5-13. REAR AXLE, HUB REDUCTION (1)



ART_1001288229_4OF8

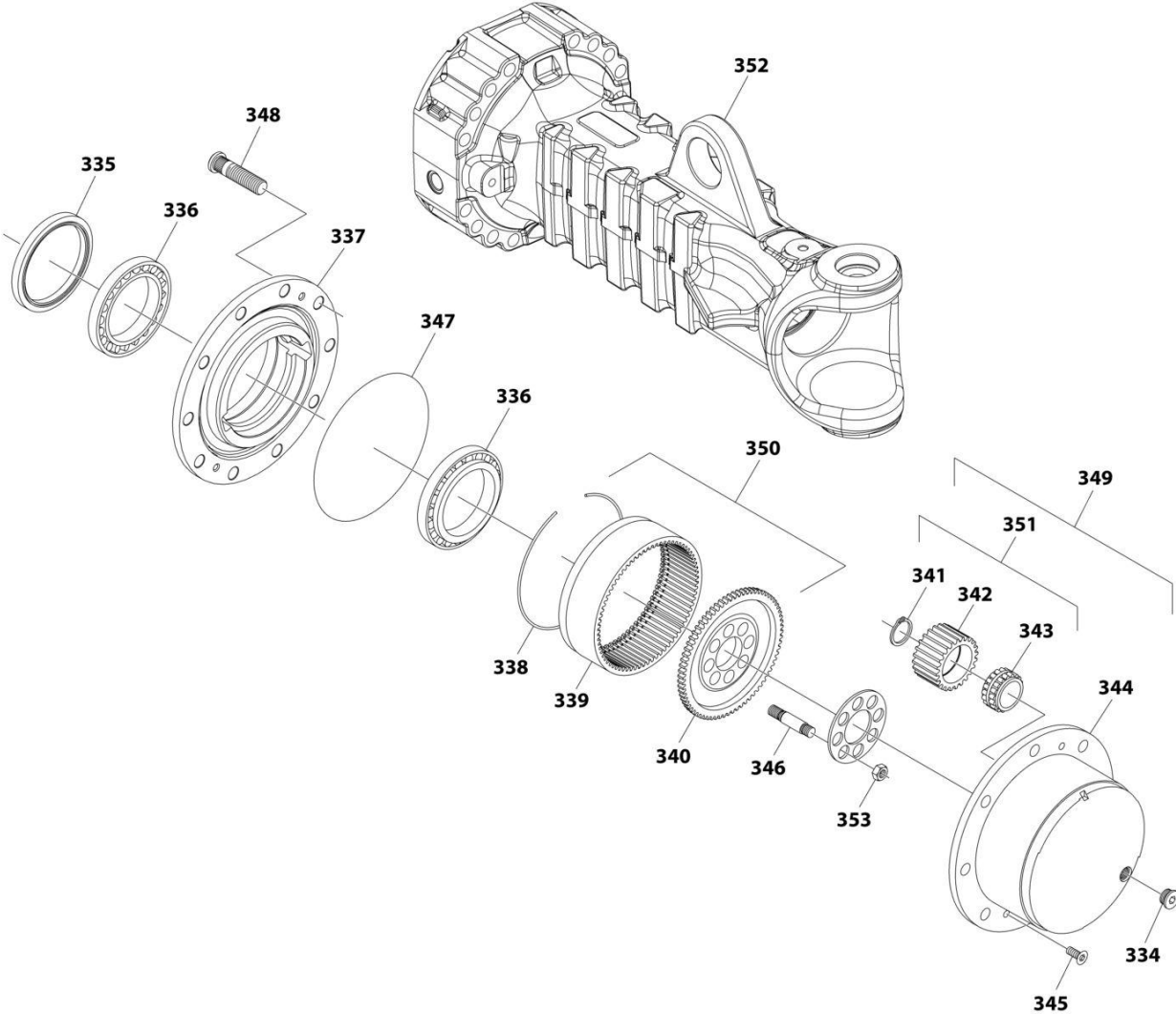
SECTION 5 - DRIVE TRAIN

FIGURE 5-13. REAR AXLE, HUB REDUCTION (1)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288229	Ref	REAR AXLE, HUB REDUCTION (1)	E
301	70031492	1	Axle Case	
302	2400600	2	Bolt	
303	91514082	2	Nut	
304	7029428	28	Bolt	
305	80204071	2	Circlip	
306	80204005	2	Circlip	
307	70031185	2	Ball Bearing	
308	91514147	2	Seal	
309	91514148	2	O-Ring	
310	70031186	2	Reduction Bushing (includes #306 - 309)	
311	70031479	2	Double Joint	
312	8007771	2	Seal	
313	70031480	1	Thrust Bushing	
314	70025562	20	Bolt	
315	80204117	4	Plug	
316	91514099	2	Grease Fitting	
317	70031481	2	Pivot Pin (Includes #316)	
318	2401043	2	Seal	
319	70031482	2	Seal	
320	70029272	2	Reduction Bushing	
321	2401258	2	Articulation	
322	8006605	2	Pivot Pin (Includes #318 & 321)	
323	2401305	4	Nut	
324	91514117	4	Bolt	
325	7028706	2	Magnetic Plug	
326	91514188	4	Plug	
327	70031484	1	Steering Case - Left (Include #313)	
328	70031485	1	Steering Case - Right (Include #313)	
329	7028733	4	Steering Adjust Bolt Kit (Includes #323 & 324)	
330	70030993	2	Joint Cross	
331	70030994	1	Joint Center Section	
332	70028392	2	Cover	
333	70031487	2	Spring	

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FIGURE 5-14. REAR AXLE, HUB REDUCTION (2)



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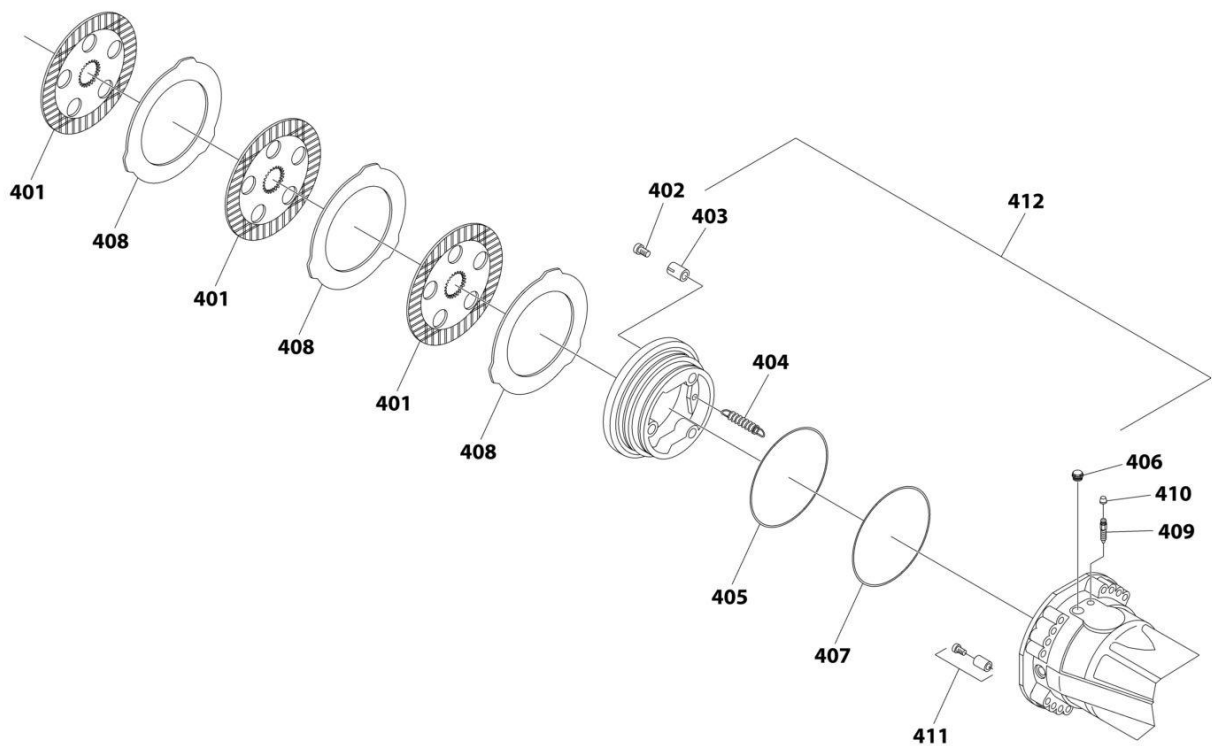
SECTION 5 - DRIVE TRAIN

FIGURE 5-14. REAR AXLE, HUB REDUCTION (2)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288229	Ref	REAR AXLE, HUB REDUCTION (2)	E
334	91514188	4	Plug	
335	7029430	2	Seal	
336	3984301	4	Bearing	
337	8005801	2	Wheel Hub	
338	91474579	2	Circlip	
339	91474580	2	Ring Gear	
340	3983720	2	Ring Gear Support	
341	91474585	6	Circlip	
342	70028473	6	Planet Gear	
343	70028474	6	Bearing	
344	91474588	2	Planet Gear Carrier	
345	91514189	4	Bolt	
346	70027315	16	Stud	
347	3969073	2	O-Ring	
348	70030365	20	Wheel Stud	
349	7029431	2	Planet Gear Carrier (Includes #341 - 344)	
350	7029432	2	Ring Gear Support Kit (Includes #338 - 340)	
351	70027114	1	Planet Gear Kit (Includes #342 & 343)	
352	70031493	1	Axle Case	
353	70031192	16	Nut	

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FIGURE 5-15. REAR AXLE, BRAKES



ART_1001288229_6OF8

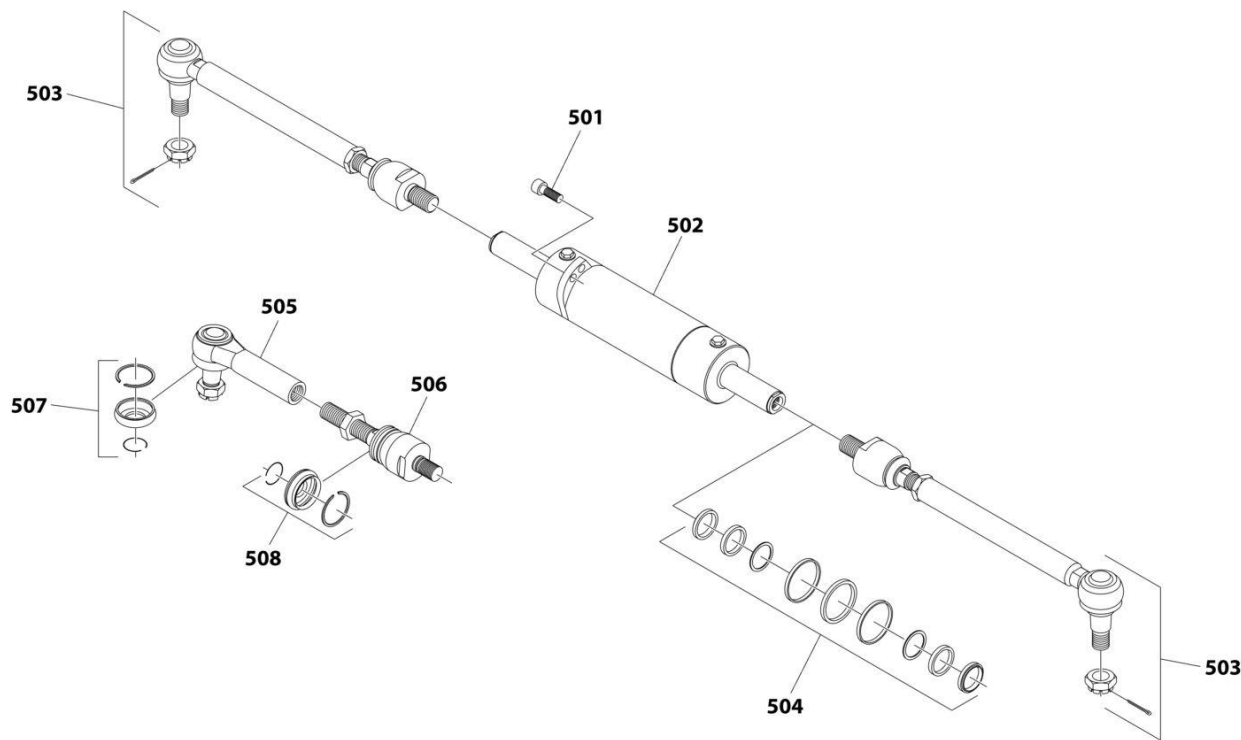
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FIGURE 5-15. REAR AXLE, BRAKES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288229	Ref	REAR AXLE, BRAKES	E
401	91474568	4	Disc	
402	7029786	6	Adjusting Bolt	
403	70027317	6	Spring	
404	3984425	6	Spring	
405	70025821	2	O-Ring	
406	91514154	2	Plug	
407	70025822	2	O-Ring	
408	70025823	6	Disc, Intermediate Brake	
409	2960243	2	Bleeding Bolt	
410	80204117	2	Plug	
411	70021613	2	Pilot Bolt	
412	70031494	2	Piston (includes 403, 405 & 407)	

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FIGURE 5-16. REAR AXLE, STEERING



ART_1001288229_7OF8

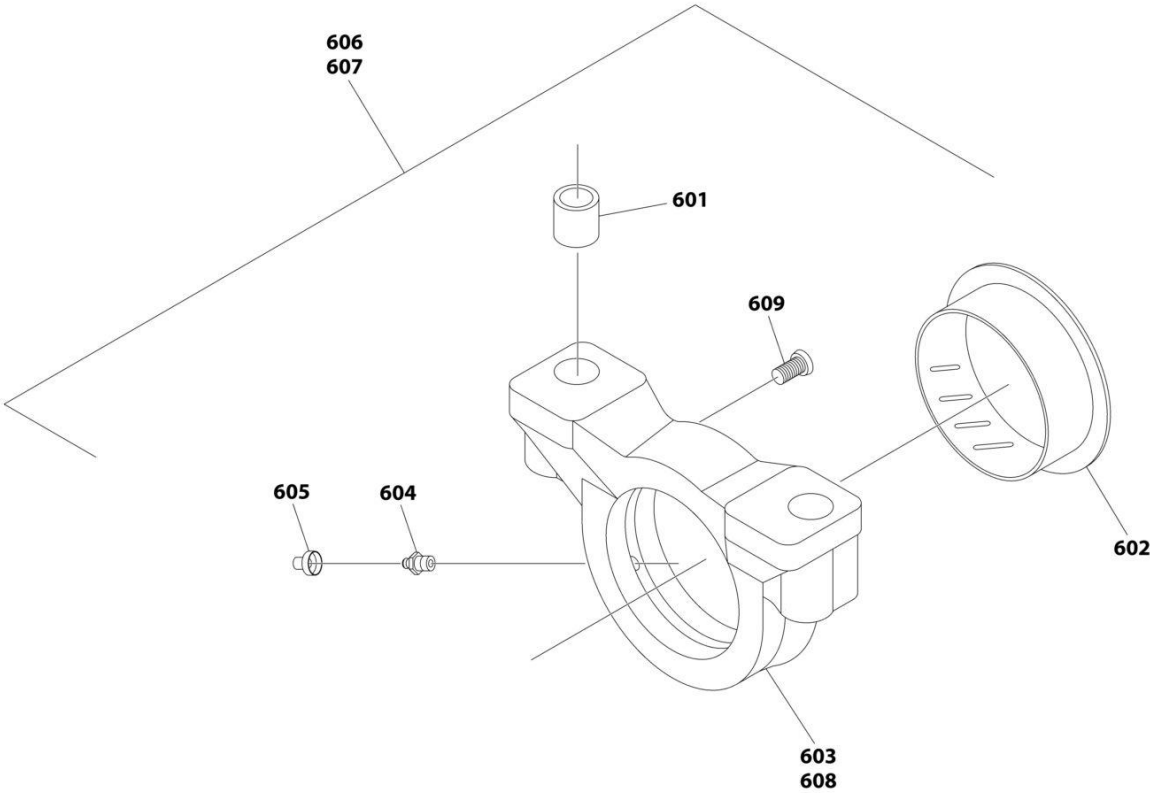
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FIGURE 5-16. REAR AXLE, STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288229	Ref	REAR AXLE, STEERING	E
501	91474522	4	Bolt	
502	70026137	1	Cylinder	
503	70026810	2	Bar	
504	70025842	1	Kit, Seal	
505	70031490	1	Joint, 90 Degree (LH)	
506	70028476	1	Axial Joint	
507	70028477	1	Rubber Boot & Locking Ring Kit	
508	70028468	1	Rubber Boot & Locking Ring Kit	

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FIGURE 5-17. REAR AXLE, TRUNION



ART_1001288229_8OF8

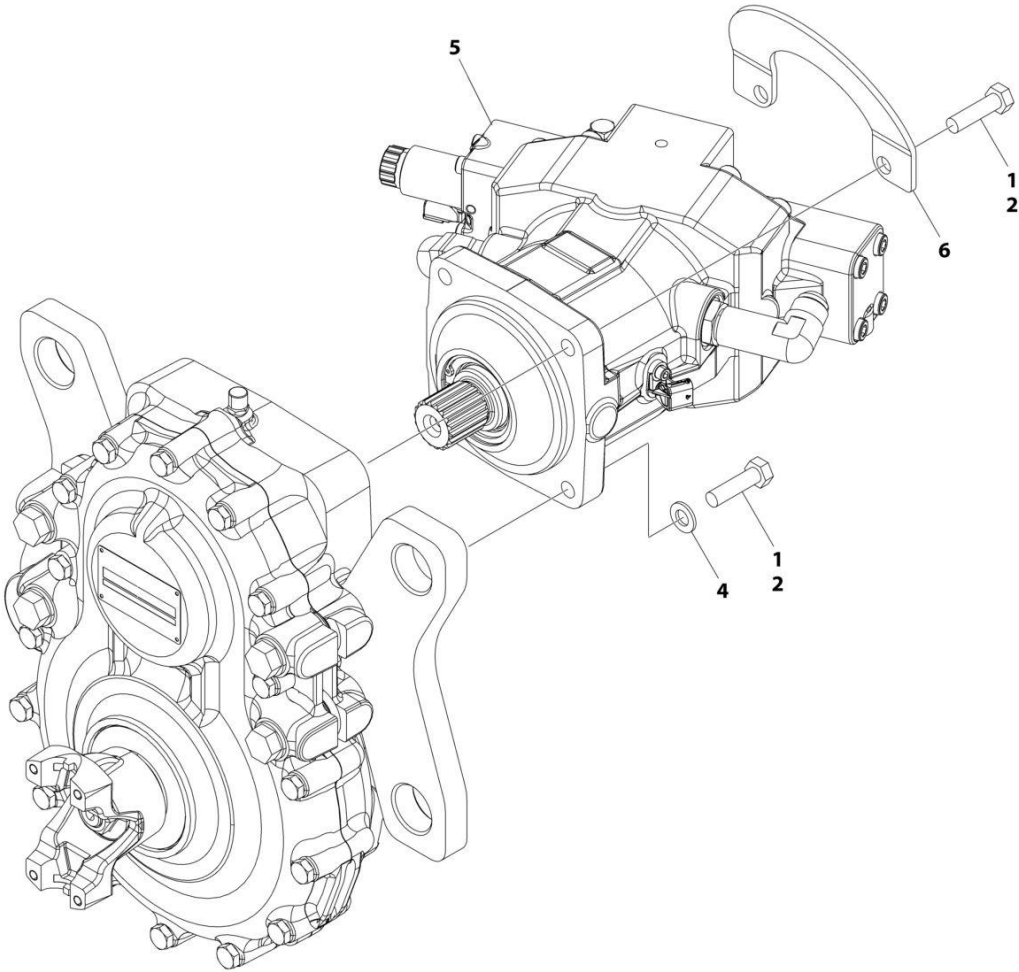
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FIGURE 5-17. REAR AXLE, TRUNION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288229	Ref	REAR AXLE, TRUNION	E
601	91474516	4	Reduction Bushing	
602	70029445	2	Thrust Bushing	
603	NSS	1	Support (Use 91474514 for Replacement)	
604	91514099	1	Grease Fitting	
605	80204117	2	Plug	
606	91474514	1	Support Assembly	
607	91474514	1	Support Assembly	
608	NSS	1	Support (Use 91474514 for Replacement)	
609	70028535	1	Bolt	

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FIGURE 5-18. DRIVE MOTOR INSTALLATION



ART_1001286271

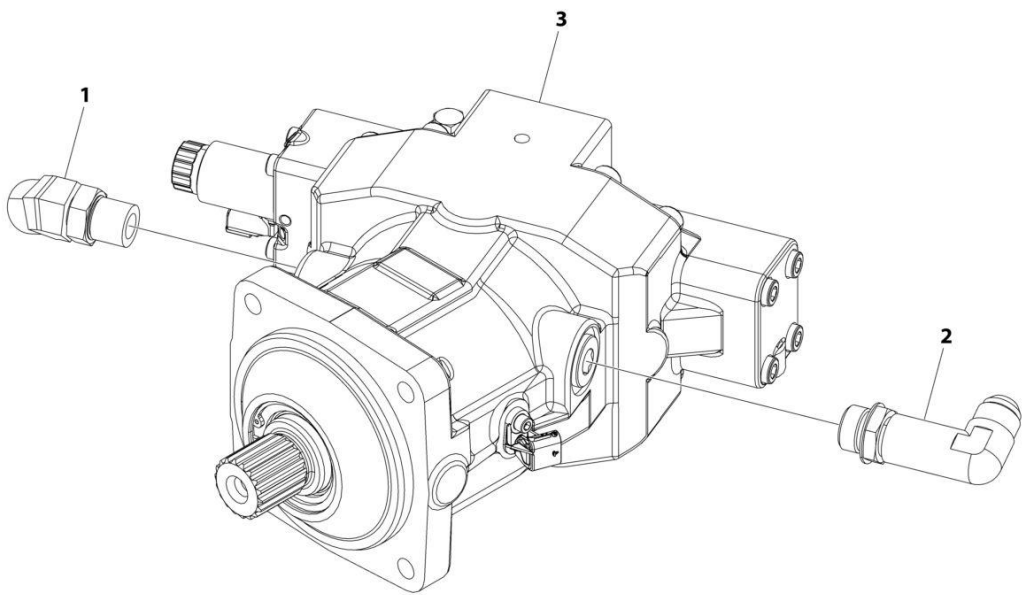
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FIGURE 5-18. DRIVE MOTOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286271	Ref	DRIVE MOTOR INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0711217	4	Bolt M12 x 45	
3	3020037	AR	Lubricant (Not Shown)	
4	4812100	2	Washer M12	
5	1001286270	1	Drive Motor and Fittings Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
6	1001291640	1	Bracket	

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FIGURE 5-19. DRIVE MOTOR AND FITTINGS ASSEMBLY



ART_1001286270

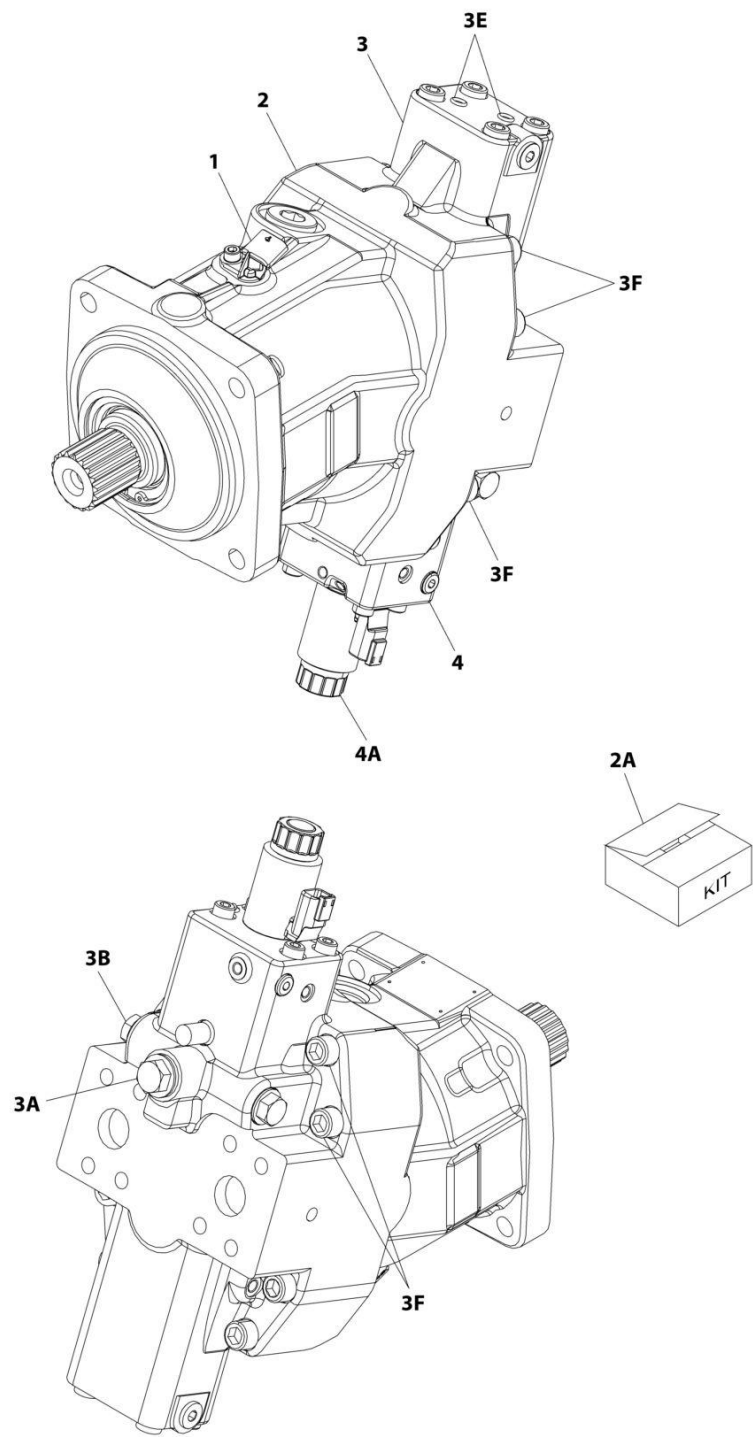
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FIGURE 5-19. DRIVE MOTOR AND FITTINGS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286270	Ref	DRIVE MOTOR AND FITTINGS ASSEMBLY	B
1	2220637	1	Fitting, 45	
2	8770157	1	Fitting, 90	
3	1001286267	1	Drive Motor Assembly (See Separate Breakdown in this Section)	

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FIGURE 5-20. DRIVE MOTOR ASSEMBLY



ART_1001286267

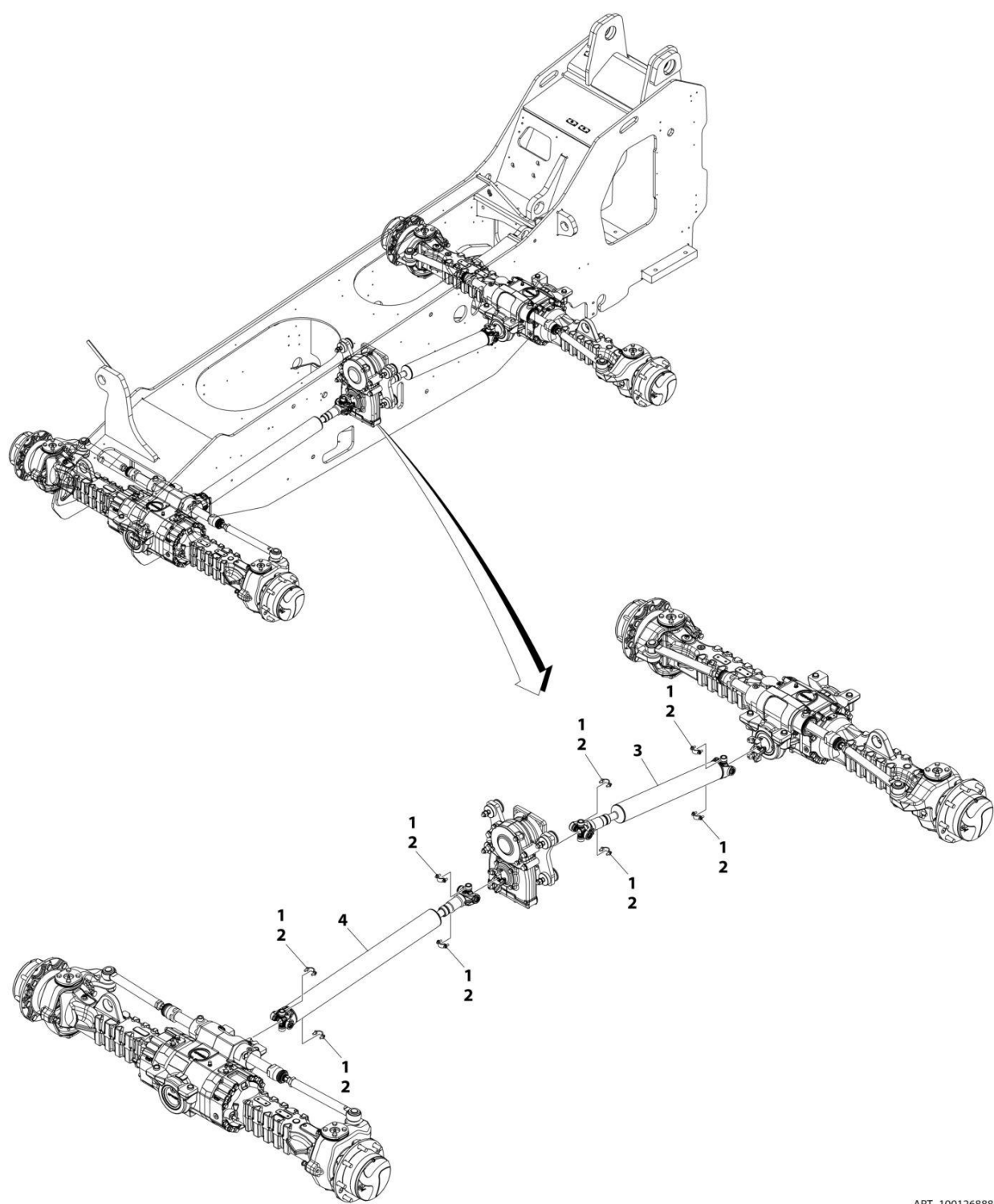
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FIGURE 5-20. DRIVE MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286267	Ref	DRIVE MOTOR ASSEMBLY	C
1	1001287276	1	Sensor, Speed	
2	See Note	NSS	Housing Assembly (Note Use PN 1001286267)	
2A	70031925	1	Seal Kit - Housing	
3	See Note	NSS	Cover Plate Assembly (Note Use PN 1001286267)	
3A	70031926	1	Valve, Feed Pressure	
3B	70031927	1	Valve, Flushing	
3C	7028817	1	Capscrew (Internal - Not Shown)	
3D	70003340	1	Plug, Break-Off (Not Shown)	
3E	70031928	6	O-Ring (Under Cover Plates)	
3F	7028835	6	Capscrew	
4	70031929	1	Control Assembly	
4A	70003170	1	Solenoid	

SECTION 5 - DRIVE TRAIN

FIGURE 5-21. DRIVESHAFT INSTALLATION



ART_1001268882

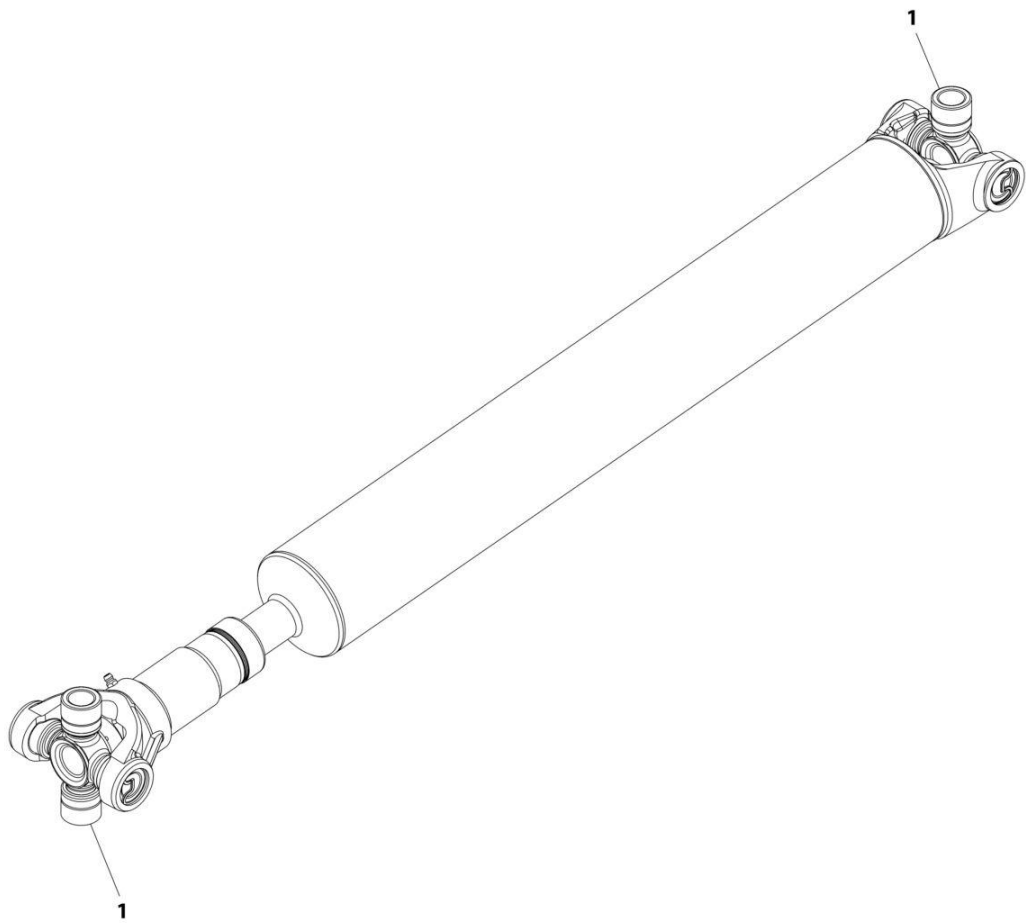
SECTION 5 - DRIVE TRAIN

FIGURE 5-21. DRIVESHAFT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268882	Ref	DRIVESHAFT INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	8880219-OM	4	Kit, Strap	
3	1017488500	1	Driveshaft Assembly (See Separate Breakdown in this Section)	
4	1017488600	1	Driveshaft Assembly (See Separate Breakdown in this Section)	

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FIGURE 5-22. DRIVESHAFT ASSEMBLY



ART_1017488500

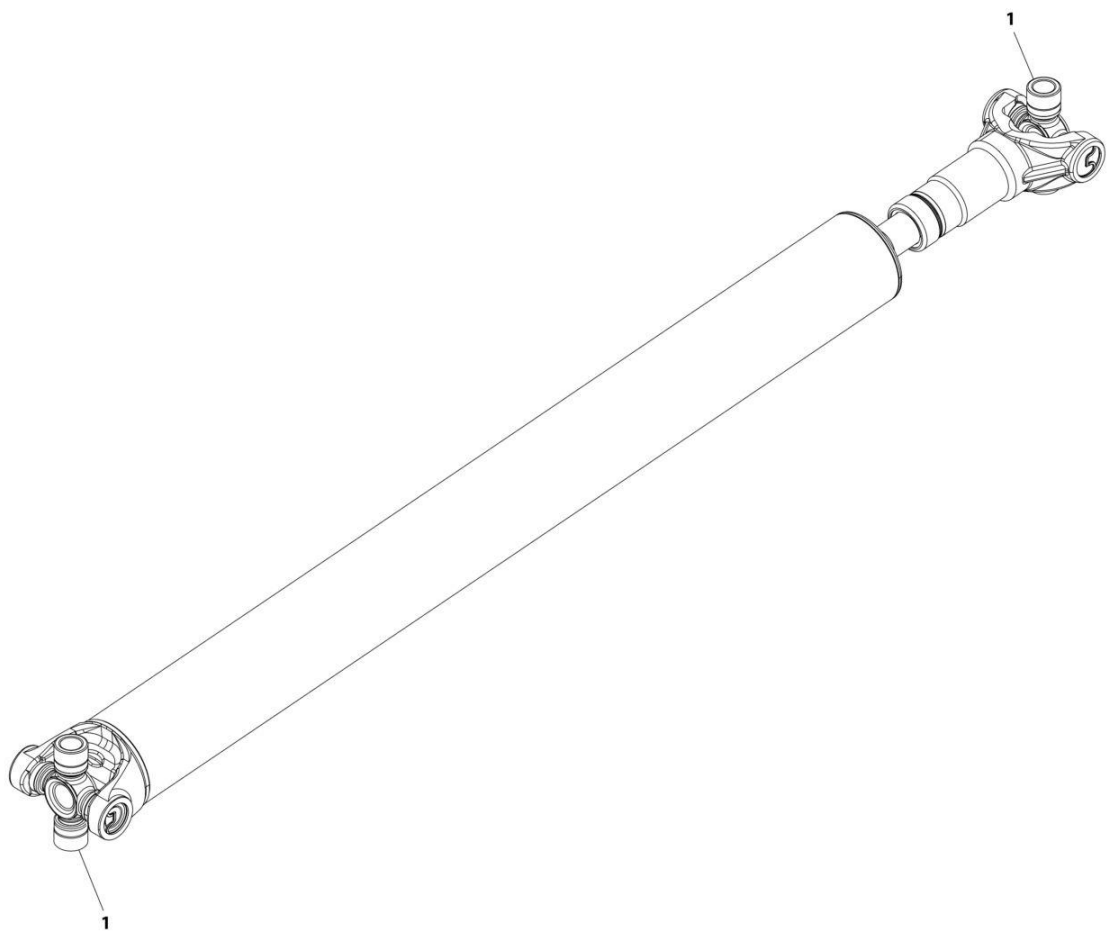
SECTION 5 - DRIVE TRAIN

FIGURE 5-22. DRIVESHAFT ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1017488500	Ref	DRIVESHAFT ASSEMBLY	E
	See Note	Ref	Note: No Other Service Parts Available	
	7029271	2	Cross and Bearing	

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FIGURE 5-23. DRIVESHAFT ASSEMBLY



ART_1017488600

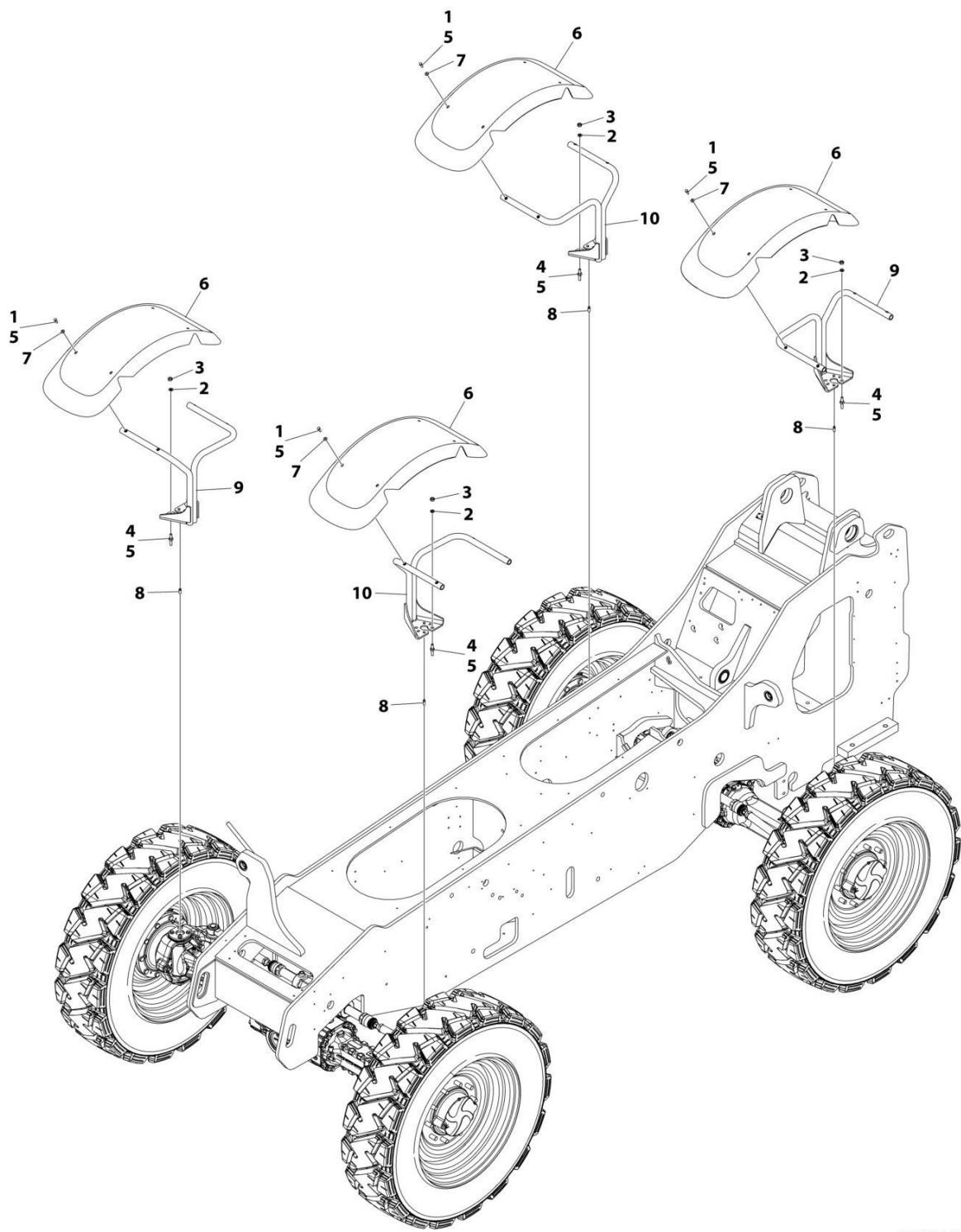
SECTION 5 - DRIVE TRAIN

FIGURE 5-23. DRIVESHAFT ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1017488600	Ref	DRIVESHAFT ASSEMBLY	E
	See Note	Ref	Note: No Other Service Parts Available	
	7029271	2	Cross and Bearing	

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FIGURE 5-24. FENDER INSTALLATION



ART_1001286103

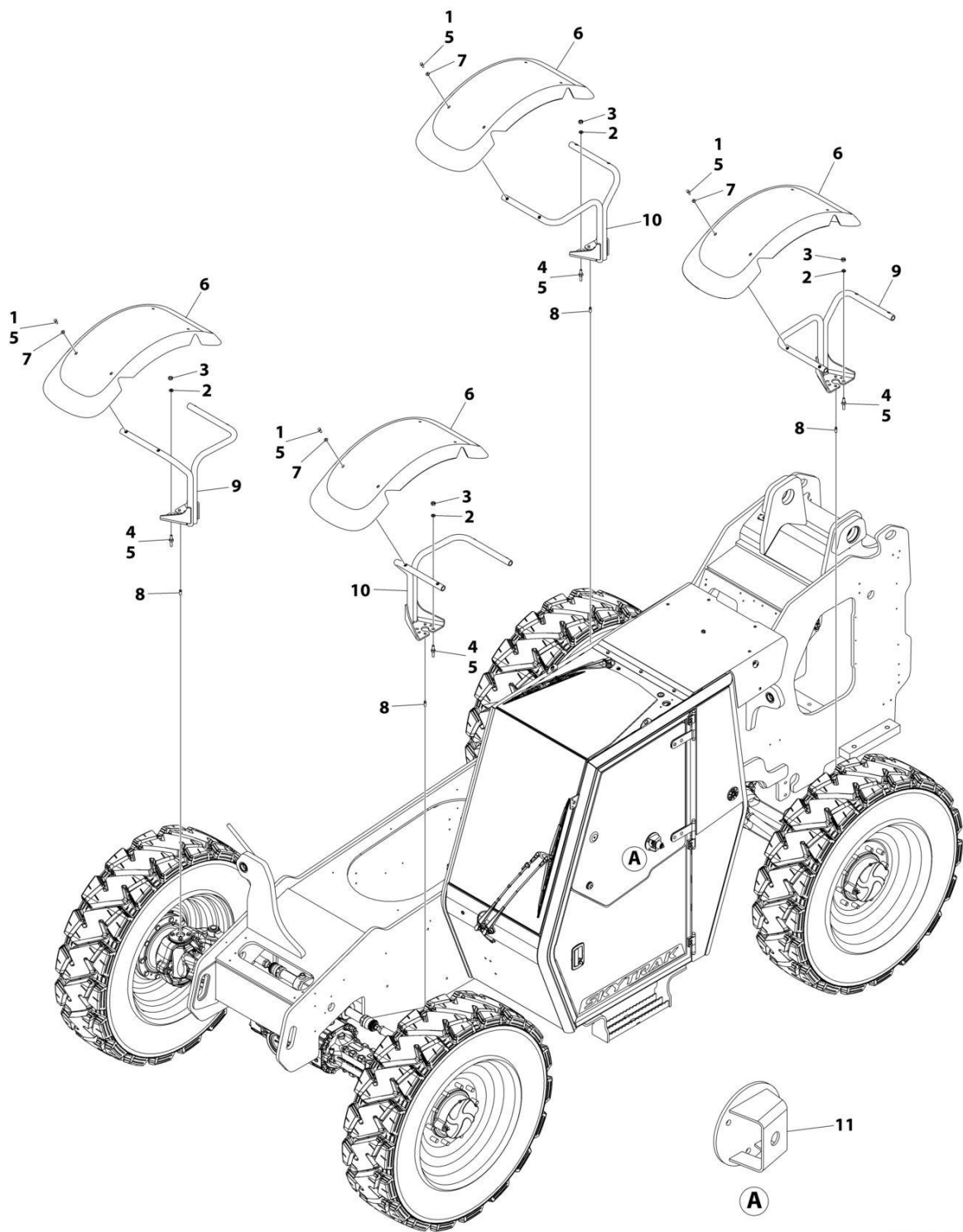
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FIGURE 5-24. FENDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286103	Ref	FENDER INSTALLATION	D
1	0760812	16	Bolt M8 x 25	
2	83191010	16	Washer M12	
3	91513266	16	Nut M12	
4	91514118	16	Stud, Fender	
5	1001095650	AR	Compound, Locking	
6	1001168264	4	Fender	
7	1001202786	16	Washer	
8	1001225317	4	Fitting, Grease	
9	1001291887	2	Bracket, Fender Mount	
10	1001291888	2	Bracket, Fender Mount	

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FIGURE 5-25. FENDER INSTALLATION (ENCLOSED CAB)



ART_1001299486

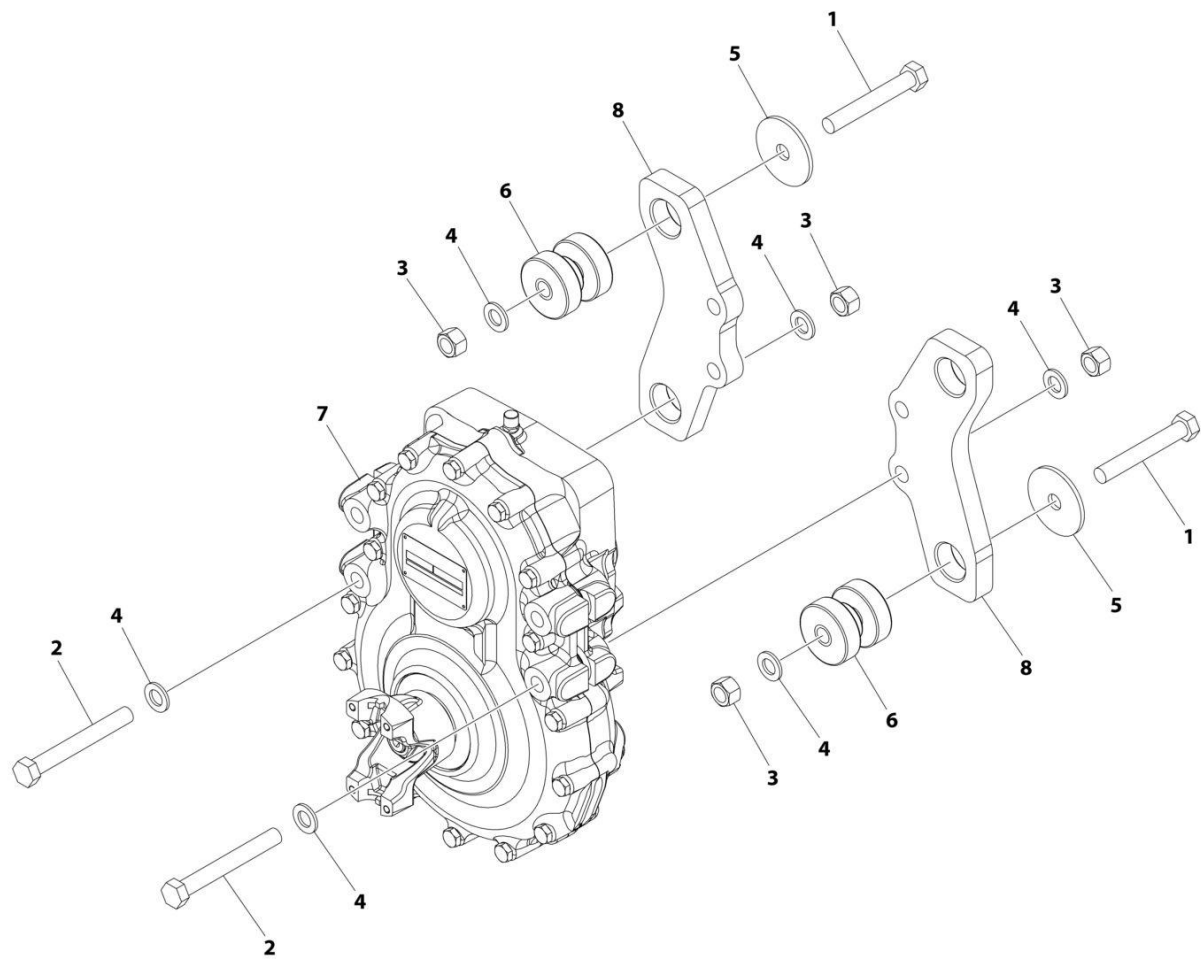
SECTION 5 - DRIVE TRAIN

FIGURE 5-25. FENDER INSTALLATION (ENCLOSED CAB)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001299486	Ref	FENDER INSTALLATION	B
1	0760812	16	Bolt M8 x 25	
2	83191010	16	Washer M12	
3	91513266	16	Nut M12	
4	91514118	16	Stud, Fender	
5	1001095650	AR	Compound, Locking	
6	1001168264	4	Fender	
7	1001202786	16	Washer	
8	1001225317	4	Fitting, Grease	
9	1001291887	2	Bracket, Fender Mount	
10	1001291888	2	Bracket, Fender Mount	
11	1001296479	1	Bracket, Door Latch	

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FIGURE 5-26. GEARBOX INSTALLATION



ART_1001286272

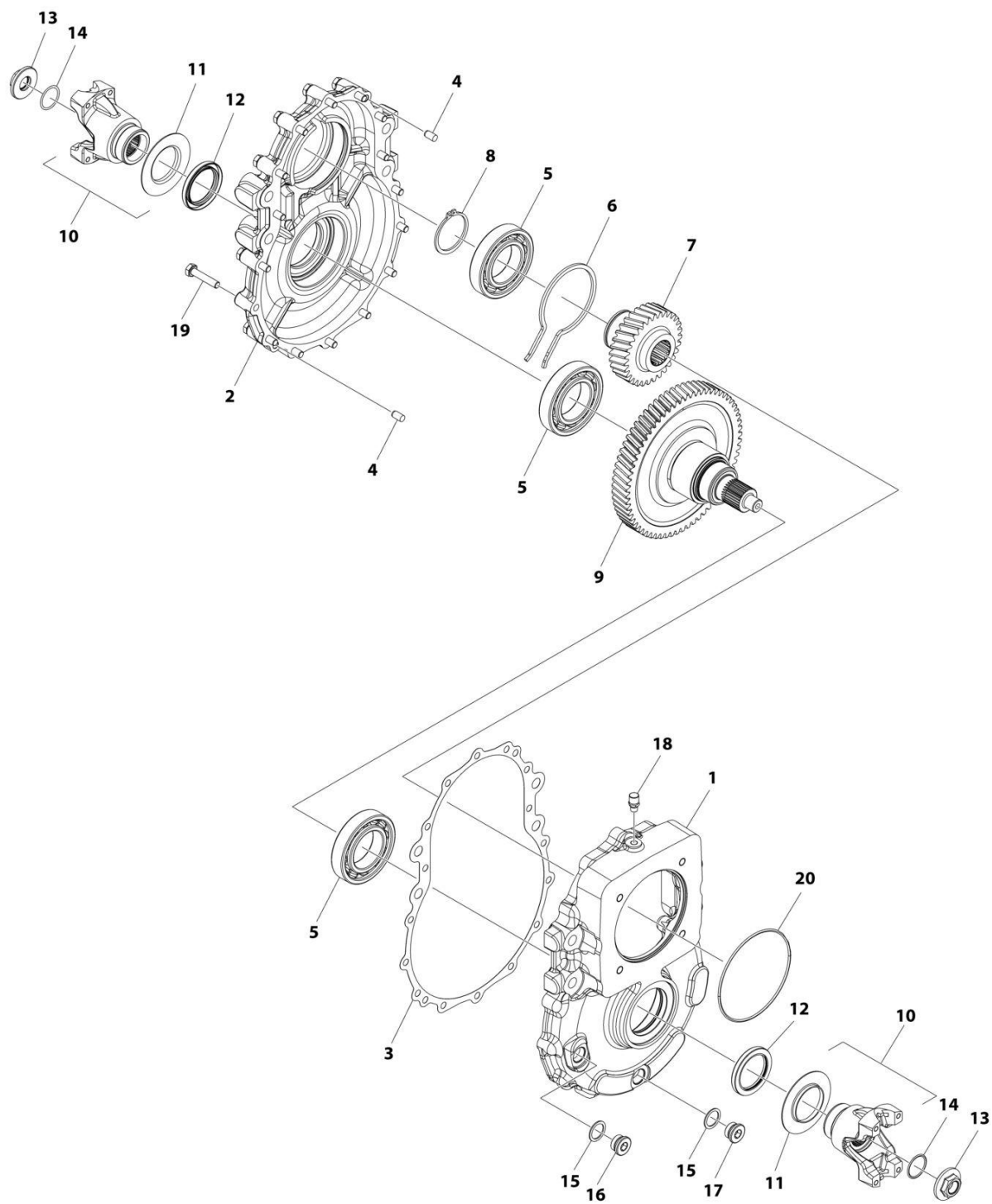
SECTION 5 - DRIVE TRAIN

FIGURE 5-26. GEARBOX INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286272	Ref	GEARBOX INSTALLATION	B
1	0711628	4	Bolt M16 x 110	
2	0711630	4	Bolt M16 x 130	
3	3331615	8	Nut M16	
4	4812300	12	Washer M16	
5	7300435	4	Washer	
6	1001188757	4	Mount, Isolator Engine	
7	1001288203	1	Gearbox Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
8	1001288416	2	Plate	

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FIGURE 5-27. GEARBOX ASSEMBLY



ART_1001288203

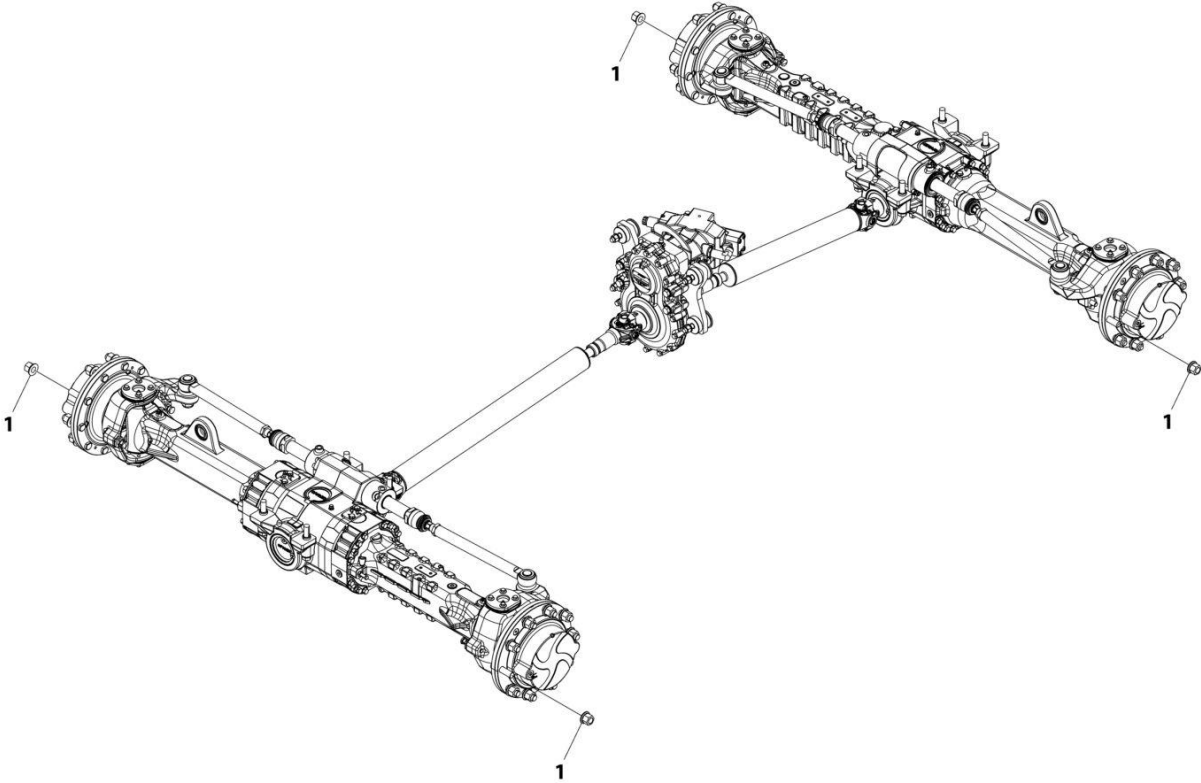
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FIGURE 5-27. GEARBOX ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288203	Ref	GEARBOX ASSEMBLY	F
1	NSS	1	Housing (Use 1001288203 for Replacement)	
2	NSS	1	Housing (Use 1001288203 for Replacement)	
3	70031495	1	Gasket	
4	70031496	2	Pin	
5	70031497	3	Bearing, Ball	
6	70031498	1	Circlip	
7	70031499	1	Gear	
8	70031500	1	Circlip	
9	70031501	1	Gear/Shaft, Output Assembly	
10	7029427	2	Flange, Output Assembly	
11	91474531	2	Cover	
12	70031502	2	Seal	
13	70026631	2	Nut	
14	91474529	2	O-Ring	
15	70031503	2	Washer	
16	10867915	1	Plug	
17	70031504	1	Plug	
18	70031505	1	Plug	
19	70031506	16	Screw	
20	70024874	1	O-Ring	

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FIGURE 5-28. LUGNUT INSTALLATION



ART_1001281973

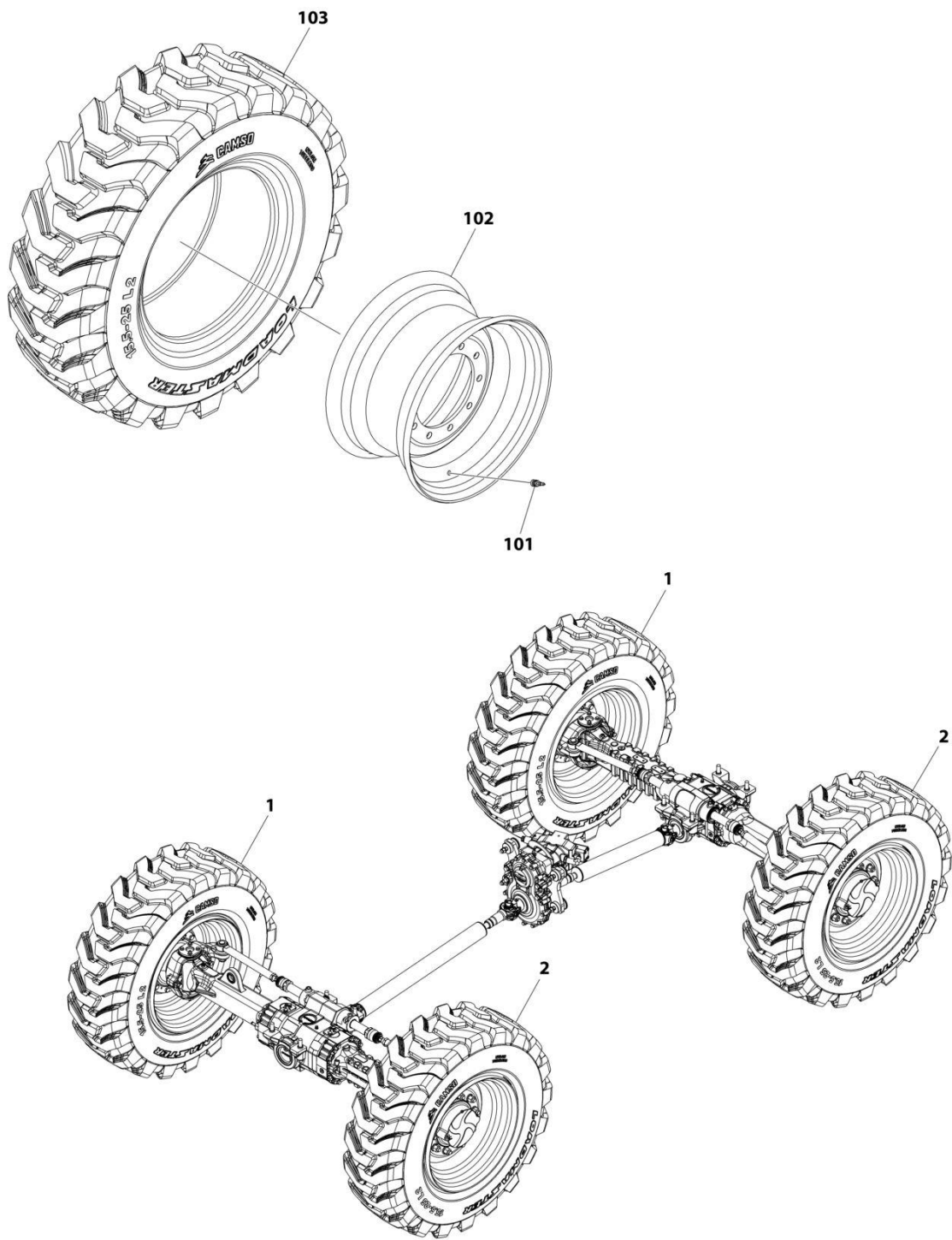
SECTION 5 - DRIVE TRAIN

FIGURE 5-28. LUGNUT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001281973 91403193	Ref 40	LUGNUT INSTALLATION Lugnut	C

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FIGURE 5-29. TIRE SET - 15.5-25 PNUEMATIC



ART_1001297128

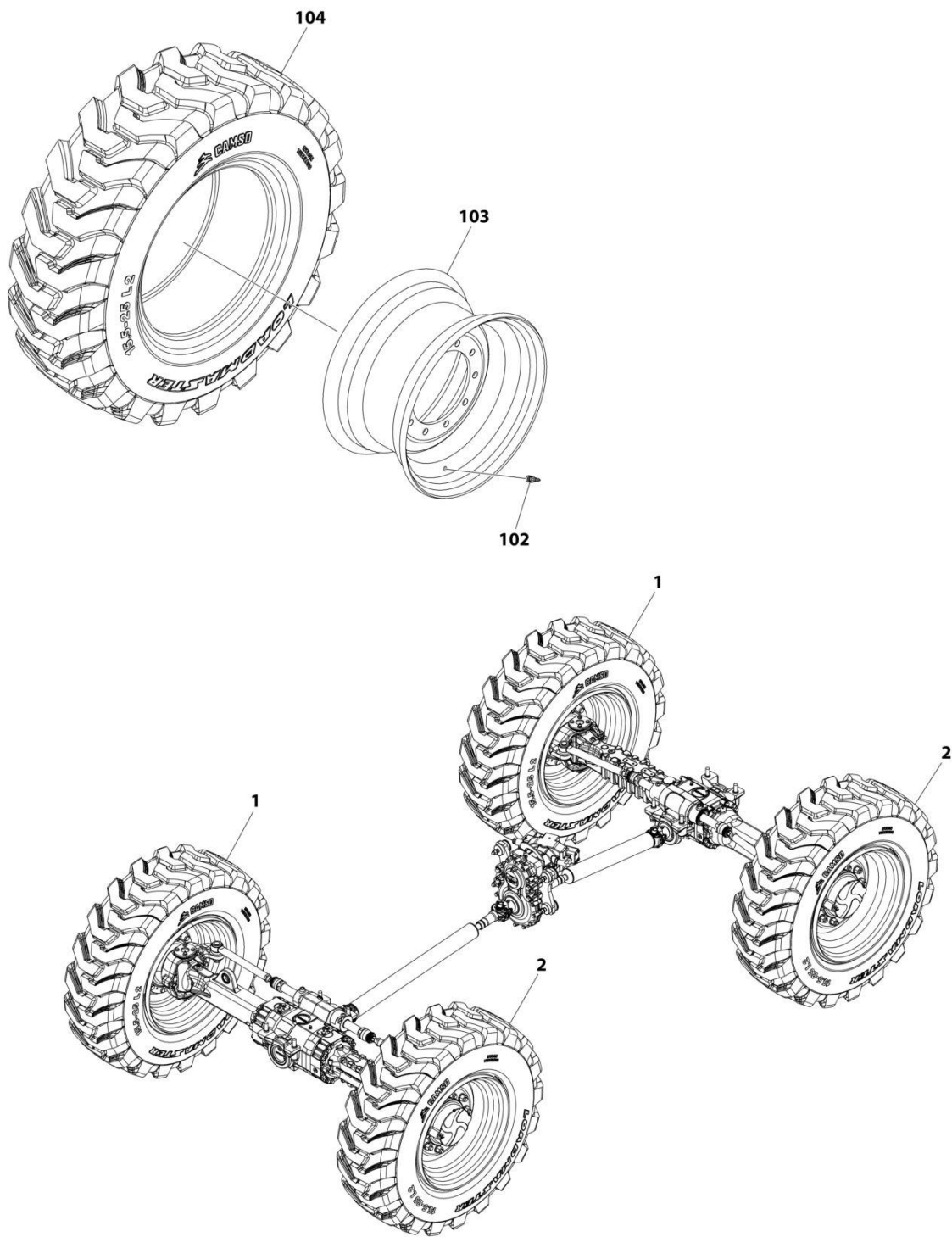
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FIGURE 5-29. TIRE SET - 15.5-25 PNUEMATIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001297128	Ref	TIRE SET - 15.5-25 PNUEMATIC	B
	1001295249	2	Tire and Wheel Assembly (RH) (See Items 101-103 for Breakdown)	A
2	1001295250	2	Tire and Wheel Assembly (LH) (See Items 101-103 for Breakdown)	B
101	8786514	4	Valve, Air (1 per assembly)	
102	1001247465	4	Wheel (1 per assembly)	
103	1001295248	4	Tire - 15.5-25 (1 per assembly)	

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FIGURE 5-30. TIRE SET - 15.5-25 FOAM-FILLED



ART_1001297129

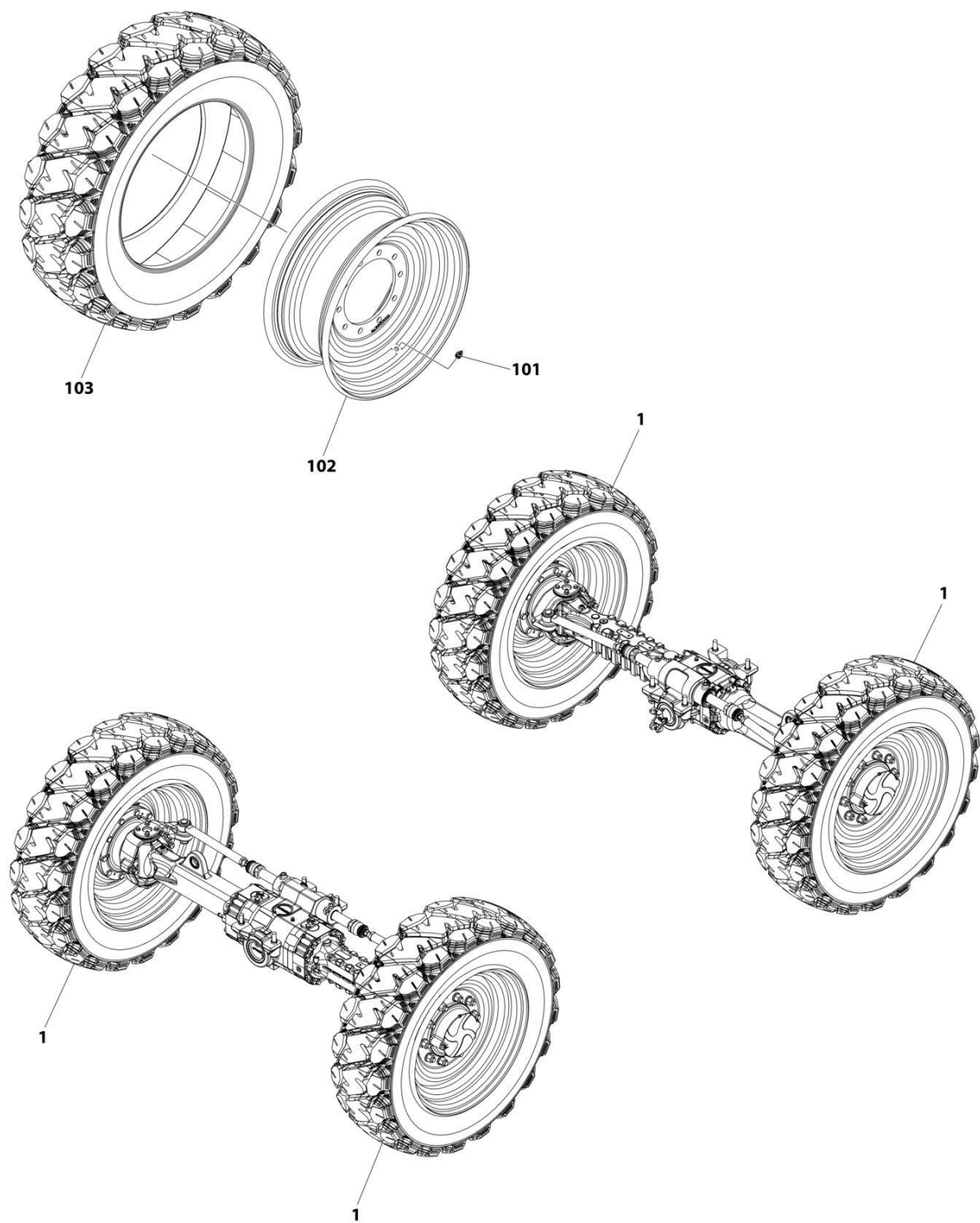
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FIGURE 5-30. TIRE SET - 15.5-25 FOAM-FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001297129	Ref	TIRE/WHEEL SET - 15.5-25 FOAM-FILLED	B
		Ref	Note: Assemblies require ballast/foam filling to manufacture's specifications prior to installing on machine. Refer to Operation & Safety or Service & Maintenance Manuals.	
		Ref	Purchase individual tire and/or wheel only if able to foam fill tire & wheel assembly, otherwise purchase complete assembly.	
1	1001295252	2	Tire and Wheel Assembly (RH) (See Items 102-104 for Breakdown)	A
2	1001295253	2	Tire and Wheel Assembly (LH) (See Items 102-104 for Breakdown)	B
102	8786514	4	Valve, Air (1 per assembly)	
103	1001247465	4	Wheel (1 per assembly)	
104	1001295248	4	Tire - 15.5-25 (1 per assembly)	

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FIGURE 5-31. TIRE SET - 370/75-28 (AIR)



ART1_1001287953

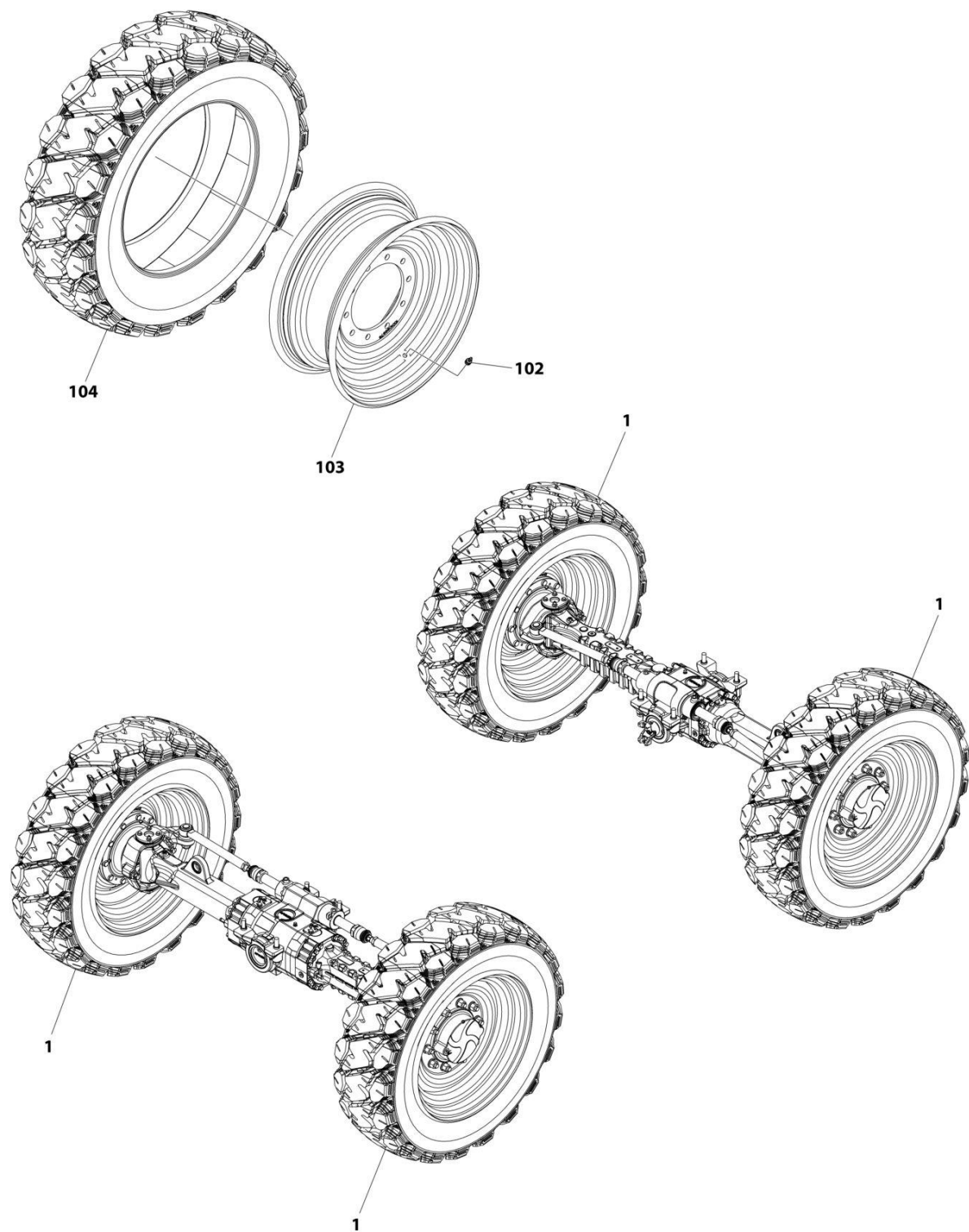
SECTION 5 - DRIVE TRAIN

FIGURE 5-31. TIRE SET - 370/75-28 (AIR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287953	Ref	TIRE SET - 370/75-28 (AIR)	B
1	1001285975	4	Assembly, Tire and Wheel	
101	8786514	4	Valve, Air (1 per Assembly)	
102	1001099976	4	Wheel (1 per Assembly)	
103	1001285962	4	Tire 370/75-28 (1 per Assembly)	

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FIGURE 5-32. TIRE SET - 370/75-28 (FOAM)



ART_1001287954

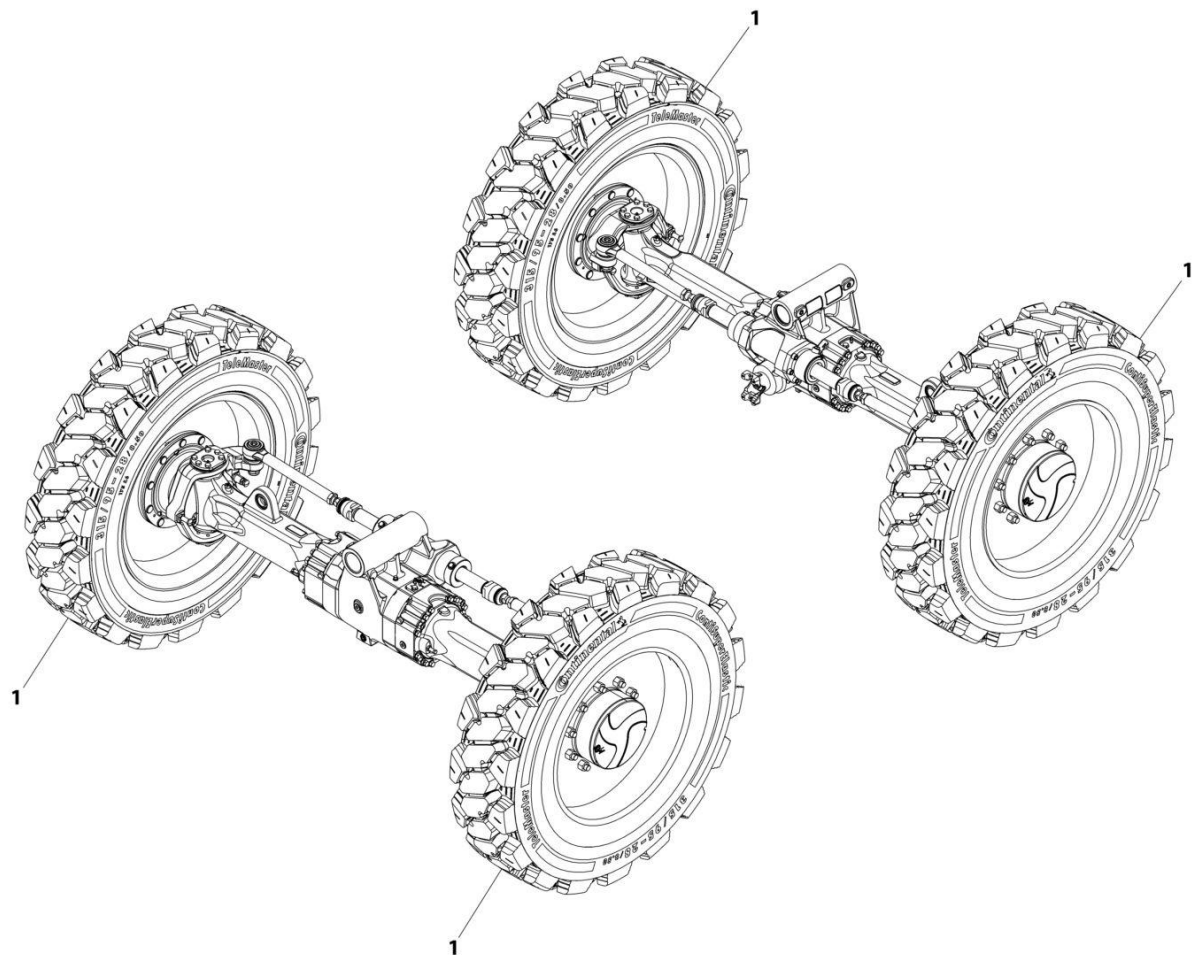
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FIGURE 5-32. TIRE SET - 370/75-28 (FOAM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287954	Ref	TIRE SET - 370/75-28 FOAM (FOAM)	B
		Ref	Note: Assemblies require ballast/foam filling to manufacture's specifications prior to installing on machine. Refer to Operations & Safety or Service & Maintenance Manuals.	
		Ref	Purchase individual tire and/or wheel only if able to foam fill tire & wheel assembly, otherwise purchase complete assembly.	
1	1001285976	4	Assembly, Tire and Wheel	
102	8786514	4	Valve, Air (1 per Assembly)	
103	1001099976	4	Wheel (1 per Assembly)	
104	1001285962	4	Tire 370/75-28 (1 per Assembly)	

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FIGURE 5-33. TIRE SET - 315/95-28/8.5 SOLID



ART_1001222216

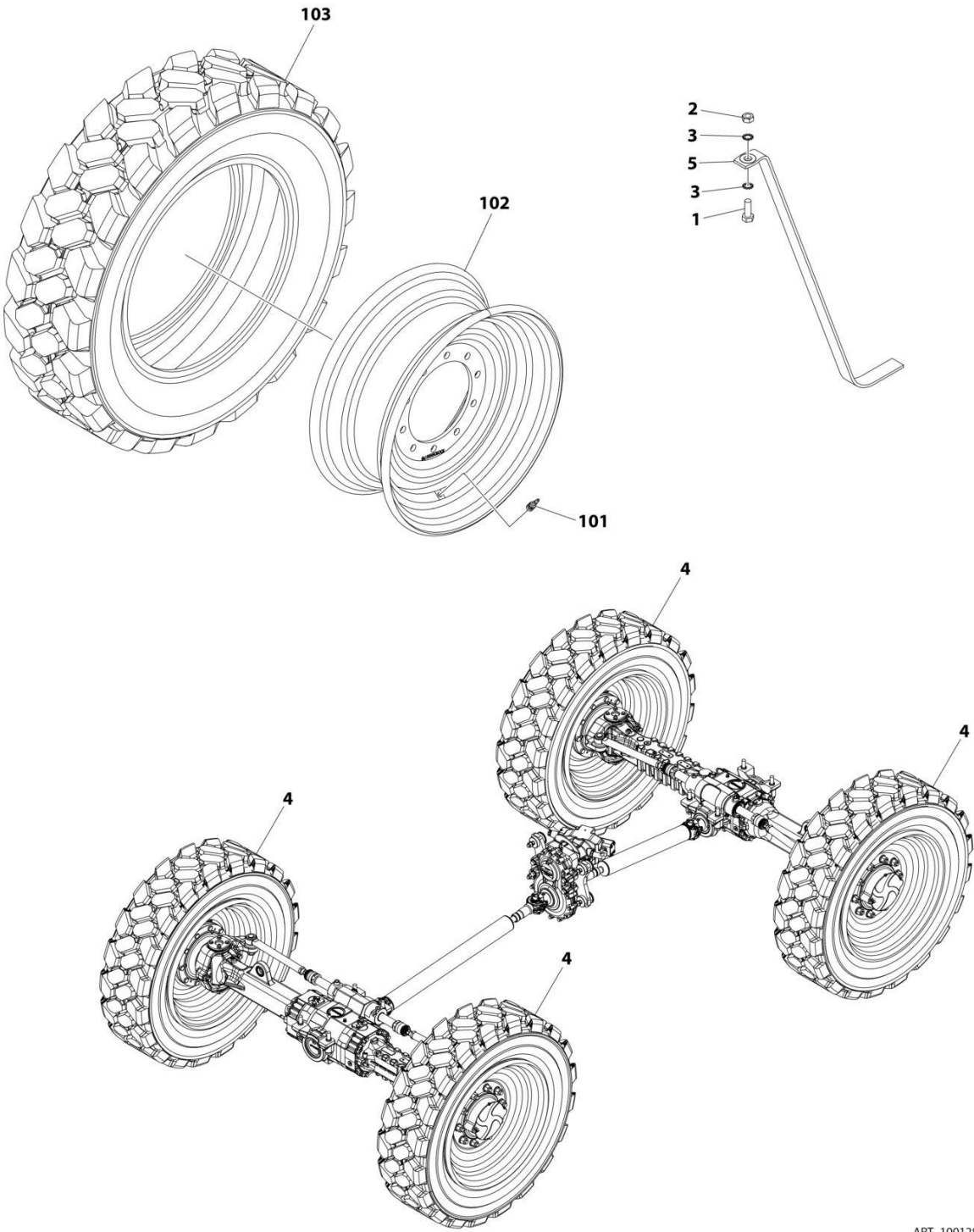
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FIGURE 5-33. TIRE SET - 315/95-28/8.5 SOLID

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001222216	Ref	Tire Set, 315/95-28/8.5 Solid	B
	1001213199J	4	Tire, 315/95-28/8.5 Solid	

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FIGURE 5-34. TIRE SET - 15.5-25 PNUEMATIC NON-MARKING



ART_1001286560

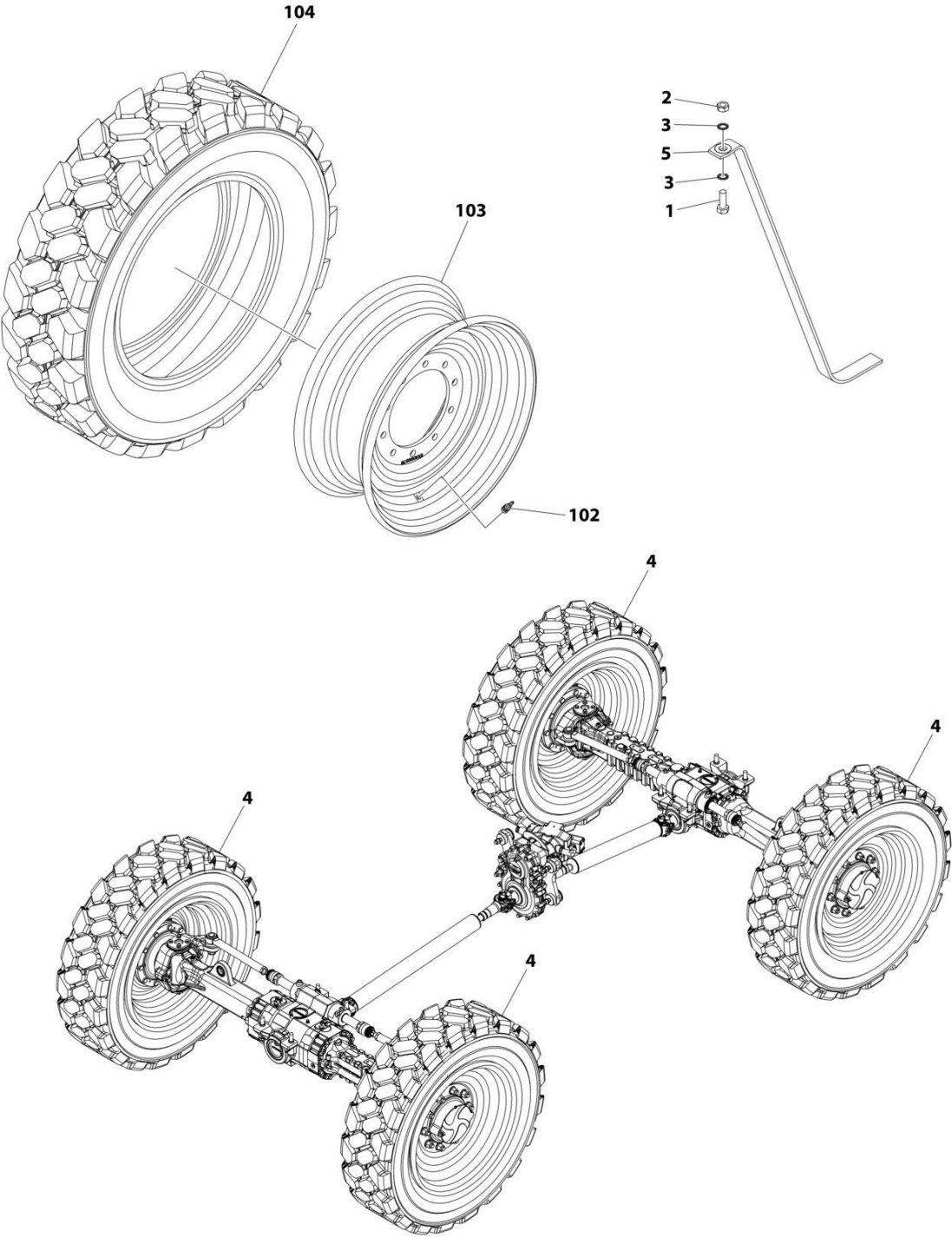
SECTION 5 - DRIVE TRAIN

FIGURE 5-34. TIRE SET - 15.5-25 PNEUMATIC NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286560	Ref	TIRE/WHEEL SET - 15.5-25 PNEUMATIC NON-MARKING	A
1	0761014	1	Bolt M10 x 30	
2	3291001	1	Nut M10	
3	4872000	2	Washer M10	
4	1001241839	4	Tire and Wheel Assembly (See Items 101-103 for Breakdown)	A
5	1001275637	1	Strap, Anti-Static	
101	8786514	4	Valve, Air (1 per assembly)	
102	1001099976	4	Wheel (1 per assembly)	
103	1001241838	4	Tire - 15.5-25 Non-Marking (1 per assembly)	

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FIGURE 5-35. TIRE SET - 15.5-25 FOAM-FILLED NON-MARKING



ART_1001286561

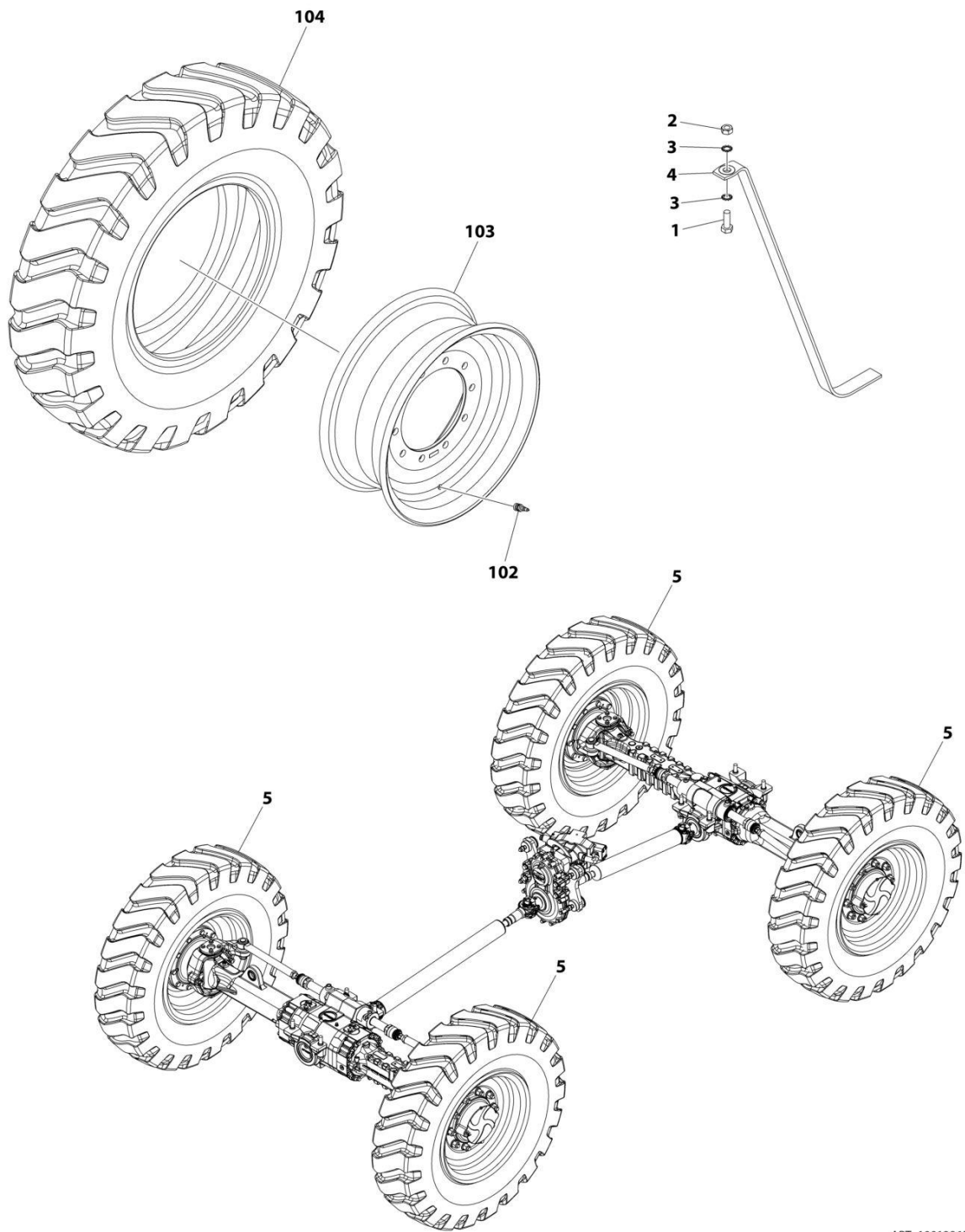
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FIGURE 5-35. TIRE SET - 15.5-25 FOAM-FILLED NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286561	Ref	TIRE/WHEEL SET - 15.5-25 FOAM-FILLED NON-MARKING	A
		Ref	Note: Assemblies require ballast/foam filling to manufacture's specifications prior to installing on machine. Refer to Operation & Safety or Service & Maintenance Manuals.	
		Ref	Purchase individual tire and/or wheel only if able to foam fill tire & wheel assembly, otherwise purchase complete assembly.	
1	0761014	1	Bolt M10 x 30	
2	3291001	1	Nut M10	
3	4872000	2	Washer M10	
4	1001241840	4	Tire and Wheel Assembly (See Items 102-104 for Breakdown)	A
5	1001275637	1	Strap, Anti-Static	
102	8786514	4	Valve, Air (1 per assembly)	
103	1001099976	4	Wheel (1 per assembly)	
104	1001241838	4	Tire - 15.5-25 Non-Marking (1 per assembly)	

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FIGURE 5-36. TIRE SET - 15.5-25 (SUNSTATE) FOAM-FILLED NON-MARKING



ART_1001286562

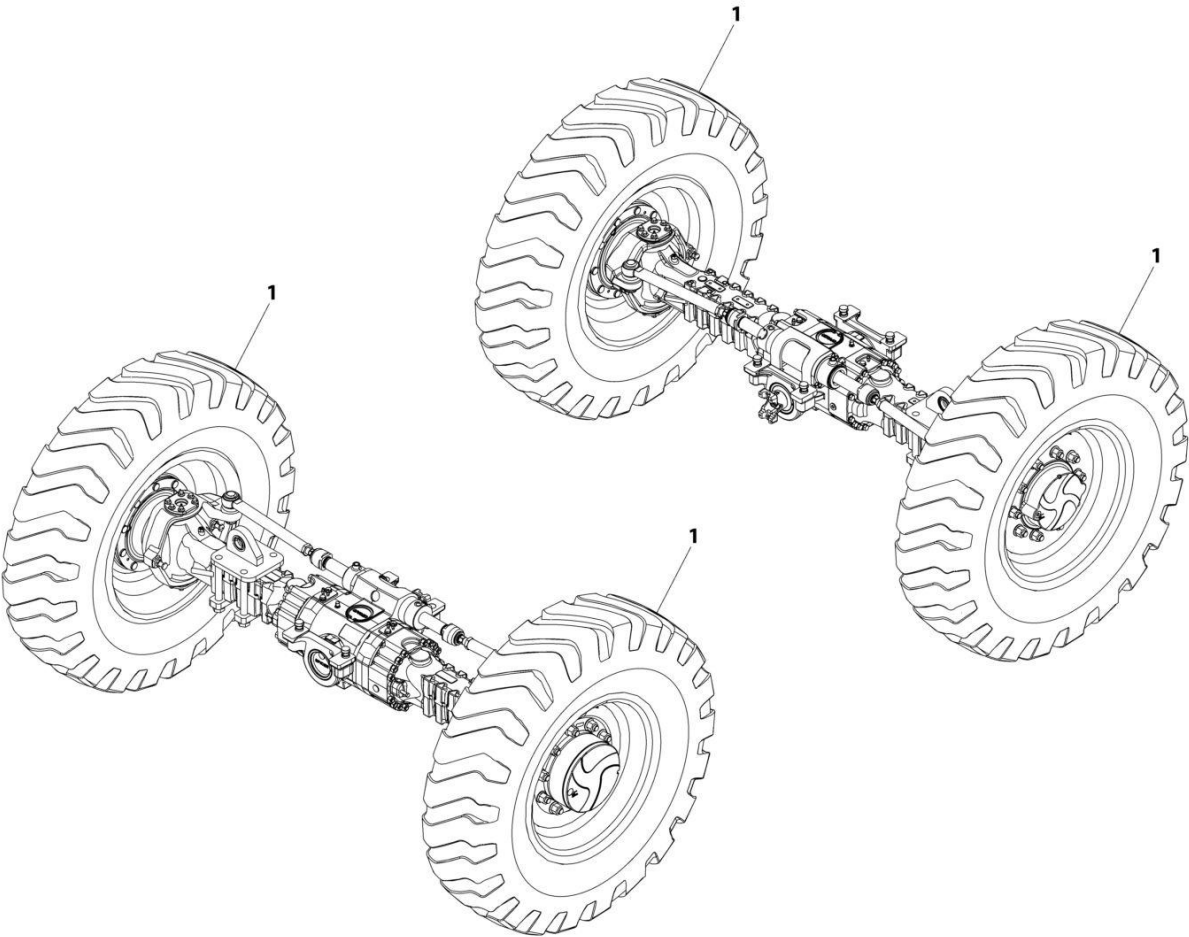
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FIGURE 5-36. TIRE SET - 15.5-25 (SUNSTATE) FOAM-FILLED NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286562	Ref	TIRE SET - 15.5-25 (SUNSTATE) FOAM-FILLED NON-MARKING	A
		Ref	Note: Assemblies require ballast/foam filling to manufacture's specifications prior to installing on machine. Refer to Operation & Safety or Service & Maintenance Manuals.	
		Ref	Purchase individual tire and/or wheel only if able to foam fill tire & wheel assembly, otherwise purchase complete assembly.	
1	0761014	1	Bolt M10 x 30	
2	3291001	1	Nut M10	
3	4872000	2	Washer M10	
4	1001275637	1	Strap, Anti-Atatic	
5	1001281183	4	Tire and Wheel Assembly (See Items 102-104 for Breakdown)	A
102	8786514	4	Valve, Air (1 per assembly)	
103	91473206	4	Wheel (1 per assembly)	
104	1001281181	4	Tire - 15.5-25 Non-Marking (1 Per assembly)	

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FIGURE 5-37. TIRE SET -13.00-24 FOAM (E-3) (SUNSTATE ONLY)



ART_1001264712

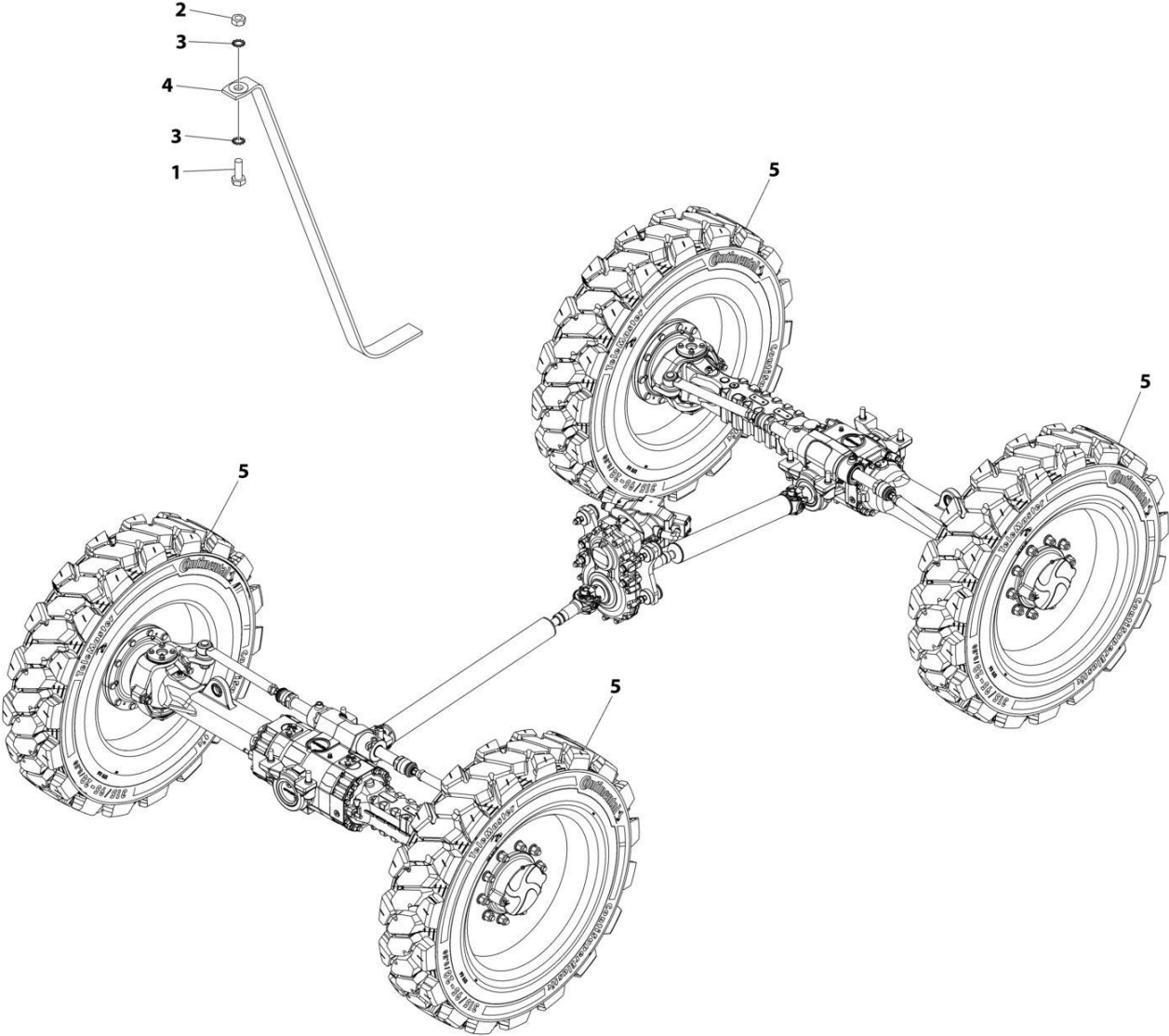
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FIGURE 5-37. TIRE SET -13.00-24 FOAM (E-3) (SUNSTATE ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264712	Ref	TIRE SET, 13.00-24 FOAM Filled (E-3)	A
		Ref	Note: Assemblies require ballast/foam filling to manufacture's specifications prior to installing on machine. Refer to Operation & Safety or Service & Maintenance Manuals.	
		Ref	Purchase individual tire and/or wheel only if able to foam fill tire & wheel assembly, otherwise purchase complete assembly.	
1	1001264699	4	Tire/Wheel Assembly 13-24 E-3 - Foam Filled	
1	1001263010	4	Tire, 13.00x24 E-3 12 PLY	
1	8786514	4	Valve, Stem	
1	91473206	4	Wheel, 24x9.00 GR	

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FIGURE 5-38. TIRE SET - 315/95-28 SOLID NON-MARKING



ART_1001318383

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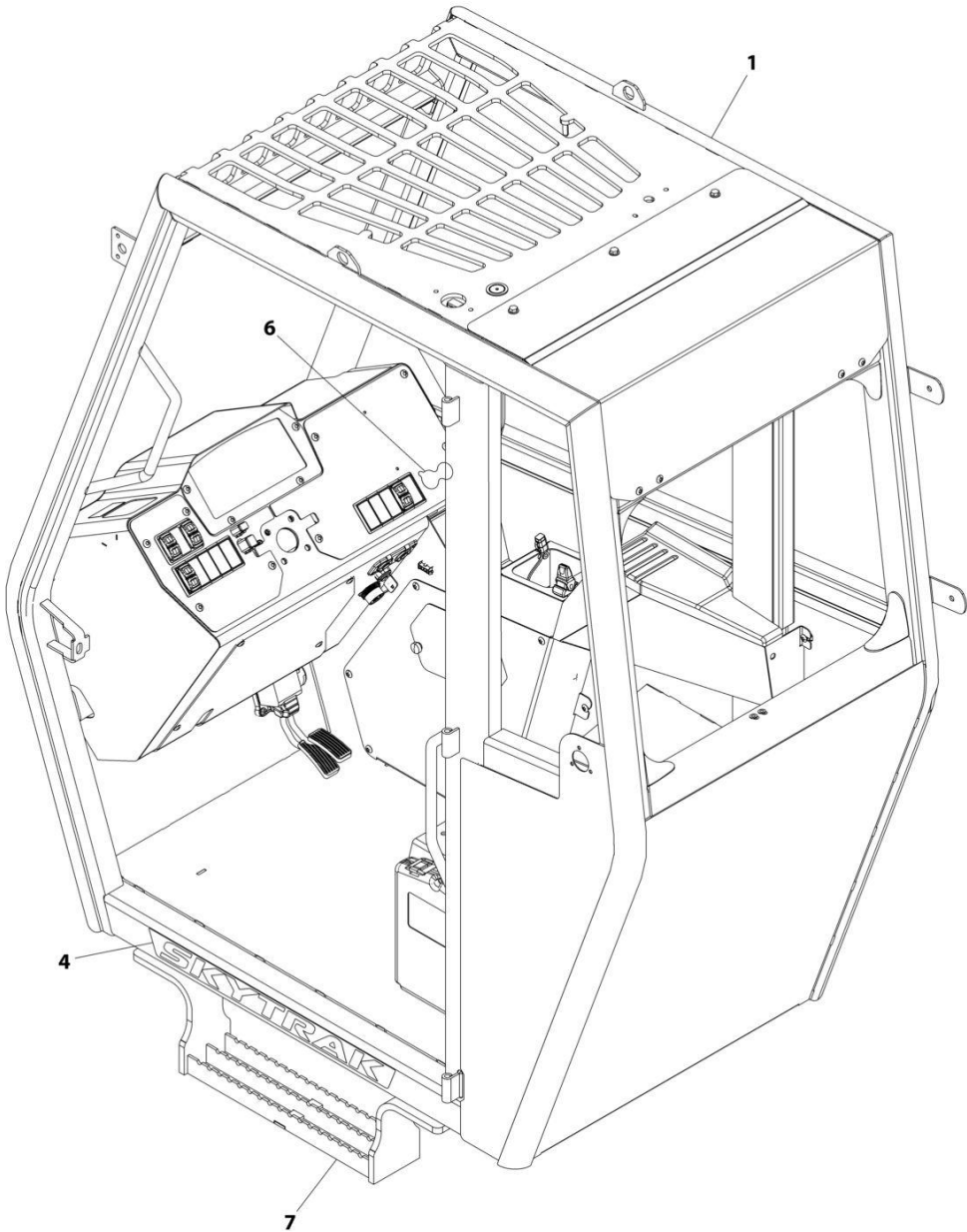
FIGURE 5-38. TIRE SET - 315/95-28 SOLID NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001318383	Ref	TIRE SET - 315/95-28 SOLID NON-MARKING	A
		Ref	Note: Assemblies require ballast/foam filling to manufacture's specifications prior to installing on machine. Refer to Operation & Safety or Service & Maintenance Manuals.	
		Ref	Purchase individual tire and/or wheel only if able to foam fill tire & wheel assembly, otherwise purchase complete assembly.	
1	0761014	1	Bolt M10 x 30	
2	3291001	1	Nut M10	
3	4872000	2	Washer M10	
4	1001275637	1	Strap, Anti-Static	
5	1001318384	4	Tire and Wheel (Sold as Assembly Only)	

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SECTION 6 - CAB

FIGURE 6-1. CAB INSTALLATION - OPEN



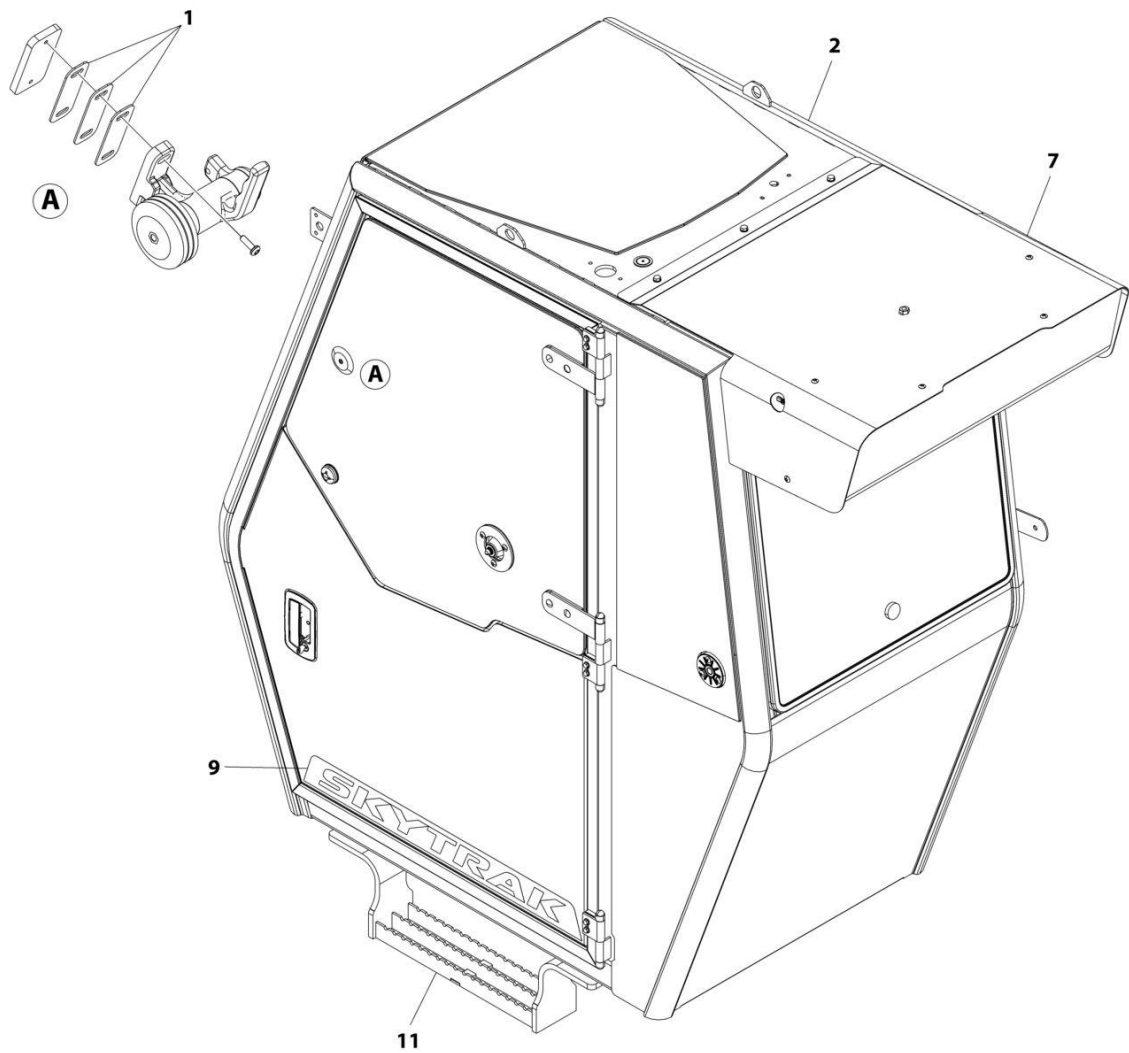
ART_1001281980

FIGURE 6-1. CAB INSTALLATION - OPEN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281980	Ref	CAB INSTALLATION - OPEN	C
1	1001267861	1	Cab, Open	
2	1001267868	1	Cab Interior Installation (Not Shown - See Separate Breakdown in this Section)	
3	1001269050	1	Cab Electrical Installation (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
4	1001275347	1	Cab Decals Installation	
4	1001275154	1	Decal - SKYTRACK	
5	1001284424	1	Cab Diagnostic Plug Installation (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
6	1001190347	1	Decal	
7	1001278482	1	Step Cab Installation (See Separate Breakdown in this Section)	
8	1001080494	2	Cover, Switch (Not Shown)	

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FIGURE 6-2. CAB INSTALLATION - ENCLOSED WITH HEAT ONLY



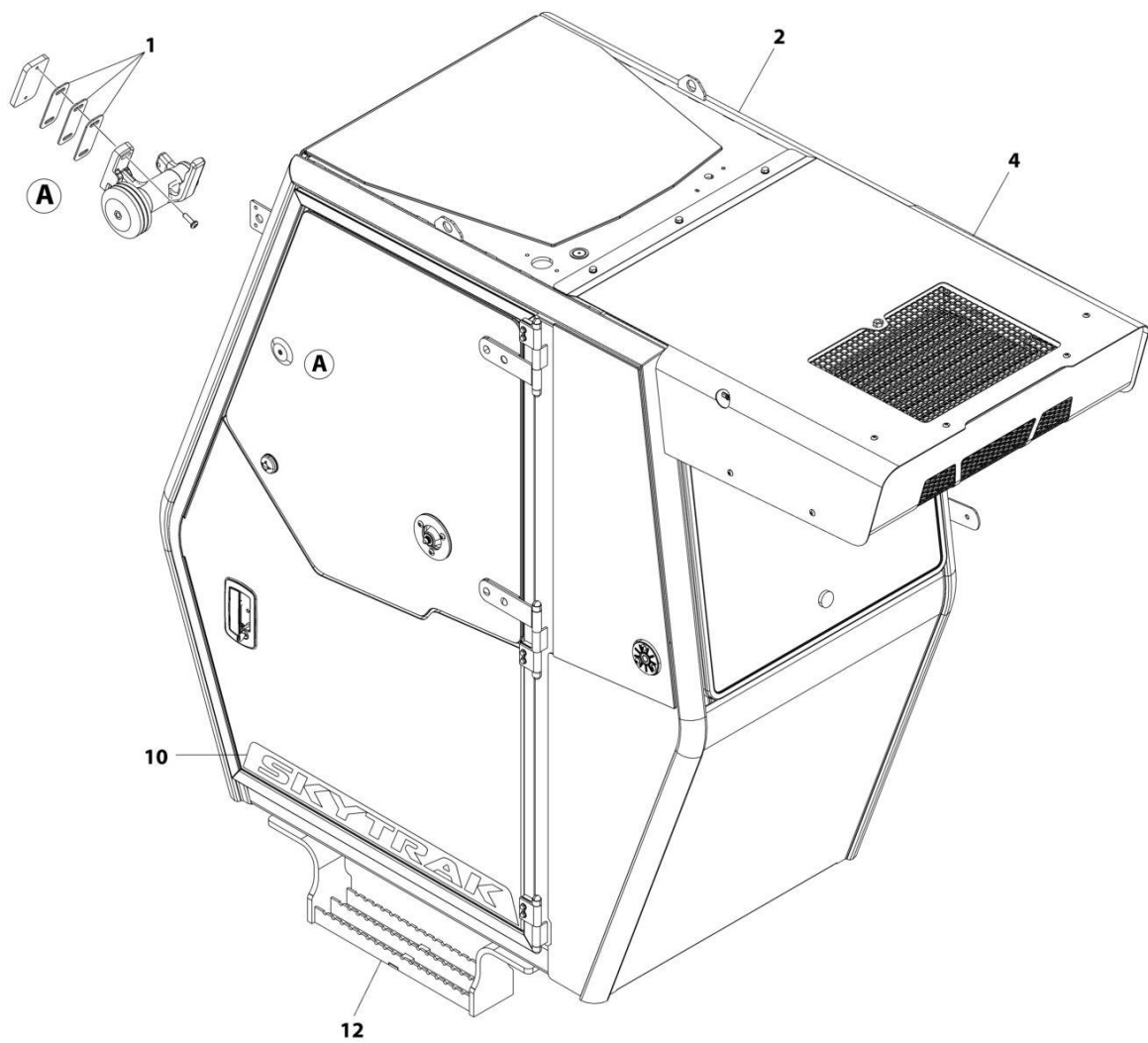
ART_1001281981

FIGURE 6-2. CAB INSTALLATION - ENCLOSED WITH HEAT ONLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281981	Ref	CAB INSTALLATION - ENCLOSED WITH HEAT ONLY	D
1	1001265272	AR	Shim	
2	1001300229	1	Cab, Enclosed with Heat Only (See Separate Breakdown in this Section)	
3	1001267866	1	Cab Heater Installation (Not Shown - See Separate Breakdown in this Section)	
4	1001267868	1	Cab Interior Installation (Not Shown - See Separate Breakdown in this Section)	
5	1001269050	1	Cab Electrical Installation (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
6	1001273610	1	Cab Electrical Installation - Enclosed Cab (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
7	1001273792	1	Cab Heater Controls Installation (See Separate Breakdown in this Section)	
8	1001274018	1	Cab Heater Lines Installation (Not Shown - See Separate Breakdown in this Section)	
9	1001275348	1	Cab Decals Installation	
9	1001274439	1	Decal - SKYTRACK	
10	1001284424	1	Cab Diagnostic Plug Installation (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
11	1001278482	1	Step Cab Installation (See Separate Breakdown in this Section)	
12	1001080494	2	Cover, Switch (Not Shown)	

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FIGURE 6-3. CAB INSTALLATION - ENCLOSED WITH HEAT/AC



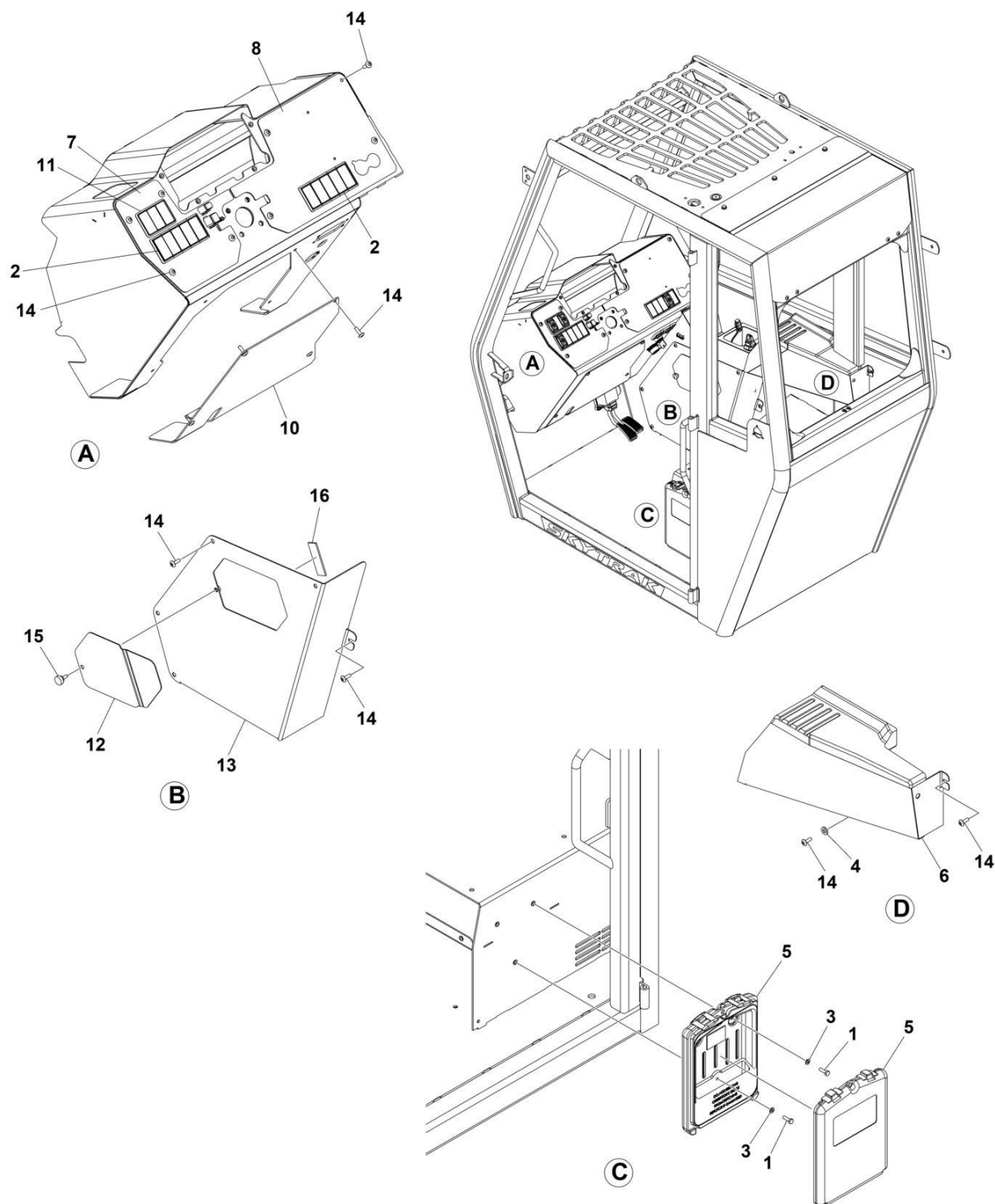
ART_1001281982

FIGURE 6-3. CAB INSTALLATION - ENCLOSED WITH HEAT/AC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281982	Ref	CAB INSTALLATION - ENCLOSED WITH HEAT/AC	D
1	1001265272	AR	Shim	
2	1001300228	1	Cab, Enclosed with Heat and AC Assembly (See Separate Breakdown in this Section)	
3	1001267866	1	Cab Heater Installation (Not Shown - See Separate Breakdown in this Section)	
4	1001267867	1	Cab HVAC Controls Installation (See Separate Breakdown in this Section)	
5	1001267868	1	Cab Interior Installation (Not Shown - See Separate Breakdown in this Section)	
6	1001269050	1	Cab Electrical Installation (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
7	1001273610	1	Cab Electrical Installation - Enclosed Cab (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
8	1001274018	1	Cab Heater Lines Installation (Not Shown - See Separate Breakdown in this Section)	
9	1001274019	1	Cab HVAC Lines Installation (Not Shown - See Separate Breakdown in this Section)	
10	1001275348	1	Cab Decals Installation	
10	1001274439	1	Decal - SKYTRACK	
11	1001284424	1	Cab Diagnostic Plug Installation (Not Shown - See Separate Breakdown in ELECTRICAL Section)	
12	1001278482	1	Step Cab Installation (See Separate Breakdown in this Section)	
13	1001080494	2	Cover, Switch (Not Shown)	

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FIGURE 6-4. CAB INTERIOR INSTALLATION



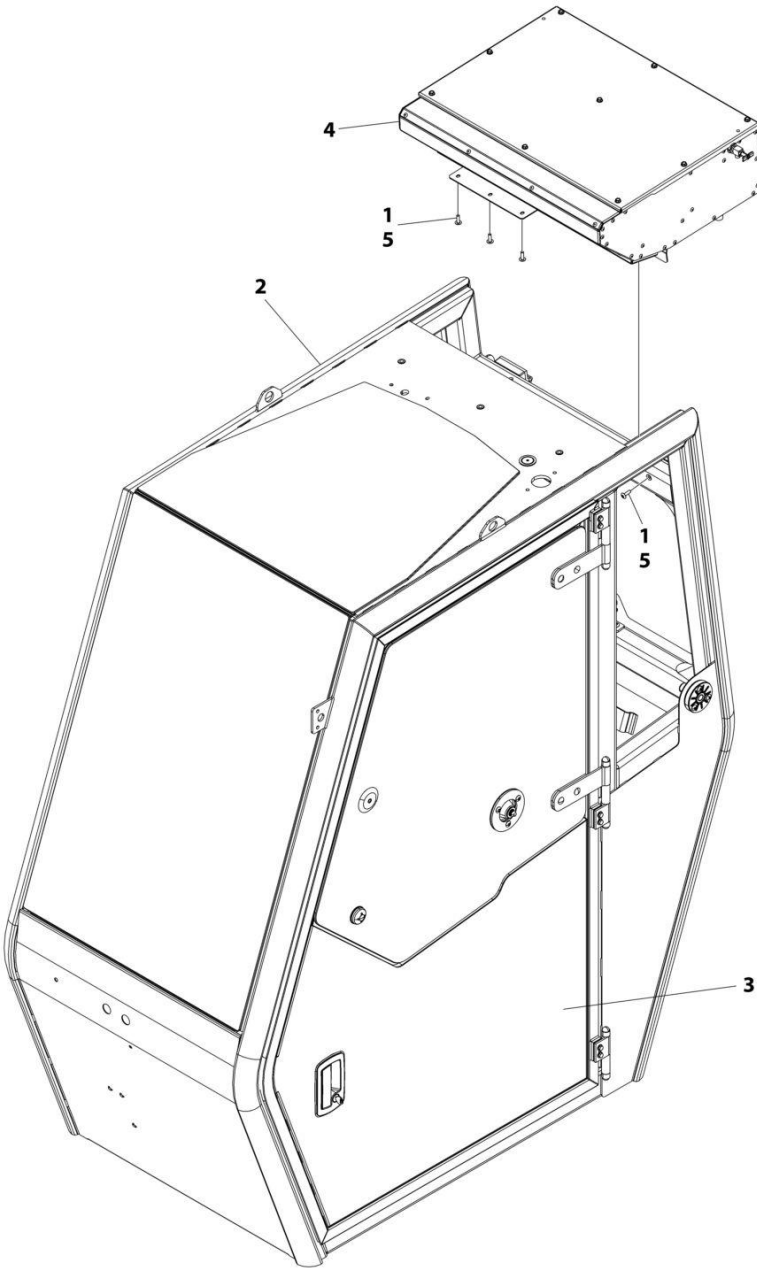
ART_1001267868_H

FIGURE 6-4. CAB INTERIOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267868	Ref	CAB INTERIOR INSTALLATION	H
1	0700610	3	Bolt M6 x 20	
2	4360569	2	Switch, Bezel	
3	4811700	3	Washer M6	
4	5240800	1	Washer M8	
5	8990147	1	Holder, Manual	
6	1001268920	1	Cab, Console Right	
7	1001269165	1	Panel, LH	
8	1001269166	1	Panel RH	
10	1001269803	1	Panel, Lower	
11	1001271891	1	Switch, Bezel	
12	1001288898	1	Panel, Fuse Box	
13	1001272630	1	Panel, Console Leg	
14	1001272884	21	Bolt M6 x 20	
15	1001208308	1	Screw M6 x 15	
16	4420037	2 ft /15 in	Tape, Insulation	
17	5240600	1	Washer M6 (Not Shown)	

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FIGURE 6-5. CAB SUB-ASSEMBLY (HEAT ONLY)



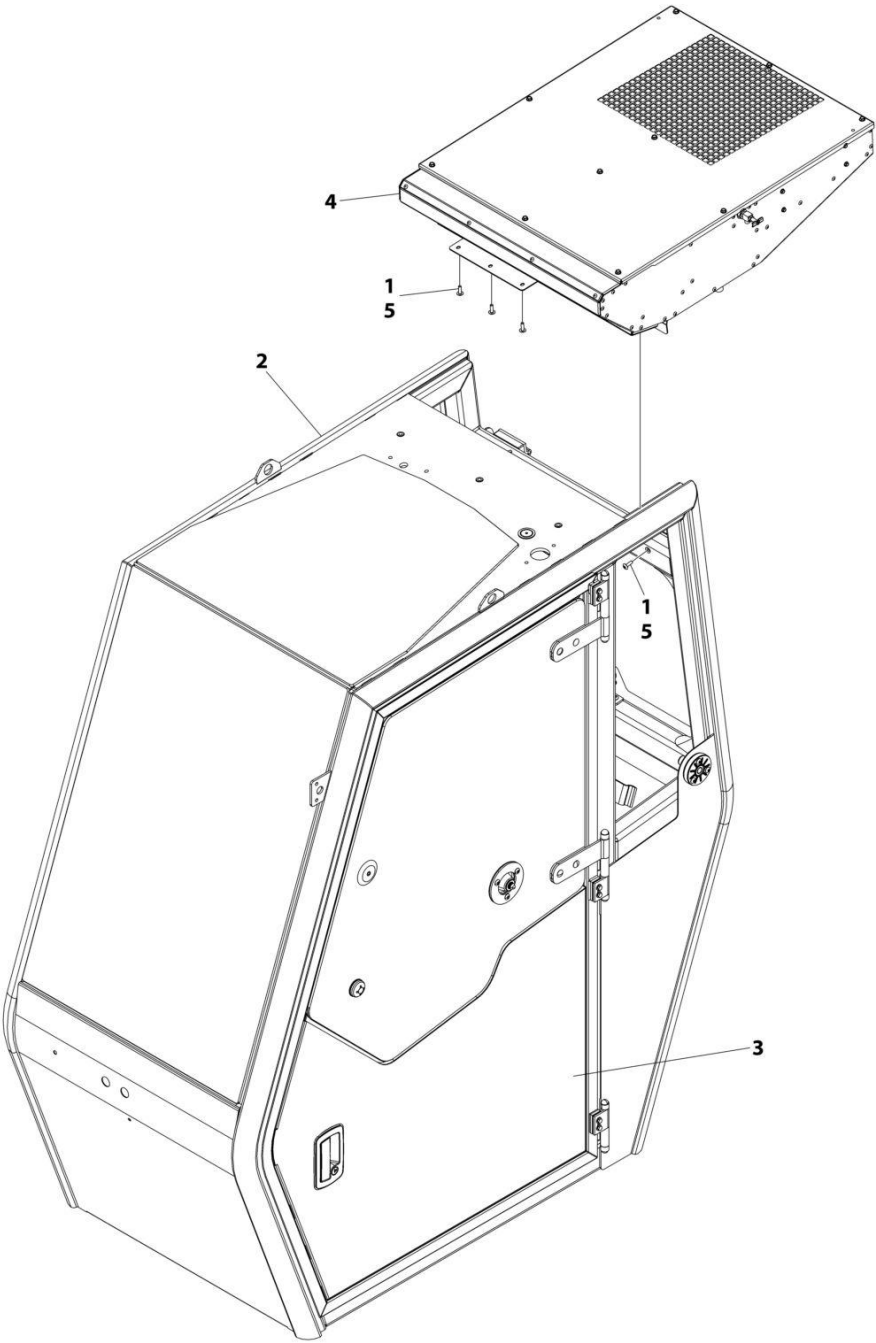
ART_1001300229

FIGURE 6-5. CAB SUB-ASSEMBLY (HEAT ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001300229	Ref	CAB SUB-ASSEMBLY	F
1	1001111317	AR	Adhesive/Sealant - Window	
2	1001267864	1	Cab	
3	1001300227	1	Cab Assembly (See Separate Breakdown in this Section)	
4	1001270771	1	Heater Assembly (See Separate Breakdown in this Section)	
5	1001272884	6	Bolt M6 x 20	

SECTION 6 - CAB

FIGURE 6-6. CAB SUB-ASSEMBLY (HEAT AND AC)



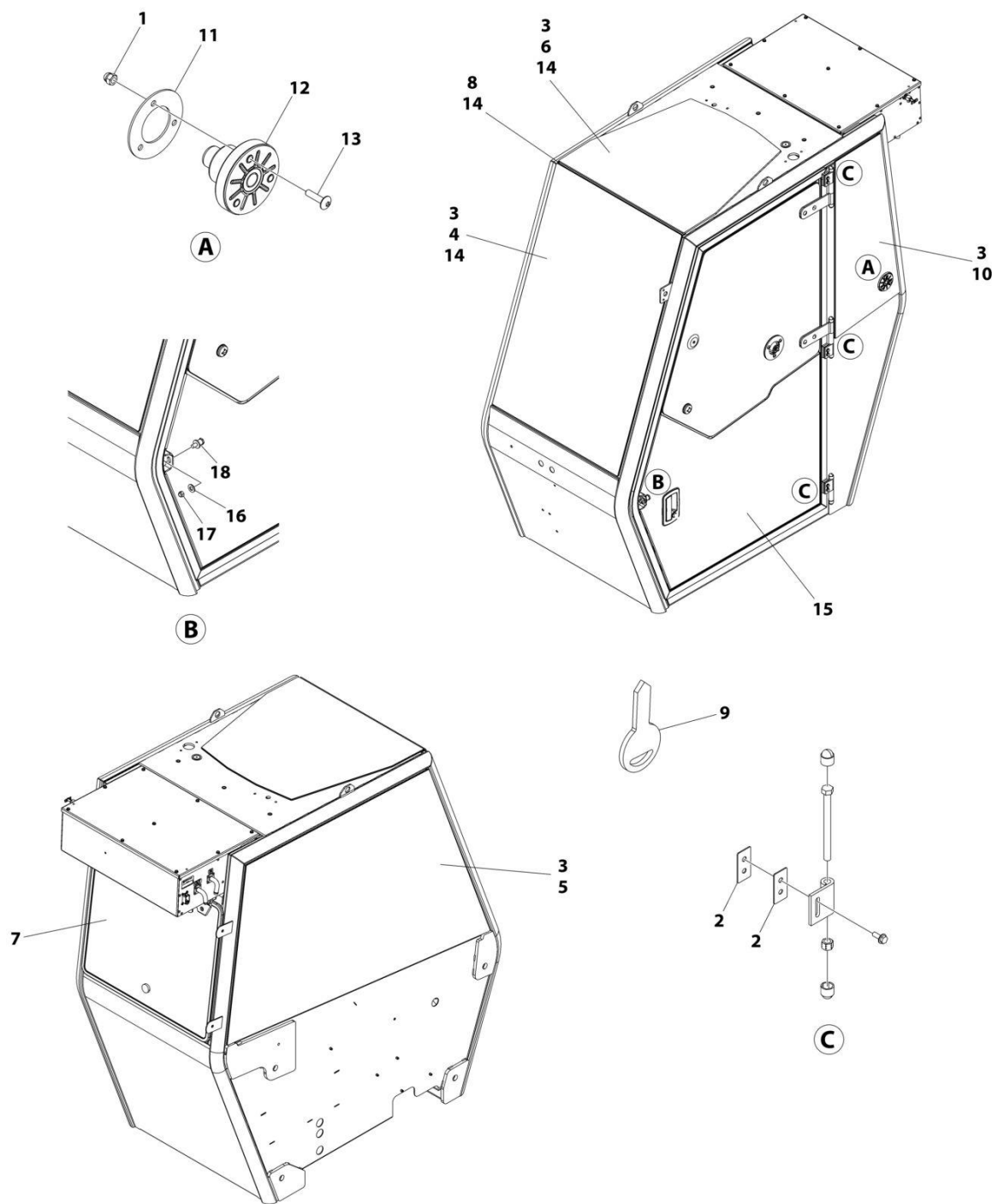
ART_1001300228

FIGURE 6-6. CAB SUB-ASSEMBLY (HEAT AND AC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001300228	Ref	CAB SUB-ASSEMBLY	F
1	1001111317	AR	Adhesive/Sealant - Window	
2	1001267864	1	Cab	
3	1001300227	1	Cab Assembly (See Separate Breakdown in this Section)	
4	1001270772	1	HVAC Assembly (See Separate Breakdown in this Section)	
5	1001272884	6	Bolt M6 x 20	

SECTION 6 - CAB

FIGURE 6-7. CAB ASSEMBLY



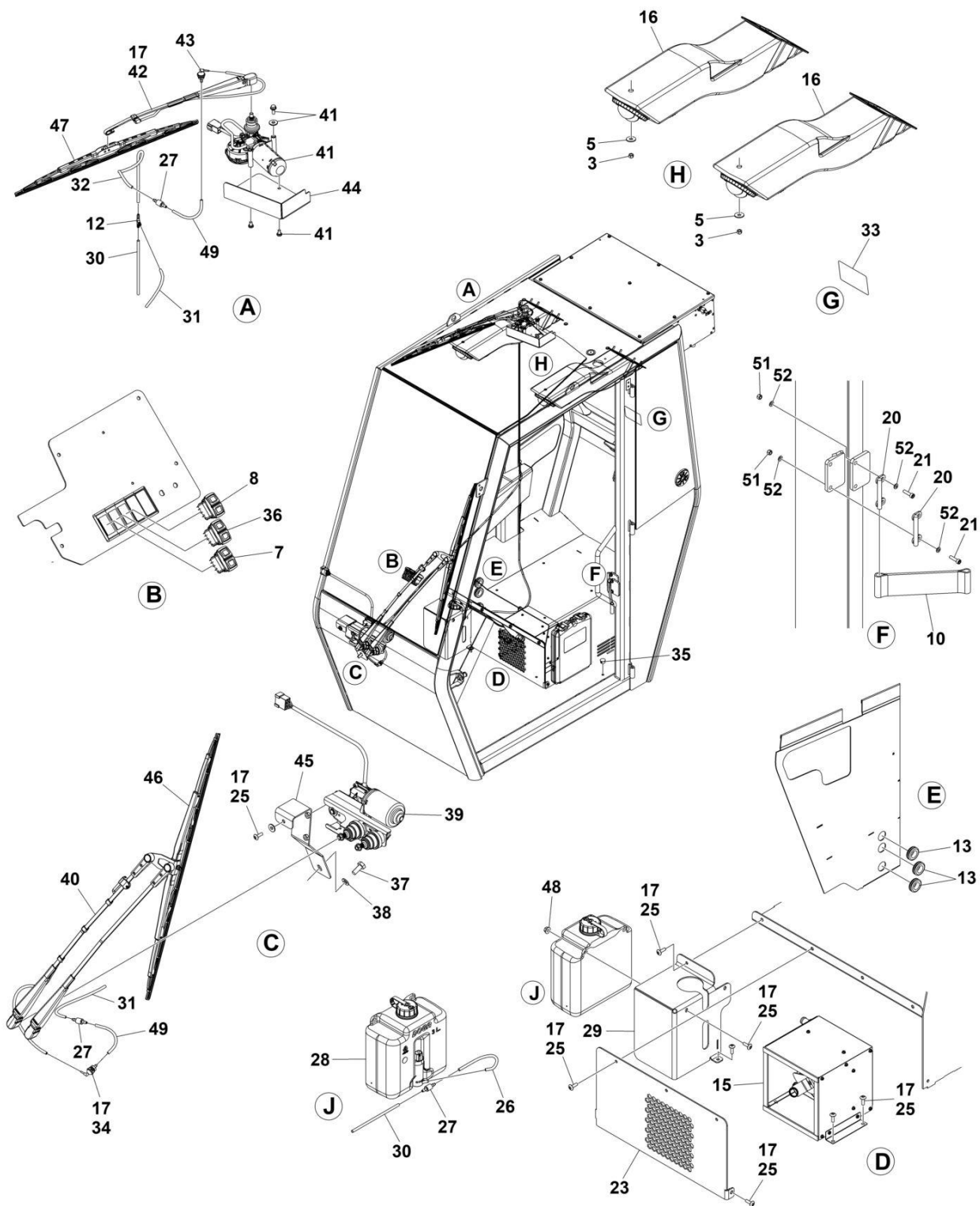
ART_1001300227

FIGURE 6-7. CAB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001300227	Ref	CAB ASSEMBLY	D
1	1001108603	3	Nut M6	
2	1001182135	AR	Shim, Door Hinge	
3	1001215531	AR	Compound, Locking	
4	1001269077	1	Window, Windshield	
5	1001269078	1	Window, Side (RH)	
6	1001269081	1	Window, Roof	
7	1001269329	1	Window Assembly (Rear) (See Separate Breakdown in this Section)	
8	1001273800	1	Molding, Window	
9	1001273876	1	Key, Cab	
10	1001287007	1	Window, Rear (LH)	
11	1001287981	1	Gasket	
12	1001288356	1	Latch	
13	1001294187	3	Screw M6 x 1-1/4	
14	1001296154	AR	Compound, Locking	
15	1001300226	1	Door Assembly (See Separate Breakdown in this Section)	
16	8307112	1	Washer 1/2	
17	8310109	1	Nut	
18	1001109478	1	Striker, Latch	

SECTION 6 - CAB

FIGURE 6-8. CAB HEATER INSTALLATION



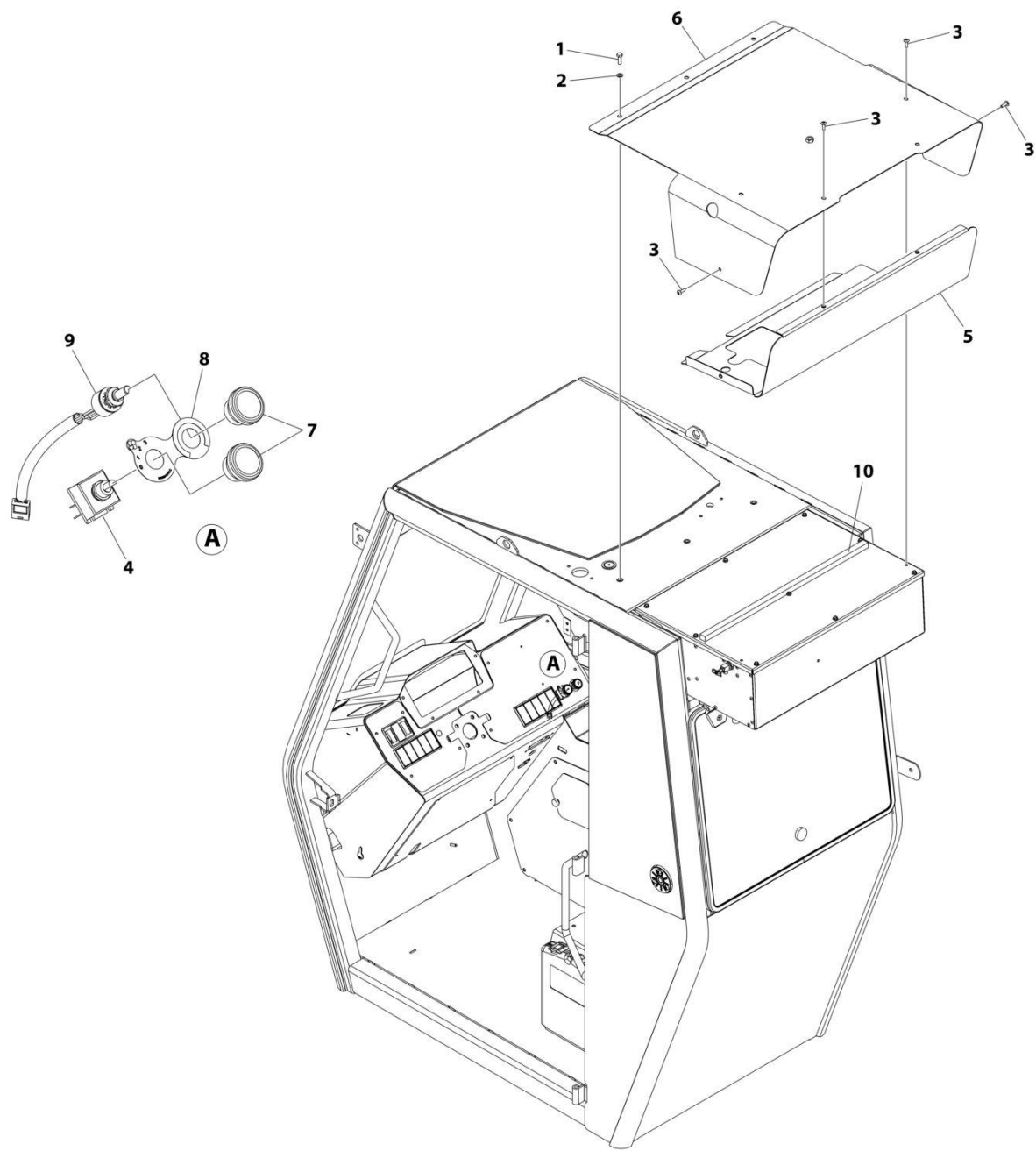
ART_1001267866_I

FIGURE 6-8. CAB HEATER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267866	Ref	CAB HEATER INSTALLATION	I
3	3290605	2	Nut M6 x 1	
5	4811702	2	Washer M6	
7	1001279159	1	Switch, Front Wiper	
8	1001279678	1	Switch, Windscreen Washer	
10	80384218	1	Strap, Door	
12	1001008742	1	Fitting, Tee	
13	1001081049	3	Grommet, Split	
15	1001159856	1	Cab Heater Assembly (See Separate Breakdown in this Section)	
16	1001160785	2	Duct, HVAC	
17	1001177746	AR	Compound, Locking	
20	1001230163	2	Bracket	
21	4031608	4	Capscrew M5 x 20	
23	1001275363	1	Panel, Floor Heater Access	
25	1001272884	24	Bolt M6 x 30	
26	1001165351	1	Hose	
27	1001201331	3	Valve, Check	
28	1001274835	1	Washer Bottle Assembly	
29	1001275273	1	Bracket	
30	1001275458	1	Hose	
31	1001275459	1	Hose	
32	1001275477	1	Hose	
33	8005870	1	Decal, Emergency Exit	
34	1001090343	1	Connector	
35	1001207963	1	Plug, 5/8	
36	1001279158	1	Switch, Roof Wiper	
37	0761012	1	Bolt M10 x 25	
38	4812000	2	Washer M10	
39	1001283481	1	Motor, Wiper - Front (No Service Parts - Sold as Assembly Only)	
40	1001283482	1	Blade, Front Wiper	
41	1001283483	1	Motor, Wiper - Roof (No Service Parts - Sold as Assembly Only)	
42	1001283484	1	Blade, Roof Wiper	
43	1001283485	1	Connector	
44	1001283486	1	Plate, Roof Wiper Motor Cover	
45	1001283492	1	Bracket, Front Wiper Motor	
46	1001283530	1	Blade	
47	1001283532	1	Blade, Roof	
48	5260600	2	Nut M6	
49	1001165416	2	Hose	
50	1062255	AR	Tie-Strap (Not Shown)	
51	3290505	4	Nut M5	
52	4811600	8	Washer M5	

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FIGURE 6-9. CAB HEATER CONTROLS INSTALLATION



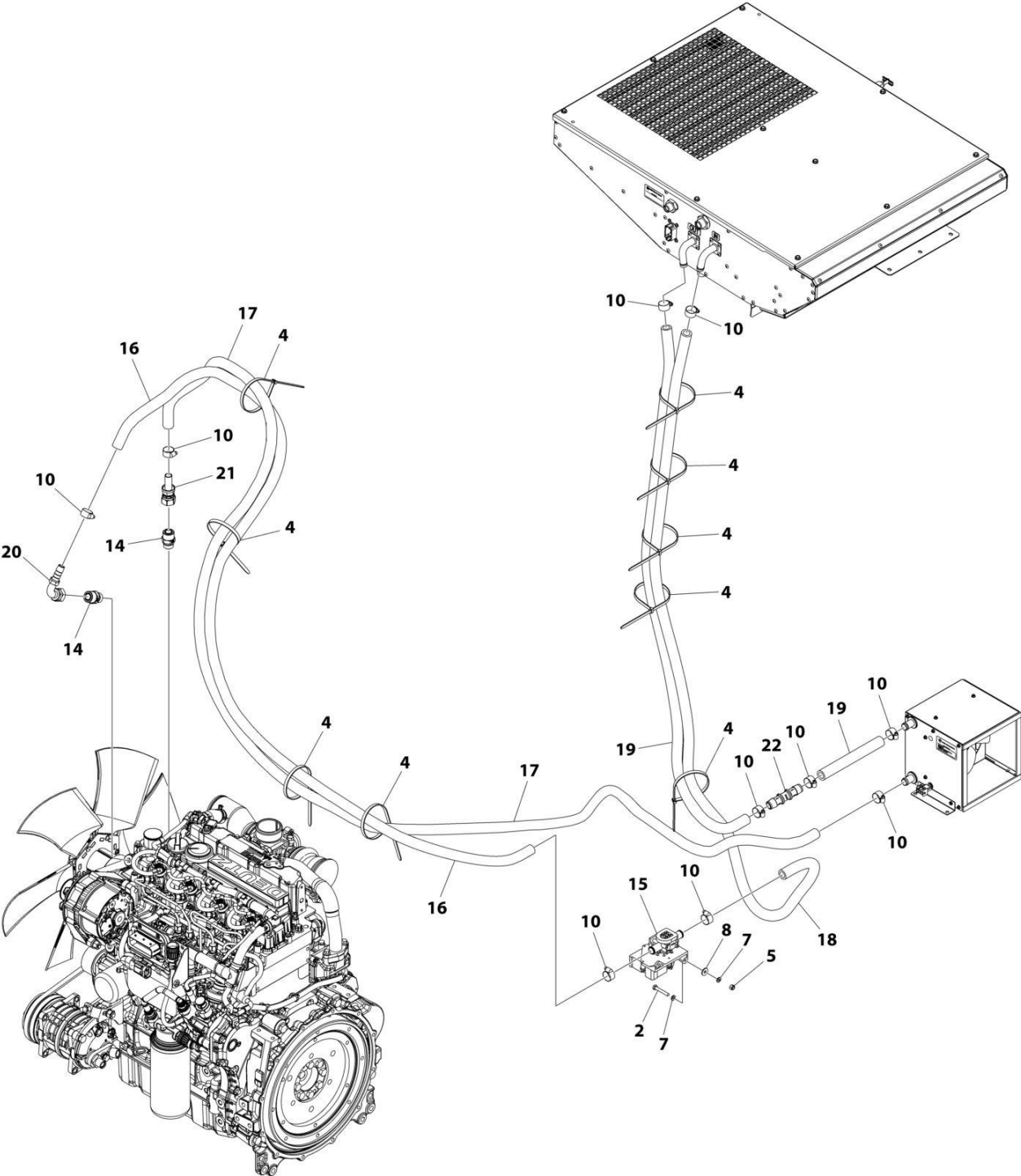
ART_1001273792

FIGURE 6-9. CAB HEATER CONTROLS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001273792	Ref	CAB HEATER CONTROLS INSTALLATION	D
1	0760812	3	Bolt M8 x 25	
2	4811900	3	Washer M8	
3	1001272884	6	Bolt M6 x 20	
4	1001172547	1	Switch, HVAC Rotary	
5	1001274213	1	Hood, Bottom	
6	1001274478	1	Hood, Top	
7	1001172550	2	Control Knob, HVAC	
8	1001184975	1	Decal, HVAC	
9	1001273883	1	Rasistor	
10	1001298464	1	Seal, Foam Gasket	

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FIGURE 6-10. CAB HEATER LINES INSTALLATION



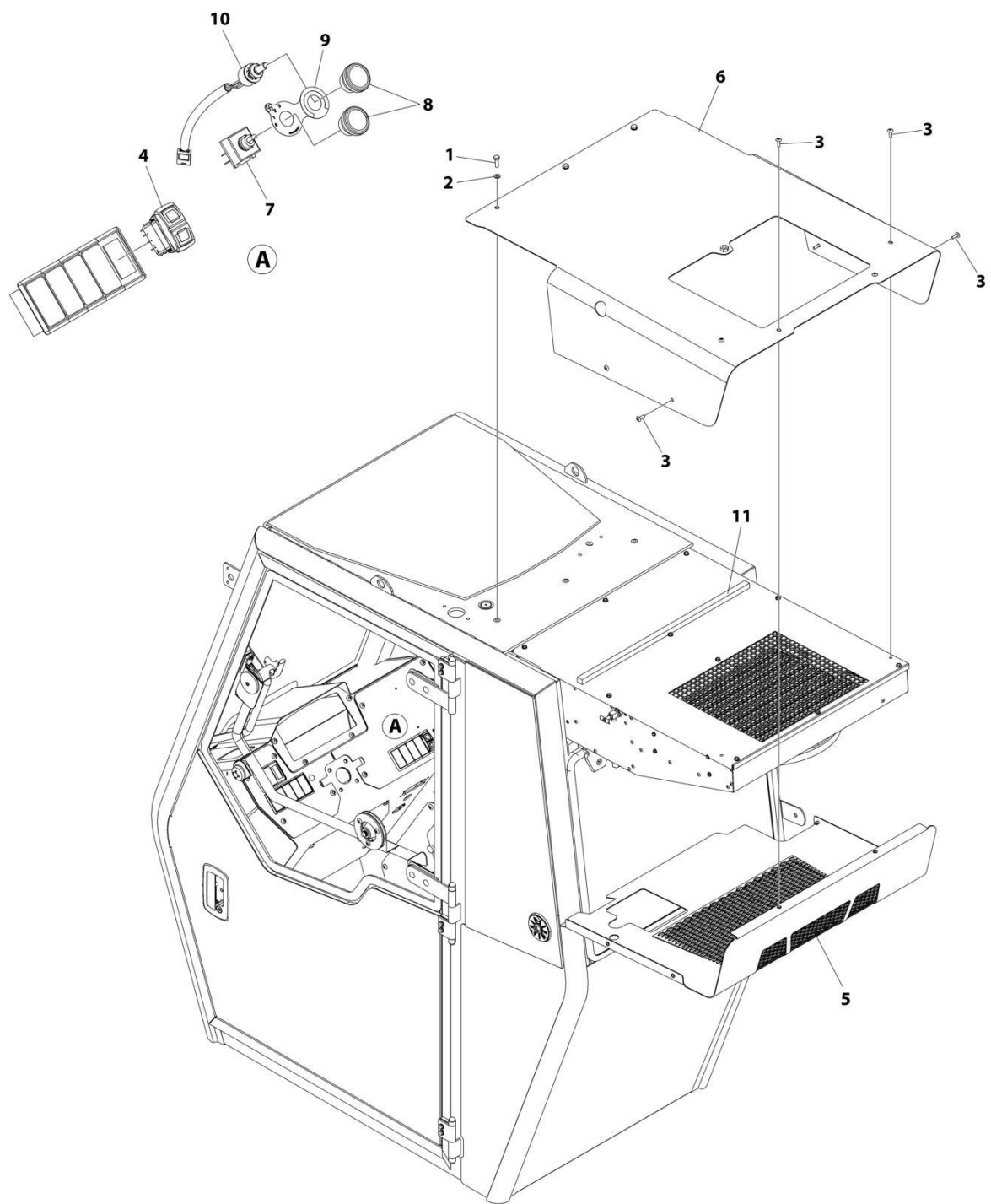
ART_1001274018_F

FIGURE 6-10. CAB HEATER LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274018	Ref	CAB HEATER LINES INSTALLATION	F
2	0700616	2	Bolt M6 x 40	
4	1062255	9	Tie-Strap	
5	3290605	2	Nut M6	
7	4811700	4	Washer M6	
8	4811702	2	Washer M6	
10	8405007	10	Clamp, Gear	
14	2145011	2	Fitting, Straight	
15	1001159844	1	Valve, Heater (See Separate Breakdown in this Section)	
16	1001273915	1	Hose	
17	1001273916	1	Hose	
18	1001273917	1	Hose	
19	1001273918	1	Hose	
20	1001137296	1	Fitting, 90 ORFS/Barbed	
21	1001281345	1	Fitting, Straight ORFS/Barbed	
22	1001298043	1	Coupling, Straight	

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FIGURE 6-11. CAB HVAC CONTROLS INSTALLATION



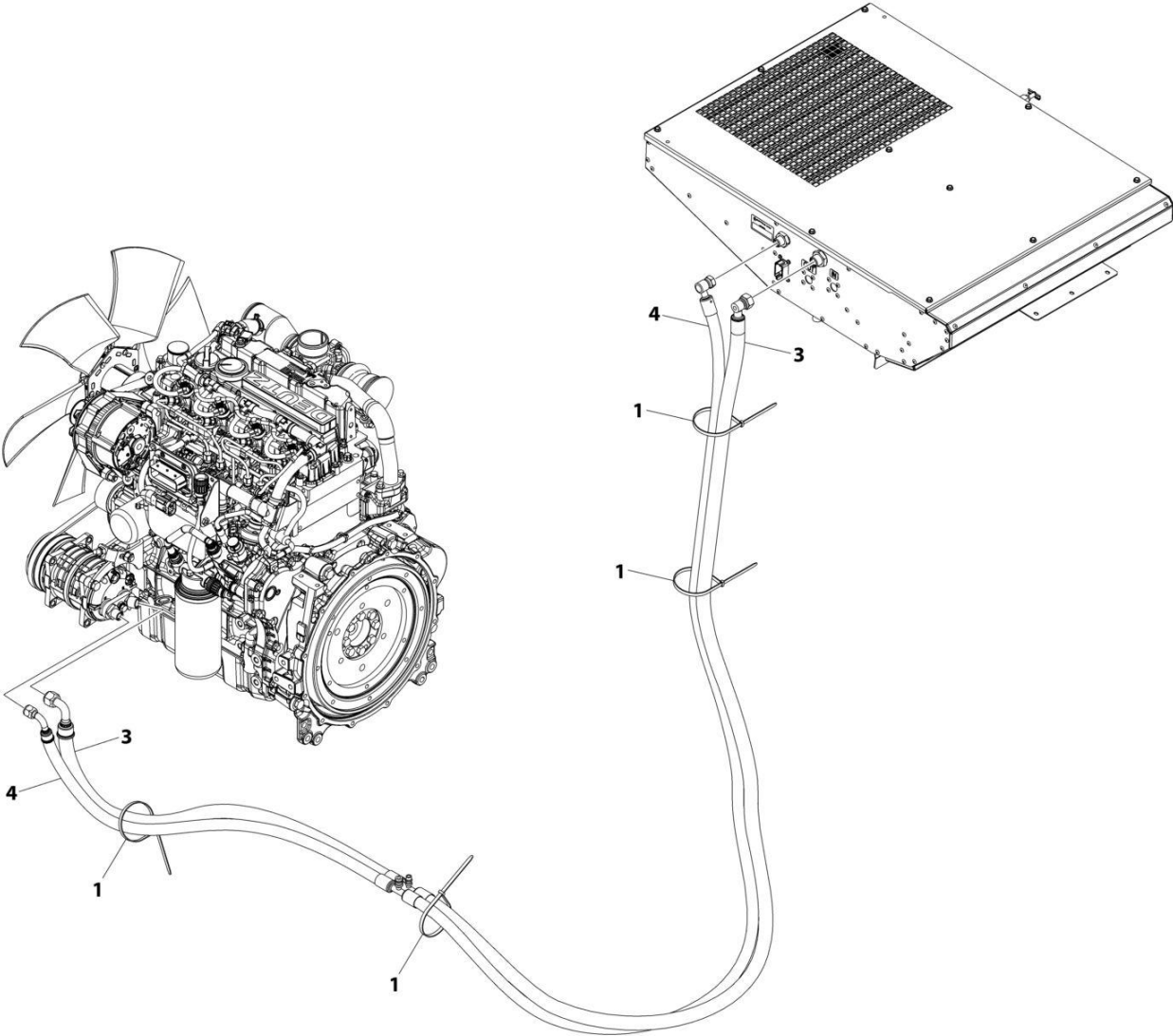
ART_1001267867

FIGURE 6-11. CAB HVAC CONTROLS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267867	Ref	CAB HVAC CONTROLS INSTALLATION	E
1	0760812	3	Bolt M8 x 25	
2	4811900	3	Washer M8	
3	1001272884	8	Bolt M6 x 20	
4	1001279160	1	Switch, AC Command	
5	1001274215	1	Hood, Bottom	
6	1001274251	1	Hood, Top	
7	1001172547	1	Switch, HVAC Rotary	
8	1001172550	2	Control Knob, HVAC	
9	1001184975	1	Decal, HVAC	
10	1001273883	1	Resistor	
11	1001298464	1	Seal, Foam Gasket	

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FIGURE 6-12. CAB HVAC LINES INSTALLATION



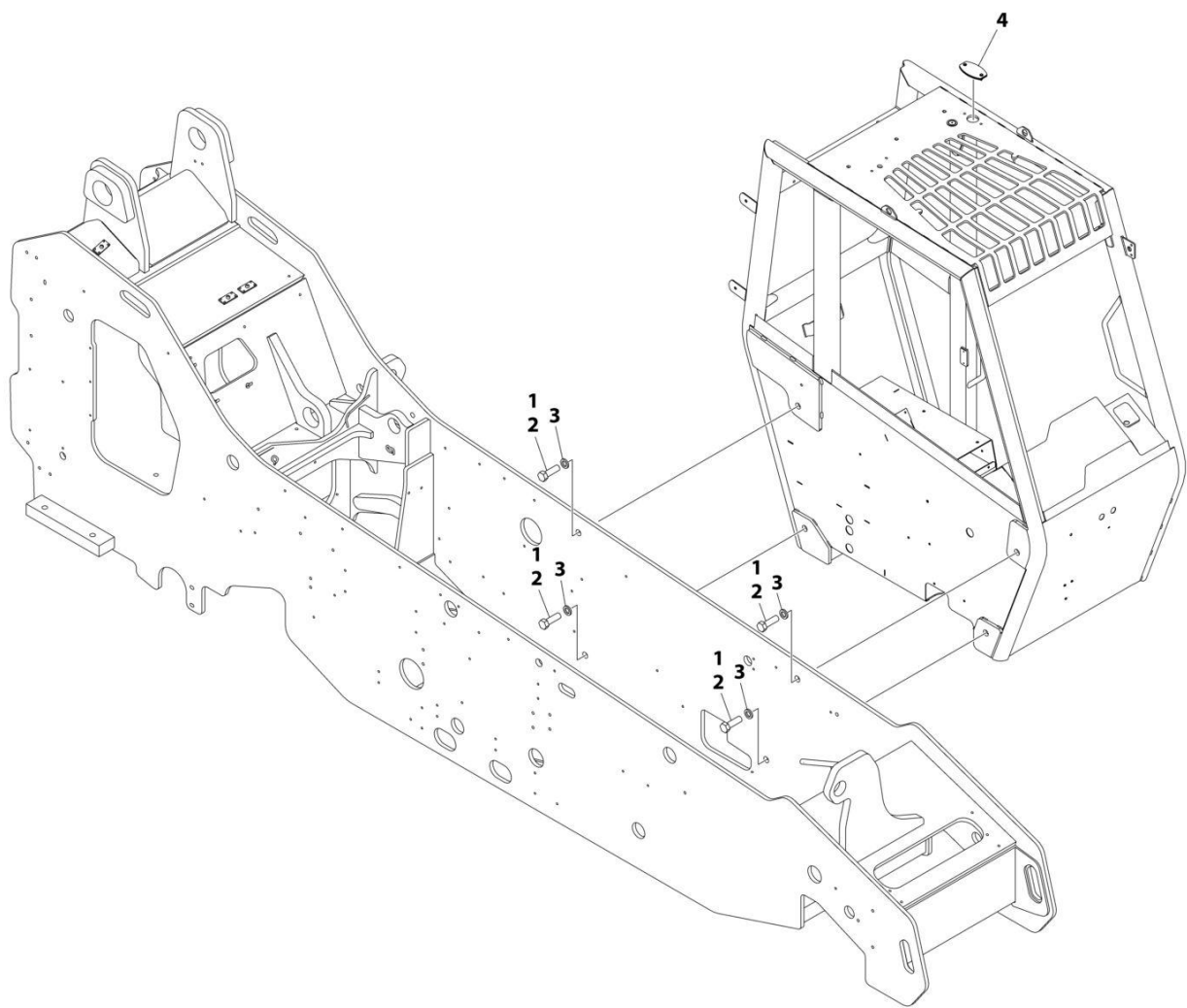
ART_1001274019_D

FIGURE 6-12. CAB HVAC LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274019	Ref	CAB HVAC LINES INSTALLATION	D
1	1062255	4	Tie-Strap	
3	1001273919	1	Hose	
4	1001273920	1	Hose	

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FIGURE 6-13. CAB MOUNTING INSTALLATION



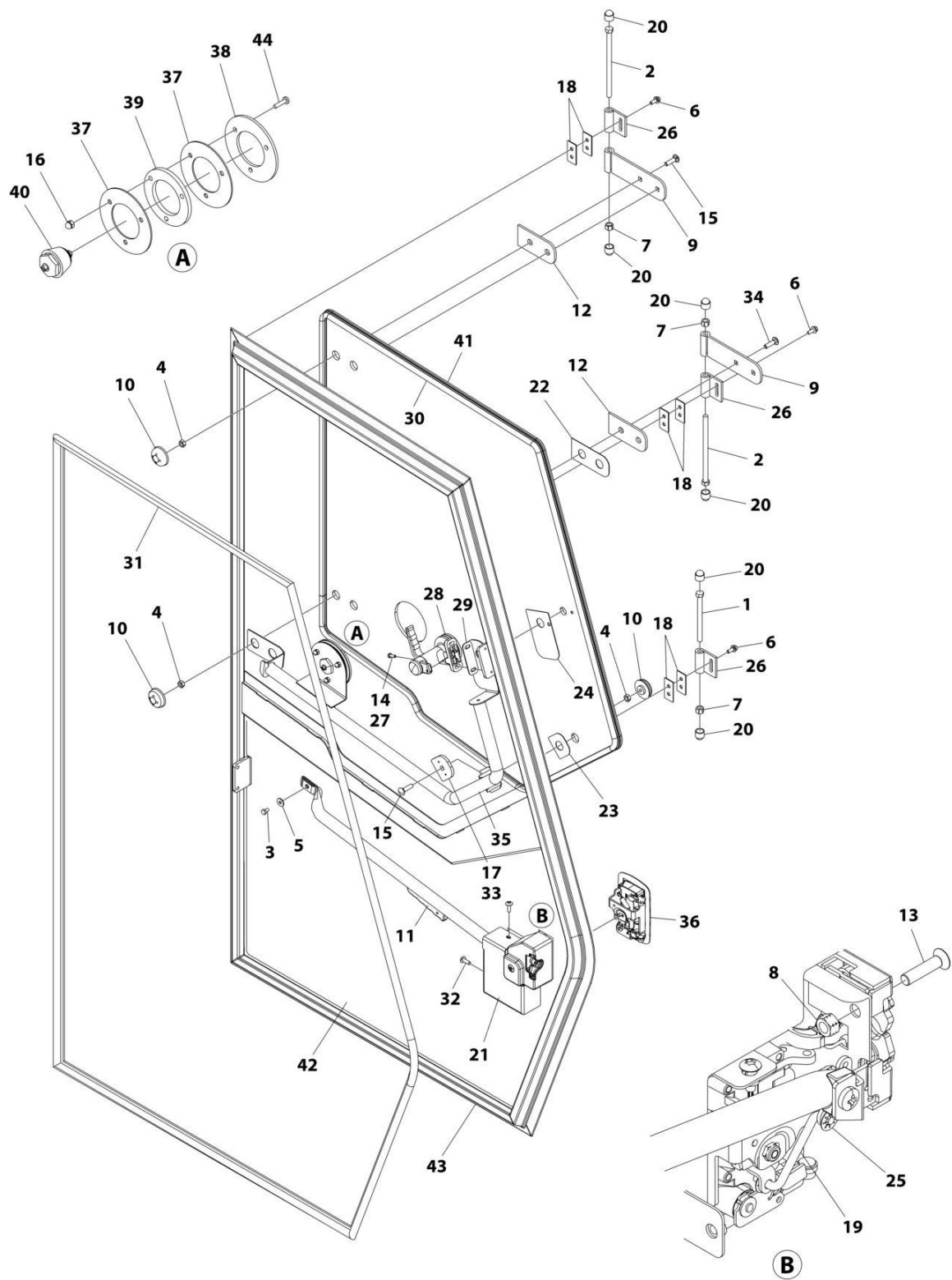
ART_1001267529

FIGURE 6-13. CAB MOUNTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267529	Ref	CAB MOUNTING INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0682422	4	Bolt 7/8 x 2-3/4	
3	4762400	4	Washer 7/8	

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FIGURE 6-14. DOOR ASSEMBLY



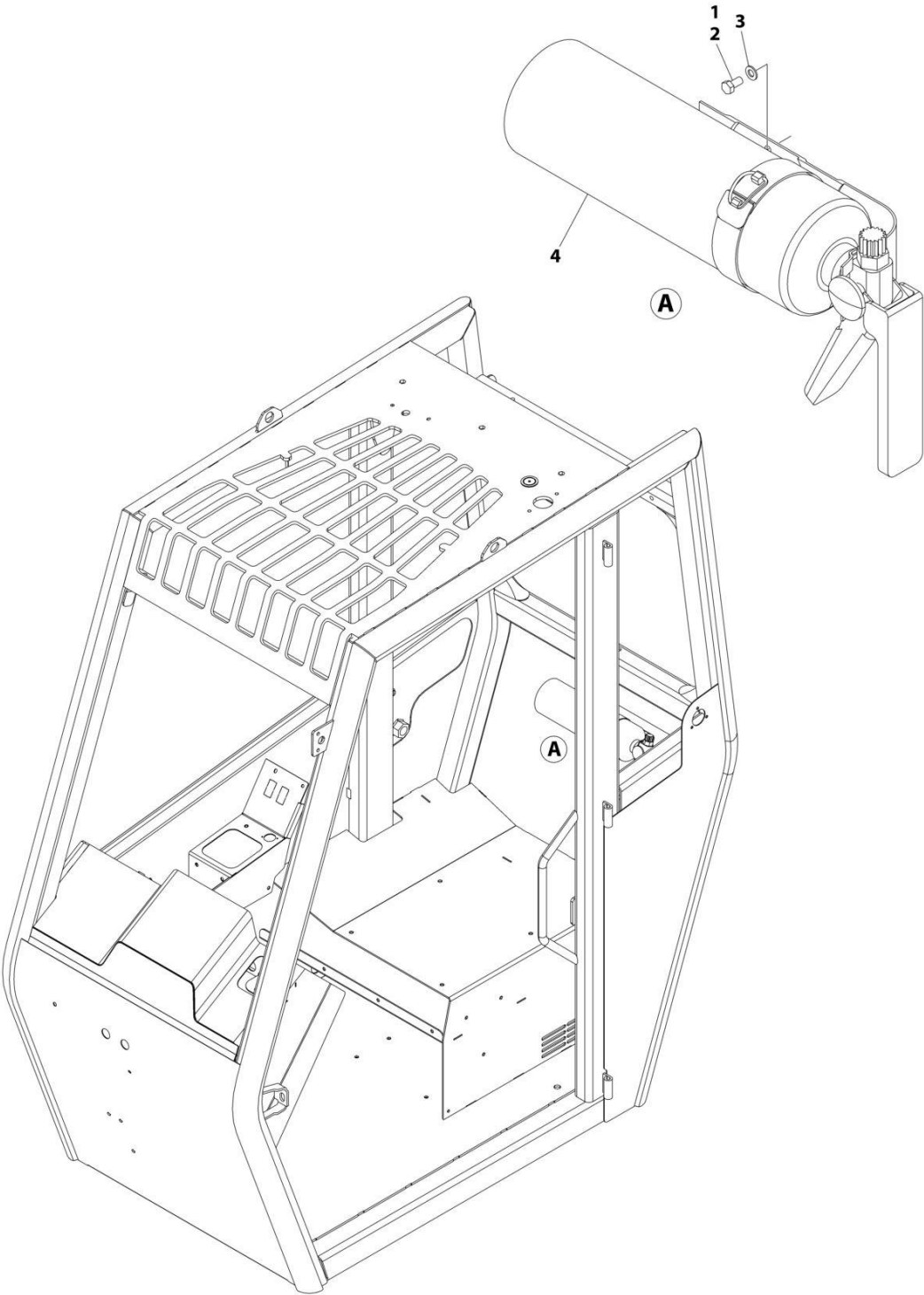
ART_1001300226_D

FIGURE 6-14. DOOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001300226	Ref	DOOR ASSEMBLY	D
1	0641636	1	Bolt 3/8 x 4-1/2	
2	0641652	2	Bolt 3/8 x 6-1/2	
3	0760605	1	Bolt M6 x 10	
4	3290801	5	Nut M8	
5	4811702	1	Washer M6	
6	5250608	6	Bolt M6 x 16	
7	8305603	3	Nut 3/8	
8	8305638	2	Nut M8	
9	1001081242	2	Hinge	
10	1001081246	5	Cap, Nut M6	
11	1001081247	1	Handle, Door (Interior)	
12	1001081266	2	Spacer, Hinge	
13	1001094312	2	Screw M8 x 30 Grade 8	
14	1001095650	AR	Compound, Locking	
15	1001108575	3	Screw M8 x 30	
16	1001108603	3	Nut M6	
17	1001177746	AR	Compound, Locking	
18	1001182135	6	Shim, Door Hinge	
19	1001182514	1	Linkage, Exterior Latch	
20	1001182663	6	Cap	
21	1001182865	1	Cover, Latch	
22	1001182882	1	Shim, Hinge	
23	1001182883	1	Shim, Handle	
24	1001182884	1	Shim, Handle Latch	
25	1001183104	2	Fastener	
26	1001183209	3	Hinge	
27	1001197099	2	Screw #10 x 5/8	
28	1001220260	1	Handle, Window Vent Latch	
29	1001265272	AR	Shim, Window Latch	
30	1001299745	1	Seal, Glass Hinged	
31	1001269084	1	Seal, Door	
32	1001272884	2	Bolt M6 x 20	
33	1001277373	1	Plate, Window	
34	1001277374	2	Screw M8 x 35	
35	1001282086	1	Handle, Door Glass	
36	1001283664	1	Handle, Door (Exterior)	
37	1001288301	2	Seal, Cab Striker	
38	1001288302	1	Plate, Cab Striker	
39	1001288303	1	Seal, Window Spacer	
40	1001288355	1	Bolt, Striker	
41	1001299692	1	Window, Door Hinged	
42	1001299744	1	Panel, Door Cab	
43	1001299747	1	Door	
44	4010612002	3	Screw M6 x 25	

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FIGURE 6-15. FIRE EXTINGUISHER INSTALLATION

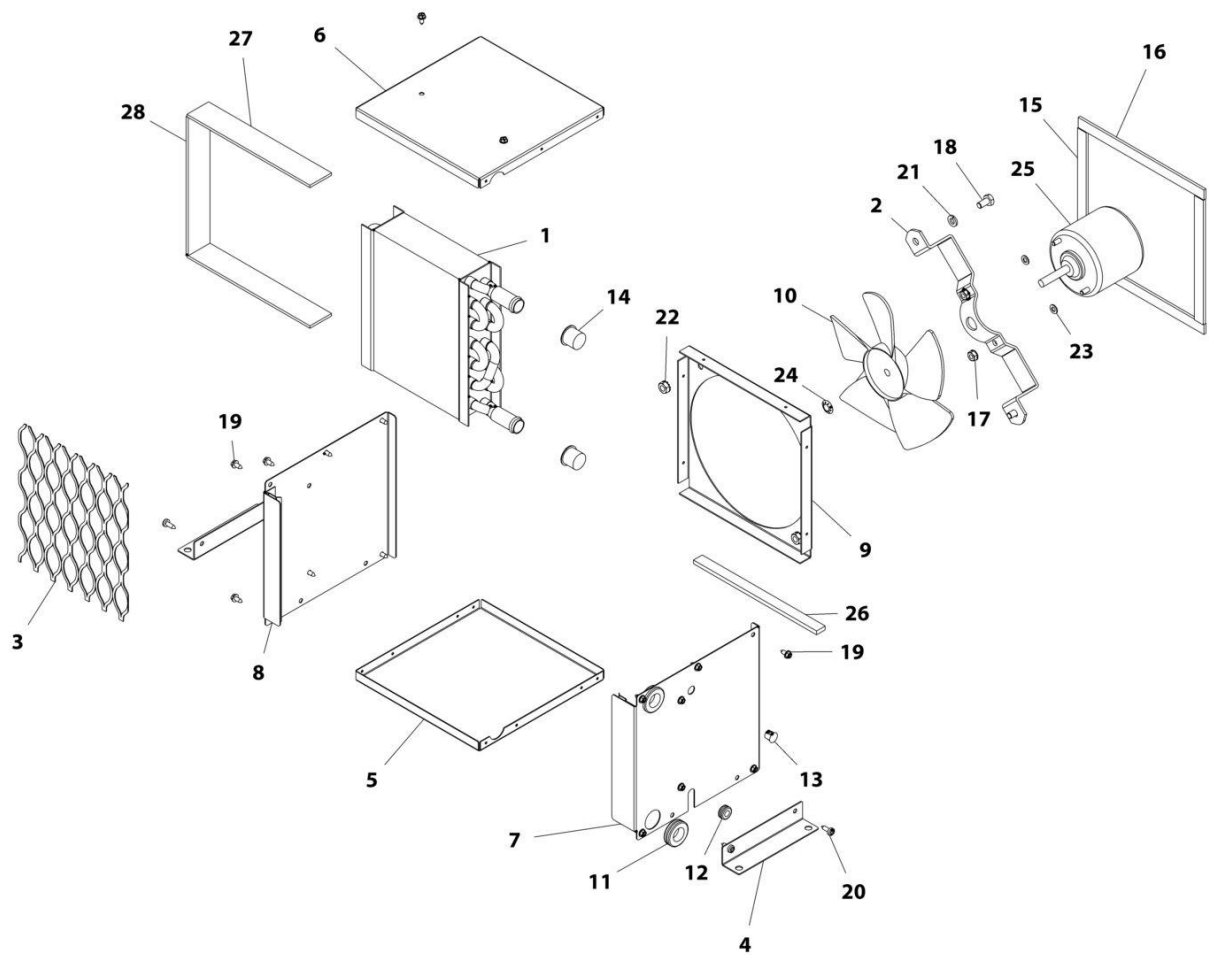


ART_1001269261

FIGURE 6-15. FIRE EXTINGUISHER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001269261	Ref	FIRE EXTINGUISHER INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0760505	3	Bolt M5 x 10	
3	4811600	3	Washer M5	
4	1001099699	1	Extinguisher, Fire with Bracket	
4	1001100082	1	Bracket	

FIGURE 6-16. FLOOR HEATER



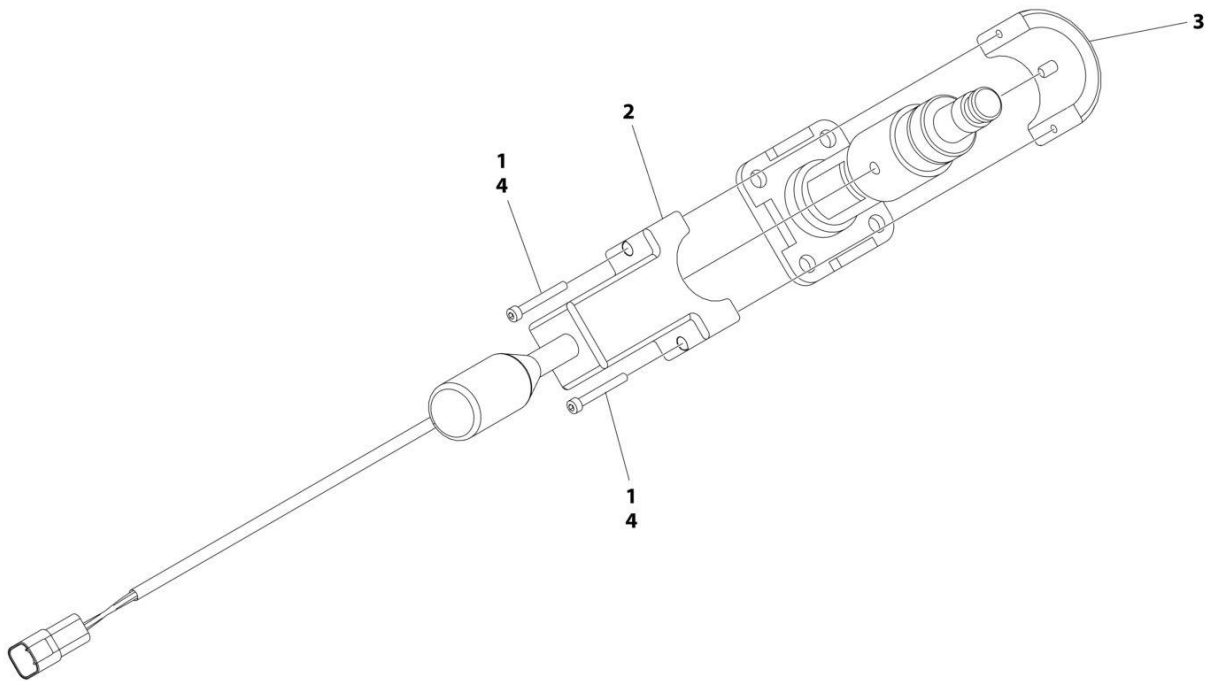
ART_1001159856-D

FIGURE 6-16. FLOOR HEATER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159856	Ref	Floor Heater	D
1	70026100	1	Coil, Heater	
2	70026101	1	Bracket, Motor	
3	70026102	1	Protector, Coil	
4	70026103	2	Bracket, Mounting	
5	70026104	1	Casing, Bottom	
6	70026105	1	Casing, Top	
7	70026106	1	Casing, RH Side	
8	70026107	1	Casing, LH Side	
9	70026108	1	Mount, Fan	
10	70026109	1	Fan	
11	70026110	2	Grommet	
12	70026111	1	Grommet, 3/8	
13	70026112	1	Plug, Hole 3/8	
14	70026113	2	Plug, 3/8	
15	70026114	2	Foam, 1/4X158	
16	70026114	2	Foam, 1/4X184	
17	70026115	2	Nut, 10-32	
18	70026116	2	Screw, 1/4-20X1/2	
19	70026117	16	Screw, 8X3/8	
20	70024855	4	Screw, Tap 8X1/2	
21	70026118	2	Lockwasher, 1/4	
22	70026119	2	Nut, Kep 1/4-20	
23	70026120	2	Washer, M5	
24	70026121	1	Retainer	
25	70026122	1	Motor Assembly, 12V	
26	70026123	1	Foam, 3/16X180	
27	70026124	2	Foam, 1/4X180	
28	70026124	1	Foam, 1/4X175	

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FIGURE 6-17. FORWARD/NEUTRAL/REVERSE CONTROL INSTALLATION



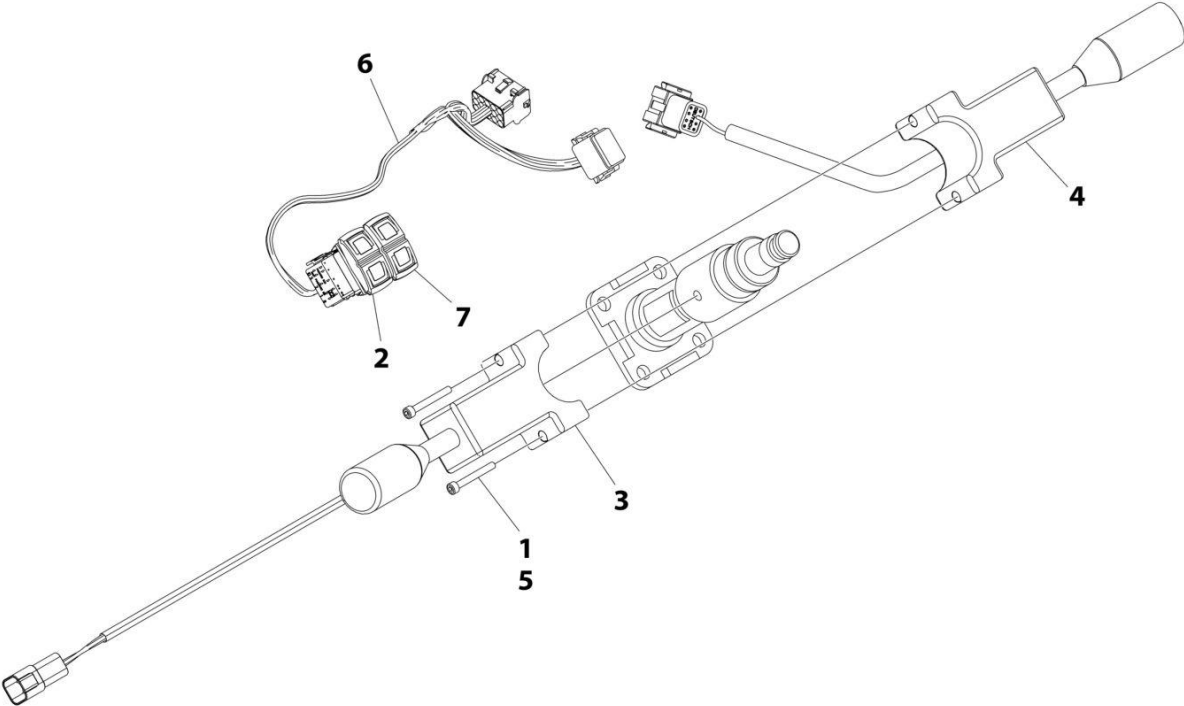
ART_1001267546

FIGURE 6-17. FORWARD/NEUTRAL/REVERSE CONTROL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267546	Ref	FORWARD/NEUTRAL/REVERSE CONTROL INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	1001080380	1	Switch, Control (Forward/Neutral/Reverse) (Sold as Assembly Only)	
3	1001308739	1	Clamp	
4	1001108079	2	Screw M5 x 40	

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FIGURE 6-18. FORWARD/NEUTRAL/REVERSE AND WIPER/LIGHTS CONTROL



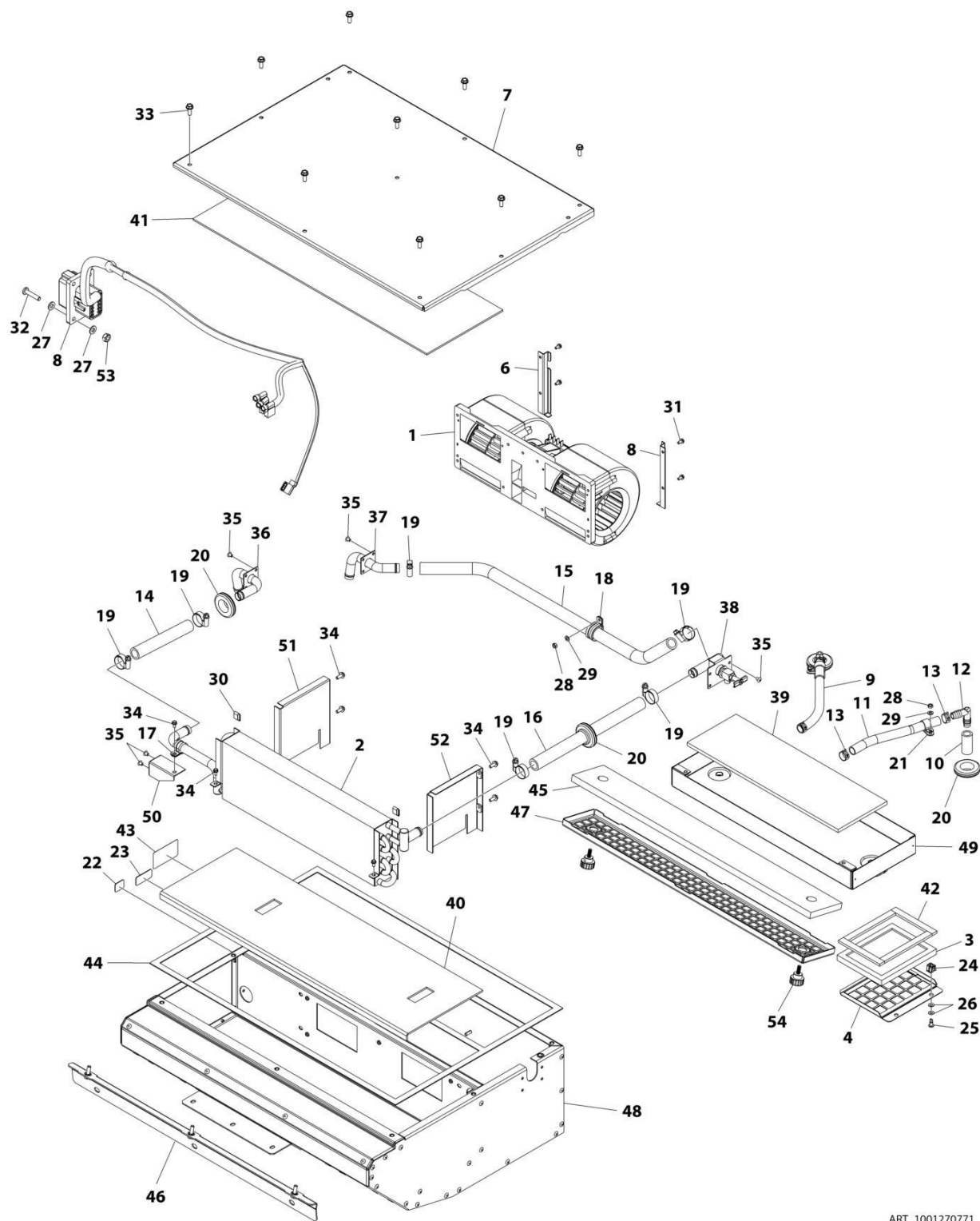
ART_1001267547

FIGURE 6-18. FORWARD/NEUTRAL/REVERSE AND WIPER/LIGHTS CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267547	Ref	FORWARD/NEUTRAL/REVERSE AND WIPER/LIGHTS CONTROL INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	1001279162	1	Switch, Hazards	
3	1001080380	1	Switch, Control (Forward/Neutral/Reverse) (Sold as Assembly Only)	
4	1001080381	1	Switch, Control (Wiper/Headlights/Turn Signal) (Sold as Assembly Only)	
5	1001108079	2	Screw M5 x 40	
6	1001277224	1	Headlight Harness (See Separate Breakdown in ELECTRICAL Section)	
7	1001279157	1	Switch, Worklight	

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FIGURE 6-19. HEATER ASSEMBLY



ART_1001270771

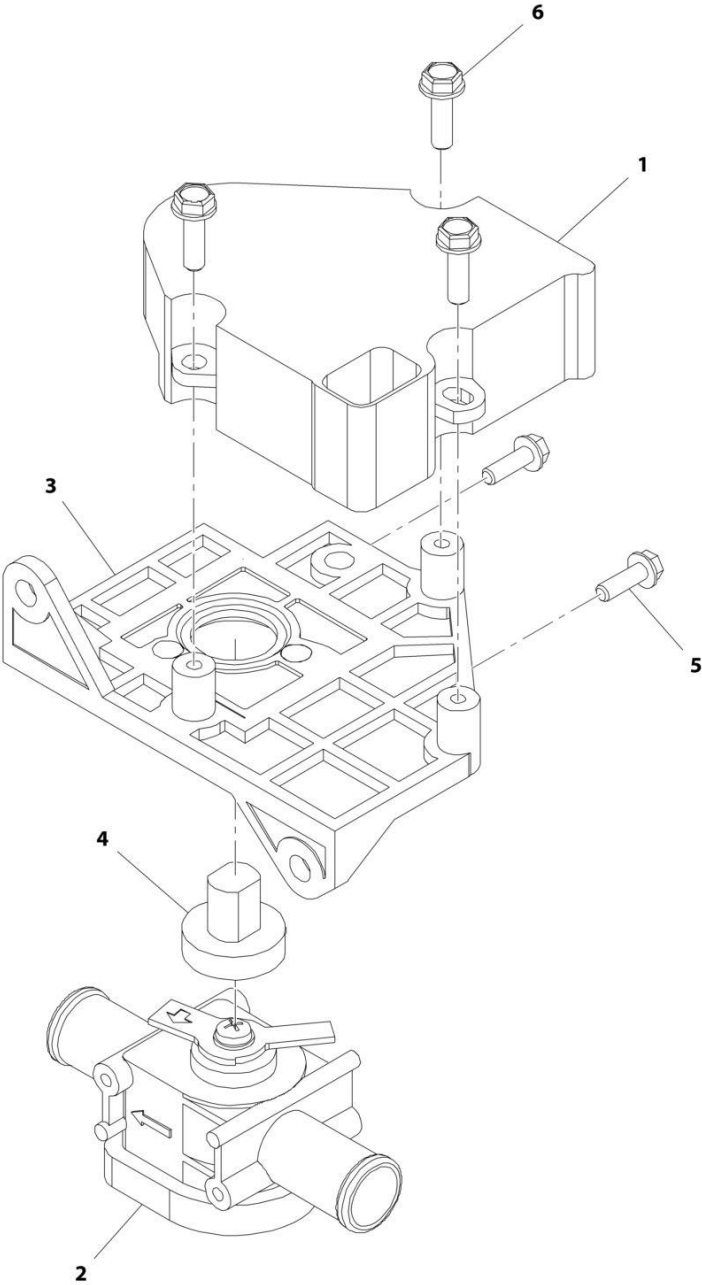
FIGURE 6-19. HEATER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270771	Ref	HEATER ASSEMBLY	B
1	70026978	1	Blower Assembly, 12V	
2	70026981	1	Coil, Heater	
3	70026983	1	Air Filter	
4	70029823	1	Cover	
5	70029827	1	Bracket	
6	70029828	1	Bracket	
7	70029830	1	Cover	
8	70029831	1	Wireing Harness	
9	7029412	1	Hose	
10	7029412	1	Hose	
11	7029412	2	Hose	
12	7029413	2	Drain, Elbow	
13	7029415	6	Clamp	
14	70031398	1	Hose	
15	70031398	1	Hose	
16	70031398	1	Hose	
17	70026987	1	Clamp	
18	70026988	1	Clamp	
19	70026990	6	Clamp	
20	70031405	4	Grommet	
21	NSS	NSS	Clamp (Note: Not Available for Purchase)	
22	70029832	1	Overlay (In)	
23	70029833	1	Overlay (Out)	
24	70029834	2	Receptacle	
25	70029835	2	Stud, Slotted	
26	70029836	4	Retainer	
27	70031434	8	Washer M4	
28	70031407	3	Nut M5	
29	70026120	2	Washer M5	
30	70029837	2	Clip, Panel-Coil	
31	70031408	5	Tap M4 x 8	
32	70031435	4	Screw M4 x 12	
33	70031412	9	Screw M6 x 16	
34	70031419	7	Screw M5 x 12	
35	NSS	NSS	Rivet (Note: Not Available for Purchase)	
36	70029838	1	Tube	
37	70029839	1	Tube	
38	70026991	1	Valve, Bleeder	
39	70029840	1	Foam	
40	70029841	1	Pad, Foam	
41	70029842	1	Pad, Foam	
42	70026123	1	Insulator	
43	NSS	NSS	Label (Note: Not Available for Purchase)	
44	70029843	1	Pad, Foam	
45	70031425	1	Air Filter	
46	70031426	1	Bracket	
47	70031427	1	Cover	
48	NSS	NSS	Casing Assembly (Note: Not Available for Purchase)	
49	70031436	1	Pan, Drain	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	70031431	1	Bracket	
51	70031437	1	Bracket	
52	70031438	1	Bracket	
53	70031439	4	Nut, Lock M4	
54	70031432	2	Knob M6	

FIGURE 6-20. HEATER VALVE



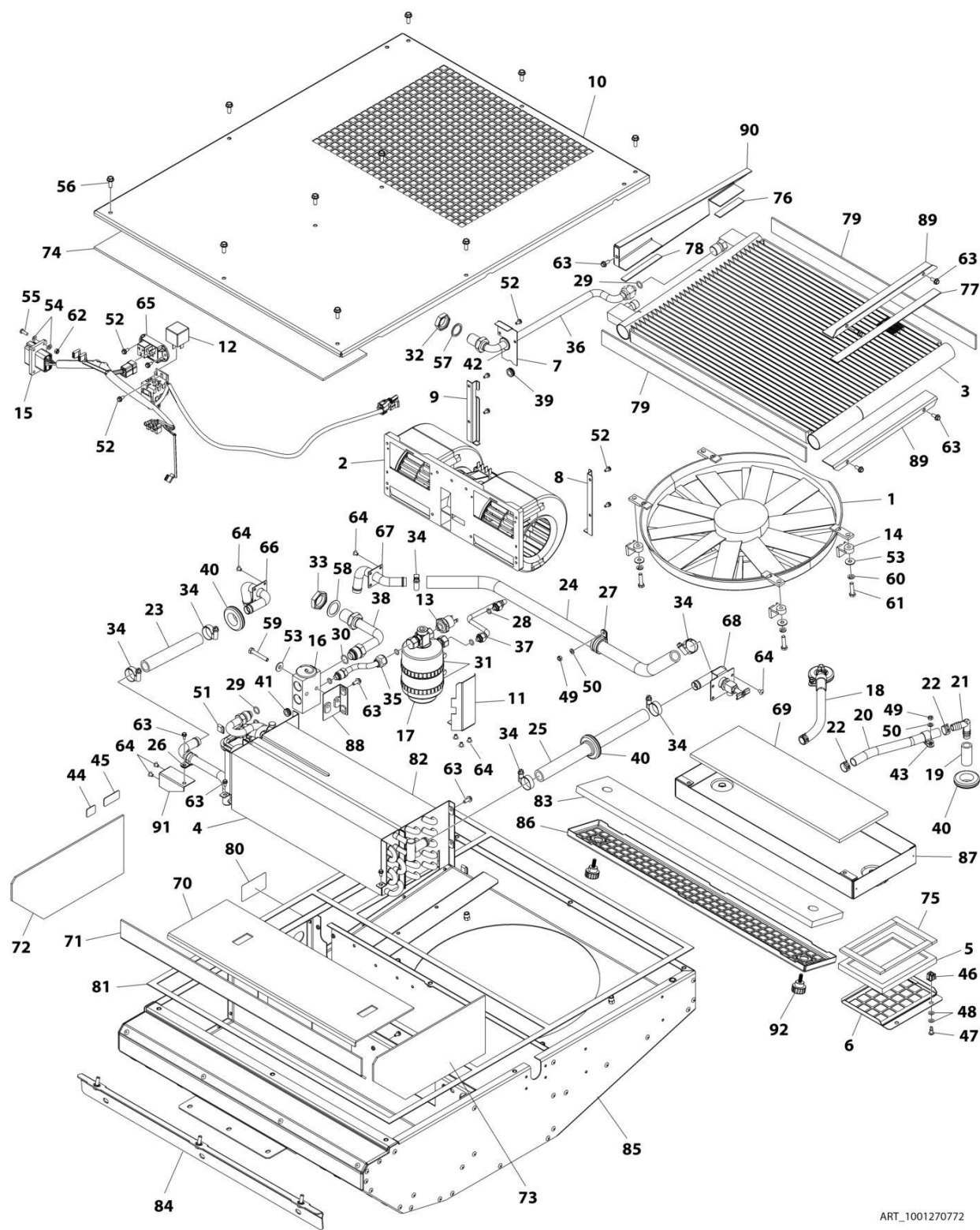
ART_1001159844-C

FIGURE 6-20. HEATER VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159844	Ref	Heater Valve	C
1	70026088	1	Motor Actuator, 12V	
2	70026089	1	Assembly, Heater Valve	
3	70026090	1	Assembly, Valve Bracket	
4	70026091	1	Adapter, Shaft	
5	70026092	2	Screw, 8-18X1/2	
6	70026093	3	Screw, 10-16X5/8	

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FIGURE 6-21. HVAC ASSEMBLY



ART_1001270772

FIGURE 6-21. HVAC ASSEMBLY

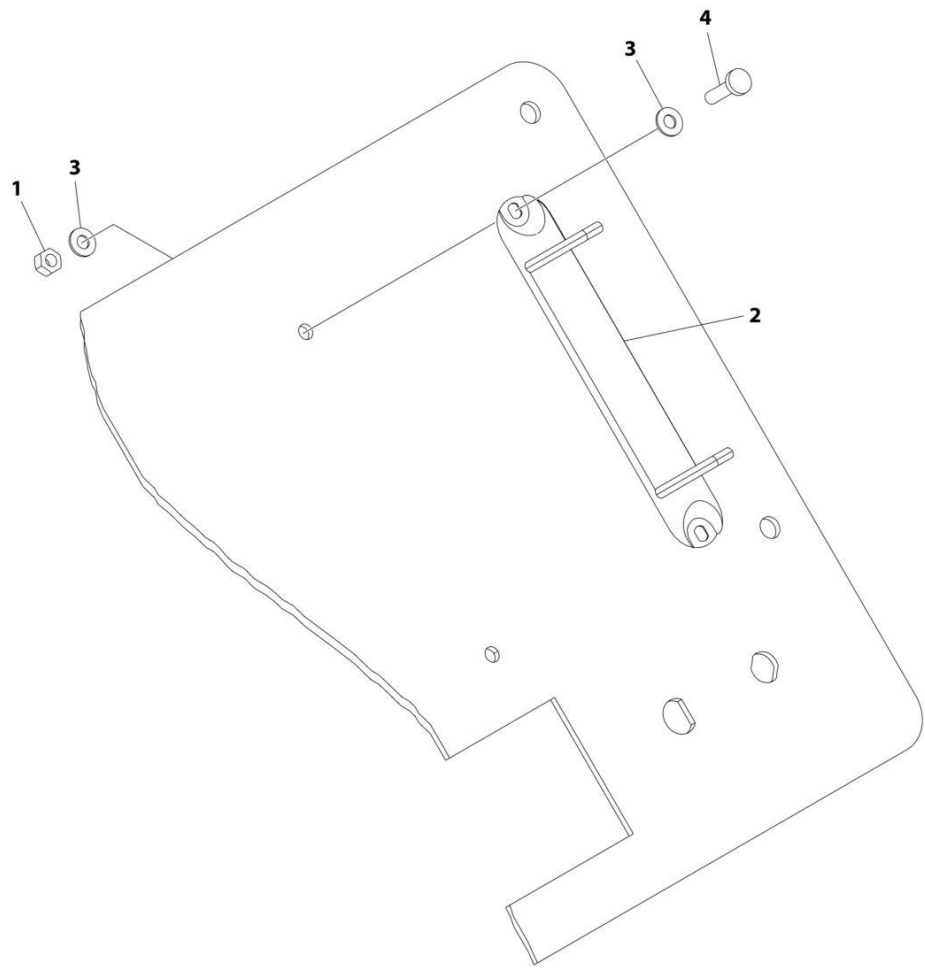
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270772	Ref	HVAC ASSEMBLY	B
1	70026945	1	Fan Assembly, 12V	
2	70026978	1	Blower, 12v	
3	70026980	1	Condenser	
4	70026981	1	Coil, Heater	
5	70026983	1	Air Filter	
6	70029823	1	Cover, Air Filter	
7	70031394	1	Bracket	
8	70029827	1	Bracket	
9	70029828	1	Bracket	
10	70031395	1	Cover	
11	70031396	1	Bracket	
12	70026986	1	Relay	
13	70026854	1	Switch, Pressure	
14	70029981	4	Mount, Fan	
15	70031397	1	Wiring Harness	
16	70020876	1	Valve, Block	
17	70026984	1	Receiver	
18	7029412	1	Hose	
19	7029412	2	Hose	
20	7029412	1	Hose	
21	7029413	2	Fitting	
22	7029415	6	Clamp, Hose	
23	70031398	1	Hose, Heater	
24	70031398	1	Hose, Heater	
25	70031398	1	Hose	
26	70026987	1	Clamp, Hose	
27	70026988	1	Clamp, Hose	
28	70031399	4	O-Ring	
29	70031400	3	O-Ring	
30	70031401	1	O-Ring	
31	70026989	2	Clamp, Gear	
32	70031402	1	Nut, Lock #8	
33	70031403	1	Nut, Lock #10	
34	70026990	6	Clamp, Hose	
35	70028782	1	Tube	
36	70028781	1	Tube	
37	70028780	1	Tube	
38	70028779	1	Tube	
39	70031404	1	Gromment	
40	70031405	4	Gromment	
41	70026111	1	Gromment	
42	70031406	1	Gromment	
43	NSS	NSS	Clamp, Cable (Not Available for Purchase)	
44	70029832	1	Overlay (In)	
45	70029833	1	Overlay (Out)	
46	70029834	2	Receptacle	
47	70029835	2	Stud, Slotted	
48	70029836	4	Retainer	
49	70031407	3	Nut M5	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	70026120	3	Washer M5	
51	70029837	2	Clip	
52	70031408	10	Tap M4 x 8	
53	70031409	6	Washer M6	
54	70031410	8	Washer M4	
55	70031411	4	Screw M4 x 12	
56	70031412	10	Screw M6 x 16	
57	70031413	1	Washer	
58	70031414	1	Washer	
59	70031415	2	Bolt M6 x 40	
60	70031416	4	Washer, Lock M6	
61	70031417	4	Bolt M6 x 25	
62	70031418	16	Nut, Lock M4	
63	70031419	17	Screw M5 x 12	
64	NSS	NSS	Rivet (Not Available for Purchase)	
65	70026985	1	Thermostat, De-Icing	
66	70029838	1	Tube	
67	70029839	1	Tube	
68	70026991	1	Valve, Bleeder	
69	70029840	1	Foam	
70	70029841	1	Panel	
71	70031420	1	Panel	
72	70031421	1	Panel	
73	70031422	1	Panel	
74	70029842	1	Panel	
75	70026123	1	Insulator	
76	70031423	1	Pad, Foam	
77	70031423	1	Pad, Foam	
78	70031423	2	Pad, Foam	
79	70026124	1	Pad, Foam	
80	NSS	NSS	Label (Not Available for Purchase)	
81	70029843	1	Pad, Foam	
82	70031424	1	Coil, Evaporator	
83	70031425	1	Filter, Air	
84	70031426	1	Bracket	
85	NSS	NSS	Casing (Not Available for Purchase)	
86	70031427	1	Cover, Air Filter	
87	NSS	NSS	Pan, Drain (Not Available for Purchase)	
88	70031428	2	Bracket	
89	70031429	1	Rail	
90	70031430	1	Bracket	
91	70031431	2	Bracket	
92	70031432	2	Knob M6	

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FIGURE 6-22. LOADCHART HOLDER INSTALLATION



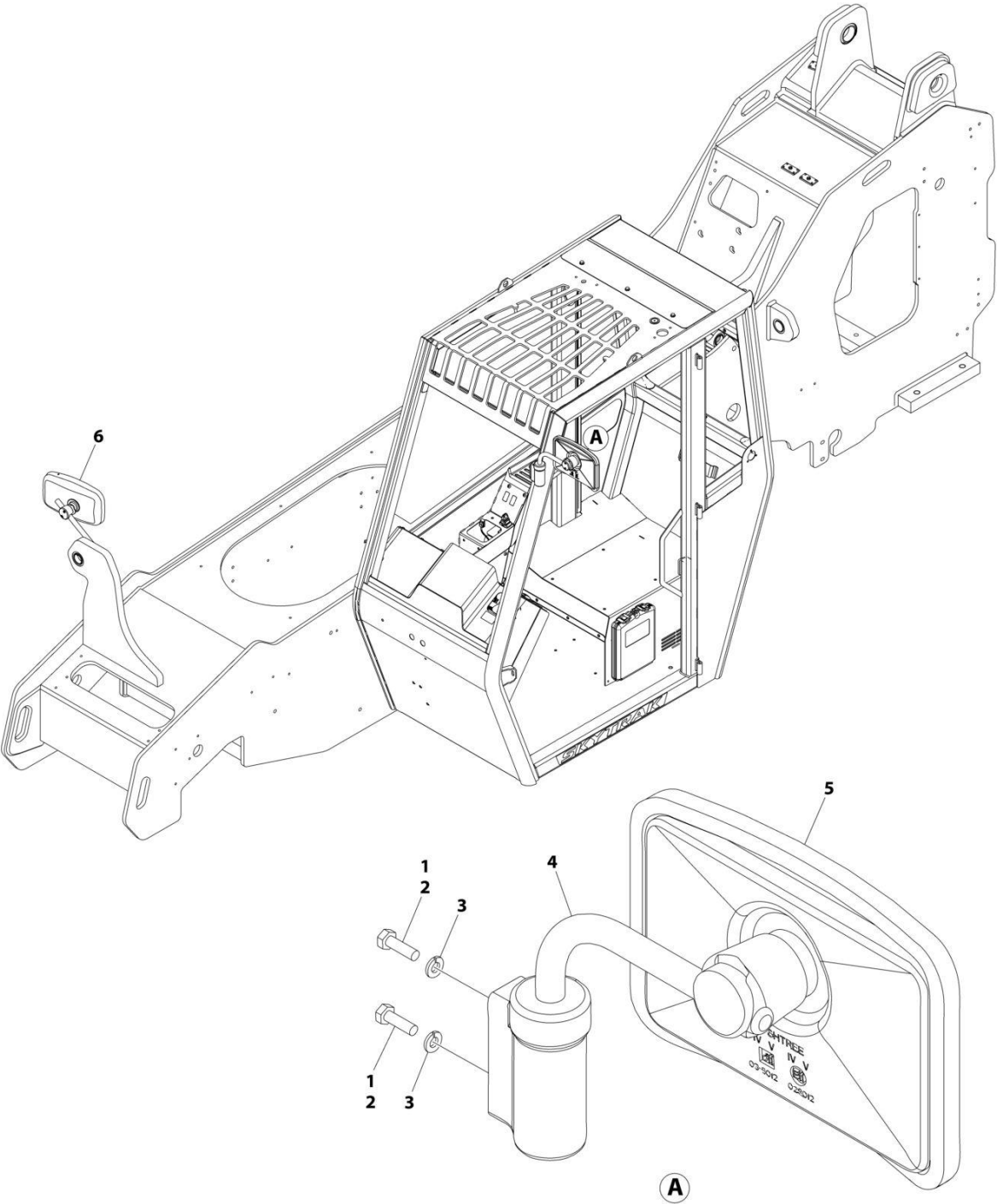
ART_1001273765

FIGURE 6-22. LOADCHART HOLDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001273765	Ref	LOADCHART HOLDER INSTALLATION	B
1	3290405	2	Nut M4	
2	1001005960	1	Holder	
3	4811400	4	Washer M4	
4	1001126837	2	Screw M4 x 16	

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FIGURE 6-23. MIRRORS INSTALLATION

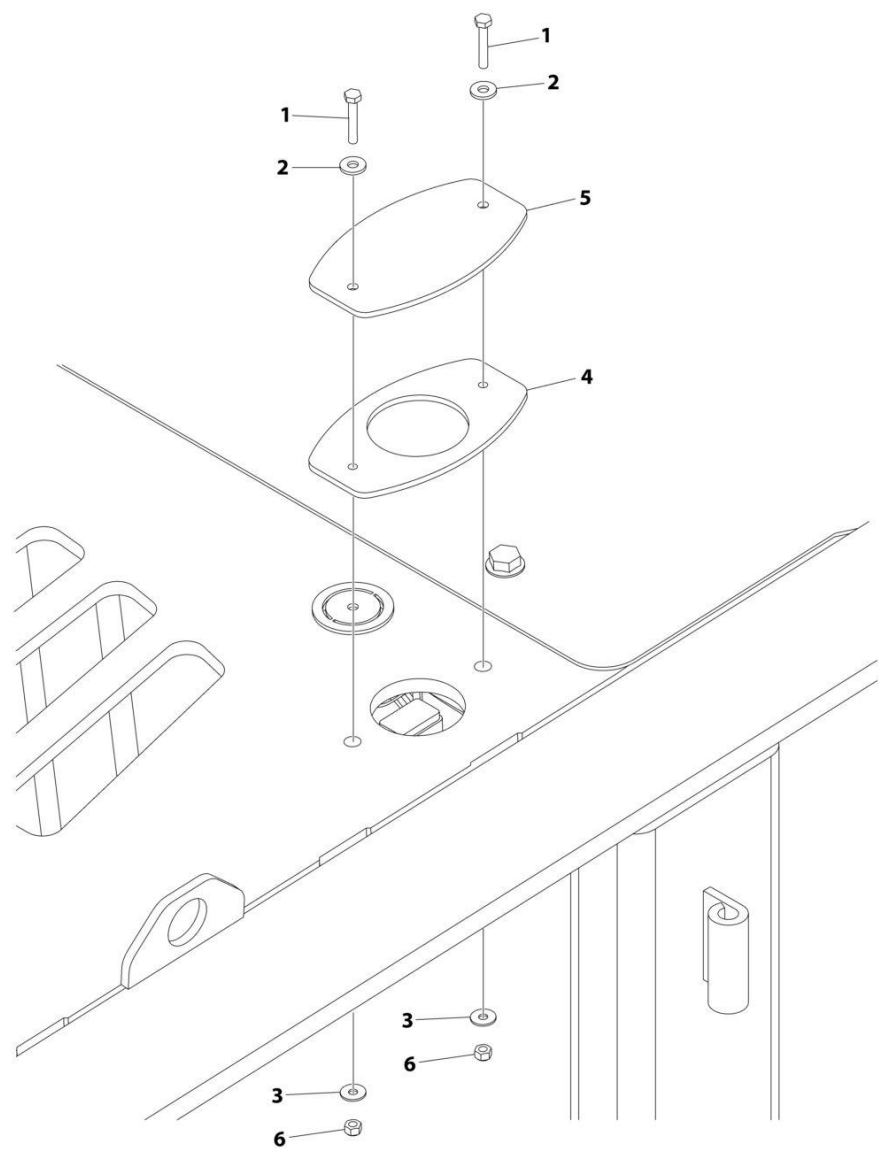


ART_1001268974

FIGURE 6-23. MIRRORS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268974	Ref	MIRRORS INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0700610	2	Bolt M6 x 20	
3	8307024	2	Washer M6	
4	1001114675	1	Arm, Mirror	
5	1001148177	1	Mirror, Cab	
6	1001191635	1	Mirror, Frame	

FIGURE 6-24. ROOF CLOSURE INSTALLATION



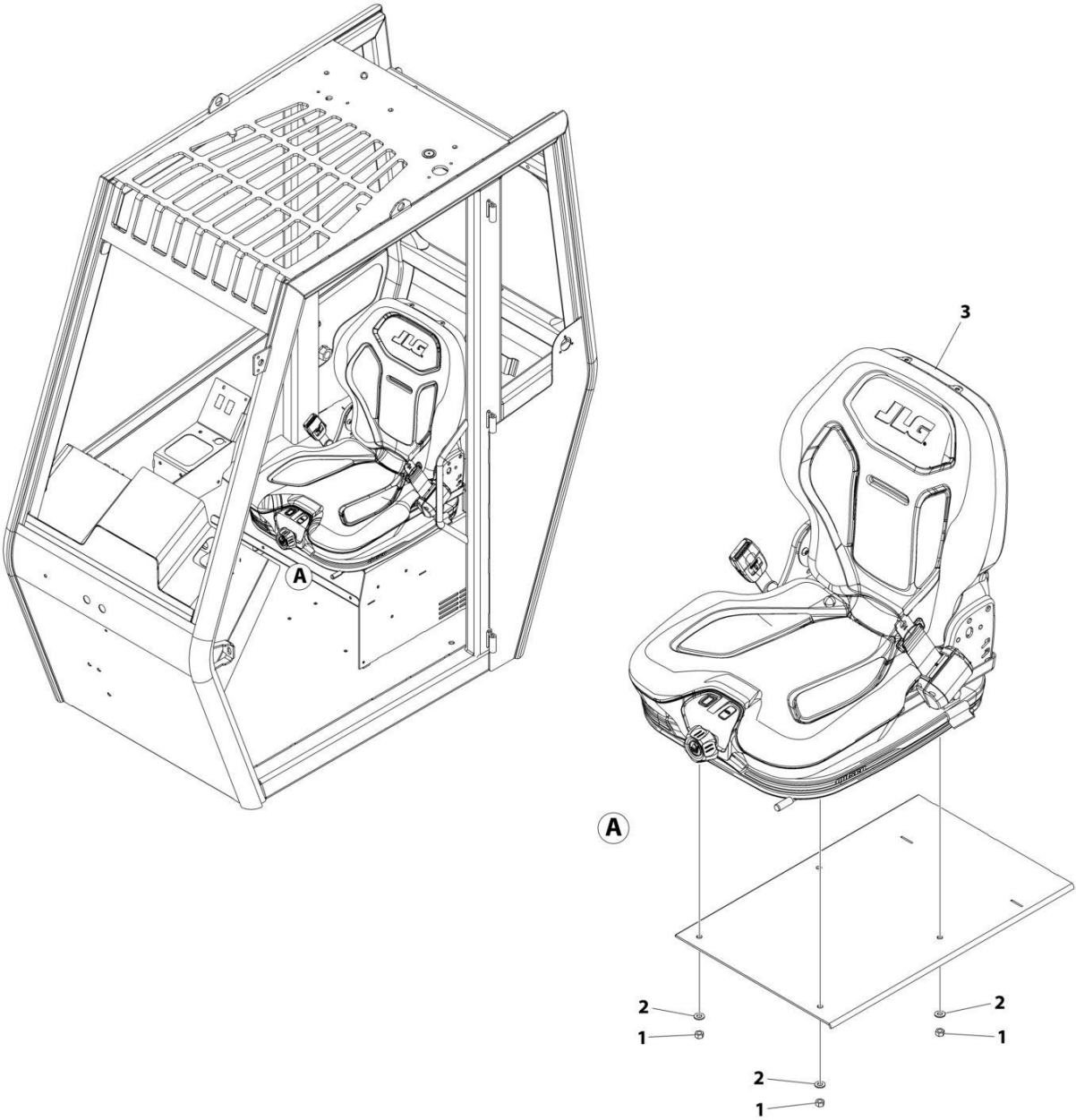
ART_1001291330

FIGURE 6-24. ROOF CLOSURE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001291330	Ref	COVER INSTALLATION (ROOF - NO CLEARSKY)	B
1	0700412	2	Bolt M4 x 25	
2	4740120	2	Washer 31/64	
3	1001091102	2	Washer M4	
4	1001291056	1	Gasket	
5	1001291331	1	Plate	
6	3290405	2	Nut M4	

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FIGURE 6-25. SEAT INSTALLATION - STANDARD



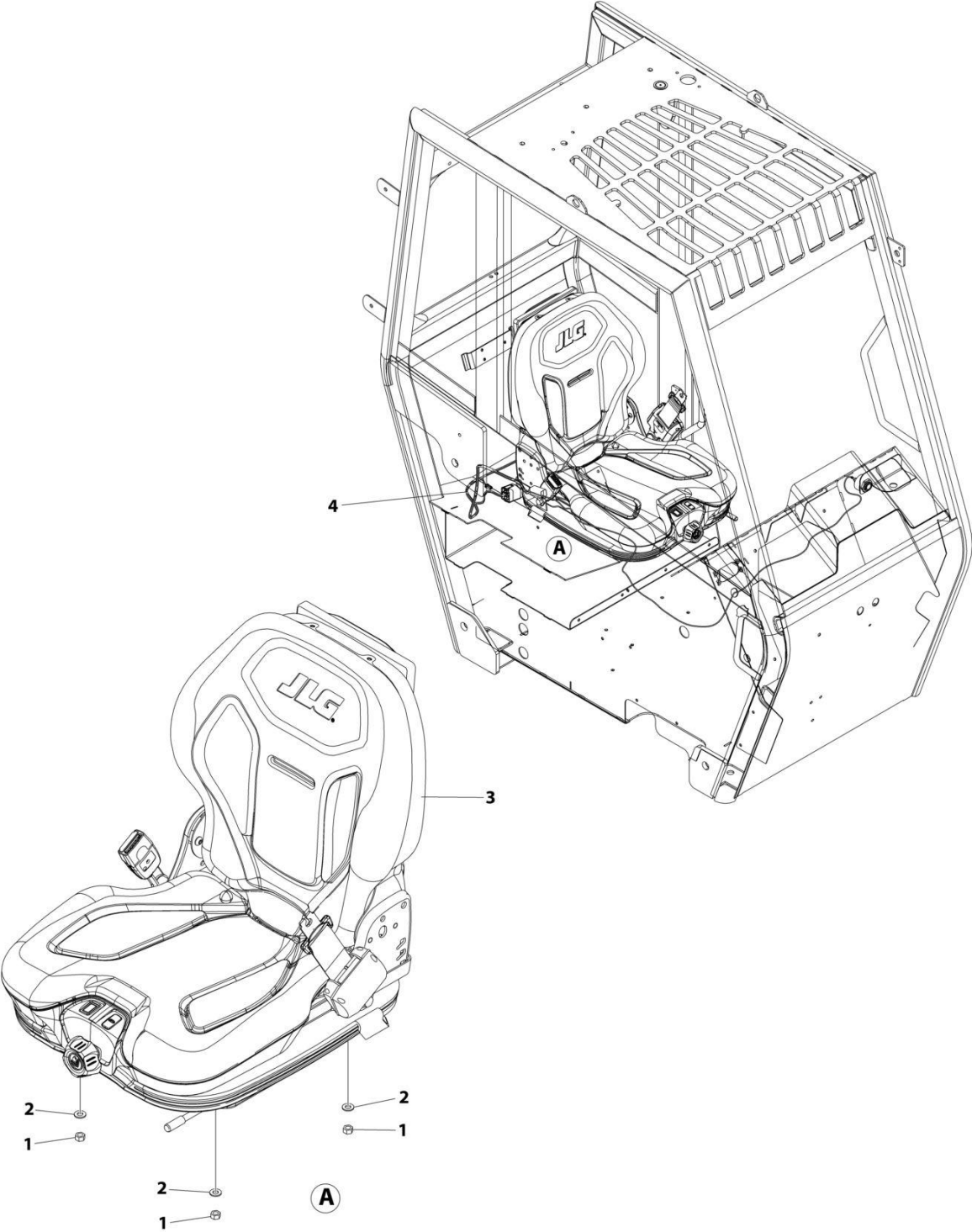
ART_1001267533

FIGURE 6-25. SEAT INSTALLATION - STANDARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267533	Ref	SEAT INSTALLATION - STANDARD	C
1	3271505	4	Nut 5/16	
2	4711500	4	Washer 5/16	
3	1001275934	1	Seat Assembly (See Separate Breakdown in this Section)	

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FIGURE 6-26. SEAT INSTALLATION - SEAOP



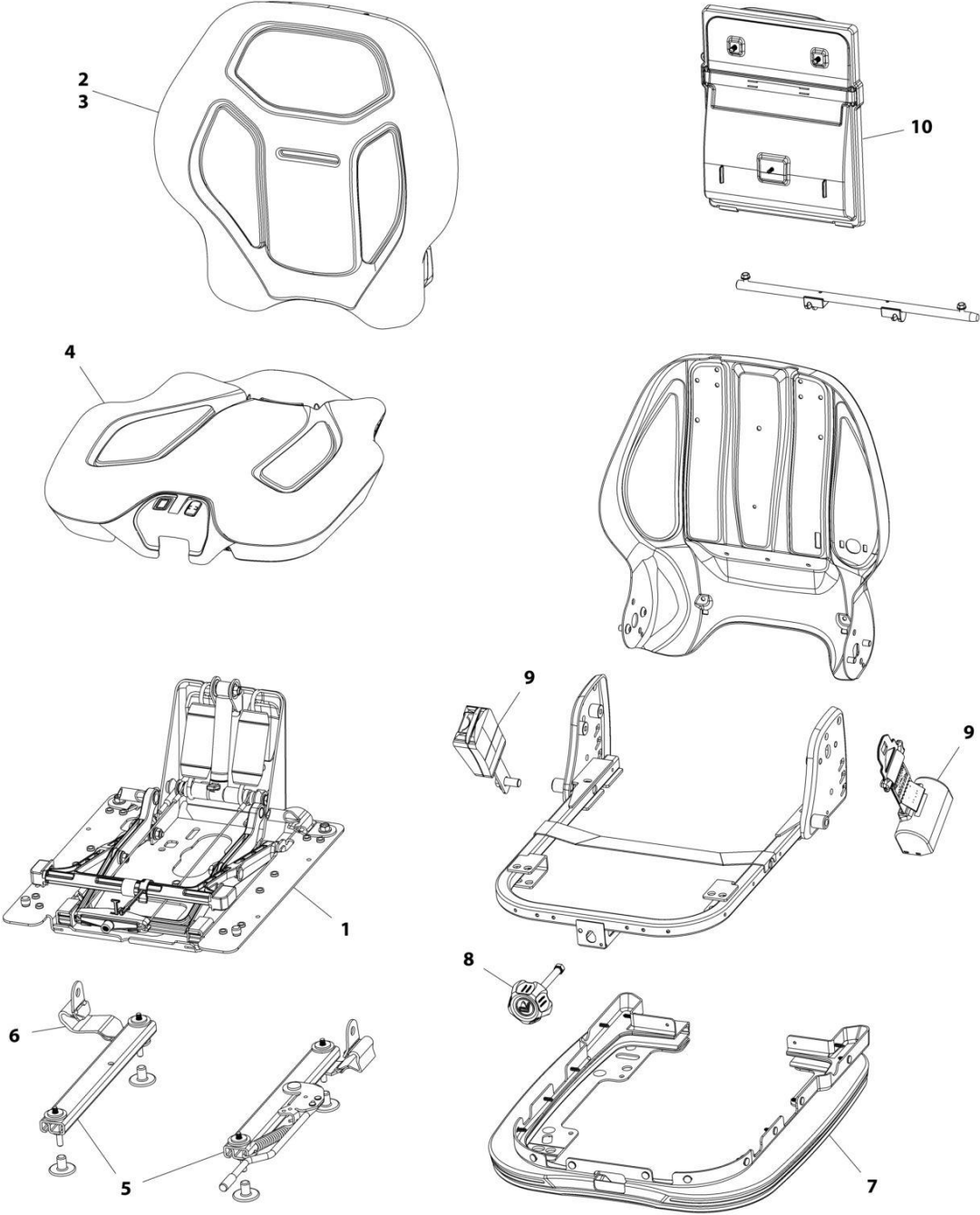
ART_1001267534

FIGURE 6-26. SEAT INSTALLATION - SEAOP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267534	Ref	SEAT INSTALLATION - SEAOP	D
1	3271505	4	Nut 5/16	
2	4711500	4	Washer 5/16	
3	1001275931	1	Seat Assembly (See Separate Breakdown in this Section)	
4	1001276780	1	Seat Harness (See Separate Breakdown in ELECTRICAL Section)	

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FIGURE 6-27. SEAT ASSEMBLY - STANDARD



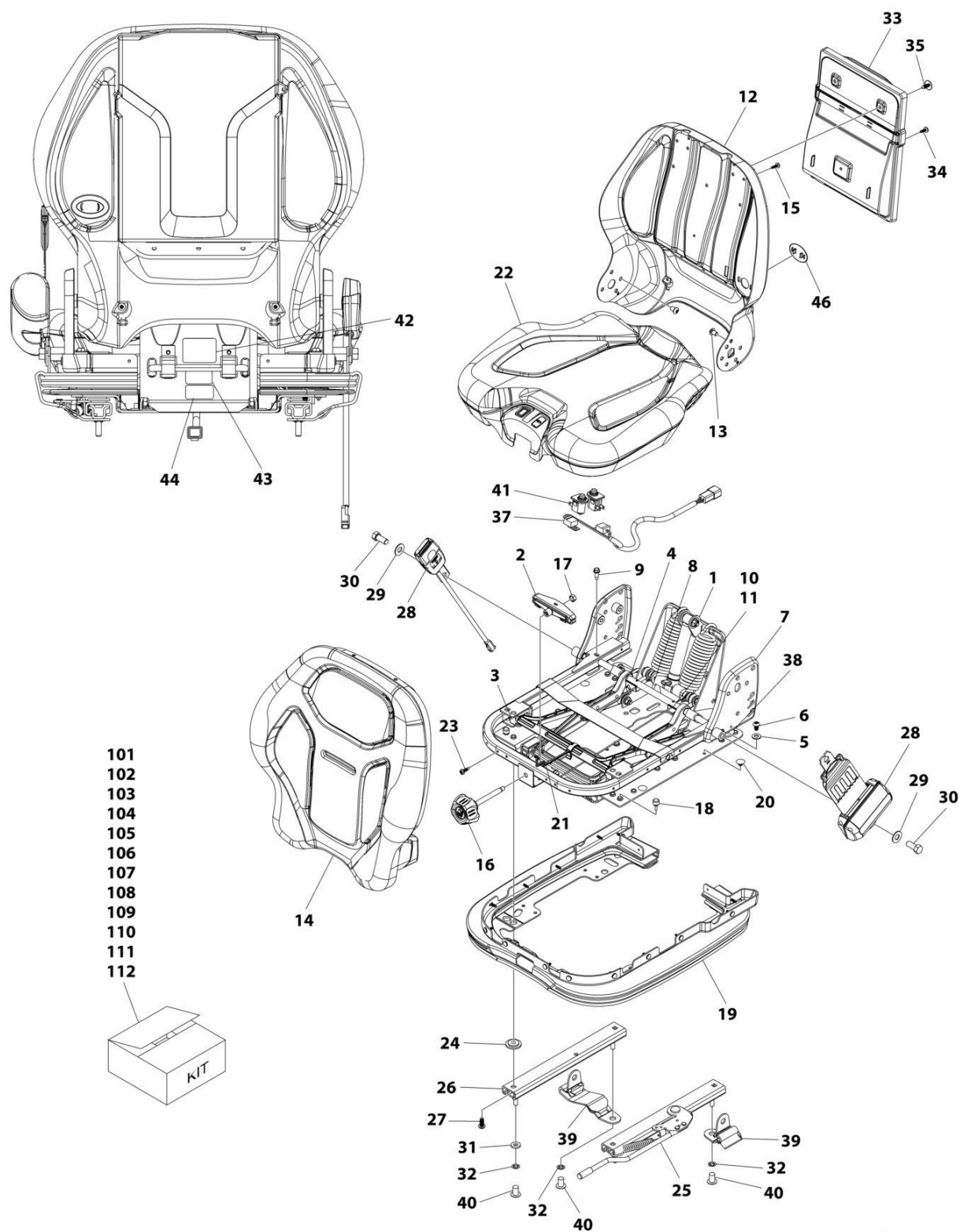
ART_1001275934

FIGURE 6-27. SEAT ASSEMBLY - STANDARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275934	Ref	SEAT INSTALLATION	C
1	70027024	1	Suspension Kit	
2	70027026	1	Back Cushion Kit (JLG)	
3	70027027	1	Back Cushion Kit (CAT)	
4	70027028	1	Seat Cushion Kit	
5	7026798	1	Adjuster Kit	
6	70027032	1	Tether strap	
7	70027030	1	Boot Kit	
8	70027033	1	Weight Adjust Knob Kit	
9	1001275933	1	Seat Belt	
10	70027035	1	Document box Kit	

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FIGURE 6-28. SEAT ASSEMBLY - VINYL



ART_1001275931

FIGURE 6-28. SEAT ASSEMBLY - VINYL

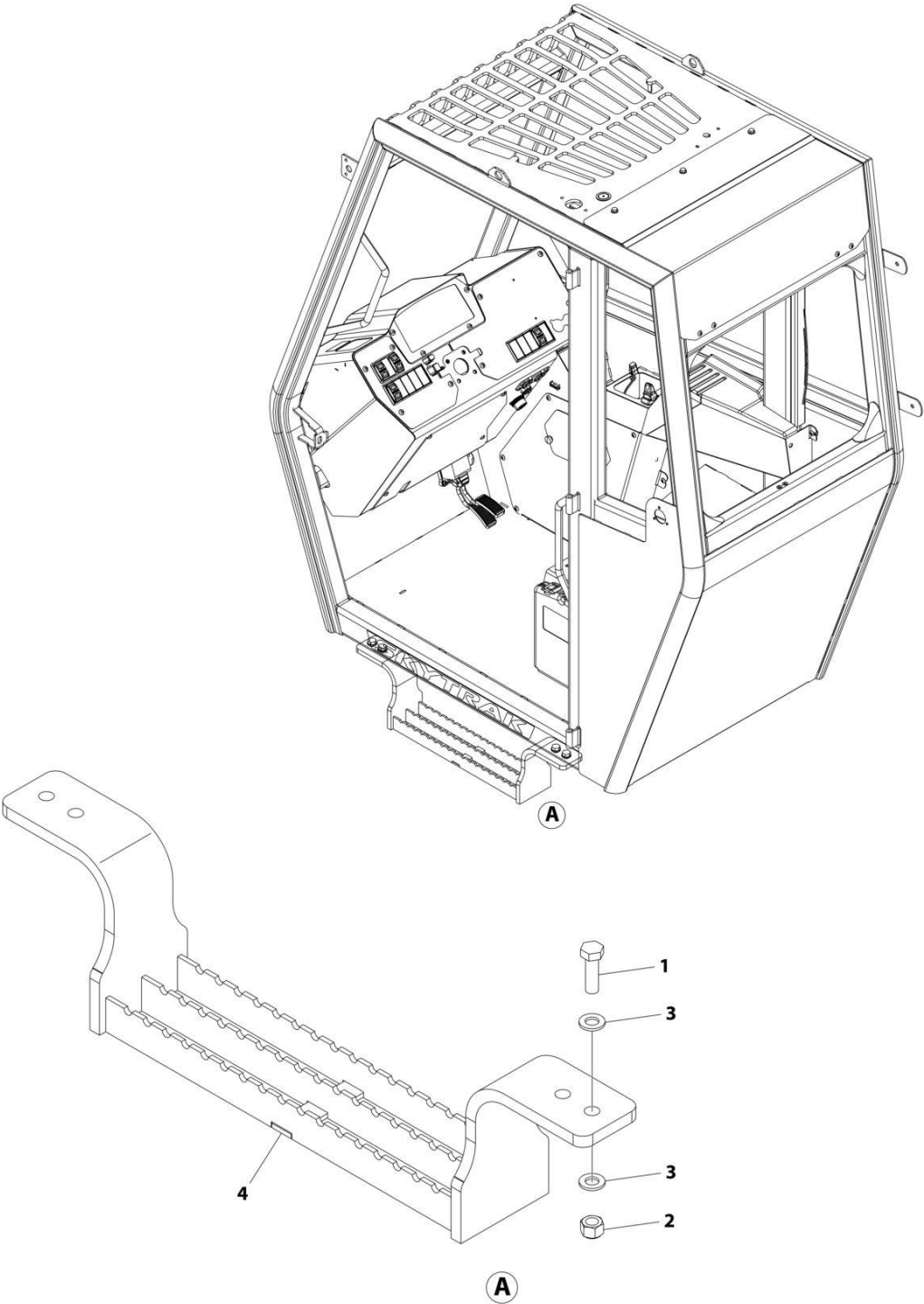
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275931	Ref	SEAT ASSEMBLY	D
1	See Note	NSS	Suspension Assembly (Note: Use Item 101)	
2	70032194	1	York Weight Adjust	
3	See Note	NSS	Block, Bearing (Note: Use Item 101)	
4	See Note	NSS	Bearing (Note: Use Item 101)	
5	See Note	NSS	Washer (Note: Use Item 101)	
6	See Note	NSS	Screw 5/16 x 1/2 (Note: Use Item 101)	
7	See Note	NSS	Frame (Note: Use Item 101)	
8	See Note	NSS	Shaft (Note: Use Item 105)	
9	See Note	NSS	Screw 1/4 x 3/4 (Note: Use Item 105)	
10	See Note	NSS	Bearing Spring Arm Assembly (Note: Use Item 105)	
11	See Note	NSS	Screw #10 (Note: Use Item 105)	
12	See Note	NSS	Pan, Backrest (Note: Use Item 102)	
13	See Note	NSS	Screw M8 x 12 (Note: Use Item 102)	
14	See Note	NSS	Cushion, Back (Note: Use Item 102)	
15	See Note	NSS	Screw #8 (Note: Use Item 102)	
16	See Note	NSS	Knob, Weight Adjust (Note: Use Item 110)	
17	See Note	NSS	Nut (Note: Use Item 110)	
18	See Note	NSS	Bumper (Note: Use Item 104)	
19	See Note	NSS	Boot with Clips (Note: Use Item 104)	
20	See Note	NSS	Clip, Tree (Note: Use Item 104)	
21	70032199	1	Indicator, Ride	
22	See Note	NSS	Cushion, Assembly (Note: Use Item 103)	
23	See Note	NSS	Screw (Note: Use Item 103)	
24	See Note	NSS	Spacer (Note: Use Item 106)	
25	See Note	NSS	Adjuster (Note: Use Item 106)	
26	See Note	NSS	Slave, Adjuster (Note: Use Item 106)	
27	See Note	NSS	Screw 5/16 x 3/4 (Note: Use Item 106)	
28	See Note	NSS	Seat Belt Set with Switch (Note: Use Item 112)	
29	See Note	NSS	Washer (Note: Use Item 112)	
30	See Note	NSS	Bolt 7/16 (Note: Use Item 112)	
31	See Note	NSS	Washer (Note: Use Item 106)	
32	See Note	NSS	Nut, Push (Note: Use Item 106)	
33	See Note	NSS	Box, Literature (Note: Use Item 111)	
34	See Note	NSS	Clip (Note: Use Item 111)	
35	See Note	NSS	Clip (Note: Use Item 111)	
36	See Note	NSS	Grease (Not Shown) (Note: Supply Locally)	
37	70032197	1	Harness (Note: Use Item 109)	
38	See Note	NSS	Tag, Serial (Note: Not Available for Purchase)	
39	See Note	NSS	Tether (Note: Use Item 107)	
39	See Note	NSS	Tether (Note: Use Item 107)	
40	See Note	NSS	Protector, Thread (Note: Not Available for Purchase)	
41	70028972	2	Switch, Snap Mount	
42	70032200	1	Decal	
43	See Note	NSS	Tag, Serial (Note: Not Available for Purchase)	
44	See Note	NSS	Label (Note: Not Available for Purchase)	
45	See Note	NSS	Tie-Strap (Note: Supply Locally)	
46	70032201	1	Cover, Lumbar	
101	70027024	1	Kit, Suspension Base (Includes Items 1, 3-7)	
102	70027026	1	Back Cushion (Includes Items 12-15)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
103	70032195	1	Seat Cushion (Includes Items 22 & 23)	
104	70027030	1	Boot (Includes Items 18-20)	
105	70032196	1	Load Shaft (Includes Items 8-11)	
106	7026798	1	Adjuster (Includes Items 24-27 & 31-32)	
107	70027032	1	Tether Strap (Includes Item 39)	
108	70024425	1	Water Drain	
109	70032197	1	Wire Harness (Includes Item 37)	
110	70027033	1	Weight Adjust Knob (Includes Items 16 & 17)	
111	70027035	1	Literature Box (Includes Items 33-35)	
112	70032198	1	Seat Belt (Includes Items 28-30)	

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FIGURE 6-29. STEP INSTALLATION



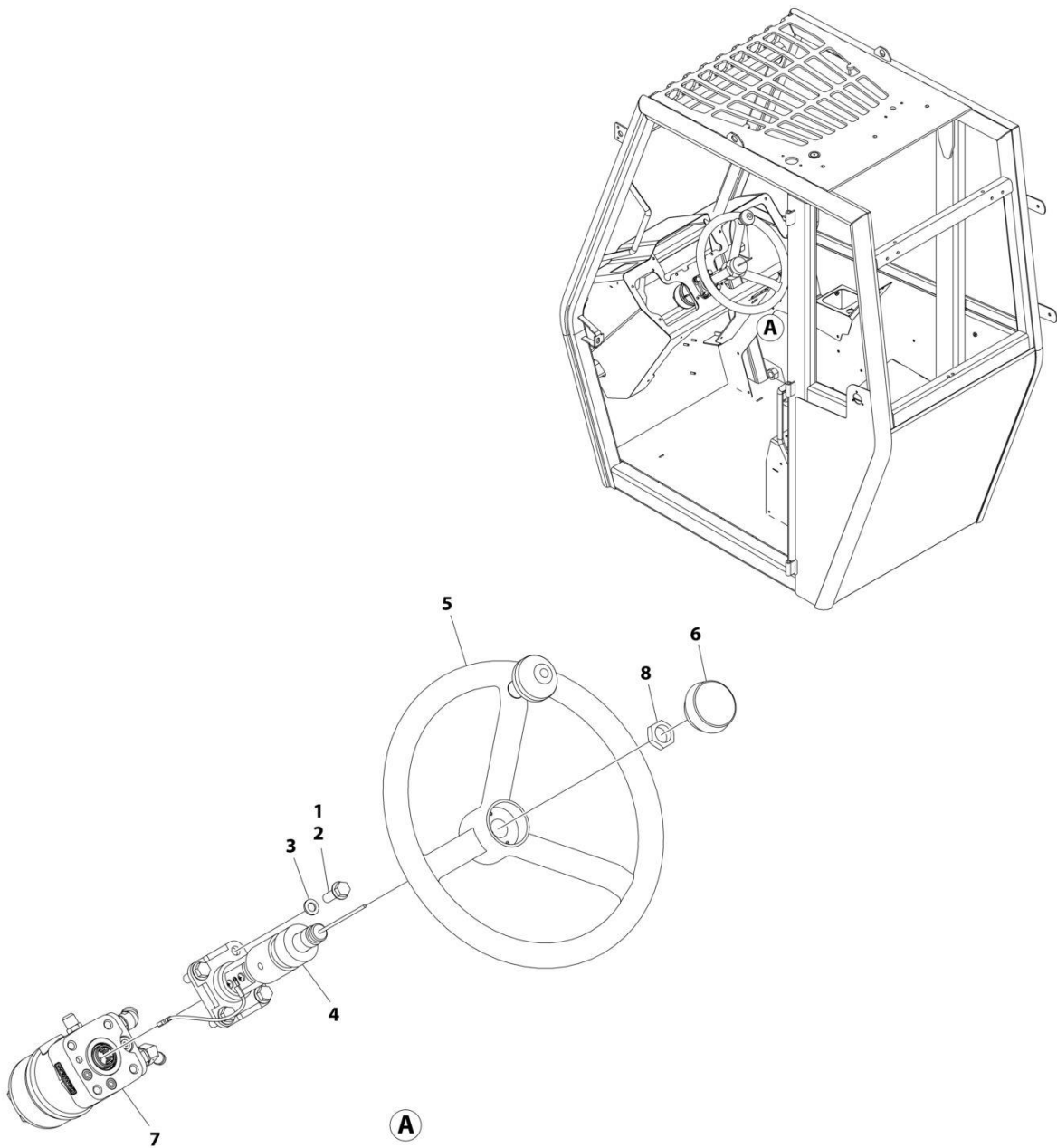
ART_1001278482

FIGURE 6-29. STEP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001278482	Ref	STEP INSTALLATION	A
1	0761216	4	Bolt M12 x 40	
2	3291205	4	Nut M12	
3	4812100	8	Washer M12	
4	1001256519	1	Mount, Cab Step	

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FIGURE 6-30. STEERING SYSTEM INSTALLATION



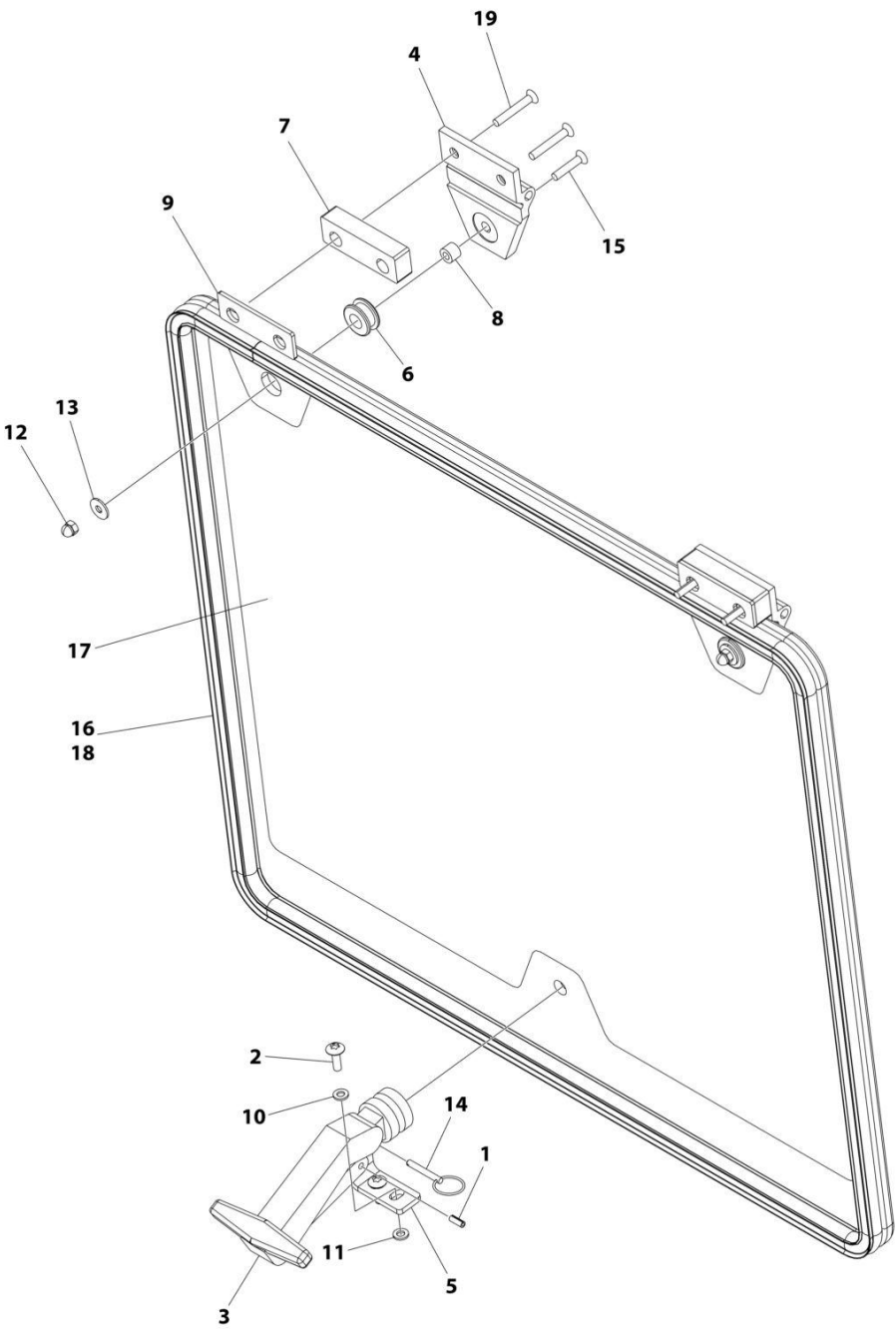
ART_1001267544

FIGURE 6-30. STEERING SYSTEM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267544	Ref	STEERING SYSTEM INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	5251014	4	Bolt M10 x 30	
3	4832000	4	Washer, M10	
4	7138833	1	Column, Steering (Sold as Assembly Only)	
5	1001288746	1	Wheel, Steering (Sold as Assembly Only)	
6	7138878	1	Button, Horn	
7	1001269699	1	Steering Valve and Fittings Sub-Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
8	8305916	1	Nut, Steering Column	

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FIGURE 6-31. WINDOW ASSEMBLY (REAR)



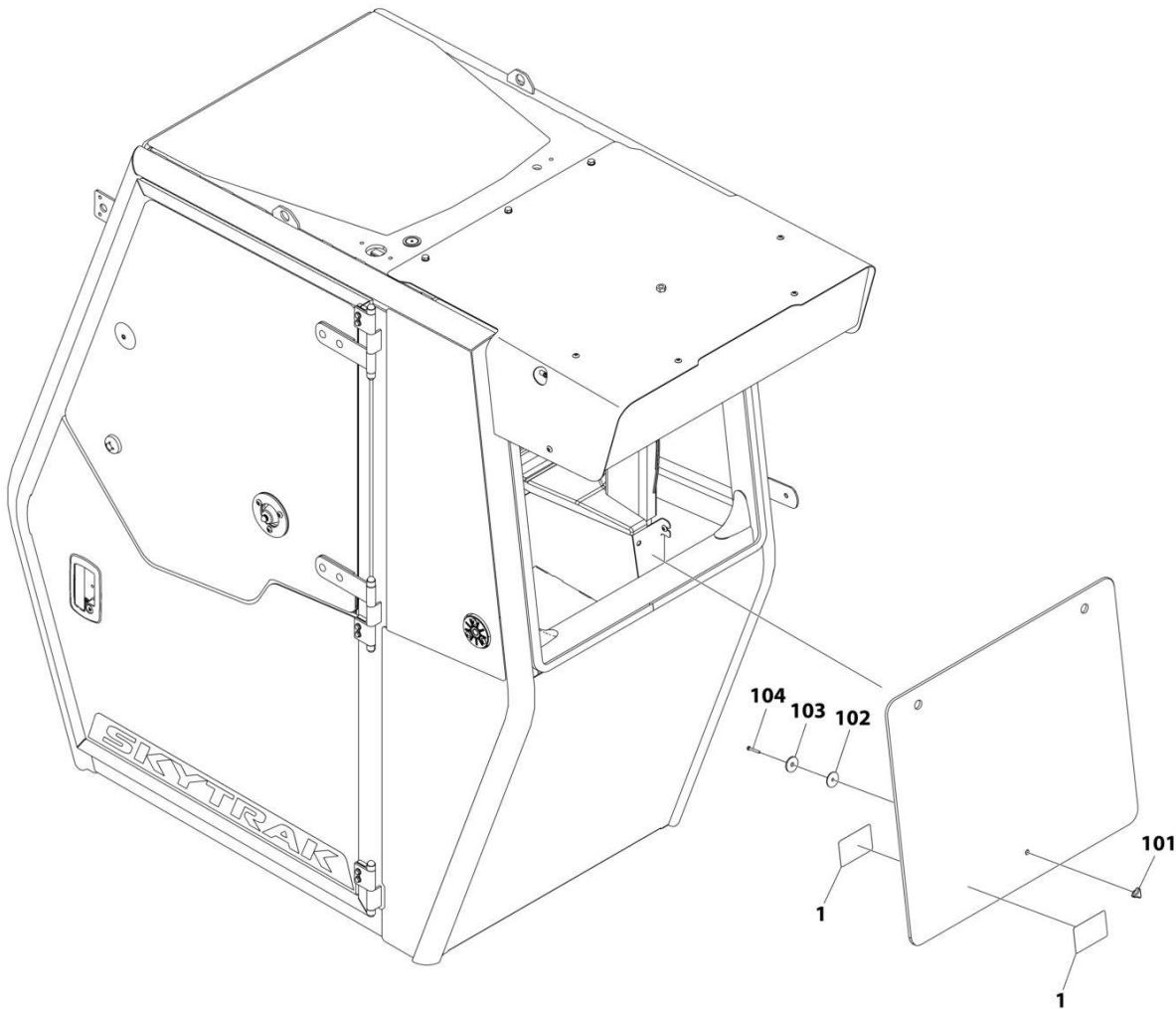
ART_1001269329

FIGURE 6-31. WINDOW ASSEMBLY (REAR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001269329	Ref	WINDOW ASSEMBLY (REAR)	E
1	3440608	1	Roll Pin	
2	1001272884	2	Bolt M6 x 20	
3	1001081280	1	Lever, T-Style	
4	1001081281	2	Hinge	
5	1001081282	1	Mount, Rear Window Latch	
6	1001081283	2	Grommet	
7	1001296371	2	Plate, Spacer	
8	1001081285	2	Sleeve	
9	1001081289	2	Pad, Mounting Hinge	
10	4831700	2	Washer M6	
11	4811700	2	Washer M6	
12	1001108603	2	Nut M6	
13	4811702001	2	Washer M6	
14	1001109417	1	Pin, Detent Ring	
15	1001293825	2	Bolt M6 x 30	
16	1001177746	AR	Compound, Locking	
17	1001269080	1	Window, Rear	
18	1001269393	1	Seal, Rear Glass	
19	1001299875	4	Screw M6 x 40	

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FIGURE 6-32. WINDOW EXIT INSTALLATION (ANSI SPECS)



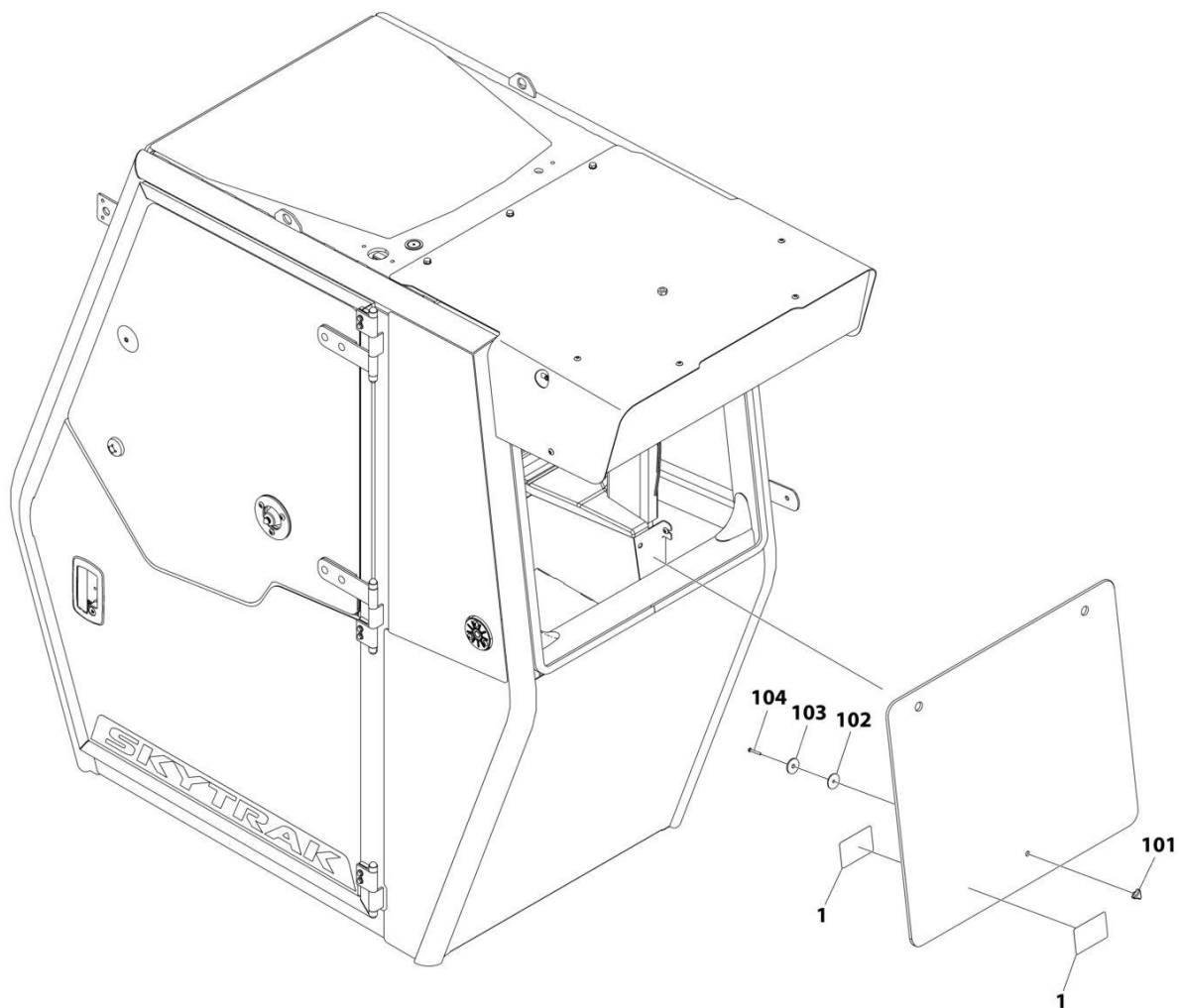
ART_1001267538

FIGURE 6-32. WINDOW EXIT INSTALLATION (ANSI SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267538	Ref	WINDOW EXIT INSTALLATION (ANSI SPECS)	A
1	1001212049	2	Decal, Emergency Exit	
2	1001273654	1	Rear Window Exit Installation (Not Shown)	
101	1001162830	1	Rear Window Entry Knob	
102	1001177636	1	Washer 9/32	
103	1001177640	1	Washer M10	
104	1001178811	1	Bolt M5 x 35	

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FIGURE 6-33. WINDOW EXIT INSTALLATION (ENGLISH/FRENCH LANGUAGES)



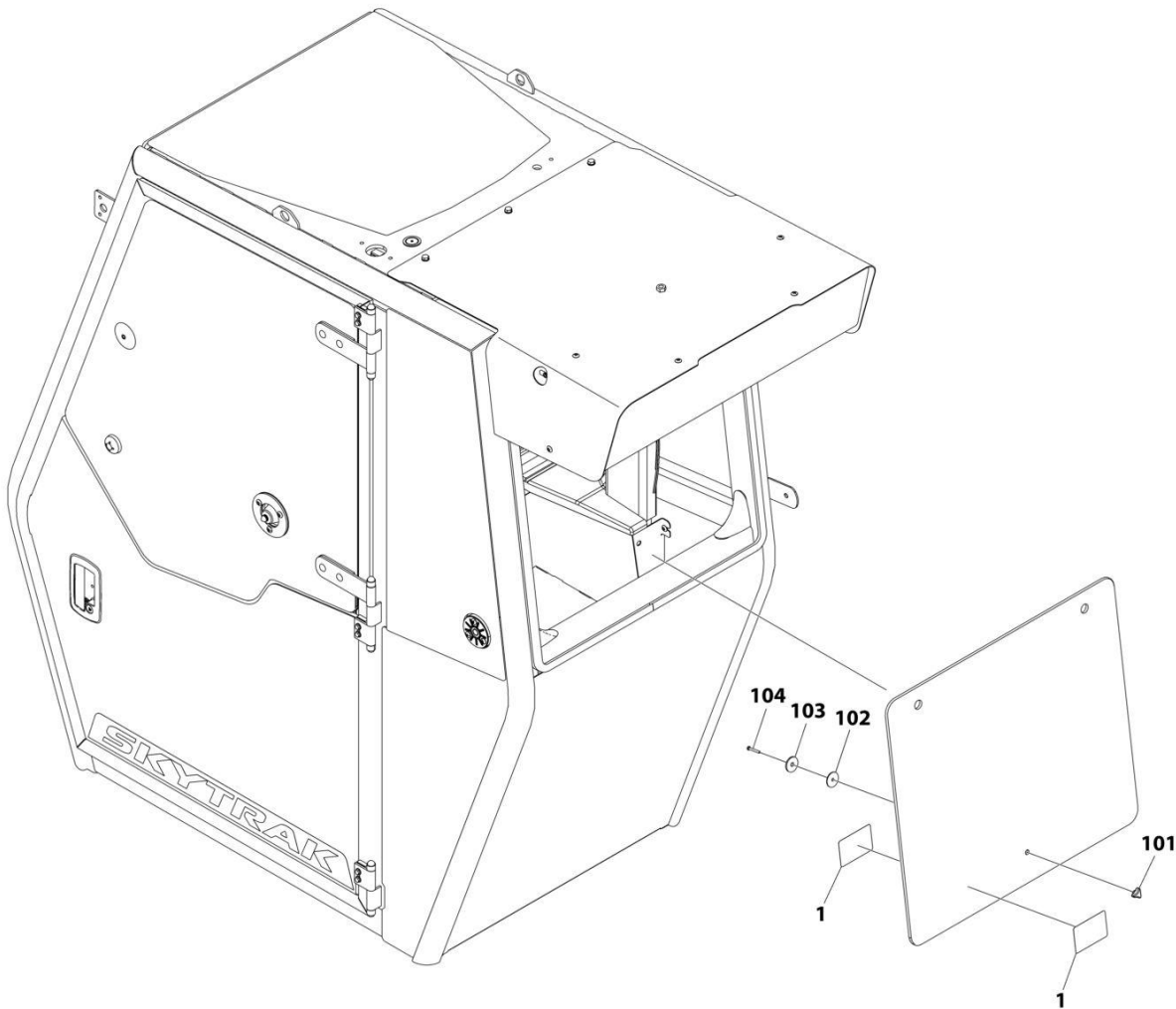
ART_1001267539

FIGURE 6-33. WINDOW EXIT INSTALLATION (ENGLISH/FRENCH LANGUAGES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267539	Ref	WINDOW EXIT INSTALLATION (ENGLISH/FRENCH LANGUAGES)	A
1	1001204709	2	Decal, Emergency Exit	
2	1001273654	1	Rear Window Exit Installation (Not Shown)	
101	1001162830	1	Rear Window Entry Knob	
102	1001177636	1	Washer 9/32	
103	1001177640	1	Washer M10	
104	1001178811	1	Bolt M5 x 35	

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FIGURE 6-34. WINDOW EXIT INSTALLATION (ISO SPECS)



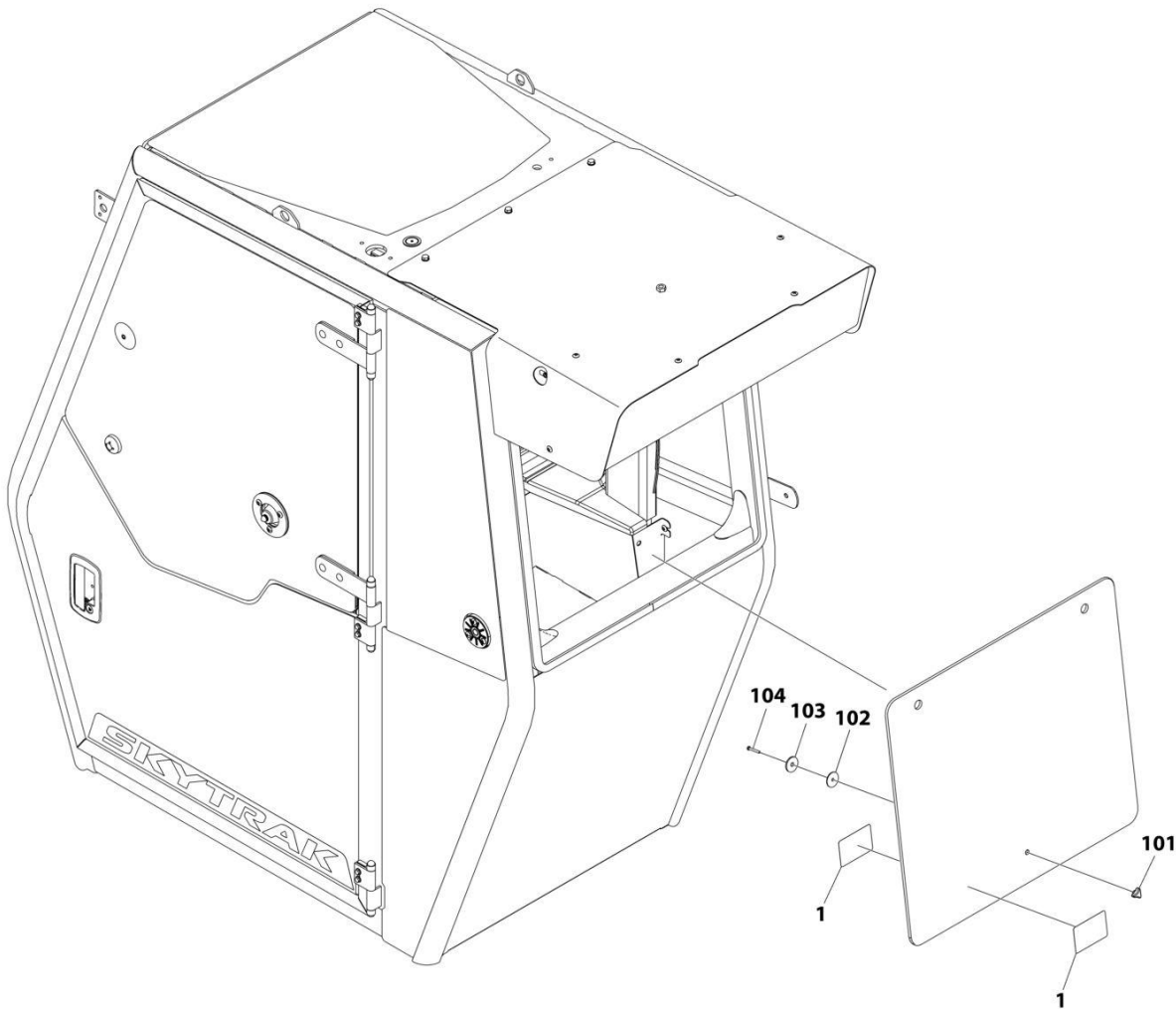
ART_1001267540

FIGURE 6-34. WINDOW EXIT INSTALLATION (ISO SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267540	Ref	WINDOW EXIT INSTALLATION (ISO SPECS)	A
1	1001212050	2	Decal, Emergency Exit	
2	1001273654	1	Rear Window Exit Installation (Not Shown)	
101	1001162830	1	Rear Window Entry Knob	
102	1001177636	1	Washer 9/32	
103	1001177640	1	Washer M10	
104	1001178811	1	Bolt M5 x 35	

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FIGURE 6-35. WINDOW EXIT INSTALLATION (ENGLISH/SPANISH LANGUAGES)



ART_1001267541

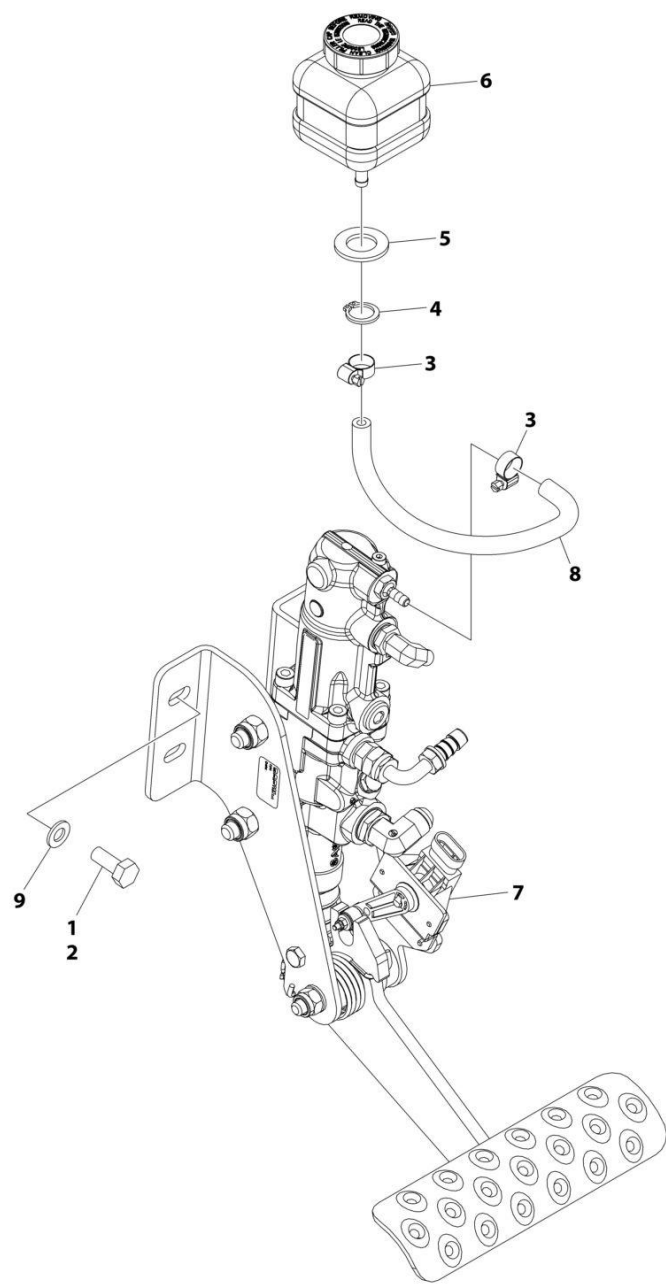
FIGURE 6-35. WINDOW EXIT INSTALLATION (ENGLISH/SPANISH LANGUAGES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267541	Ref	WINDOW EXIT INSTALLATION (ENGLISH/SPANISH LANGUAGES)	A
1	1001237845	2	Decal, Emergency Exit	
2	1001273654	1	Rear Window Exit Installation (Not Shown)	
101	1001162830	1	Rear Window Entry Knob	
102	1001177636	1	Washer 9/32	
103	1001177640	1	Washer M10	
104	1001178811	1	Bolt M5 x 35	

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FIGURE 7-1. BRAKE SYSTEM INSTALLATION



ART_1001299148

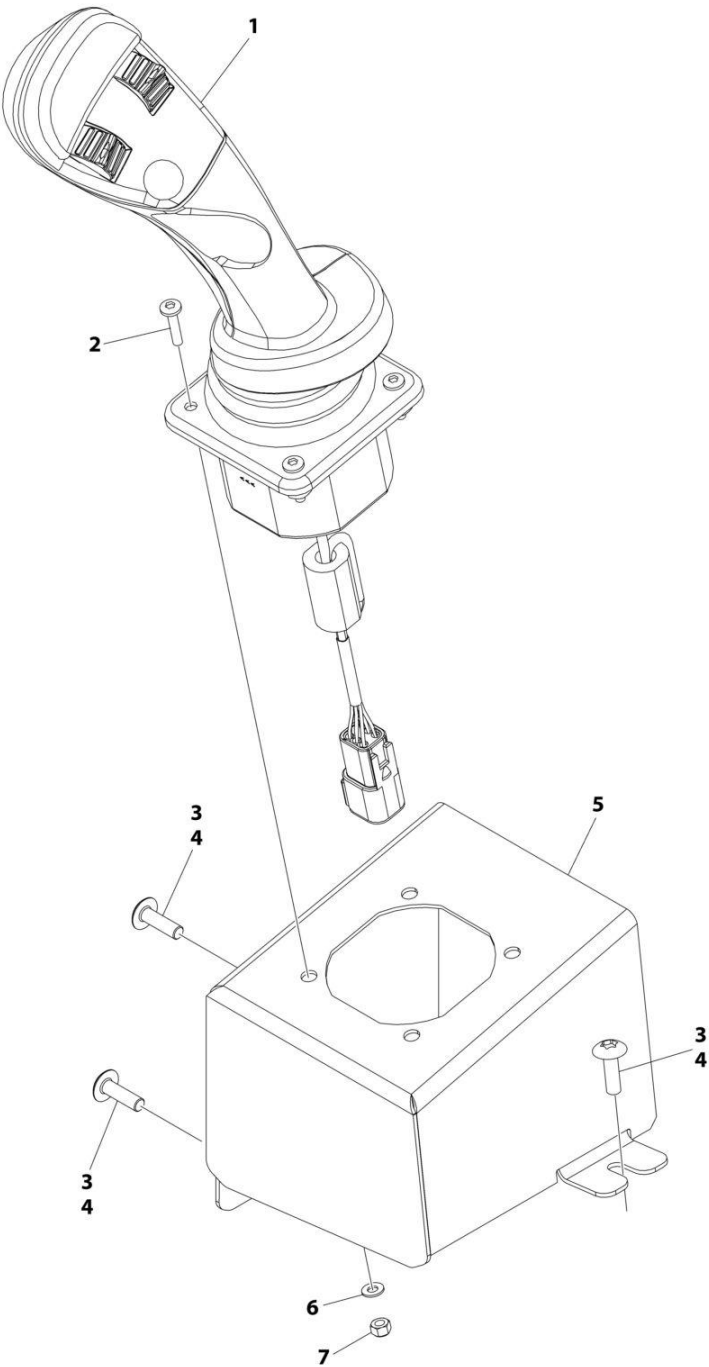
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FIGURE 7-1. BRAKE SYSTEM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001299148	Ref	BRAKE SYSTEM INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0761012	4	Bolt M10 x 25	
3	1320022	2	Clamp	
4	3760348	1	Ring, Retaining	
5	4812500	1	Washer M20	
6	1001288767	1 NLA	Reservoir, Brake	
6	1001309126	1	Reservoir, Brake	
6	70032190	1	Cap, Reservoir (Fits Both PNs 1001288767 & 1001309126)	
7	1001299150	1	Brake and Fittings Sub-Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
8	1001299149	1	Hose	
9	4812000	4	Washer M10	

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FIGURE 7-2. JOYSTICK INSTALLATION



ART_1001267545_D

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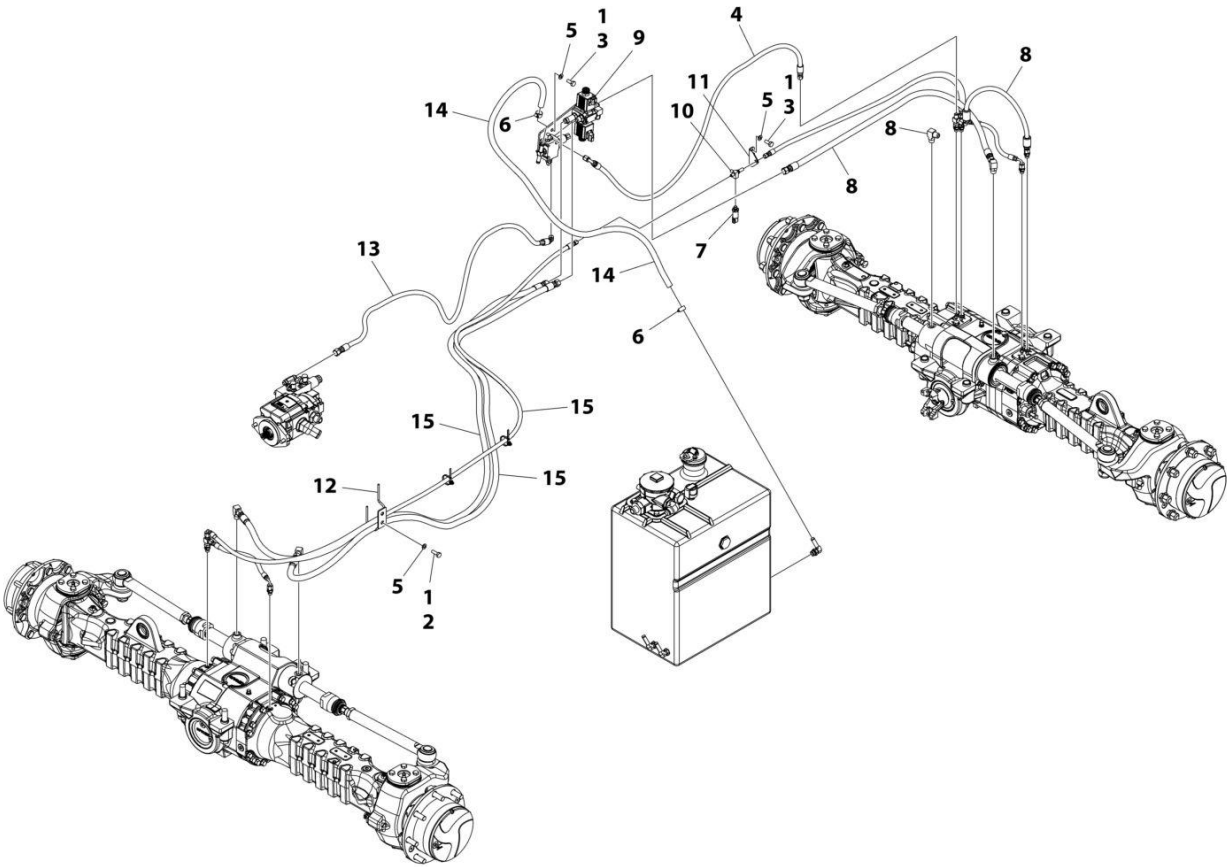
FIGURE 7-2. JOYSTICK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267545	Ref	JOYSTICK INSTALLATION	D
1	1001314225	1	Joystick (Sold as Assembly Only)	
2	1001273469	4	Bolt M4 x 45/64	
3	0100011	AR	Compound, Locking	
4	1001272884	3	Bolt M6 x 20	
5	1001290789	1	Plate, Joystick Mount	
6	4811400	4	Washer M4	
7	3290405	4	Nut M4	

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SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. HOSE INSTALLATION - AXLE



ART_1001294425

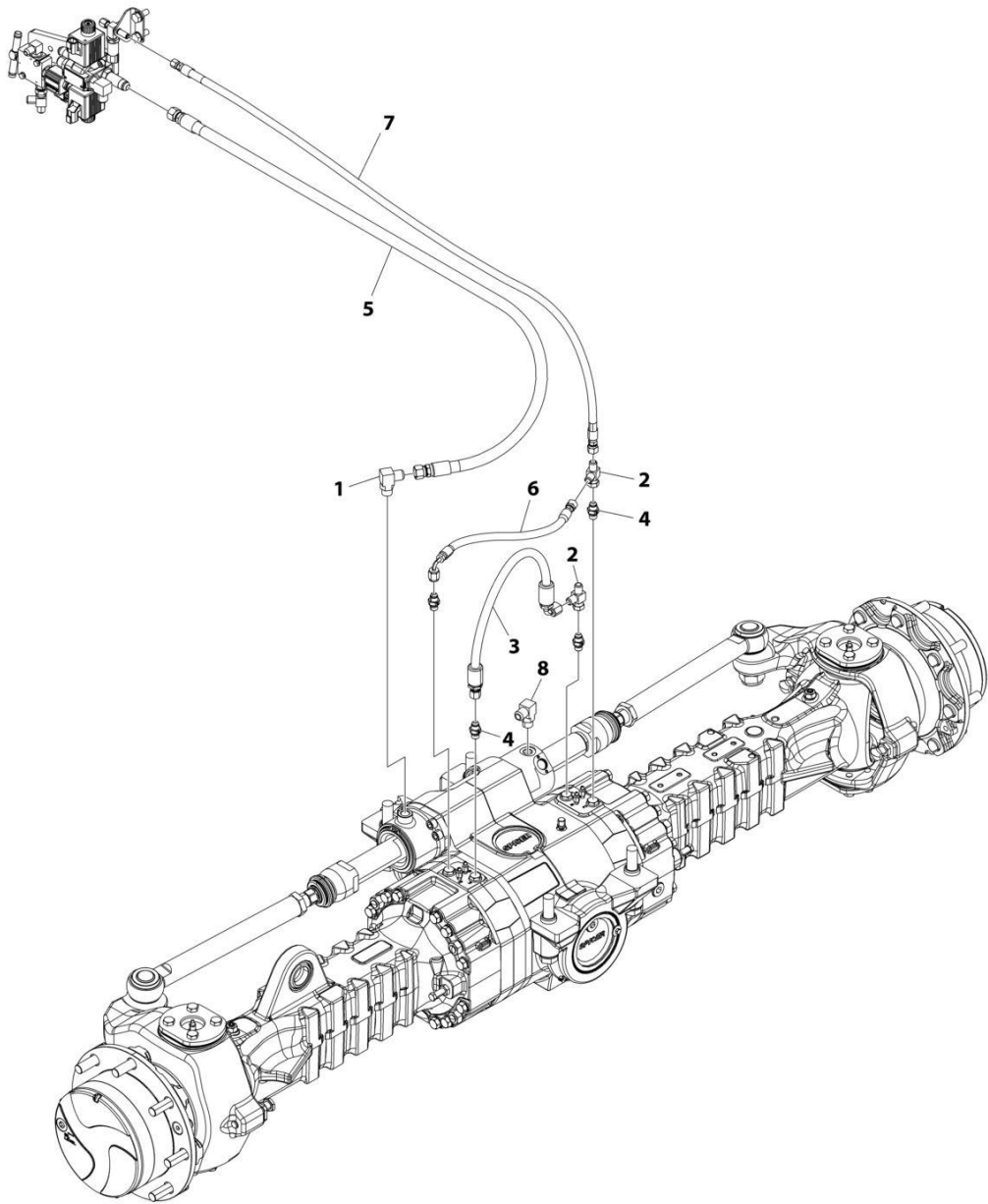
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. HOSE INSTALLATION - AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294425	Ref	HOSE INSTALLATION - AXLE	D
1	0100011	AR	Compound, Locking	
2	0701016	2	Bolt M10 x 40	
3	0761012	4	Bolt M10 x 25	
4	2752462	1	Hose	
5	4812000	6	Washer M10	
6	8405006	2	Clamp	
7	1001147340	1	Sensor, Pressure	
8	1001271043	1	Hose Installation - Axle (Front) (See Separate Breakdown in this Section)	
9	1001301581	1	Brake and Steer Valves Installation (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
10	1001272072	1	Fitting	
11	1001272539	1	Bracket	
12	1001272624	1	Hook	
13	1001301514	1	Hose	
14	1001291420	1	Hose	
15	1001294426	1	Hose Installation - Axle (Rear) (See Separate Breakdown in this Section)	

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FIGURE 8-2. HOSE INSTALLATION - AXLE (FRONT)



ART_1001271043

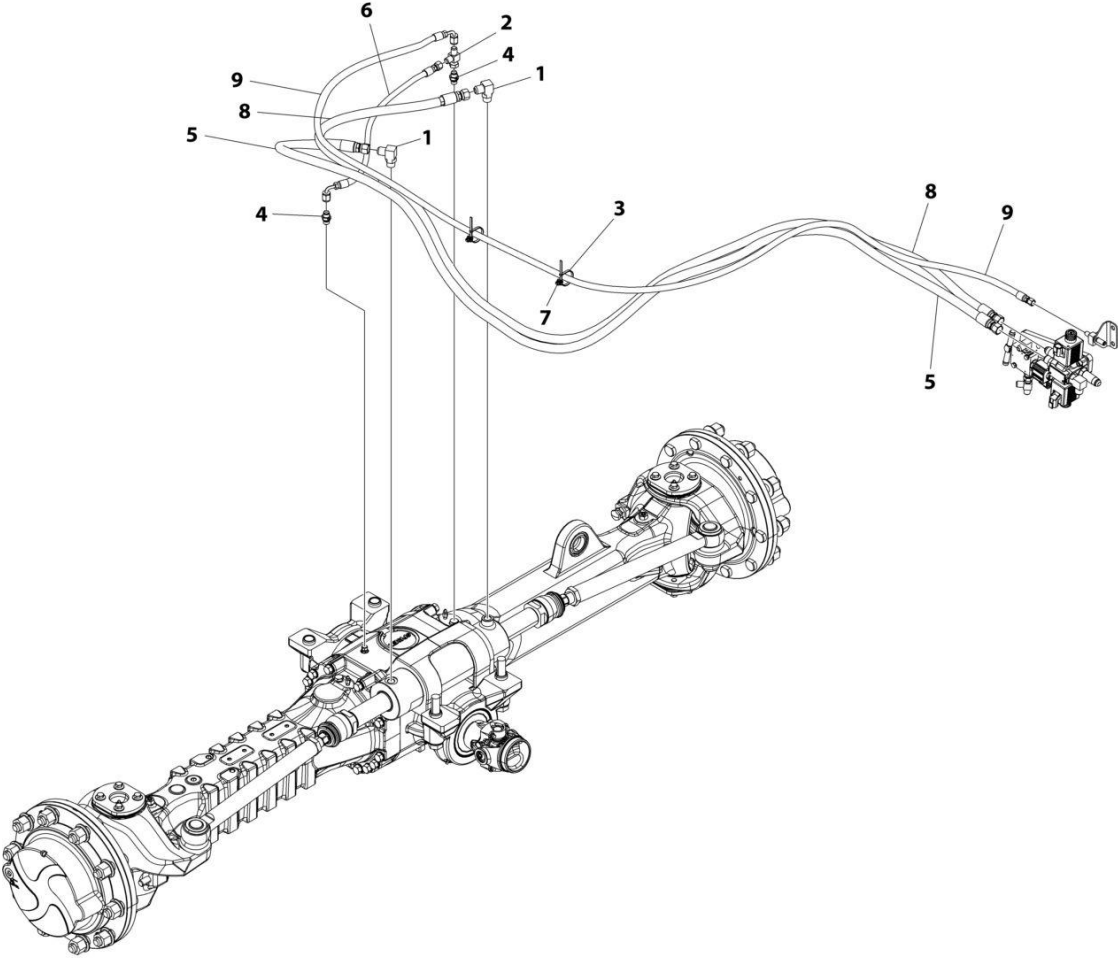
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-2. HOSE INSTALLATION - AXLE (FRONT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001271043	Ref	HOSE INSTALLATION - AXLE (FRONT)	C
1	2220596	1	Fitting, 90	
2	2220635	2	Fitting, Tee JIC/FSJIC/JIC	
3	2716670	1	Hose	
4	8770064	4	Fitting, Straight	
5	1001119611	1	Hose	
6	1001210858	1	Hose	
7	1001273242	1	Hose	
8	2220474	1	Fitting, 90	

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FIGURE 8-3. HOSE INSTALLATION - AXLE (REAR)



ART_1001294426

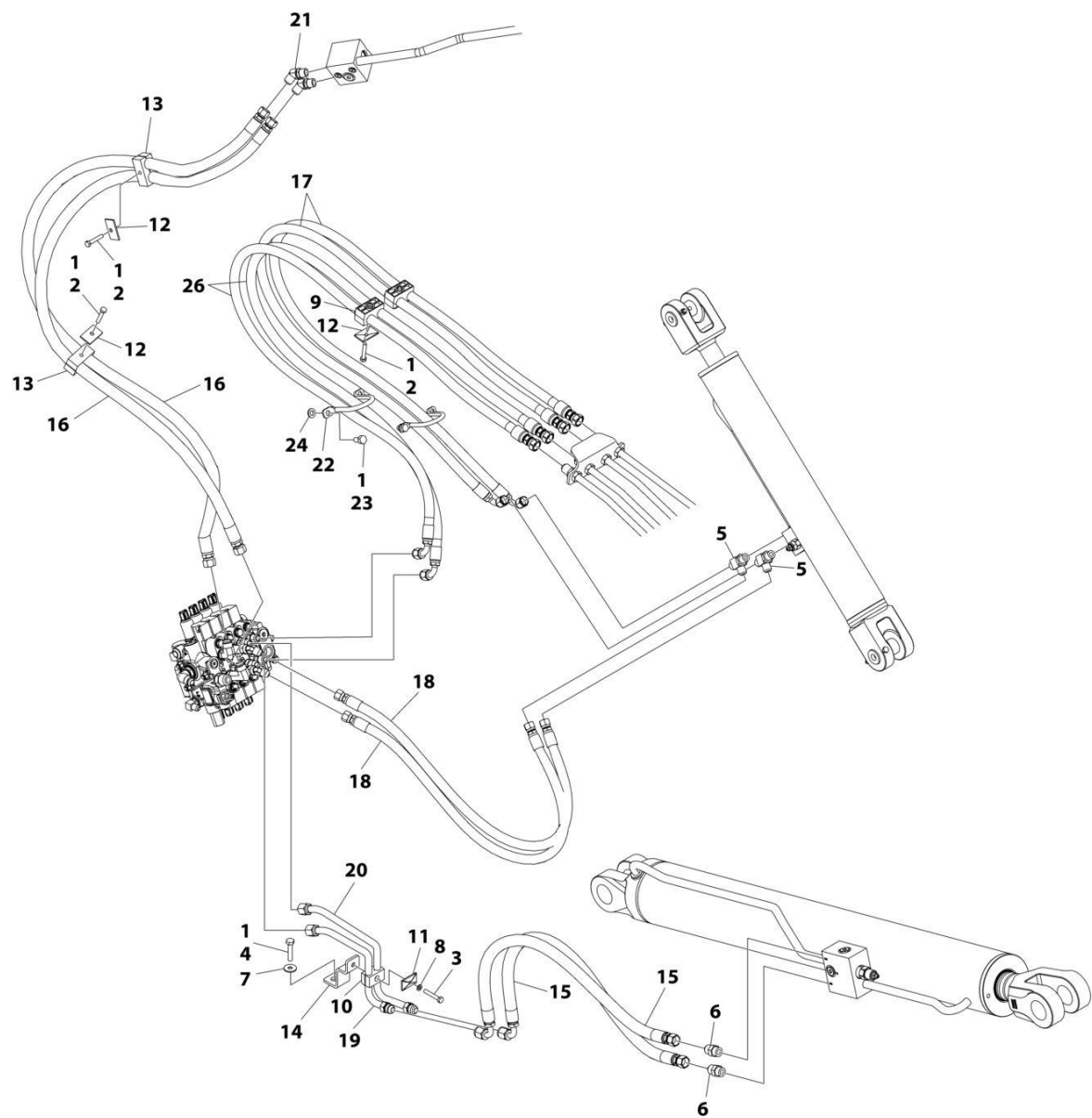
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-3. HOSE INSTALLATION - AXLE (REAR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001294426	Ref	HOSE INSTALLATION - AXLE (REAR)	B
1	2220596	2	Fitting, 90	
2	2220635	1	Fitting, Tee JIC/FSJIC/JIC	
3	8584001	2	Tie-Strap	
4	8770064	2	Fitting, Straight	
5	1001158337	1	Hose	
6	1001210858	1	Hose	
7	1001273793	2	Strap, Push Mount	
8	1001273298	1	Hose	
9	1001294626	1	Hose	

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FIGURE 8-4. HOSE INSTALLATION - BOOM



ART_1001290146

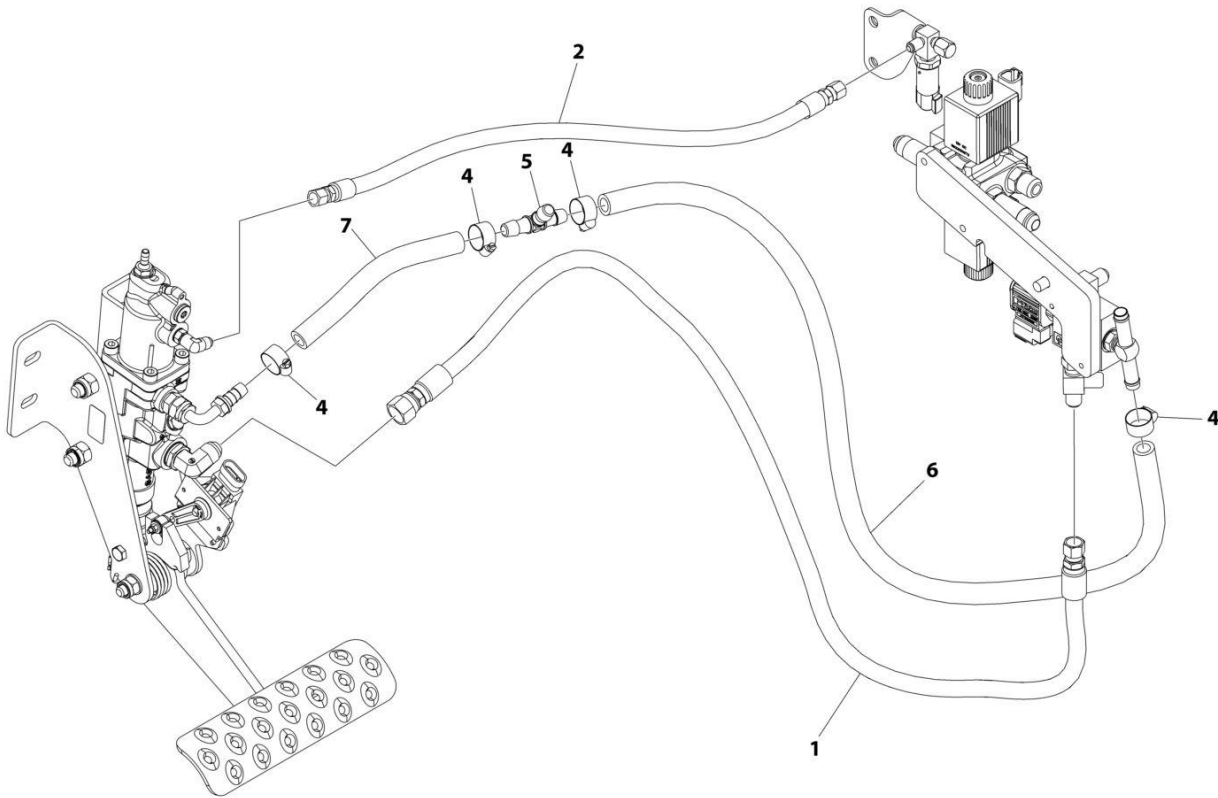
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FIGURE 8-4. HOSE INSTALLATION - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290146	Ref	HOSE INSTALLATION - BOOM	B
1	0100011	AR	Compound, Locking	
2	0700817	4	Bolt M8 x 45	
3	0700818	1	Bolt M8 x 50	
4	0761018	1	Bolt M10 x 50	
5	2220602	2	Fitting, Run Tee	
6	2220947	2	Fitting, Straight	
7	4812002	1	Washer M10	
8	4831900	1	Washer M8	
9	8750016	2	Clamp	
10	8769122	1	Clamp	
11	8769123	1	Plate, Cover	
12	8769128	4	Plate, Cover	
13	77133279	2	Clamp Set	
14	1001291197	1	Bracket	
15	1001273226	2	Hose	
16	1001290242	2	Hose	
17	1001288662	2	Hose	
18	1001273229	2	Hose	
19	1001273231	1	Pipe	
20	1001273232	1	Pipe	
21	2221050	2	Fitting, 45 JIC/ORB	
22	3841340	2	Loop, Hose	
23	0761010	4	Bolt M10 x 20	
24	4812000	4	Washer M10	
26	1001291157	2	Hose	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-5. HOSE INSTALLATION - BRAKE



ART_1001270784

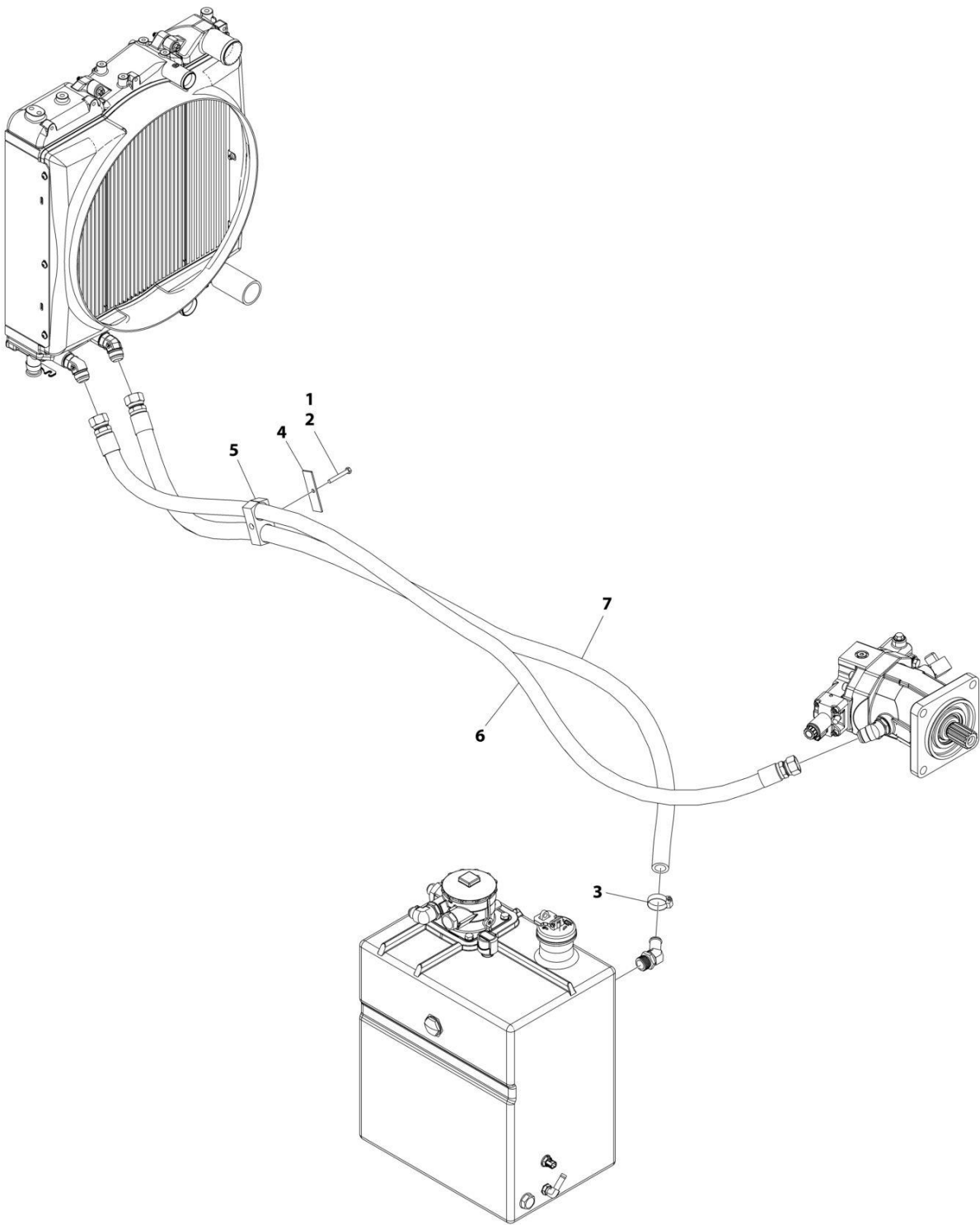
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-5. HOSE INSTALLATION - BRAKE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270784	Ref	HOSE INSTALLATION - BRAKE	C
1	1001273437	1	Hose	
3	1001273439	1	Hose	
4	8405006	4	Clamp	
5	1001176411	1	Fitting, Tee	
6	1001291419	1	Hose	
7	1001291418	1	Hose	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-6. HOSE INSTALLATION - OIL COOLER



ART_1001290037

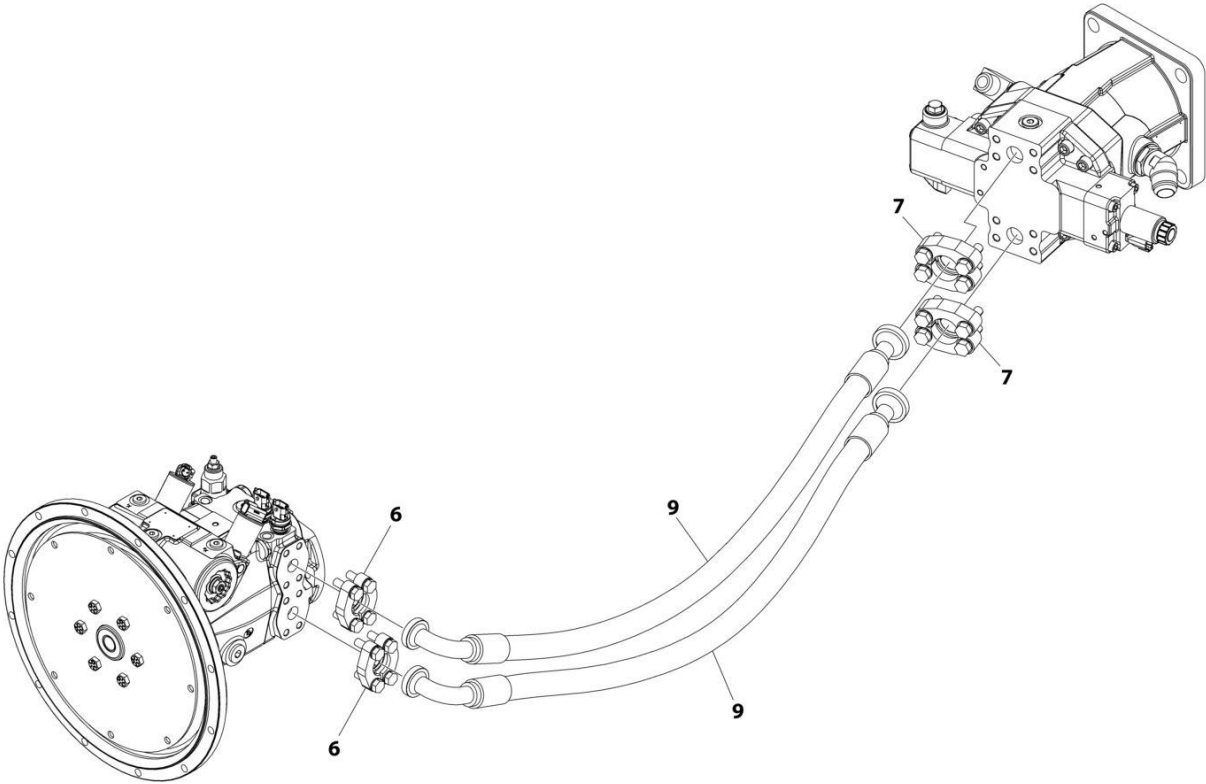
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-6. HOSE INSTALLATION - OIL COOLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290037	Ref	HOSE INSTALLATION - OIL COOLER	A
1	0100011	AR	Compound, Locking	
2	0700820	1	Bolt M8 x 60	
3	8405102	1	Clamp	
4	8750025	1	Cover Plate, Twin	
5	1001196109	1	Clamp, Twin Hose	
6	1001290038	1	Hose	
7	1001273257	1	Hose	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-7. HOSE INSTALLATION - HYDRASTATIC DRIVE



ART_1001289942

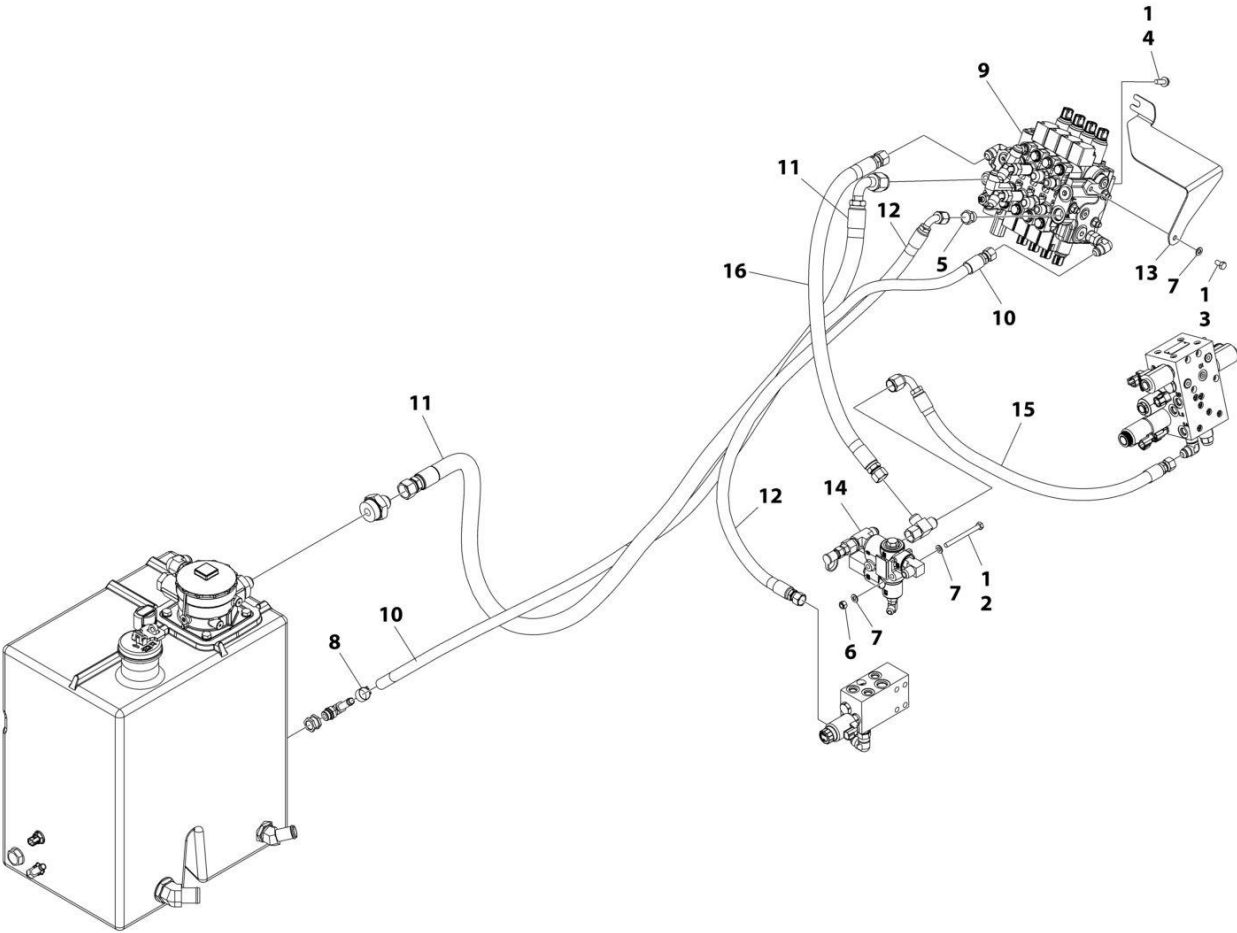
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-7. HOSE INSTALLATION - HYDRASTATIC DRIVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001289942	Ref	HOSE INSTALLATION - HYDRASTATIC DRIVE	C
6	2171712	2	Flange Kit	
7	2171716	2	Flange Kit	
9	1001289941	2	Hose	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-8. HOSE INSTALLATION - MAIN CONTROL VALVE



ART_1001289947

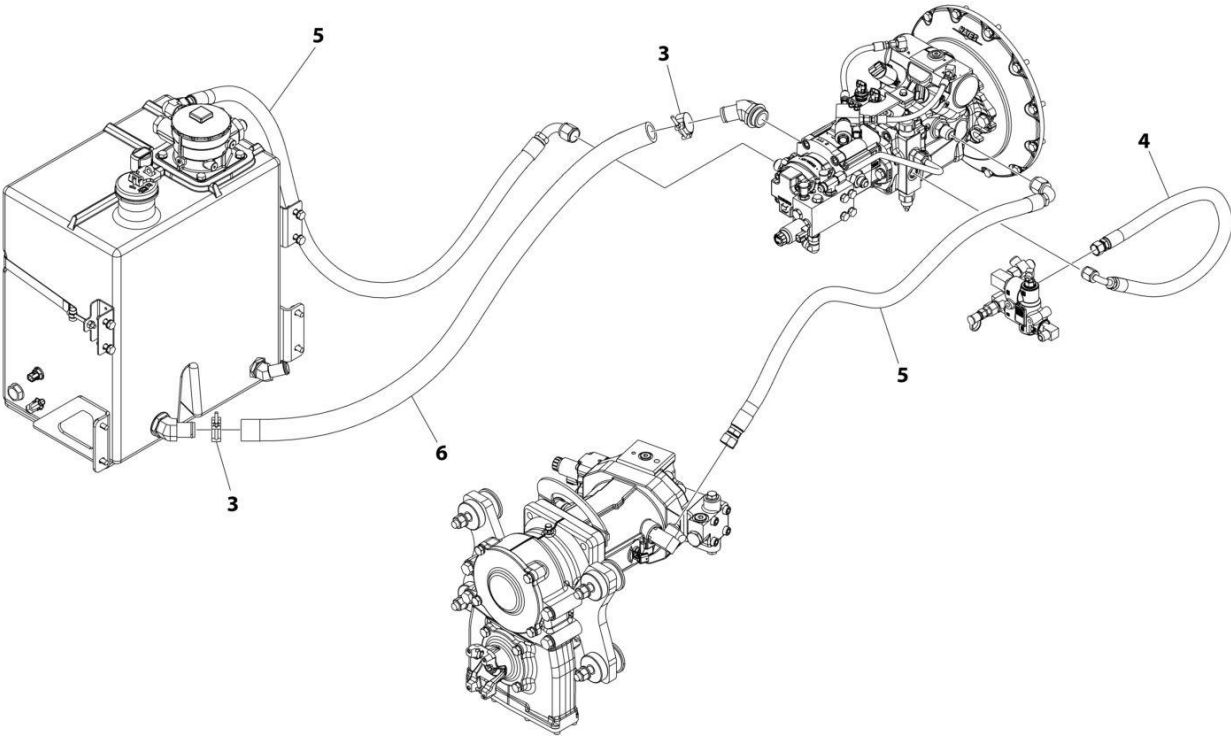
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-8. HOSE INSTALLATION - MAIN CONTROL VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001289947	Ref	HOSE INSTALLATION - MAIN CONTROL VALVE	C
1	0100011	AR	Compound, Locking	
2	0700826	2	Bolt M8 x 90	
3	0760807	1	Bolt M8 x 14	
4	5250815	3	Bolt M8 x 35	
5	2220374	1	Fitting, Straight JIC/ORB	
6	3290805	2	Nut M8	
7	4811900	5	Washer M8	
8	8405006	1	Clamp	
9	1001270646	1	Main Control Valve and Fittings Sub-Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
10	1001273371	1	Hose	
11	1001273372	1	Hose	
12	1001274499	1	Hose	
13	1001289476	1	Panel, MCV	
14	1001289948	1	Valve Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
15	1001289950	1	Hose	
16	1001289951	1	Hose	

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FIGURE 8-9. HOSE INSTALLATION - PUMP/TANK



ART_1001270787

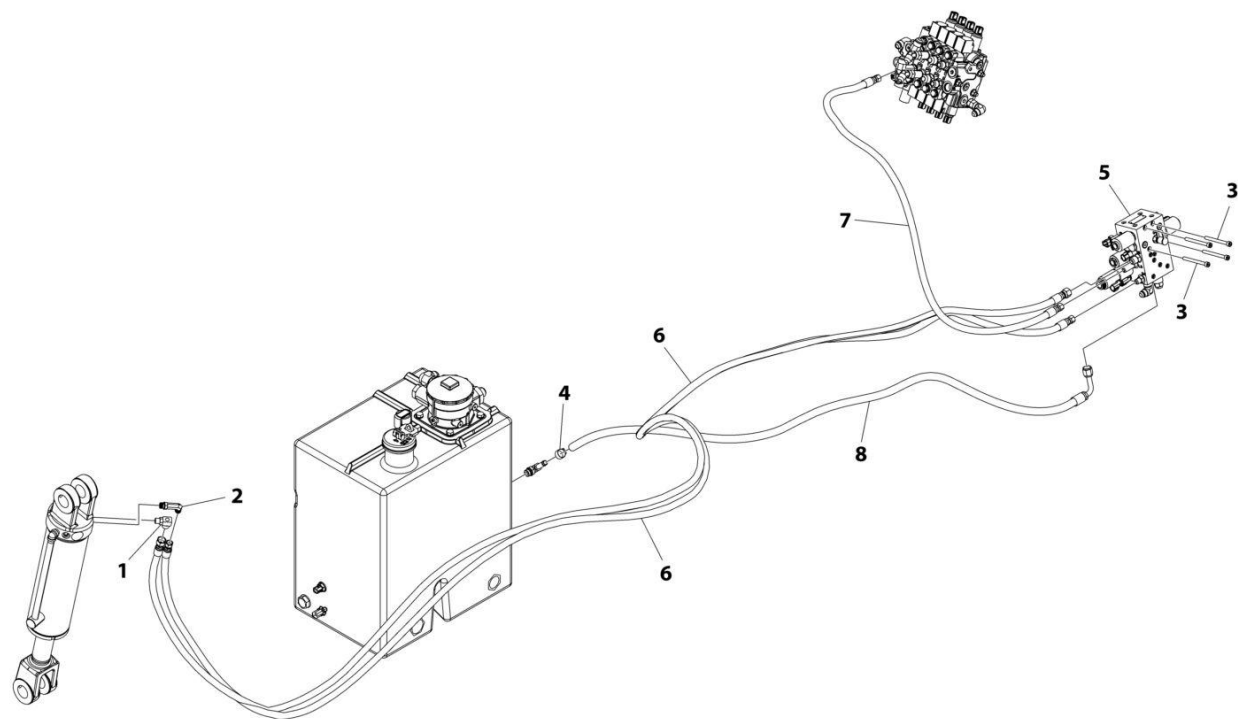
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-9. HOSE INSTALLATION - PUMP/TANK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270787	Ref	HOSE INSTALLATION - PUMP/TANK	B
3	80633030	2	Clamp	
4	1001273226	1	Hose	
5	1001273258	2	Hose	
6	1001273260	1	Hose	
7	1001008559	AR	Tie-Strap (Not Shown)	

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FIGURE 8-10. HOSE INSTALLATION - STABILIZER/SWAY



ART_1001290039

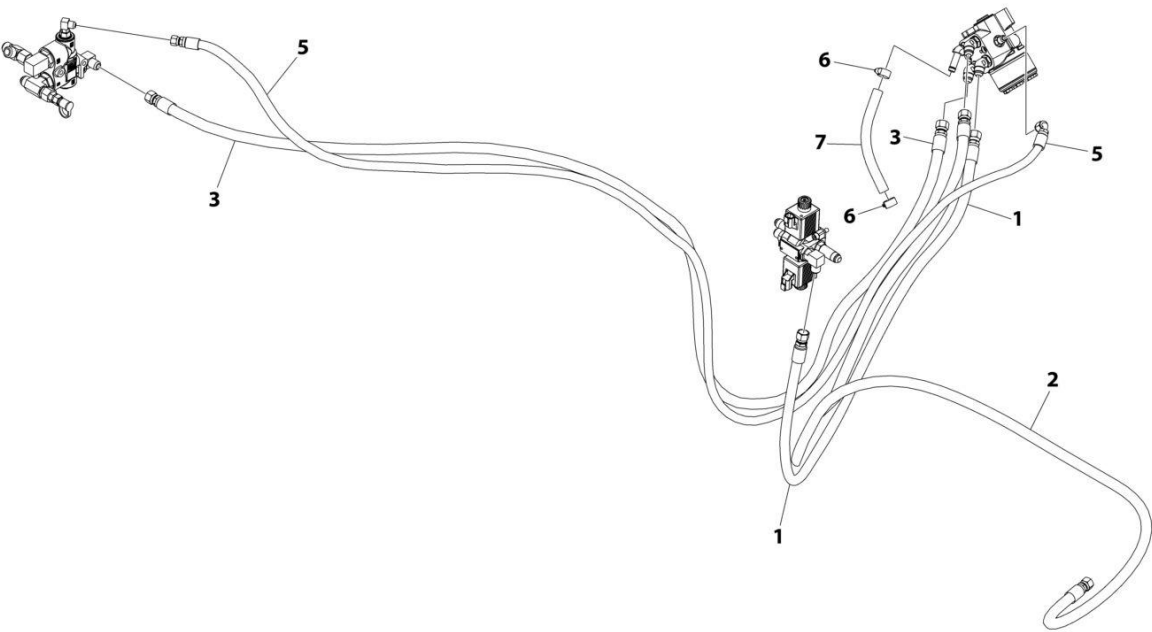
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-10. HOSE INSTALLATION - STABILIZER/SWAY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290039	Ref	HOSE INSTALLATION - STABILIZER/SWAY	A
1	2220726	1	Fitting, 90	
2	2220819	1	Fitting, 90	
3	4031922	4	Bolt M8 x 90	
4	8405006	1	Clamp	
5	1001270647	1	Stabilizer Valve and Fittings Subassembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
6	1001273367	2	Hose	
7	1001273368	1	Hose	
8	1001290041	1	Hose	

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FIGURE 8-11. HOSE INSTALLATION - STEER



ART_1001270783

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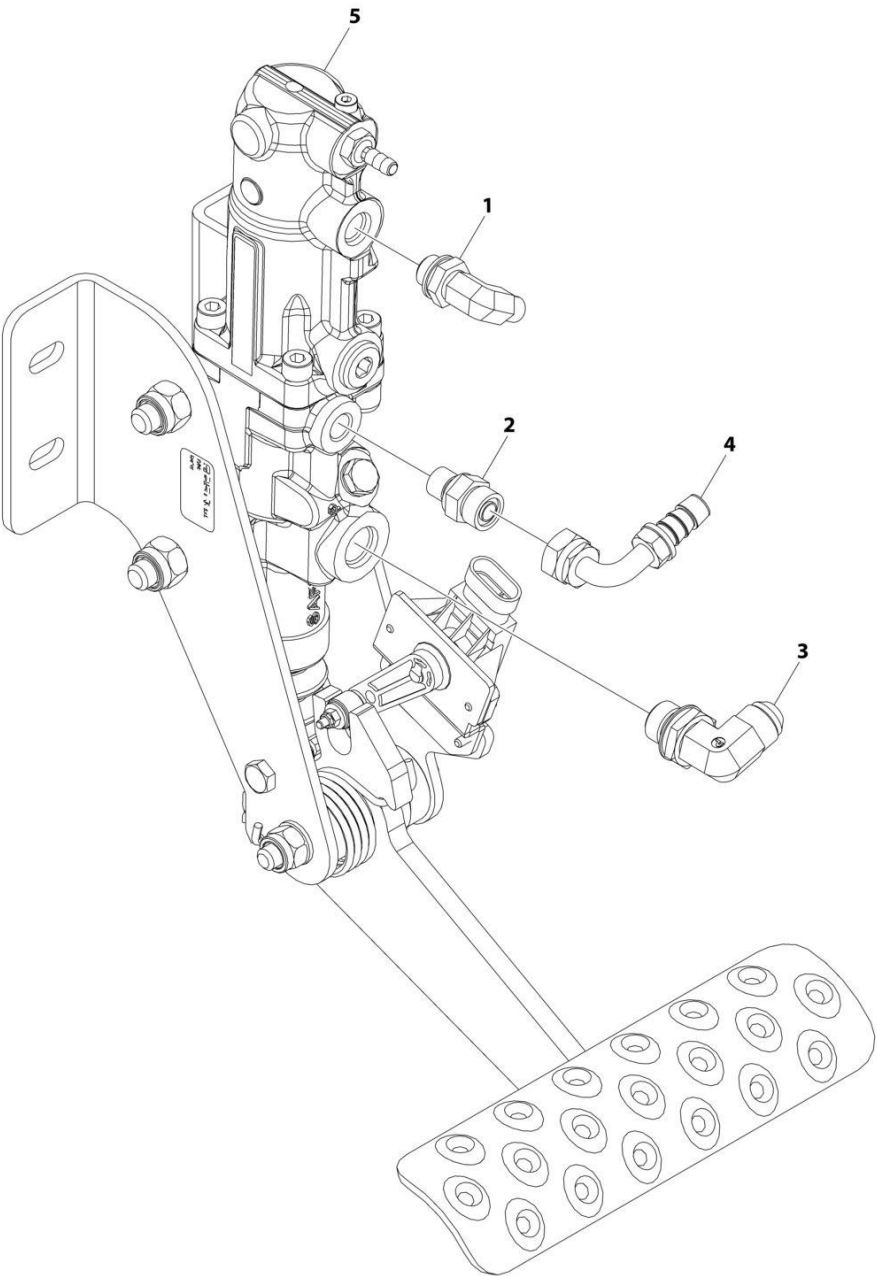
FIGURE 8-11. HOSE INSTALLATION - STEER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270783	Ref	HOSE INSTALLATION - STEER	C
1	2753416	1	Hose	
2	1001093470	1	Hose	
3	1001158337	1	Hose	
5	1001273436	1	Hose	
6	8405006	2	Clamp	
7	1001291418	1	Hose	

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FIGURE 9-1. BRAKE AND FITTINGS SUB-ASSEMBLY



ART_1001299150

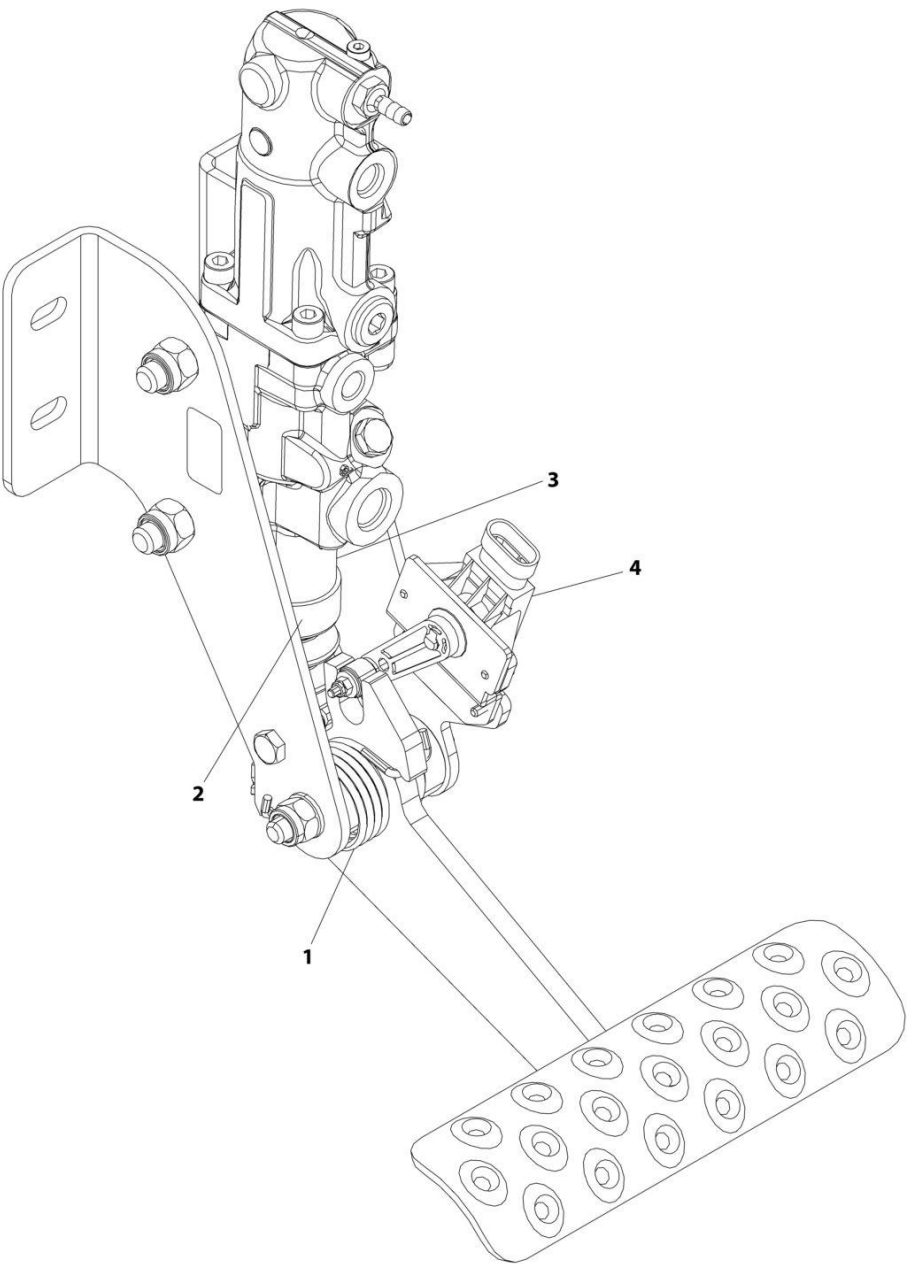
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. BRAKE AND FITTINGS SUB-ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001299150	Ref	BRAKE AND FITTINGS SUB-ASSEMBLY	B
1	1001300050	1	Fitting, 90	
2	80233218	1	Fitting, Straight	
3	91473086	1	Fitting, 90	
4	1001095301	1	Fitting, 90 ORFS/Barbed	
5	1001295354	1	Brake Assembly (See Separate Breakdown in this Section)	

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FIGURE 9-2. BRAKE ASSEMBLY



ART_1001295354

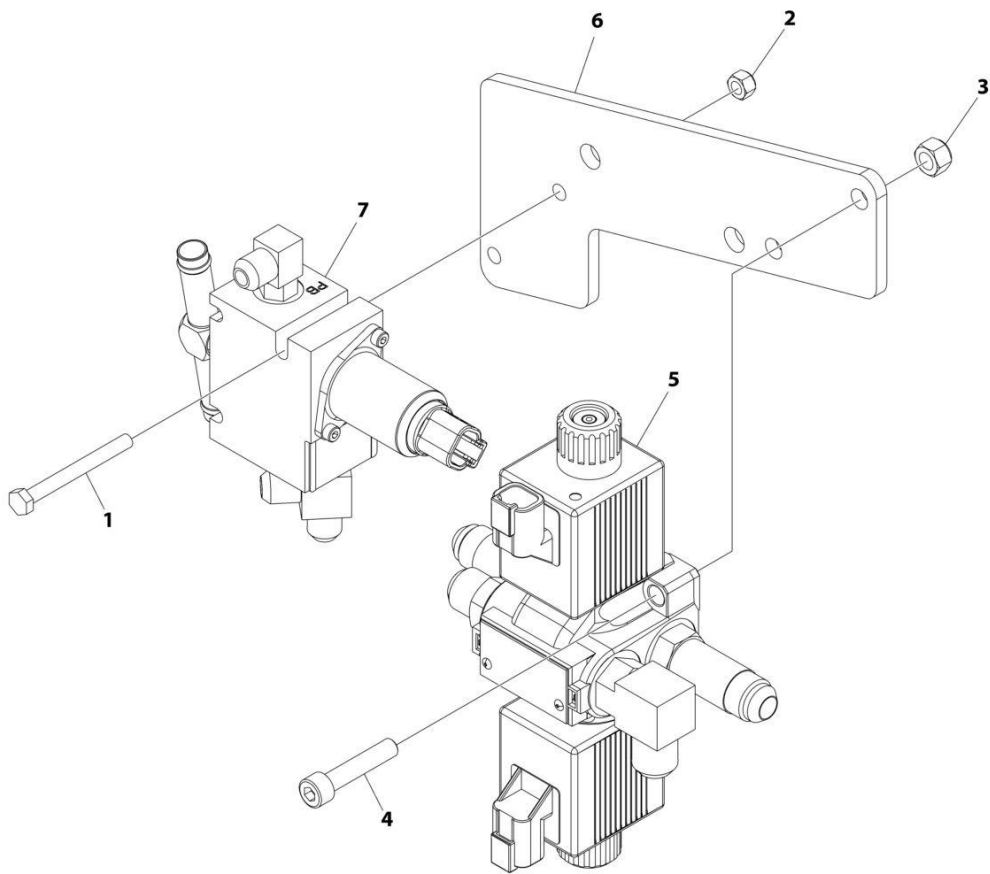
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-2. BRAKE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001295354	Ref	BRAKE ASSEMBLY	D
	See Note	Ref	Note: For All Other Components, Purchase Complete Assembly.	
1	70031507	1	Return Spring	
2	70031508	1	Dust Cover	
3	70031509	1	Master Cylinder	
4	70031510	1	Angle Sensor	

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FIGURE 9-3. BRAKE AND STEER VALVES INSTALLATION



ART_1001301581

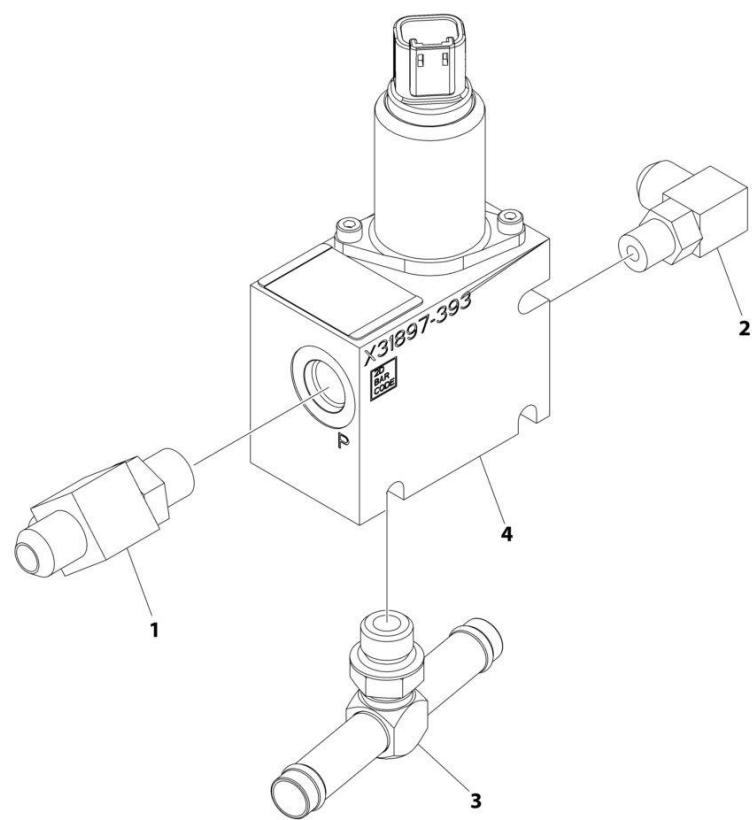
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-3. BRAKE AND STEER VALVES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301581	Ref	BRAKE AND STEER VALVES INSTALLATION	B
1	0700620	2	Bolt M6 x 60	
2	3290605	2	Nut M6	
3	3290805	2	Nut M8	
4	4031912	2	Capscrew M8 x 40	
5	1001270612	1	Steer Select Valve and Fittings Sub-Assembly (See Separate Breakdown in this Section)	
6	1001301572	1	Bracket	
7	1001301580	1	Brake Valve and Fittings Sub-Assembly (See Separate Breakdown in this Section)	

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FIGURE 9-4. BRAKE VALVE AND FITTINGS SUB-ASSEMBLY



ART_1001301580

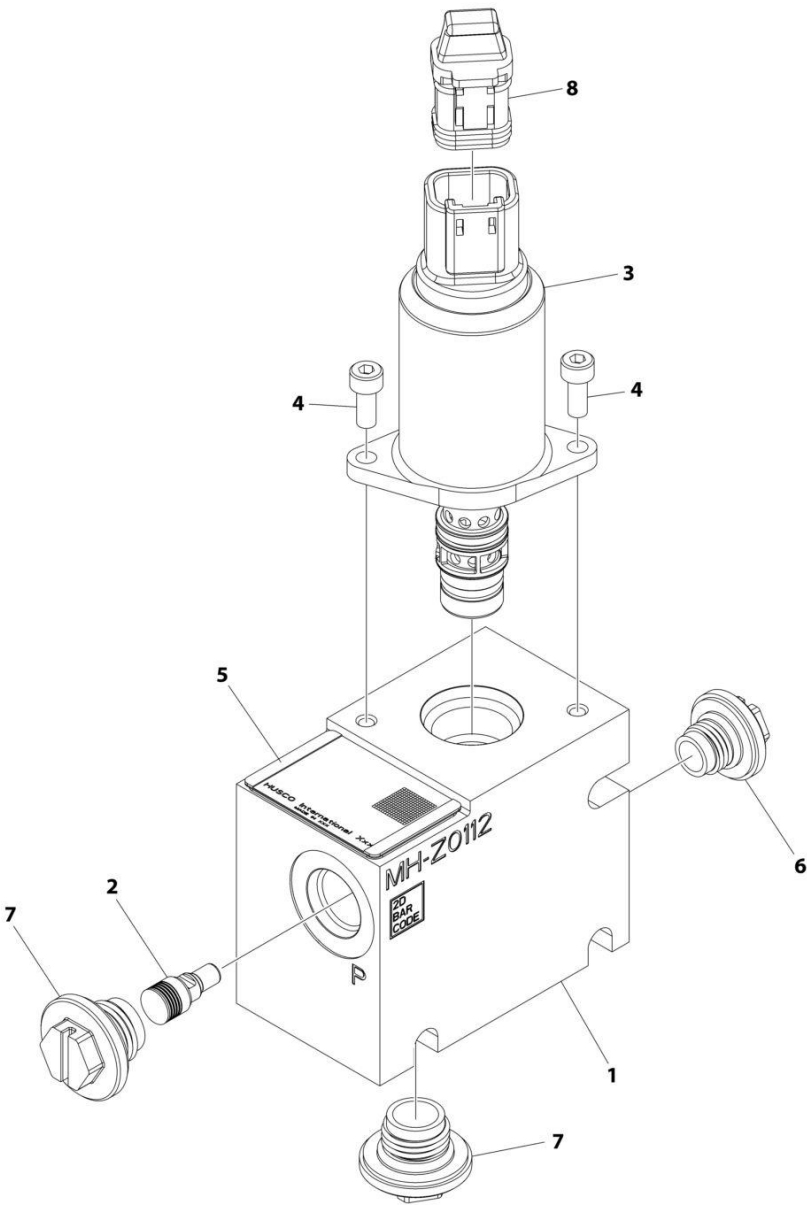
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-4. BRAKE VALVE AND FITTINGS SUB-ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301580	Ref	BRAKE VALVE AND FITTINGS SUB-ASSEMBLY	C
1	2220606	1	Fitting, Tee JIC/FSJIC/JIC	
2	2220775	1	Fitting, 90	
3	1001291404	1	Fitting, BRB/ORB	
4	1001300743	1	Brake Valve Assembly (See Separate Breakdown in this Section)	

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FIGURE 9-5. BRAKE VALVE ASSEMBLY



ART_1001300743

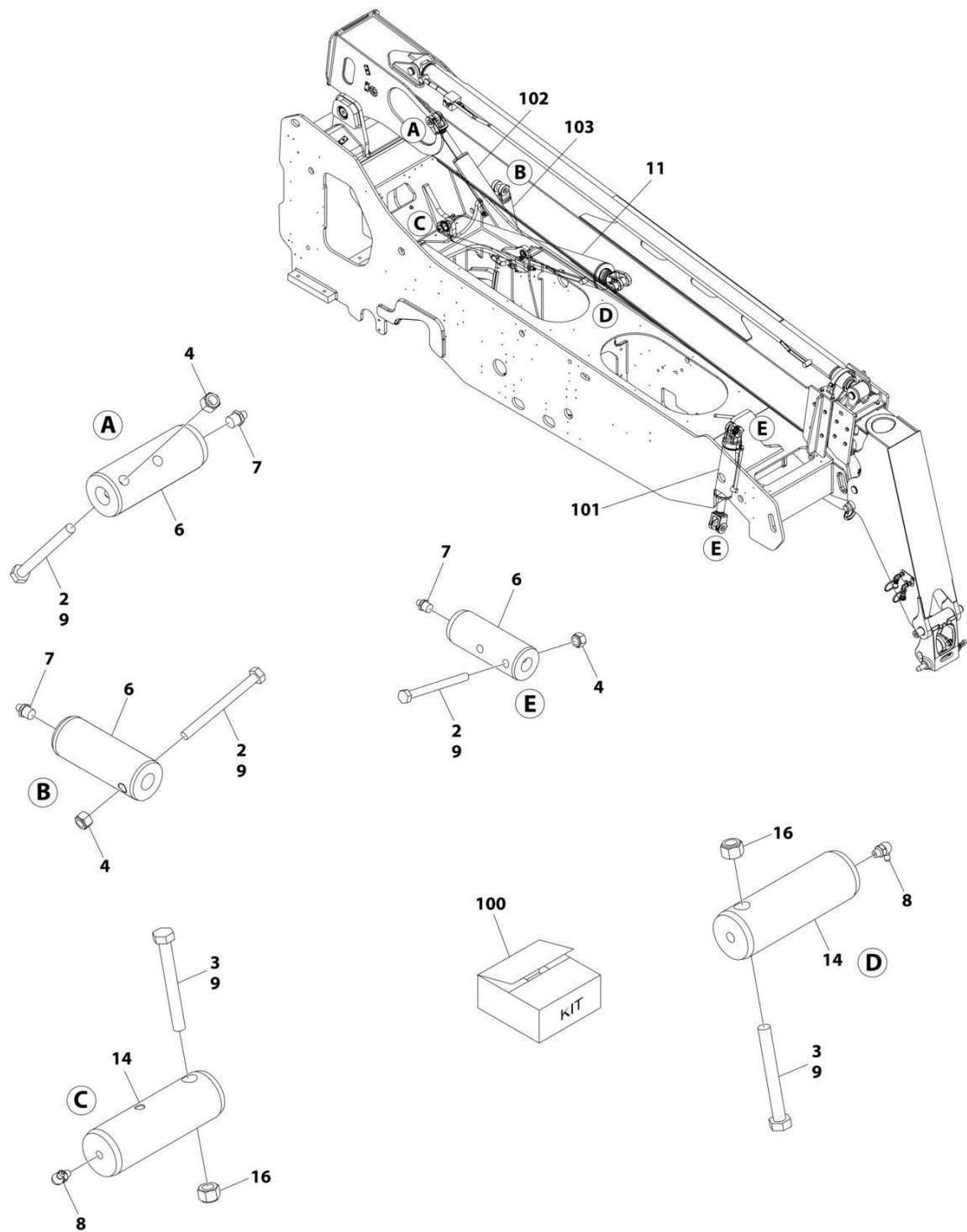
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-5. BRAKE VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001300743	Ref	BRAKE VALVE ASSEMBLY	B
1	See Note	NSS	Block (Note: Not Available for Purchase)	
2	70031511	1	Check Valve	
3	70031512	1	Solenoid, Cartridge Valve	
4	70031513	2	Capscrew	
5	See Note	NSS	Nameplate (Note: Not Available for Purchase)	
6	70031514	1	Plug, Seal	
7	70031515	2	Plug, Seal	
8	70031516	1	Plug, Seal	

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FIGURE 9-6. CYLINDER INSTALLATION



ART_1001282097_F

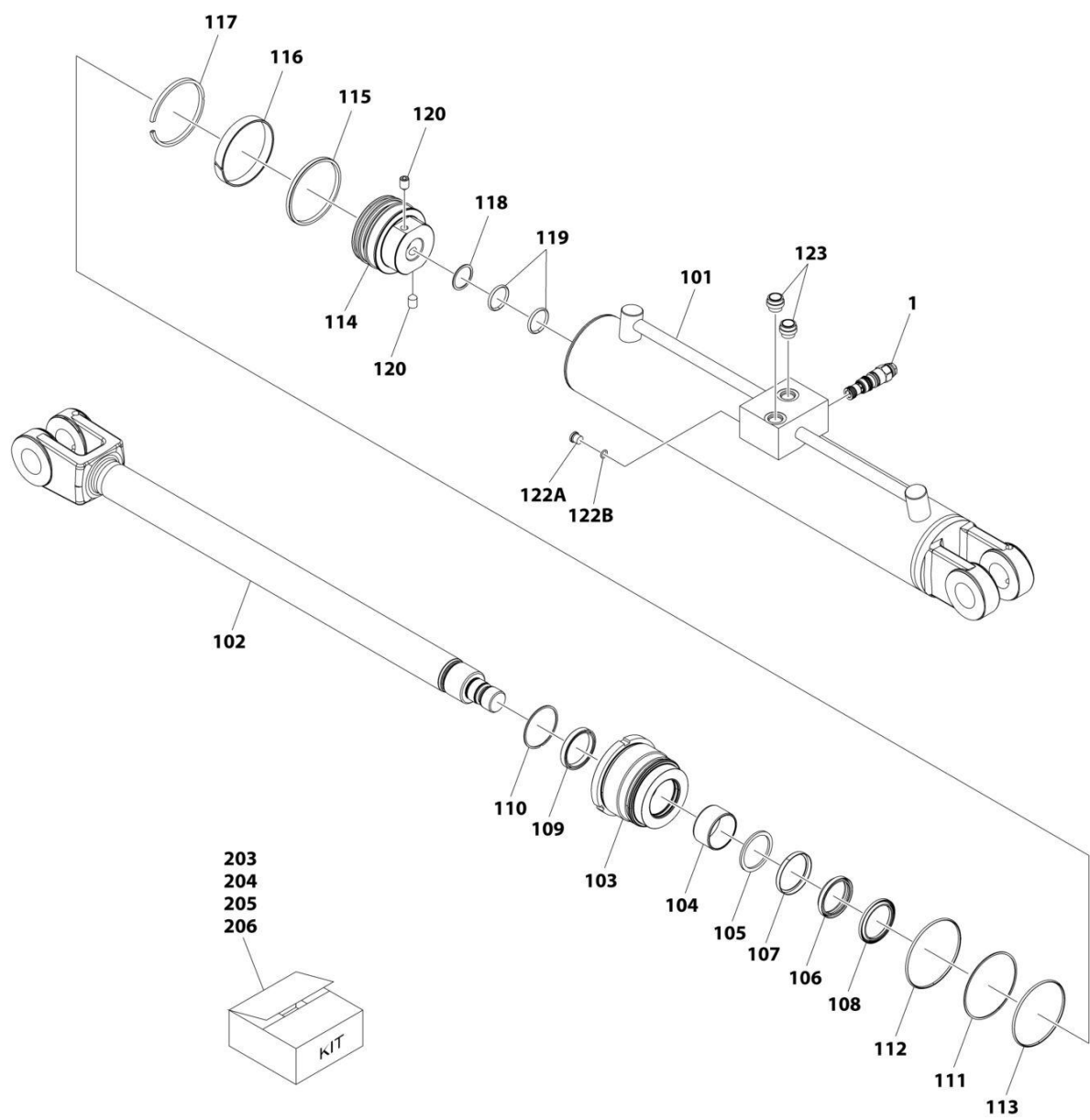
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FIGURE 9-6. CYLINDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001282097	Ref	CYLINDER INSTALLATION	F
2	0700826	6	Bolt M8 x 90	
3	1001310977	2	Bolt M12 x 100	
4	3290805	6	Nut M8	
6	7137142	6	Pin	
7	8520001	6	Fitting, Straight	
8	8520003	2	Fitting, 90	
9	8522012	AR	Lube	
11	1001286331	1	Lift Cylinder Assembly (See Separate Breakdown in this Section)	
14	3423227	2	Pin	
16	3291205	2	Nut M12	
100	1001310076	1	Cylinder Kit	B
101	1001266671	1	Sway Cylinder Assembly (See Separate Breakdown in this Section)	
102	1001286333	1	Compensator Cylinder Assembly (See Separate Breakdown in this Section)	
103	1001286334	1	Stabilizer Cylinder Assembly (See Separate Breakdown in this Section)	

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FIGURE 9-7. CYLINDER - COMP



ART_1001286333

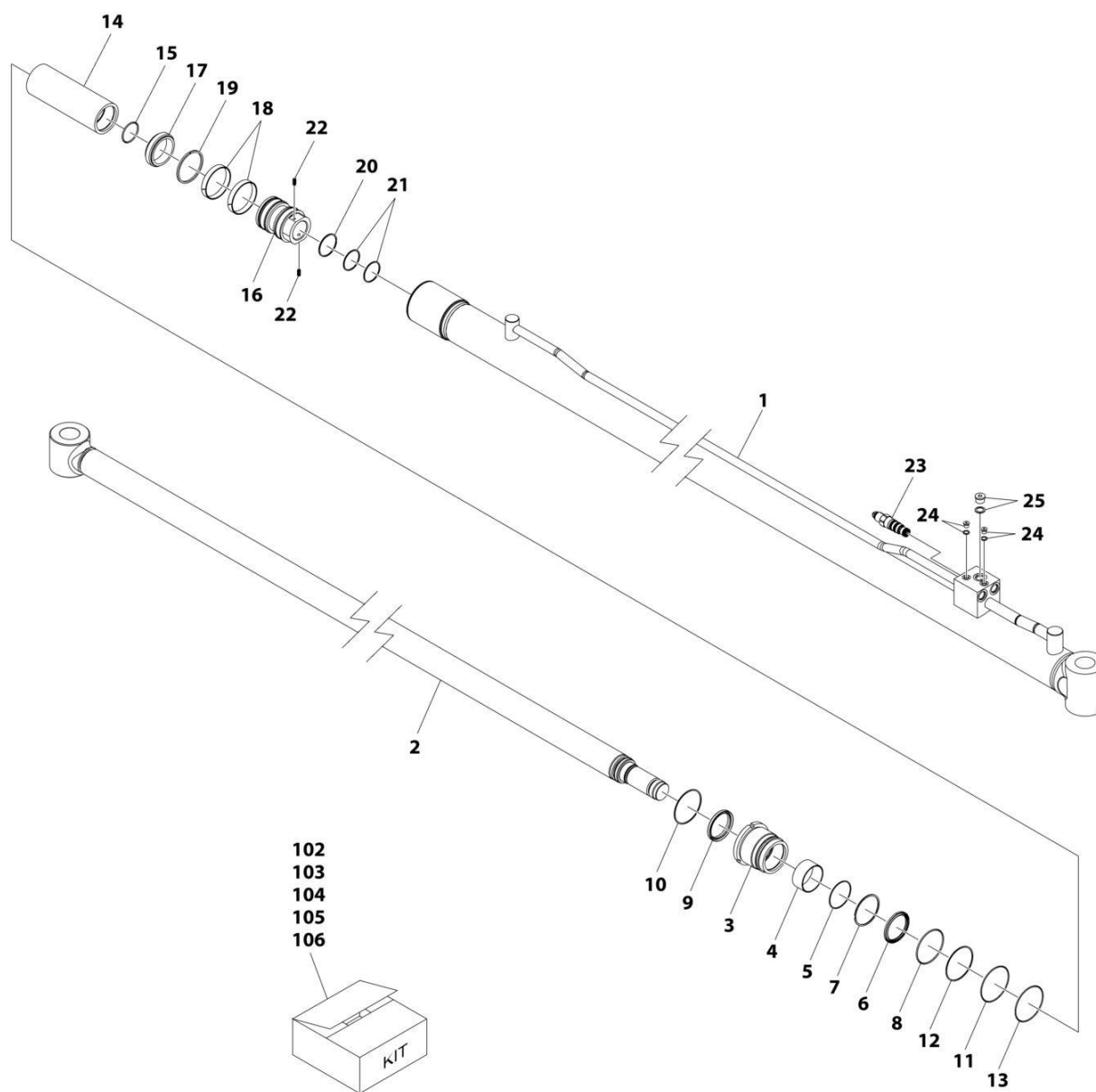
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-7. CYLINDER - COMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286333	Ref	CYLINDER ASSEMBLY	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	1001287287	1	Valve, Anti-Kick	
101	See Note	NSS	Barrel (Note: Use PN 1001286333)	
102	70031471	1	Rod	
103	See Note	NSS	Head (Note: Use Item 203)	
104	See Note	NSS	Bushing (Note: Use Item 203)	
105	See Note	NSS	Ring, Retaining (Note: Use Item 203)	
106	See Note	NSS	Seal (Note: Use Item 204)	
107	See Note	NSS	Seal, Packing (Note: Use Item 204)	
108	See Note	NSS	Ring, Back-up (Note: Use Item 204)	
109	See Note	NSS	Wiper (Note: Use Item 204)	
110	See Note	NSS	Ring, Retaining (Note: Use Item 204)	
111	See Note	NSS	O-Ring (Note: Use Item 204)	
112	See Note	NSS	Ring, Back-up (Note: Use Item 204)	
113	See Note	NSS	O-Ring (Note: Use Item 204)	
114	See Note	NSS	Piston (Note: Use Item 205)	
115	See Note	NSS	Seal (Note: Use Item 204)	
116	See Note	NSS	Ring, Wear (Note: Use Item 204)	
117	See Note	NSS	Ring, Dust (Note: Use Item 204)	
118	See Note	NSS	O-Ring (Note: Use Item 204)	
119	See Note	NSS	Ring, Back-up (Note: Use Item 204)	
120	See Note	NSS	Set Screw (Note: Use Item 205)	
122A	See Note	NSS	Plug (Note: Use Item 206)	
122B	See Note	NSS	O-Ring (Note: Use Item 206)	
123	See Note	NSS	Dust Cap (Note: Not available for purchase)	
203	70031472	1	Rod Cover Kit (Includes items 203-205)	
204	70031172	1	Seal Kit (Includes items 106-113 & 115-119)	
205	70031473	1	Piston Kit (Includes items 114 & 120)	
206	70031349	1	Plug Kit (Includes items 122A, 122B)	

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FIGURE 9-8. CYLINDER - EXTEND/RETRACT



ART_1001282172

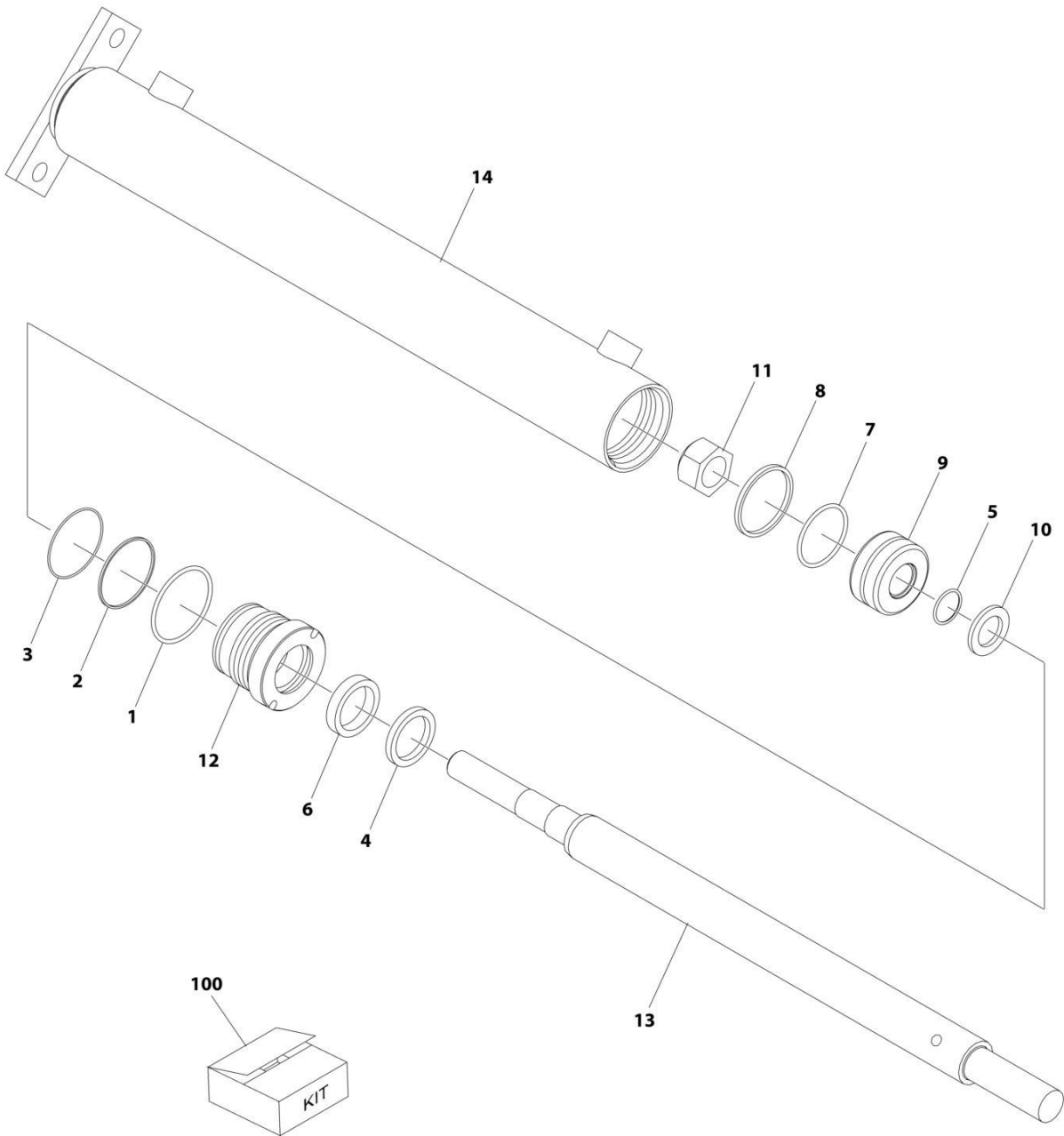
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FIGURE 9-8. CYLINDER - EXTEND/RETRACT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001282172	Ref	CYLINDER ASSEMBLY	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001282172)	
2	See Note	NSS	Rod (Note: Use Item 102)	
3	See Note	NSS	Head (Note: Use Item 103)	
4	See Note	NSS	Bushing (Note: Use Item 103)	
5	See Note	NSS	Ring, Retaining (Note: Use Item 103)	
6	See Note	NSS	Seal (Note: Use Item 104)	
7	See Note	NSS	U-Packing (Note: Use Item 104)	
8	See Note	NSS	Ring, Backup (Note: Use Item 104)	
9	See Note	NSS	Wiper (Note: Use Item 104)	
10	See Note	NSS	Ring, Retaining (Note: Use Item 104)	
11	See Note	NSS	O-Ring (Note: Use Item 104)	
12	See Note	NSS	Ring, Backup (Note: Use Item 104)	
13	See Note	NSS	O-Ring (Note: Use Item 104)	
14	See Note	NSS	Spacer (Note: Use PN 1001282172)	
15	See Note	NSS	Ring, Retaining (Note: Use PN 1001282172)	
16	See Note	NSS	Piston (Note: Use Item 105)	
17	See Note	NSS	Seal (Note: Use Item 104)	
18	See Note	NSS	Ring, Wear (Note: Use Item 104)	
19	See Note	NSS	Ring, Dust (Note: Use Item 104)	
20	See Note	NSS	O-Ring (Note: Use Item 104)	
21	See Note	NSS	Ring, Backup (Note: Use Item 104)	
22	See Note	NSS	Setscrew (Note: Use Item 105)	
23	1001293720	1	Valve, Counterbalance	
24	See Note	NSS	Plug (Note: Use Item 106)	
24	See Note	NSS	O-Ring (Note: Use Item 106)	
25	See Note	NSS	Plug (Note: Use Item 106)	
25	See Note	NSS	O-Ring (Note: Use Item 106)	
102	70031460	1	Kit, Rod (Includes Item 2)	
103	70031461	1	Kit, Head & Bushing (Includes Items 3-5)	
104	70031182	1	Kit, Seal (Includes Items 6-13 & 17-21)	
105	70031184	1	Kit, Piston (Includes Items 16 & 22)	
106	70031462	1	Kit, Plug (Includes Items 24 & 25)	

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FIGURE 9-9. CYLINDER - FORK POSITIONING



ART_2717283

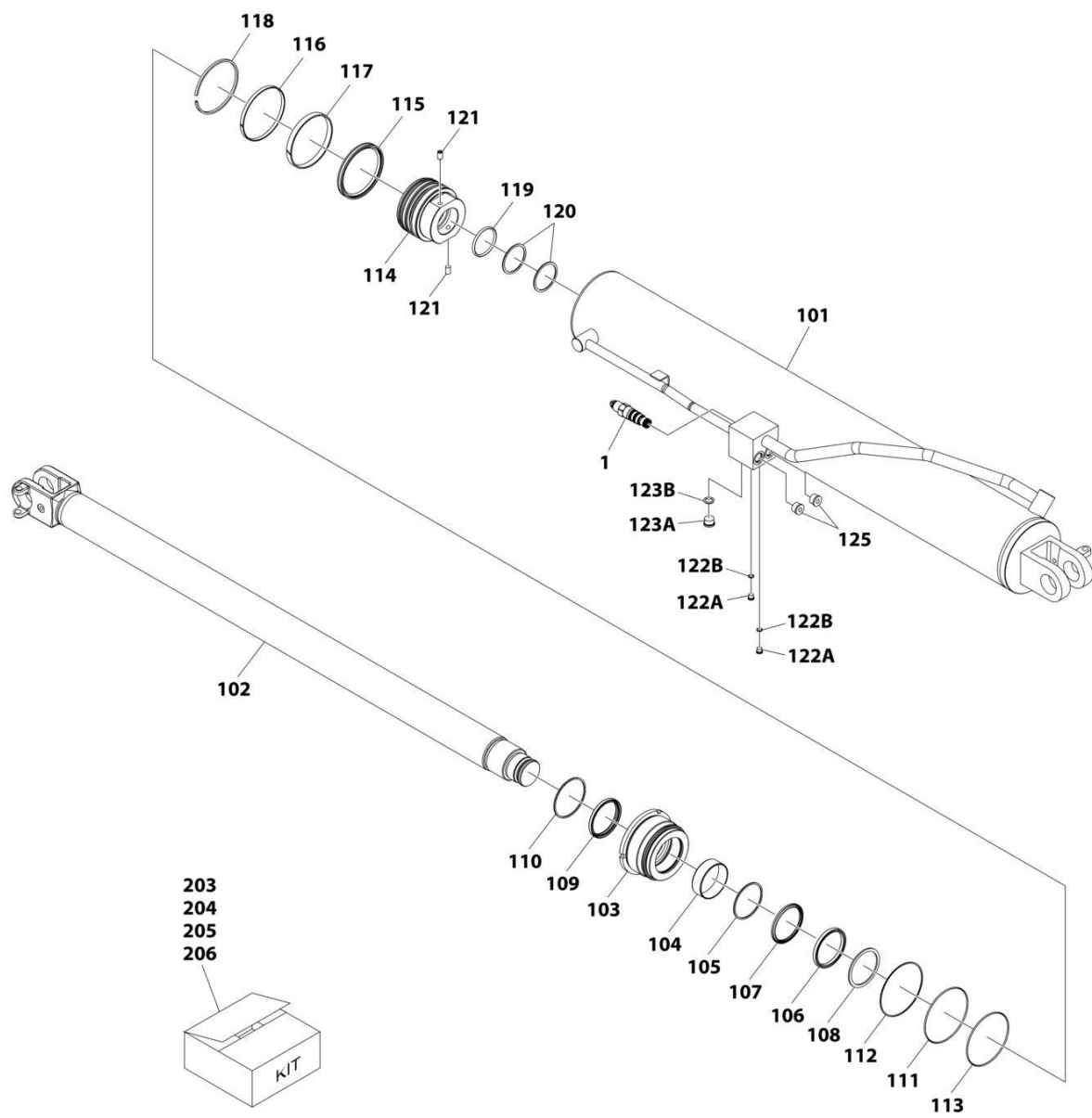
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FIGURE 9-9. CYLINDER - FORK POSITIONING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2717283	Ref	FORK POSITIONING CYLINDER	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	O-Ring (Use Item 100)	
2	See Note	NSS	Ring, Back-up (Use Item 100)	
3	See Note	NSS	O-Ring (Use Item 100)	
4	See Note	NSS	Seal (Use Item 100)	
5	See Note	NSS	O-Ring (Use Item 100)	
6	See Note	NSS	Seal (Use Item 100)	
7	See Note	NSS	O-Ring (Use Item 100)	
8	See Note	NSS	Seal (Use Item 100)	
9	70026771	1	Piston	
10	70026775	1	Washer	
11	70026770	1	Nut	
12	70026774	1	Head	
13	70026773	1	Rod	
14	See Note	NSS	Barrel (Note: Use PN 2717283)	
100	8036733	1	Seal Kit (includes items 1 thru 8)	

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FIGURE 9-10. CYLINDER - LIFT



ART_1001286331

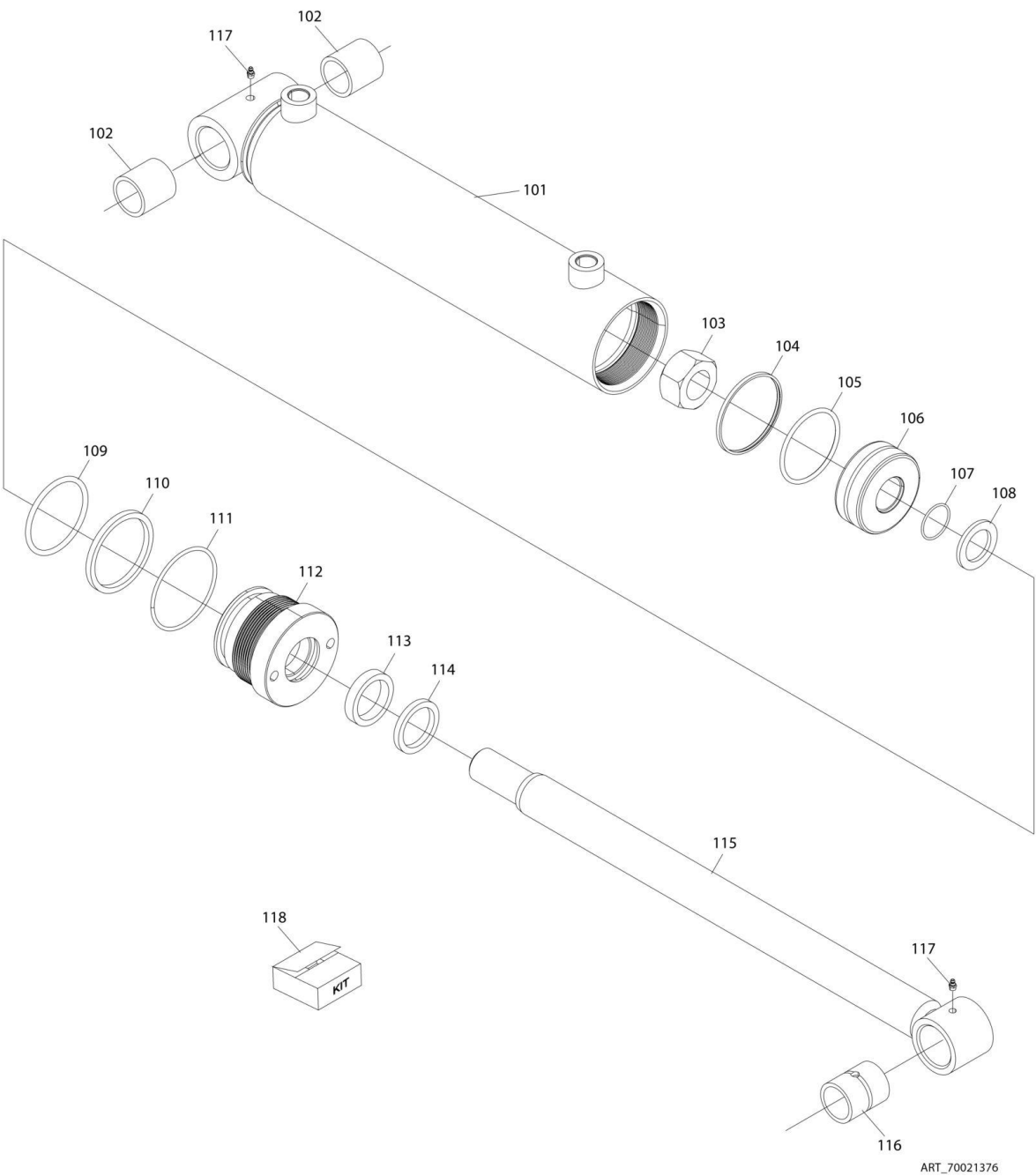
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FIGURE 9-10. CYLINDER - LIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286331	Ref	CYLINDER ASSEMBLY	G
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	1001189888	1	Valve, Counterbalance	
101	See Note	NSS	Barrel (Note: Use PN 1001286331)	
102	70031467	1	Rod	
103	See Note	NSS	Head (Note: Use Item 203)	
104	See Note	NSS	Bushing (Note: Use Item 203)	
105	See Note	NSS	Ring, Retaining (Note: Use Item 203)	
106	See Note	NSS	Seal (Note: Use Item 204)	
107	See Note	NSS	Seal, Packing (Note: Use Item 204)	
108	See Note	NSS	Ring, Back-up (Note: Use Item 204)	
109	See Note	NSS	Wiper (Note: Use Item 204)	
110	See Note	NSS	Ring, Retaining (Note: Use Item 204)	
111	See Note	NSS	O-Ring (Note: Use Item 204)	
112	See Note	NSS	Ring, Back-up (Note: Use Item 204)	
113	See Note	NSS	O-Ring (Note: Use Item 204)	
114	See Note	NSS	Piston (Note: Use Item 205)	
115	See Note	NSS	Seal (Note: Use Item 204)	
116	See Note	NSS	Ring, Wear (Note: Use Item 204)	
117	See Note	NSS	Ring, Wear (Note: Use Item 204)	
118	See Note	NSS	Ring, Dust (Note: Use Item 204)	
119	See Note	NSS	O-Ring (Note: Use Item 204)	
120	See Note	NSS	Ring, Back-up (Note: Use Item 204)	
121	See Note	NSS	Set Screw (Note: Use Item 205)	
122A	See Note	NSS	Plug (Note: Use Item 206)	
122B	See Note	NSS	O-Ring (Note: Use Item 206)	
123A	See Note	NSS	Plug (Note: Use Item 206)	
123B	See Note	NSS	O-Ring (Note: Use Item 206)	
125	See Note	NSS	Dust Cap (Note: Not available for purchase)	
203	70031468	1	Rod Cover Kit (Includes items 103-105)	
204	70031469	1	Seal Kit (Includes items 106-113 & 115-120)	
205	70031470	1	Piston Kit (Includes items 114 & 121)	
206	70031462	1	Plug Kit (Includes items 122A, 122B, 123A & 123B)	

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FIGURE 9-11. CYLINDER - SIDE SHIRT CARRAIGE



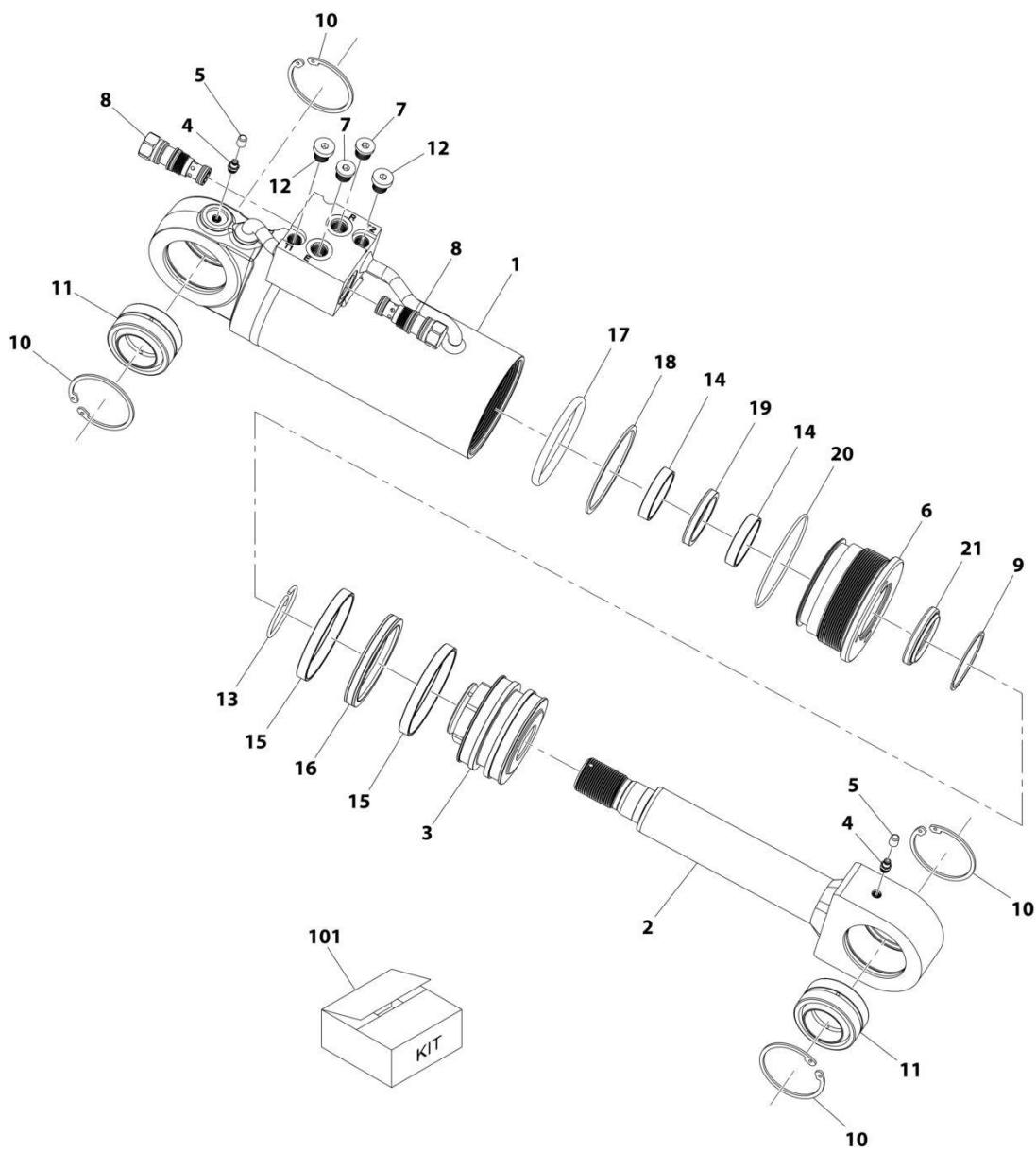
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FIGURE 9-11. CYLINDER - SIDE SHIRT CARRAIGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70021376	1	Cylinder Assembly, Side Shift Carriage 12K	
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
101	See Note	NSS	Barrel (Note: Use PN 70021376)	
102	70021448	2	Bushing	
103	70021440	1	Nut	
104	See Note	NSS	Ring, Piston (Note Use Item 118)	
105	See Note	NSS	O-Ring (Note: Use Item 118)	
106	70021451	1	Piston	
107	See Note	NSS	O-Ring (Note: Use Item 118)	
108	70021444	1	Spacer, Sheave	
109	See Note	NSS	O-Ring (Note: Use Item 118)	
110	See Note	NSS	Washer, Back-Up (Note: Use Item 118)	
111	See Note	NSS	O-Ring (Note: Use Item 118)	
112	70021446	1	Head	
113	See Note	NSS	Seal (Note: Use Item 118)	
114	See Note	NSS	Wiper, Rod (Note: Use Item 118)	
115	70021445	1	Rod	
116	70021447	1	Bushing	
117	90554045	2	Grease Fitting	
118	70021452	1	Seal Kit, (includes items 104, 105, 107, 109, 110, 111, 113 & 114)	

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FIGURE 9-12. CYLINDER - SIDE TILT



ART_1001163414-A

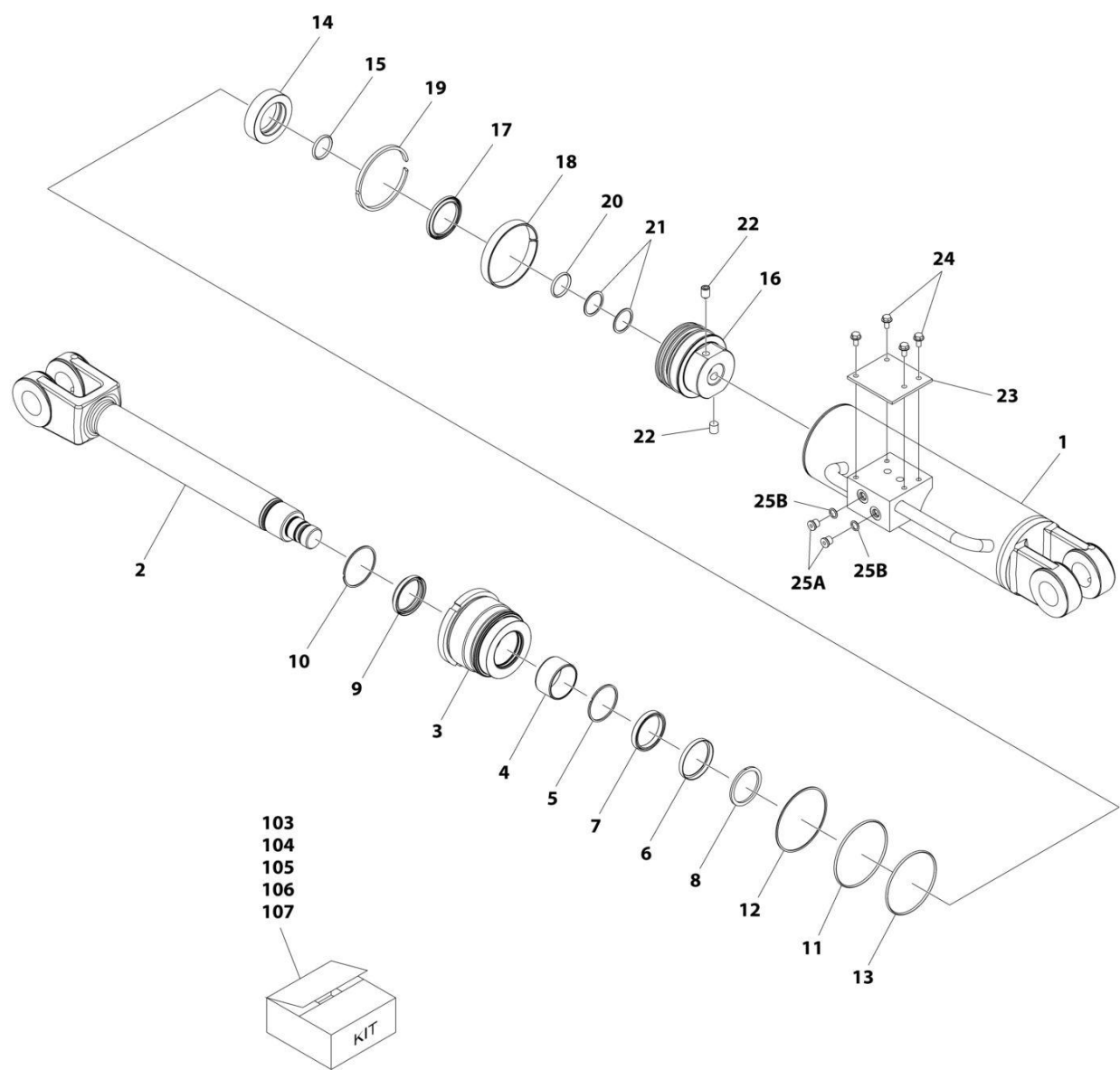
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FIGURE 9-12. CYLINDER - SIDE TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163414	Ref	Side Tilt Cylinder	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70026056	1	Barrel	
2	70026057	1	Rod	
3	70026058	1	Piston	
4	70025606	2	Nipple, Grease	
5	70024020	2	Fitting, Grease	
6	70003849	1	Head	
7	70025959	2	Plug	
8	70026059	2	Valve, Check	
9	70002219	1	Ring, Retaining	
10	70026060	4	Ring, Retaining	
11	70026061	2	Bearing	
12	70024262	2	Plug	
13	70002224	1	Ring, Lock	
14	Kit	NSS	Ring, Rod Bearing (Note: Use Item 101)	
15	Kit	NSS	Ring, Piston Bearing (Note: Use Item 101)	
16	Kit	NSS	Seal, Piston (Note: Use Item 101)	
17	Kit	NSS	O-Ring (Note: Use Item 101)	
18	Kit	NSS	Ring, Back-Up (Note: Use Item 101)	
19	Kit	NSS	Seal, Rod (Note: Use Item 101)	
20	Kit	NSS	O-Ring (Note: Use Item 101)	
21	Kit	NSS	Seal, Wiper (Note: Use Item 101)	
101	70026062	1	Kit, Seal (includes items 14 thru 21)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-13. CYLINDER - STABLIZER



ART_1001286334

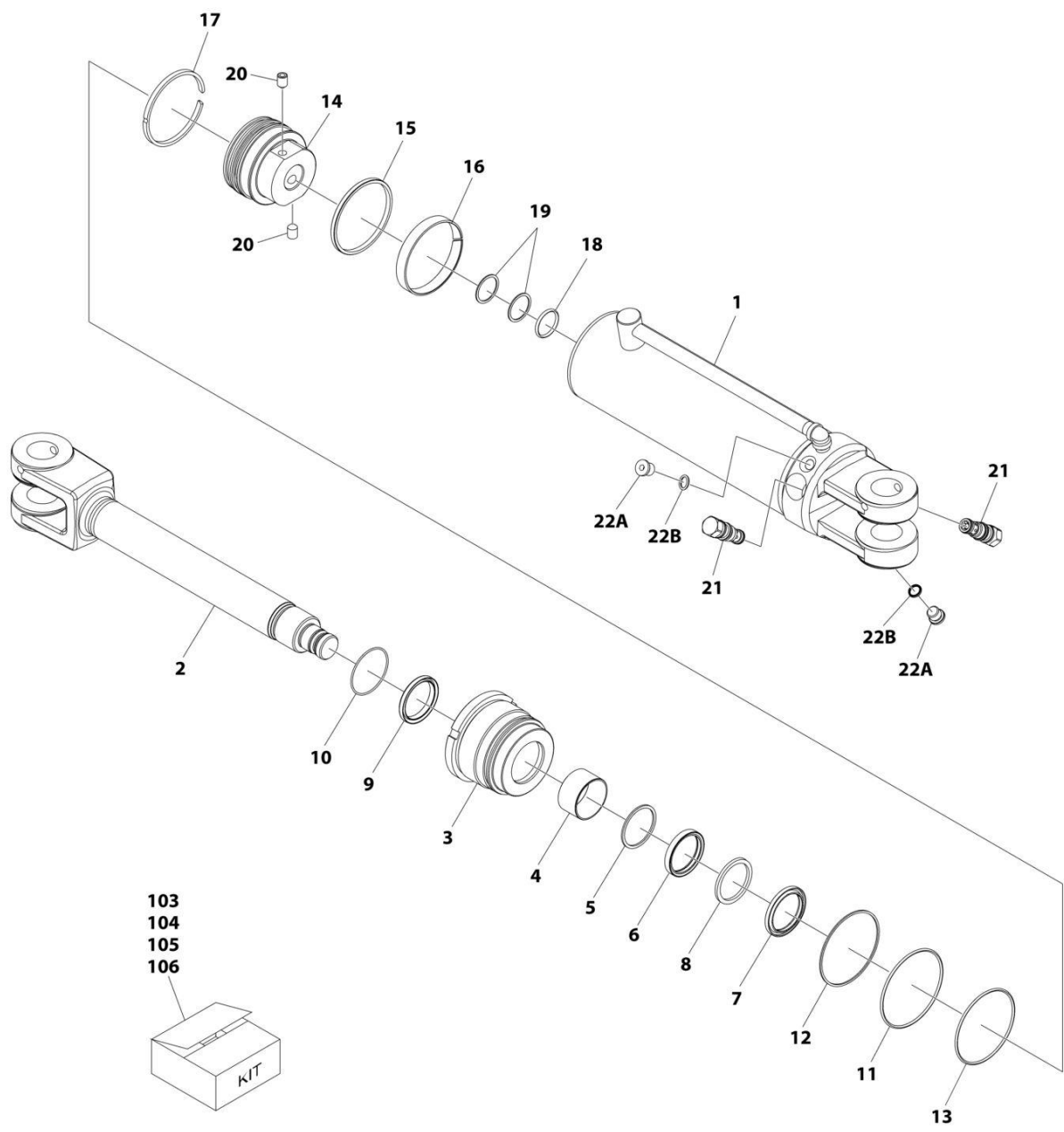
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-13. CYLINDER - STABILIZER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286334	Ref	CYLINDER ASSEMBLY	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001286334)	
2	70031517	1	Rod	
3	See Note	NSS	Head (Note: Use Item 103)	
4	See Note	NSS	Bushing (Note: Use Item 103)	
5	See Note	NSS	Ring, Retaining (Note: Use Item 103)	
6	See Note	NSS	Seal (Note: Use Item 104)	
7	See Note	NSS	Seal, Packing (Note: Use Item 104)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 104)	
9	See Note	NSS	Wiper (Note: Use Item 104)	
10	See Note	NSS	Ring, Retaining (Note: Use Item 104)	
11	See Note	NSS	O-Ring (Note: Use Item 104)	
12	See Note	NSS	Ring, Back-up (Note: Use Item 104)	
13	See Note	NSS	O-Ring (Note: Use Item 104)	
14	See Note	NSS	Spacer (Note: Use Item 107)	
15	See Note	NSS	O-Ring (Note: Use Item 107)	
16	See Note	NSS	Piston (Note: Use Item 105)	
17	See Note	NSS	Seal (Note: Use Item 104)	
18	See Note	NSS	Ring, Wear (Note: Use Item 104)	
19	See Note	NSS	Ring, Dust (Note: Use Item 104)	
20	See Note	NSS	O-Ring (Note: Use Item 104)	
21	See Note	NSS	Ring, Back-up (Note: Use Item 104)	
22	See Note	NSS	Set Screw (Note: Use Item 105)	
23	See Note	NSS	Cover, Dust (Note: Use PN 1001286334)	
24	See Note	NSS	Bolt, Hex (Note: Use PN 1001286334)	
25A	See Note	NSS	Plug (Note: Use Item 106)	
25B	See Note	NSS	O-Ring (Note: Use Item 106)	
103	70031176	1	Rod Cover Kit (Head Kit) (Includes Items 3-5)	
104	70031172	1	Seal Kit (Includes Items 6-13 & 17-21)	
105	70031178	1	Piston Kit (Includes Items 16 & 22)	
106	70031174	1	Plug Kit (Includes Items 25A & 25B)	
107	70031520	1	Spacer Kit (Includes Items 14 & 15)	

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FIGURE 9-14. CYLINDER - SWAY



ART_1001266671

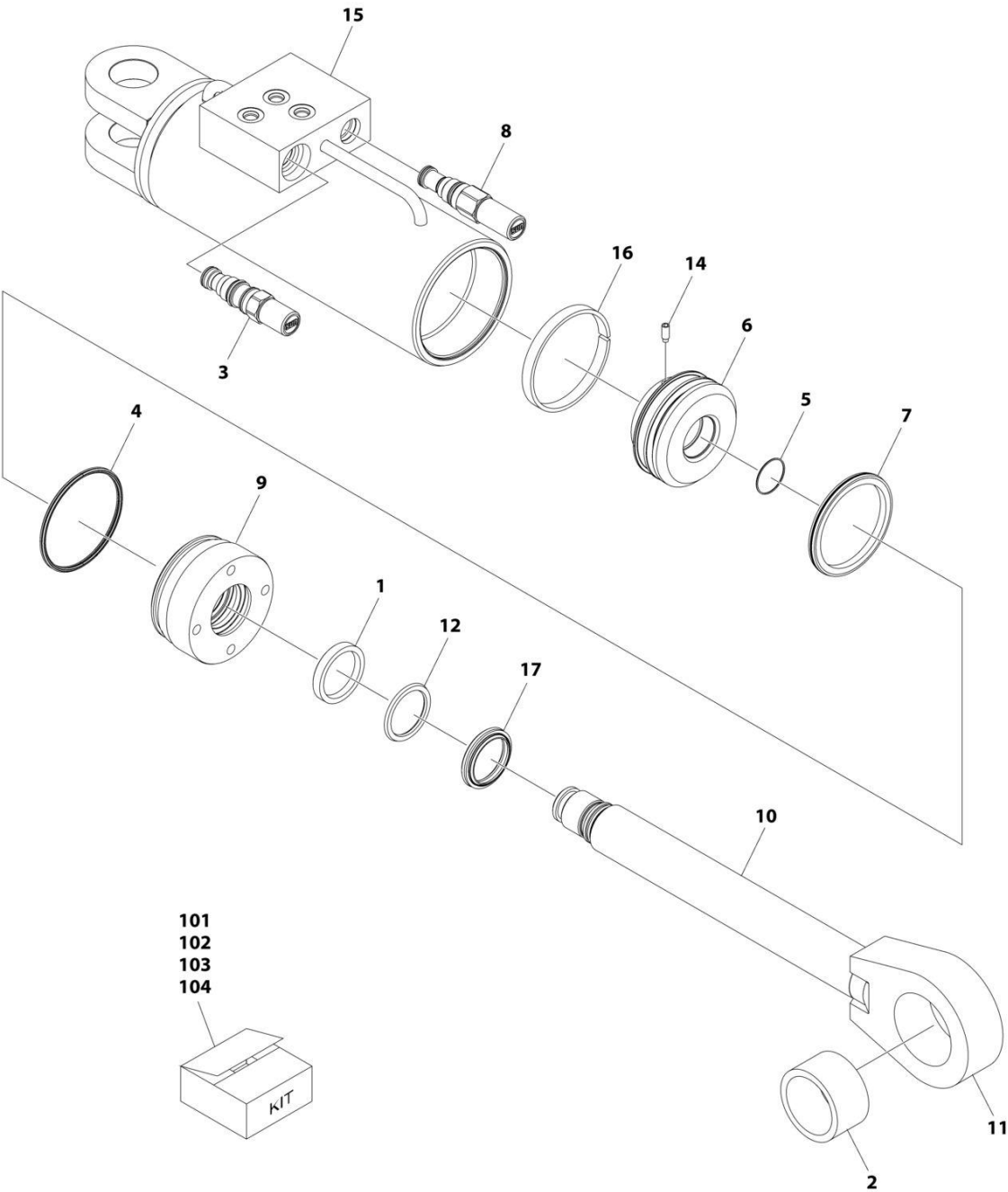
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-14. CYLINDER - SWAY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266671	Ref	CYLINDER ASSEMBLY	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001266671)	
2	70031170	1	Rod	
3	See Note	NSS	Head (Note: Use Item 103)	
4	See Note	NSS	Bushing (Note: Use Item 103)	
5	See Note	NSS	Ring, Retaining (Note: Use Item 103)	
6	See Note	NSS	Seal (Note: Use Item 104)	
7	See Note	NSS	Seal, Packing (Note: Use Item 104)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 104)	
9	See Note	NSS	Wiper (Note: Use Item 104)	
10	See Note	NSS	Ring, Retaining (Note: Use Item 104)	
11	See Note	NSS	O-Ring (Note: Use Item 104)	
12	See Note	NSS	Ring, Back-up (Note: Use Item 104)	
13	See Note	NSS	O-Ring (Note: Use Item 104)	
14	See Note	NSS	Piston (Note: Use Item 105)	
15	See Note	NSS	Seal (Note: Use Item 104)	
16	See Note	NSS	Ring, Wear (Note: Use Item 104)	
17	See Note	NSS	Ring, Dust (Note: Use Item 104)	
18	See Note	NSS	O-Ring (Note: Use Item 104)	
19	See Note	NSS	Ring, Back-up (Note: Use Item 104)	
20	See Note	NSS	Set Screw (Note: Use Item 105)	
21	70031169	2	Cartridge, Counterbalance Valve	
22A	See Note	NSS	Plug (Note: Use Item 106)	
22B	See Note	NSS	O-Ring (Note: Use Item 106)	
103	70031171	1	Rod Cover Kit (Head Kit) (Includes Items 3-5)	
104	70031172	1	Seal Kit (Includes Items 6-13 & 15-19)	
105	70031173	1	Piston Kit (Includes Items 14 & 20)	
106	70031174	1	Plug Kit (Includes Items 22A & 22B)	

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FIGURE 9-15. CYLINDER - SWING CARRIAGE



ART_1001293182

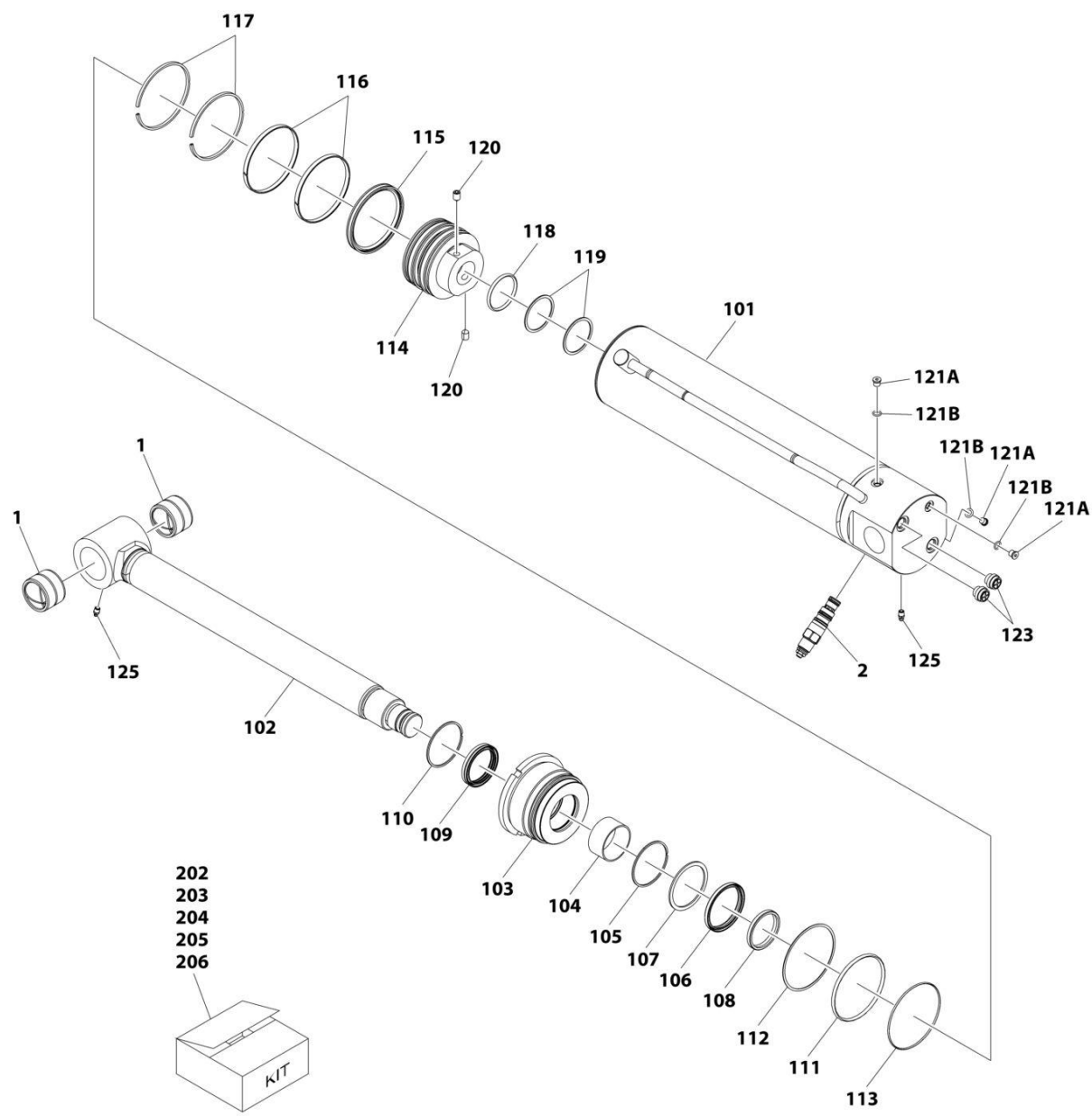
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FIGURE 9-15. CYLINDER - SWING CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001293182	Ref	SWING CARRIAGR CYLINDER	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Ring, Buffer (Note: Use Item 101 or 102)	
2	70031329	1	Bushing (Note: Use Item 104)	
3	8033786	1	Valve, Counterbalance	
4	See Note	NSS	Seal, Head (Note: Use Item 101 or 102)	
5	See Note	NSS	O-Ring (Note: Use Item 101)	
6	See Note	NSS	Piston (Note: Use Item 103)	
7	See Note	NSS	Seal, Piston (Note: Use Item 101 or 103)	
8	8902842	1	Valve, Relief	
9	See Note	NSS	Retainer (Note: Use Item 102)	
10	See Note	NSS	Rod (Note: Use Item 104)	
11	See Note	NSS	Rod End (Note: Use Item 104)	
12	See Note	NSS	Seal, Rod (Note: Use Item 101 or 102)	
14	See Note	NSS	Setscrew (Note: Use Item 103)	
15	See Note	NSS	Shell Assembly (Note: No Service Parts Available)	
16	See Note	NSS	Ring, Wear (Note: Use Items 101 or 103)	
17	See Note	NSS	Wiper (Note: Use Items 101 or 102)	
101	70031325	1	Seal Kit (Includes Items # 1, 4-5, 7, 12, 16 & 17)	
102	70031326	1	Retainer Kit (Includes Items # 1, 4, 9, 12 & 17)	
103	70031327	1	Piston Kit (Includes Items # 6-7, 14 & 16)	
104	70031328	1	Rod Service Kit (Includes Items # 2 & 10-11)	

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FIGURE 9-16. CYLINDER - TILT



ART_1001286332

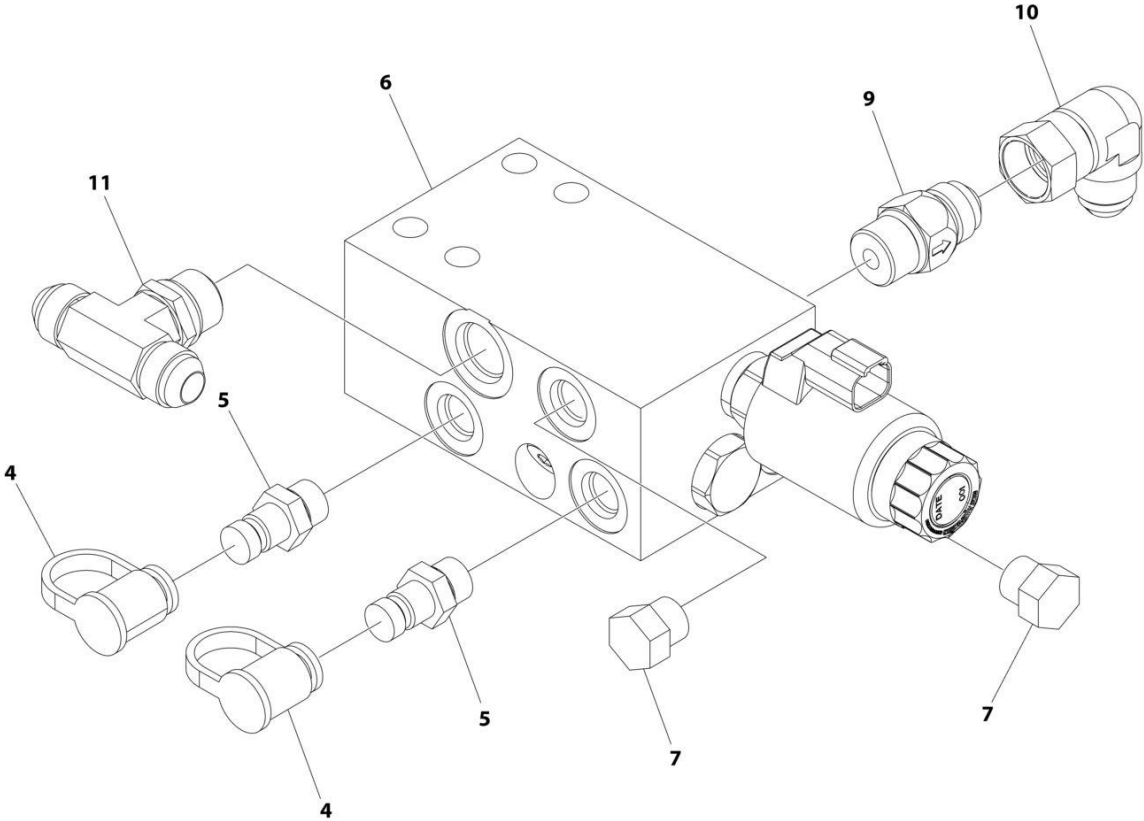
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-16. CYLINDER - TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286332	Ref	CYLINDER ASSEMBLY	F
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	7089722	2	Bushing	
2	1001189888	1	Valve, Counterbalance	
101	See Note	NSS	Barrel (Note: Use PN 1001286332)	
102	See Note	NSS	Rod (Note: Use Item 202)	
103	See Note	NSS	Head (Note: Use Item 203)	
104	See Note	NSS	Bushing (Note: Use Item 203)	
105	See Note	NSS	Ring, Retaining (Note: Use Item 203)	
106	See Note	NSS	Seal (Note: Use Item 204)	
107	See Note	NSS	Seal, Packing (Note: Use Item 204)	
108	See Note	NSS	Ring, Back-up (Note: Use Item 204)	
109	See Note	NSS	Wiper (Note: Use Item 204)	
110	See Note	NSS	Ring, Retaining (Note: Use Item 204)	
111	See Note	NSS	O-Ring (Note: Use Item 204)	
112	See Note	NSS	Ring, Back-up (Note: Use Item 204)	
113	See Note	NSS	O-Ring (Note: Use Item 204)	
114	See Note	NSS	Piston (Note: Use Item 205)	
115	See Note	NSS	Seal (Note: Use Item 204)	
116	See Note	NSS	Ring, Wear (Note: Use Item 204)	
117	See Note	NSS	Ring, Dust (Note: Use Item 204)	
118	See Note	NSS	O-Ring (Note: Use Item 204)	
119	See Note	NSS	Ring, Back-up (Note: Use Item 204)	
120	See Note	NSS	Set Screw (Note: Use Item 205)	
121A	See Note	NSS	Plug (Note: Use Item 206)	
121B	See Note	NSS	O-Ring (Note: Use Item 206)	
123	See Note	NSS	Dust Cap (Note: Not available for purchase)	
125	See Note	NSS	Grease Nipple (Note: Use Item 202)	
202	70031463	1	Rod Assembly Kit (Includes items 102 & 125)	
203	70031464	1	Rod Cover Kit (Includes items 203-205)	
204	70031465	1	Seal Kit (Includes items 106-113 & 115-119)	
205	70031476	1	Piston Kit (Includes items 114 & 120)	
206	70007895	1	Plug Kit (Includes items 122A, 122B)	

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FIGURE 9-17. DIVERTER VALVE ASSEMBLY



ART_1001270650

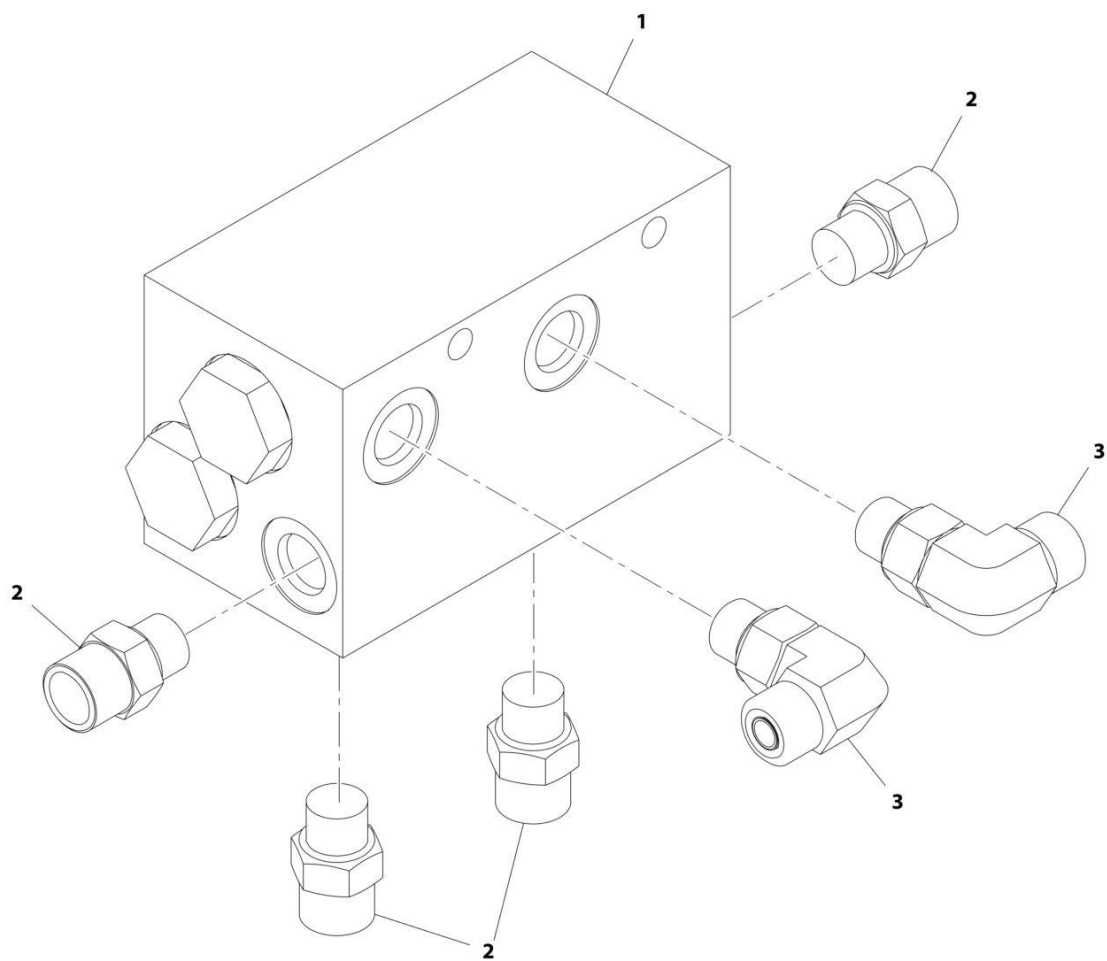
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FIGURE 9-17. DIVERTER VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270650	Ref	DIVERTER VALVE ASSEMBLY	D
4	8430032	2	Plug, Dust Cap	
5	1001003590	2	Fitting, Straight	
6	1001286962	1	Valve	
6	70031253	1	Directional Valve (Cartridge Only)	
6	70031257	1	Seal Kit - Cartridge	
6	70031256	1	Directional Valve (Coil Only)	
6	70031254	1	Flow Control Valve	
6	2900770	1	Seal Kit - Control Valve	
6	70024072	1	O-Ring	
6	70031255	1	Plug	
7	2220237	2	Plug	
9	4640744	1	Fitting, Check Valve	
10	8765204	1	Fitting, 90	
11	2220999	1	Fitting, Tee JIC/ORB/JIC	

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FIGURE 9-18. DUAL FORK CARRIAGE VALVE ASSEMBLY



ART_4641502-B

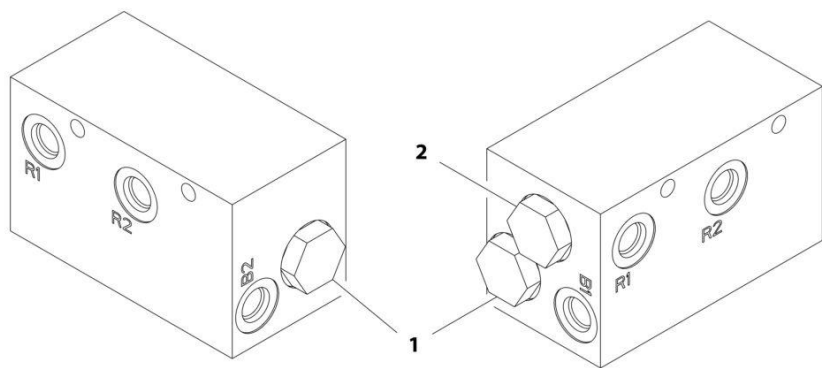
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FIGURE 9-18. DUAL FORK CARRIAGE VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4641502	Ref	Dual Fork Carriage Valve Assembly	B
1	4641501	1	Valve, Flow Divider (See Separate Breakdown in this Section)	
2	2110606	4	Fitting, Straight ORFS	
3	2130606	2	Fitting, 90	

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FIGURE 9-19. FLOW DIVIDER VALVE



ART_4641501-A

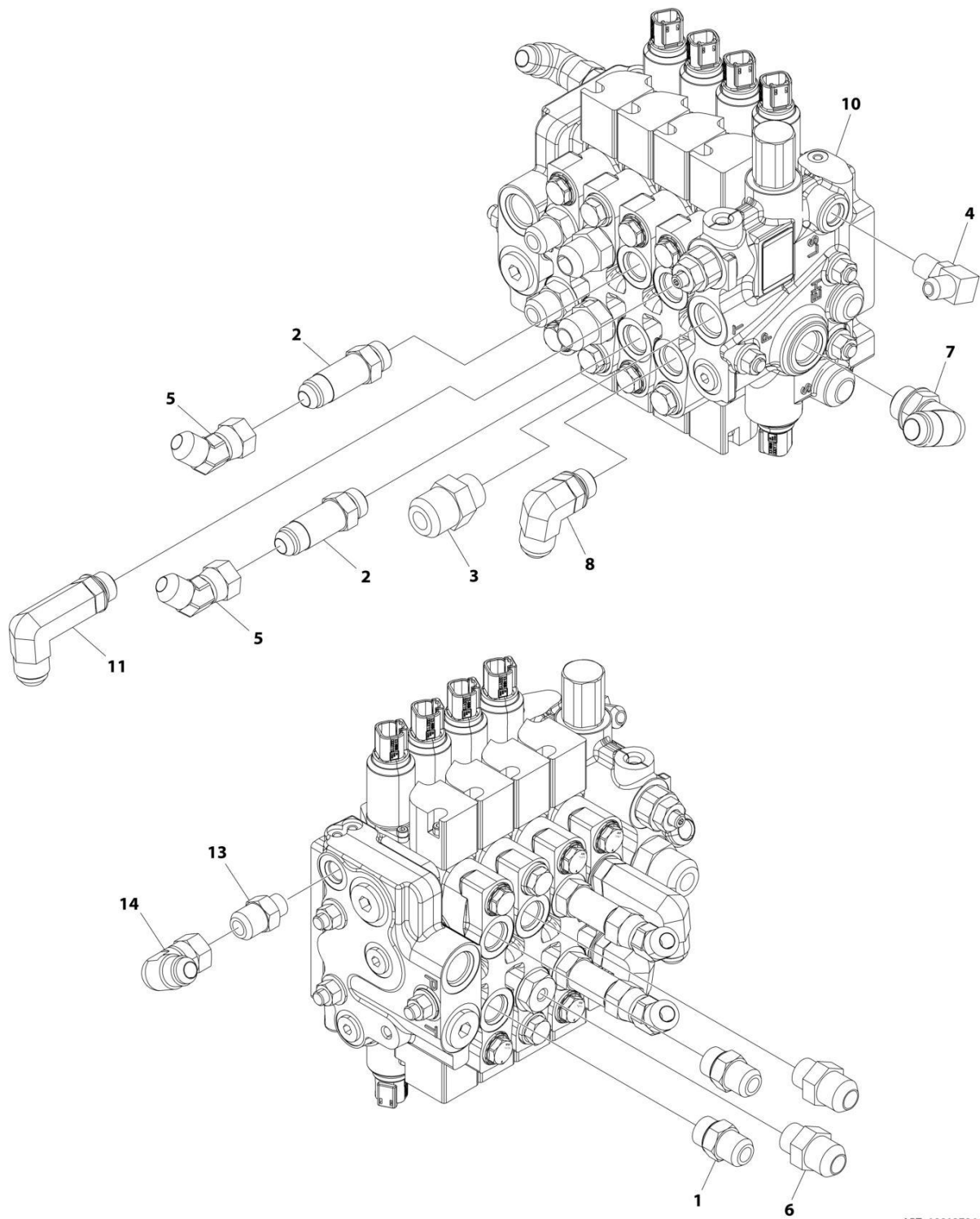
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FIGURE 9-19. FLOW DIVIDER VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4641501	Ref	Flow Divider Valve	A
1	70023928	2	Valve, Check	
2	70023929	1	Valve, Cartridge	

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FIGURE 9-20. MAIN CONTROL VALVE AND FITTINGS SUB-ASSEMBLY



ART_1001270646

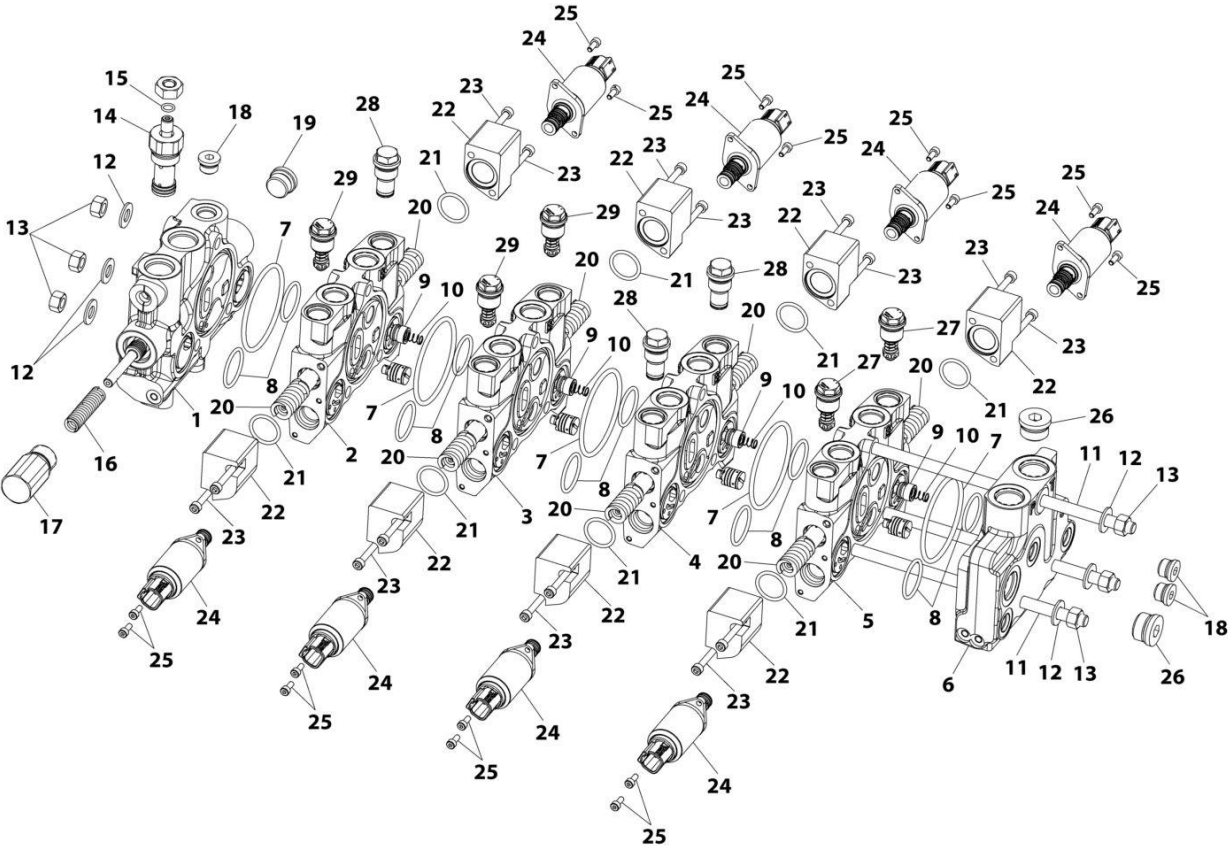
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FIGURE 9-20. MAIN CONTROL VALVE AND FITTINGS SUB-ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270646	Ref	MAIN CONTROL VALVE AND FITTINGS SUB-ASSEMBLY	F
1	2220373	2	Fitting, Straight JIC/ORB	
2	2220381	2	Fitting, Straight JIC/ORB	
3	2220408	1	Fitting, Straight JIC/ORB	
4	2220473	1	Fitting, 90 JIC/ORB	
5	2220683	2	Fitting, 45 JIC/ORB	
6	2220852	2	Fitting, Straight JIC/ORB	
7	2221036	1	Fitting, 90 JIC/ORB	
8	2221042	1	Fitting, 90 JIC/ORB	
10	1001270828	1	Main Control Valve Assembly (See Separate Breakdown in this Section)	
11	1001272296	1	Fitting, 90 JIC/ORB	
13	2220600	1	Fitting, Straight ORB	
14	8765204	1	Fitting, 90 JIC/FSJIC	

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FIGURE 9-21. MAIN CONTROL VALVE ASSEMBLY



ART_1001270828

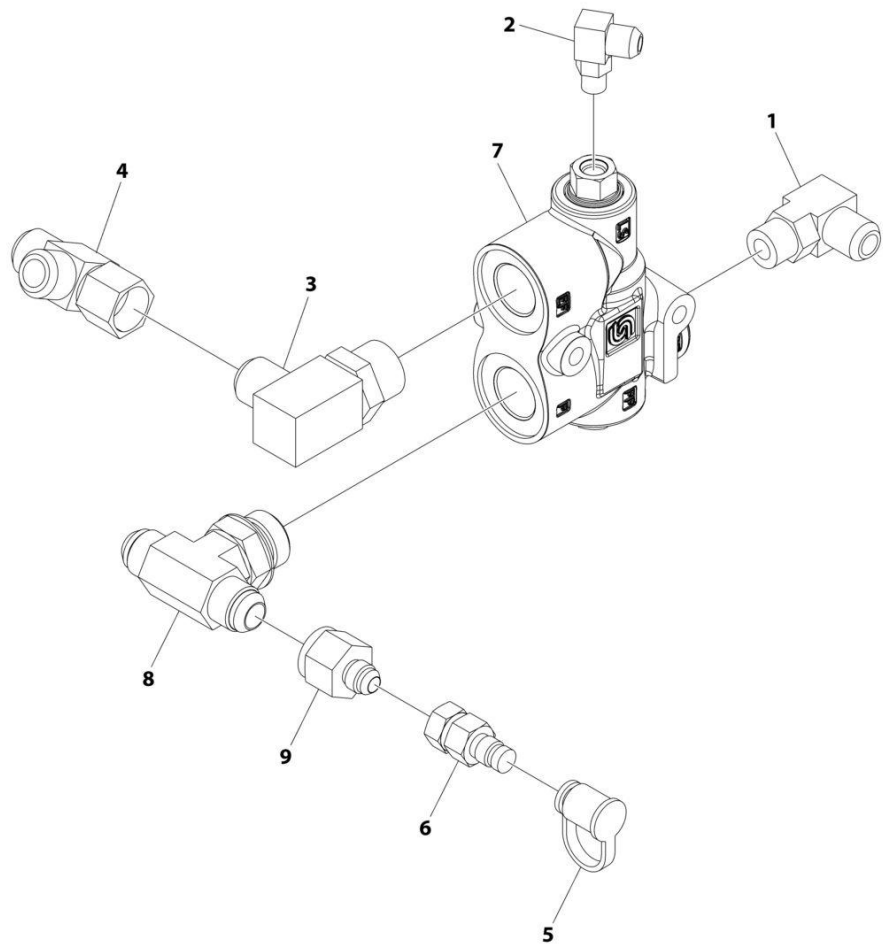
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FIGURE 9-21. MAIN CONTROL VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270828	Ref	MAIN CONTROL VALVE	C
1	70031218	1	Inlet Section Assembly	
2	70031219	1	Spool Section Assembly	
3	70031220	1	Spool Section Assembly	
4	70031221	1	Spool Section Assembly	
5	70031222	1	Spool Section Assembly	
6	70031223	1	Outlet Section Assembly	
7	70031224	5	O-Ring	
8	70030013	10	O-Ring	
9	10837929	4	Poppet, CV	
10	10837937	4	Spring	
11	70031225	3	Tie Rod	
12	70031226	6	Washer	
13	8035346	6	Nut	
14	70028286	1	Drain Regulator Assembly	
15	70031227	1	Seal Kit	
16	70031228	1	Spring	
17	70031229	1	Plug	
18	70050475	3	Plug	
19	8035382	1	Plug	
20	70031230	8	Spring	
21	70031231	8	O-Ring	
22	70031232	8	End Cap	
23	70026658	16	Bolt	
24	70029874	8	Solenoid-Cartridge Valve	
25	70022014	16	Bolt	
26	70026653	2	Plug	
27	70031233	2	Relief Valve Assembly	
28	70031234	3	Shut-Off Plug	
29	70031235	3	Relief Valve Assembly	

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FIGURE 9-22. PRIORITY VALVE ASSEMBLY



ART_1001289948

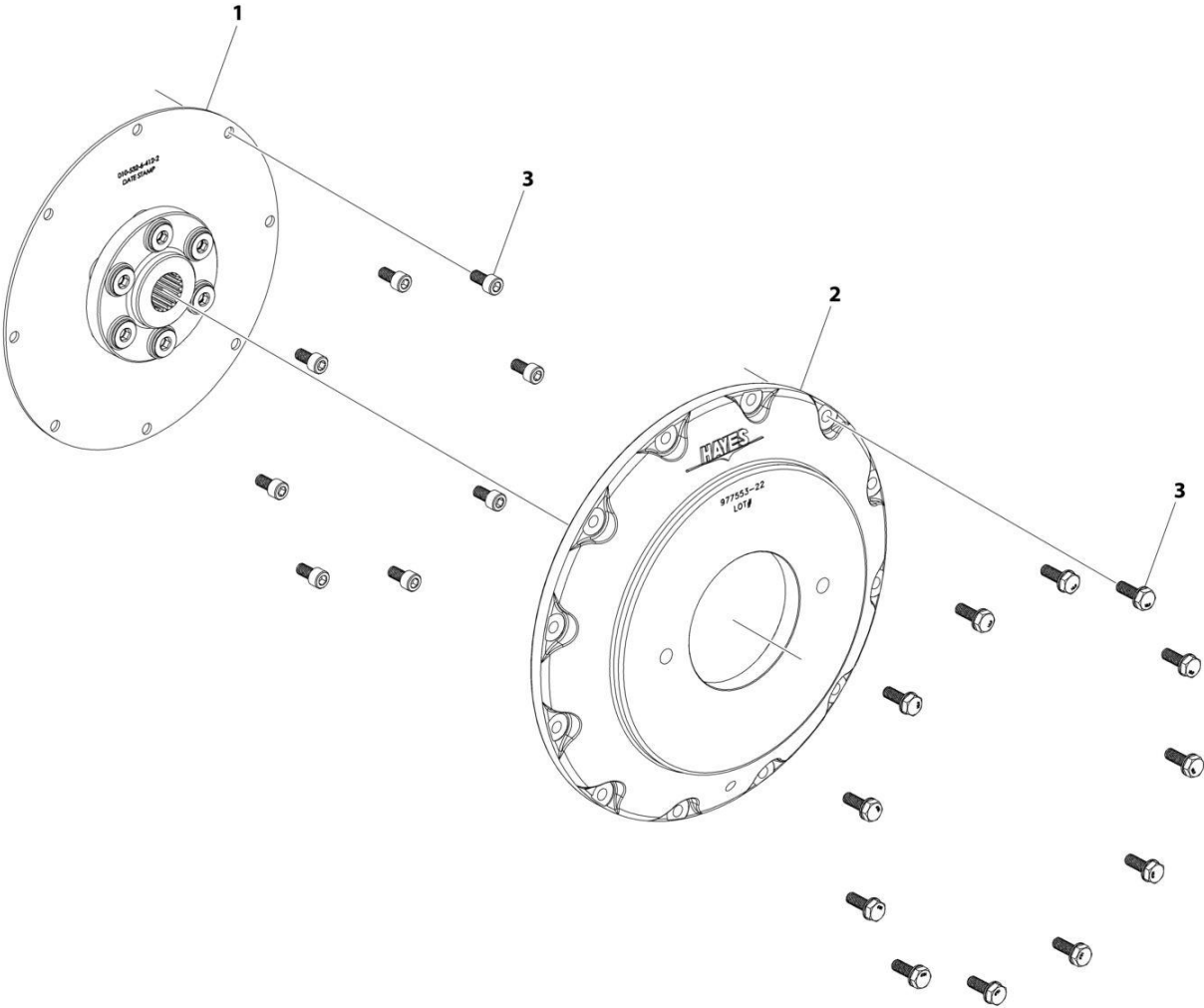
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FIGURE 9-22. PRIORITY VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001289948	Ref	PRIORITY VALVE ASSEMBLY	B
1	2220596	1	Fitting, 90	
2	2220775	1	Fitting, 90	
3	2220906	1	Fitting, 90	
4	2220948	1	Fitting, Tee	
5	8430032	1	Plug, Dust Cap	
6	8430046	1	Fitting, Straight	
7	1001270682	1	Valve, Priority	
8	1001273098	1	Fitting, Tee JIC/ORB/JIC	
9	2220620	1	Fitting, Straight	

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FIGURE 9-23. PUMP MOUNTING KIT



ART_1001268480

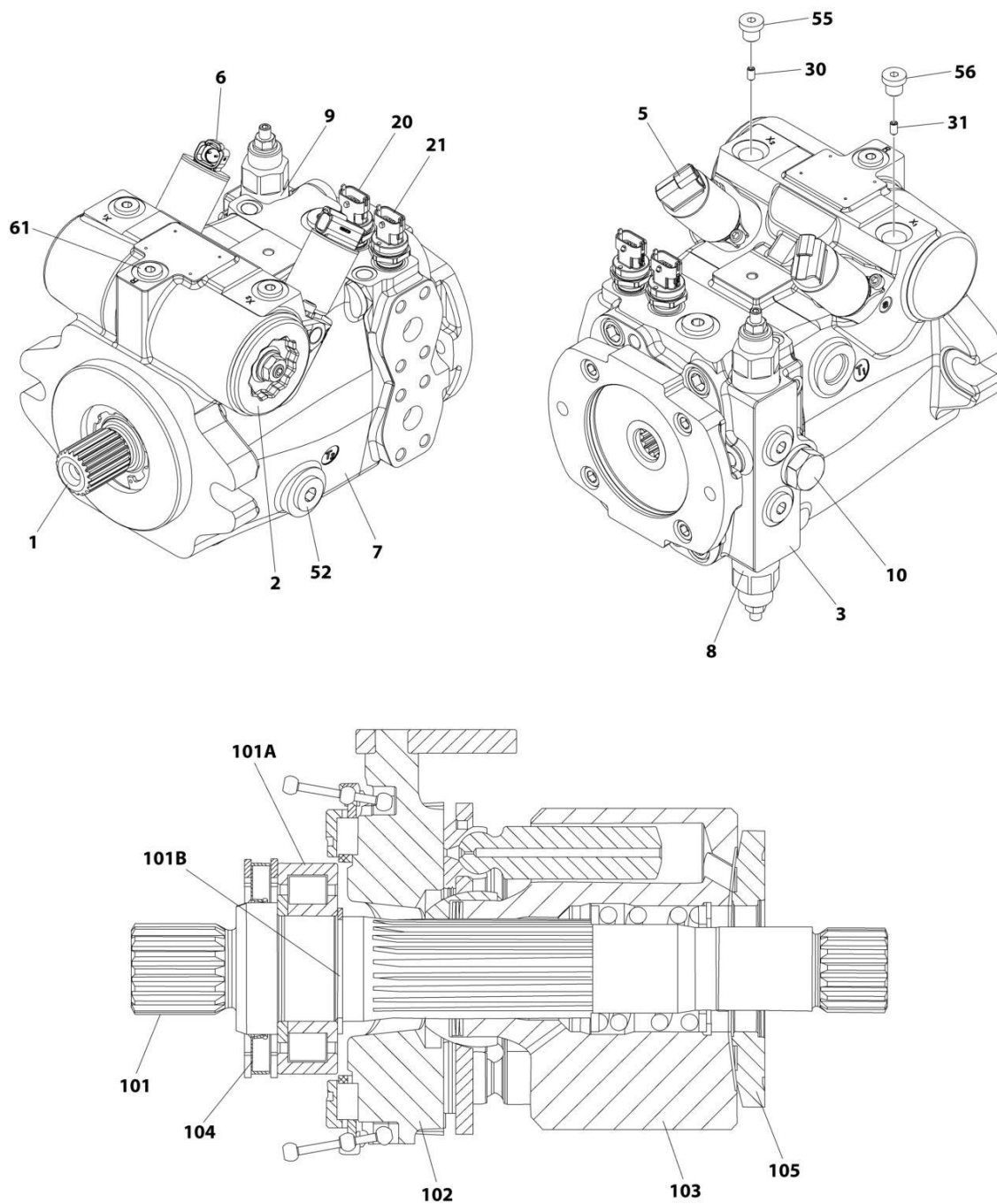
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FIGURE 9-23. PUMP MOUNTING KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268480	Ref	PUMP COUPLING MOUNTING KIT	D
1	70032452	1	Coupling, Pump to Flywheel	
2	70032453	1	Housing, Flywheel/Coupling	
3	70032454	1	Kit, Bolt	

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FIGURE 9-24. PUMP ASSEMBLY



ART_1001286197

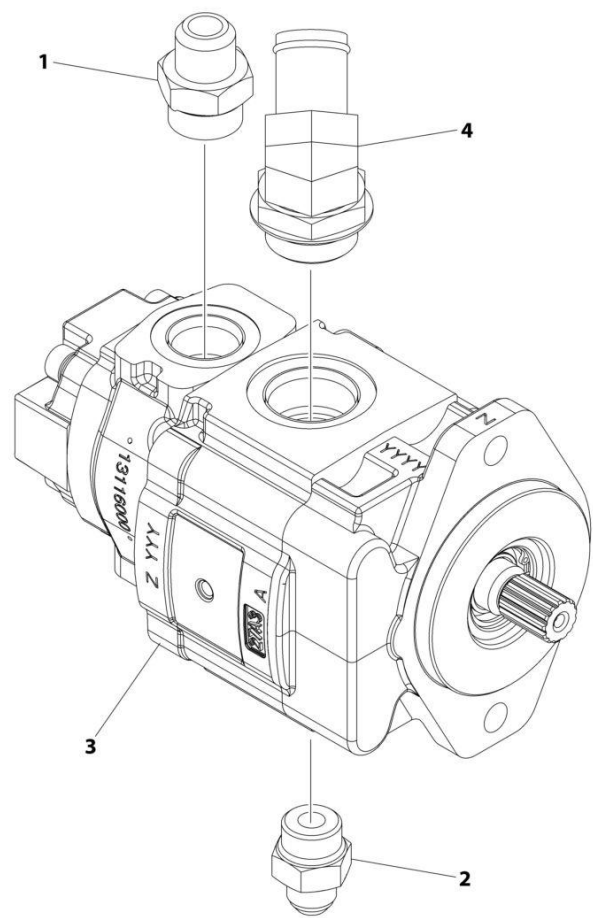
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FIGURE 9-24. PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286197	Ref	PUMP ASSEMBLY	B
1	70031097	1	Rotary Group (Includes Items 101-105)	
2	70031098	1	Control	
3	70031099	1	Plate, Connection	
4	See Note	1	Housing, Bell (Note: Use PN 1001286197)	
5	70031101	1	Valve, Pressure Reducing Cartridge	
6	70031101	1	Valve, Pressure Reducing Cartridge	
7	See Note	NSS	Housing (Note: Use PN 1001286197)	
8	70031102	1	Valve, Pressure Relief Cartridge	
9	70031102	1	Valve, Pressure Relief Cartridge	
10	70031103	1	Valve, Pressure Relief Cartridge	
20	70031104	1	Sensor, Pressure	
21	70031104	1	Sensor, Pressure	
30	70031105	1	Nozzle	
31	70031105	1	Nozzle	
52	7026980	1	Plug (Includes O-Ring)	
55	80334079	1	Plug (Includes O-Ring)	
56	80334079	1	Plug (Includes O-Ring)	
61	80334079	1	Plug (Includes O-Ring)	
	70031097	Ref	ROTARY GROUP	
101	70031106	1	Shaft Assembly (Includes Items 101A & 101B)	
101A	70023944	1	Bearing, Roller	
101B	70031111	1	Ring, Retaining	
102	70031107	1	Cradle Assembly (Includes Cradle, Slider & Bearings)	
103	70031108	1	Rotary Assembly (Includes Cylinder, Piston, Springs, Shims, Retaining Plate/Ball & Hardware)	
104	70031109	1	Seal Kit - Shaft	
105	70031110	1	Plate, Control	

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FIGURE 9-25. PUMP AND FITTINGS ASSEMBLY - GEAR PUMP



ART_1001270643

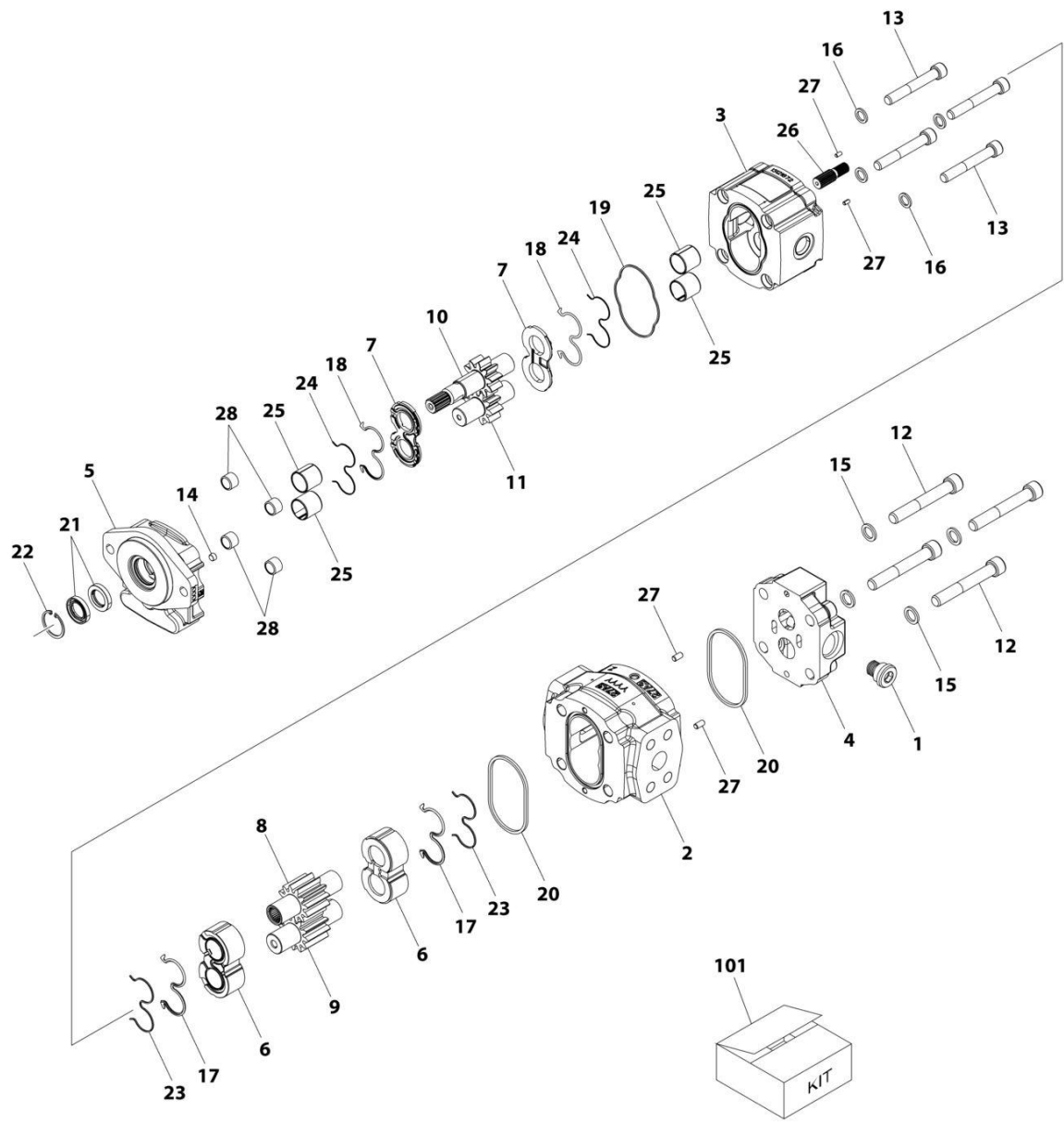
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FIGURE 9-25. PUMP AND FITTINGS ASSEMBLY - GEAR PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270643	Ref	PUMP AND FITTINGS ASSEMBLY - GEAR PUMP	B
1	2220435	1	Fitting, Straight	
2	2220865	1	Fitting, Straight	
3	1001270577	1	Pump Assembly (See Separate Breakdown in this Section)	
4	1001272155	1	Fitting, 45	

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FIGURE 9-26. GEAR PUMP



ART_1001270577

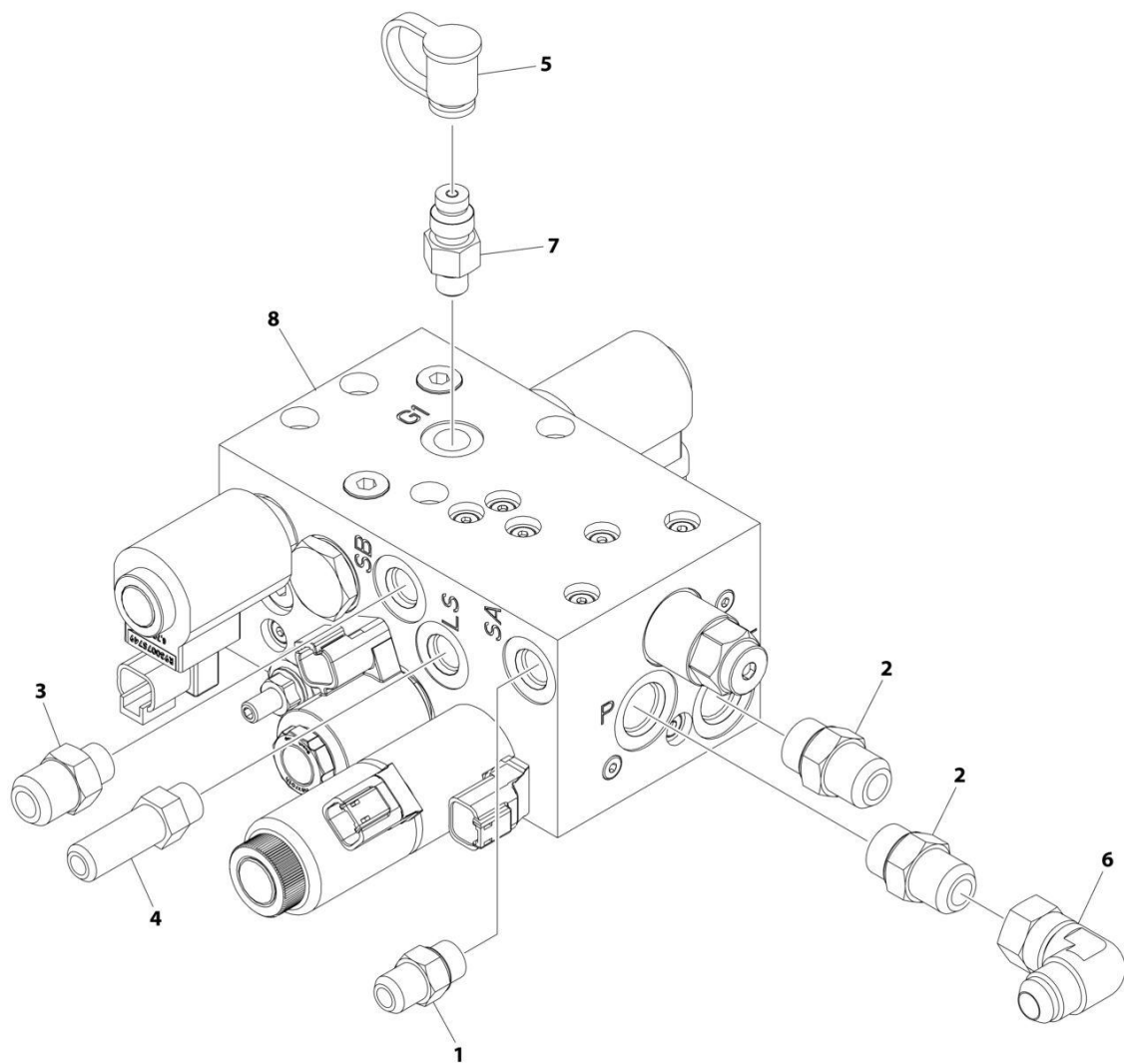
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FIGURE 9-26. GEAR PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270577	Ref	GEAR PUMP	B
1	70031261	1	Valve	
2	See Note	NSS	Housing, Body (Not available for Purchase)	
3	See Note	NSS	Housing, Body (Not available for Purchase)	
4	See Note	NSS	Cover, Rear (Not available for Purchase)	
5	See Note	NSS	Cover, Front (Not available for Purchase)	
6	70007657	2	Plate, Thrust	
7	70026509	2	Plate, Thrust	
8	See Note	NSS	Gear, Drive (Not available for Purchase)	
9	See Note	NSS	Gear, Drive (Not available for Purchase)	
10	See Note	NSS	Shaft, Drive (Not available for Purchase)	
11	70026512	1	Gear, Driven	
12	70031260	4	Bolt M10 x 105	
13	70031259	4	Bolt M14 x 95	
14	See Note	NSS	Screw (Not Available for Purchase)	
15	70007650	4	Washer M10	
16	70026493	4	Washer M14	
17	See Note	NSS	Seal (Note: Use Item 101)	
18	See Note	NSS	Seal (Note: Use Item 101)	
19	See Note	NSS	Seal (Note: Use Item 101)	
20	See Note	NSS	Seal (Note: Use Item 101)	
21	See Note	NSS	Seal, Shaft (Note: Use Item 101)	
22	See Note	NSS	Ring (Not available for Purchase)	
23	See Note	NSS	Ring (Note: Use Item 101)	
24	See Note	NSS	Ring (Note: Use Item 101)	
25	See Note	NSS	Sleeve (Not available for Purchase)	
26	See Note	NSS	Hub (Not available for Purchase)	
27	70007316	4	Pin, Dowel	
28	See Note	NSS	Bushing (Not available for Purchase)	
101	70031258	1	Kit, Seal (Includes Items 17-21, 23 & 24)	

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FIGURE 9-27. STABILIZER VALVE AND FITTINGS SUBASSEMBLY



ART_1001270647

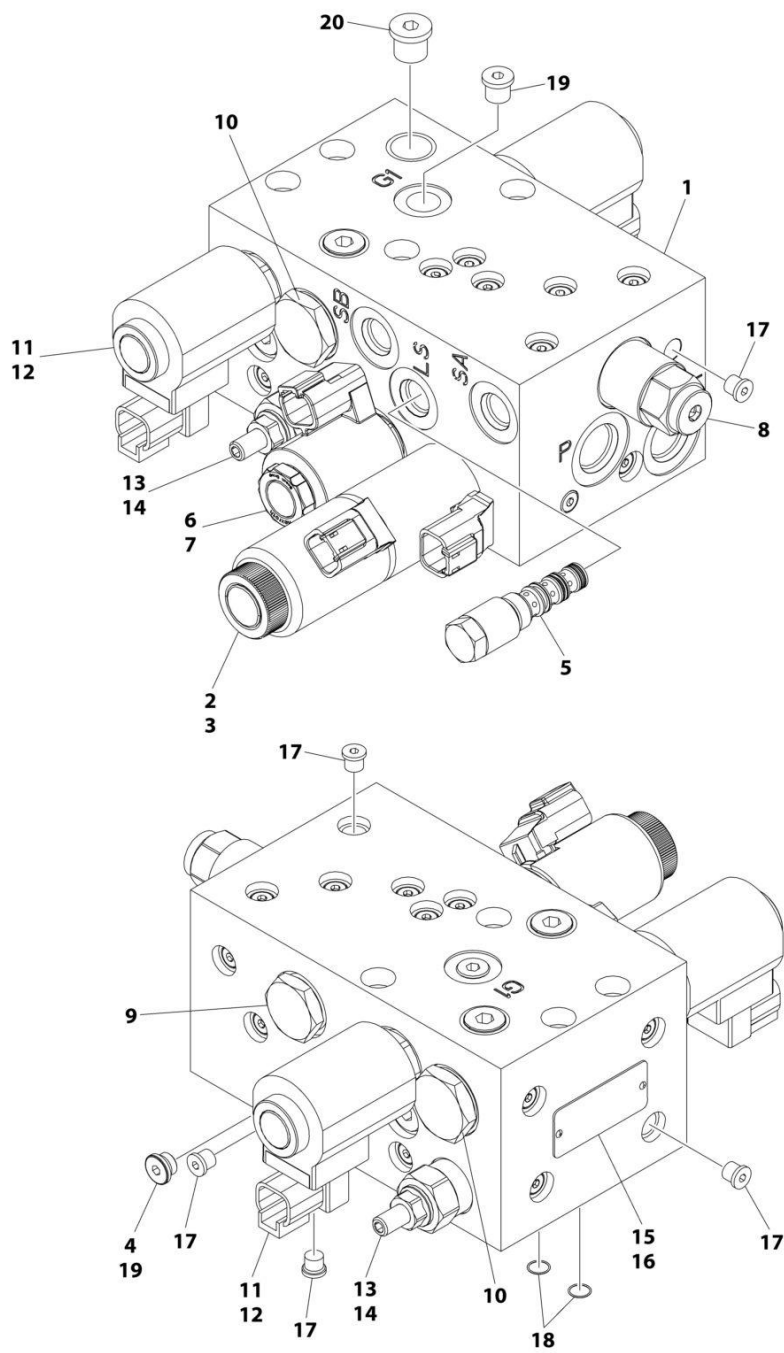
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FIGURE 9-27. STABILIZER VALVE AND FITTINGS SUBASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270647	Ref	STABILIZER VALVE AND FITTINGS SUBASSEMBLY	B
1	2220371	1	Fitting, Straight JIC/ORB	
2	2220373	2	Fitting, Straight JIC/ORB	
3	2220600	1	Fitting, Straight	
4	2220998	1	Fitting, Straight JIC/ORB	
5	8430032	1	Plug, Dust Cap	
6	8765204	1	Fitting, 90 JIC/FS	
7	8430033	1	Fitting, ORB	
8	1001272776	1	Stabilizer Valve Assembly (See Separate Breakdown in this Section)	

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FIGURE 9-28. STABILIZER VALVE ASSEMBLY



ART_1001272776

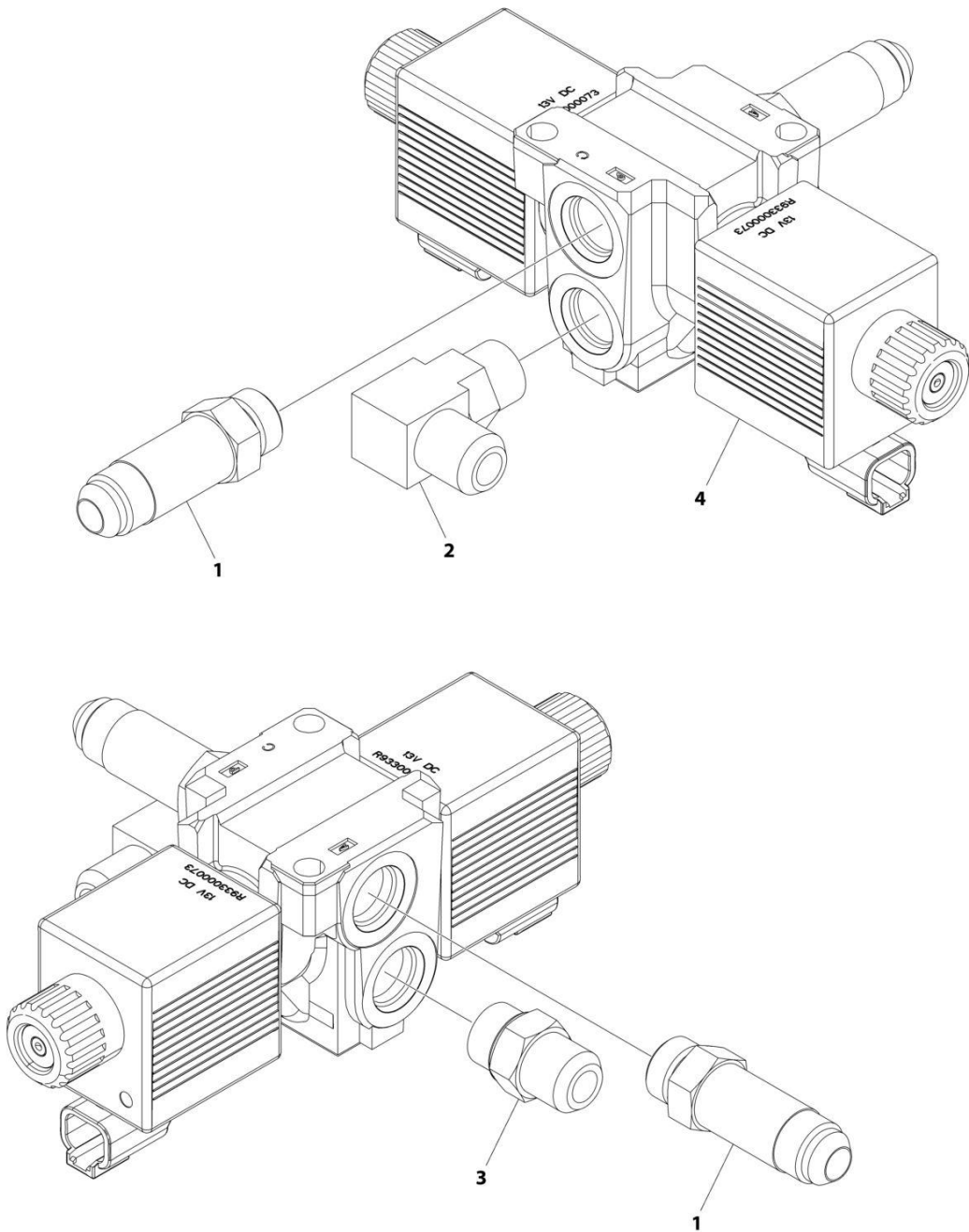
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-28. STABILIZER VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001272776	Ref	STABILIZER VALVE ASSEMBLY	C
1	See Note	NSS	Manifold Block (Note: Not Available for Purchase)	
2	70006115	1	Cartridge	
3	70006122	2	Solenoid Coil	
4	70031267	1	Plug	
5	70031268	1	Cartridge	
6	70031269	1	Cartridge	
7	70030320	1	Solenoid Coil	
8	70031270	1	Cartridge	
9	70031271	1	Cartridge	
10	70005194	2	Valve	
11	70031272	2	Cartridge	
12	70031273	2	Coil	
13	See Note	NSS	Valve Subassembly (Note: Not available for Purchase)	
14	70031274	2	Cartridge	
15	See Note	NSS	Nameplate (Note: Not available for Purchase)	
16	See Note	NSS	Rivet (Note: Not available for Purchase)	
17	2220881	19	Screw Plug	
18	70031275	2	O-Ring	
19	70002758	2	Plug	
20	70004617	4	Plug	

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FIGURE 9-29. STEER SELECT VALVE AND FITTINGS SUB-ASSEMBLY



ART_1001270612

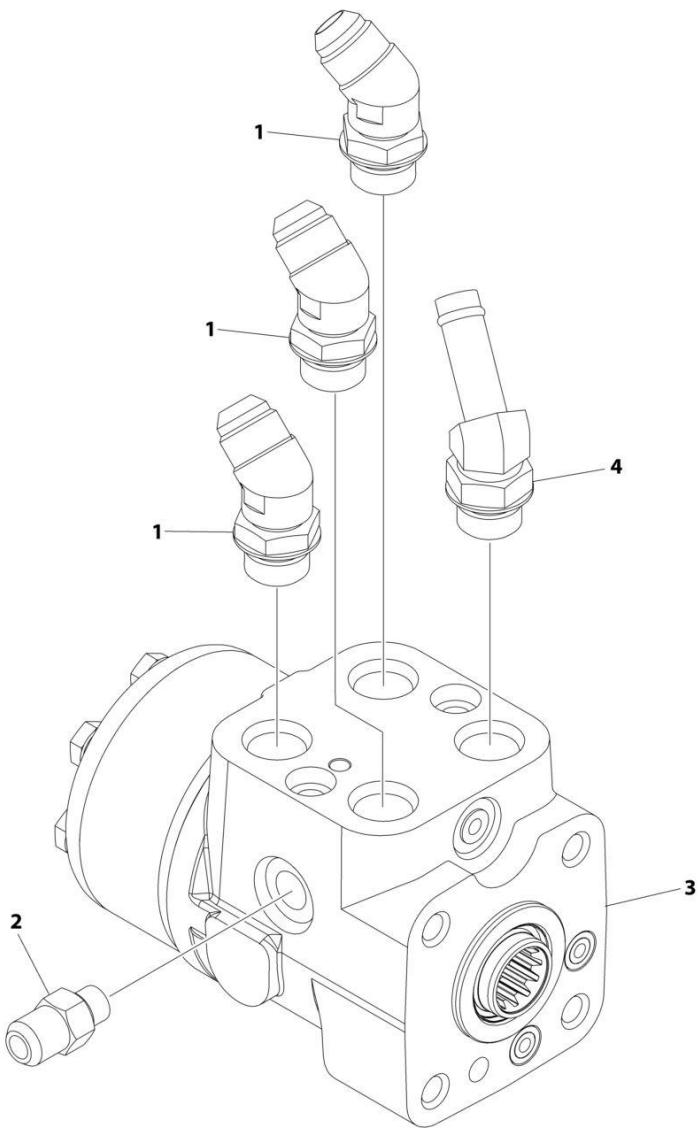
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-29. STEER SELECT VALVE AND FITTINGS SUB-ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270612	Ref	STEER SELECT VALVE AND FITTINGS SUB-ASSEMBLY	B
1	2220381	2	Fitting, Straight	
2	2220596	1	Fitting, 90	
3	2220373	1	Fitting, Straight	
4	1001153748	1	Steer Select Valve Assembly (See Separate Breakdown in this Section)	

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FIGURE 9-30. STEER VALVE AND FITTINGS SUB-ASSEMBLY



ART_1001269699

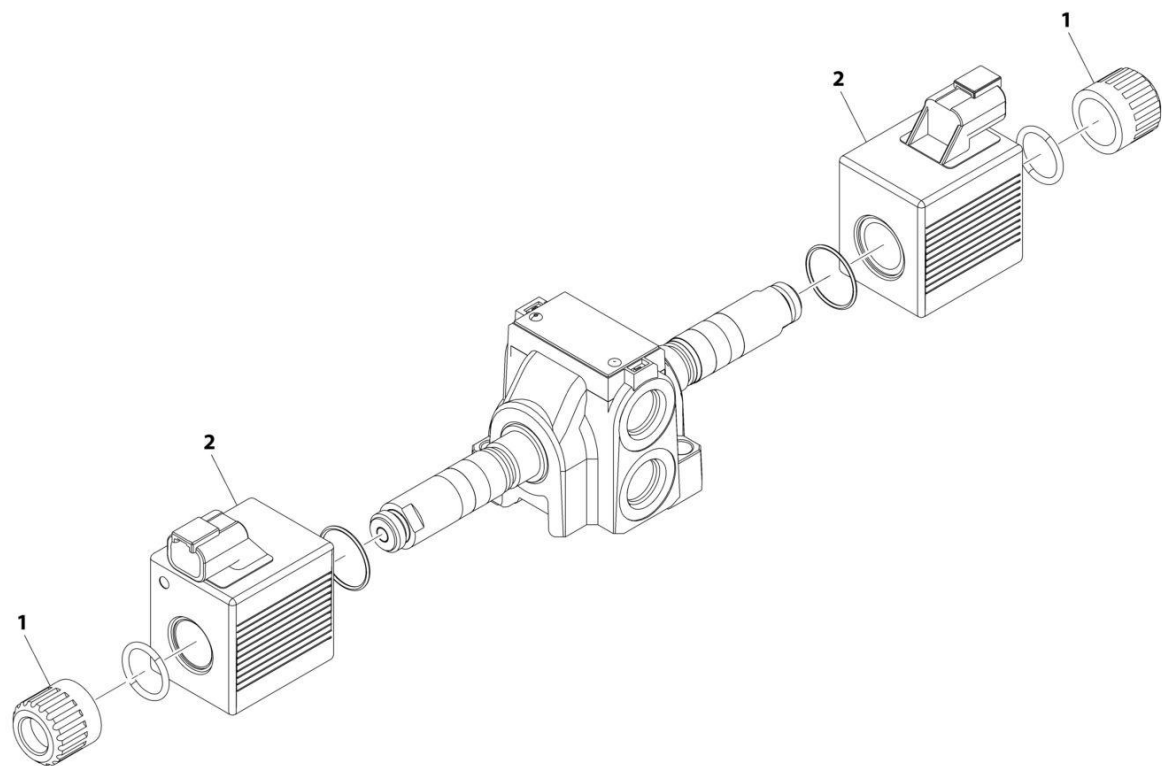
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-30. STEER VALVE AND FITTINGS SUB-ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001269699	Ref	STEER VALVE AND FITTINGS SUB-ASSEMBLY	B
1	2220500	3	Fitting, 45	
2	2220603	1	Fitting, Straight	
3	1001270681	1	Valve, Steering (Sold as Assembly Only)	
4	1001291405	1	Fitting, 45	

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FIGURE 9-31. STEERING SELECT VALVE



ART_1001153748-D

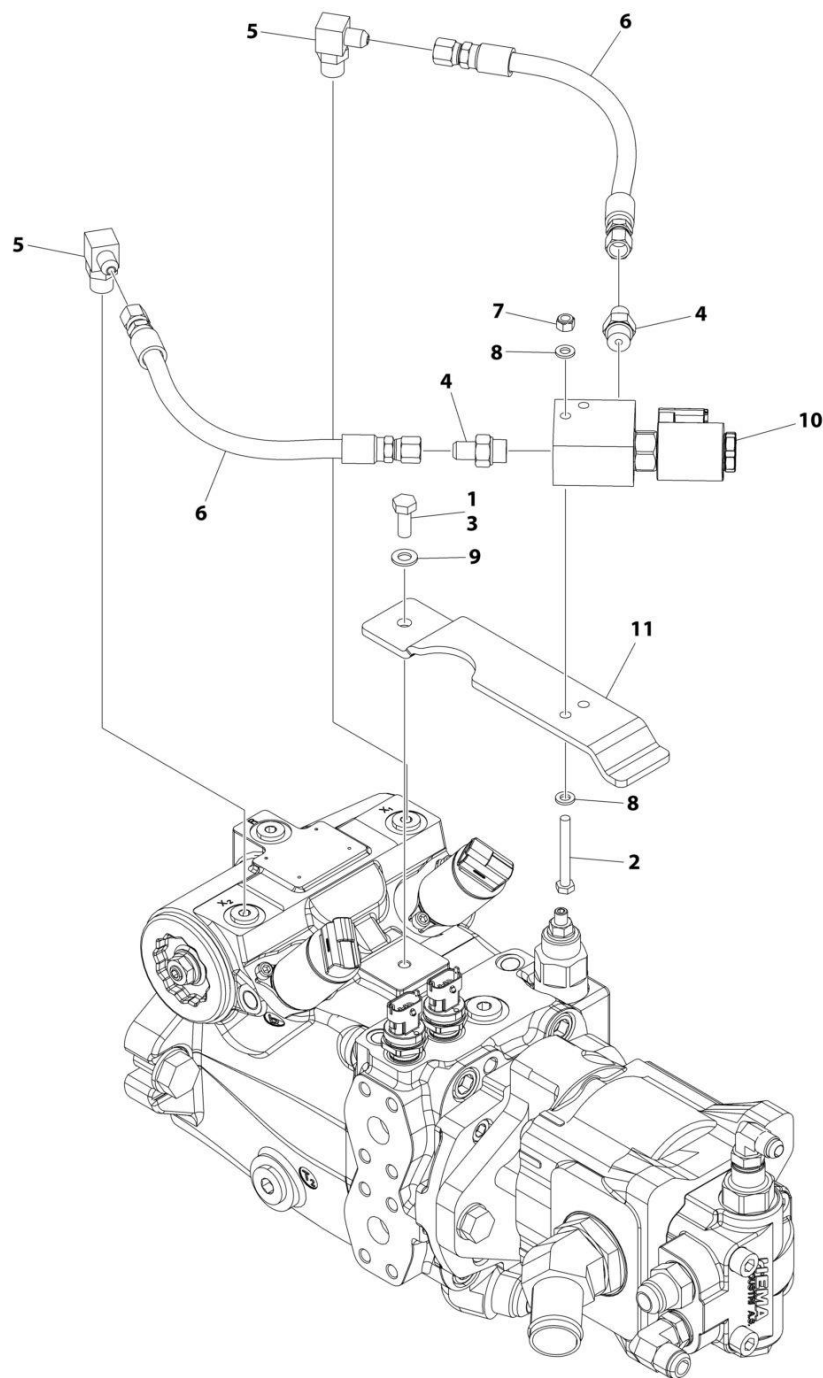
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-31. STEERING SELECT VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001153748	Ref	Steering Select Valve	D
1	70020867	2	Nut, Coil	
2	70026582	2	Coil	

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FIGURE 9-32. VALVE INSTALLATION - WATCHDOG



ART_1001277451

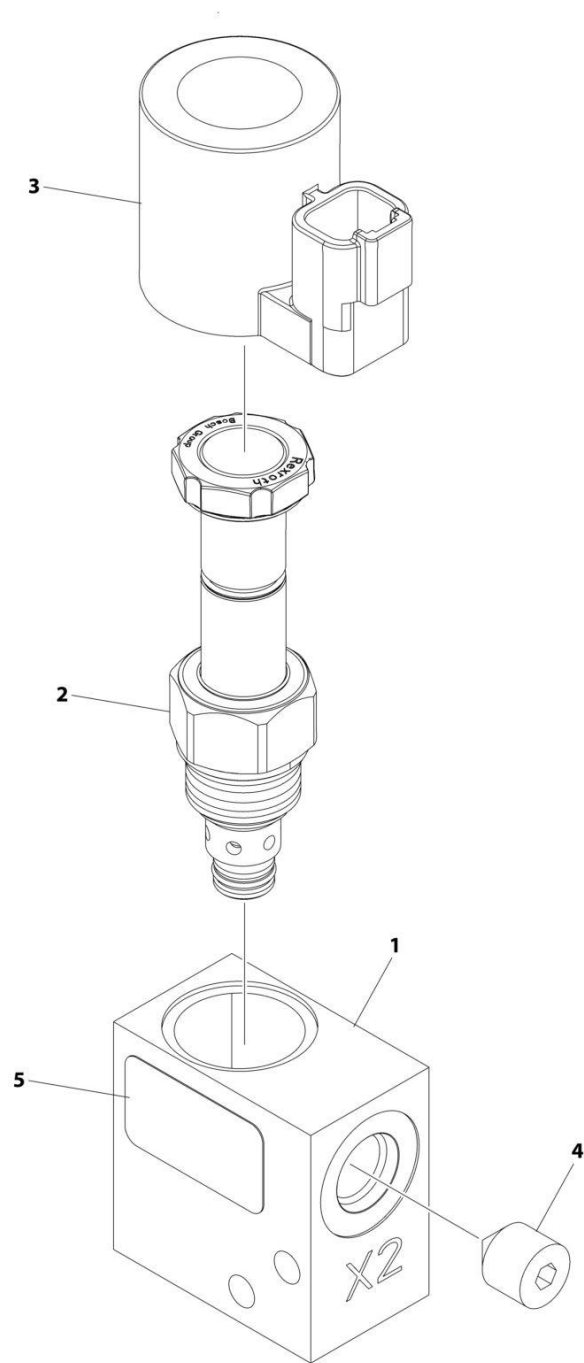
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-32. VALVE INSTALLATION - WATCHDOG

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277451	Ref	VALVE INSTALLATION - WATCHDOG	D
1	0100011	AR	Compound, Locking	
2	0700618	2	Bolt M6 x 50	
3	0770810	1	Bolt M8 x 20	
4	2220582	2	Fitting, Straight	
5	2220472	2	Fitting, 90	
6	1001282170	2	Hose	
7	3290605	2	Nut M6 x 1	
8	4811700	4	Washer M6	
9	4811900	1	Washer M8	
10	1001275632	1	Valve Assembly - Watchdog (See Separate Breakdown in this Section)	
11	1001277491	1	Bracket	

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FIGURE 9-33. VALVE ASSEMBLY - WATCHDOG



ART_1001275632

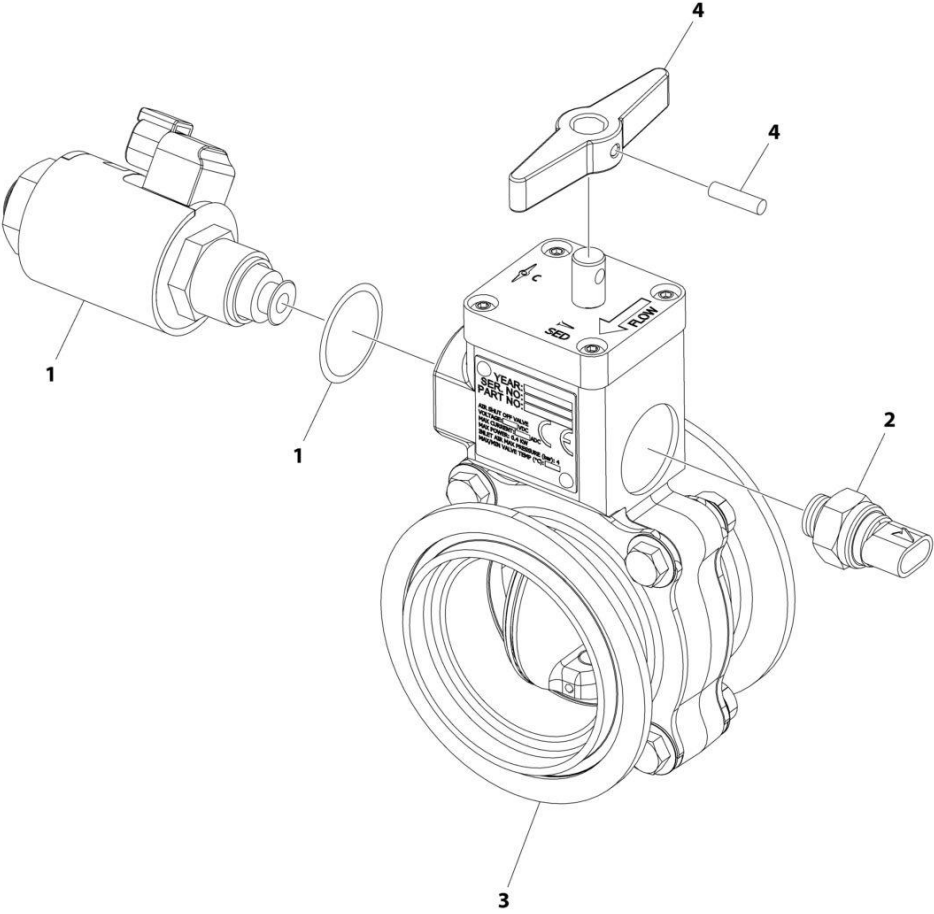
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-33. VALVE ASSEMBLY - WATCHDOG

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275632	Ref	VALVE ASSEMBLY - WATCHDOG	A
1	See Note	NSS	Block (Note: Not Available for Purchase)	
2	70031265	1	Cartridge	
3	70007504	1	Coil	
4	7018936	1	Orifice	
5	See Note	NSS	Nameplate (Note: Not Available for Purchase)	

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FIGURE 9-34. VALVE, AIR SHUT OFF



ART_1001204032_C

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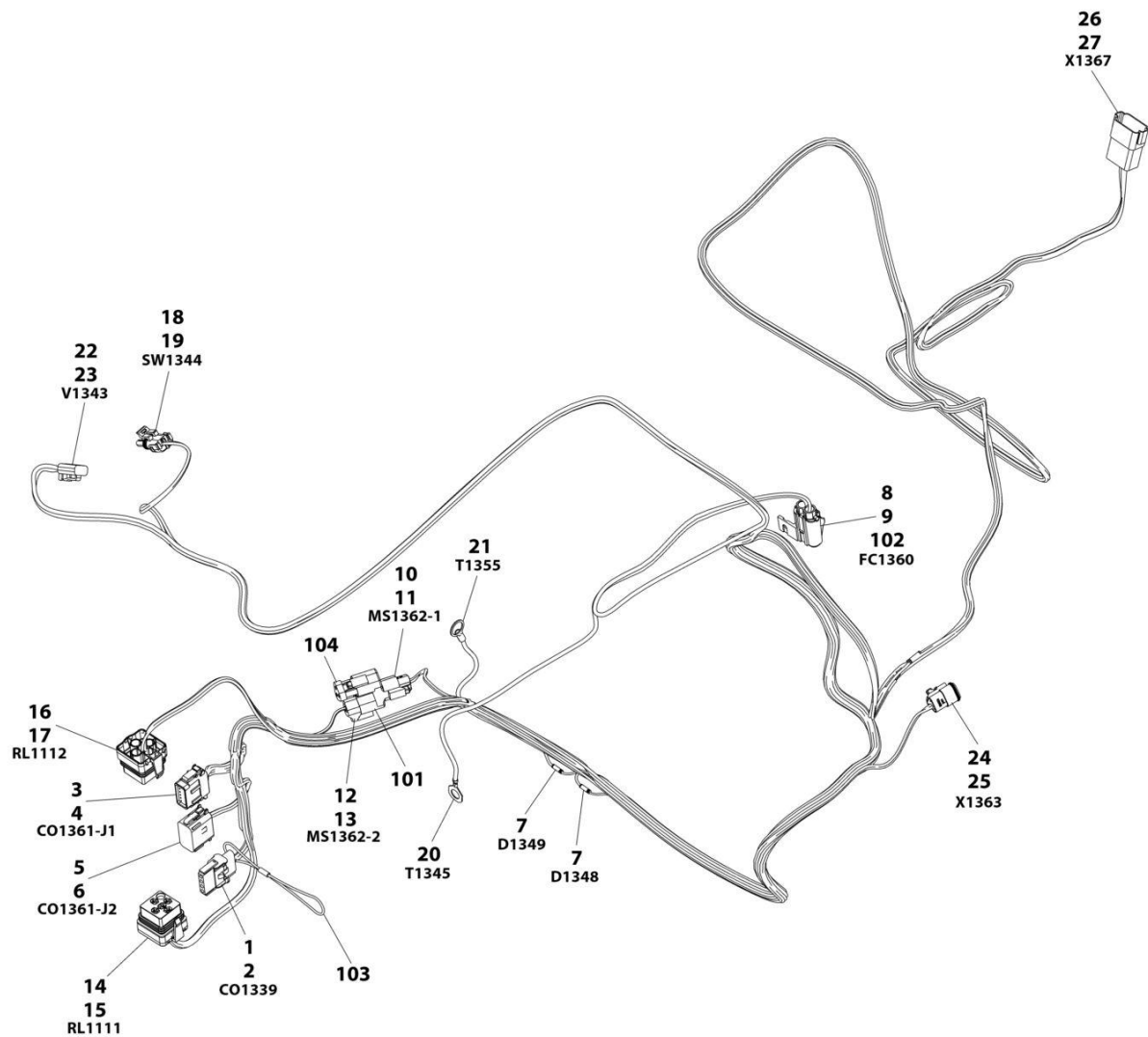
FIGURE 9-34. VALVE, AIR SHUT OFF

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204032	Ref	Air Shut Off Valve	C
1	70028514	1	Kit, Solenoid 12V (Includes Solenoid, Coil, O-Ring)	
2	70028515	1	Kit, Switch (Includes Ball Switch & O-Ring)	
3	70028516	1	Kit, Flange and Hardware (Includes Flanges (Male & Female) & Mounting Hardware)	
4	70028517	1	Kit, Handle (Includes Handle & Pin)	

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FIGURE 10-1. AIR SHUT-OFF VALVE HARNESS - ENGINE



ART_1001286623

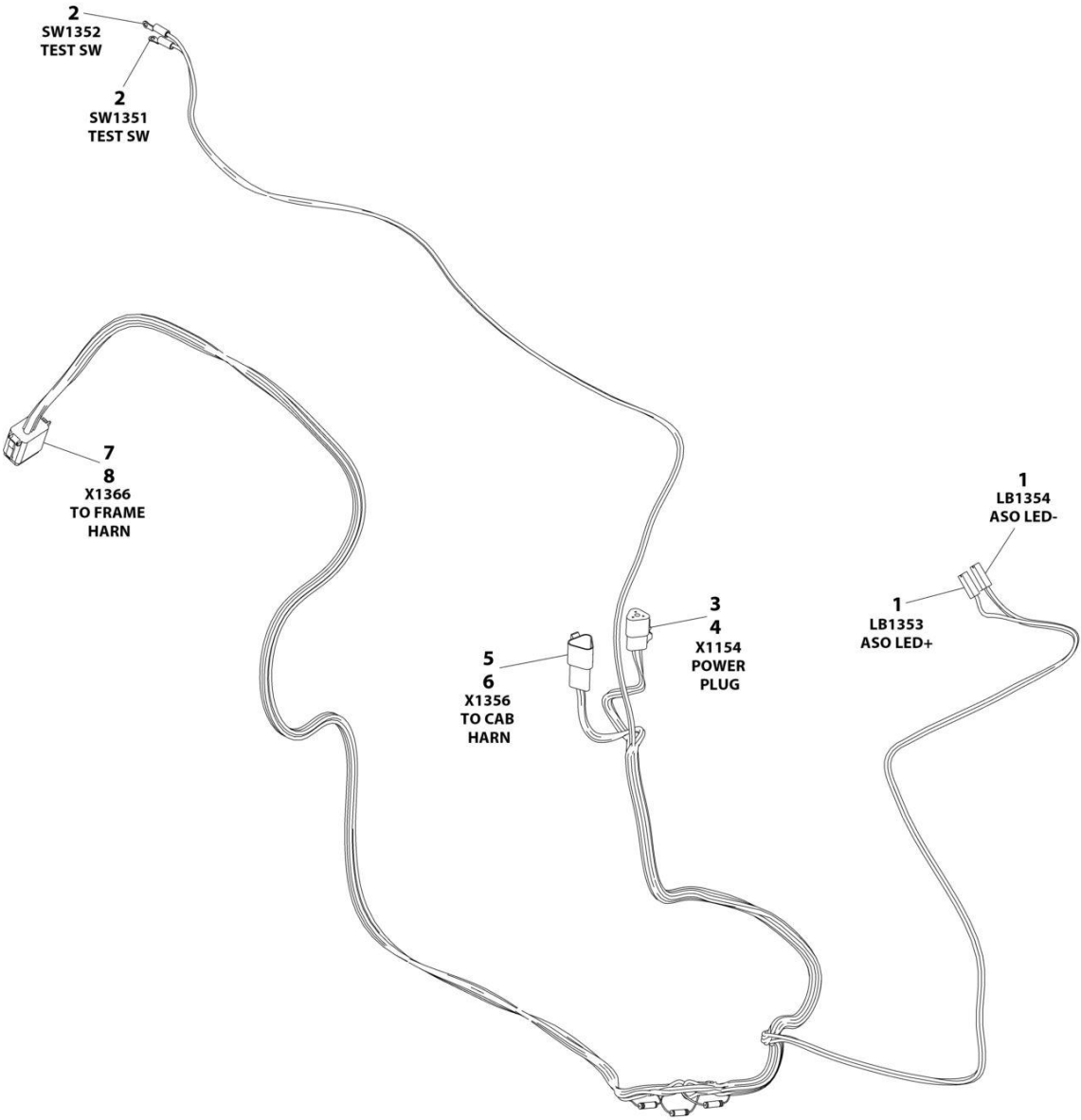
SECTION 10 - ELECTRICAL

FIGURE 10-1. AIR SHUT-OFF VALVE HARNESS - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286623	Ref	AIR SHUT-OFF VALVE HARNESS - ENGINE	A
1	4460761	1	Connector	
2	NPN	4	Terminal	
3	1001116808	1	Connector	
4	NPN	9	Terminal	
5	1001116774	1	Connector	
6	NPN	4	Terminal	
7	NPN	2	Diode	
8	1001231397	1	Connector	
9	NPN	2	Terminal	
10	1001116812	1	Connector	
11	NPN	2	Terminal	
12	4460539	1	Connector	
13	NPN	2	Terminal	
14	1001261398	1	Connector	
15	NPN	4	Terminal	
16	1001261398	1	Connector	
17	NPN	4	Terminal	
18	4460742	1	Connector	
19	NPN	2	Terminal	
20	1001187078	2	Terminal	
21	8220111	1	Terminal	
22	4460891	1	Connector	
23	NPN	2	Terminal	
24	1001116812	1	Connector	
25	NPN	1	Terminal	
26	4460931	1	Connector	
27	NPN	6	Terminal	
101	4460945	1	Connector - 3 Way	
102	8229235	1	Fuse 20 Amp	
103	1001218358	1	Lanyard	
104	1001116815	1	Connector	

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FIGURE 10-2. AIR SHUT-OFF VALVE HARNESS - POSI



ART_1001277303

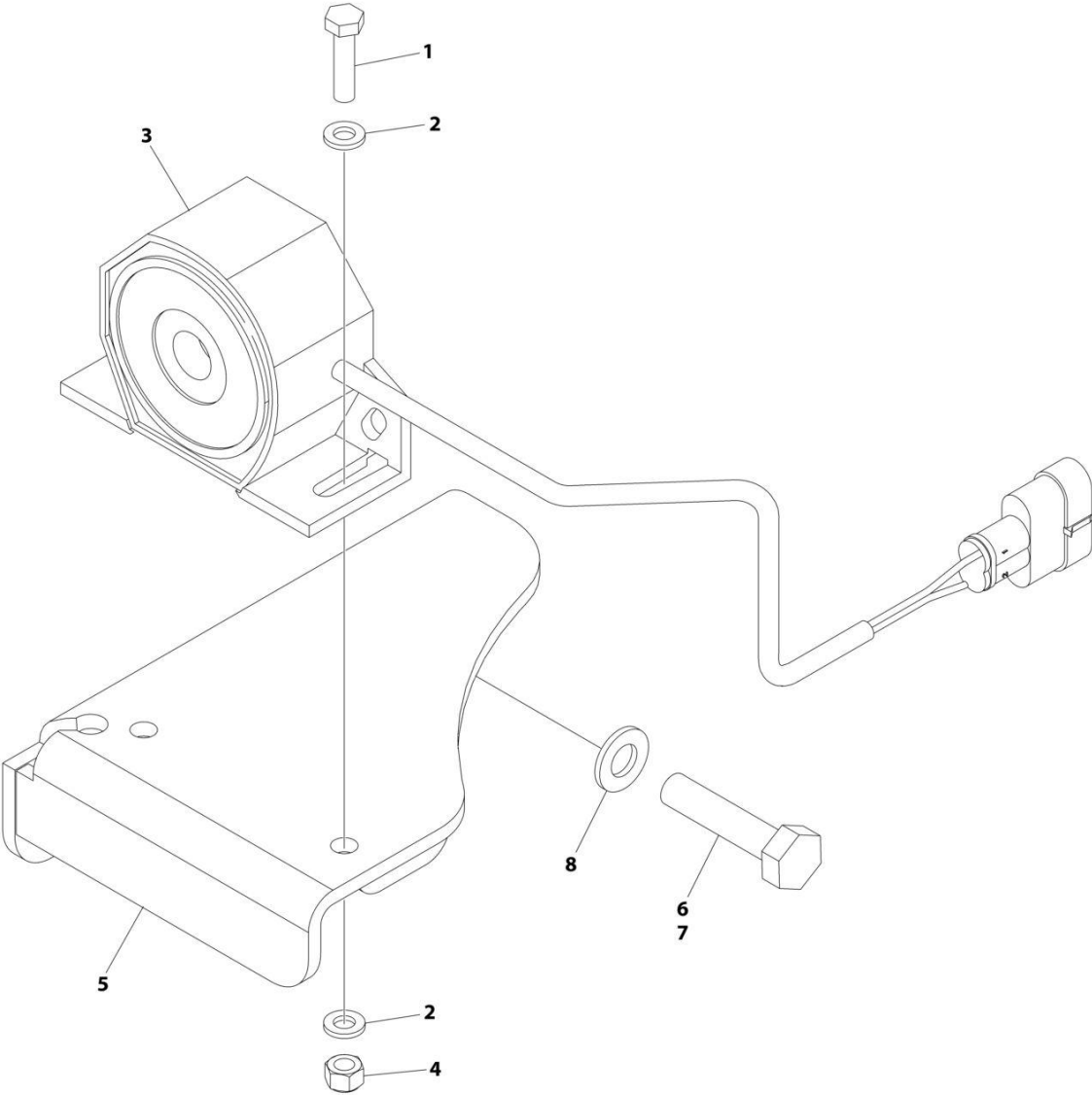
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FIGURE 10-2. AIR SHUT-OFF VALVE HARNESS - POSI

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277303	Ref	AIR SHUT-OFF VALVE HARNESS - POSI	A
1	1001117000	2	Connector	
2	8220035	2	Connector	
3	4460539	1	Connector	
4	4460465	6	Terminal	
5	4460930	1	Connector	
6	4460465	6	Terminal	
7	4460930	1	Connector	
8	4460465	9	Terminal	

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FIGURE 10-3. ALARM INSTALLATION - BACK UP



ART_1001272238_E

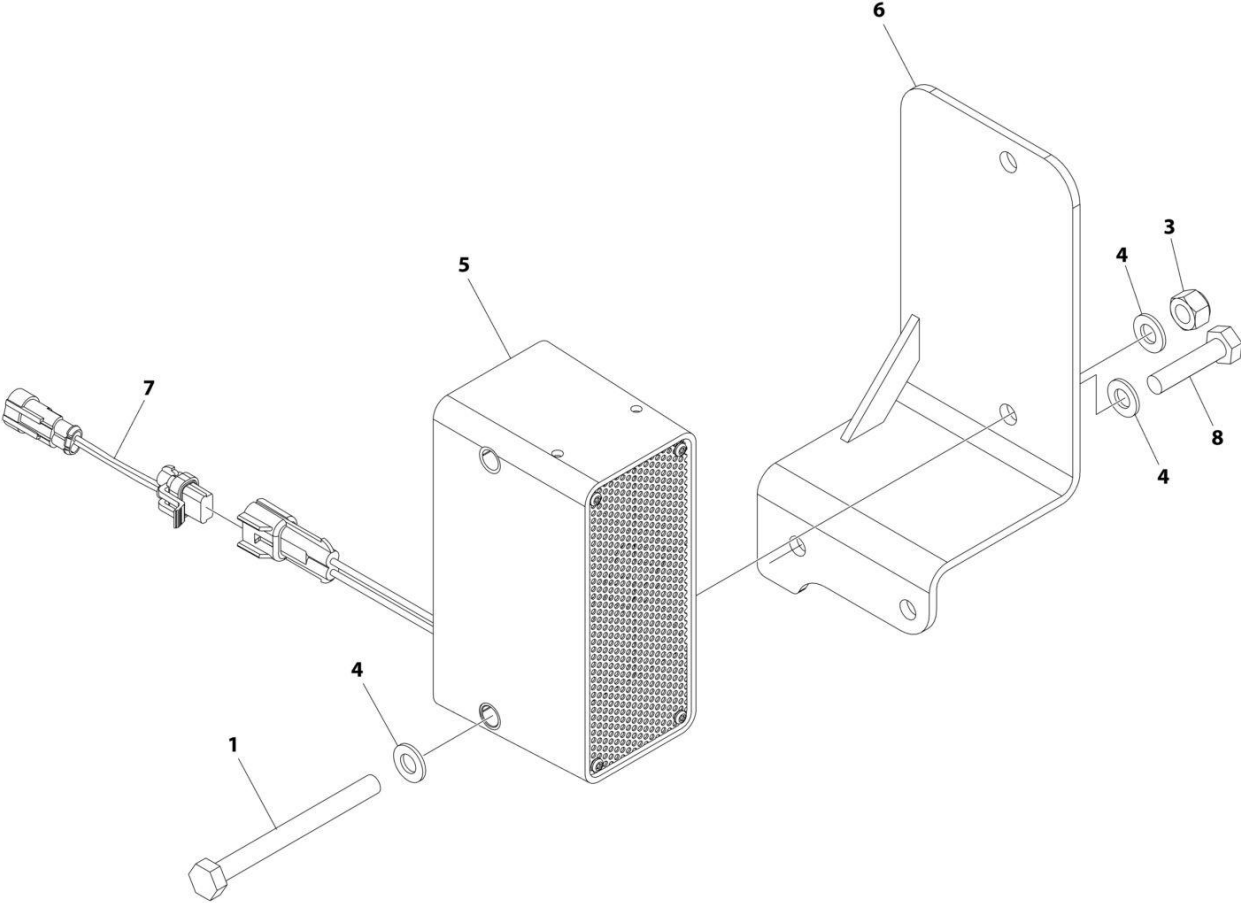
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FIGURE 10-3. ALARM INSTALLATION - BACK UP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001272238	Ref	ALARM INSTALLATION - BACK UP	E
1	0700612	2	Bolt M6 x 25	
2	4811702	4	Washer M6	
3	1001147060	1	Alarm	
4	3290605	2	Nut M6	
5	1001300140	1	Bracket	
6	0761017	1	Bolt M10 x 45	
7	4812000	1	Washer M10	
8	0100011	AR	Compound, Locking	

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FIGURE 10-4. ALARM INSTALLATION - BACK UP (WHITE NOISE)



ART_1001272239_G

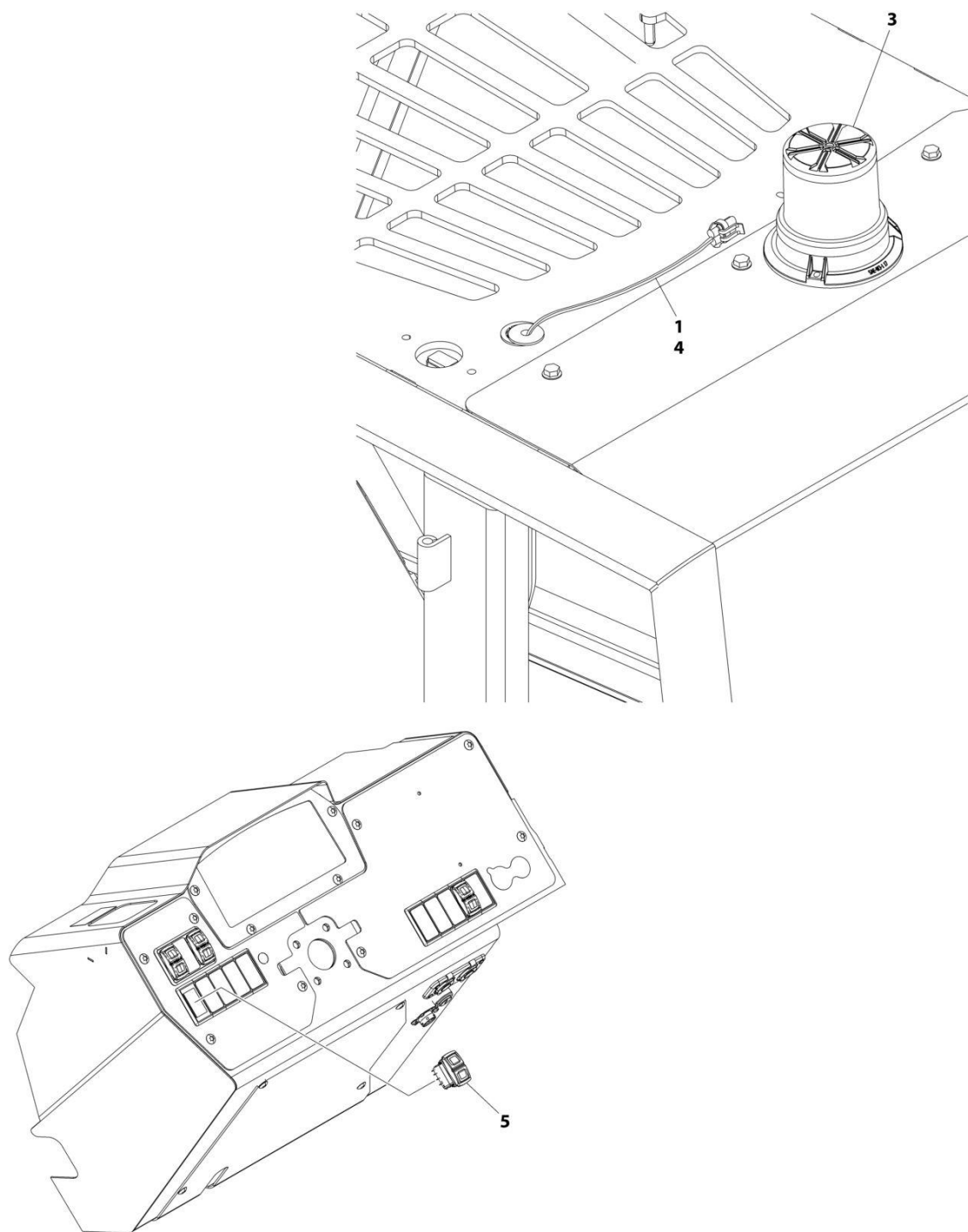
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FIGURE 10-4. ALARM INSTALLATION - BACK UP (WHITE NOISE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001272239	Ref	ALARM INSTALLATION - WHITE NOISE	G
1	0701028	2	Bolt M10 x 110	
3	3291005	2	Nut M10	
4	4812000	5	Washer M10	
5	1001198728	1	Alarm	
6	1001300139	1	Bracket	
7	1001297082	1	White Noise Harness	
7	1001117021	1	Connector	
7	4461227	1	Connector	
8	0761017	1	Bolt M10 x 45	

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FIGURE 10-5. BEACON INSTALLATION (WITHOUT CLEARSKY BEACON)



ART_1001268972

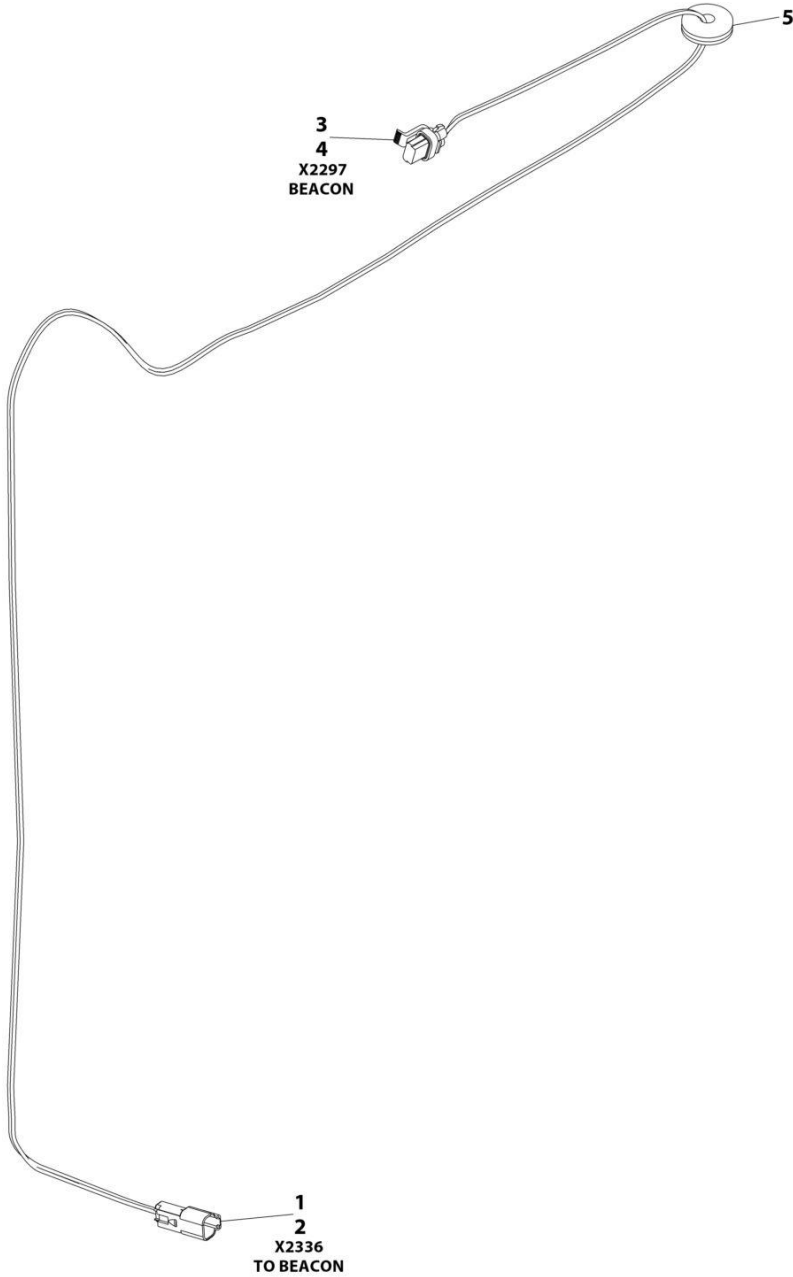
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FIGURE 10-5. BEACON INSTALLATION (WITHOUT CLEARSKY BEACON)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268972	Ref	BEACON INSTALLATION (NO CLEARSKY)	F
1	0100009	AR	Sealant	
3	1001271586	1	Light, Rotating Beacon	
4	1001276779	1	Harness, Beacon (See Separate Breakdown in this Section)	

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FIGURE 10-6. BEACON HARNESS (WITHOUT CLEARSKY BEACON)



ART_1001276779

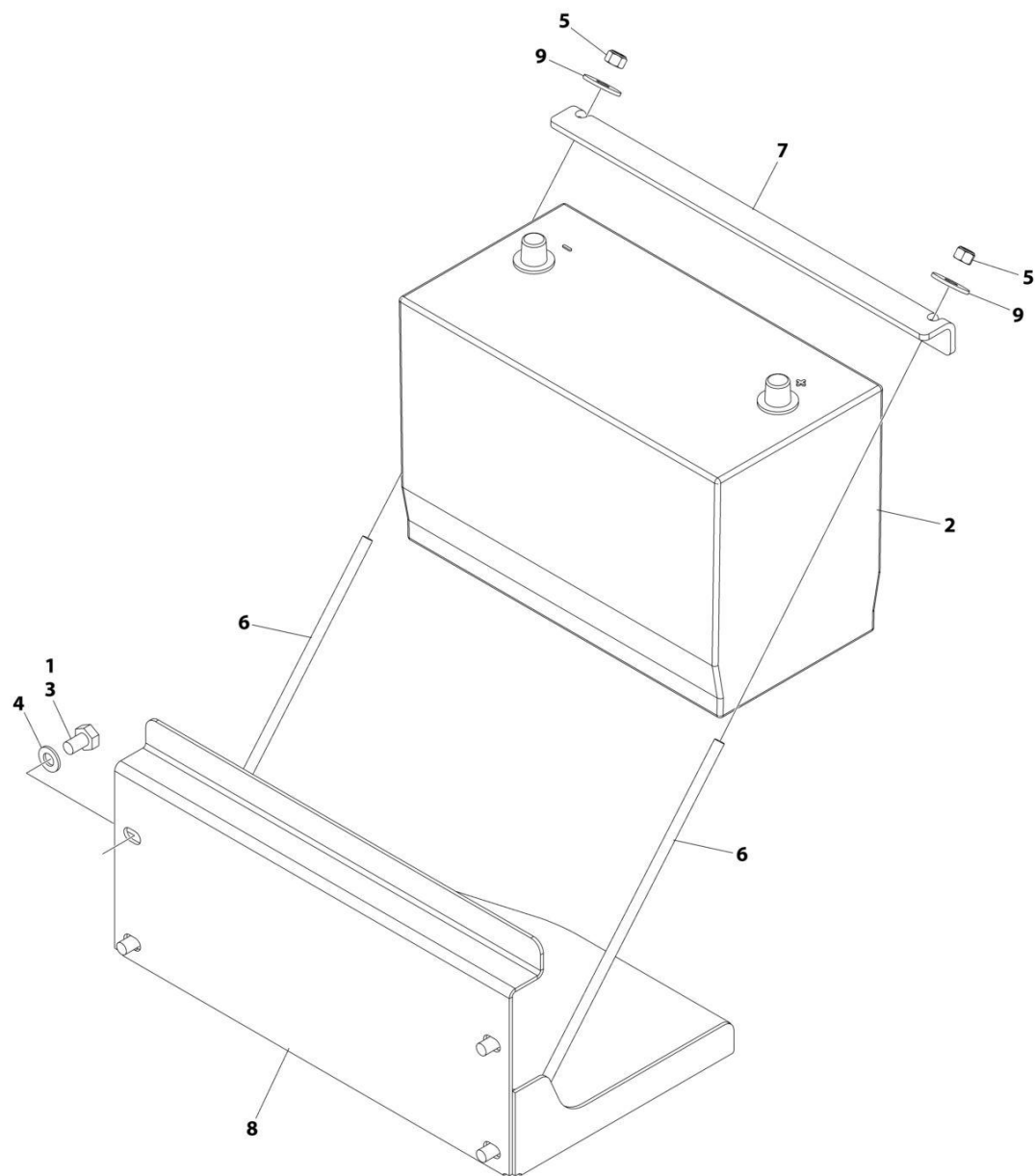
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FIGURE 10-6. BEACON HARNESS (WITHOUT CLEARSKY BEACON)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001276779	Ref	BEACON HARNESS (NO CLEARSKY)	B
1	4460897	1	Connector	
2	4460464	2	Terminal	
3	1001117021	1	Connector	
4	1001118384	2	Terminal	
5	1001193913	1	Grommet	

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FIGURE 10-7. BATTERY INSTALLATION



ART_1001268935

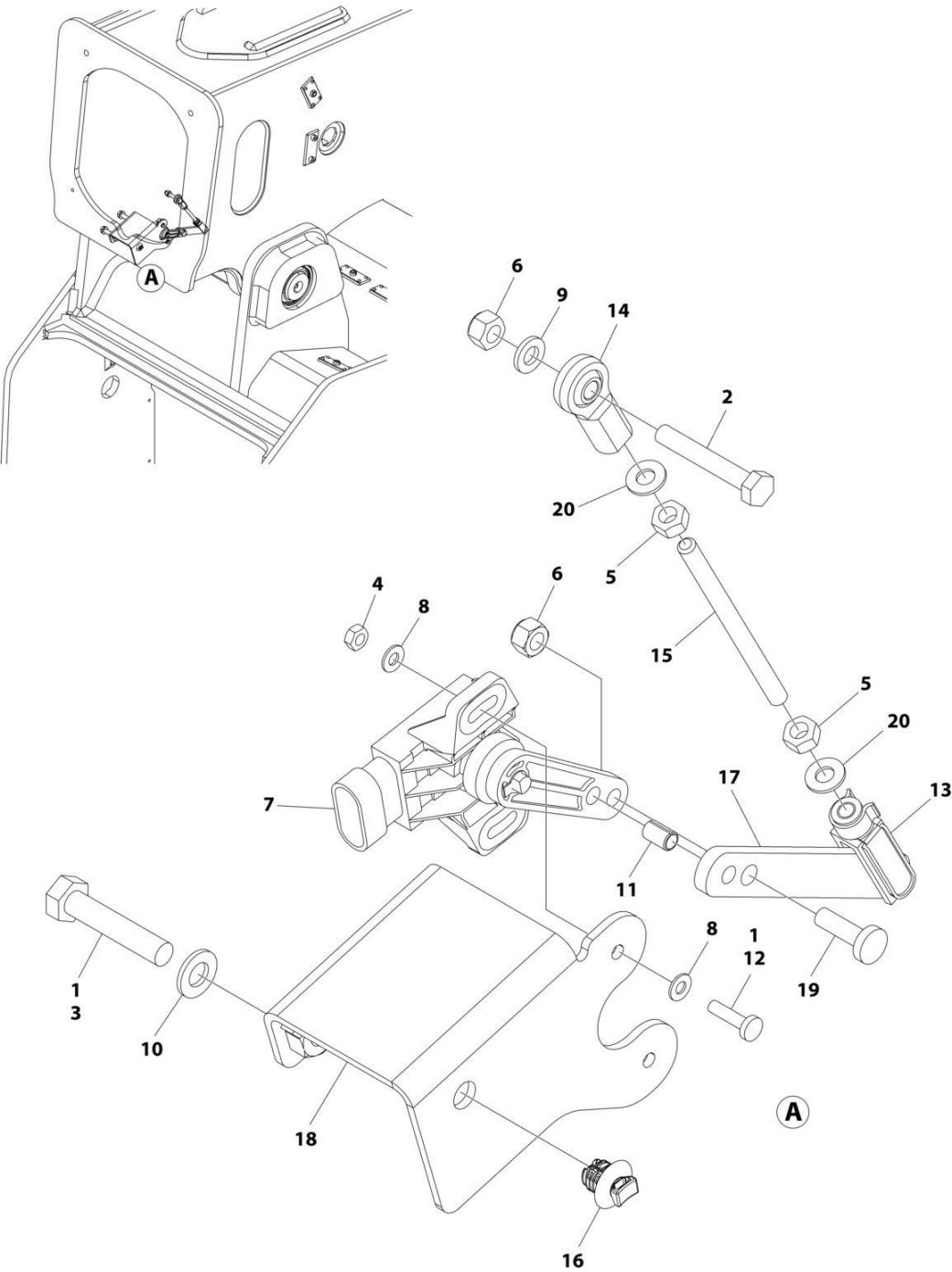
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FIGURE 10-7. BATTERY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268935	Ref	BATTERY INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0400075	1	Battery 12V	
3	0761008	4	Bolt M10 x 16	
4	4812000	4	Washer M10	
5	3290805	2	Nut M8	
6	1001285815	2	Hook	
6	1001300841	2	Hook	
7	1001258991	1	Plate	
8	1001274095	1	Bracket	
9	4812002	2	Washer M10	

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FIGURE 10-8. BOOM SENSOR INSTALLATION (WITHOUT LSI)



ART_1001293005

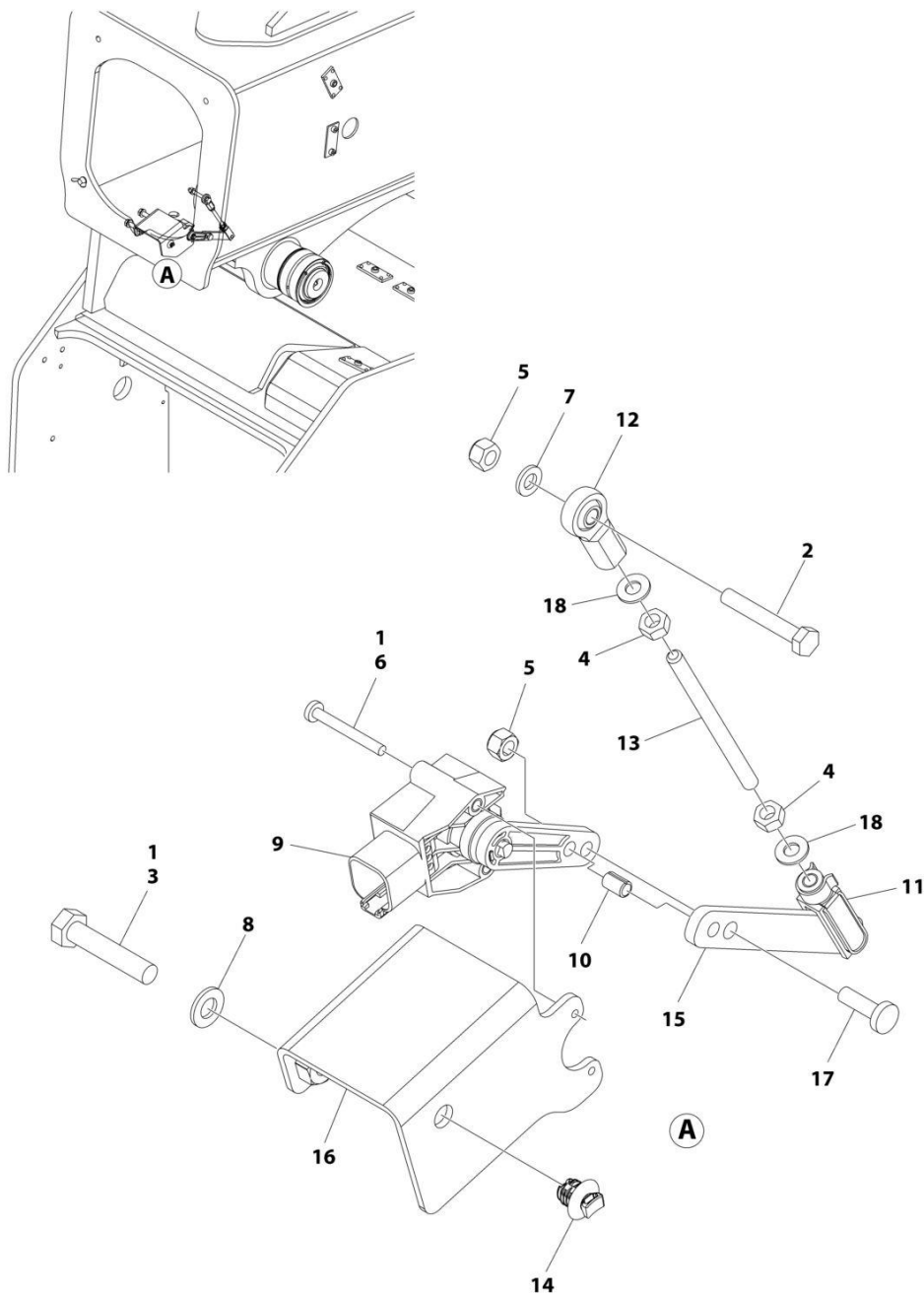
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FIGURE 10-8. BOOM SENSOR INSTALLATION (WITHOUT LSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001293005	Ref	BOOM SENSOR INSTALLATION (WITHOUT LSI)	B
1	0100011	AR	Compound, Locking	
2	0700616	1	Bolt M6 x 40	
3	0700816	2	Bolt M8 x 40	
4	3290401	2	Nut M4	
5	3290601	2	Nut M6	
6	3290605	2	Nut M6	
7	4000015	1	Sensor, Angle	
8	4811400	4	Washer M4	
9	4811700	1	Washer M6	
10	4811900	2	Washer M8	
11	1001103156	1	Pin	
12	1001126837	2	Screw M4 x 16	
13	1001134274	1	Clevis	
14	1001246993	1	Joint Ball	
15	1001271171	1	Rod	
16	1001273793	1	Strap, Push Mount	
17	1001274427	1	Link	
18	1001293001	1	Bracket	
19	4010610002	1	Screw M6 x 20	
20	4761400	2	Washer 1/4	

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FIGURE 10-9. BOOM SENSOR INSTALLATION (WITH LSI)



ART_1001293006

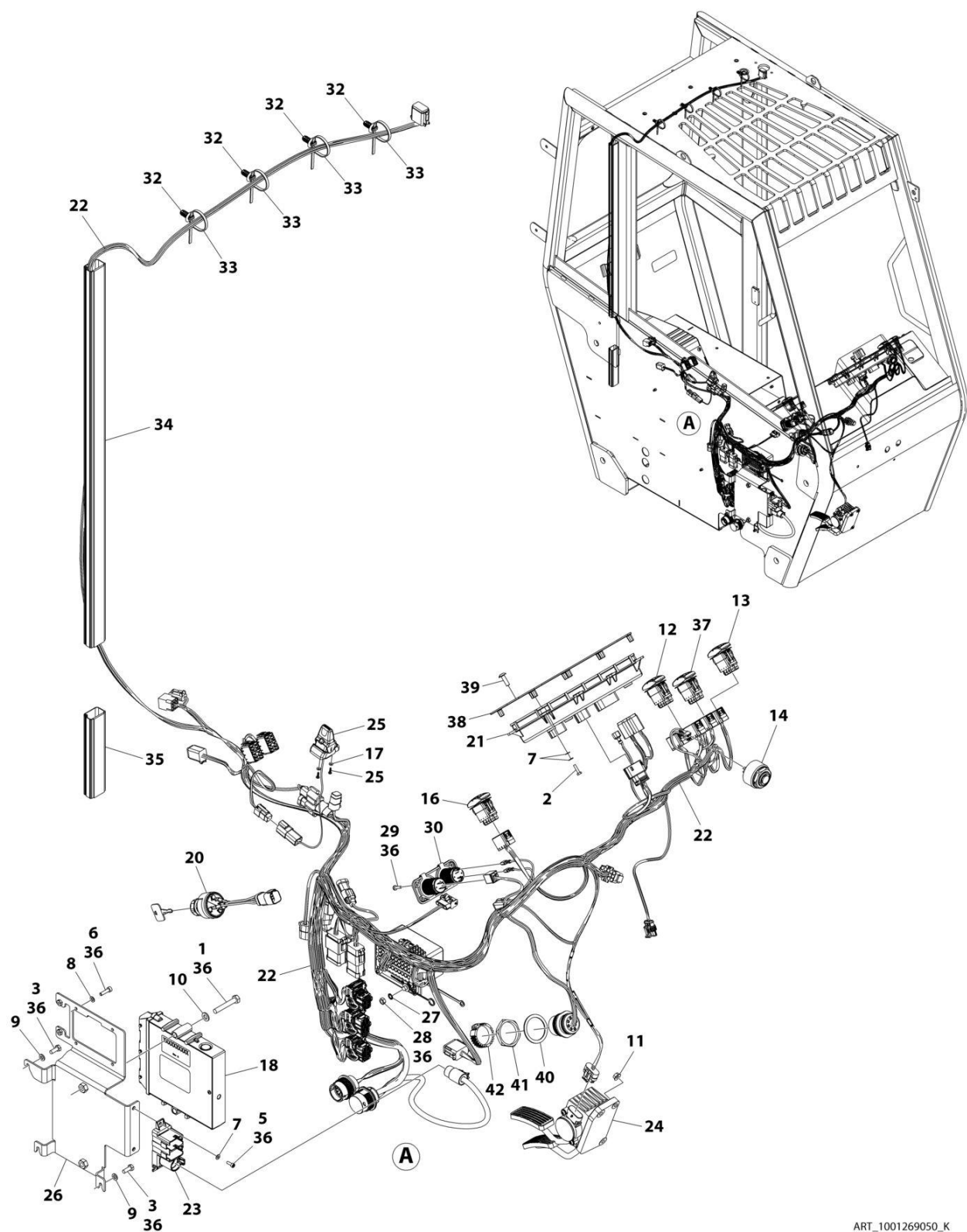
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FIGURE 10-9. BOOM SENSOR INSTALLATION (WITH LSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001293006	Ref	BOOM SENSOR INSTALLATION (WITH LSI)	B
1	0100011	AR	Compound, Locking	
2	0700616	1	Bolt M6 x 40	
3	0700816	2	Bolt M8 x 40	
4	3290601	2	Nut M6	
5	3290605	2	Nut M6	
6	4010415	2	Screw M4 x 35	
7	4811700	1	Washer M6	
8	4811900	2	Washer M8	
9	1001099717	1	Sensor, Angle	
10	1001103156	1	Pin	
11	1001134274	1	Clevis	
12	1001246993	1	Joint Ball	
13	1001271171	1	Rod	
14	1001273793	1	Strap, Push Mount	
15	1001274427	1	Link	
16	1001293003	1	Bracket	
17	4010610002	1	Screw M6 x 20	
18	4761400	2	Washer 1/4	

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FIGURE 10-10. CAB ELECTRICAL INSTALLATION



ART_1001269050_K

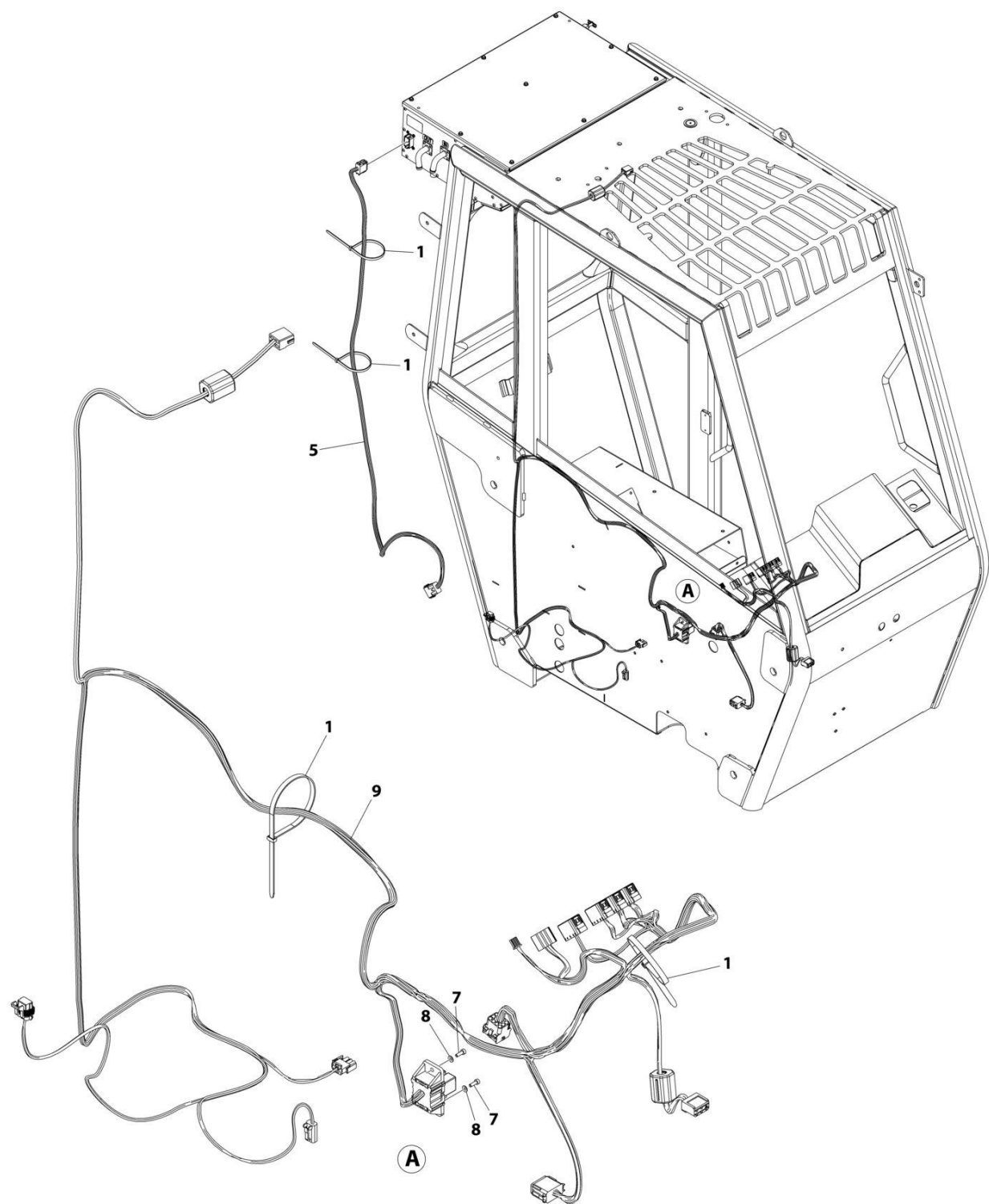
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FIGURE 10-10. CAB ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001269050	Ref	CAB ELECTRICAL INSTALLATION	K
1	0700818	2	Bolt M8 x 50	
2	0760408	8	Bolt M4 x 16	
3	0760608	3	Bolt M6 x 16	
5	4031506	2	Screw M4 x 12	
6	4031608	4	Screw M5 x 20	
7	4811400	18	Washer M4	
8	4811600	4	Washer M5	
9	4811700	3	Washer M6	
10	4811900	2	Washer M8	
11	5260600	3	Nut M6	
12	1001279677	1	Switch, Steer	
13	1001279153	1	Switch, Park Brake	
14	1001091751	1	Alarm, Buzzer	
16	1001279155	1	Switch, Auxiliary	
17	4811250	2	Washer M2.5	
18	1001270466	1	Controller	
20	1001273305	1	Switch, Ignition	
20	1001283425	2	Key, Switch Ignition	
21	1001308193	1	Gauge	
22	1001270994	1	Cab Harness (See Separate Breakdown in this Section)	
23	1001271293	1	Electrical Assembly, Bussbar 24 Way	
24	1001271463	1	Pedal, Throttle	
25	1001316262	1	Switch, Frame Sway (Includes Screws)	
26	1001282348	1	Bracket	
27	4871700	1	Washer M6	
28	3290601	1	Nut M6	
29	1001126837	4	Screw M4 x 16	
30	1001283424	1	Electrical Assembly, Dual Charger	
32	1001202986	4	Mount, Tie-Strap	
33	8584001	4	Tie-Strap	
34	1001182091	1	Duct, Wire	
35	1001269274	1	Duct, Wire	
36	0100011	AR	Compound, Locking	
37	1001279156	1	Switch, Beacon	
38	1001291051	1	Panel	
39	1001272884	4	Bolt M6 x 20	
40	1001125784	1	Washer	
41	1001125785	1	Nut	
42	1001149712	1	Cap, Dust	

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FIGURE 10-11. CAB ELECTRICAL INSTALLATION - ENCLOSED CAB



ART_1001273610

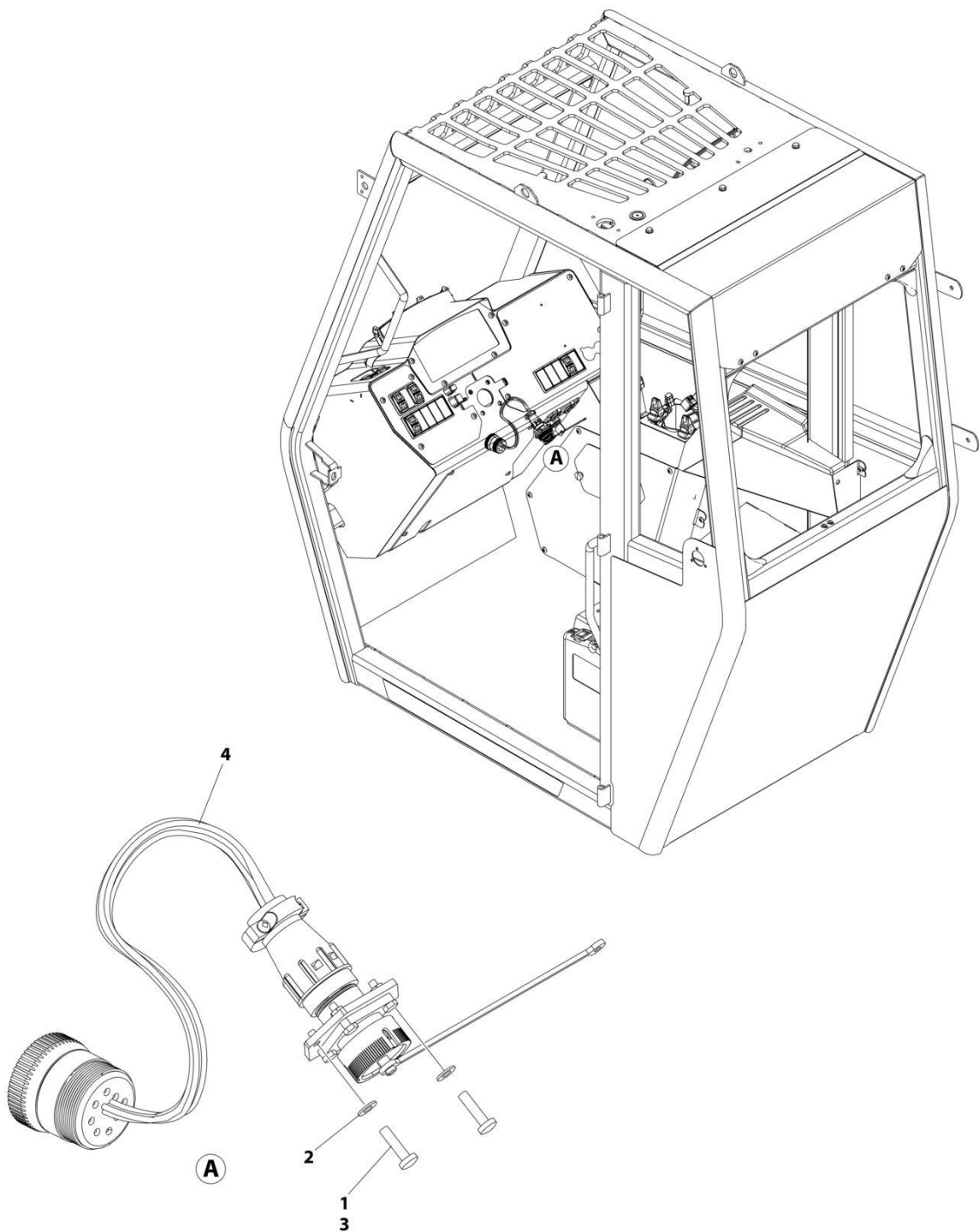
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FIGURE 10-11. CAB ELECTRICAL INSTALLATION - ENCLOSED CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001273610	Ref	CAB ELECTRICAL INSTALLATION - ENCLOSED CAB	C
1	1062255	9	Tie-Strap	
5	1001273898	1	Cab AC Jumper Harness (See Separate Breakdown in this Section)	
7	4031506	2	Capscrew M4 x 12	
8	4811400	2	Washer M4	
9	1001277223	1	Cab HVAC/Wiper Harness (See Separate Breakdown in this Section)	

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FIGURE 10-12. CAB DIAGNOSTIC PLUG INSTALLATION



ART_1001284424

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FIGURE 10-12. CAB DIAGNOSTIC PLUG INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284424	Ref	CAB DIAGNOSTIC PLUG INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	4811400	2	Washer M4	
3	1001126837	2	Screw M4 x 16	
4	1001282982	1	Diagnostic Harness	

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FIGURE 10-13. CAB HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270994	Ref	CAB HARNESS	E
1	8220051	2	Terminal	
2	1001160502	1	Connector	
3	1001161097	22	Terminal	
4	1001161098	4	Terminal	
5	1001161099	2	Terminal	
6	1001161959	1	Connector	
7	1001161097	14	Terminal	
8	1001161098	1	Terminal	
9	1001160498	1	Connector	
10	1001161097	16	Terminal	
11	1001161098	6	Terminal	
12	1001161099	2	Terminal	
13	1001285586	1	Connector	
14	8220097	16	Terminal	
15	1001116725	5	Terminal	
16	1001255719	2	Terminal	
17	4460458	18	Seal	
18	80963067	2	Seal	
19	4460748	1	Seal	
20	1001189877	2	Seal	
21	8220116	1	Terminal	
22	1001255772	1	Connector	
23	1001162887	6	Terminal	
24	4461216	1	Connector	
25	4460465	4	Terminal	
26	4460930	1	Connector	
27	4460944	5	Terminal	
28	4460539	1	Connector	
29	4460944	2	Terminal	
30	4460933	1	Connector	
31	4460944	10	Terminal	
32	4460930	1	Connector	
33	4460944	3	Terminal	
34	1001116812	1	Connector	
35	4460944	3	Terminal	
36	1001116812	1	Connector	
37	4460944	2	Terminal	
38	4460966	1	Connector	
39	4460944	2	Terminal	
40	1001230931	1	Connector	
41	1001116748	6	Terminal	
42	8220050	1	Terminal	
43	4460894	1	Connector	
44	4460465	3	Terminal	
45	1001117081	1	Connector	
46	1001223455	5	Terminal	
47	1001118384	1	Terminal	
48	1001117081	1	Connector	
49	1001223455	3	Terminal	

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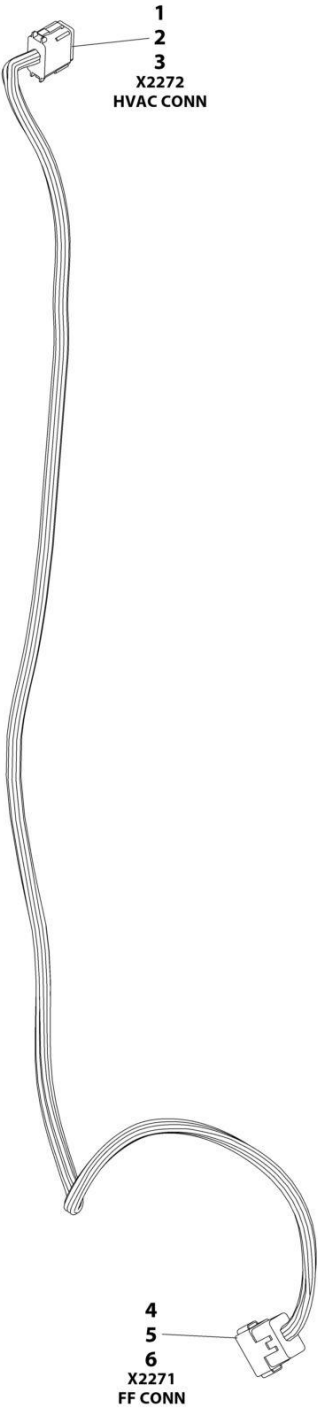
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001118384	4	Terminal	
51	1001116723	2	Terminal	
52	1001117081	1	Connector	
53	1001223455	1	Terminal	
54	1001118384	5	Terminal	
55	1001117081	1	Connector	
56	1001223455	5	Terminal	
57	1001118384	2	Terminal	
58	1001117081	1	Connector	
59	1001223455	6	Terminal	
60	1001220379	1	Connector	
61	4460465	4	Terminal	
62	4460894	1	Connector	
63	4460465	6	Terminal	
64	1001117081	1	Connector	
65	1001118384	3	Terminal	
66	1001116723	2	Terminal	
67	1001223455	1	Terminal	
68	1001117081	1	Connector	
69	1001118384	4	Terminal	
70	1001116723	2	Terminal	
71	1001223455	1	Terminal	
72	1001117081	1	Connector	
73	1001118384	5	Terminal	
74	1001223455	1	Terminal	
75	4460266	1	Connector	
76	4460226	7	Terminal	
77	4461016	1	Connector	
78	4460464	8	Terminal	
79	4460943	6	Terminal	
80	1001119032	1	Connector	
81	4460227	4	Terminal	
82	1001118322	1	Connector	
83	91013191	2	Terminal	
84	4460464	2	Terminal	
85	4460941	2	Terminal	
86	4460343	1	Connector	
87	4460906	1	Terminal	
88	4460268	9	Terminal	
89	4460930	1	Connector	
90	4460465	4	Terminal	
91	4460944	4	Terminal	
92	4461077	1	Connector	
93	4460928	4	Terminal	
94	4461095	1	Connector	
95	4460944	2	Terminal	
96	4461095	1	Connector	
97	4460944	2	Terminal	
98	4460891	1	Connector	
99	4460465	2	Terminal	
100	1001118684	1	Connector	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	1001116754	2	Terminal	
102	4460539	1	Connector	
103	4460465	3	Terminal	
104	4460434	1	Connector	
105	4460268	12	Terminal	
106	1001249095	1	Connector	
107	4460943	4	Terminal	
108	4460464	2	Terminal	
109	4460894	1	Connector	
110	4460465	2	Terminal	
111	1001194421	2	Terminal	
112	4460894	1	Connector	
113	4460465	3	Terminal	
114	4460933	1	Connector	
115	4460465	12	Terminal	
116	1001271411	1	Connector	
117	91013192	1	Terminal	
118	4461262	1	Connector	
119	1001237212	3	Terminal	
120	1001104498	3	Seal	
201	4460945	2	Connector, 3 Way	
202	4460984	1	Connector	
203	4461070	1	Resistor	
209	1001116815	2	Connector	
210	1001125677	1	Connector, Bussbar	
211	1001190921	1	Seal, Fuse Box	

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FIGURE 10-14. CAB AC JUMPER HARNESS



ART_1001273898

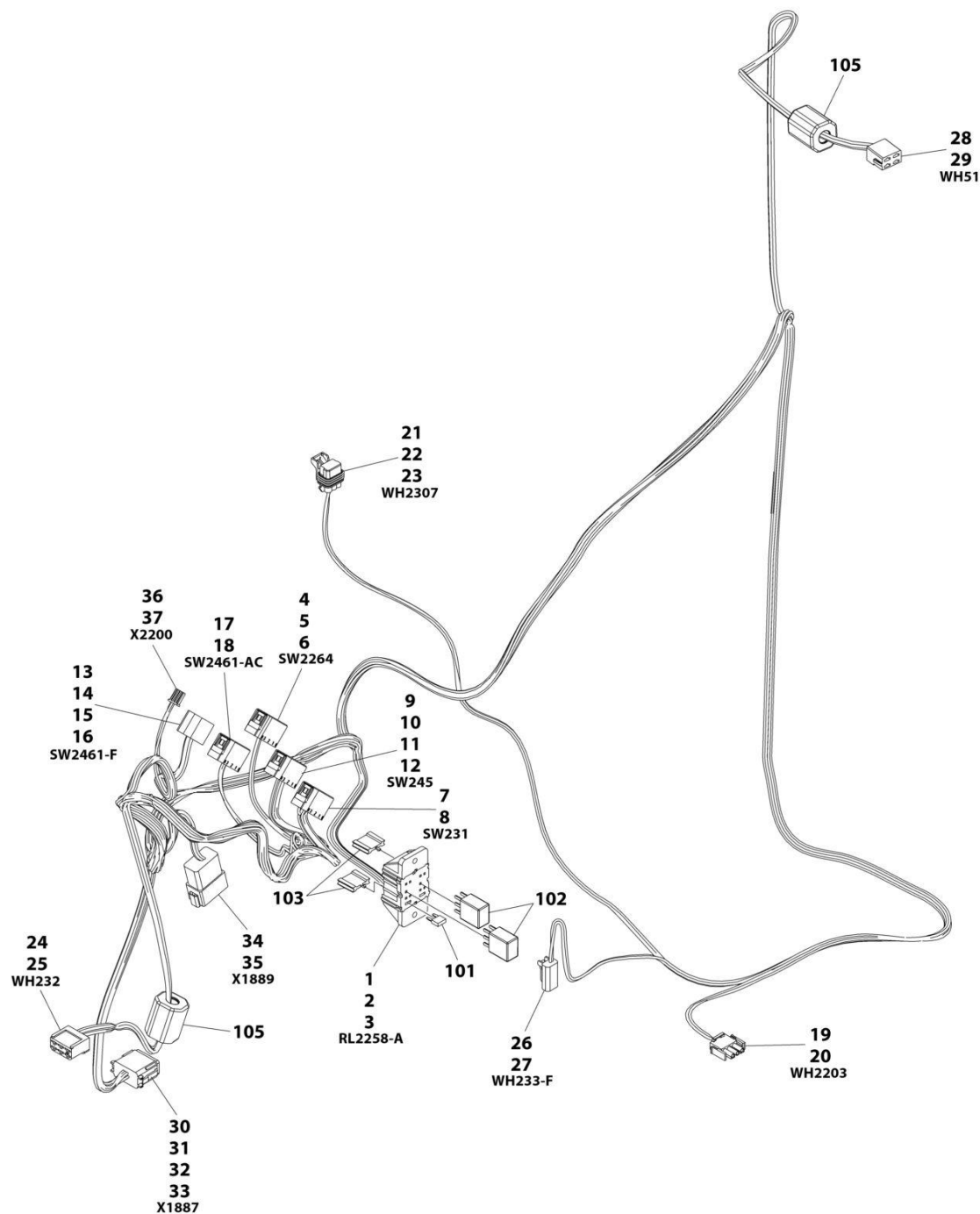
SECTION 10 - ELECTRICAL

FIGURE 10-14. CAB AC JUMPER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001273898	Ref	CAB AC JUMPER HARNESS	D
1	4460933	1	Connector	
2	4460942	11	Terminal	
3	4460466	1	Plug, Terminal	
4	4460970	1	Connector	
5	4460941	11	Terminal	
6	4460466	1	Plug, Terminal	

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FIGURE 10-15. CAB HVAC/WIPER HARNESS



ART_1001277223

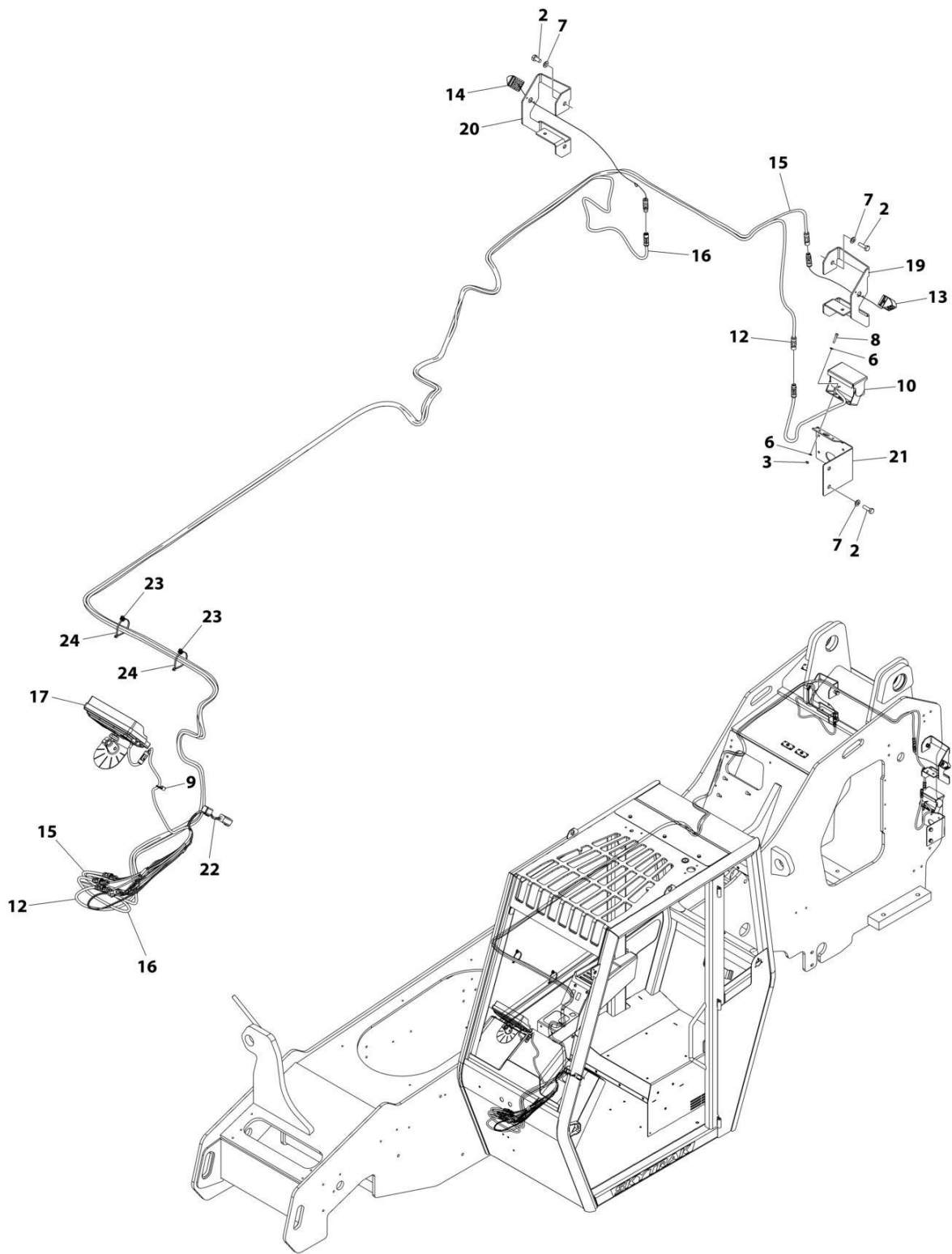
SECTION 10 - ELECTRICAL

FIGURE 10-15. CAB HVAC/WIPER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277223	Ref	CAB HVAC/WIPER HARNESS	E
1	1001177198	1	Connector	
2	1001116710	7	Terminal	
3	1001116711	4	Terminal	
4	1001117081	1	Connector	
5	1001223455	1	Terminal	
6	1001118384	4	Terminal	
7	1001117081	1	Connector	
8	1001118384	13	Terminal	
9	1001117081	1	Connector	
10	1001116723	2	Terminal	
11	1001265008	2	Terminal	
12	1001118384	4	Terminal	
13	1001117080	1	Connector	
14	1001265008	1	Terminal	
15	1001116723	3	Terminal	
16	1001223455	1	Terminal	
17	1001117081	1	Connector	
18	1001223455	4	Terminal	
19	4460326	1	Connector	
20	4460268	2	Terminal	
21	8220895	1	Connector	
22	8220124	3	Terminal	
23	4460608	3	Seal	
24	1001116997	1	Connector	
25	1001118384	5	Terminal	
26	4460891	1	Connector	
27	4460465	2	Terminal	
28	1001116986	1	Connector	
29	1001118384	4	Terminal	
30	4460933	1	Connector	
31	1001116692	1	Terminal	
32	4460465	7	Terminal	
33	4460942	2	Terminal	
34	4460367	1	Connector	
35	4460267	10	Terminal	
36	1001184473	1	Connector	
37	1001184479	3	Terminal	
101	8229242	1	Fuse 5 Amp	
102	1001205172	2	Relay	
103	4461103	2	Relay	
105	1001197943	2	Insulate, Bead	

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FIGURE 10-16. CAMERA INSTALLATION - BACK UP (WITHOUT LIGHTS)



ART_1001268929_H

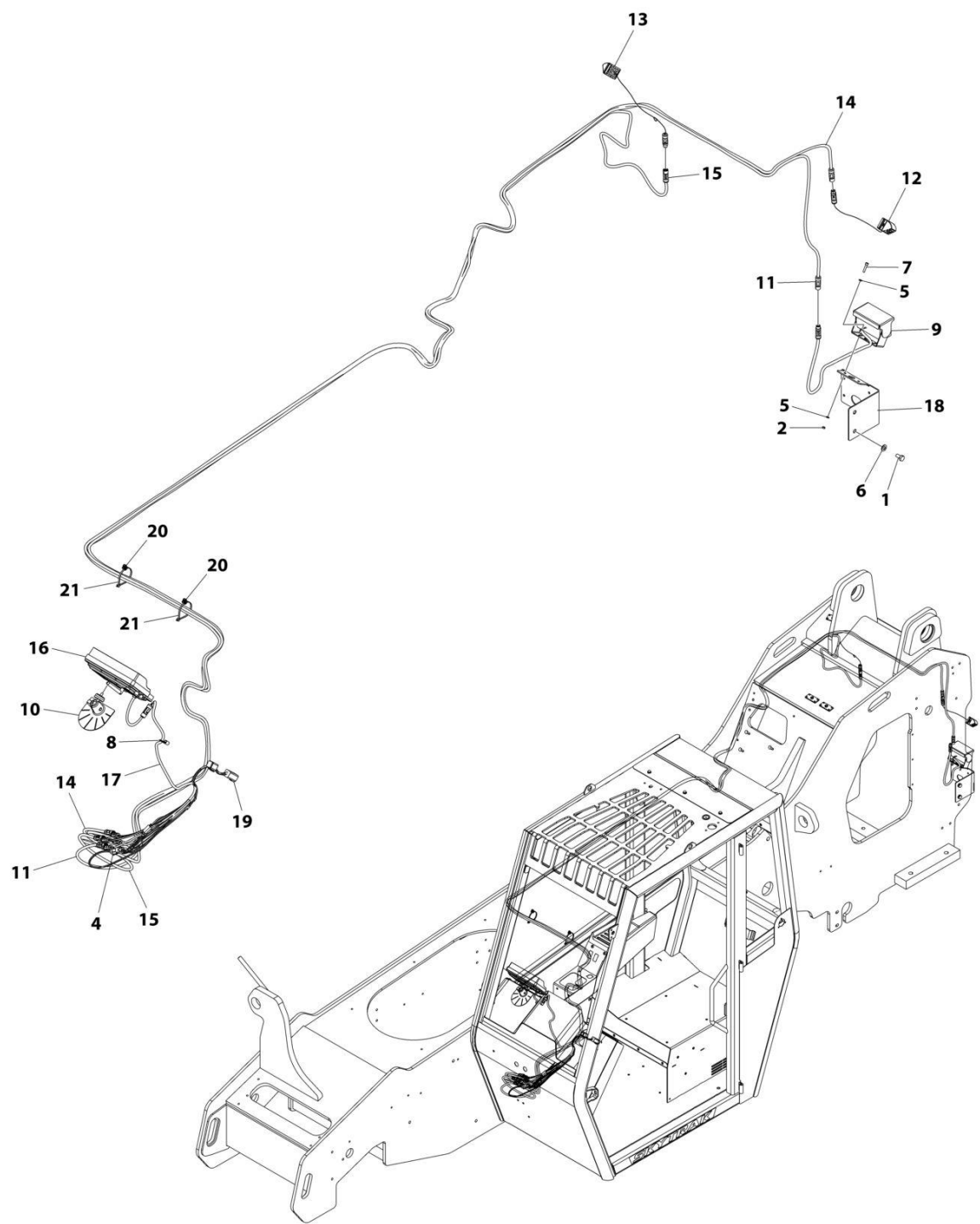
SECTION 10 - ELECTRICAL

FIGURE 10-16. CAMERA INSTALLATION - BACK UP (WITHOUT LIGHTS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268929	Ref	CAMERA INSTALLATION	H
2	0761010	6	Bolt M10 x 20	
3	3290501	2	Nut M5	
6	4811600	4	Washer M5	
7	4812000	6	Washer M10	
8	5271609	2	Capscrew M5 x 25	
9	8406009	1	Clamp	
10	1001233174	1	Camera, Rear View	
12	1001233434	1	Cable, Camera Extension	
13	1001264534	1	Camera, Side View (LH)	
13	70031717	1	Cable, Camera	
14	1001264536	1	Camera, Side View (RH)	
14	70031717	1	Cable, Camera	
15	1001265979	1	Cable, Extension Cable (LH Camera)	
16	1001265980	1	Cable, Extension Cable (RH Camera)	
17	1001289479	1	Monitor, View	
19	1001295355	1	Bracket (RH)	
20	1001295356	1	Bracket (LH)	
21	1001274209	1	Plate	
22	1001274818	1	Harness, Rear Camera (See Separate Breakdown in this Section)	
23	1001273793	2	Tie-Strap	
24	1001008559	2	Tie-Strap	

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FIGURE 10-17. CAMERA INSTALLATION - BACK UP (WITH LIGHTS)



ART_1001274446

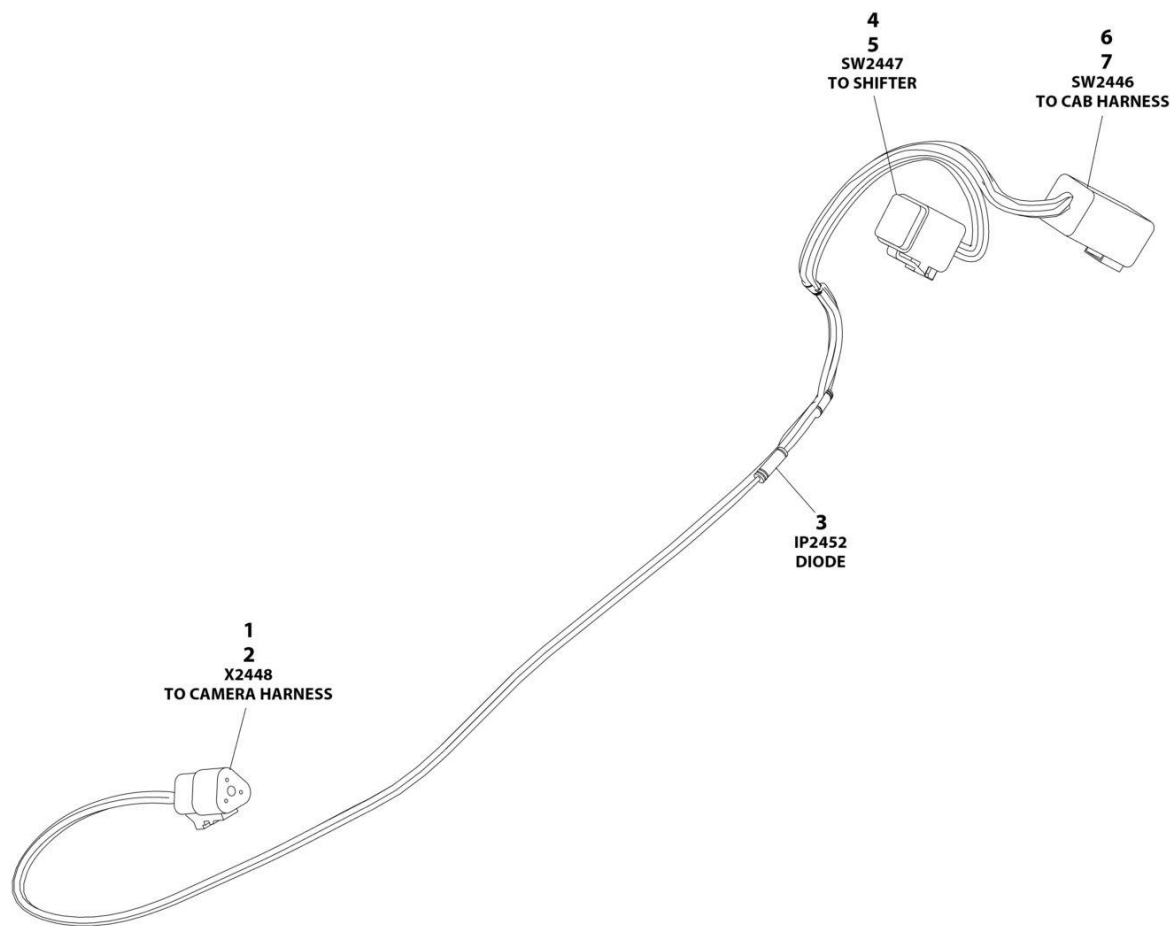
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FIGURE 10-17. CAMERA INSTALLATION - BACK UP (WITH LIGHTS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274446	Ref	CAMERA INSTALLATION - BACK UP (WITH LIGHTS)	E
1	0761010	2	Bolt M10 x 20	
2	3290501	2	Nut M5	
4	4460248	1	Terminal	
5	4811600	4	Washer M5	
6	4812000	2	Washer M10	
7	5271609	2	Capscrew M5 x 25	
8	8406009	1	Clamp	
9	1001233174	1	Camera, Rear View	
10	1001233217	1	Bracket	
11	1001233434	1	Cable, Camera Extension	
12	1001264534	1	Camera, Side View (LH)	
12	70031717	1	Cable, Camera	
13	1001264536	1	Camera, Side View (RH)	
13	70031717	1	Cable, Camera	
14	1001265979	1	Cable, Extension Cable (LH Camera)	
15	1001265980	1	Cable, Extension Cable (RH Camera)	
16	1001289479	1	Monitor, View	
17	1001265987	1	Cable, Monitor	
18	1001274209	1	Plate	
19	1001274818	1	Harness, Rear Camera (See Separate Breakdown in this Section)	
20	1001273793	2	Tie-Strap	
21	1001008559	2	Tie-Strap	

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FIGURE 10-18. CAMERA HARNESS - BACK UP CAMERA



ART_1001274818

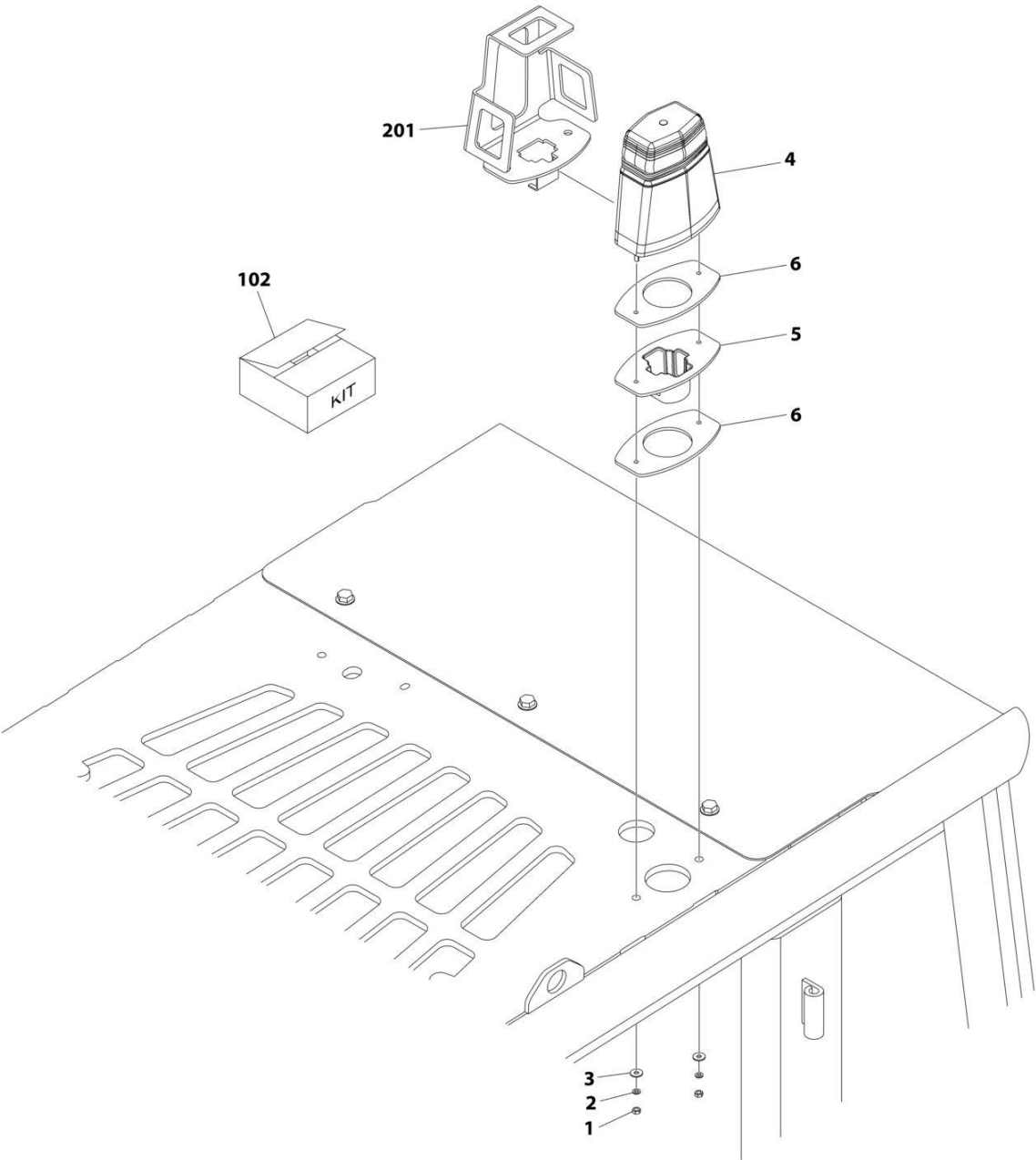
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FIGURE 10-18. CAMERA HARNESS - BACK UP CAMERA

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274818	Ref	CAMERA HARNESS - BACK UP (WITHOUT LIGHTS)	B
1	4460539	1	Connector	
2	4460465	3	Terminal	
3	NPN	1	Diode	
4	4460894	1	Connector	
5	4460465	6	Terminal	
6	4460899	1	Connector	
7	4460464	6	Terminal	

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FIGURE 10-19. CLEARSKY CS550 BEACON INSTALLATION



ART_100128867_B

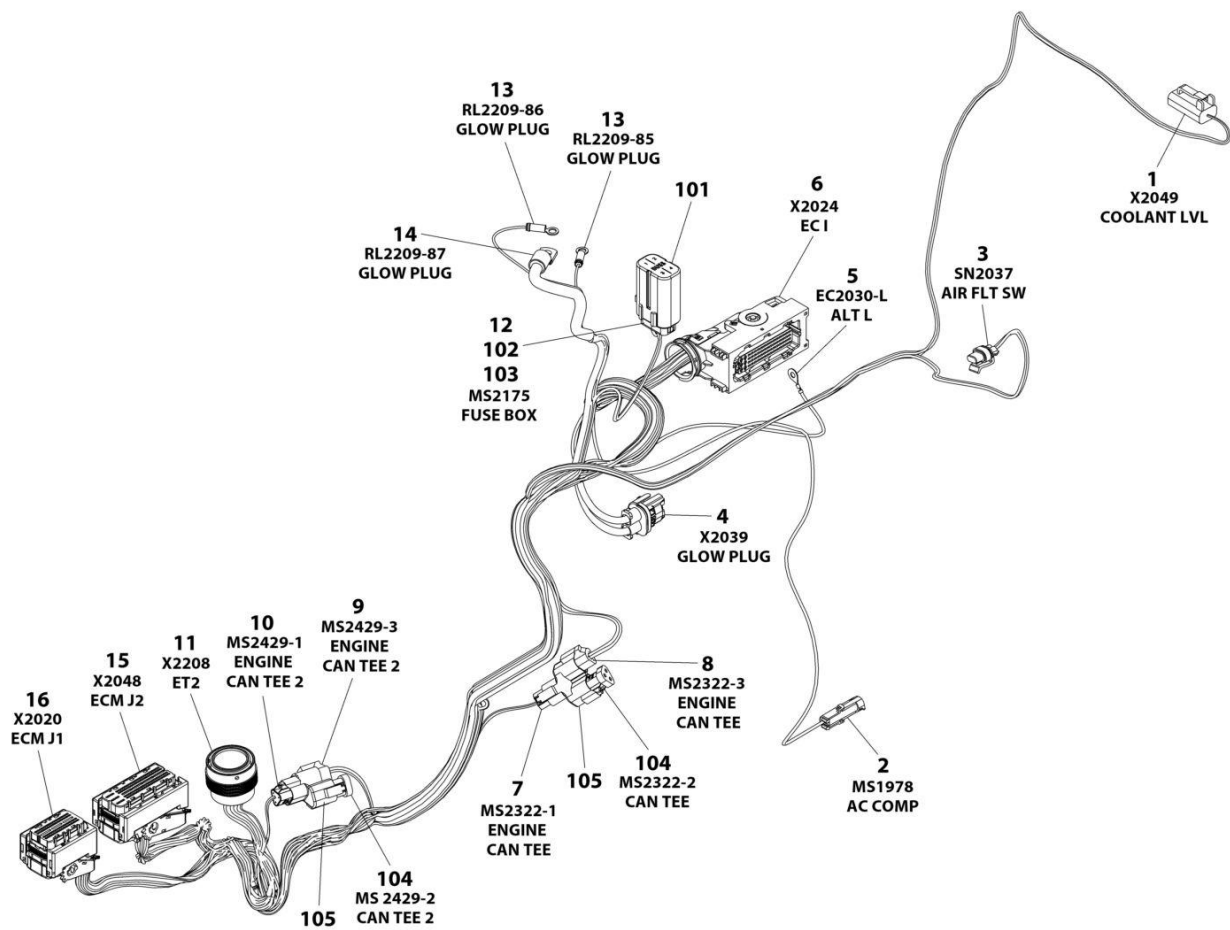
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FIGURE 10-19. CLEARSKY CS550 BEACON INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001288677	Ref	BEACON/CLEARSKY INSTALLATION	B
1	3290401	2	Nut M4	
2	4831400	2	Washer M4	
3	1001091102	2	Washer M4	
4	1001280661	1	Module, Control - ClearSky (Note: Re-calibration required when replaced)	
5	1001289648	1	Plate	
6	1001291056	2	Gasket	
102	1001302422	1	Kit, Lens Replacement	
201	1001315050	1	Shield	

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FIGURE 10-20. ENGINE HARNESS



ART_1001295701

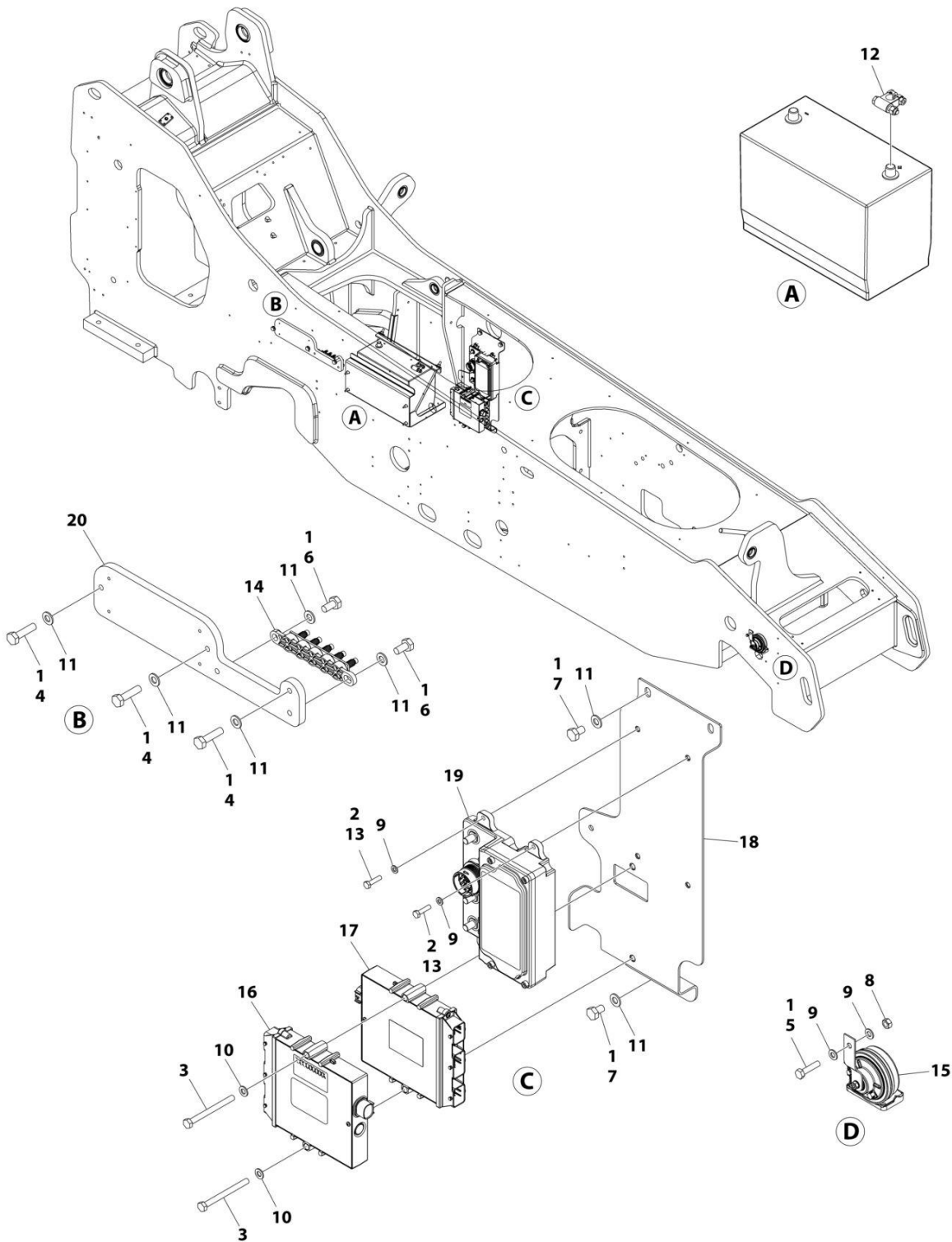
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FIGURE 10-20. ENGINE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001295701	Ref	ENGINE HARNESS ASSEMBLY	E
1	4460891	1	Connector 2 Position	
1	4460465	2	Terminal	
2	80963056	1	Connector 1 Position	
3	1001209097	1	Connector 2 Position	
3	8220124	2	Terminal	
4	1001142938	1	Connector 2 Position	
4	1001142940	2	Terminal	
5	1001187070	1	Terminal, Ring	
6	1001126362	1	Connector 62 Position	
6	1001126351	13	Terminal	
6	1001126363	25	Terminal (Gold)	
7	1001116812	1	Connector 3 Position	
7	4460465	2	Terminal	
7	4460466	1	Plug, Terminal	
8	4460539	1	Connector 3 Position	
8	4460465	2	Terminal	
8	4460466	1	Plug, Terminal	
9	4460539	1	Connector 3 Position	
9	4460465	2	Terminal	
9	4460466	1	Plug, Terminal	
10	1001116812	1	Connector 3 Position	
10	4460465	2	Terminal	
10	4460466	1	Plug, Terminal	
11	1001165309	1	Connector 19 Position	
11	1001150611	4	Terminal	
11	4460509	1	Terminal	
11	4460465	12	Terminal	
11	4460466	2	Plug, Terminal	
12	80484081	1	Connector 8 Position	
12	1001234800	4	Terminal	
12	4460748	4	Plug, Terminal	
13	4460247	2	Terminal, Ring	
14	1001200593	1	Terminal, Ring	
15	1001271461	1	Connector 94 Position	
15	1001126352	6	Terminal	
15	1001126351	1	Terminal	
15	1001126363	16	Terminal (Gold)	
15	4461008	7	Plug, Terminal	
16	1001271462	1	Connector 60 Position	
16	1001126351	13	Terminal	
16	1001126363	23	Terminal (Gold)	
101	1001129286	1	Cap	
102	1001177597	1	Module, Diode	
103	1001270952	1	Resistor 68Ohm	
104	1001116815	2	Connector 3 Position	
105	4460945	2	Connector, 3 Way	

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FIGURE 10-21. FRAME ELECTRICAL COMPONENTS INSTALLATION



ART_1001284837

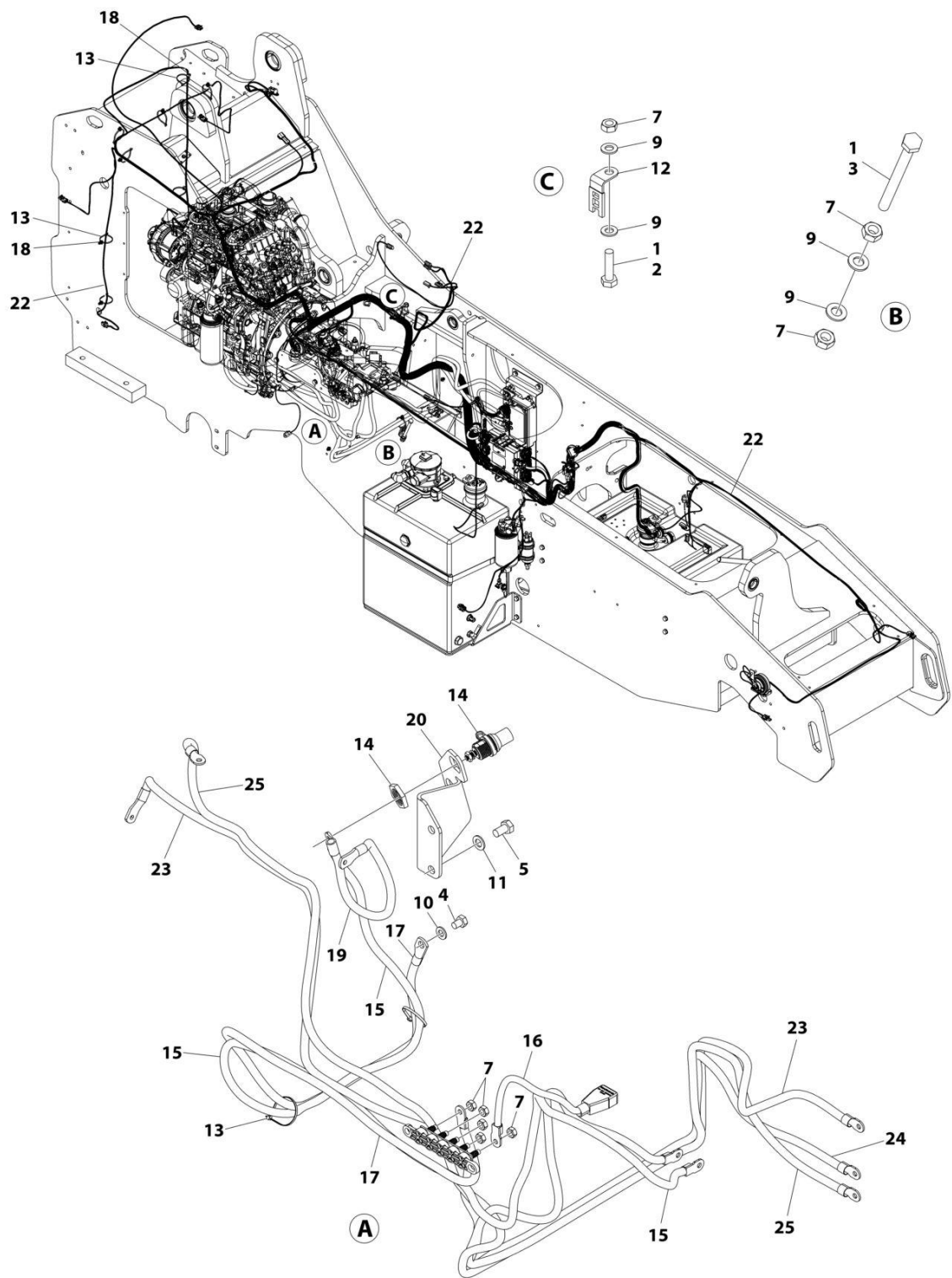
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FIGURE 10-21. FRAME ELECTRICAL COMPONENTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284837	Ref	FRAME ELECTRICAL COMPONENTS INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0700612	4	Bolt M6 x 25	
3	0700826	2	Bolt M8 x 90	
4	0701016	3	Bolt M10 x 40	
5	0760615	1	Bolt M6 x 35	
6	0761010	2	Bolt M10 x 20	
7	0761008	3	Bolt M10 x 16	
8	3290605	1	Nut M6	
9	4811700	6	Washer M6	
10	4811900	2	Washer M8	
11	4812000	8	Washer M10	
12	8270148	1	Clamp	
13	1001180620	AR	Compound, Locking	
14	1001181128	1	Bussbar	
15	1001264995	1	Horn	
16	1001270467	1	Module, Control - Front Frame	
17	1001270468	1	Module, Control - Rear Frame	
18	1001296962	1	Bracket	
19	1001272532	1	Assembly, Power Distribution Box (See Separate Breakdown in this Section)	
20	1001272667	1	Plate	

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FIGURE 10-22. FRAME HARNESS INSTALLATION



ART_1001284838

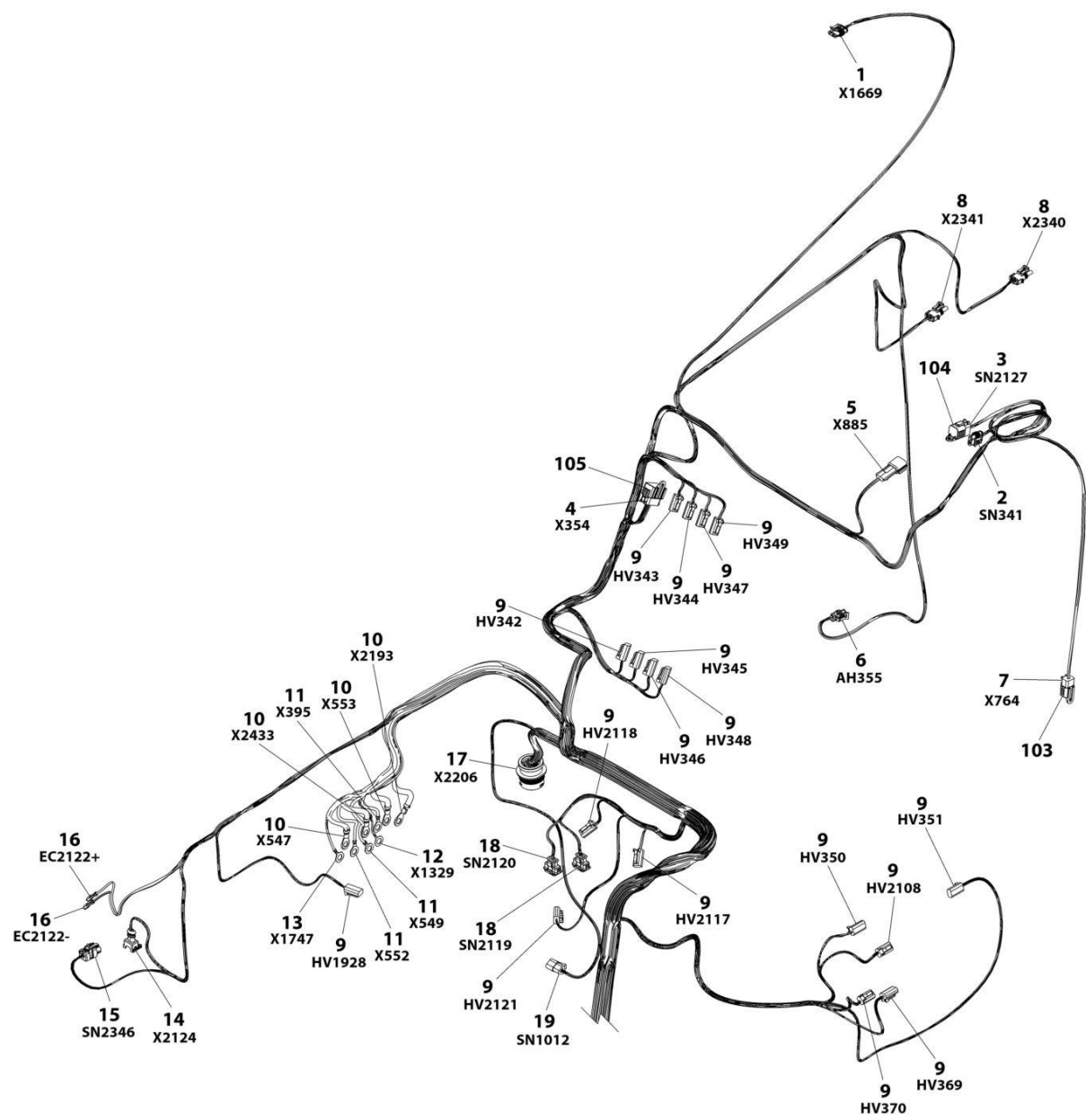
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FIGURE 10-22. FRAME HARNESS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284838	Ref	FRAME HARNESS INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0701017	1	Bolt M10 x 45	
3	0711030	1	Bolt M10 x 130	
4	0761208	1	Bolt M12 x 16	
5	0761412	2	Bolt M14 x 25	
7	3291001	8	Nut M10	
9	4812000	4	Washer M10	
10	4812100	1	Washer M12	
11	4812200	2	Washer M14	
12	1001003305	2	Clip	
13	1001008559	58	Tie-Strap	
14	1001193993	1	Terminal, Battery	
15	1001271428	1	Cable, Battery to Starter	
16	1001272157	1	Cable, Ground Battery to Buss	
17	1001272158	1	Cable, Ground Buss to Engine	
18	1001273793	43	Tie-Strap	
19	1001278248	1	Cable, Jump Post	
20	1001278778	1	Bracket	
22	1001286199	1	Frame Harness (See Separate Breakdown in this Section)	
23	1001271429	1	Cable ALT to PDM	
24	1001271430	1	Cable, Battery to PDM	
25	1001272161	1	Cable, PDM to Glow Plug Relay	

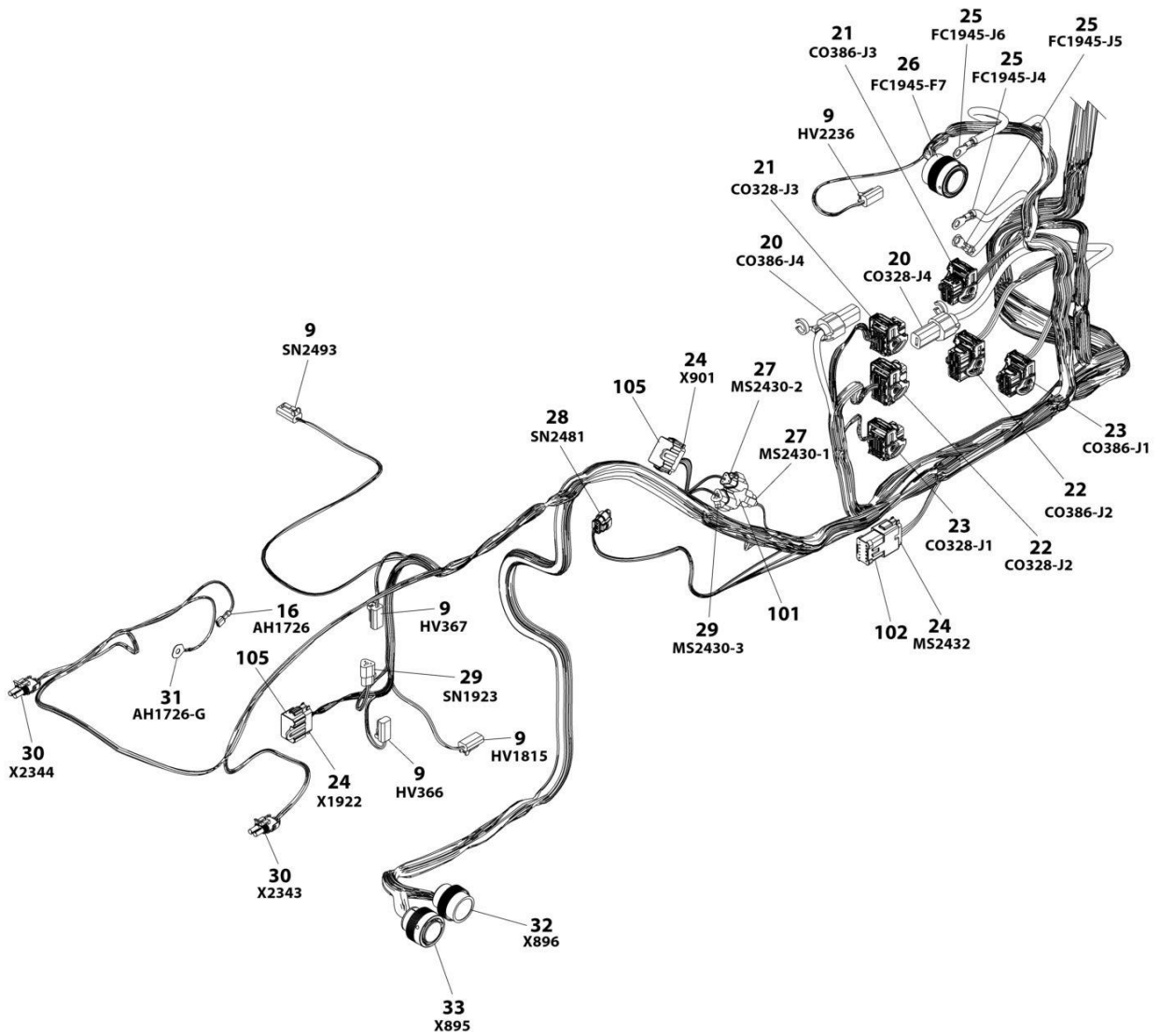
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FIGURE 10-23. FRAME HARNESS



ART_1001286199_1OF2

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ART_1001286199_20F2

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FIGURE 10-23. FRAME HARNESS

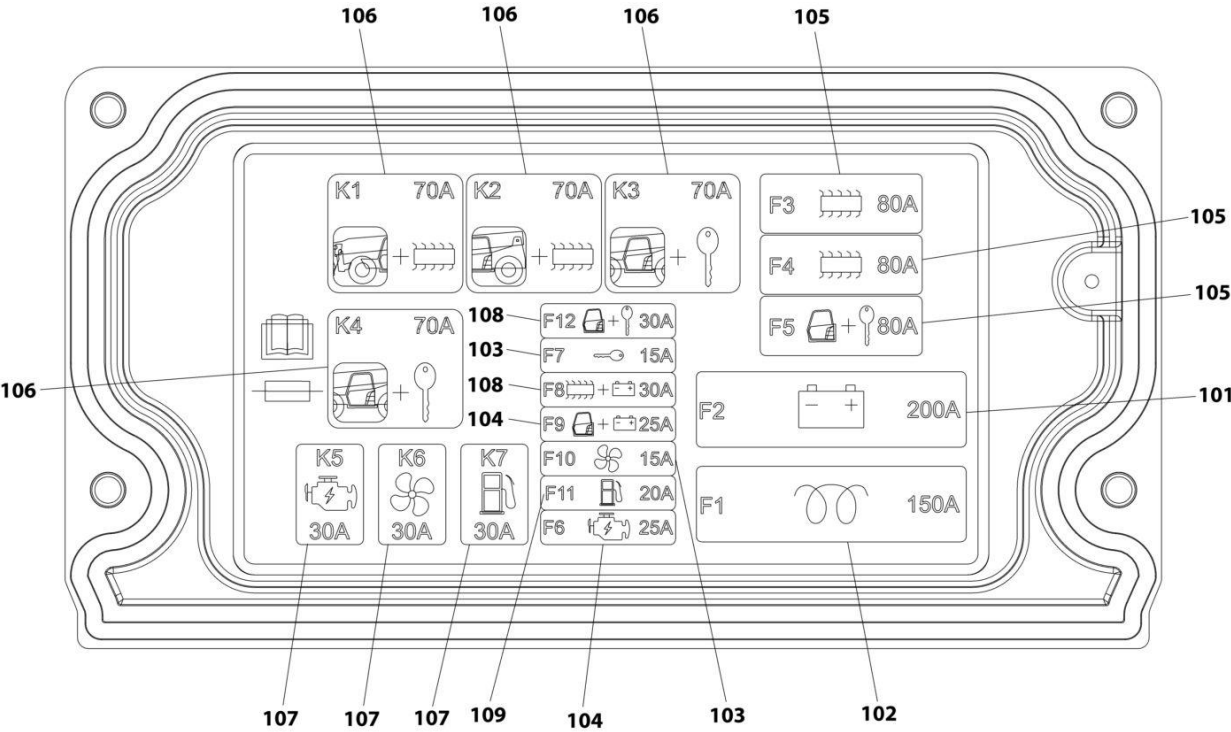
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286199	Ref	FRAME HARNESS	H
1	4461262	1	Connector 3 Position	
1	1001107854	2	Terminal	
1	1001196589	1	Terminal	
2	4461262	1	Connector 3 Position	
2	1001196589	1	Terminal	
2	1001107854	2	Terminal	
3	4460894	1	Connector 6 Position	
3	4460465	4	Terminal	
3	4460466	2	Plug, Terminal	
4	4460933	1	Connector 12 Position	
4	4460465	12	Terminal	
5	1001117026	1	Connector 2 Position	
5	1001116745	2	Terminal	
6	4461118	1	Connector 2 Position	
6	1001107854	2	Terminal	
7	4460884	1	Connector 4 Position	
7	4460465	4	Terminal	
8	4460742	2	Connector 2 Position	
8	4460743	4	Terminal	
9	4460891	22	Connector 2 Position	
9	4460465	44	Terminal	
10	1001187076	4	Terminal, Ring	
11	1001187079	3	Terminal, Ring	
12	1001187077	1	Terminal, Ring	
13	1001187078	1	Terminal, Ring	
14	1001116983	1	Connector 2 Position	
14	4460889	2	Terminal	
15	1001116950	1	Connector 2 Position	
15	4460465	2	Terminal	
16	8220051	3	Terminal, Ring	
17	1001188293	1	Connector 19 Position	
17	1001150610	4	Terminal	
17	4460508	1	Terminal	
17	4460464	12	Terminal	
17	4460466	2	Plug, Terminal	
18	1001126483	2	Connector 3 Position	
18	1001126484	6	Terminal	
19	4460539	1	Connector 3 Position	
19	4460465	3	Terminal	
20	1001160509	2	Connector 1 Position	
21	1001160499	2	Connector 32 Position	
21	1001161095	14	Terminal	
21	1001161097	15	Terminal	
21	1001161100	35	Plug, Terminal	
22	1001161964	2	Connector 48 Position	
22	1001161095	13	Terminal	
22	1001161097	38	Terminal	
22	1001161098	1	Terminal	
22	1001161100	44	Plug, Terminal	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
23	1001161958	2	Connector 32 Position	
23	1001161097	18	Terminal	
23	1001161100	46	Plug, Terminal	
24	4460933	3	Connector 12 Position	
24	4460465	31	Terminal	
24	4460466	5	Plug, Terminal	
25	1001187075	3	Terminal, Ring	
26	1001165309	1	Connector 19 Position	
26	1001150611	2	Terminal	
26	4460509	6	Terminal	
26	4460465	9	Terminal	
26	4460466	2	Plug, Terminal	
27	1001116812	2	Connector 3 Position	
27	4460465	4	Terminal	
27	4460466	2	Plug, Terminal	
28	1001285634	1	Connector 4 Position	
29	4460539	2	Connector 3 Position	
29	4460465	5	Terminal	
29	4460466	1	Plug, Terminal	
30	4460742	2	Connector 2 Position	
30	4460457	4	Terminal	
31	1001187073	1	Terminal, Ring	
32	4461015	1	Connector 14 Position	
32	4460465	14	Terminal	
33	1001118323	1	Connector 6 Position	
33	91013192	2	Terminal	
33	4460942	4	Terminal	
101	4460945	1	Connector - 3 Way	
102	1001125677	1	Bussbar	
103	1001192401	1	Cap, Dust	
104	1001213448	1	Cap, Dust	
105	1001215898	3	Cap, Dust	

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FIGURE 10-24. FRAME FUSEBOX ASSEMBLY



ART_1001272532

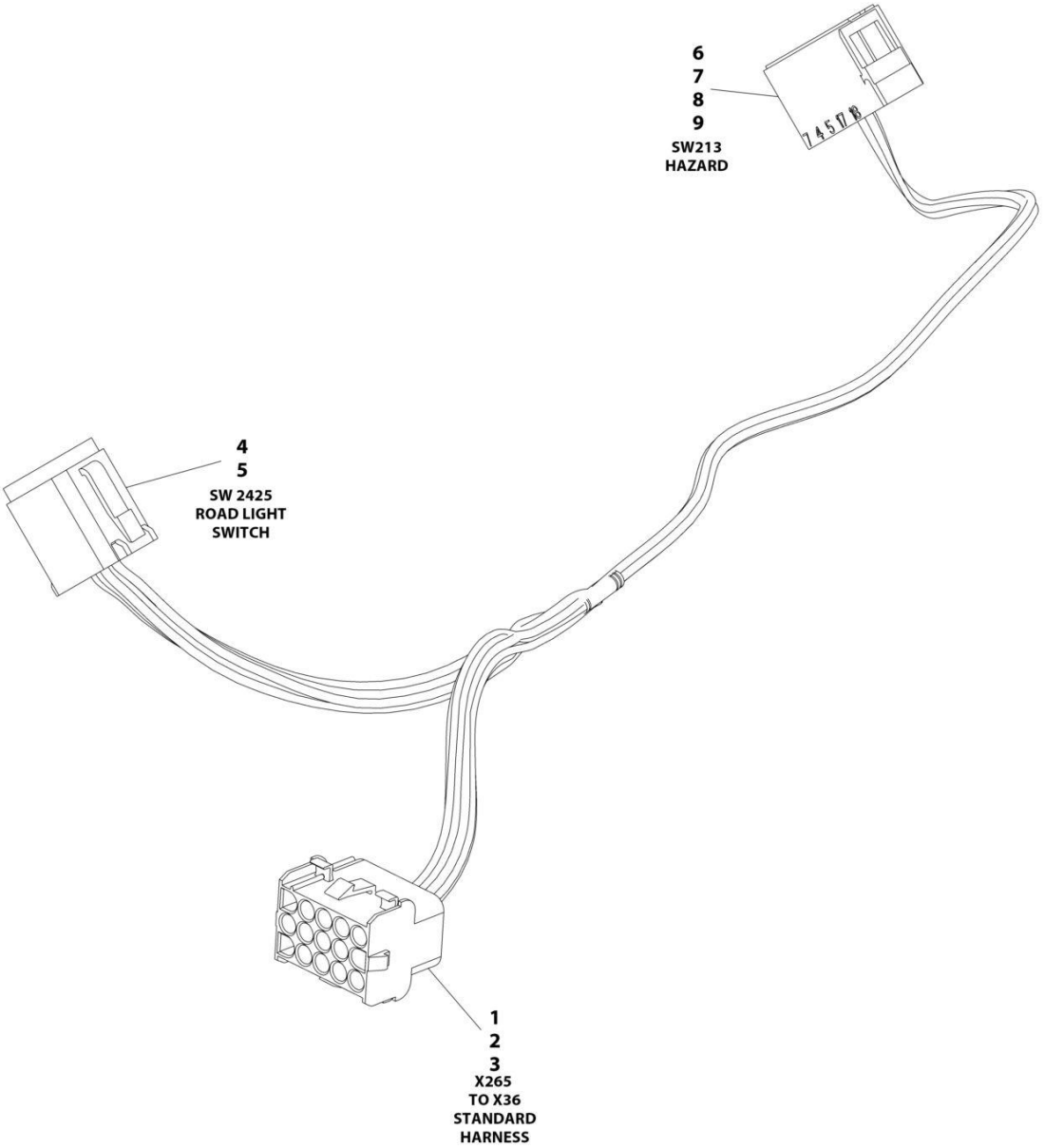
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FIGURE 10-24. FRAME FUSEBOX ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001272532	Ref	FUSEBOX ASSEMBLY - FRAME	A
101	70026296	1	Fuse, 200AMP	
102	70031248	1	Fuse, 150AMP	
103	70031249	2	Fuse, 15AMP	
104	70031250	2	Fuse, 25AMP	
105	70026297	3	Fuse, 80AMP	
106	70025317	4	Relay, 70A	
107	70026295	3	Relay, 35AMP	
108	70031251	2	Fuse, 30AMP	
109	70031252	1	Fuse, 20AMP	

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FIGURE 10-25. HEADLIGHT HARNESS



ART_1001277224

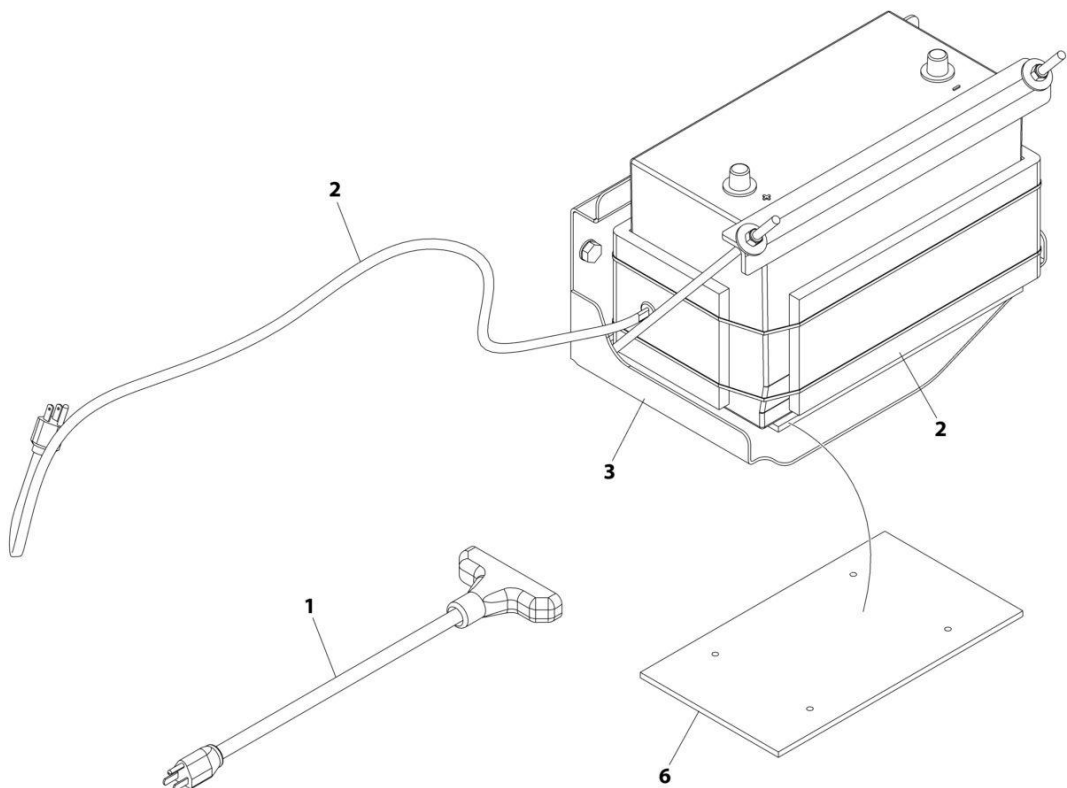
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FIGURE 10-25. HEADLIGHT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001277224	Ref	HEADLIGHT HARNESS	B
1	4460708	1	Connector	
2	4460227	6	Terminal	
3	4460267	4	Terminal	
4	4460930	1	Connector	
5	4460465	8	Terminal	
6	1001117079	1	Connector	
7	1001116723	1	Terminal	
8	1001118384	3	Terminal	
9	1001223455	1	Terminal	

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FIGURE 10-26. HEATER INSTALLATION - BATTERY



ART_1001275785

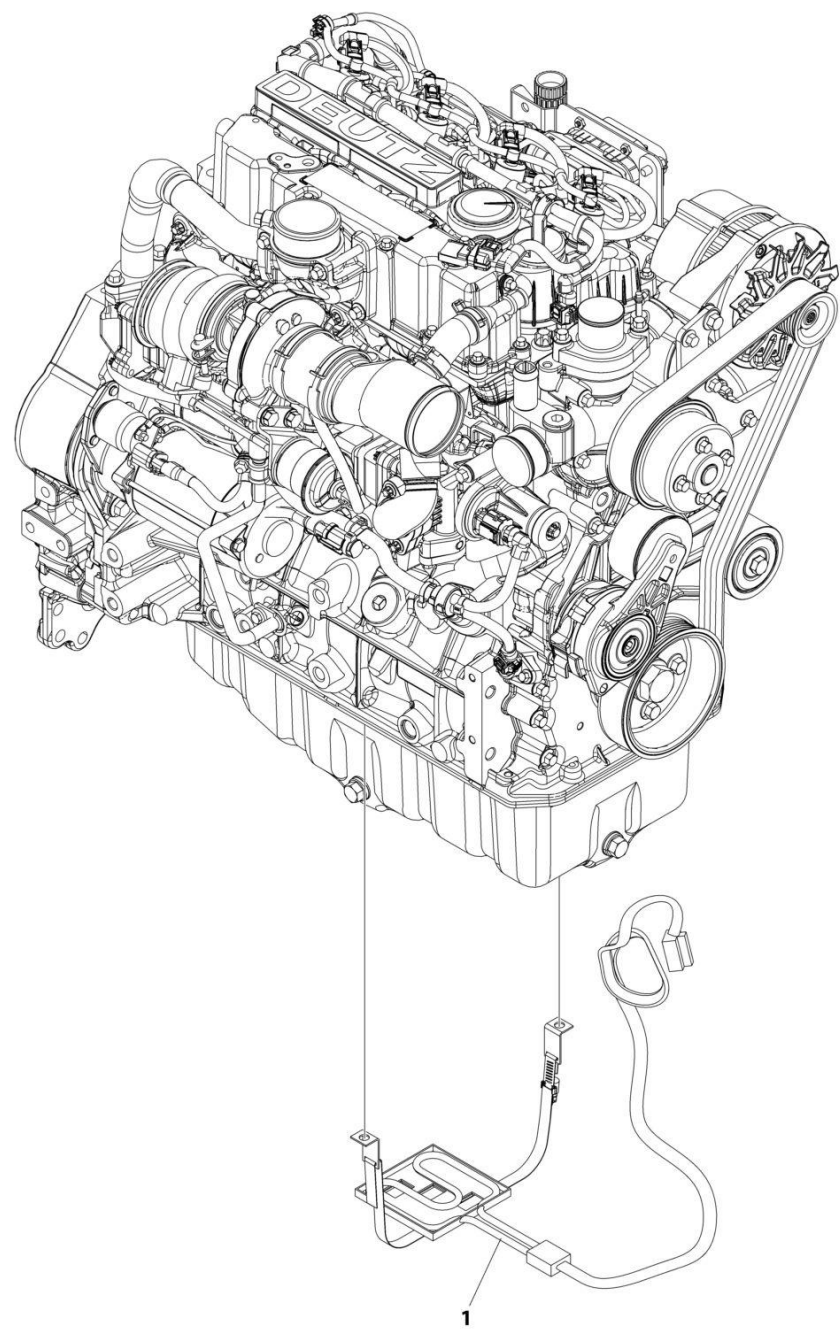
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FIGURE 10-26. HEATER INSTALLATION - BATTERY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275785	Ref	HEATER INSTALLATION - BATTERY	C
1	1060626	1	3 Way Plug	
2	1001093564	1	Battery Heater	
3	1001268935	1	Battery	
4	1001273793	2	Tie-Strap (Not Shown)	
5	1001008559	2	Tie-Strap (Not Shown)	
6	1001119278	1	Battery Insulate	

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FIGURE 10-27. HEATER INSTALLATION - ENGINE OIL PAN



ART_1001280332

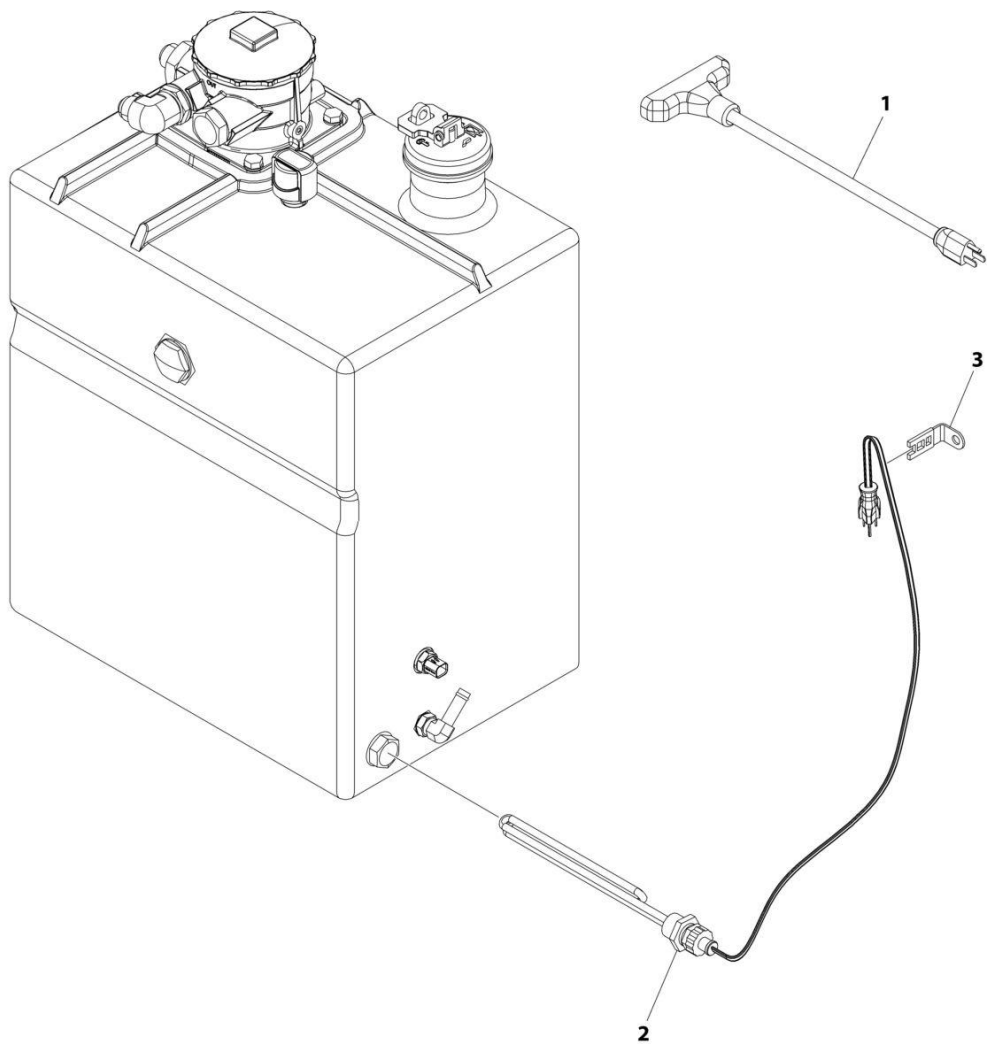
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FIGURE 10-27. HEATER INSTALLATION - ENGINE OIL PAN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001280332	Ref	HEATER INSTALLATION - ENGINE OIL PAN	D
1	2580057	1	Engine Block Heater	
2	1001008559	2	Tie-Strap (Not Shown)	

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FIGURE 10-28. HEATER INSTALLATION - HYDRAULIC TANK



ART_1001275784

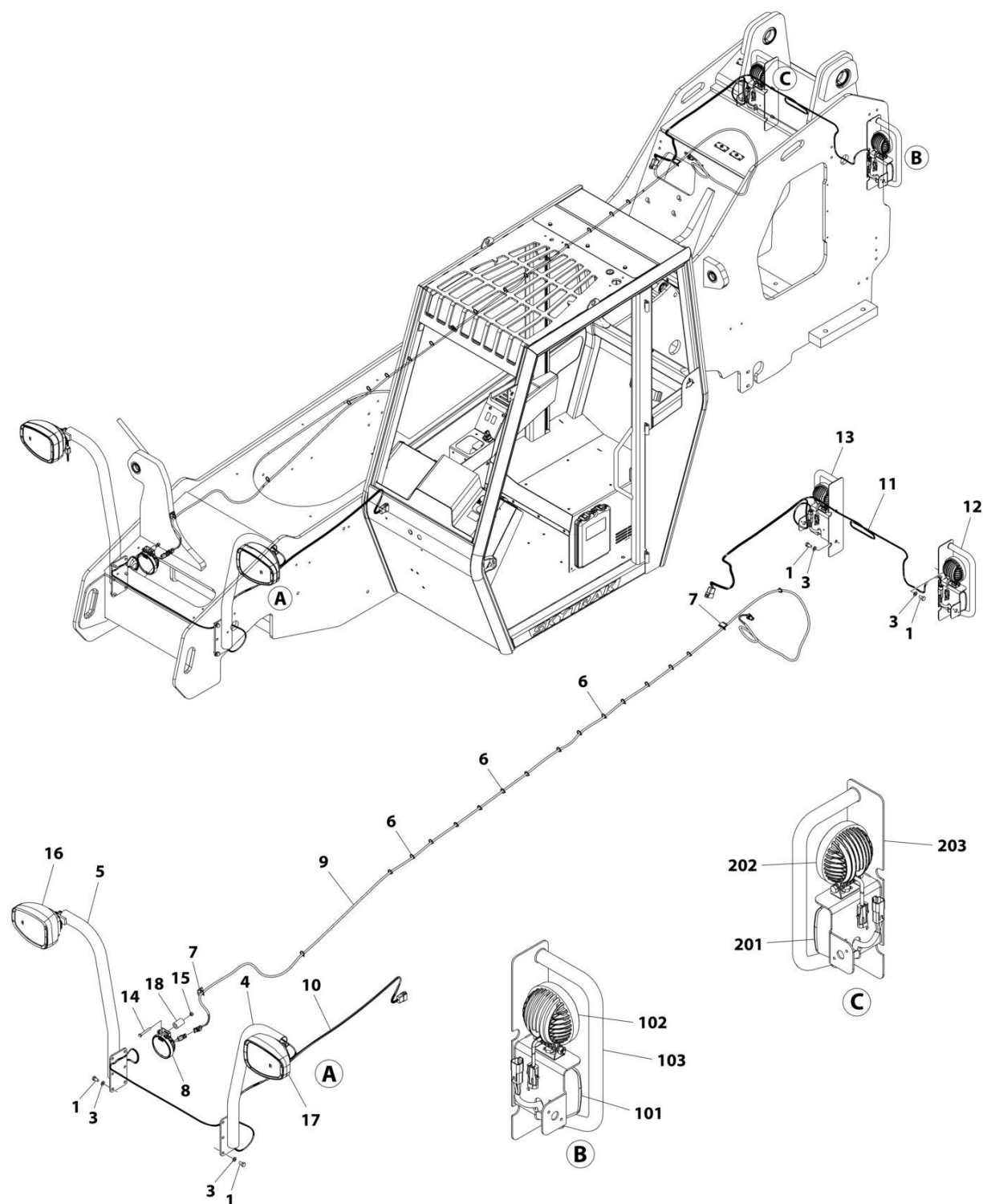
SECTION 10 - ELECTRICAL

FIGURE 10-28. HEATER INSTALLATION - HYDRAULIC TANK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275784	Ref	HEATER INSTALLATION - HYDRAULIC TANK	B
1	1060626	1	3 Way Plug	
2	1001105886	1	Immersion Heater	
3	1001003305	1	Clip	
4	1001008559	3	Tie-Strap (Not Shown)	

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FIGURE 10-29. LIGHTS – ROADLIGHTS INSTALLATION



ART_1001268970_J

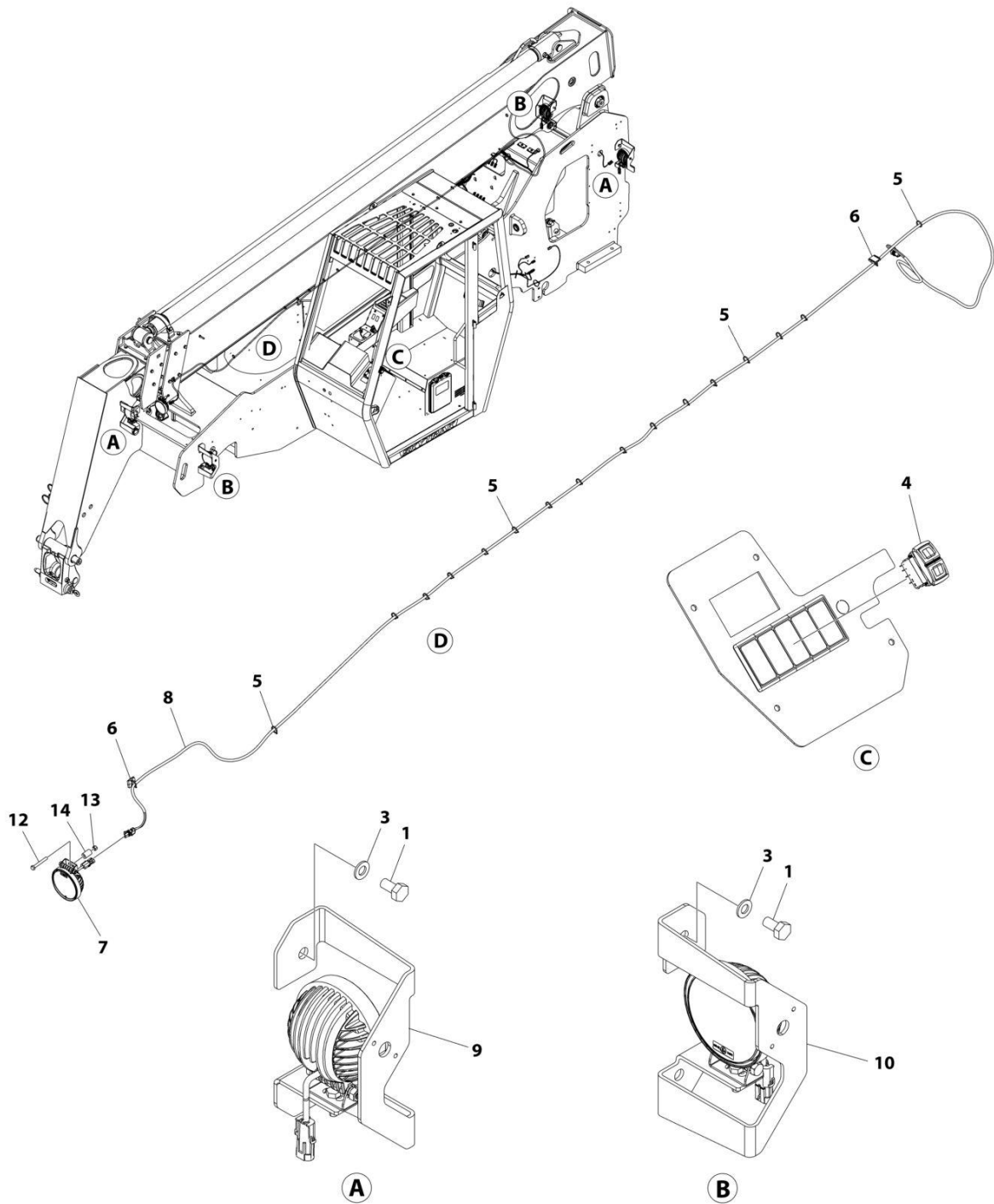
SECTION 10 - ELECTRICAL

FIGURE 10-29. LIGHTS – ROADLIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268970	Ref	ROADLIGHTS INSTALLATION	J
1	0761010	10	Bolt M10 x 20	
3	4812000	10	Washer M10	
4	7150685	1	Bracket, LH Roadlight	
5	7150717	1	Bracket, RH Roadlight	
6	8584001	18	Tie-Strap	
7	8584018	2	Mount, Tie-Strap	
8	1001273636	1	Lamp, Work Light	
9	1001238111	1	Harness, Boom Worklight (See Separate Breakdown in this Section)	
10	1001304204	1	Harness, Headlights (See Separate Breakdown in this Section)	
11	1001304205	1	Harness, Taillights (See Separate Breakdown in this Section)	
12	1001274147	1	Roadlight Assembly (LH) (See Items 101-103 for Breakdown)	
13	1001274148	1	Roadlight Assembly (RH) (See Items 201-203 for Breakdown)	
14	0760820	1	Bolt M8 x 60	
15	3290805	1	Nut M8	
16	1001244593	1	Lamp, Front (RH)	
17	1001244594	1	Lamp, Front (LH)	
18	1001305569	1	Spacer	
	1001274147	Ref	ROADLIGHT ASSEMBLY (LH)	B
101	7150690	1	Light, Stop/Tail/Direction	
102	1001273636	1	Lamp, Worklight	
103	1001274149	1	Bracket (LH)	
	1001274148	Ref	ROADLIGHT ASSEMBLY (RH)	B
201	7150690	1	Light, Stop/Tail/Direction	
202	1001273636	1	Lamp, Worklight	
203	1001274150	1	Bracket (RH)	

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FIGURE 10-30. LIGHTS - WORKLIGHTS INSTALLATION



ART_1001268971

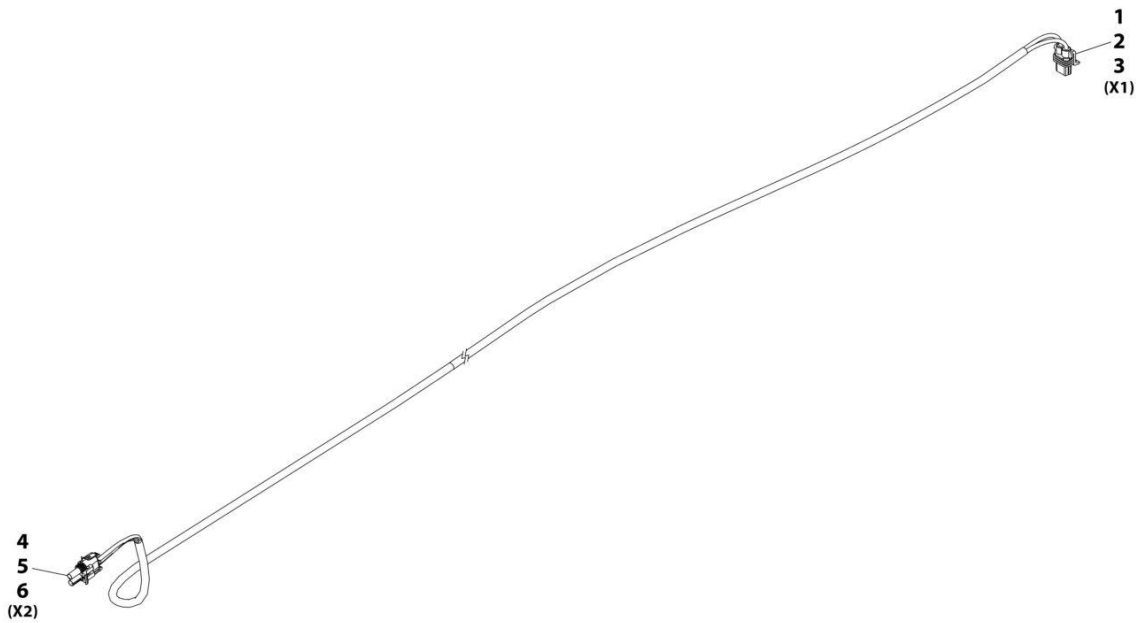
SECTION 10 - ELECTRICAL

FIGURE 10-30. LIGHTS - WORKLIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268971	Ref	LIGHTS - WORKLIGHTS INSTALLATION	H
1	0761010	8	Bolt M10 x 20	
3	4812000	8	Washer M10	
4	1001279157	1	Switch, Worklights	
5	8584001	18	Tie-Strap	
6	8584018	2	Mount, Cable Tie	
7	1001273636	1	Lamp, LED Worklight	
8	1001238111	1	Harness, Boom Worklight (See Separate Breakdown in this Section)	
9	1001274064	2	Worklight Assembly (RH)	
9	1001273636	1	Worklight	
10	1001274065	2	Worklight Assembly (LH)	
10	1001273636	1	Worklight	
12	0760820	1	Bolt M8 x 60	
13	3290805	1	Nut M8	
14	1001173257	1	Spacer	
14	1001305569	1	Spacer	

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FIGURE 10-31. LIGHTS - BOOM HARNESS



ART_1001238111

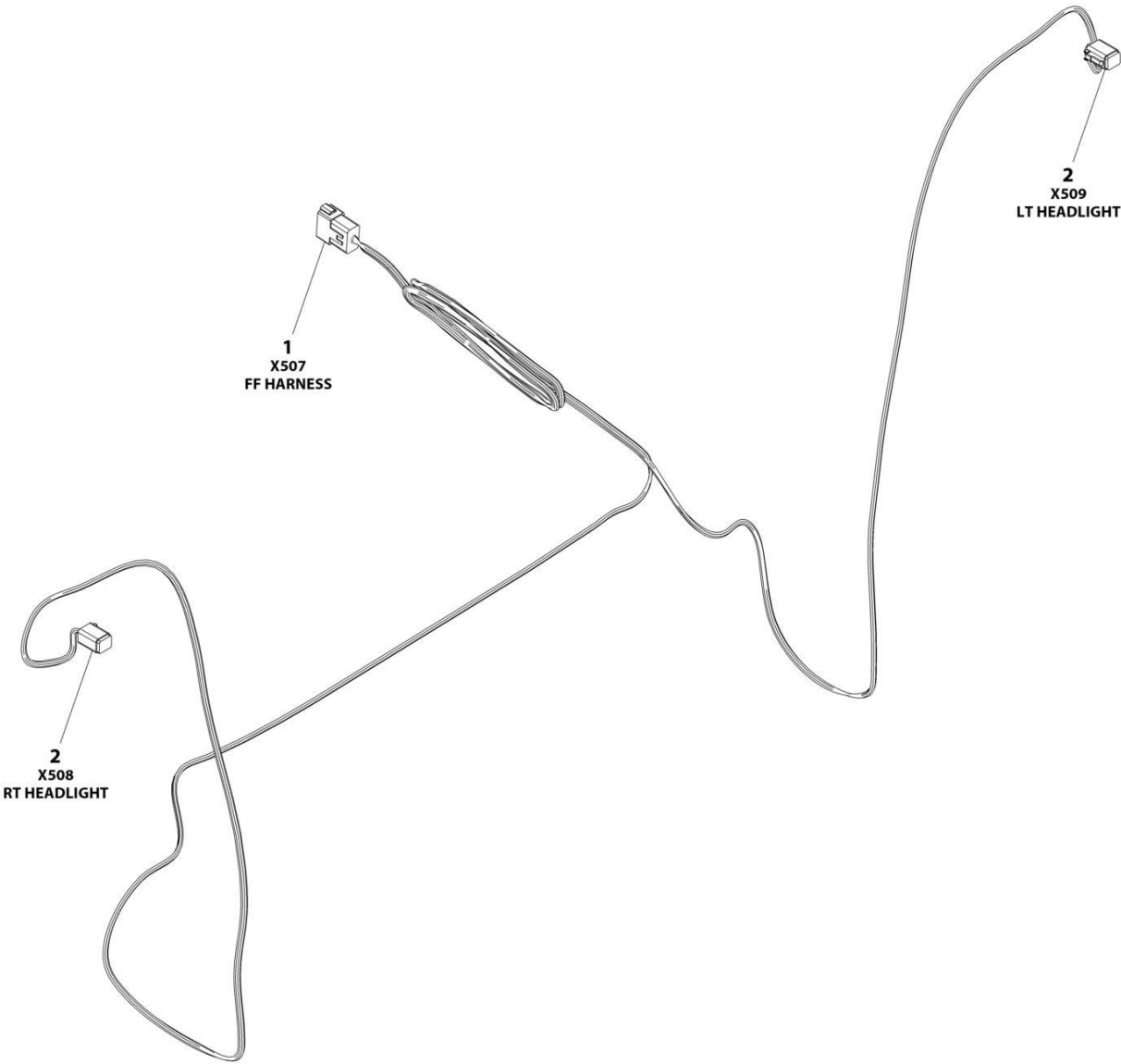
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FIGURE 10-31. LIGHTS - BOOM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238111	Ref	Boom Worklight Harness	B
1	1001117021	1	Connector	
2	1001116747	2	Terminal	
3	4460789	2	Seal	
4	4460742	1	Connector	
5	4460457	2	Terminal	
6	4460789	2	Seal	

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FIGURE 10-32. LIGHTS – HEADLIGHTS HARNESS



ART_1001304204

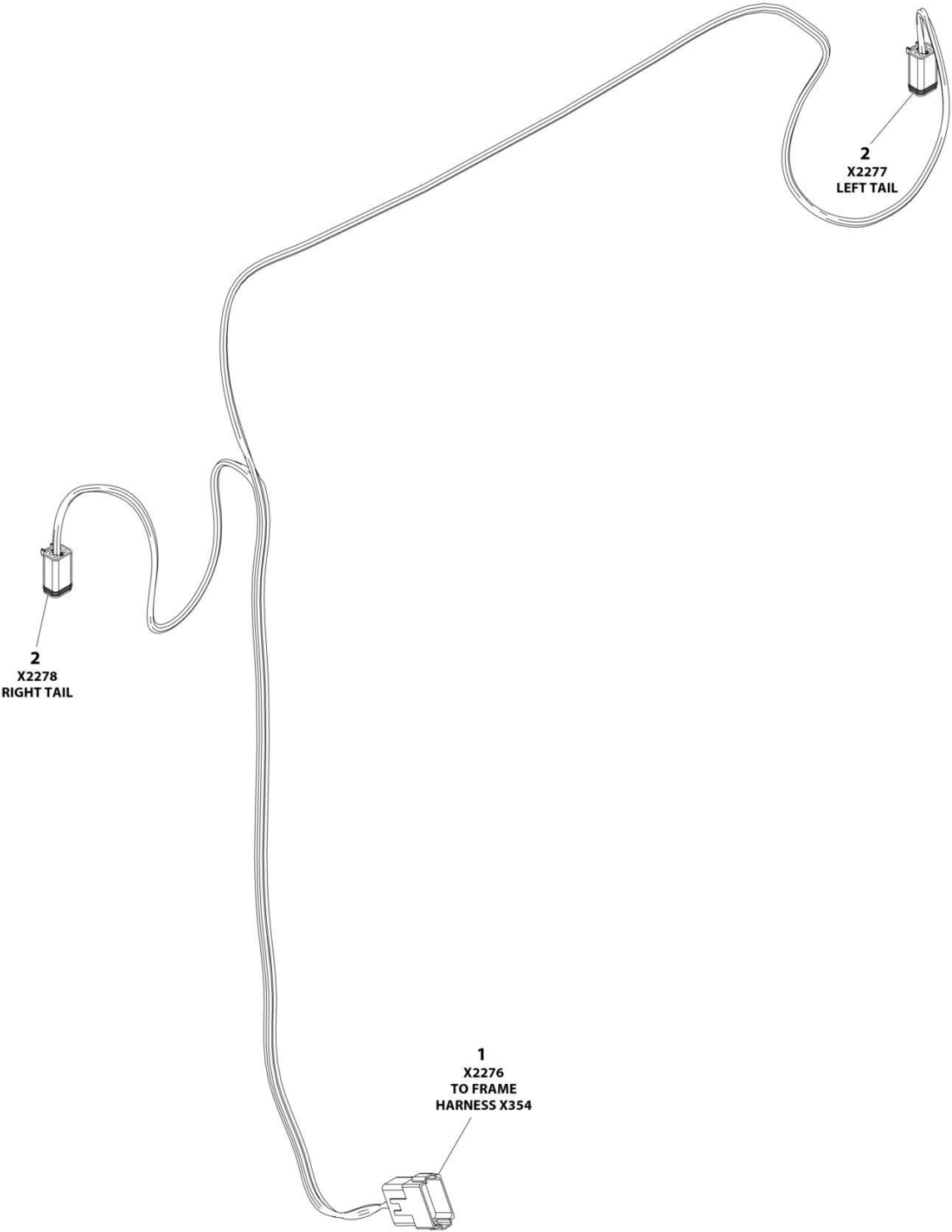
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FIGURE 10-32. LIGHTS – HEADLIGHTS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001304204	Ref	LIGHTS - HEADLIGHT HARNESS	C
1	4460970	1	Connector 12 Position	
1	4460464	10	Terminal	
1	4460466	2	Plug, Terminal	
2	4460894	2	Connector 6 Position	
2	4460465	10	Terminal	
2	4460466	2	Plug, Terminal	

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FIGURE 10-33. LIGHTS – TAILLIGHTS HARNESS



ART_1001304205

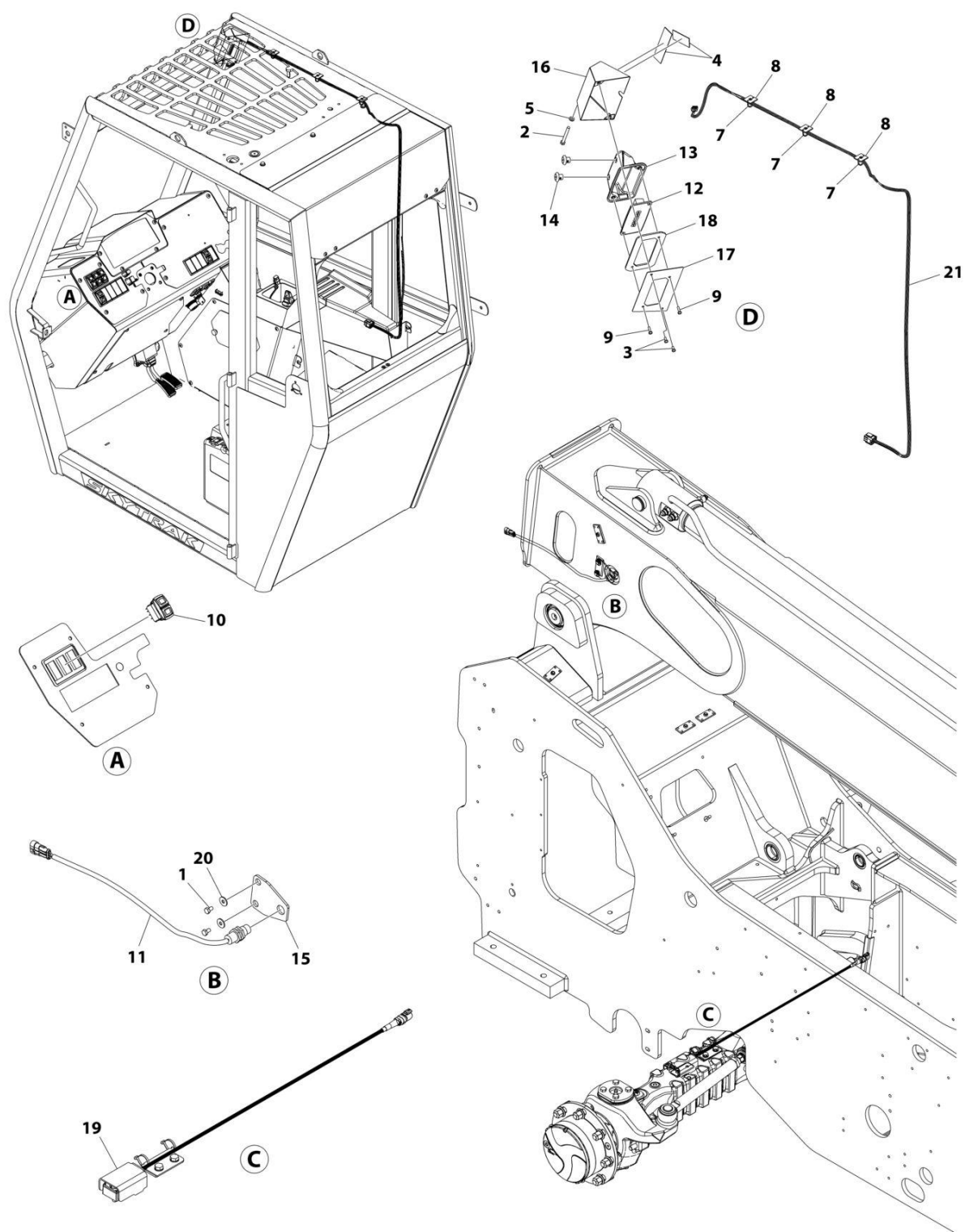
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FIGURE 10-33. LIGHTS – TAILLIGHTS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001304205	Ref	LIGHTS - TAILLIGHT HARNESS	C
1	4460970	1	Connector 12 Position	
1	4460464	8	Terminal	
1	4460466	4	Plug, Terminal	
2	4460884	2	Connector 4 Position	
2	4460465	8	Terminal	

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FIGURE 10-34. LOAD SENSE INDICATOR (LSI) SYSTEM INSTALLATION - CAB



ART_1001267548

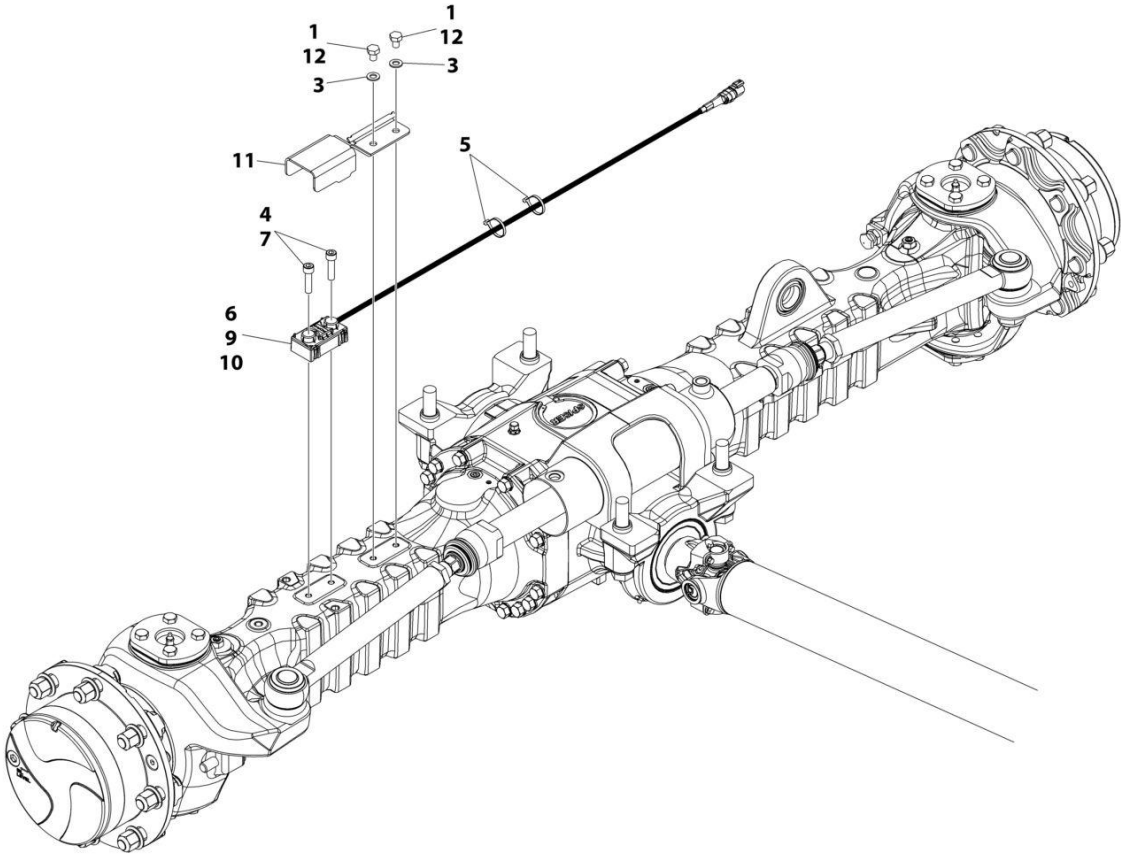
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FIGURE 10-34. LOAD SENSE INDICATOR (LSI) SYSTEM INSTALLATION - CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267548	Ref	LOAD SENSE INDICATOR (LSI) SYSTEM INSTALLATION - CAB	E
1	0760605	2	Bolt M6 x 10	
2	0700621	1	Bolt M6 x 65	
3	4010405	2	Screw M4 x 10	
4	4420066	1 ft/7 in	Tape, Double Sided (Not Shown)	
5	4811700	1	Washer M6	
7	8584001	3	Tie-Strap	
8	4460234	3	Mount, Tie-Strap	
9	1001126837	2	Screw M4 x 16	
10	1001279154	1	Switch, LSI Override	
11	1001183024	1	Sensor, Proximity	
12	1001213752	1	Display, LSI	
13	1001257058	1	Box	
14	1001257067	2	Grommet	
15	1001267702	1	Plate, Mount Proxy Sensor	
16	1001272617	1	Mount, Display LSI	
17	1001272618	1	Plate, Display LSI	
18	1001272619	1	Gasket	
19	1001274359	1	Load Sense Indicator (LSI) System Installation - Axle (See Separate Breakdown in this Section)	
20	4811702	2	Washer M6	
21	1001276778	1	Harness, LSI (See Separate Breakdown in this Section)	

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FIGURE 10-35. LOAD SENSE INDICATOR (LSI) SYSTEM INSTALLATION - AXLE



ART_1001274359

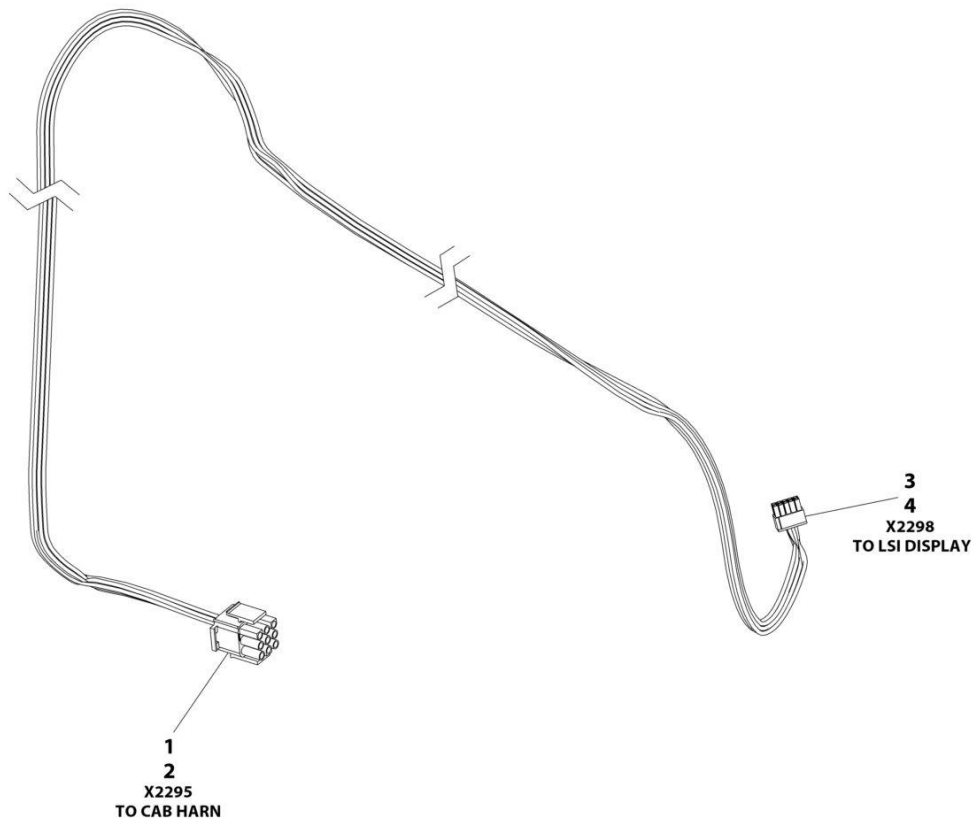
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FIGURE 10-35. LOAD SENSE INDICATOR (LSI) SYSTEM INSTALLATION - AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274359	Ref	LOAD SENSE INDICATOR (LSI) SYSTEM INSTALLATION - AXLE	C
1	0100011	AR	Compound, Locking	
3	4812000	2	Washer M10	
4	5272012	2	Capscrew M10 x 40	
5	1001008559	2	Tie-Strap	
6	1001116128	AR	Seal	
7	1001125465	AR	Compound, Locking	
9	1001289296	AR	Compound, Locking	
10	1001289105	1	Sensor, Rear Axle	
11	1001294777	1	Shield, Axle LSI	
12	0761007	2	Bolt M10 x 14	

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FIGURE 10-36. LOAD SENSE INDICATOR (LSI) HARNESS



ART_1001276778

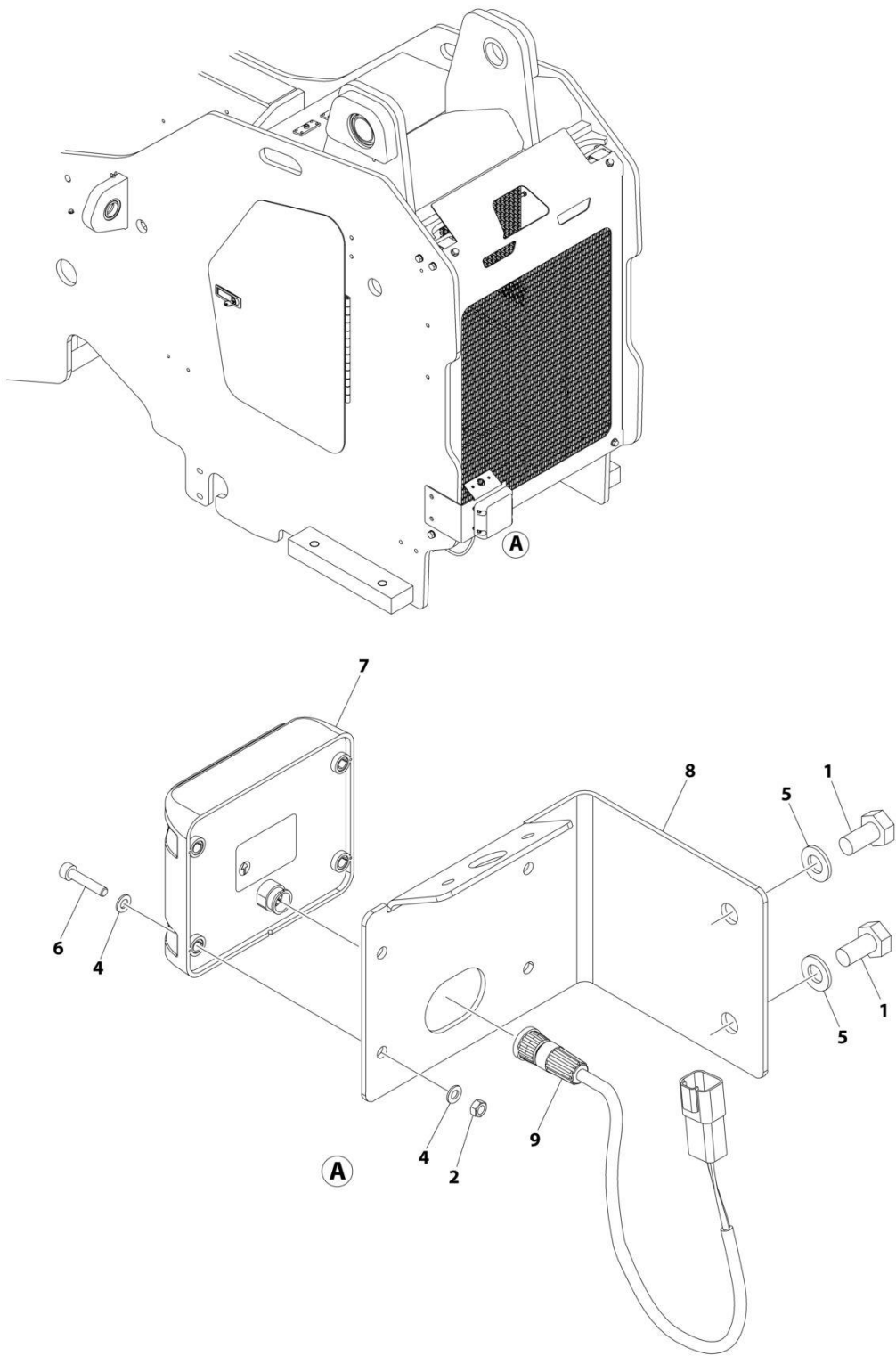
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FIGURE 10-36. LOAD SENSE INDICATOR (LSI) HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001276778	Ref	LOAD SENSE INDICATOR (LSI) HARNESS	B
1	4460265	1	Connector	
2	4460267	7	Terminal	
3	1001150735	1	Connector	
4	1001150737	7	Terminal	

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FIGURE 10-37. REVERSE SENSOR SYSTEM INSTALLATION (WITHOUT CAMERA)



ART_1001268930

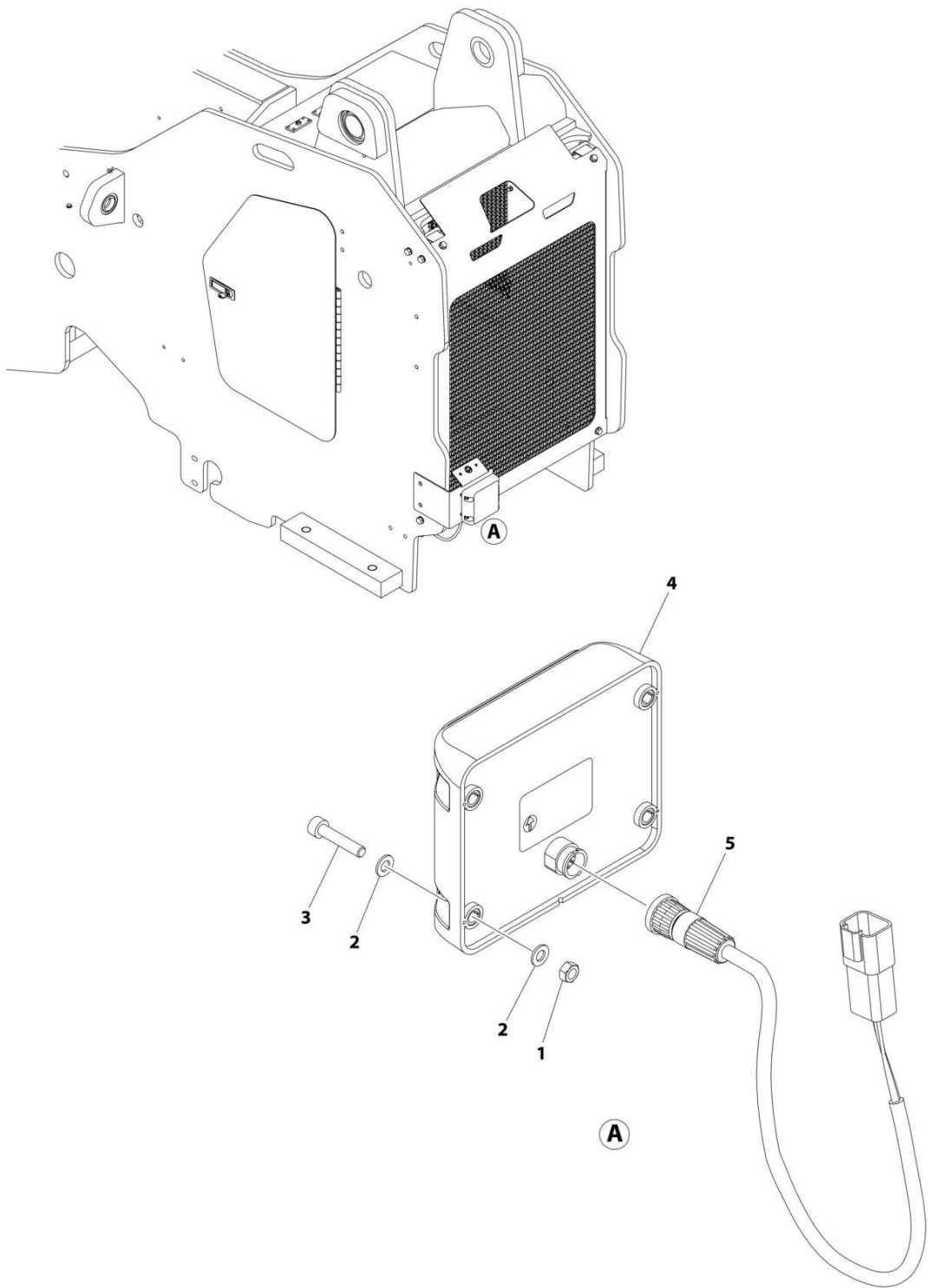
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FIGURE 10-37. REVERSE SENSOR SYSTEM INSTALLATION (WITHOUT CAMERA)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268930	Ref	REVERSE SENSOR SYSTEM INSTALLATION (WITHOUT CAMERA)	C
1	0761010	2	Bolt M10 x 20	
2	3290501	4	Nut M5	
4	4811600	8	Washer M5	
5	4812000	2	Washer M10	
6	5271609	4	Screw M5 x 25	
7	1001247421	1	Control, Reverse Sensor	
8	1001274209	1	Plate	
9	1001175776	1	Harness, Reversing Sensing Assembly (See Separate Breakdown in this Section)	

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FIGURE 10-38. REVERSE SENSOR SYSTEM INSTALLATION (WITH CAMERA)



ART_1001274447

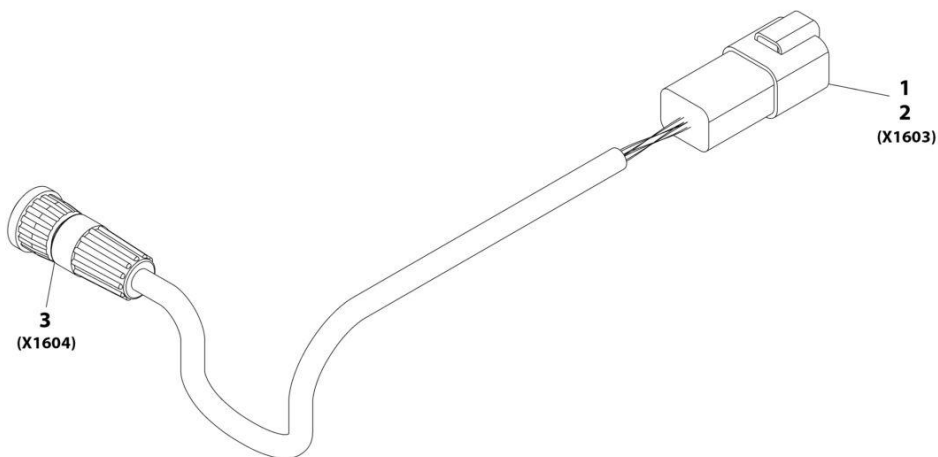
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FIGURE 10-38. REVERSE SENSOR SYSTEM INSTALLATION (WITH CAMERA)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274447	Ref	REVERSE SENSOR SYSTEM INSTALLATION (WITH CAMERA)	B
1	3290501	4	Nut M5	
2	4811600	8	Washer M5	
3	5271609	4	Screw M5 x 25	
4	1001247421	1	Control, Reverse Sensor	
5	1001175776	1	Harness, Reversing Sensing Assembly (See Separate Breakdown in this Section)	

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FIGURE 10-39. REVERSE SENSOR HARNESS



ART_1001175776-C

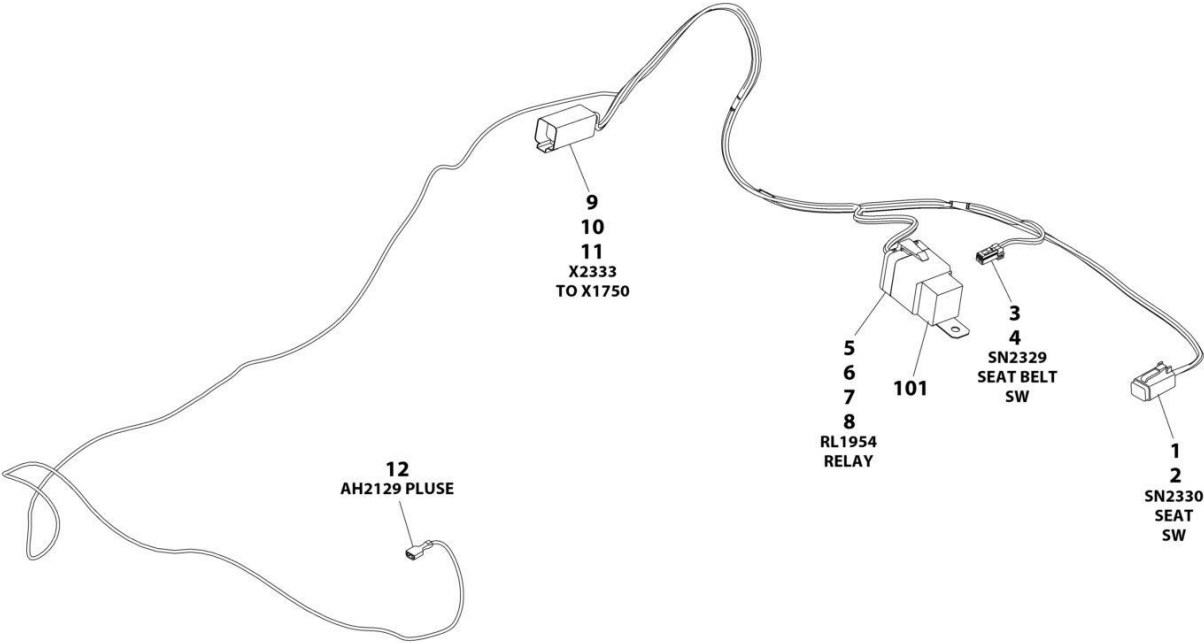
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FIGURE 10-39. REVERSE SENSOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175776	Ref	Reverse Sensor Harness	C
1	4460932	1	Connector	
2	4460464	4	Terminal	
3	1001175733	1	Connector	

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FIGURE 10-40. SEAT HARNESS - SEAOP SEAT



ART_1001276780

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FIGURE 10-40. SEAT HARNESS - SEAOP SEAT

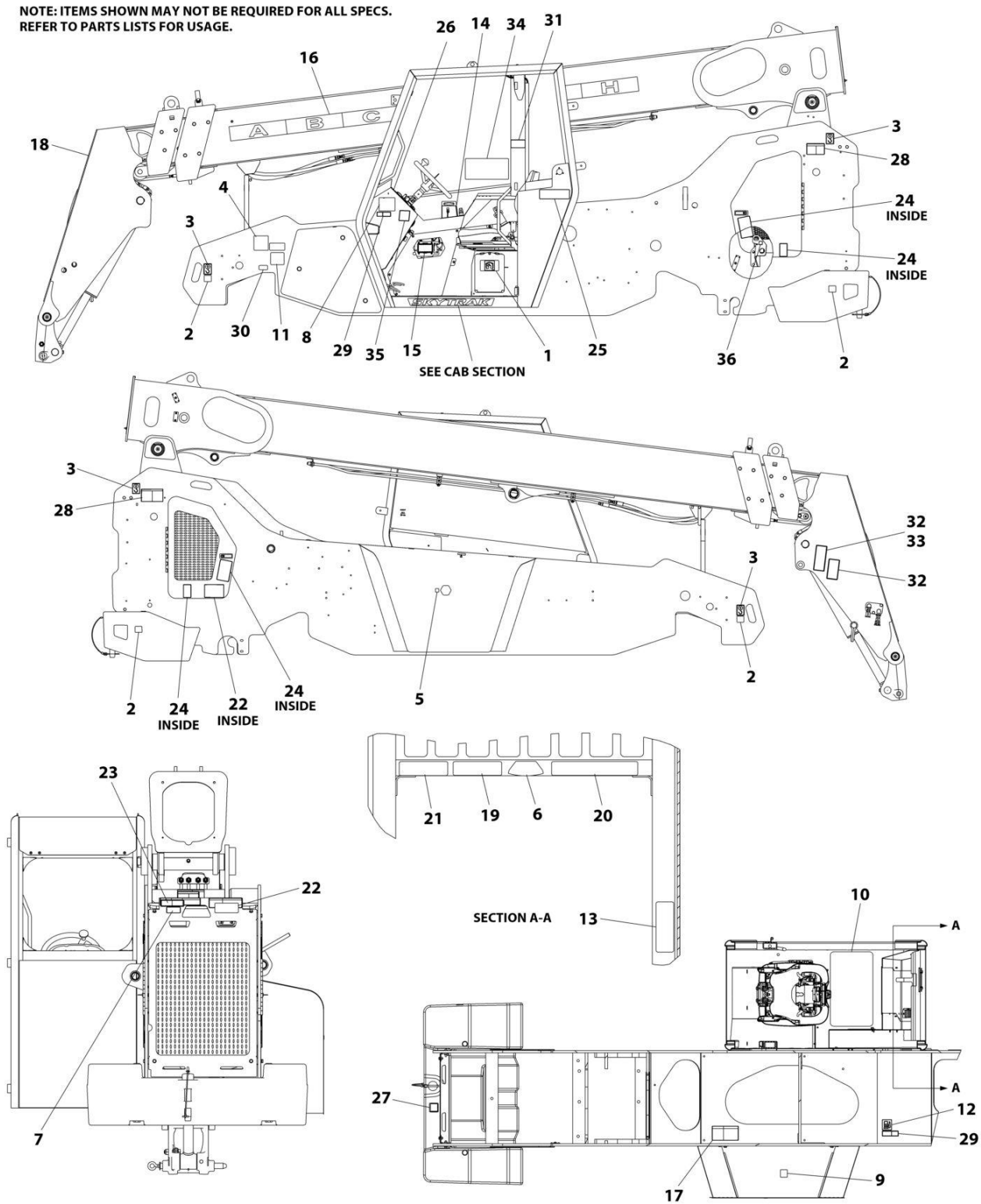
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001276780	Ref	SEAT BELT ALARM HARNESS	E
1	4460884	1	Connector	
2	4460465	4	Terminal	
3	1001264844	1	Connector	
4	1001264861	2	Terminal	
5	1001231398	1	Connector	
6	1001231399	4	Terminal	
7	1001231404	4	Seal	
8	1001231406	1	Plug, Terminal	
9	4460899	1	Connector	
10	4460464	5	Terminal	
11	4460466	1	Plug, Terminal	
12	1001194421	1	Terminal	
101	3740080	1	Relay	

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FIGURE 11-1. DECALS INSTALLATION (ANSI SPECS)

NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS.
REFER TO PARTS LISTS FOR USAGE.



ART_1001290320

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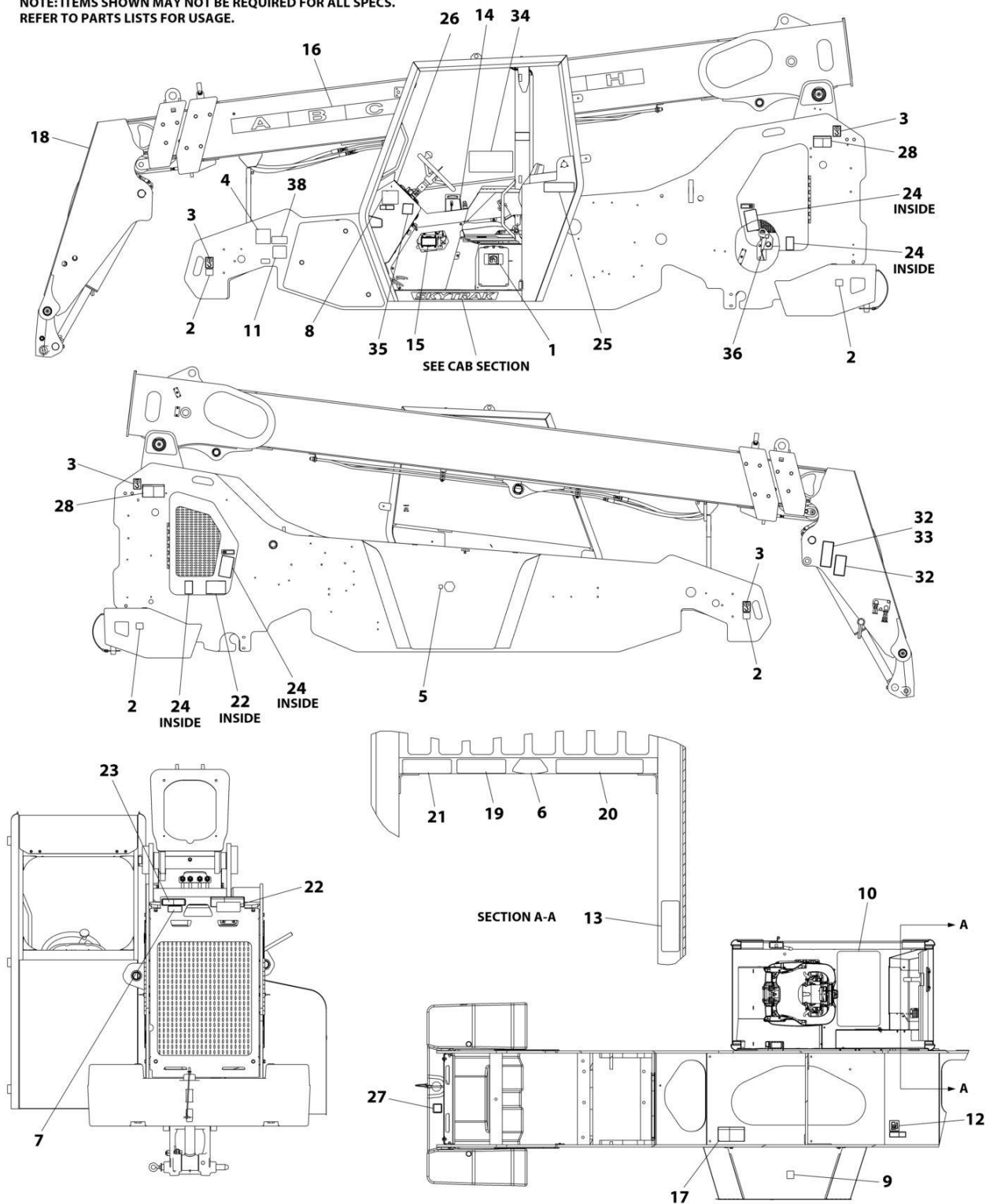
FIGURE 11-1. DECALS INSTALLATION (ANSI SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290320	Ref	DECALS INSTALLATION (ANSI SPECS)	C
	1001290324	Ref	DECAL - CHART	F
1	1701640	1	Decal - Manual	
2	4109801	4	Decal - Tie Down Point	
3	1701500	4	Decal - Lift	
4	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
5	1001130323	1	Decal - Oil Level	
6	8466306	1	Gage - Tilt Angle	
7	1001109053	1	Decal - Coolant Fill	
8	3251813	1	Decal - USA	
9	4100181	1	Decal - Hydraulic Oil Fill	
10	10139087	1	Tape, Tread	
11	1001131271	1	Decal - Patent Telehandlers	
12	1001189017	1	Decal - Diesel Full Fill	
13	1001276620	1	Decal - Joystick Control	
14	1001276621	1	Decal - Sway Control	
15	1001276655	1	Decal - Fuse	
16	1001275589	1	Decal - Boom Extend	
17	1706296	1	Decal - Battery Warning	
18	1706298	1	Decal - Carry Personnel	
19	1706299	1	Decal - Electrocution Hazard	
20	1706306	1	Decal - Tipover Warning	
21	1706850	1	Decal - Crush Hazard Warning	
22	1706300	2	Decal - Ether Warning	
23	1001139578	1	Decal - Hot Fluid Warning	
24	1706301	2	Decal - Moving Parts	
25	1706768	1	Decal - No Riders	
26	1001297049	1	Decal - Brake Fluid Spec NA	
27	1001142452	1	Decal - No Step	
28	1706302	3	Decal - Pinch Point	
29	1001125387	2	Decal - Ultra Low Sulfur Diesel	
30	1001223453	1	Decal - ICES (CAN)	
31	1001231801	1	Decal - Warning Prop 65	
32	1001207217	1	Decal - Danger Swinging Loads, Boom Head	
34	1707078	1	Decal - Warning/Danger - CAB	
35	1001172035	1	Decal - No Weld or Drill	
36	1001184632	1	Decal - Battery Positive	

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FIGURE 11-2. DECALS INSTALLATION (ISO SPECS)

NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS.
REFER TO PARTS LISTS FOR USAGE.



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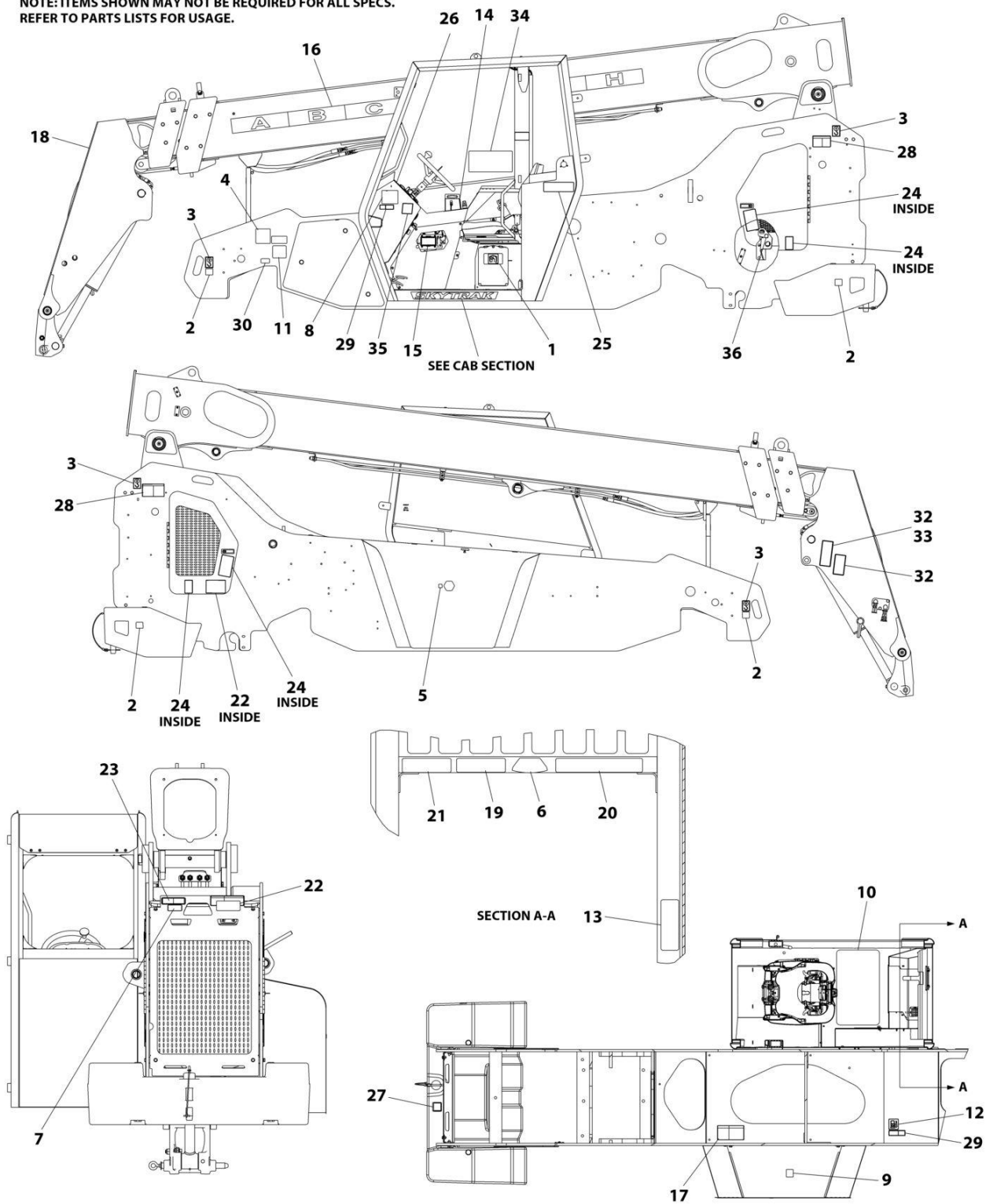
FIGURE 11-2. DECALS INSTALLATION (ISO SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290321	Ref	DECALS INSTALLATION (ISO SPECS)	C
	1001290324	Ref	DECAL - CHART	F
1	1701640	1	Decal - Manual	
2	4109801	4	Decal - Tie Down Point	
3	1701500	4	Decal - Lift	
4	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
5	1001130323	1	Decal - Oil Level	
6	8466306	1	Gage - Tilt Angle	
7	1001109053	1	Decal - Coolant Fill	
8	3251813	1	Decal - USA	
9	4100181	1	Decal - Hydraulic Oil Fill	
10	10139087	1	Tape, Tread	
11	1001131271	1	Decal - Patent Telehandlers	
12	1001189017	1	Decal - Diesel Full Fill	
13	1001276620	1	Decal - Joystick Control	
14	1001276621	1	Decal - Sway Control	
15	1001276655	1	Decal - Fuse	
16	1001275589	1	Decal - Boom Extend	
17	1706281	1	Decal - Battery Warning	
18	1706282	1	Decal - Carry Personnel	
19	1706284	1	Decal - Electrocution Hazard	
20	1706288	1	Decal - Tipover Warning	
21	1001092877	1	Decal - Crush Hazard Warning	
22	1706098	2	Decal - Ether Warning	
23	1001139942	1	Decal - Hot Fluid Warning	
24	1706285	2	Decal - Moving Parts	
25	1001092878	1	Decal - No Riders	
26	1001219211	1	Decal - Brake Fluid Spec	
27	1001142452	1	Decal - No Step	
28	1706292	3	Decal - Pinch Point	
32	1001207218	1	Decal - Danger Swinging Loads, Boom Head	
34	1001101895	1	Decal - Warning - CAB	
35	1001172035	1	Decal - No Weld or Drill	
36	1001184632	1	Decal - Battery Positive	
38	1001143852	1	Decal - LRC EPA	

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FIGURE 11-3. DECALS INSTALLATION (ENGLISH/FRENCH LANGUAGES)

NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS.
REFER TO PARTS LISTS FOR USAGE.



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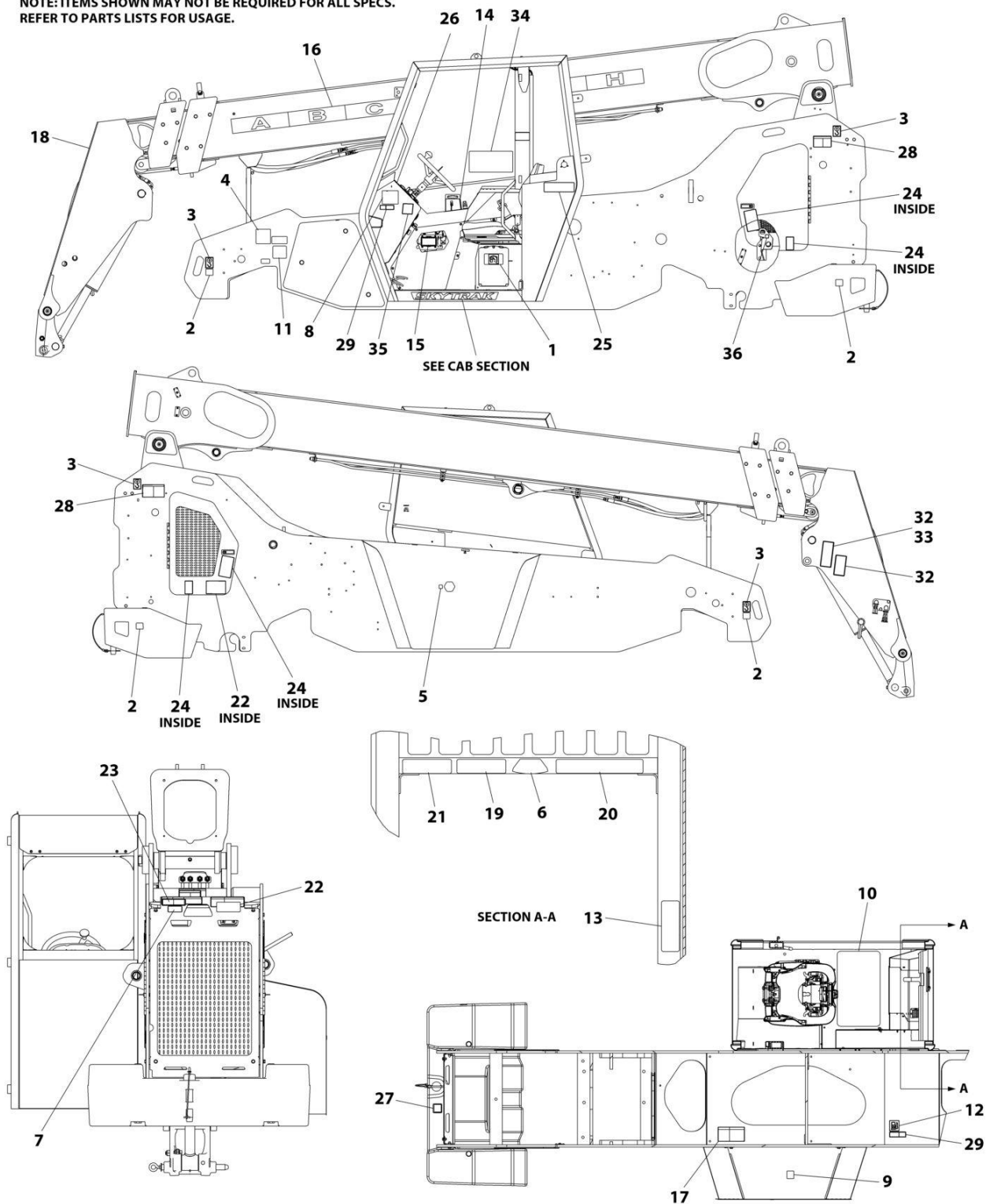
FIGURE 11-3. DECALS INSTALLATION (ENGLISH/FRENCH LANGUAGES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290322	Ref	DECALS INSTALLATION (ENGLISH/FRENCH LANGUAGES)	C
	1001290324	Ref	DECAL - CHART	F
1	1701640	1	Decal - Manual	
2	4109801	4	Decal - Tie Down Point	
3	1701500	4	Decal - Lift	
4	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
5	1001130323	1	Decal - Oil Level	
6	8466306	1	Gage - Tilt Angle	
7	1001109053	1	Decal - Coolant Fill	
8	3251813	1	Decal - USA	
9	4100181	1	Decal - Hydraulic Oil Fill	
10	10139087	1	Tape, Tread	
11	1001131271	1	Decal - Patent Telehandlers	
12	1001189017	1	Decal - Diesel Full Fill	
13	1001276620	1	Decal - Joystick Control	
14	1001276621	1	Decal - Sway Control	
15	1001276655	1	Decal - Fuse	
16	1001275589	1	Decal - Boom Extend	
17	1001163174	1	Decal - Battery Warning	
18	1001163206	1	Decal - Carry Personnel	
19	1001163210	1	Decal - Electrocution Hazard	
20	1001163285	1	Decal - Tipover Warning	
21	1001163304	1	Decal - Crush Hazard Warning	
22	1001163212	2	Decal - No Ether Warning	
23	1001163323	1	Decal - Hot Fluid Warning	
24	1001163222	2	Decal - Moving Parts	
25	1001163300	1	Decal - No Riders	
26	1001219211	1	Decal - Brake Fluid Spec	
27	1001142452	1	Decal - No Step	
28	1001163223	3	Decal - Pinch Point	
29	1001163355	2	Decal - Ultra Low Sulfur Diesel	
30	1001223453	1	Decal - ICES (CAN)	
32	1001211278	1	Decal - Swinging Load Decal Kit	
34	1001233558	1	Decal - Warning/Danger - CAB	
35	1001172035	1	Decal - No Weld or Drill	
36	1001184632	1	Decal - Battery Positive	

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FIGURE 11-4. DECALS INSTALLATION (ENGLISH/SPANISH LANGUAGES)

NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS.
REFER TO PARTS LISTS FOR USAGE.



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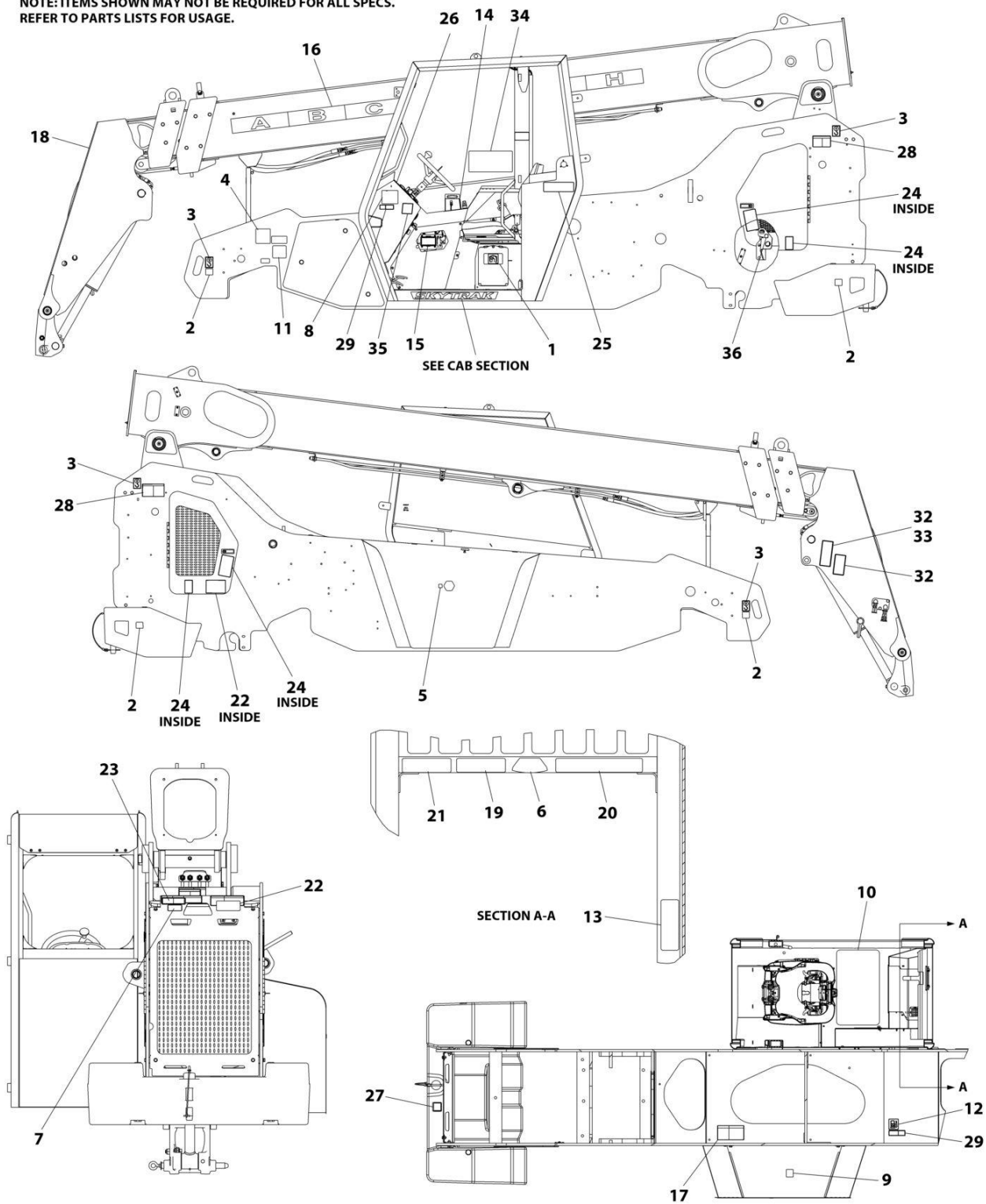
FIGURE 11-4. DECALS INSTALLATION (ENGLISH/SPANISH LANGUAGES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001290323	Ref	DECALS INSTALLATION (ENGLISH/SPANISH LANGUAGES)	C
	1001290324	Ref	DECAL - CHART	F
1	1701640	1	Decal - Manual	
2	4109801	4	Decal - Tie Down Point	
3	1701500	4	Decal - Lift	
4	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
5	1001130323	1	Decal - Oil Level	
6	8466306	1	Gage - Tilt Angle	
7	1001109053	1	Decal - Coolant Fill	
8	3251813	1	Decal - USA	
9	4100181	1	Decal - Hydraulic Oil Fill	
10	10139087	1	Tape, Tread	
11	1001131271	1	Decal - Patent Telehandlers	
12	1001189017	1	Decal - Diesel Full Fill	
13	1001276620	1	Decal - Joystick Control	
14	1001276621	1	Decal - Sway Control	
15	1001276655	1	Decal - Fuse	
16	1001275589	1	Decal - Boom Extend	
17	1001235794	1	Decal - Battery Warning	
18	1001235796	1	Decal - Carry Personnel	
19	1001235797	1	Decal - Electrocution Hazard	
20	1001235801	1	Decal - Tipover Warning	
21	1001235803	1	Decal - Crush Hazard Warning	
22	1001235798	2	Decal - Ether Starting Warning	
23	1001235805	1	Decal - Hot Fluid Warning	
24	1001235799	2	Decal - Moving Parts	
25	1001235802	1	Decal - No Riders	
26	1001219211	1	Decal - Brake Fluid Spec	
27	1001142452	1	Decal - No Step	
28	1001235800	3	Decal - Pinch Point	
29	1001235804	2	Decal - Ultra Low Sulfur Diesel	
32	1001242179	1	Decal - Swinging Loads, Boom Head	
33	1001246078	1	Decal - Swinging Loads, Boom Head Skytrak	
34	1001235809	1	Decal - Warning/Danger - CAB	
35	1001172035	1	Decal - No Weld or Drill	
36	1001184632	1	Decal - Battery Positive	

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FIGURE 11-5. DECALS INSTALLATIONS (ISO) (HRC)

NOTE: ITEMS SHOWN MAY NOT BE REQUIRED FOR ALL SPECS.
REFER TO PARTS LISTS FOR USAGE.



ART_1001308000

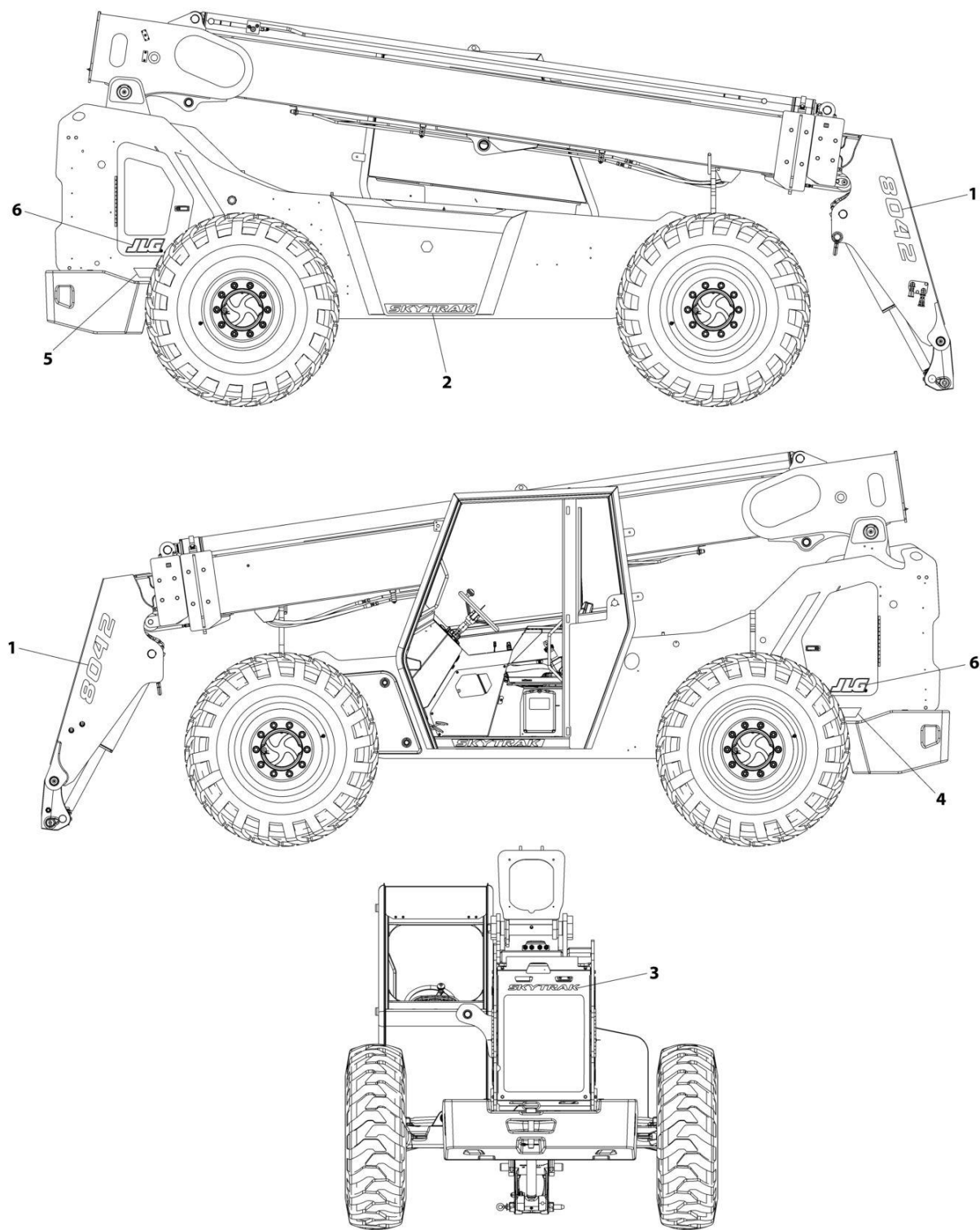
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FIGURE 11-5. DECALS INSTALLATIONS (ISO) (HRC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308000	Ref	DECALS INSTALLATION (ISO) (HRC)	B
	1001290324	Ref	DECAL - CHART	F
1	1701640	1	Decal - Manual	
2	4109801	4	Decal - Tie Down Point	
3	1701500	4	Decal - Lift	
4	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
5	1001130323	1	Decal - Oil Level	
6	8466306	1	Gage - Tilt Angle	
7	1001109053	1	Decal - Coolant Fill	
8	3251813	1	Decal - USA	
9	4100181	1	Decal - Hydraulic Oil Fill	
10	10139087	1	Tape, Tread	
11	1001131271	1	Decal - Patent Telehandlers	
12	1001189017	1	Decal - Diesel Full Fill	
13	1001276620	1	Decal - Joystick Control	
14	1001276621	1	Decal - Sway Control	
15	1001276655	1	Decal - Fuse	
16	1001275589	1	Decal - Boom Extend	
17	1706281	1	Decal - Battery Warning (ISO)	
18	1706282	1	Decal - Carry Personnel	
19	1706284	1	Decal - Electrocution Hazard (ISO)	
20	1706288	1	Decal - Tipover Warning (ISO)	
21	1001092877	1	Decal - Crush Hazard Warning	
22	1706098	2	Decal - Ether Starting Warning	
23	1001139942	1	Decal - Hot Fluid Warning (ISO)	
24	1706285	2	Decal - Moving Parts (ISO)	
25	1001092878	1	Decal - No Riders (ISO)	
26	1001219211	1	Decal - Brake Fluid Spec (ISO)	
27	1001142452	1	Decal - No Step	
28	1706292	2	Decal - Pinch Point (ISO)	
29	1001125387	2	Decal - Ultra Low Sulfur Diesel	
32	1001207218	1	Decal - Danger Swinging Loads, Boom (ISO)	
34	1001101895	1	Decal - Warning/Danger - CAB	
35	1001172035	1	Decal - No Weld or Drill	
36	1001184632	1	Decal - Battery Positive	

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FIGURE 11-6. DECALS INSTALLATION - BRAND



ART_1001286102

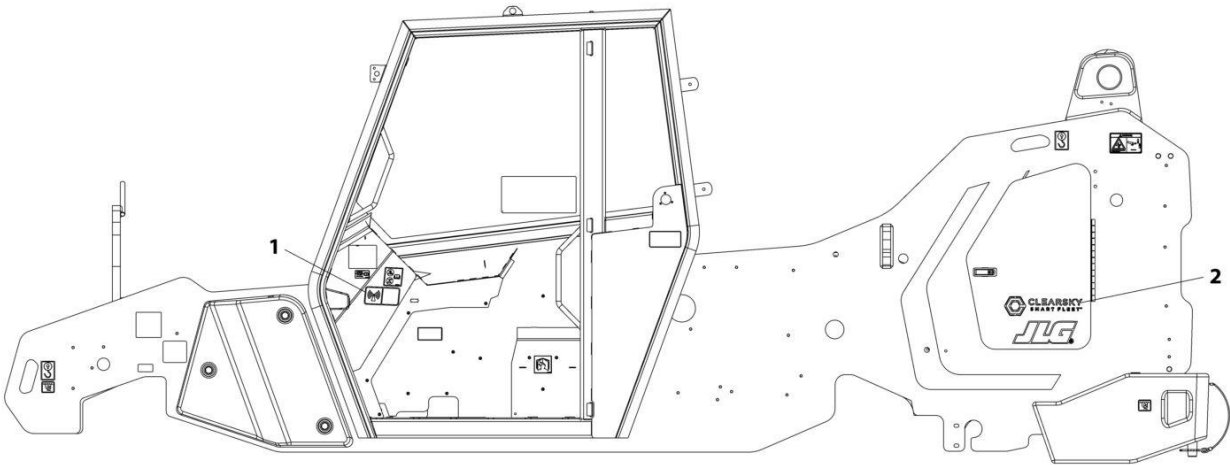
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FIGURE 11-6. DECALS INSTALLATION - BRAND

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286102	Ref	DECALS INSTALLATION - BRAND	C
1	1001263591	2	Decal - Model Boom Head	
2	1001274440	1	Decal - Tank Side	
3	1001303419	1	Decal - Rear Cover	
4	1001303420	1	Decal - Left Side	
5	1001303421	1	Decal - Right Side	
6	1001274444	2	Decal - JLG Logo	

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FIGURE 11-7. DECAL INSTALLATION - CLEARSKY CS550 BEACON



ART_1001303623

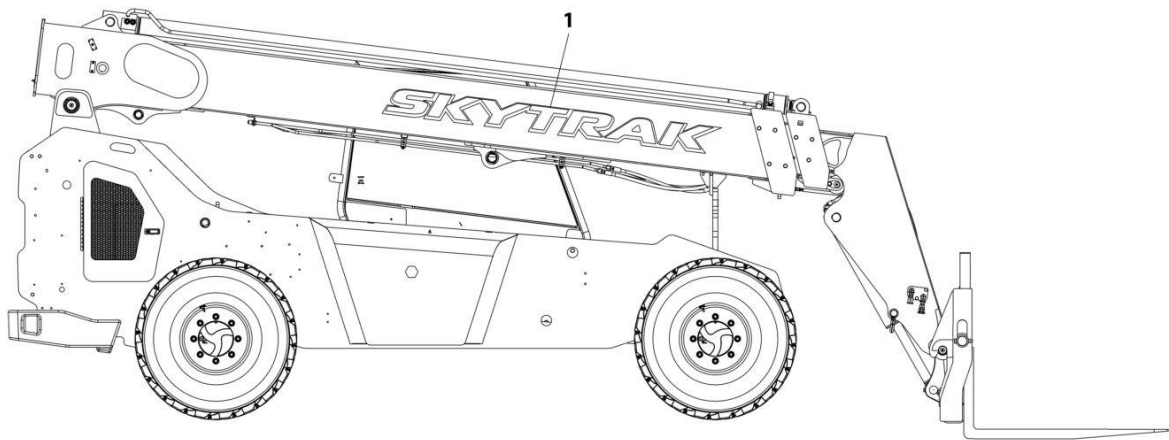
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FIGURE 11-7. DECAL INSTALLATION - CLEARSKY CS550 BEACON

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303623	Ref	DECALS INSTALLATION - CLEARSKY	A
1	1001120989	1	Decal - Radio Frequency	
2	1001294815	1	Decal - ClearSky	

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FIGURE 11-8. DECALS INSTALLATION - SKYTRAK



NOTE : BOTH SIDES TYPICAL

ART_1001268955

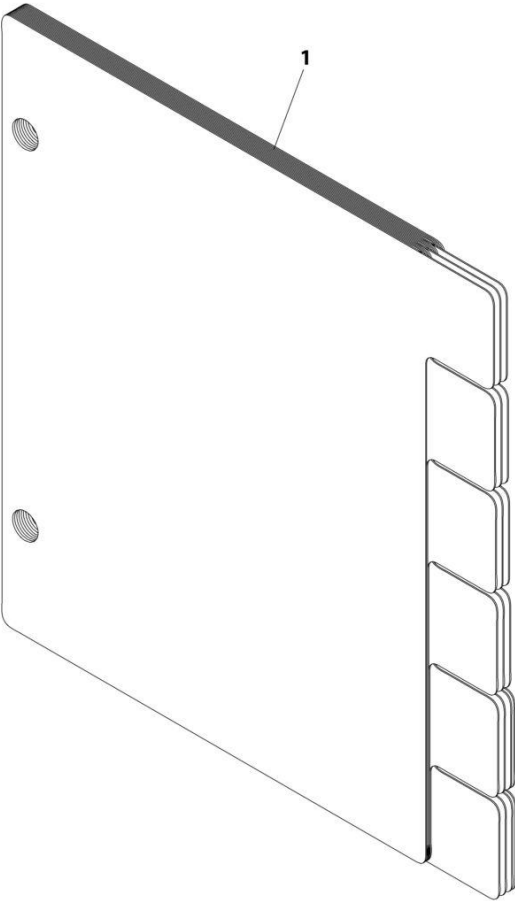
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FIGURE 11-8. DECALS INSTALLATION - SKYTRAK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001268955	Ref	DECALS INSTALLATION - SKYTRAK	B
	1001262057	2	Decal - Boom	

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FIGURE 11-9. LOAD CHART (ANSI SPECS)



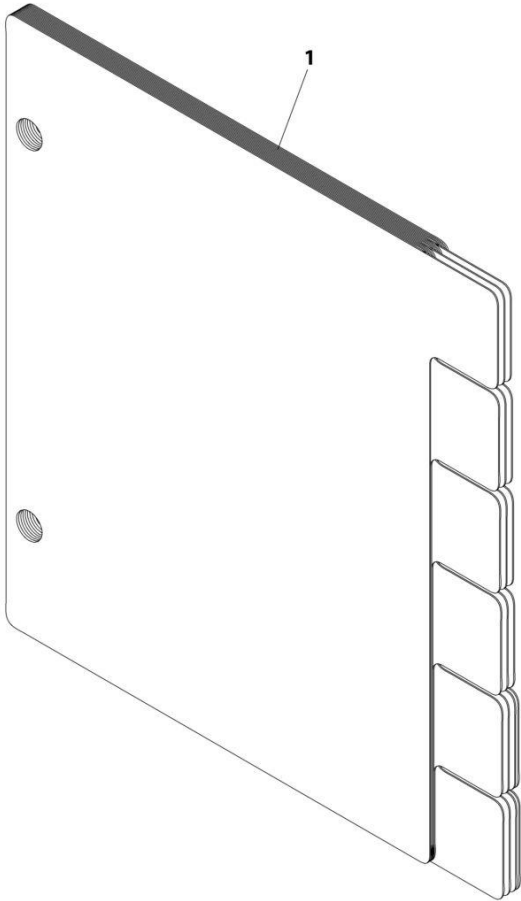
ART_1001287703

FIGURE 11-9. LOAD CHART (ANSI SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287703	Ref	LOAD CHART (ANSI SPECS)	A
	See Note	Ref	Note: Sold as Assembly Only	

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FIGURE 11-10. LOAD CHART (METRIC SPECS)



ART_1001287704

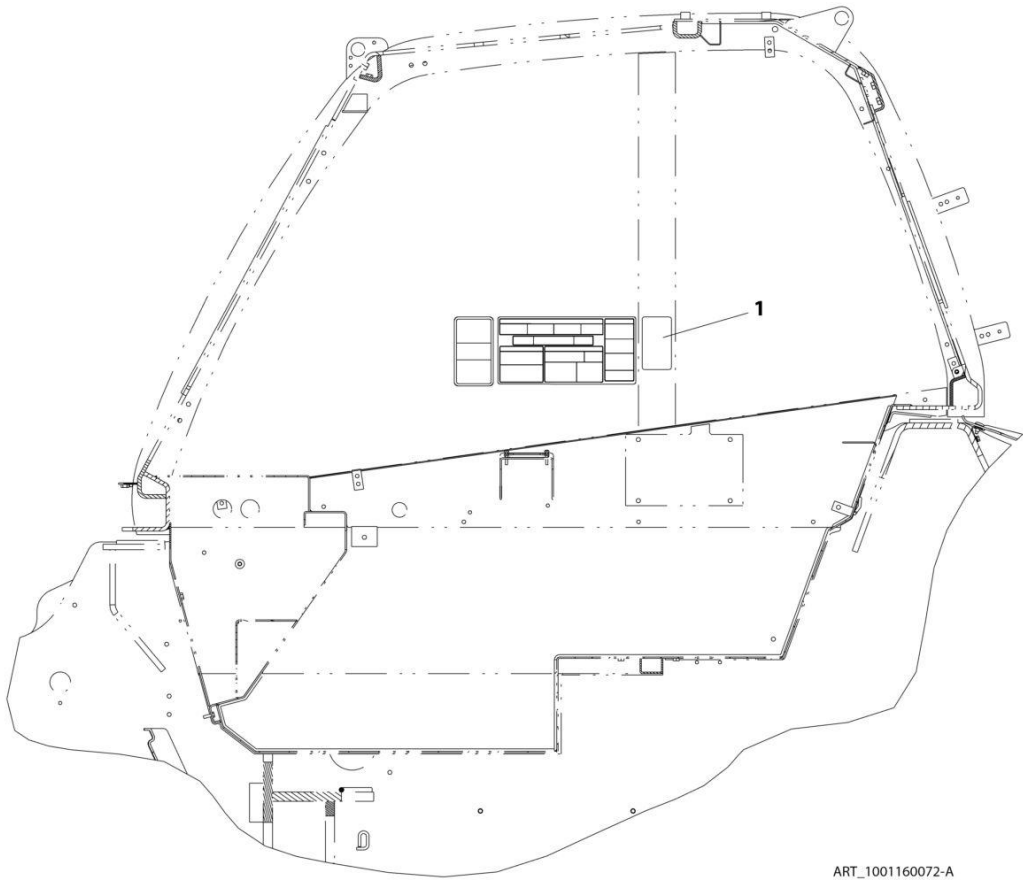
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FIGURE 11-10. LOAD CHART (METRIC SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287704	Ref	LOAD CHART (METRIC SPECS)	A
	See Note	Ref	Note: Sold as Assembly Only	

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FIGURE 11-11. REVERSE SENSOR SYSTEM DECAL (ENGLISH)



ART_1001160072-A

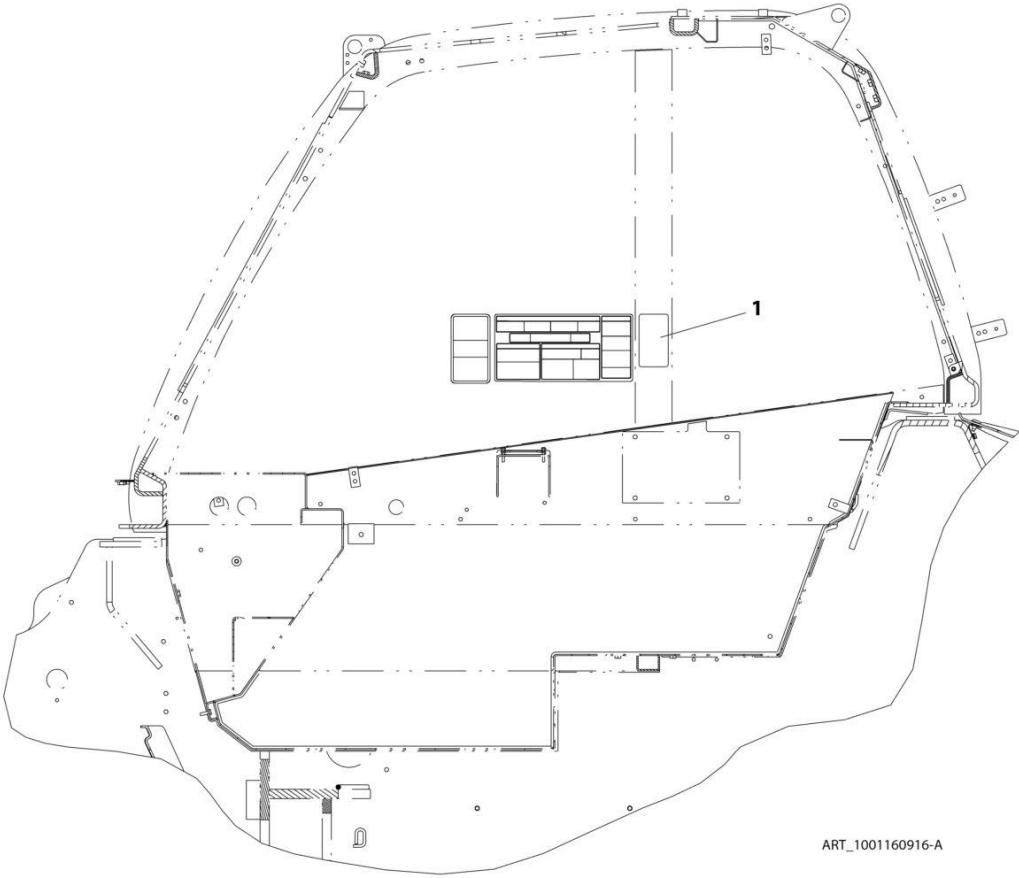
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FIGURE 11-11. REVERSE SENSOR SYSTEM DECAL (ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001160072	1	Reverse Sensor System Decal (English)	A

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FIGURE 11-12. REVERSE SENSOR SYSTEM DECAL (ISO)



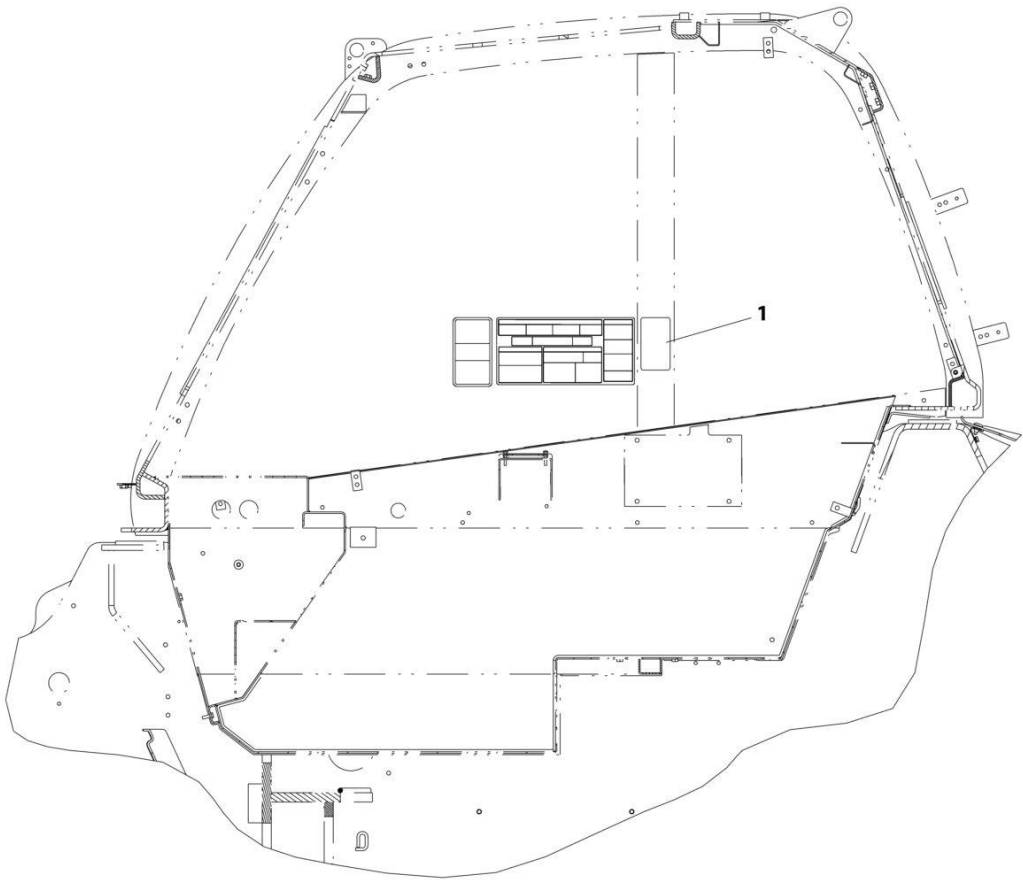
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FIGURE 11-12. REVERSE SENSOR SYSTEM DECAL (ISO)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001160916	1	Reverse Sensor System Decal (ISO)	A

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FIGURE 11-13. REVERSE SENSING SYSTEM DECAL, (ENGLISH/FRENCH)



ART_1001160945-A

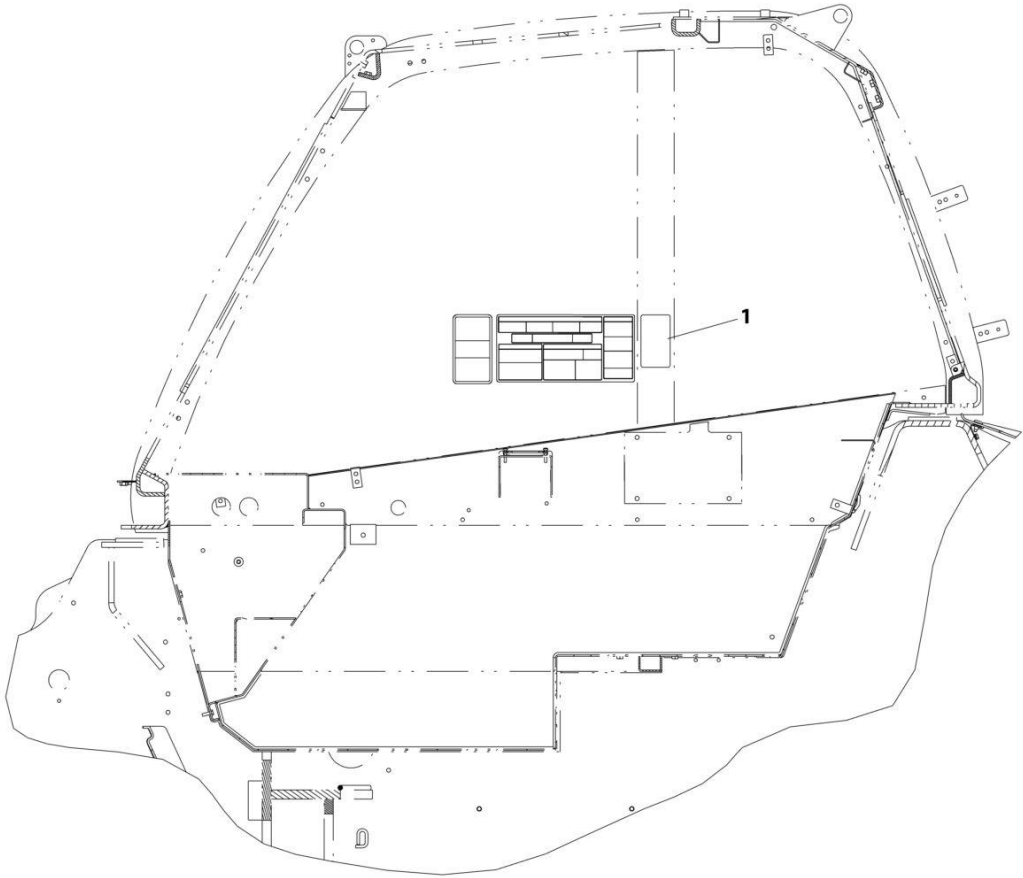
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FIGURE 11-13. REVERSE SENSING SYSTEM DECAL, (ENGLISH/FRENCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001160945	1	Reverse Sensor System Decal (ENGLISH/FRENCH)	A

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FIGURE 11-14. REVERSE SENSOR SYSTEM DECAL (ENGLISH/SPANISH)



ART_1001237846-A

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FIGURE 11-14. REVERSE SENSOR SYSTEM DECAL (ENGLISH/SPANISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001237846	Ref	REVERSE SENSOR SYSTEM DECAL (ENGLISH/SPANISH LANGUAGES)	A

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

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.	
	70026582	1	Coil (Steering Select Valve)	
		Ref	Engine - HRC	
	70024961	1	Filter, Fuel (Pre-Filter)	
	70024962	1	Filter, Fuel	
	7016331	1	Filter, Oil	
	70025852	12	Element, Primary Air Cylindrical Filter	
	70025853	12	Element, Secondary Air Cylindrical Filter	
	8229242	2	Fuse, 5A	
	1001271972	12	FILTER,ELEMENT Hyd Tank	
	1001162662	12	FILTER,BREATHER HYD TANK	
	8229235	2	Fuse, 20A (ASOV & Cab Power Harness)	
	1001177597	1	Diode Module (Engine Harness)	
	2940074	1	Latch (Personal Basket)	
	1001203181	1	Module, Accessory Control (ASOV)	
	1001280661	1	CONTROL,CLEARSKY CS550	
	3740080	1	Relay (ASOV)	
	1001186417	1	Relay, 150 Amp (Relay Panel)	
	1001205172	1	Relay, Micro 280, 12V, 35 Amp (Cab Power Harness)	
	1001247421	1	Sensor, Reverse	
	1001293108	1	SENSOR,FUEL, FUEL TANK	
	1001128478	1	SENSOR,TEMPERATURE, HYD TANK	
	70028514	1	Solenoid (ASOV)	
	1001215941	1	Switch (ASOV)	
	7138878	1	Switch, Horn	
	1001279159	1	SWITCH,FRONT WIPER	
	1001279678	1	SWITCH,WINDSHIELD WASHER	
	1001279158	1	SWITCH,ROOF WIPER	
	1001172547	1	SWITCH,HVAC ROTARY 3 SPEED	
	1001279160	1	SWITCH,AC COMMAND	
	1001279162	1	SWITCH,HAZARDS	
	1001279157	1	SWITCH,WORKLIGHTS	
	1001279677	1	SWITCH,STEER MODE	
	1001279153	1	SWITCH,PARK BRAKE	
	1001273305	1	SWITCH,IGNITION	
	1001283425	1	KEY,SWITCH IGNITION	
	1001279156	1	SWITCH,BEACON	
	1001172550	1	SWITCH, HVAC CONTROL	
	1001271891	1	SWITCH, BEZEL	
	1001279155	1	SWITCH,AUXILIARY	
	1001272111	1	SWITCH,FRAME SWAY	
	1001279154	1	SWITCH,LSI OVERRIDE	

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
		Ref	SPECIAL OPTIONS/ACCESSORIES/KITS	
	See Note	Ref	Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.	
	1001309051	Ref	Aftermarket Kits	D
	1001249695	Ref	Analyzer and Cable Kit	
	1001249941	Ref	Analyzer and Cable Kit (Battery Powered)	
	1001309112	Ref	Anti-Static Strap Kit (Non-Marking Tires)	
	1001309113	Ref	ASOV Kit	
	1001274530	Ref	Battery Disconnect Kit	
	1001309073	Ref	Boom Chain Kit - Extend	
	1001309074	Ref	Boom Chain Kit - Retract	
	1001312363	Ref	Boom Cover Kit	
	1001309114	Ref	Boom Prop Kit	
	1001309072	Ref	Boom Wear Pads Kit	
	1001312851	Ref	Brake Reservoir Service Kit	
	1001293116	Ref	Cab A/C Kit	
	1001293114	Ref	Cab Enclosure Kit	
	1001293112	Ref	Cab Enclosure Kit with Heater	
	1001293113	Ref	Cab Enclosure Kit with HVAC	
	1001293117	Ref	Cab Heater Kit	
	1001293115	Ref	Cab HVAC Kit	
	1001292199	Ref	Camera Kit - Multi-View Rear	
	1001302422	Ref	Clearsky CS550 Lens Repair Kit	
	1001315050	Ref	Clearsky CS550 Shield Kit	
	1001293316	Ref	CUSTOMER TELEMATICS READY (3-WIRE) KIT	
	1001293314	Ref	CUSTOMER TELEMATICS READY (GATEWAY) KIT	
	1001293315	Ref	CUSTOMER TELEMATICS READY (GATEWAY PLUS) KIT	
	1001292142	Ref	Cold Weather Kit	
	1001309075	Ref	Decal Kit	
	1001292232	Ref	Engine Removal Brackets Kit	
	1001293238	Ref	Filter Kit - 1000Hour	
	1001293237	Ref	Filter Kit - 500Hour	
	1001293047	Ref	Fire Extinguisher Kit	
	1001293062	Ref	Lights - Beacon Lights Kit	
	1001292197	Ref	Lights - Roadlights Kit	
	1001292196	Ref	Lights - Worklight Kit (LED)	
	1001293071	Ref	Reverse Sensing System Kit	
	1001293295	Ref	Seat Kit	
	1001314056	Ref	Turf Tire Kit (Set of 4)	
	1001309111	Ref	Wheel Fenders Kit	
	1001292198	Ref	White Noise Alarm Kit	
	1001292200	Ref	Window Kit	
	1001291624	Ref	Beacon Sub-FAPL (Without ClearSky Beacon) - Includes:	
	1001268972	Ref	Beacon Installation (See Separate Breakdown in ELECTRICAL Section)	
	1001273977	Ref	Cold Weather Package Sub-FAPL - Includes:	
	1001275784	Ref	Heater Installation – Hydraulic Tank (See Separate Breakdown in ELECTRICAL Section)	

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275785	Ref	Heater Installation – Battery (See Separate Breakdown in ELECTRICAL Section)	
	1001280332	Ref	Heater Installation – Engine Oil Pan (See Separate Breakdown in ELECTRICAL Section)	
	1001281973	Ref	Drive Train Sub-FAPL - Includes:	
	1001286271	Ref	Drive Motor Installation (See Separate Breakdown in DRIVETRAIN Section)	
	1001286272	Ref	Gearbox installation (See Separate Breakdown in DRIVETRAIN Section)	
	1001286273	Ref	Axles Installation (See Separate Breakdown in DRIVETRAIN Section)	
	1001268882	Ref	Driveshaft Installation (See Separate Breakdown in DRIVETRAIN Section)	
	1001284836	Ref	Electrical Sub-FAPL - Frame - Includes:	
	1001284837	Ref	Frame Electrical Components Installation (See Separate Breakdown in ELECTRICAL Section)	
	1001284838	Ref	Frame Harness Installation (See Separate Breakdown in ELECTRICAL Section)	
	1001281975	Ref	Engine Sub-FAPL - HRC - Includes::	
	1001296159	Ref	Engine Installation (See Separate Breakdown in ENGINE Section)	
	1001269154	Ref	Engine Mounts Installation (See Separate Breakdown in ENGINE Section)	
	1001298624	Ref	Engine Electrical Installation (See Separate Breakdown in ENGINE Section)	
	1001269157	Ref	Engine Air Intake installation (See Separate Breakdown in ENGINE Section)	
	1001269158	Ref	Engine Fuel System Installation (See Separate Breakdown in ENGINE Section)	
	1001286202	Ref	Engine Pumps Installation (See Separate Breakdown in ENGINE Section)	
	1001281976	Ref	Engine Sub-FAPL - LRC - Includes::	
	1001269154	Ref	Engine Mounts Installation (See Separate Breakdown in ENGINE Section)	
	1001298624	Ref	Engine Electrical Installation (See Separate Breakdown in ENGINE Section)	
	1001269157	Ref	Engine Air Intake installation (See Separate Breakdown in ENGINE Section)	
	1001296160	Ref	Engine Installation (See Separate Breakdown in ENGINE Section)	
	1001272236	Ref	Engine Fuel System Installation (See Separate Breakdown in ENGINE Section)	
	1001286202	Ref	Engine Pumps Installation (See Separate Breakdown in ENGINE Section)	
	1001282096	Ref	Hydraulics Sub-FAPL - Includes:	
	1001270782	Ref	Hose Installation – Cab - Includes:	
	1001270784	Ref	Hose Installation – Brakes (See Separate Breakdown in HYDRAULIC Section)	
	1001270783	Ref	Hose Installation – Steer (See Separate Breakdown in HYDRAULIC Section)	
	1001294425	Ref	Hose Installation – Axles (See Separate Breakdown in HYDRAULIC Section)	
	1001270787	Ref	Hose Installation – Pump/Tank (See Separate Breakdown in HYDRAULIC Section)	
	1001289942	Ref	Hose Installation – HydraStatic Drive (See Separate Breakdown in HYDRAULIC Section)	

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001289947	Ref	Hose Installation – Main Control Valve (See Separate Breakdown in HYDRAULIC Section)	
	1001290037	Ref	Hose Installation – Oil Cooler (See Separate Breakdown in HYDRAULIC Section)	
	1001290039	Ref	Hose Installation – Stabilizer/Sway (See Separate Breakdown in HYDRAULIC Section)	
	1001290146	Ref	Hose Installation – Boom (See Separate Breakdown in HYDRAULIC Section)	
	1001268940	Ref	Tanks Sub-FAPL - Includes:	
	1001270110	Ref	Hydraulic Tank Installation - Includes:	
	1001272127	Ref	Hydraulic Tank Installation Assembly (See Separate Breakdown in FRAME AND ATTACHING PARTS Section)	
	1001272128	Ref	Hydraulic Tank Mounting Installation (See Separate Breakdown in FRAME AND ATTACHING PARTS Section)	
	1001270111	Ref	Fuel Tank Installation - Includes:	
	1001272195	Ref	Fuel Tank Assembly (See Separate Breakdown in FRAME AND ATTACHING PARTS Section)	
	1001272194	Ref	Fuel Tank Mounting Installation (See Separate Breakdown in FRAME AND ATTACHING PARTS Section)	

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