



Illustrated Parts Manual

***Model
E313***

**PVC
1001**

**P/N
3122309500
July 1, 2024 - Rev B**



EFFECTIVITY PAGE

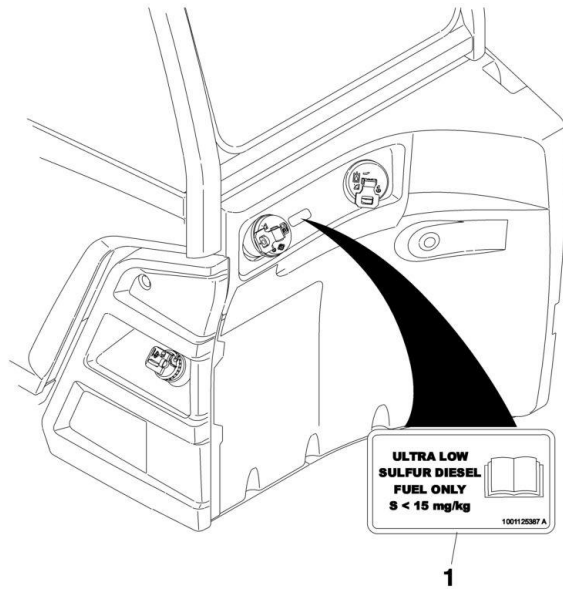
March 1, 2024 - A - Original Issue of Manual (Edited to B/M 1001300313 Revision A)

July 1, 2024 - B - Revised Manual (Edited to B/M 1001300313 Revision B)

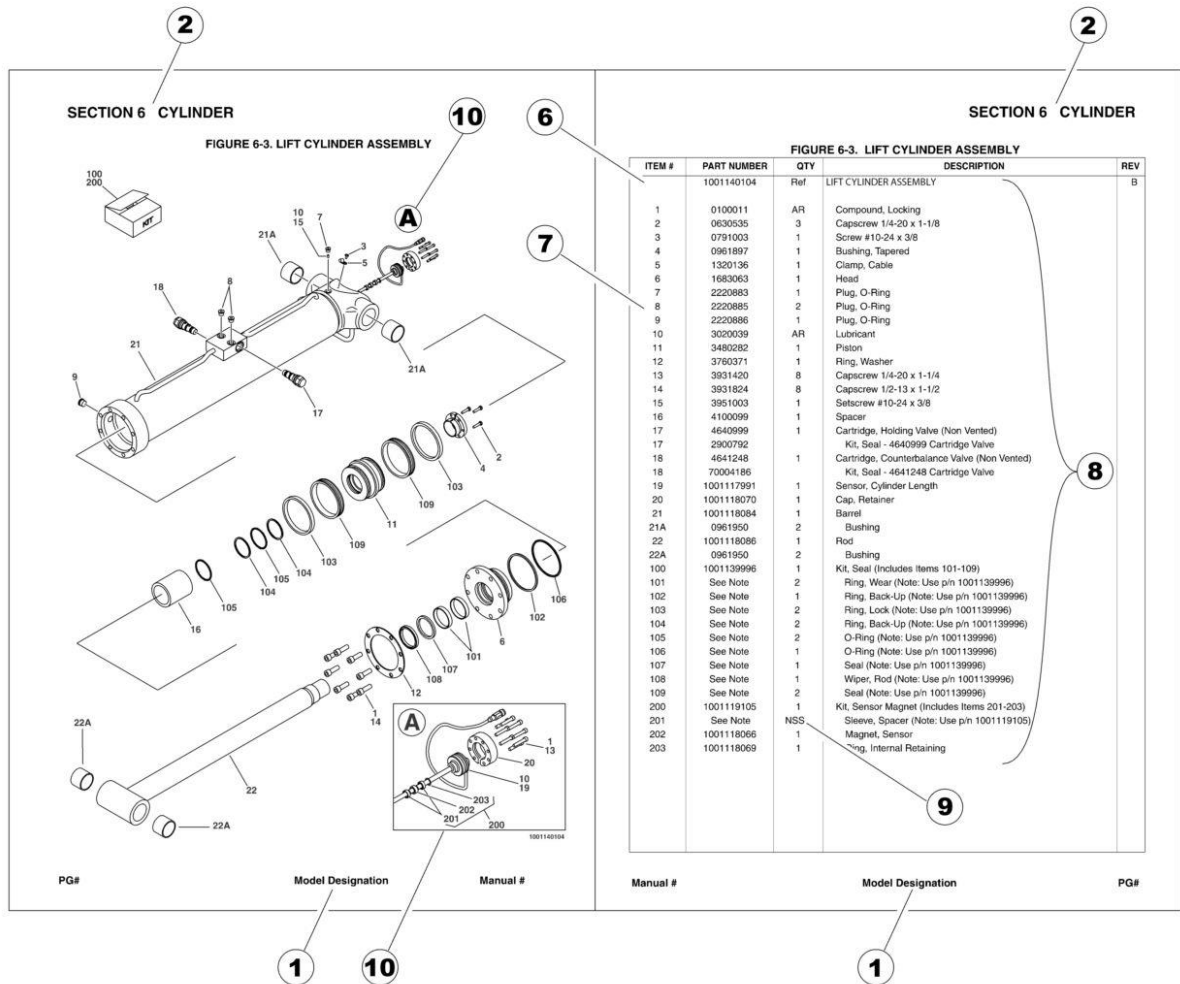
Machine Configuration

Two configurations of each machine are included in this manual. Determine if machine is equipped with Ultra 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.



GENERAL INFORMATION



1) MACHINE IDENTIFICATION

Machines are identified by model and in some cases a combination of models, serial number (SN) or regional standard (i.e ANSI, CE, CSA). Components may also be identified by SN or manufacturer. Common components that may be identified by these characteristics are engines and hydraulic components.

2) PARTS MANUAL ORGANIZATION

Product information in this manual is organized under section titles. Frame, Cylinder, Hydraulic 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 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.

GENERAL INFORMATION

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. In case of parts that are not available for service within assemblies or components, there will be a NSS (Not Sold Separately) or NLA (No Longer Available) listed in the Qty. 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 the sequence in the parts list 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	L.....	Liter
ADE.....	Advanced Design Electronics	LB(LBS).....	Pounds
AG.....	Agricultural	LCD.....	Liquid Crystal Display
ANSI.....	American National Standards Institute	LED.....	Light Emitting Diodes
AR.....	As Required	LH.....	Left Hand
ASSY.....	Assembly	LRC.....	Low Rated Countries
AUS.....	Australia	LSS.....	Load Sensing System
AUX.....	Auxiliary	M(m).....	Metric/Meter
AWG.....	American Wire Gauge	MM(mm).....	Milimeter
B/M.....	Bill of Material	mA.....	Miliamps
CAC.....	Charge Air Cooler	NLA.....	No Longer Available
CE.....	European Conformity	NPT.....	National Pipe Threads
CCW.....	Counter Clockwise	NSS.....	Not Sold Separately
CM.....	Centimeter	OD.....	Outside Diameter
CW.....	Clockwise	ORB.....	O-Ring Boss
CSA.....	Canadian Standards Association	ORFS.....	O-Ring Face Seal
CYL.....	Cylinder	OZ (oz).....	Ounces
DIA.....	Diameter	PG.....	Page
DC.....	Direct Current	PN.....	Part Number
DEF.....	Diesel Exhaust Fluid	QT(qt.).....	Quarts
EMS.....	Emergency Stop	QTY.....	Quantity
ENG.....	Engine	REF.....	Reference
FT(ft).....	Feet	REV.....	Revision Level
GA(Ga).....	Gauge	RH.....	Right Hand
HRC.....	High Rated Countries	SAE.....	Society of Automotive Engineers
HVAC.....	Heating, Ventilating, and Air Conditioning	SN.....	Serial Number
HYD.....	Hydraulic	SPEC(S).....	Specifications
Hz.....	Hertz	T/T.....	Turntable
ID.....	Inside Diameter	UGM.....	Universal Ground Module
IN.....	inches	V.....	Volts
ISO.....	International Organization for Standards	W.....	Watts
JIC.....	Joint Industry Council	#.....	Number
KG.....	Kilogram		

10) ILLUSTRATION REFERENCE LETTERS

When necessary, illustrations may contain reference letters that are intended to track information (i. e. hoses, harnesses) from one point to another or to track visual enlargement of components to show details that may be located in another area on 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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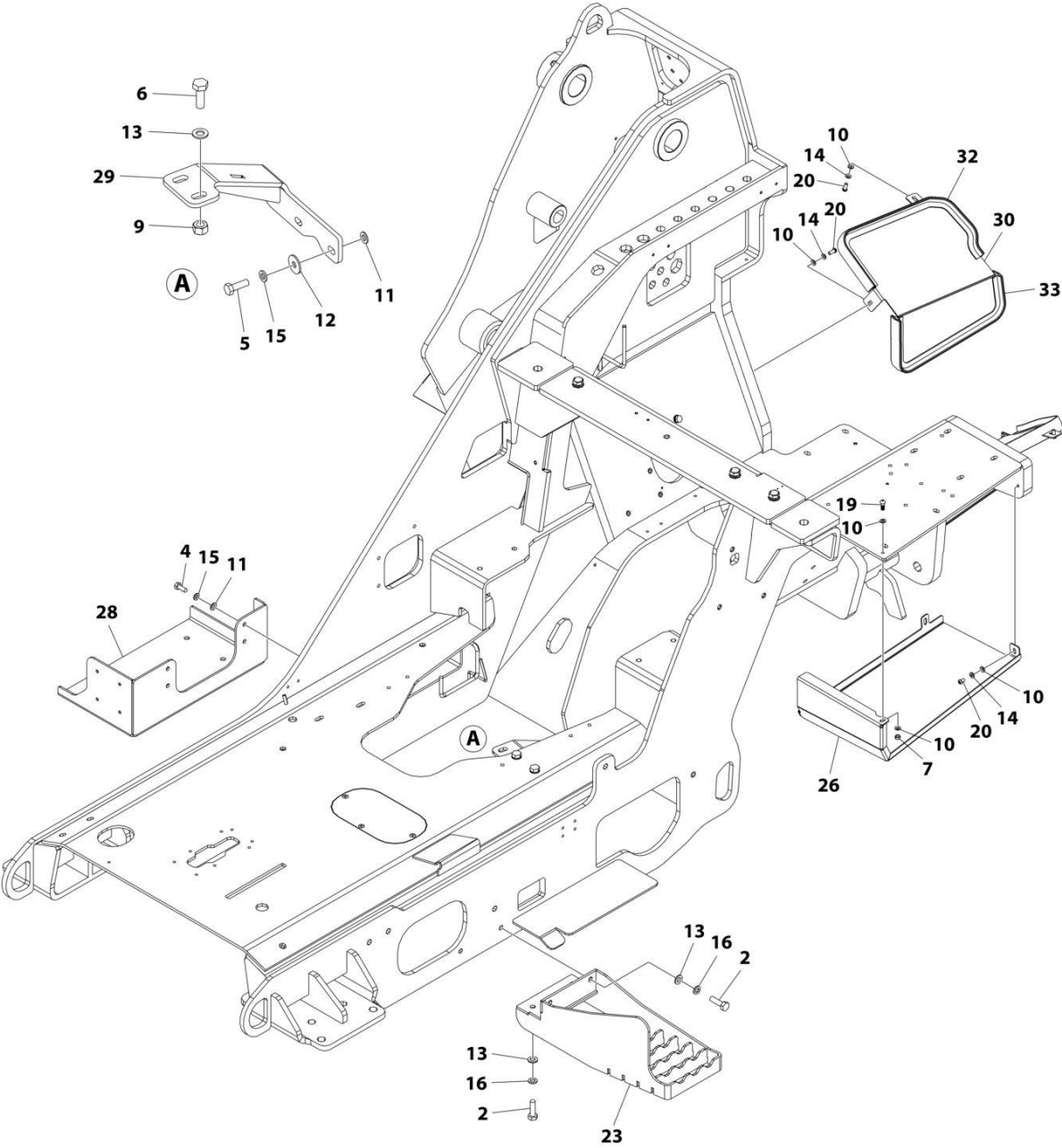
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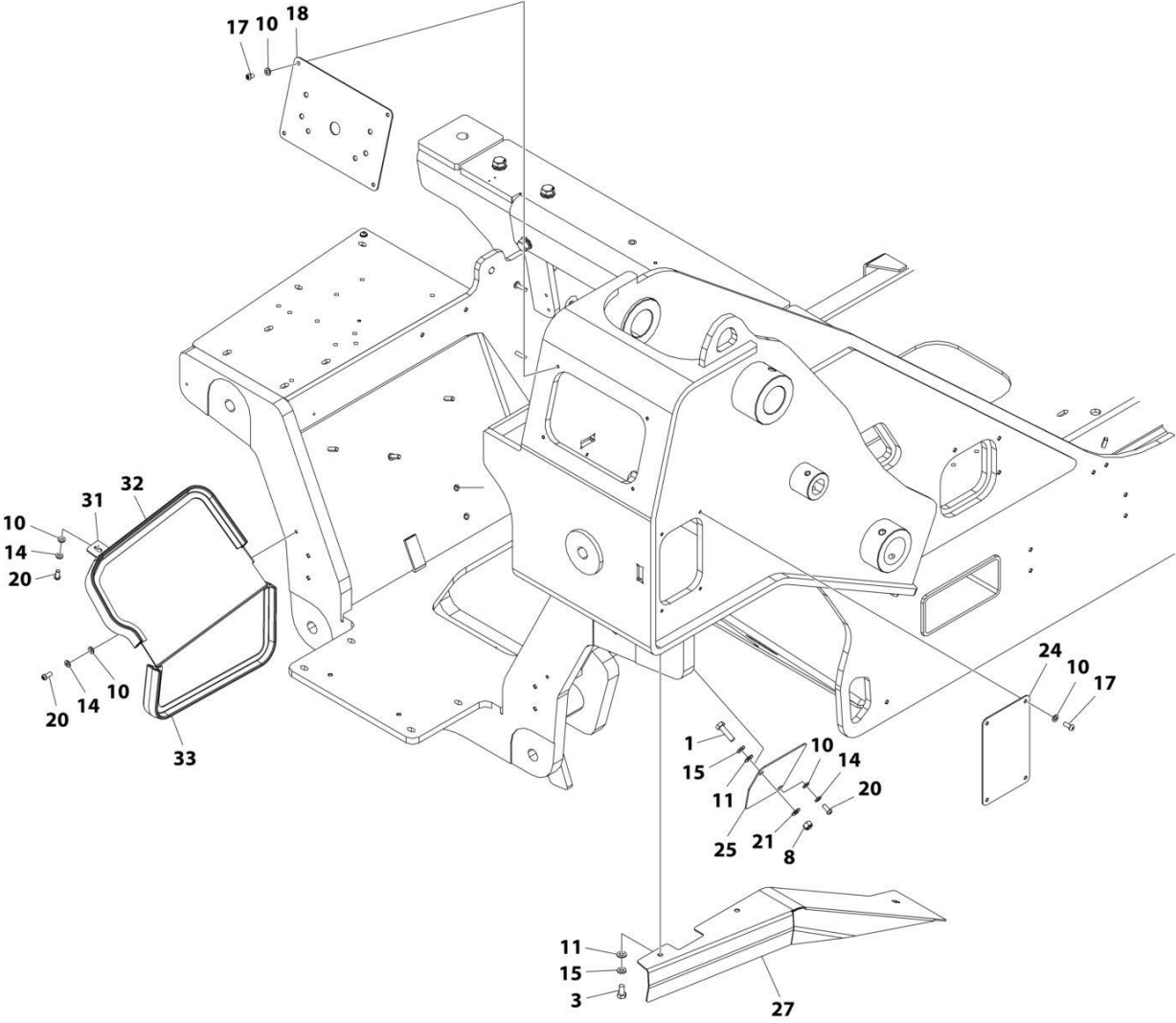
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-1. FRAME COMPONENTS INSTALLATION



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SECTION 1 - FRAME AND ATTACHING PARTS



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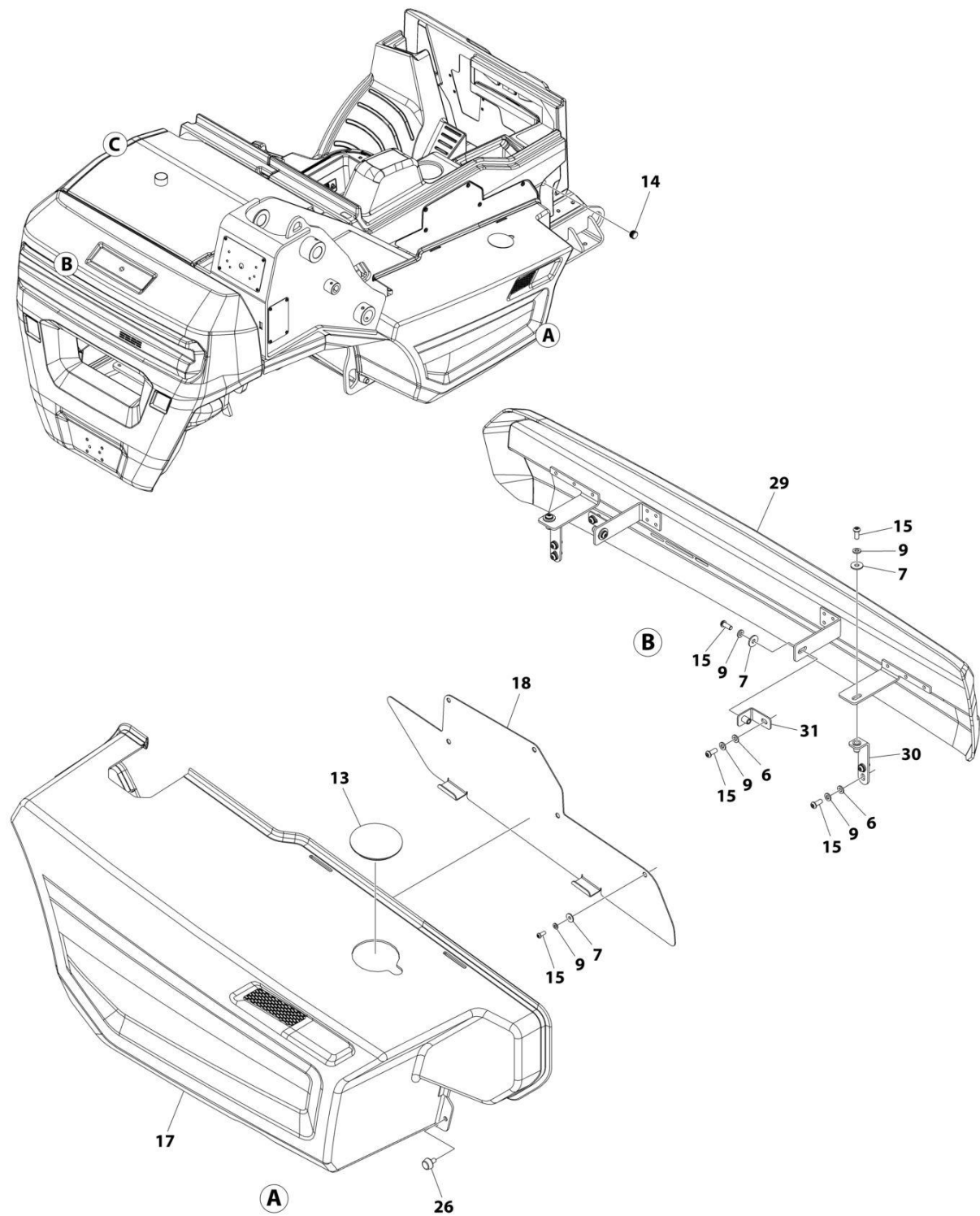
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-1. FRAME COMPONENTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301171	Ref	FRAME COMPONENTS INSTALLATION	A
1	0700814	1	Bolt M8 x 30	
2	0701015	4	Bolt M10 x 35	
3	0760808	3	Bolt M8 x 16	
4	0760810	4	Bolt M8 x 20	
5	0760812	2	Bolt M8 x 25	
6	0761014	2	Bolt M10 x 30	
7	3290605	1	Nut M6	
8	3290805	1	Nut M8	
9	3291005	2	Nut M10	
10	4811700	18	Washer M6	
11	4811900	10	Washer M8	
12	4811902	2	Washer M8	
13	4812000	6	Washer M10	
14	4831700	8	Washer M6	
15	4831900	10	Washer M8	
16	4832000	4	Washer M10	
17	1001261563	8	Capscrew M6 x 10 Class 10.9	
18	1001261674	1	Panel	
19	1001262607	1	Capscrew M6 x 20 Class 10.9	
20	1001264021	8	Capscrew M6 x 15 Class 10.9	
21	1001264265	1	Washer M8	
23	1001301174	1	Step	
24	1001301176	1	Panel	
25	1001301177	1	Panel, Filter Access	
26	1001301178	1	Bracket	
27	1001301186	1	Panel, Fender	
28	1001306953	1	Mount, Motor	
29	1001306954	1	Bracket, Motor	
30	1001306955	1	Panel, Profile - Right	
31	1001306956	1	Panel, Profile - Left	
32	1001306957	2	Seal	
33	1001308793	2	Seal	

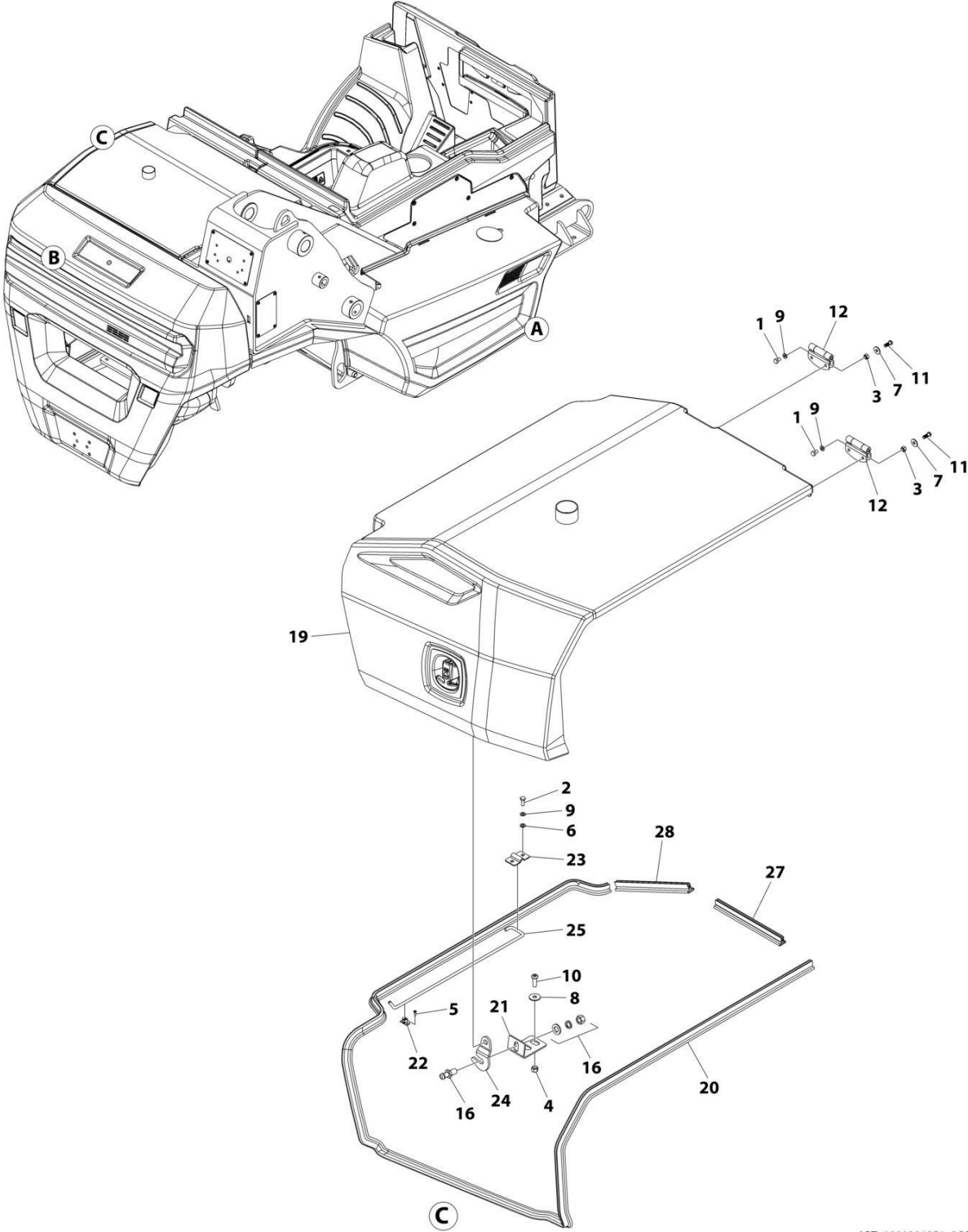
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-2. ENCLOSURES INSTALLATION



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SECTION 1 - FRAME AND ATTACHING PARTS



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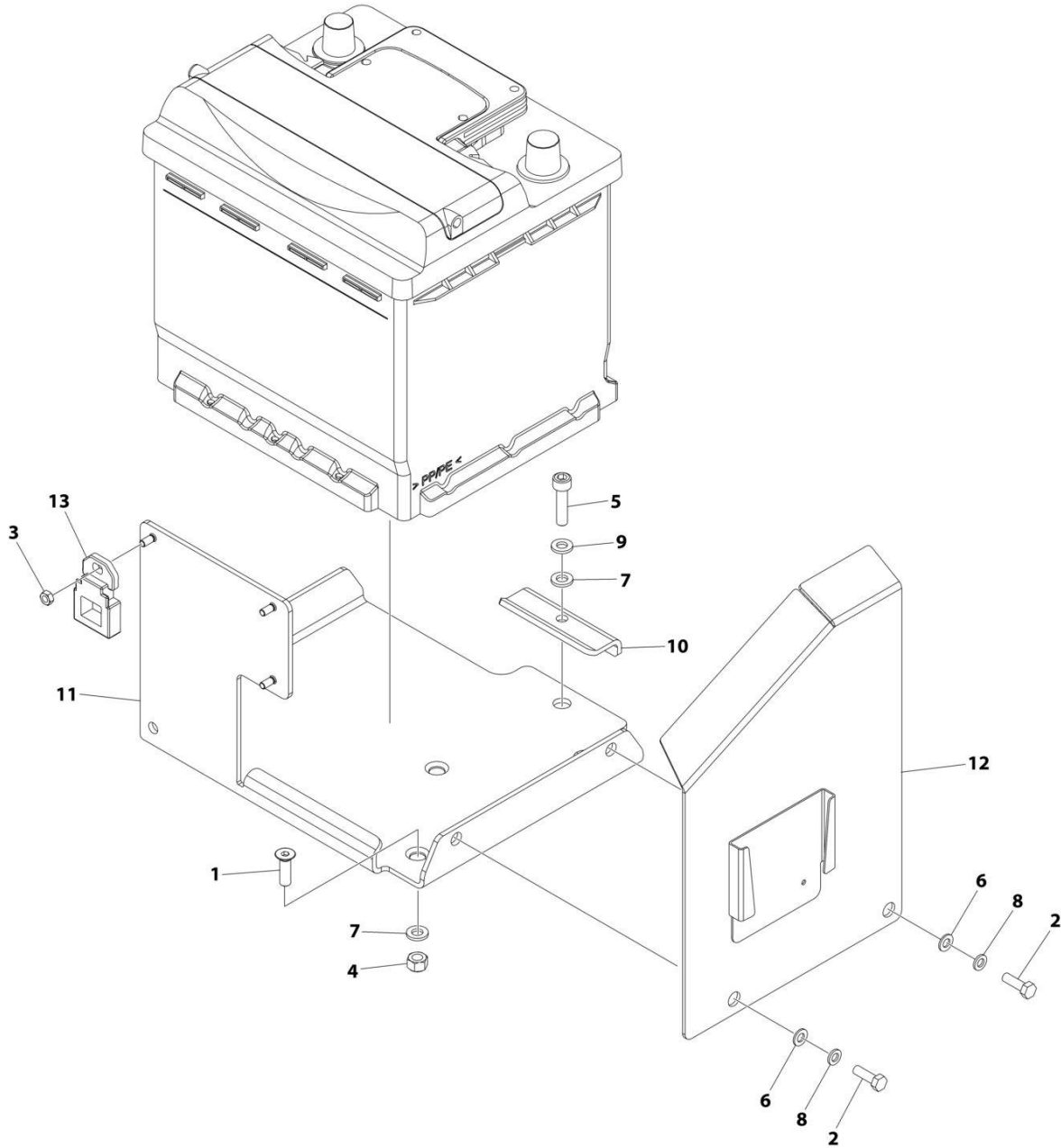
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-2. ENCLOSURES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306851	Ref	ENCLOSURES INSTALLATION	A
1	0760605	4	Bolt M6 x 10	
2	0760608	2	Bolt M6 x 16	
3	3290605	4	Nut M6	
4	3290805	2	Nut M8	
5	4031205	2	Capscrew M3 x 10	
6	4811700	8	Washer M6	
7	4811702	13	Washer M6	
8	4811902	2	Washer M8	
9	4831700	21	Washer M6	
10	1001261564	2	Capscrew M8 x 25	
11	1001262607	4	Capscrew M6 x 20 Class 10.9	
12	1001263880	2	Hinge	
13	1001263881	1	Cover	
14	1001264009	1	Plug	
15	1001264021	15	Capscrew M6 x 15 Class 10.9	
16	1001304425	1	Pin, Lock (Includes Hardware)	
17	1001304426	1	Hood, Side	
18	1001304427	1	Bracket, Side Hood	
19	1001304428	1	Hood, Engine	
20	1001304430	1	Seal, Engine Hood Front & Side	
21	1001304431	1	Bracket	
22	1001304432	1	Clip, Hood Prop	
23	1001304433	1	Clamp, Hood Prop	
24	1001304434	1	Hook, Latch	
25	1001304435	1	Prop, Engine Hood	
26	1001304465	3	Bumper	
27	1001305987	1	Seal, Engine Hood Rear	
28	1001305989	1	Seal, Engine Hood Rear	
29	1001309438	1	Cover	
30	1001309993	2	Bracket	
31	1001309994	2	Bracket	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-3. BATTERY TRAY INSTALLATION - 12V BATTERY



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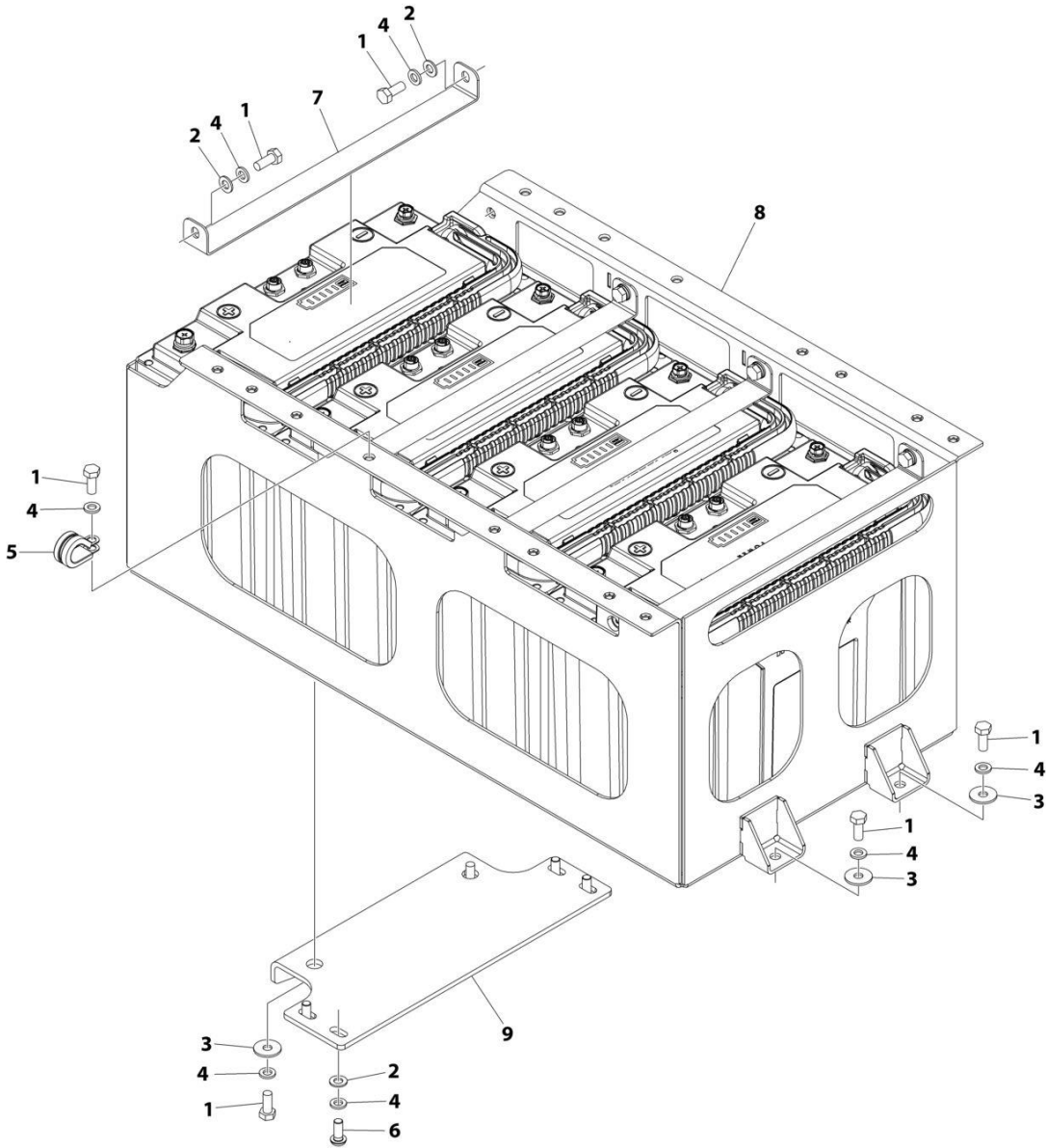
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-3. BATTERY TRAY INSTALLATION - 12V BATTERY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308073	Ref	BATTERY TRAY INSTALLATION	A
1	0630576	3	Capscrew M6 x 20	
2	0760508	2	Bolt M5 x 16	
3	3290401	1	Nut M4	
4	3290605	3	Nut M6	
5	4031709	1	Capscrew M6 x 25	
6	4811600	2	Washer M5	
7	4811700	4	Washer M6	
8	4831600	2	Washer M5	
9	4831700	1	Washer M6	
10	1001264429	1	Bracket, Hold Down	
11	1001308835	1	Tray	
12	1001308838	1	Panel	
13	1001308903	1	Fuseholder	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-4. BATTERY TRAY INSTALLATION - 48V BATTERY (BOTTOM)



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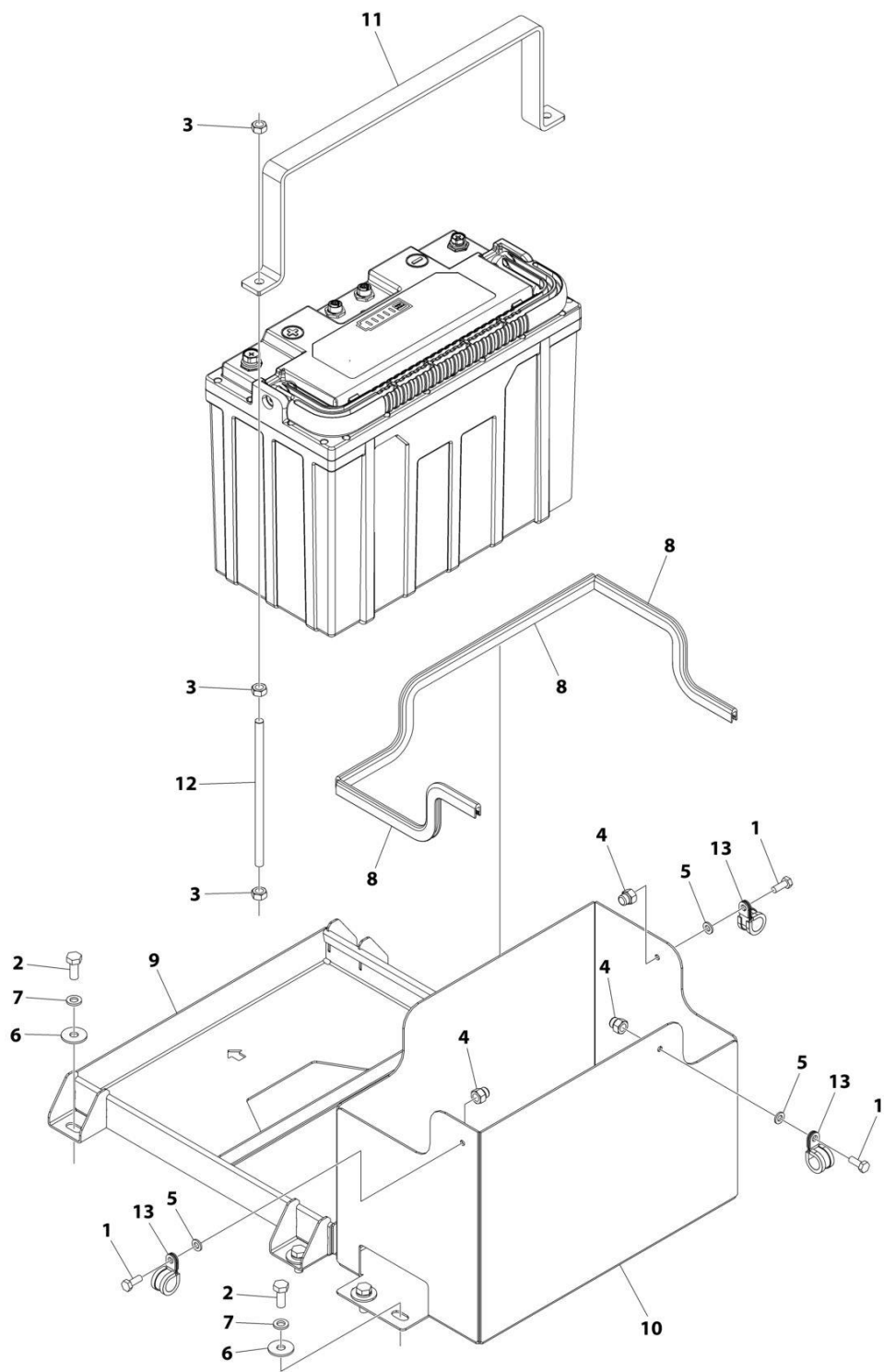
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-4. BATTERY TRAY INSTALLATION - 48V BATTERY (BOTTOM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308074	Ref	BATTERY TRAY INSTALLATION	A
1	0760810	13	Bolt M8 x 20	
2	4811900	12	Washer M8	
3	4811902	4	Washer M8	
4	4831900	17	Washer M8	
5	1001262471	1	Clamp	
6	1001262664	4	Capscrew M8 x 10 Class 10.9	
7	1001308990	4	Bracket, Hold Down	
8	1001308991	1	Frame	
9	1001308992	1	Plate	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-5. BATTERY TRAY INSTALLATION - 48V BATTERY (TOP - SIX BATTERY SYSTEMS)



ART_1001308076

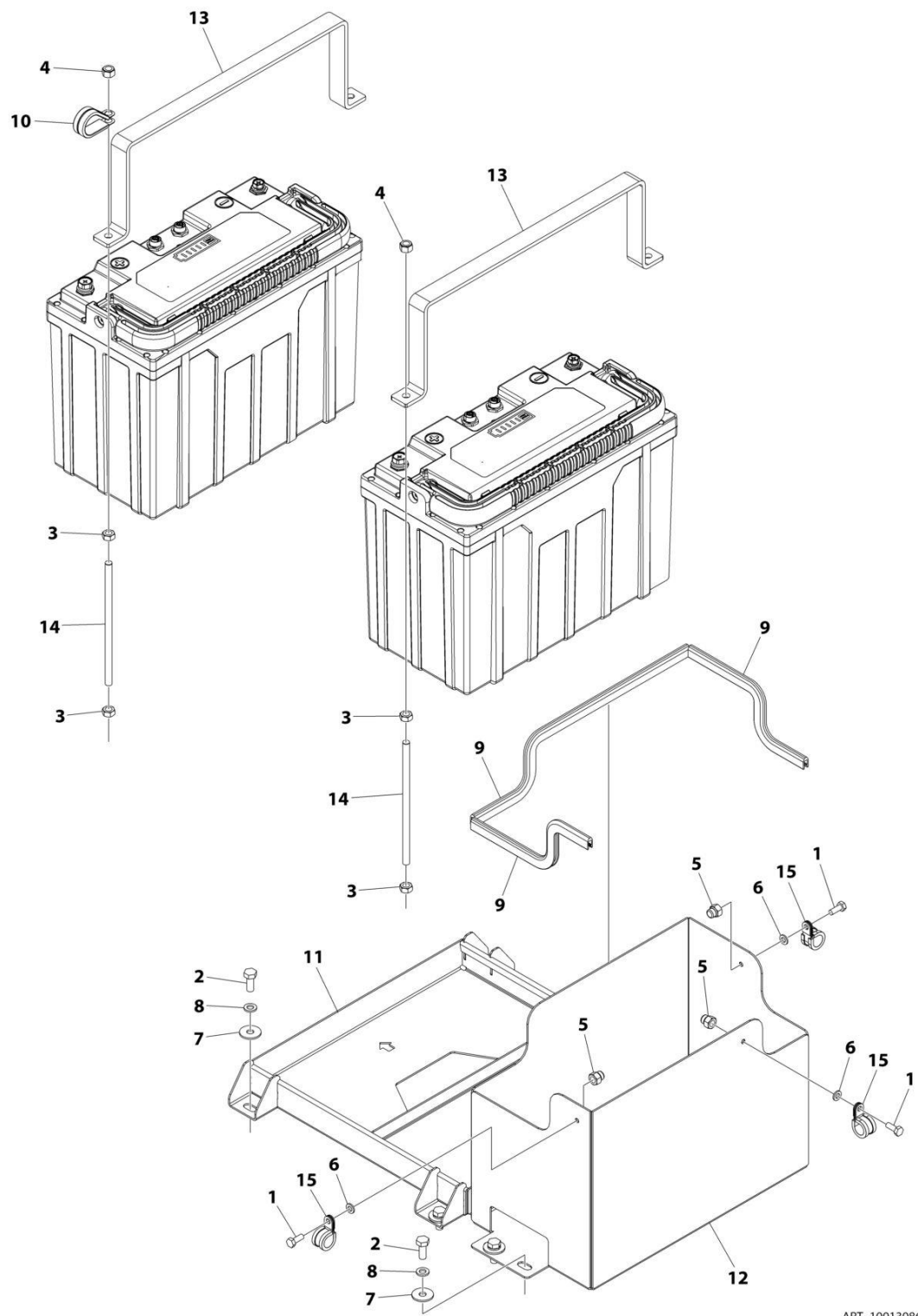
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-5. BATTERY TRAY INSTALLATION - 48V BATTERY (TOP - SIX BATTERY SYSTEMS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308076	Ref	BATTERY TRAY INSTALLATION	A
1	0760608	3	Bolt M6 x 16	
2	0760810	8	Bolt M8 x 20	
3	3290801	6	Nut M8	
4	3290806	3	Nut M8	
5	4811700	3	Washer M6	
6	4811902	8	Washer M8	
7	4831900	8	Washer M8	
8	1001262969	3	Seal	
9	1001309129	1	Tray	
10	1001309130	1	Box, Battery	
11	1001309131	1	Bracket, Hold Down	
12	1001309132	2	Rod, Threaded M8	
13	1001309133	3	Clamp	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-6. BATTERY TRAY INSTALLATION - 48V BATTERY (TOP - SEVEN BATTERY SYSTEMS)



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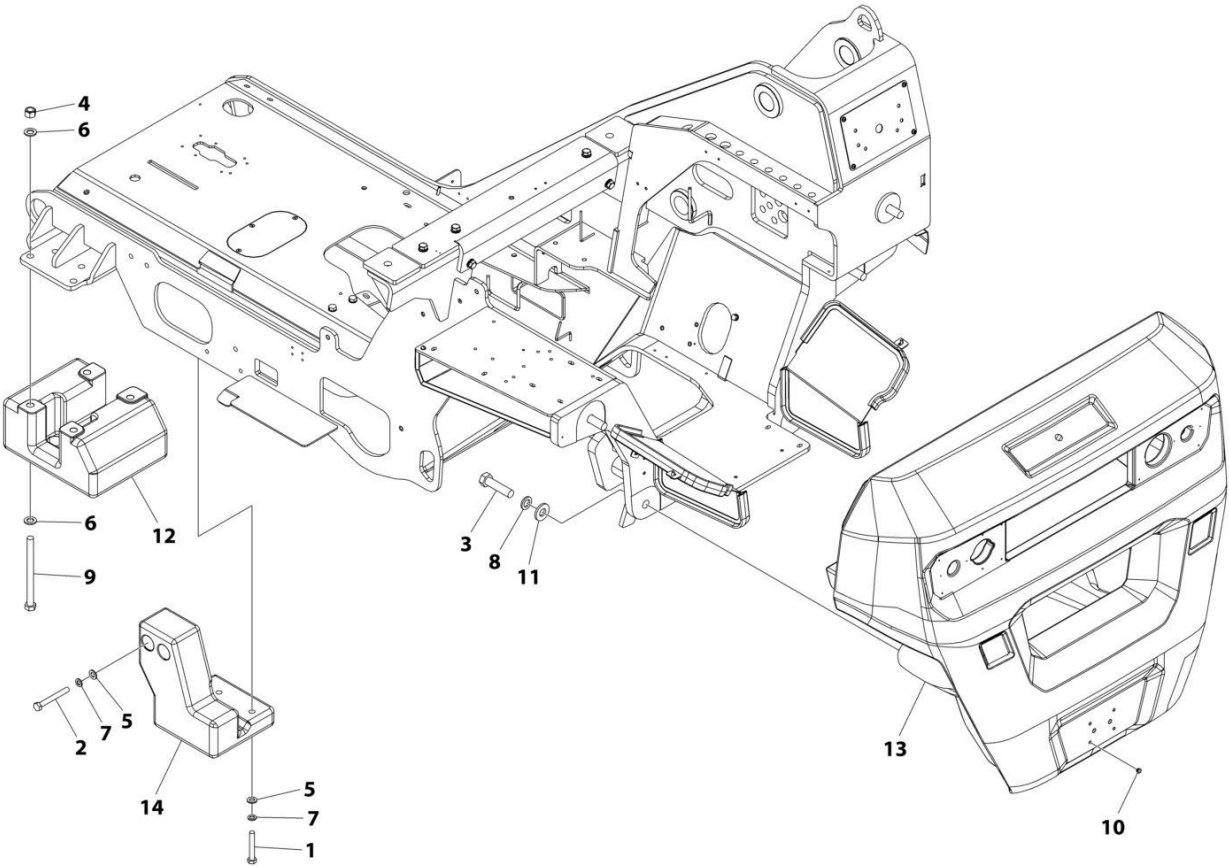
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-6. BATTERY TRAY INSTALLATION - 48V BATTERY (TOP - SEVEN BATTERY SYSTEMS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308681	Ref	BATTERY TRAY INSTALLATION	A
1	0760608	3	Bolt M6 x 16	
2	0760810	8	Bolt M8 x 20	
3	3290801	8	Nut M8	
4	3290805	4	Nut M8	
5	3290806	3	Nut M8	
6	4811700	3	Washer M6	
7	4811902	8	Washer M8	
8	4831900	8	Washer M8	
9	1001262969	3	Seal	
10	1001264368	1	Clamp	
11	1001309129	1	Tray	
12	1001309130	1	Box, Battery	
13	1001309131	2	Bracket, Hold Down	
14	1001309132	4	Rod, Threaded M8	
15	1001309133	3	Clamp	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-7. COUNTERWEIGHTS INSTALLATION



ART_1001306850

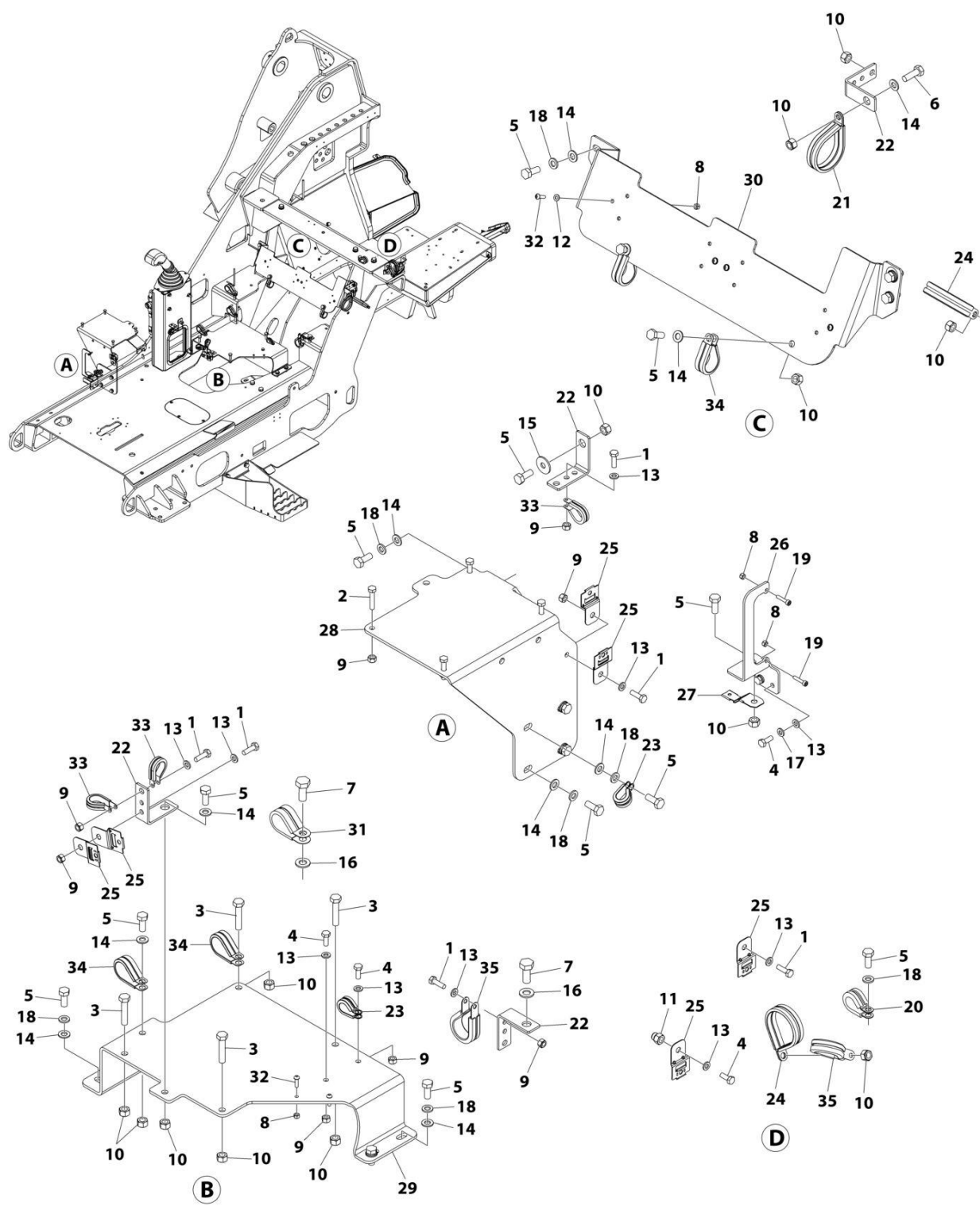
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-7. COUNTERWEIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306850	Ref	COUNTERWEIGHTS INSTALLATION	A
1	0701224	2	Bolt M12 x 80	
2	0701227	2	Bolt M12 x 100	
3	0712024	5	Bolt M20 x 80 Class 10.9	
4	3291605	4	Nut M16	
5	4812100	4	Washer M12	
6	4812300	8	Washer M16	
7	4832100	4	Washer M12	
8	4832500	5	Washer M20	
9	1001091951	4	Bolt M16 x 200 Class 10.9	
10	1001261567	4	Plug	
11	1001262981	5	Washer M20	
12	1001303675	1	Counterweight, Front	
13	1001303676	1	Counterweight, Rear	
14	1001307382	1	Counterweight, Mid	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-8. ELECTRICAL SUPPORTS INSTALLATION



ART_1001307341

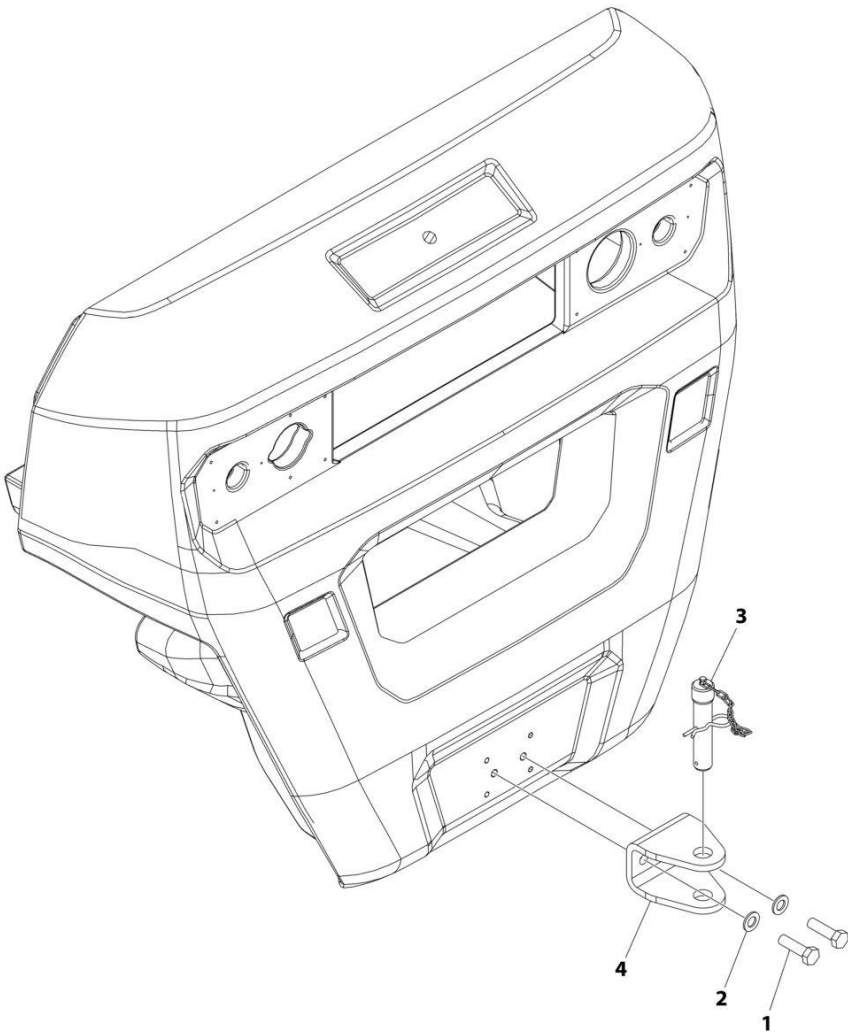
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-8. ELECTRICAL SUPPORTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307341	Ref	ELECTRICAL SUPPORTS INSTALLATION	A
1	0700610	6	Bolt M6 x 20	
2	0700614	4	Bolt M6 x 30	
3	0700816	4	Bolt M8 x 40	
4	0760608	5	Bolt M6 x 16	
5	0760810	19	Bolt M8 x 20	
6	0760812	1	Bolt M8 x 25	
7	0761012	2	Bolt M10 x 25	
8	3290405	8	Nut M4	
9	3290605	11	Nut M6	
10	3290805	14	Nut M8	
11	3290806	1	Nut M8	
12	4811400	4	Washer M4	
13	4811700	11	Washer M6	
14	4811900	17	Washer M8	
15	4811902	1	Washer M8	
16	4812000	2	Washer M10	
17	4831700	2	Washer M6	
18	4831900	13	Washer M8	
19	1001110269	2	Capscrew M4 x 20	
20	1001262471	1	Clamp	
21	1001304206	1	Clamp	
22	1001304421	4	Bracket	
23	1001304558	2	Clamp	
24	1001304559	2	Clamp	
25	1001306640	6	Clip	
26	1001306655	1	Bracket	
27	1001306669	1	Clip	
28	1001308295	1	Bracket	
29	1001308296	1	Bracket	
30	1001308297	1	Bracket	
31	1001308298	1	Clamp	
32	1001264387	6	Capscrew M4 x 15 Class 10.9	
33	1001264676	3	Clamp	
34	1001264368	4	Clamp	
35	1001264677	2	Clamp	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-9. HITCH INSTALLATION



ART_1001304448

SECTION 1 - FRAME AND ATTACHING PARTS

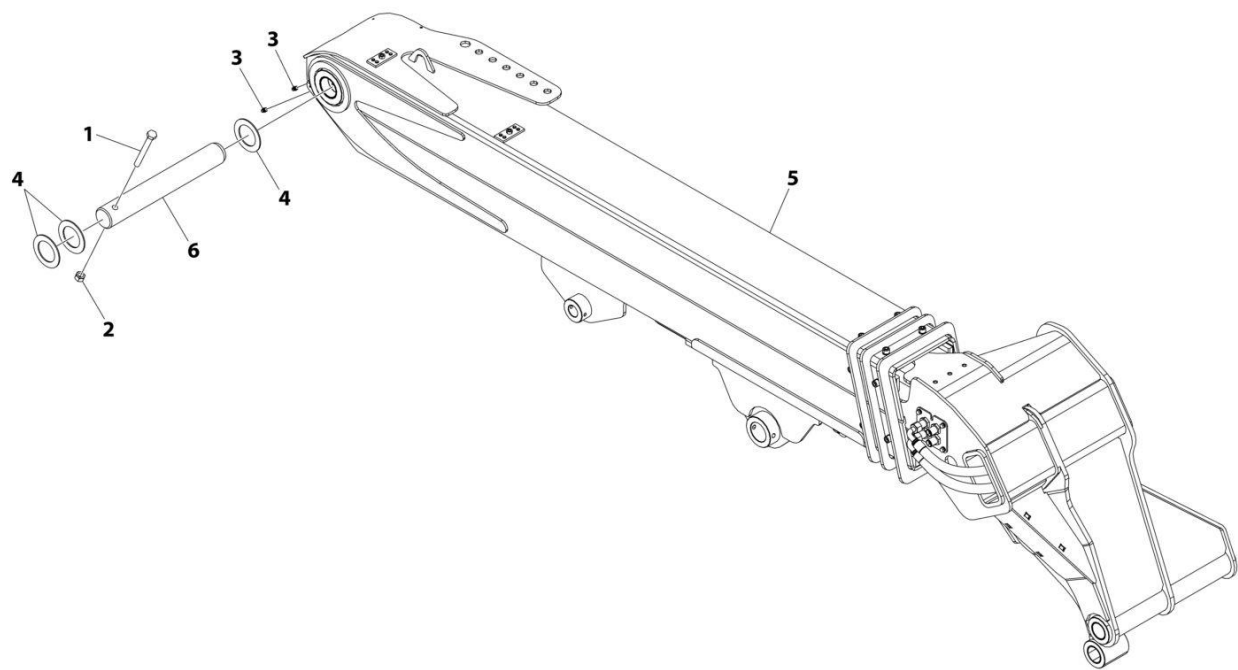
FIGURE 1-9. HITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001304448	Ref	HITCH INSTALLATION	A
1	0701418	2	Bolt M14 x 50	
2	4812200	2	Washer M14	
3	1001263865	1	Pin, Hitch	
4	1001305615	1	Bracket, Hitch	

SECTION 2 - BOOM

SECTION 2 - BOOM

FIGURE 2-1. BOOM INSTALLATION



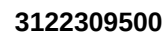
ART_1001301333

FIGURE 2-1. BOOM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301333	Ref	BOOM INSTALLATION	A
1	0761228	1	Bolt M12 x 110	
2	3291207	1	Nut M12	
3	1001261547	2	Fitting, Grease	
4	1001261549	3	Shim	
5	1001301519	1	Boom Assembly (See Separate Breakdown in this Section)	
6	1001301903	1	Pin	

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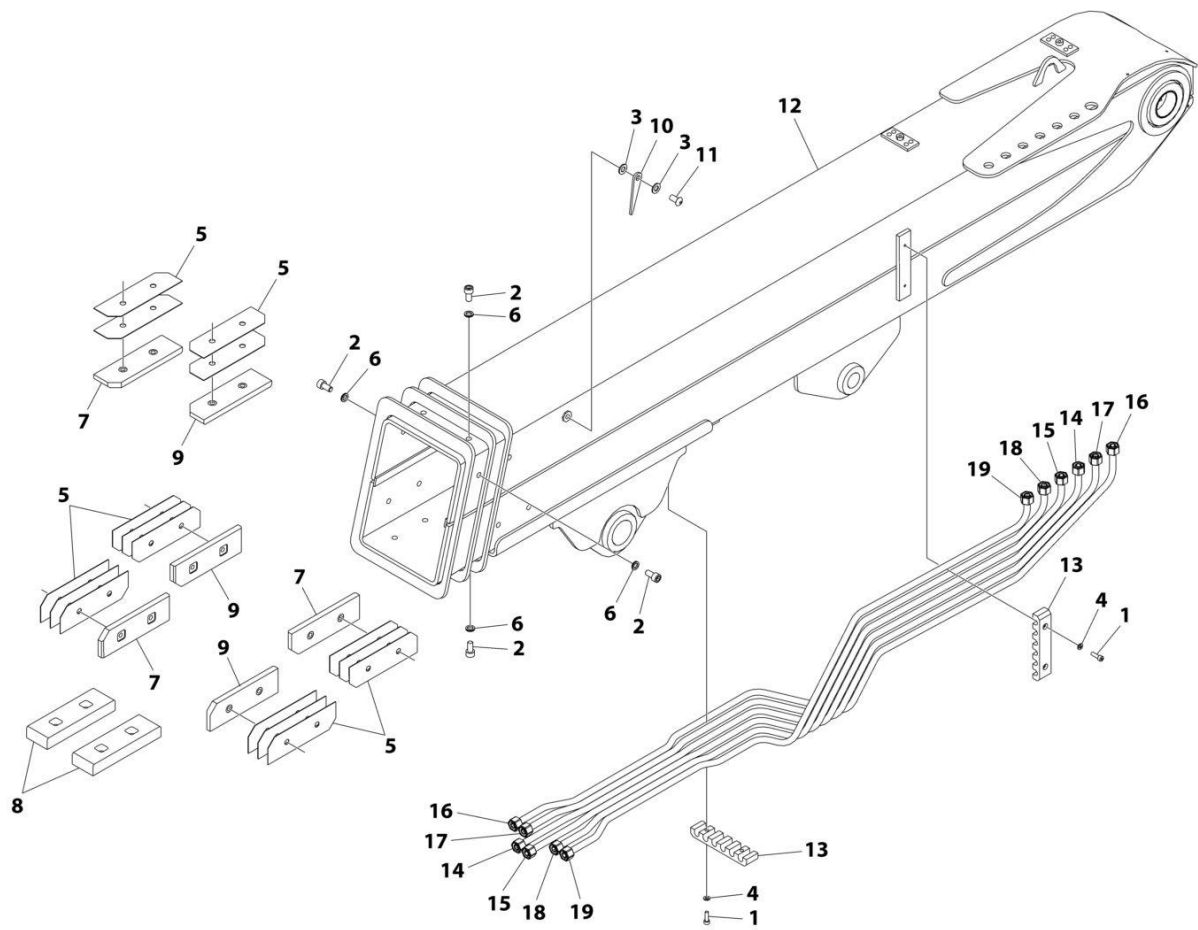
ART_1001301519

FIGURE 2-2. BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301519	Ref	BOOM ASSEMBLY	A
1	0761010	1	Bolt M10 x 20	
2	0761214	4	Bolt M12 x 30	
3	2141504	4	Fitting, Straight	
4	2141809	6	Fitting, 90	
5	2142713	1	Fitting, Straight	
6	2143403	2	Fitting, 90	
7	2143404	6	Fitting, 90	
8	4812000	1	Washer M10	
9	4832000	1	Washer M10	
10	4832100	4	Washer M12	
11	1001263158	2	Fitting, Straight	
12	1001263161	2	Fitting, 90	
13	1001301518	1	Base Boom Assembly (See Separate Breakdown in this Section)	
14	1001301582	1	Fly Boom Assembly (See Separate Breakdown in this Section)	
15	1001301850	1	Telescope Cylinder Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
16	1001301926	1	Hose	
17	1001301927	1	Hose	
18	1001301942	1	Hose	
19	1001301975	1	Tilt Cylinder Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
20	1001301982	1	Pin	
21	1001301995	1	Hose	
22	1001302074	1	Hose	
23	1001302508	1	Fitting, 90	
24	1001302511	1	Fitting, Straight	

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FIGURE 2-3. BASE BOOM ASSEMBLY



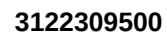
ART_1001301518

FIGURE 2-3. BASE BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301518	Ref	BASE BOOM ASSEMBLY	A
1	4031708	4	Capscrew M6 x 20	
2	4032008	16	Capscrew M10 x 20	
3	4812000	2	Washer M10	
4	4831700	4	Washer M6	
5	1001261550	16	Shim	
6	1001261551	16	Washer M10	
7	1001261554	3	Pad, Wear	
8	1001261555	2	Pad, Wear	
9	1001261556	3	Pad, Wear	
10	1001261560	1	Indicator, Angle	
11	1001261565	1	Capscrew M10 x 20	
12	1001301516	1	Boom, Base	
13	1001301870	2	Clamp	
14	1001301993	1	Pipe, Telescope Cylinder Extend	
15	1001301994	1	Pipe, Telescope Cylinder Retract	
16	1001301996	1	Pipe, Tilt Cylinder Extend	
17	1001301997	1	Pipe, Tilt Cylinder Retract	
18	1001301998	1	Pipe, Auxiliary Hydraulics	
19	1001301999	1	Pipe, Auxiliary Hydraulics	

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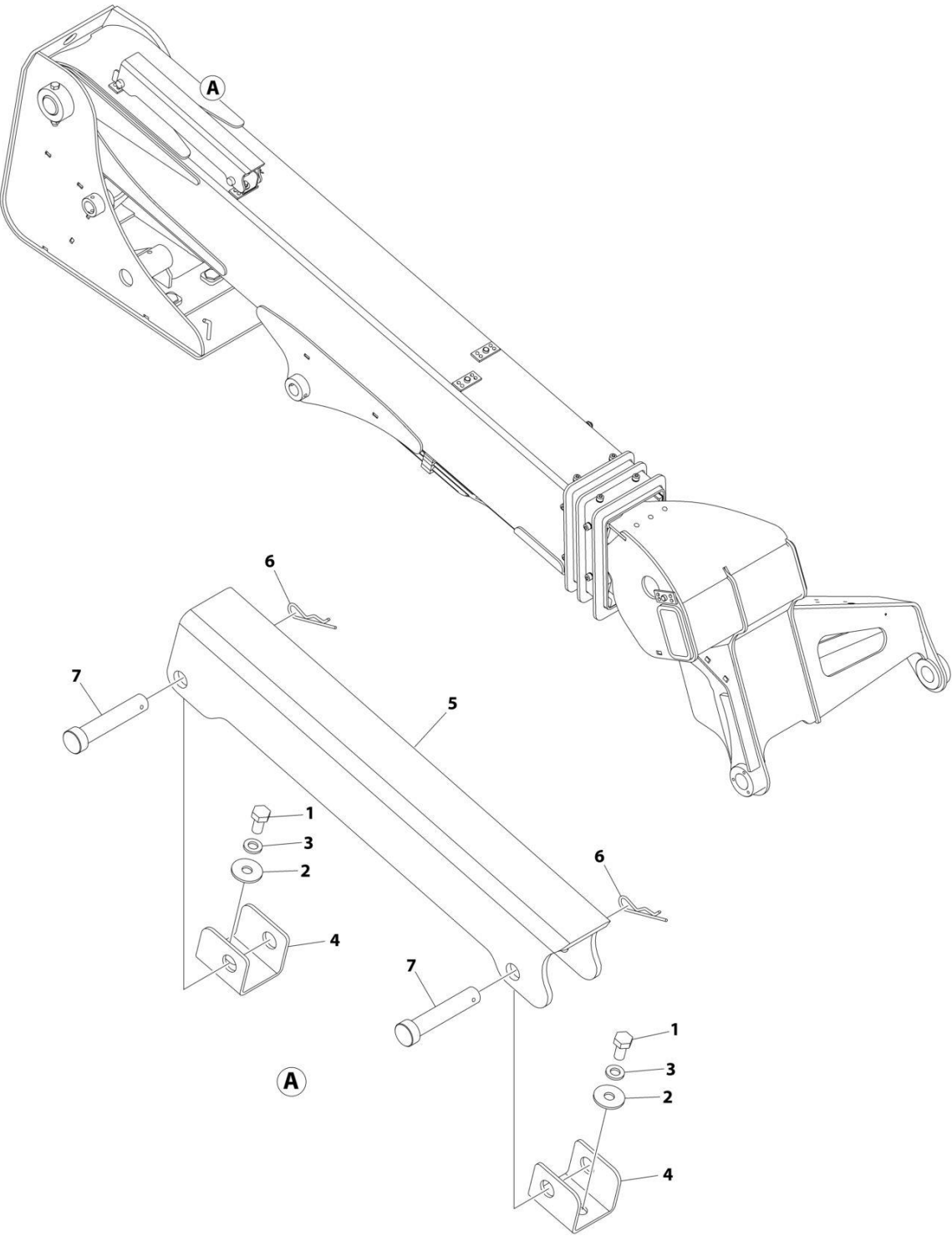
ART_1001301582

FIGURE 2-4. FLY BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301582	Ref	FLY BOOM ASSEMBLY	A
1	0700610	4	Bolt M6 x 20	
2	4031908	1	Bolt M8 x 20	
3	4032008	2	Capscrew M10 x 20	
4	4811700	4	Washer M6	
5	4831700	4	Washer M6	
6	1001261550	14	Shim	
7	1001261551	14	Washer M10	
8	1001261565	12	Capscrew M10 x 20	
9	1001262033	6	Pad, Wear	
10	1001262034	1	Pad, Wear	
11	1001262036	1	Guide, Hose	
12	1001301899	1	Plate	
13	1001301987	1	Boom, Fly	

SECTION 2 - BOOM

FIGURE 2-5. BOOM PROP INSTALLATION



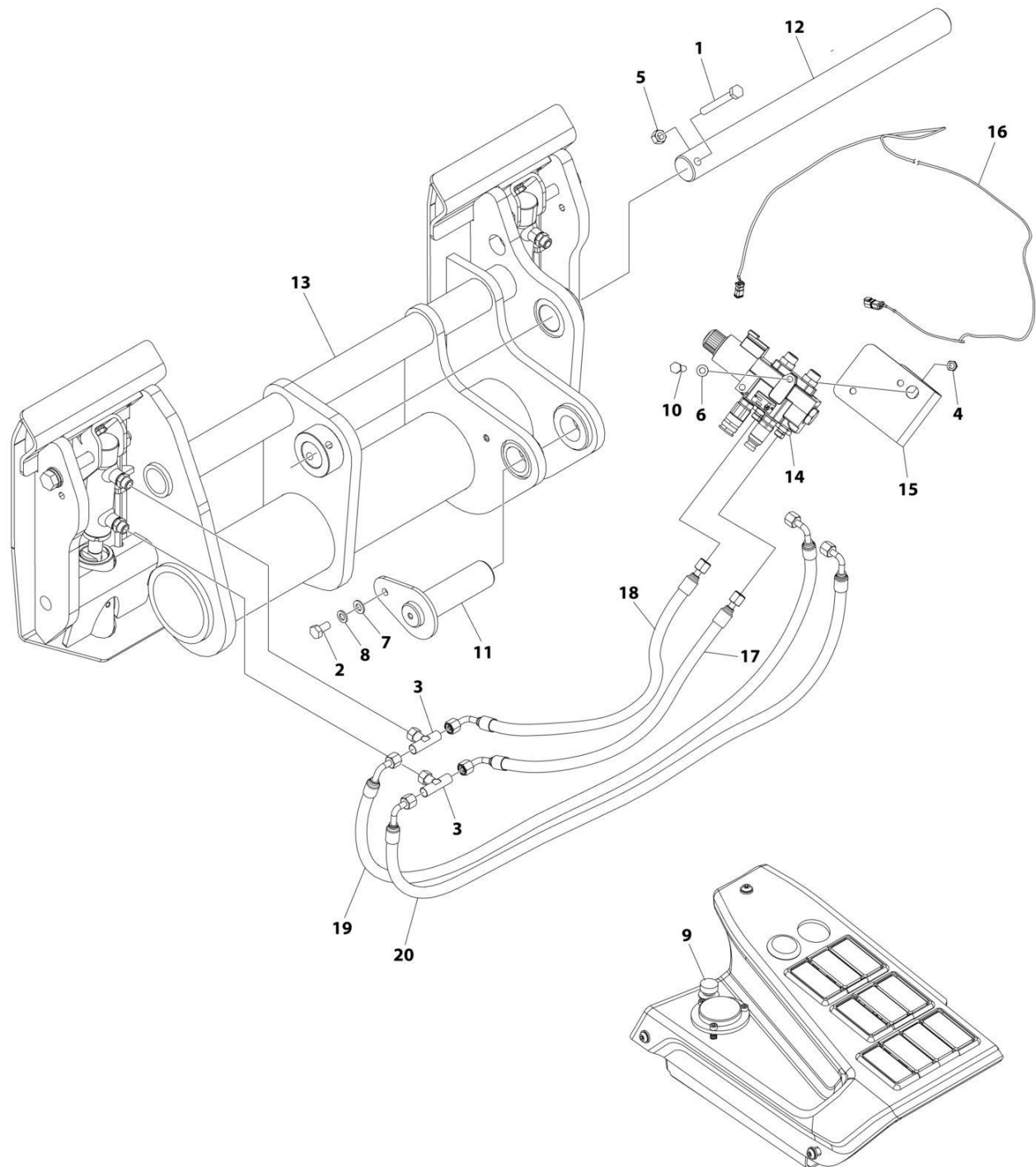
ART_1001263388

FIGURE 2-5. BOOM PROP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263388	Ref	BOOM PROP INSTALLATION	A
1	0760808	2	Bolt M8 x 20	
2	4811902	2	Washer M8	
3	4831900	2	Washer M8	
4	1001266094	2	Bracket	
5	1001266095	1	Prop, Boom	
6	1001266096	2	Pin	
7	1001266097	2	Pin	

SECTION 2 - BOOM

FIGURE 2-6. COUPLER INSTALLATION - HYDRAULIC



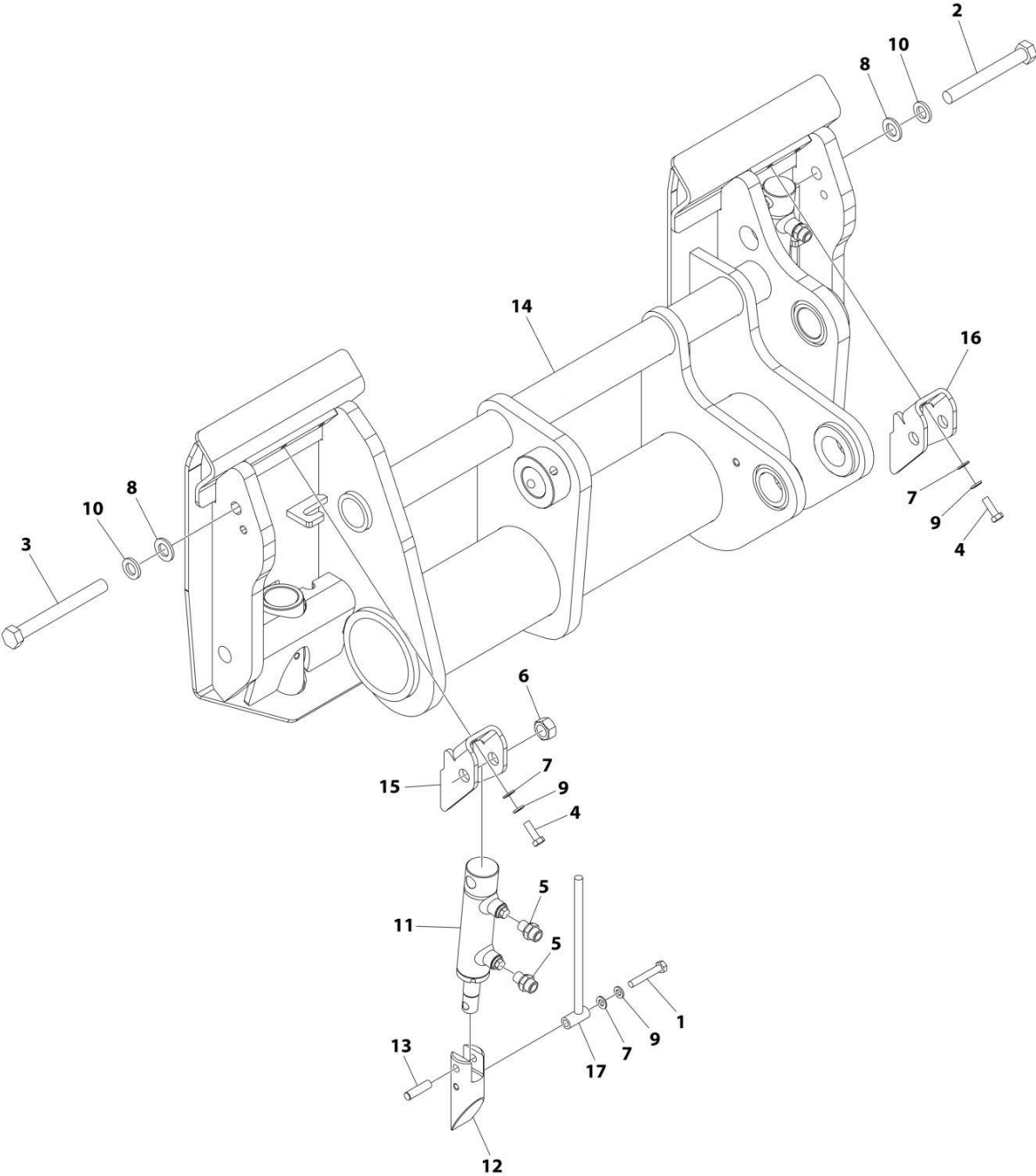
ART_1001304227

FIGURE 2-6. COUPLER INSTALLATION - HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001304227	Ref	COUPLER INSTALLATION	A
1	0701026	1	Bolt M10 x 90	
2	0761010	1	Bolt M10 x 20	
3	2142102	2	Fitting, Tee	
4	3290805	2	Nut M8	
5	3291005	1	Nut M10	
6	4811900	2	Washer M8	
7	4812000	1	Washer M10	
8	4832000	1	Washer M10	
9	1001264530	1	Switch, Coupler	
10	1001264533	2	Bolt M8 x 80	
11	1001302197	1	Pin	
12	1001302198	1	Pin	
13	1001304455	1	Coupler Assembly (See Separate Breakdown in this Section)	
14	1001304456	1	Coupler Valve Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
15	1001304736	1	Bracket	
16	1001304892	1	Harness, Hydraulic Coupler	
17	1001305628	1	Hose	
18	1001305629	1	Hose	
19	1001305631	1	Hose	
20	1001305632	1	Hose	

SECTION 2 - BOOM

FIGURE 2-7. COUPLER ASSEMBLY - HYDRAULIC



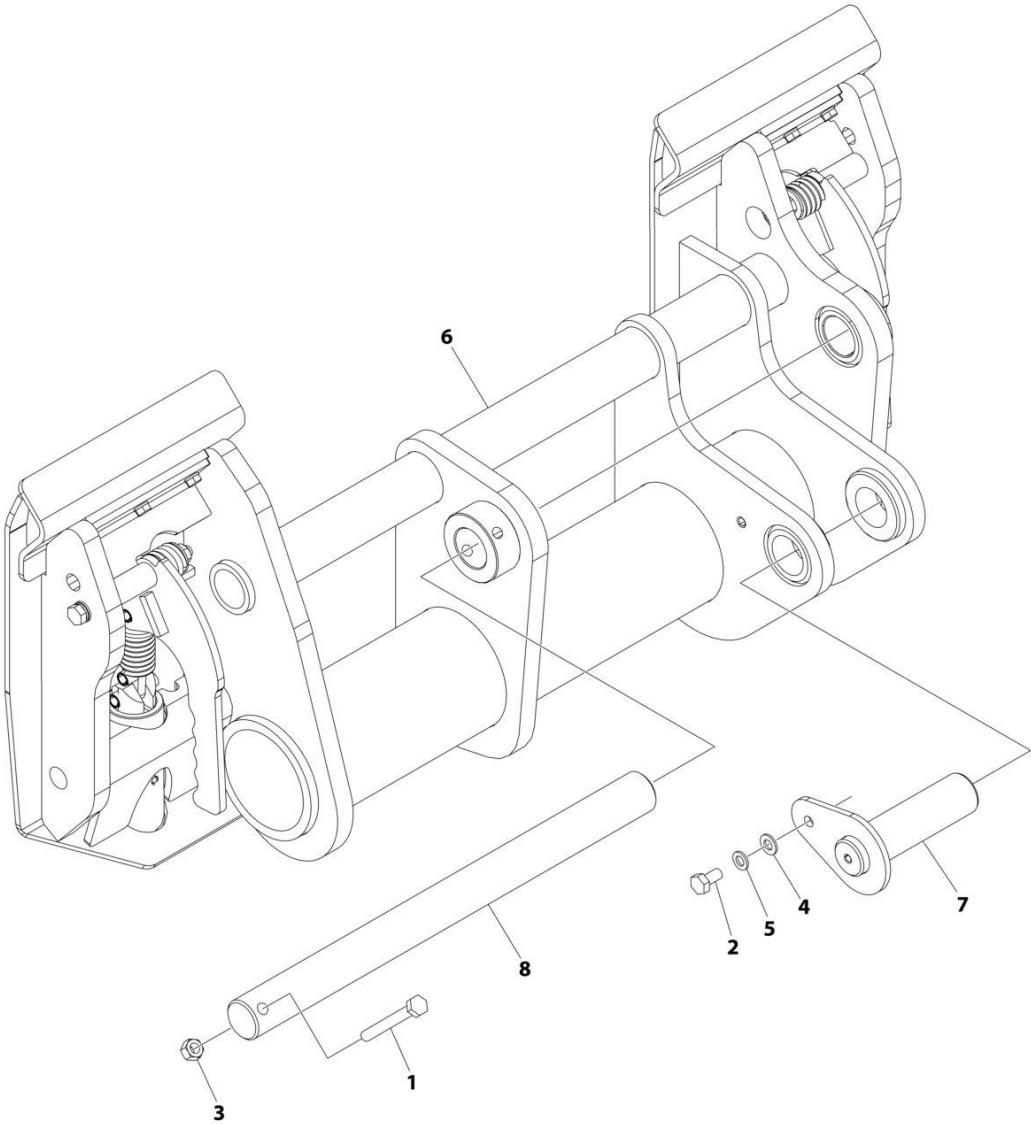
ART_1001304455

FIGURE 2-7. COUPLER ASSEMBLY - HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001304455	Ref	COUPLER ASSEMBLY	A
1	0700818	2	Bolt M8 x 50	
2	0701630	1	Bolt M16 x 130	
3	0701632	1	Bolt M16 x 150	
4	0770812	2	Bolt M8 x 25	
5	2142706	4	Fitting, Straight	
6	3331611	1	Nut M16	
7	4811900	4	Washer M8	
8	4812300	2	Washer M16	
9	4831900	4	Washer M8	
10	4832300	2	Washer M16	
11	1001264509	2	Cylinder, Coupler	
12	1001264512	2	Pin	
13	1001264516	2	Pin	
14	1001301904	1	Coupler	
15	1001304618	1	Bracket - Left Side	
16	1001304629	1	Bracket - Right Side	
17	1001304631	2	Rod, Hook Positioner	

SECTION 2 - BOOM

FIGURE 2-8. COUPLER INSTALLATION - MANUAL



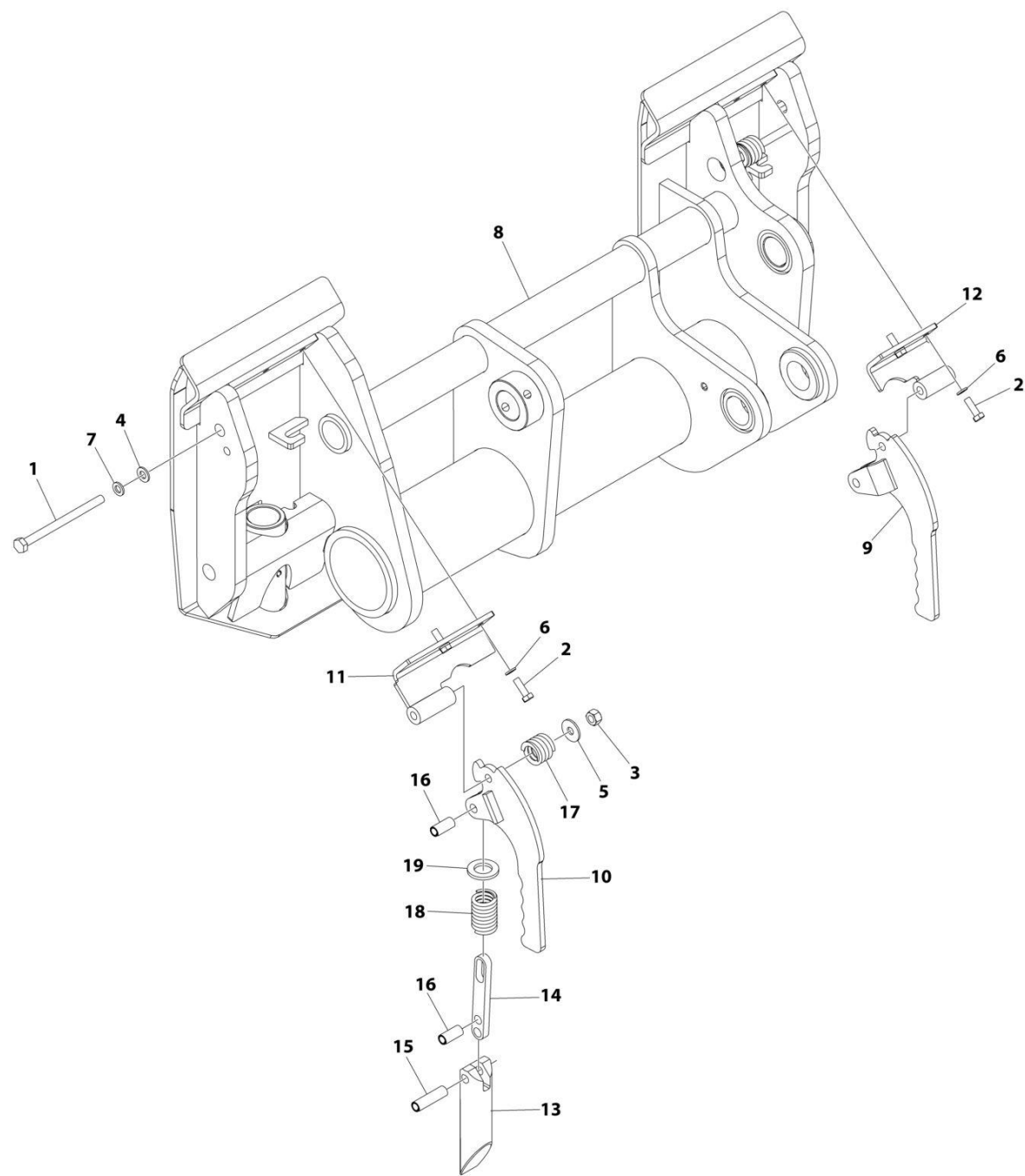
ART_1001301816

FIGURE 2-8. COUPLER INSTALLATION - MANUAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301816	Ref	COUPLER INSTALLATION	A
1	0701026	1	Bolt M10 x 90	
2	0761010	1	Bolt M10 x 20	
3	3291005	1	Nut M10	
4	4812000	1	Washer M10	
5	4832000	1	Washer M10	
6	1001301973	1	Coupler Assembly (See Separate Breakdown in this Section)	
7	1001302197	1	Pin	
8	1001302198	1	Pin	

SECTION 2 - BOOM

FIGURE 2-9. COUPLER ASSEMBLY - MANUAL



ART_1001301973

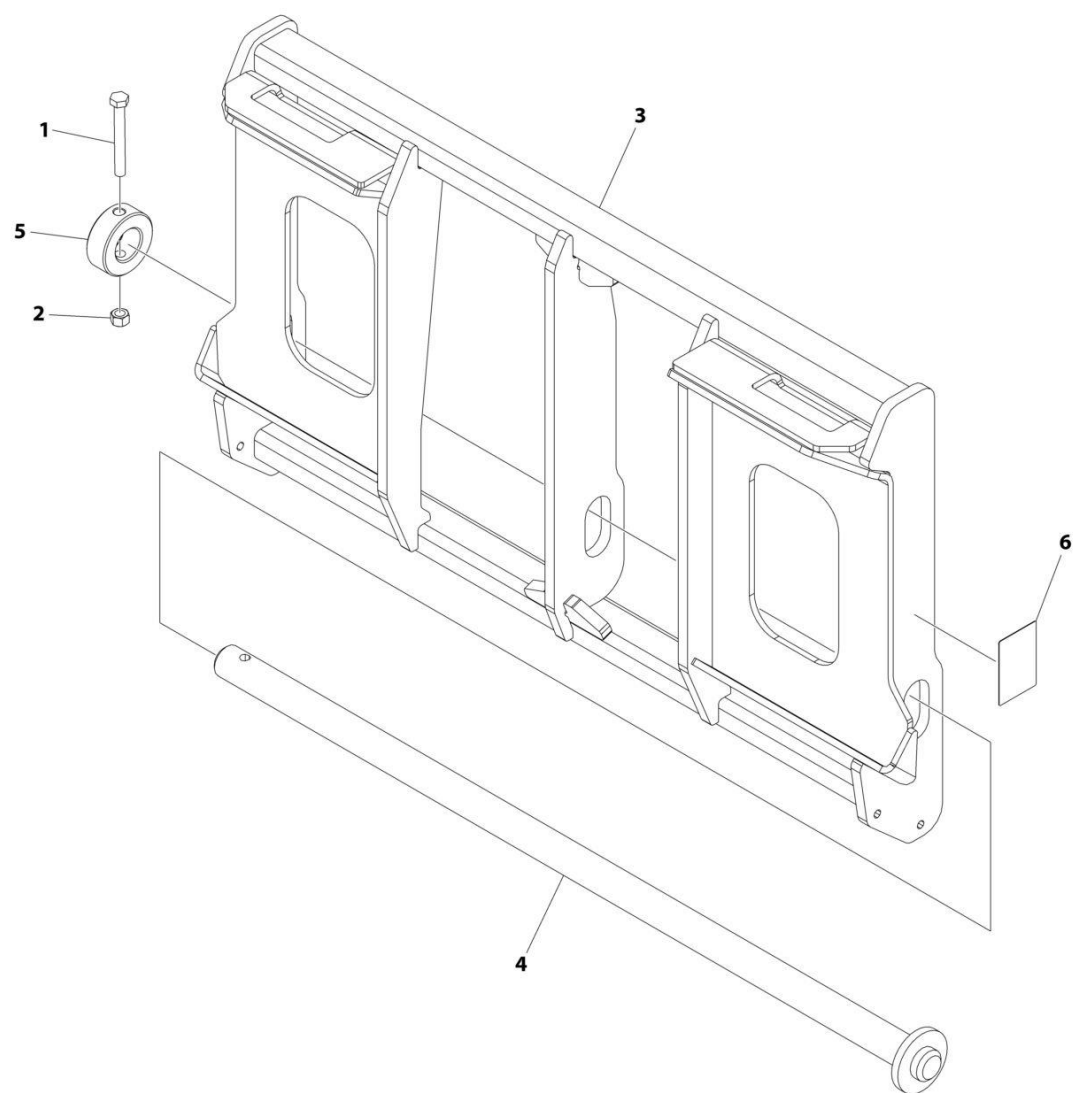
FIGURE 2-9. COUPLER ASSEMBLY - MANUAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301973	Ref	COUPLER ASSEMBLY	A
1	0701031	2	Bolt M10 x 140	
2	0760812	4	Bolt M8 x 25	
3	3291005	2	Nut M10	
4	4812000	2	Washer M10	
5	4812002	2	Washer M10	
6	4831900	4	Washer M8	
7	4832000	2	Washer M10	
8	1001301904	1	Coupler	
9	1001302108	1	Lever, Coupling - Right Side	
10	1001302109	1	Lever, Coupling - Left Side	
11	1001302110	1	Bracket - Left Side	
12	1001302111	1	Bracket - Right Side	
13	1001302158	2	Pin	
14	1001061659	2	Plate	
15	1001302160	2	Pin, Roll	
16	1001061662	4	Pin, Roll	
17	1001062117	2	Spring	
18	1001061660	2	Spring	
19	1001261678	2	Washer M22	

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FIGURE 3-1. CARRIAGE ASSEMBLY



ART_1001302251

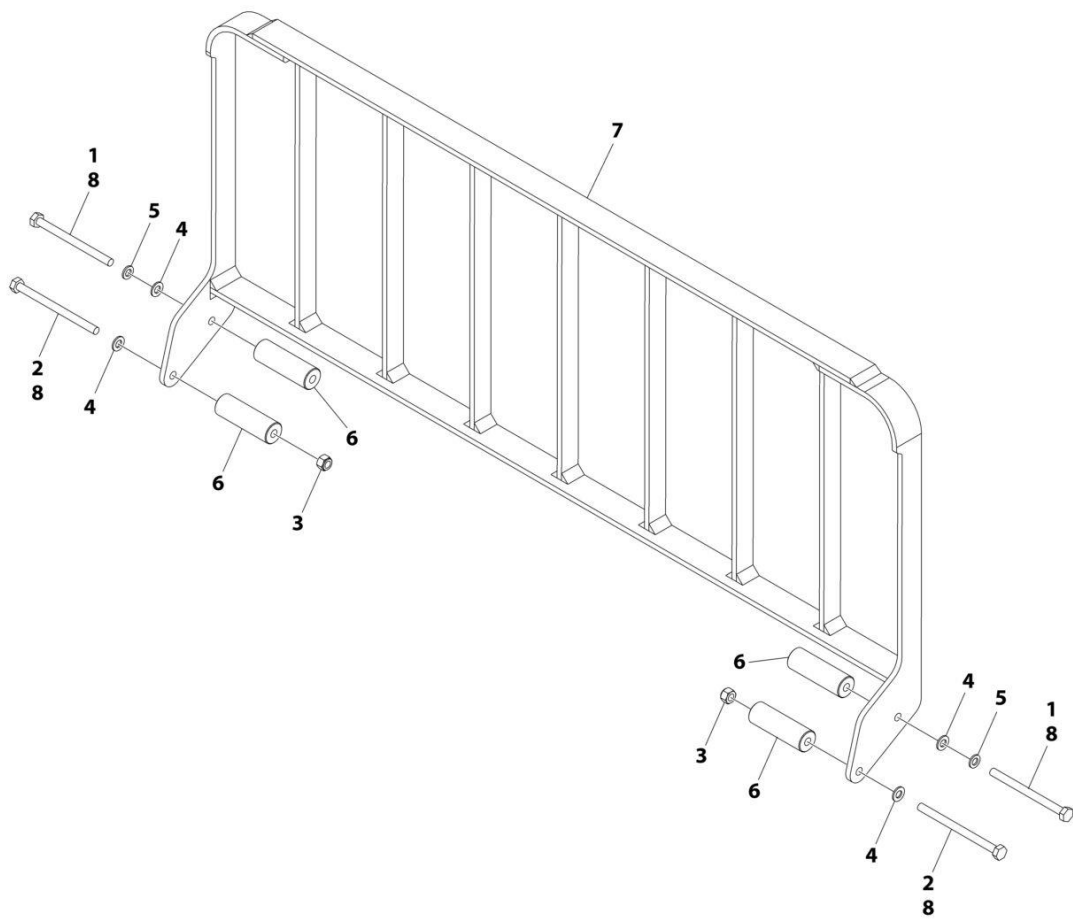
SECTION 3 - ATTACHMENTS

FIGURE 3-1. CARRIAGE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302251	Ref	CARRIAGE ASSEMBLY	A
1	0701227	1	Bolt M12 x 100	
2	3291205	1	Nut M12	
3	1001302231	1	Carriage	
4	1001302232	1	Pin	
5	1001261544	1	Collar	
6	See Note	NSS	SN Plate (Note: Not Available for Purchase)	

SECTION 3 - ATTACHMENTS

FIGURE 3-2. CARRIAGE BACKREST INSTALLATION



ART_1001262110

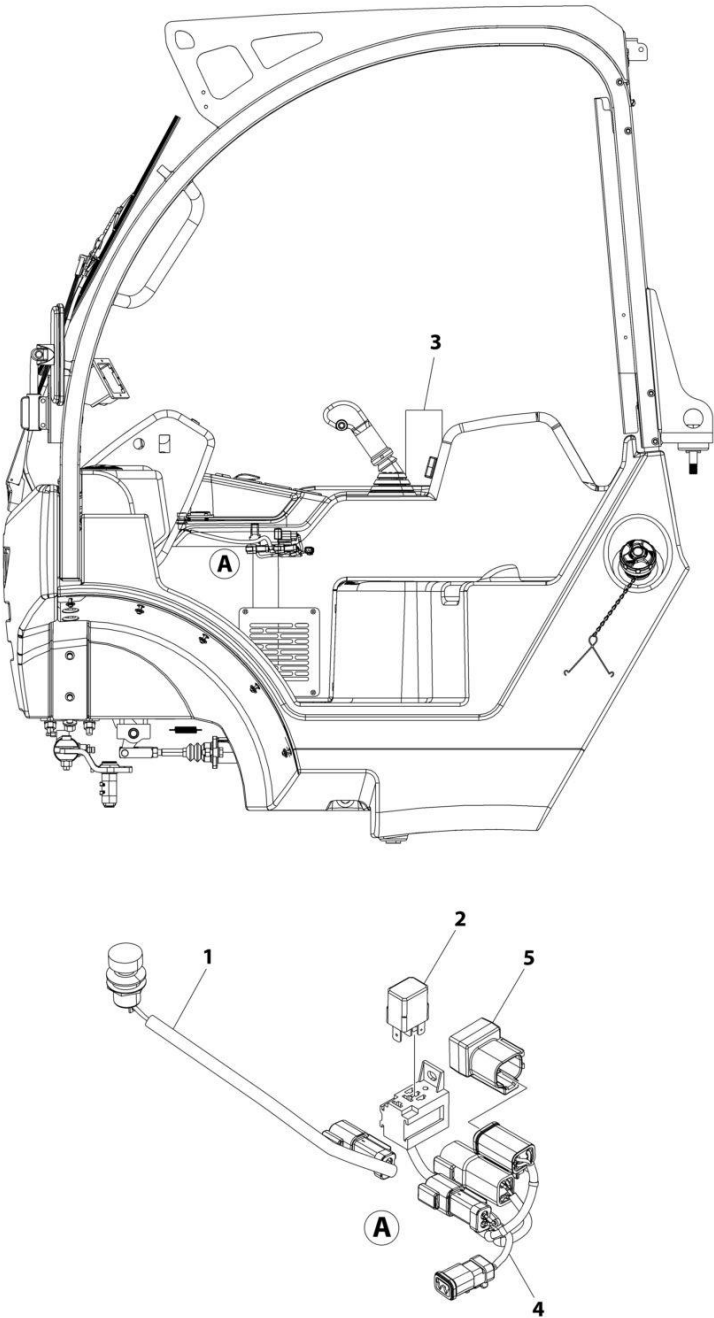
SECTION 3 - ATTACHMENTS

FIGURE 3-2. CARRIAGE BACKREST INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262110	Ref	CARRIAGE BACKREST INSTALLATION	B
1	0701030	2	Bolt M10 x 130	
2	0701031	2	Bolt M10 x 140	
3	3291005	2	Nut M10	
4	4812000	4	Washer M10	
5	4832000	2	Washer M10	
6	1001262169	4	Rod	
7	1001262170	1	Brace	
8	0100035	AR	Compound, Locking	

SECTION 3 - ATTACHMENTS

FIGURE 3-3. CONTROLLER DECAL/HARNESS INSTALLATION (FRAME LOADER)



ART_1001312339

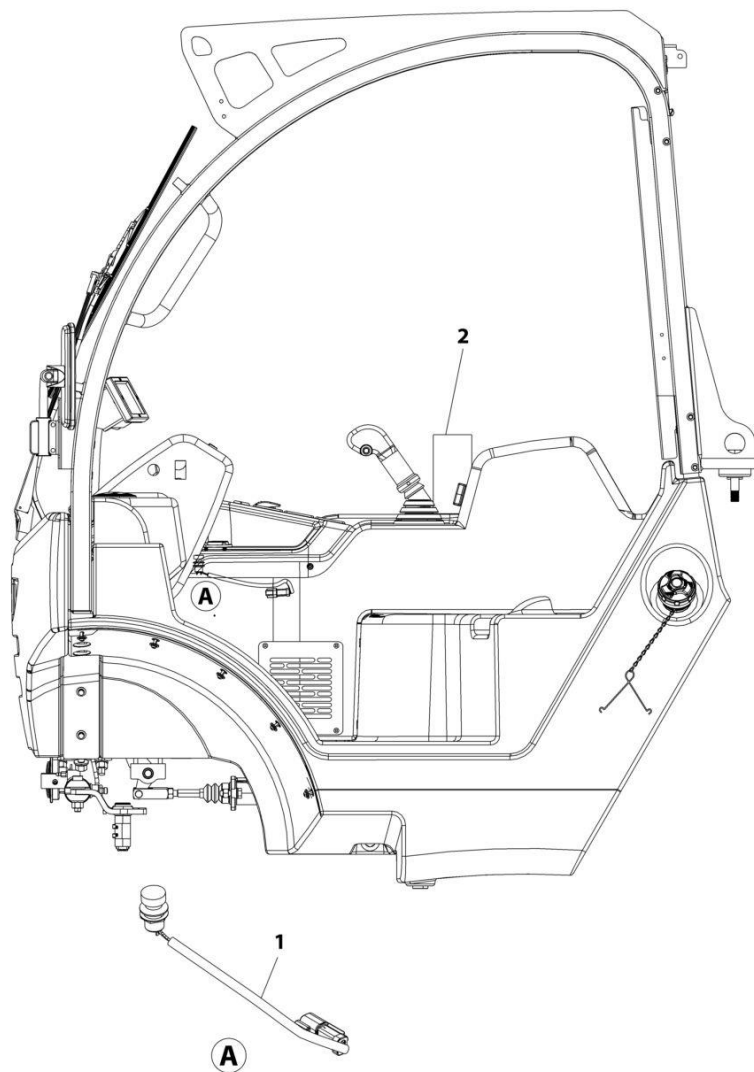
SECTION 3 - ATTACHMENTS

FIGURE 3-3. CONTROLLER DECAL/HARNESS INSTALLATION (FRAME LOADER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001312339	Ref	CONTROLLER DECAL/HARNESS INSTALLATION (FRAME LOADER - AG)	A
1	1001264530	1	Harness, Jumper	
2	1001264392	1	Relay	
3	1001312345	1	Decal - Joystick Functions	
4	1001312347	1	Harness, Jumper	
5	1001312348	1	Connector	

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FIGURE 3-4. CONTROLLER DECAL/HARNESS INSTALLATION (NO FRAME LOADER - HYDRAULIC)



ART_1001312337

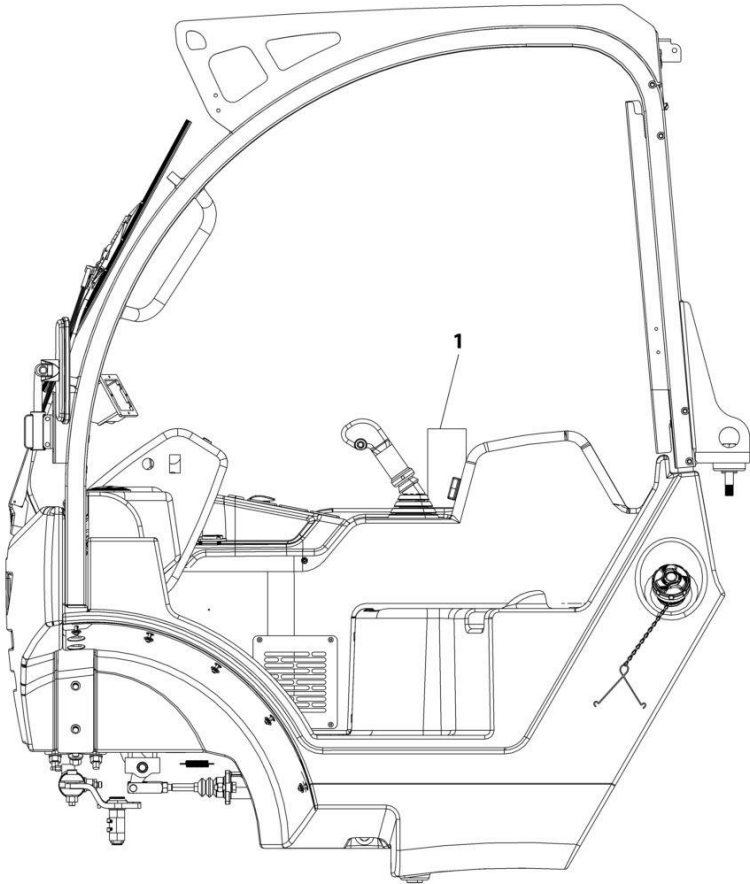
SECTION 3 - ATTACHMENTS

FIGURE 3-4. CONTROLLER DECAL/HARNESS INSTALLATION (NO FRAME LOADER - HYDRAULIC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001312337	Ref	CONTROLLER DECAL/HARNESS INSTALLATION (NO FRAME LOADER - HYDRAULIC)	A
1	1001264530	1	Harness, Jumper	
2	1001311459	1	Decal - Joystick Functions	

SECTION 3 - ATTACHMENTS

FIGURE 3-5. CONTROLLER DECAL/HARNESS INSTALLATION (NO FRAME LOADER - MANUAL)



ART_1001312336

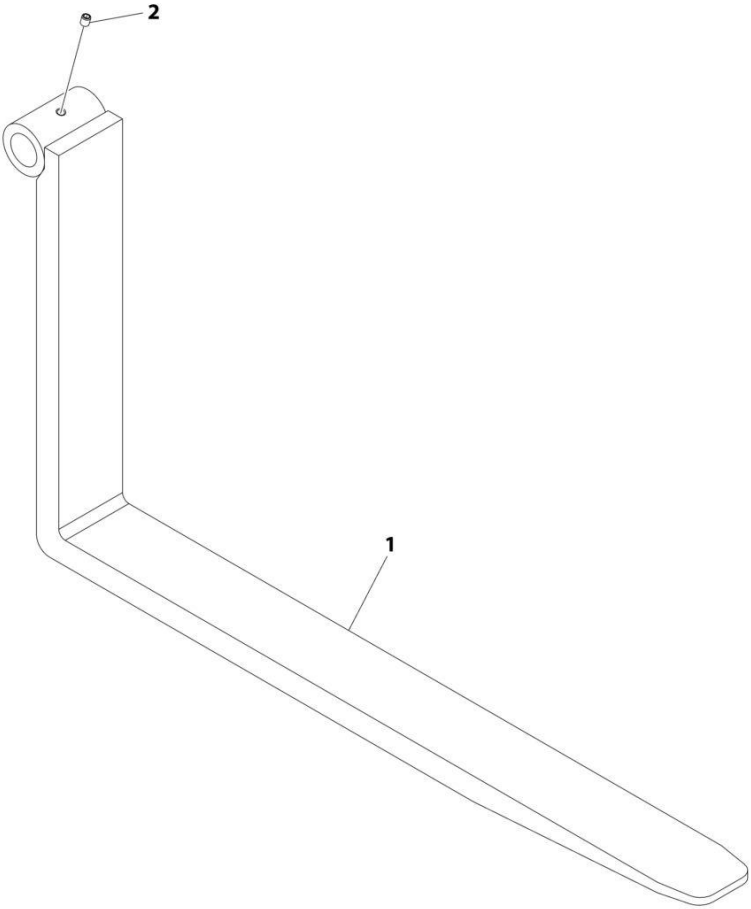
SECTION 3 - ATTACHMENTS

FIGURE 3-5. CONTROLLER DECAL/HARNESS INSTALLATION (NO FRAME LOADER - MANUAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001312336	Ref	CONTROLLER DECAL INSTALLATION (NO FRAME LOADER - MANUAL)	A
1	1001311459	1	Decal - Joystick Functions	

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FIGURE 3-6. FORK ASSEMBLY - PALLET (35 X 100 X 1000)



ART_1001262107

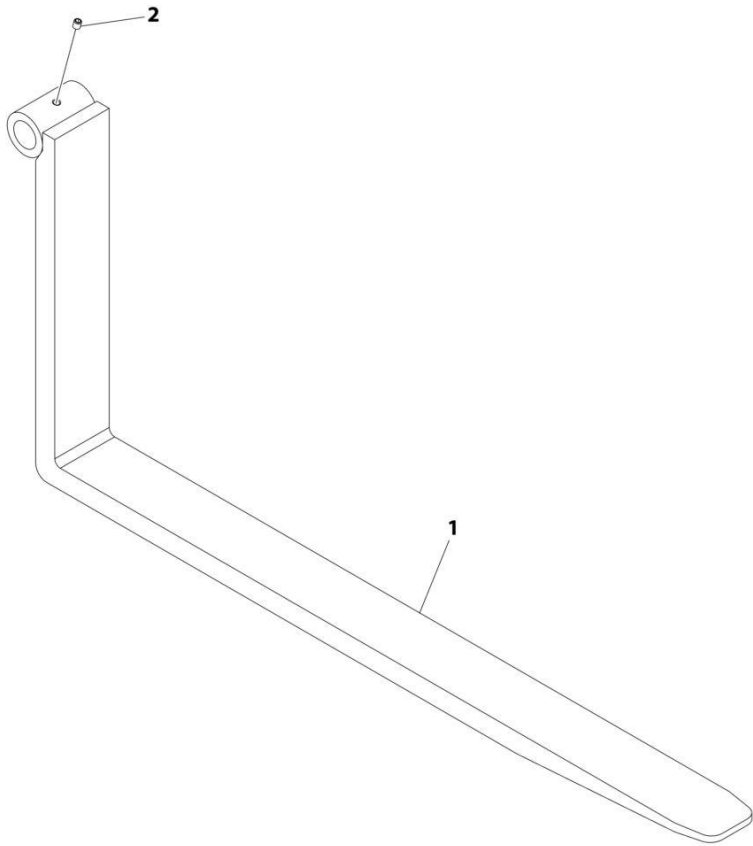
SECTION 3 - ATTACHMENTS

FIGURE 3-6. FORK ASSEMBLY - PALLET (35 X 100 X 1000)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001262107 SEE NOTE	Ref 1	FORK ASSEMBLY - 35MM x 100MM x 1000MM 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.	B
	SEE NOTE	1	Please consult jlg parts department to determine the correct forks applicable to your specific carriage assembly and application.	
2	1001262024	1	Setscrew M10 x 12	

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FIGURE 3-7. FORK ASSEMBLY - PALLET (35 X 100 X 1200)



ART_1001262108

SECTION 3 - ATTACHMENTS

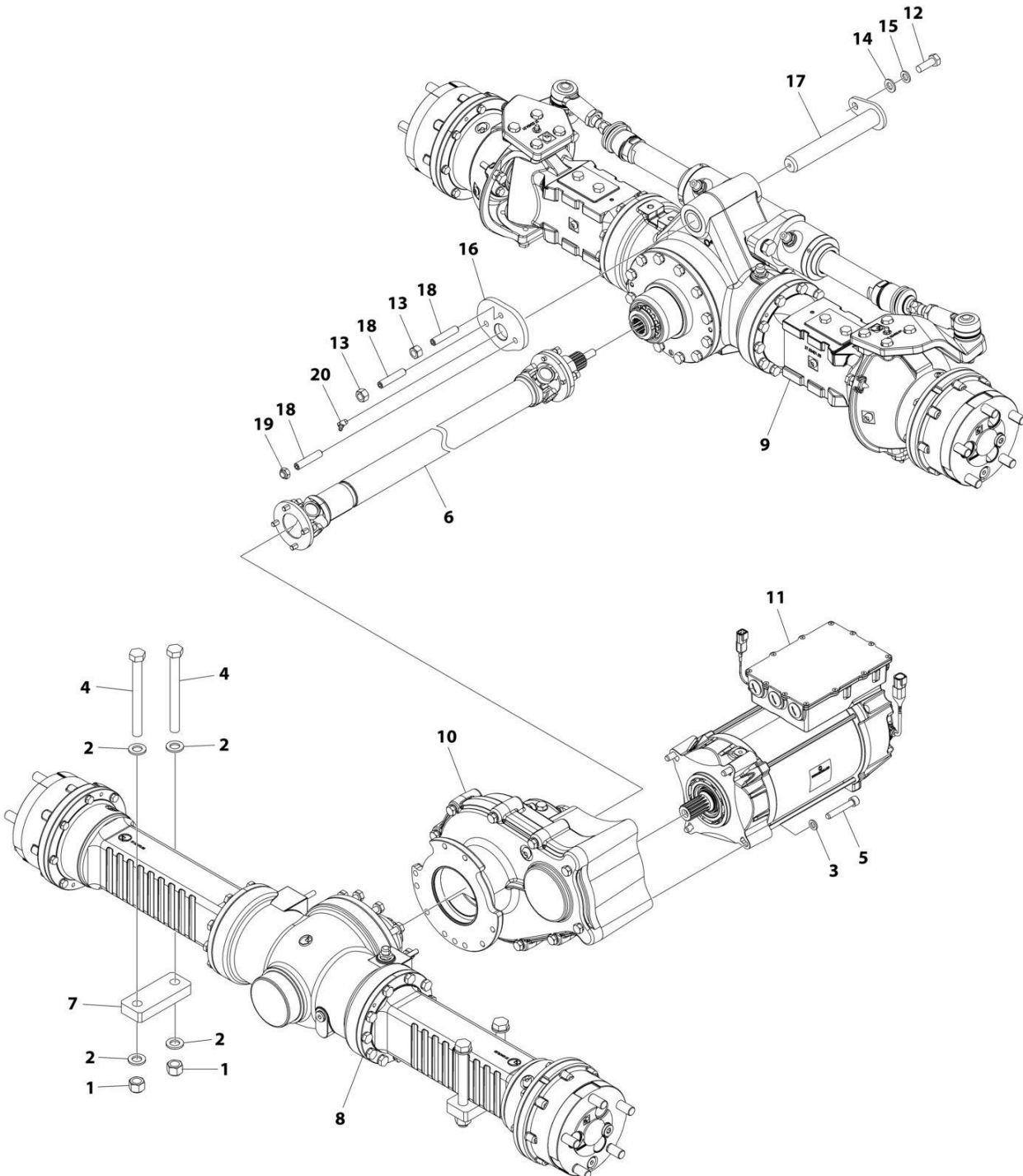
FIGURE 3-7. FORK ASSEMBLY - PALLET (35 X 100 X 1200)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001262108	Ref	FORK ASSEMBLY - 35MM x 100MM x 1200MM	B
	SEE NOTE	1	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.	
	SEE NOTE	1	Please consult jlg parts department to determine the correct forks applicable to your specific carriage assembly and application.	
2	1001262024	1	Setscrew M10 x 12	

SECTION 4 - DRIVE TRAIN

SECTION 4 - DRIVE TRAIN

FIGURE 4-1. DRIVETRAIN INSTALLATION



ART_1001301781

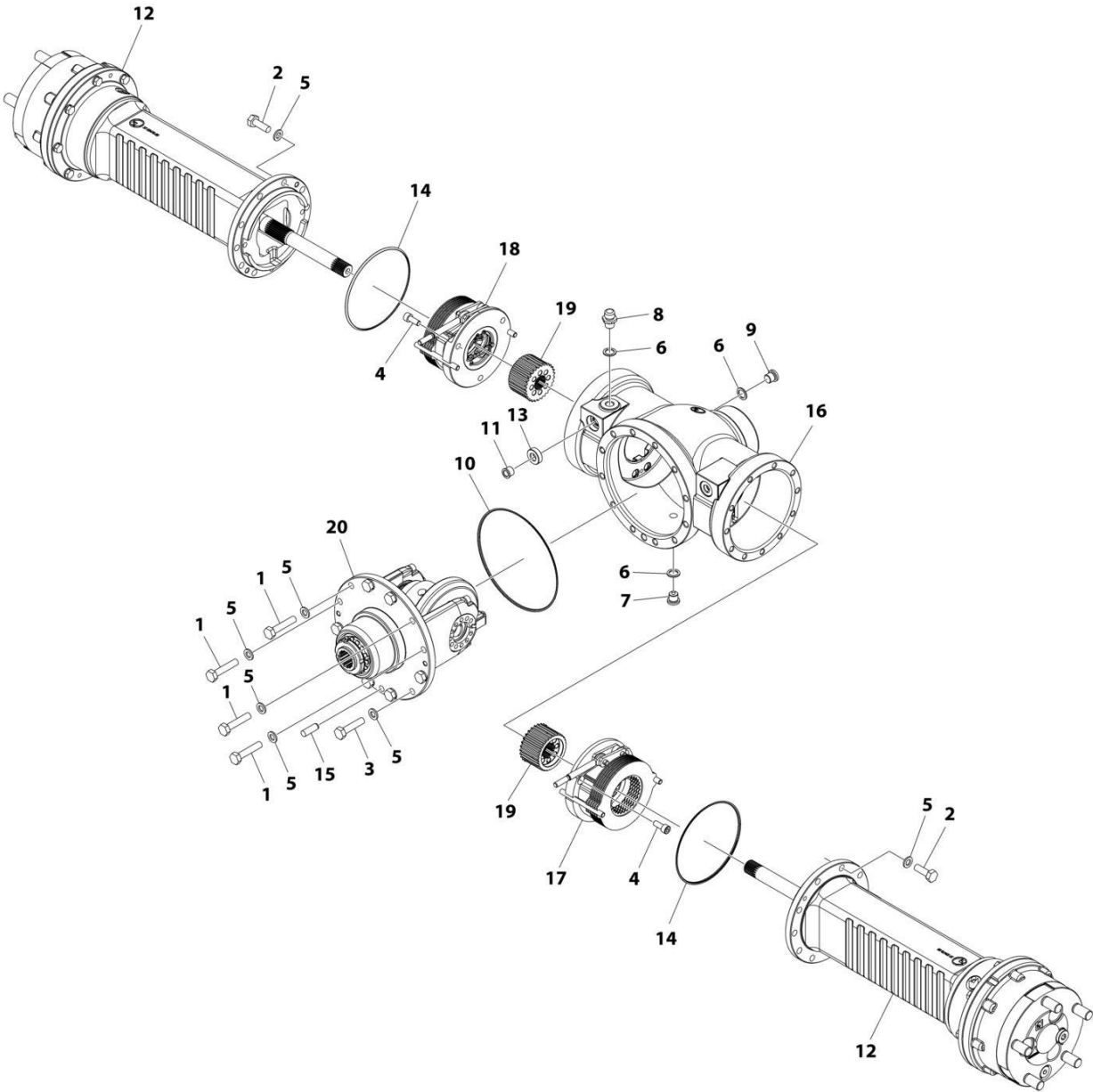
SECTION 4 - DRIVE TRAIN

FIGURE 4-1. DRIVETRAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301781	Ref	DRIVETRAIN INSTALLATION	B
1	3291605	4	Nut M16	
2	4812300	8	Washer M16	
3	4832000	4	Washer M10	
4	1001096456	4	Bolt M16 x 160	
5	1001262439	4	Capscrew M10 x 60 Class 10.9	
6	1001303629	1	Drive Shaft Installation (See Separate Breakdown in this Section)	
7	1001303982	2	Support	
8	1001307427	1	Front Axle & Differential Assembly (See Separate Breakdown in this Section)	
9	1001307428	1	Rear Axle Steering Assembly (See Separate Breakdown in this Section)	
10	1001307429	1	Transmission Installation (See Separate Breakdown in this Section)	
11	1001307699	1	Drive Motor Assembly (See Separate Breakdown in this Section)	
12	0761215	1	Bolt M12 x 35	
13	3291207	2	Nut M12	
14	4812100	1	Washer M12	
15	4832100	1	Washer M12	
16	1001303994	1	Support	
17	1001303997	1	Pin, Axle Support	
18	1001305613	3	Setscrew M12 x 60	
19	1001264018	1	Nut M12	
20	1001307239	1	Fitting, Grease	

SECTION 4 - DRIVE TRAIN

FIGURE 4-2. FRONT AXLE & DIFFERENTIAL ASSEMBLY



ART_1001307427

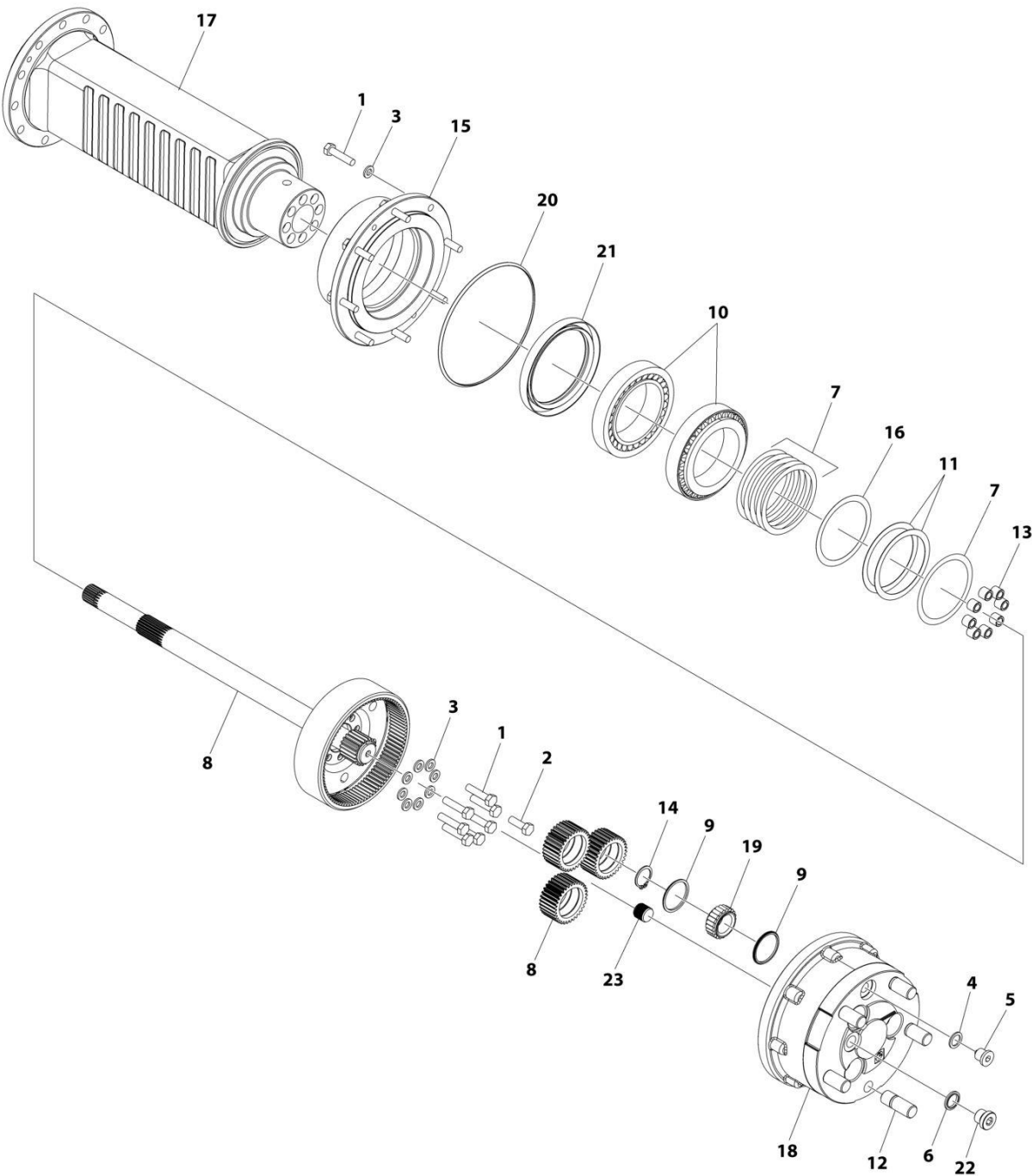
SECTION 4 - DRIVE TRAIN

FIGURE 4-2. FRONT AXLE & DIFFERENTIAL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307427	Ref	AXLE & DIFF ASSEMBLY	B
1	0701018	4	Bolt M10 x 50	
2	0761014	22	Bolt M10 x 30	
3	0761017	8	Bolt M10 x 45	
4	4031908	6	Capscrew M8 x 20	
5	4832000	34	Washer M10	
6	1001262360	3	Washer M14	
7	1001262370	1	Plug, Magnetic	
8	1001262371	1	Plug, Pressure Relief	
9	1001262445	1	Plug	
10	1001306162	1	O-Ring (Between Differential & Housing)	
11	1001306163	2	Bearing	
12	1001306166	2	Front Axle Assembly, (See Separate Breakdown in this Section)	
13	1001306167	2	Seal	
14	1001306168	2	O-Ring (Between Axle & Housing)	
15	1001306169	1	Pin	
16	1001306170	1	Housing, Differential	
17	1001306171	1	Assembly, Right Brake (No Service Parts Available)	
18	1001306172	1	Assembly, Left Brake (No Service Parts Available)	
19	1001306202	2	Coupling, Brake	
20	1001307478	1	Front Differential Assembly (See Separate Breakdown in this Section)	

SECTION 4 - DRIVE TRAIN

FIGURE 4-3. FRONT AXLE ASSEMBLY



ART_1001306166

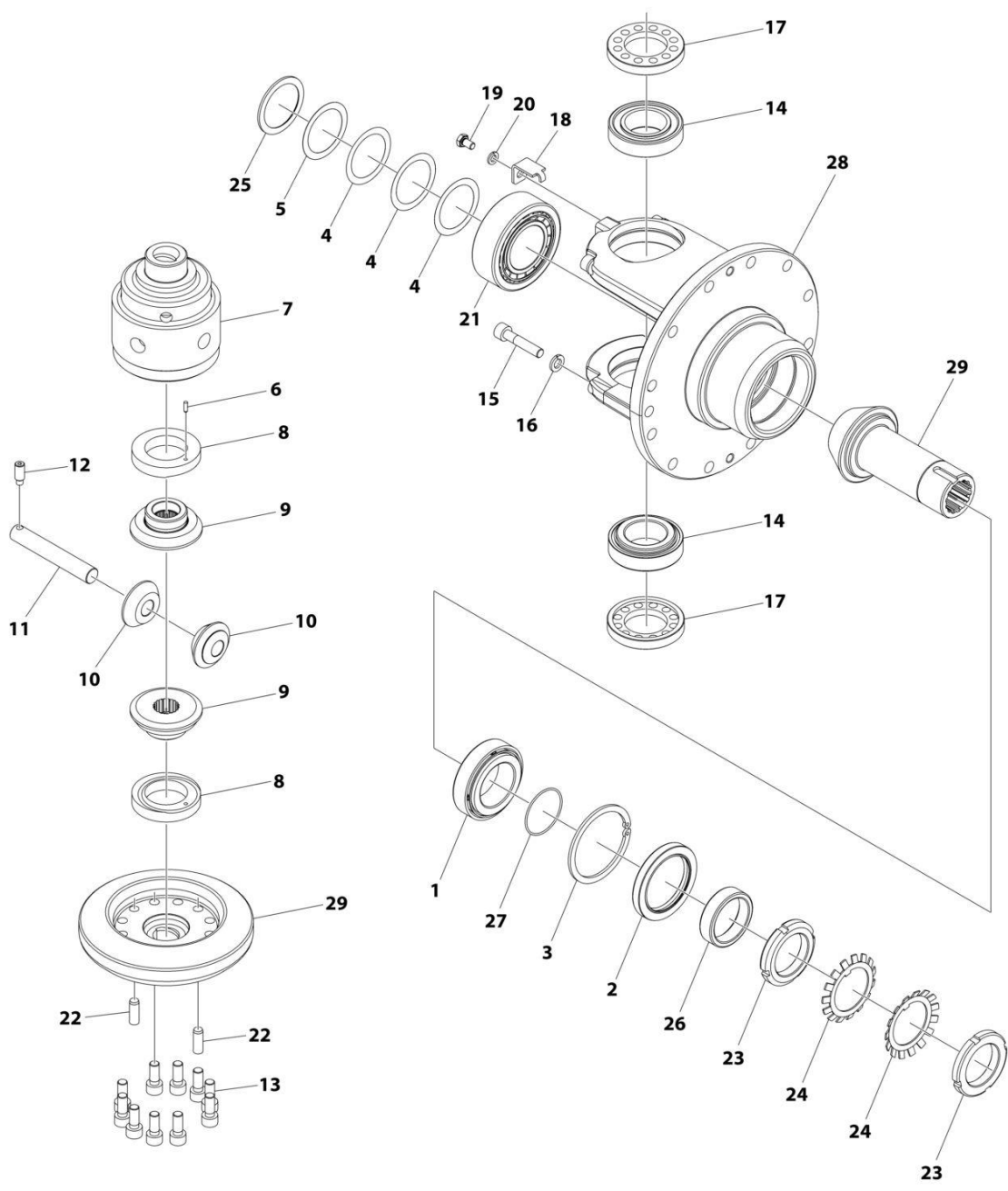
SECTION 4 - DRIVE TRAIN

FIGURE 4-3. FRONT AXLE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306166	Ref	FRONT AXLE ASSEMBLY	A
1	0700815	15	Bolt M8 x 35	
2	0770812	1	Bolt M8 x 25 Class 10.9	
3	4831900	16	Washer M8	
4	1001262360	1	Washer M14	
5	1001262370	1	Plug, Magnetic	
6	1001263139	1	Seal	
7	1001306231	6	Shim - 0.05MM Thickness	
8	1001306252	1	Front Axle Reduction Gear Assembly (See Separate Breakdown in this Section)	
9	1001306264	6	Ring	
10	1001306265	2	Bearing	
11	1001306266	2	Shim - 0.50MM Thickness	
12	1001306271	5	Stud	
13	1001306280	8	Bushing	
14	1001306281	3	Ring, Retaining	
15	1001306282	1	Hub	
16	1001306288	1	Shim - 0.20MM Thickness	
17	1001306291	1	Housing, Axle	
18	1001306292	1	Housing, Front Axle Reduction Gear	
19	1001306314	3	Bearing	
20	1001306316	1	O-Ring	
21	1001306399	1	Seal	
22	1001306400	1	Plug (With O-Ring)	
23	1001306435	1	Mount, Axle Shaft	

SECTION 4 - DRIVE TRAIN

FIGURE 4-4. FRONT DIFFERENTIAL ASSEMBLY



ART_1001307478

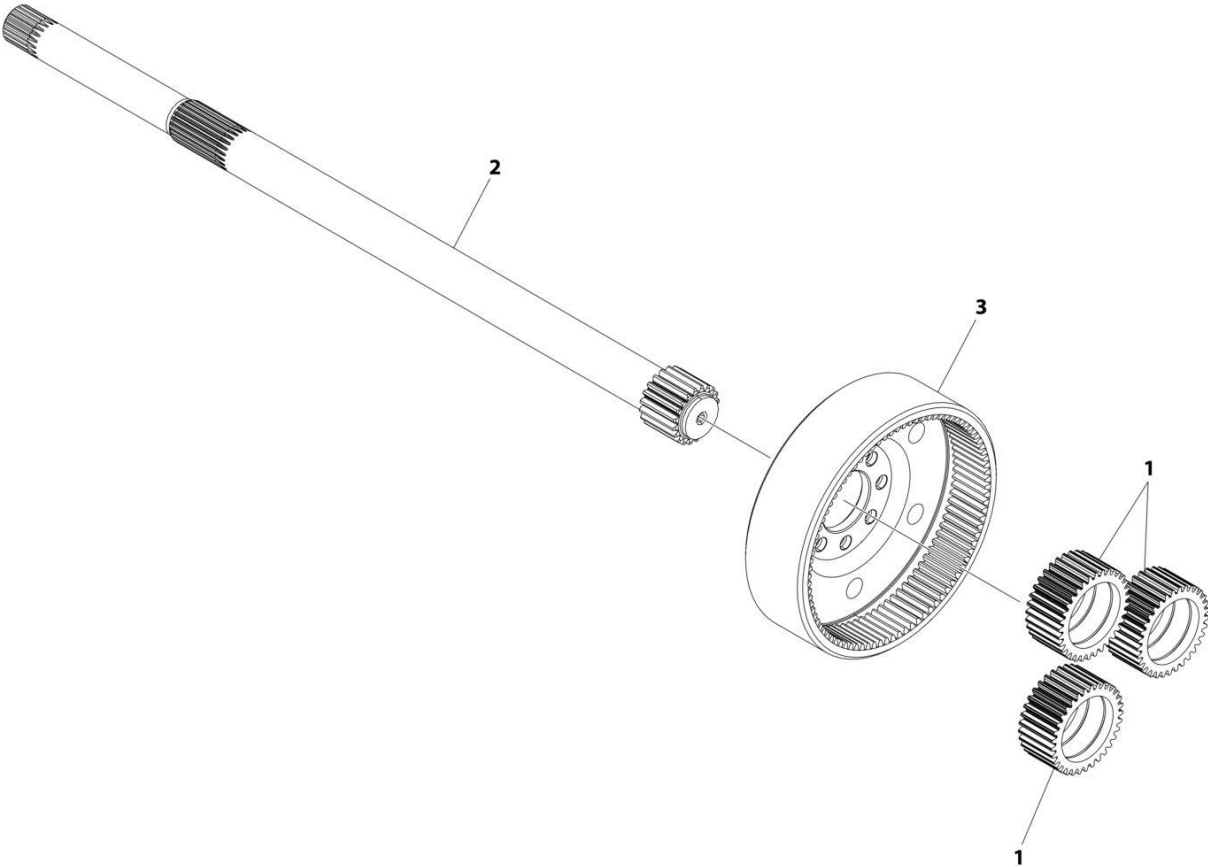
SECTION 4 - DRIVE TRAIN

FIGURE 4-4. FRONT DIFFERENTIAL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307478	Ref	FRONT DIFFERENTIAL ASSEMBLY	A
1	70031620	1	Bearing	
2	70031621	1	Ring	
3	70031622	1	Ring, Retaining	
4	70031649	3	Ring	
5	70031650	1	Ring	
6	70030233	1	Pin	
7	70031625	1	Housing	
8	70031626	2	Ring	
9	70031627	2	Gear	
10	70031628	2	Gear	
11	70031629	1	Pin	
12	70030234	1	Capscrew M8 x 20	
13	70031632	10	Capscrew M8 x 20	
14	70031633	2	Bearing	
15	70031634	4	Capscrew M8 x 40	
16	70031600	4	Washer M8	
17	70031635	2	Ring, Wear	
18	70031636	2	Clip	
19	70031637	2	Bolt M6 x 10	
20	70031638	2	Washer M6	
21	70031648	1	Bearing	
22	70031639	2	Pin	
23	70031641	2	Nut	
24	70031640	2	Washer	
25	70031642	1	Ring	
26	70031643	1	Ring	
27	70031644	1	O-Ring	
28	70031646	1	Housing	
29	70031651	1	Kit, Ring & Pinion Gear	

SECTION 4 - DRIVE TRAIN

FIGURE 4-5. FRONT AXLE REDUCTION GEAR ASSEMBLY



ART_1001306252

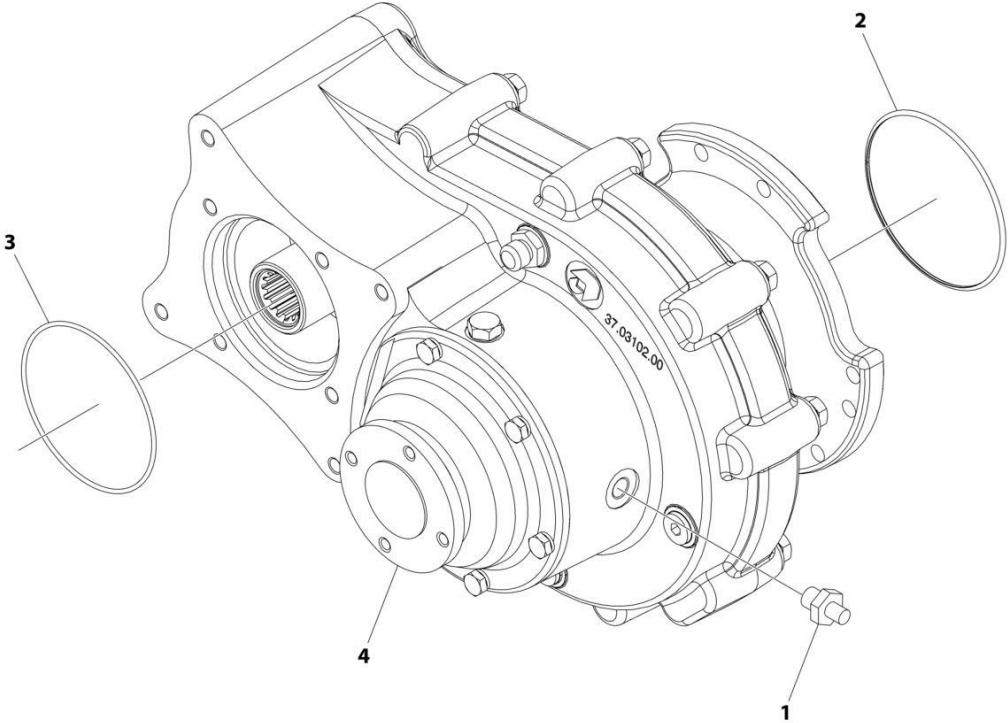
SECTION 4 - DRIVE TRAIN

FIGURE 4-5. FRONT AXLE REDUCTION GEAR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306252	Ref	FRONT AXLE REDUCTION GEAR ASSEMBLY	A
1	1001306246	3	Gear, Spur	
2	1001306248	1	Shaft	
3	1001306251	1	Gear, Crown	

SECTION 4 - DRIVE TRAIN

FIGURE 4-6. TRANSMISSION INSTALLATION



ART_1001307429

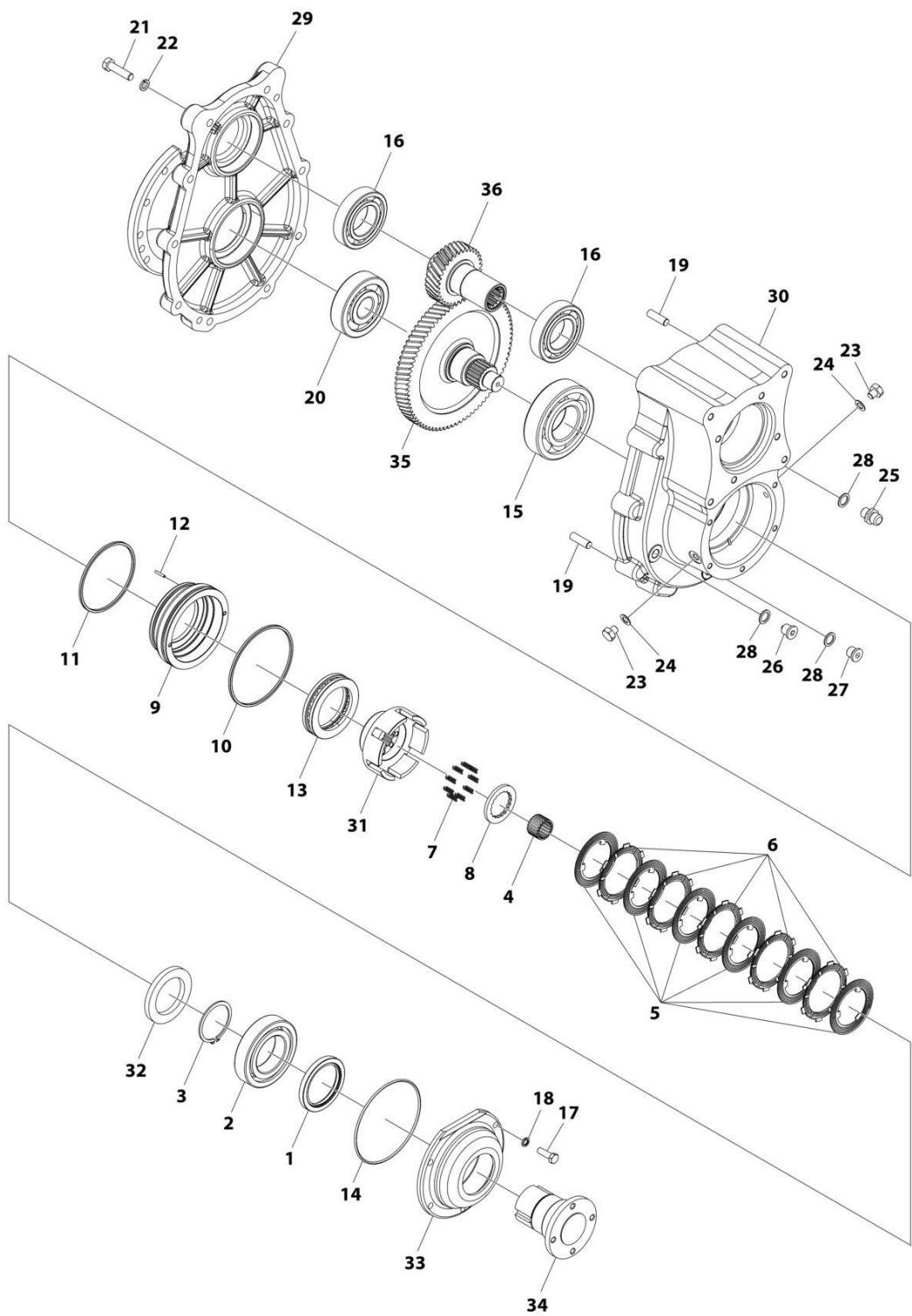
SECTION 4 - DRIVE TRAIN

FIGURE 4-6. TRANSMISSION INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307429	Ref	TRANSMISSION INSTALLATION	A
1	2142704	1	Fitting	
2	1001303772	1	O-Ring (Function Axle Output)	
3	1001303784	1	O-Ring (Electric Motor Input)	
4	1001307581	1	Transmission Assembly (See Separate Breakdown in this Section)	

SECTION 4 - DRIVE TRAIN

FIGURE 4-7. TRANSMISSION ASSEMBLY



ART_1001307581

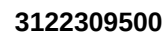
SECTION 4 - DRIVE TRAIN

FIGURE 4-7. TRANSMISSION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307581	Ref	TRANSMISSION ASSEMBLY	A
1	70031583	1	Seal	
2	70031584	1	Bearing	
3	70031585	1	Ring, Retaining	
4	70031586	1	Bearing	
5	70031587	6	Disc, Clutch	
6	70031588	5	Plate, Friction	
7	70031589	9	Spring	
8	70031590	1	Ring	
9	70031591	1	Housing, Outer Clutch	
10	70031592	1	O-Ring	
11	70031593	1	O-Ring	
12	70031594	1	Pin	
13	70031595	1	Bearing	
14	70031596	1	O-Ring	
15	70031597	1	Bearing	
16	70031598	2	Bearing	
17	70031599	5	Bolt M8 x 25	
18	70031600	5	Washer M8	
19	70031601	2	Pin	
20	70031602	1	Bearing	
21	70031604	10	Bolt M10 x 40	
22	70031605	10	Washer M10	
23	70031606	2	Plug	
24	70031607	2	Washer M10	
25	70031608	1	Breather	
26	70031609	1	Plug	
27	70031610	1	Plug	
28	70031611	3	Washer M14	
29	70031612	1	Cover, Main Housing	
30	70031614	1	Housing, Main	
31	70031615	1	Housing, Inner Clutch	
32	70031616	1	Disc	
33	70031617	1	Cover	
34	70031618	1	Guide, Clutch	
35	70031653	1	Gear	
36	70031654	1	Gear	

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ART_1001307699

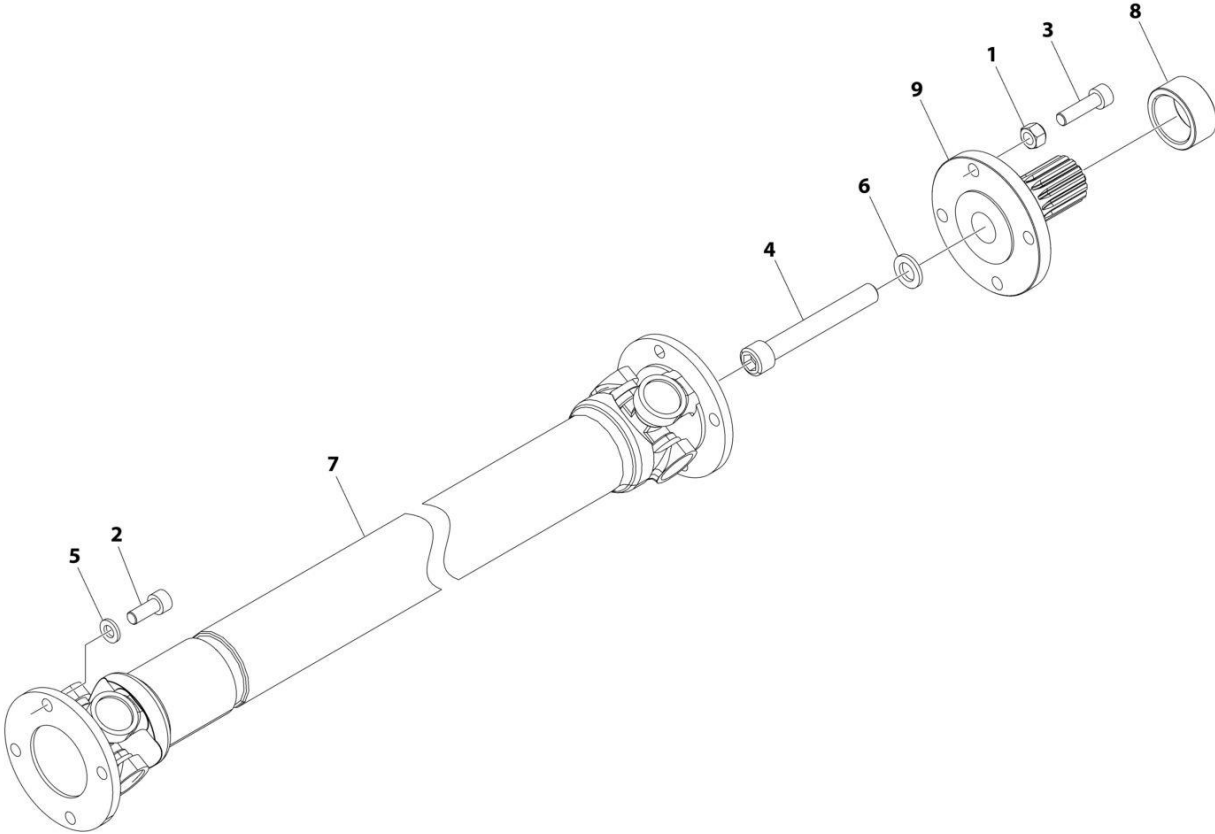
SECTION 4 - DRIVE TRAIN

FIGURE 4-8. DRIVE MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307699	Ref	DRIVE MOTOR ASSEMBLY	A
1	70031809	1	Stator	
2	70031789	1	Board, Terminal	
3	70031790	1	Clamp	
4	70031810	1	Bolt M5 x 10	
5	See Note	1	Cover (Note: Not Sold Separately)	
6	70031792	1	O-Ring	
7	70031811	1	Bearing	
8	70031812	1	Circlip	
9	70031813	1	Seal	
10	70031795	1	Sensor, Speed	
10	1001097051	1	Connector	
10	4460929	4	Pin	
11	See Note	1	Cover (Note: Not Sold Separately)	
12	70031796	1	O-Ring	
13	70005404	1	Bearing	
14	70031814	1	Washer	
15	70005408	1	O-Ring	
16	70031815	4	Bolt M8 x 250	
17	70031798	1	Sensor, Temperature	
18	70031799	1	Cable	
18	1001126243	1	Connector	
18	4460929	2	Pin	
19	70031800	1	Box	
20	70031801	1	Gasket	
21	70005395	4	Bolt M6 x 16	
22	70031802	1	Cover	
23	70031803	1	Gasket, Cover	
24	70031804	1	Plug	
25	70031805	3	Plug, Locking	
26	70031816	1	Rotor	
27	70031817	1	Circlip	
28	70004822	1	Ring	
29	70004818	1	Gear	
30	70031808	1	Cover (Includes Hardware)	

SECTION 4 - DRIVE TRAIN

FIGURE 4-9. DRIVE SHAFT INSTALLATION



ART_1001303629

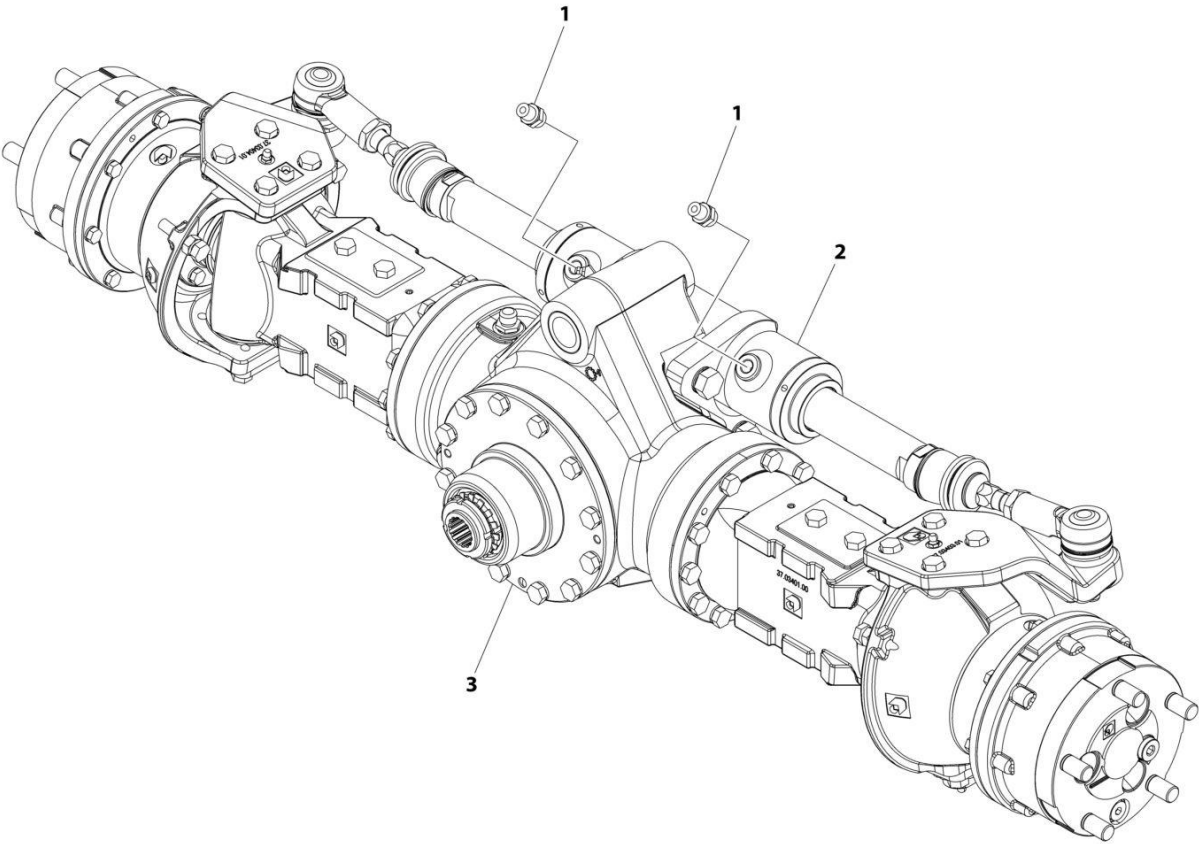
SECTION 4 - DRIVE TRAIN

FIGURE 4-9. DRIVE SHAFT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303629	Ref	DRIVE SHAFT INSTALLATION	A
1	3290805	4	Nut M8	
2	4031908	4	Capscrew M8 x 20	
3	4031910	4	Capscrew M8 x 30	
4	4032122	1	Capscrew M12 x 90	
5	4831900	4	Washer M8	
6	4832100	1	Washer M12	
7	1001303774	1	Assembly, Drive Shaft (No Service Parts Available)	
8	1001303815	1	Sleeve	
9	1001303819	1	Spindle	

SECTION 4 - DRIVE TRAIN

FIGURE 4-10. REAR AXLE STEERING ASSEMBLY



ART_1001307428

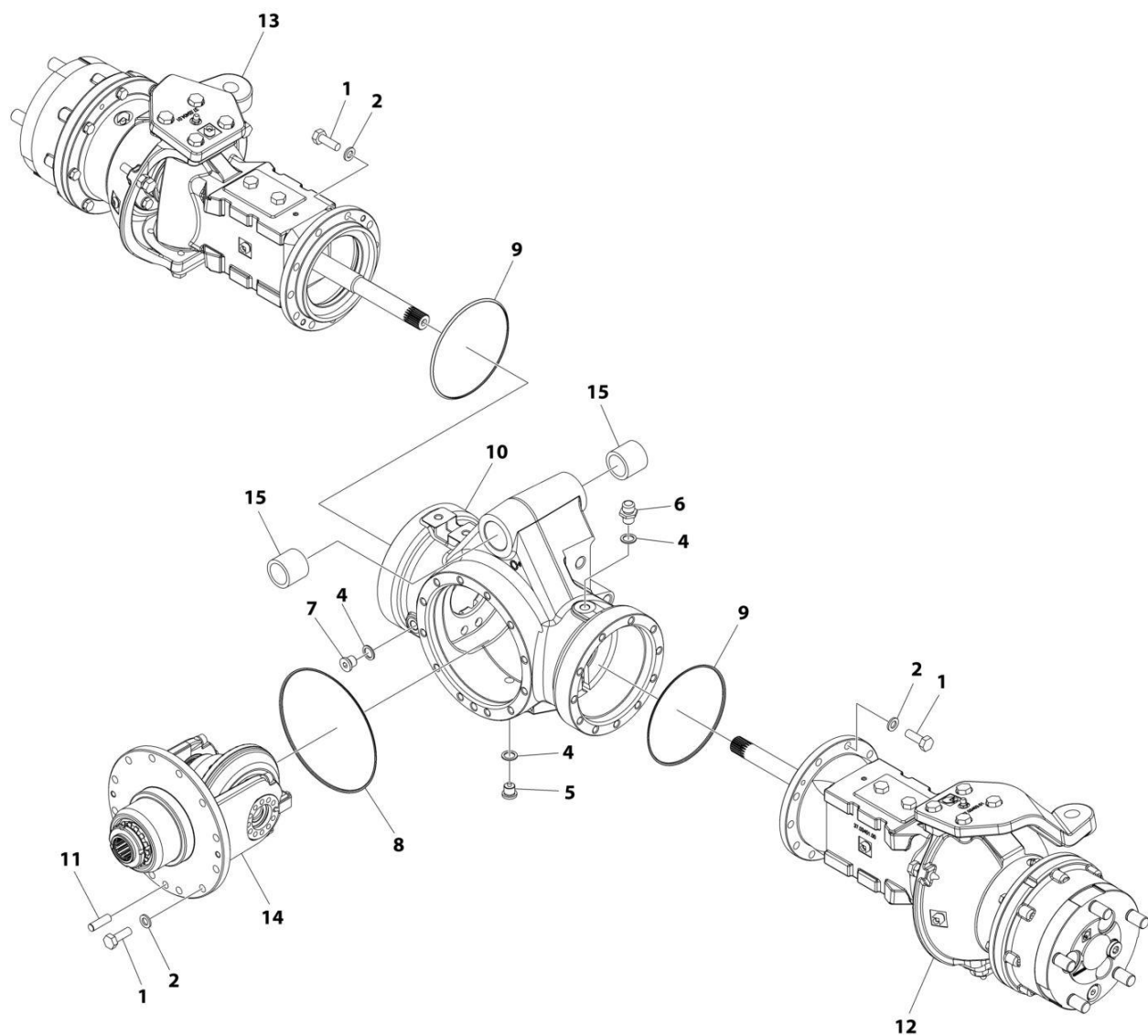
SECTION 4 - DRIVE TRAIN

FIGURE 4-10. REAR AXLE STEERING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307428	Ref	REAR AXLE STEERING ASSEMBLY	B
1	2142706	2	Fitting	
2	1001307027	1	Steer Cylinder Sub-Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
3	1001307532	1	Rear Axle & Differential Assembly (See Separate Breakdown in this Section)	

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FIGURE 4-11. REAR AXLE & DIFFERENTIAL ASSEMBLY



ART_1001307532

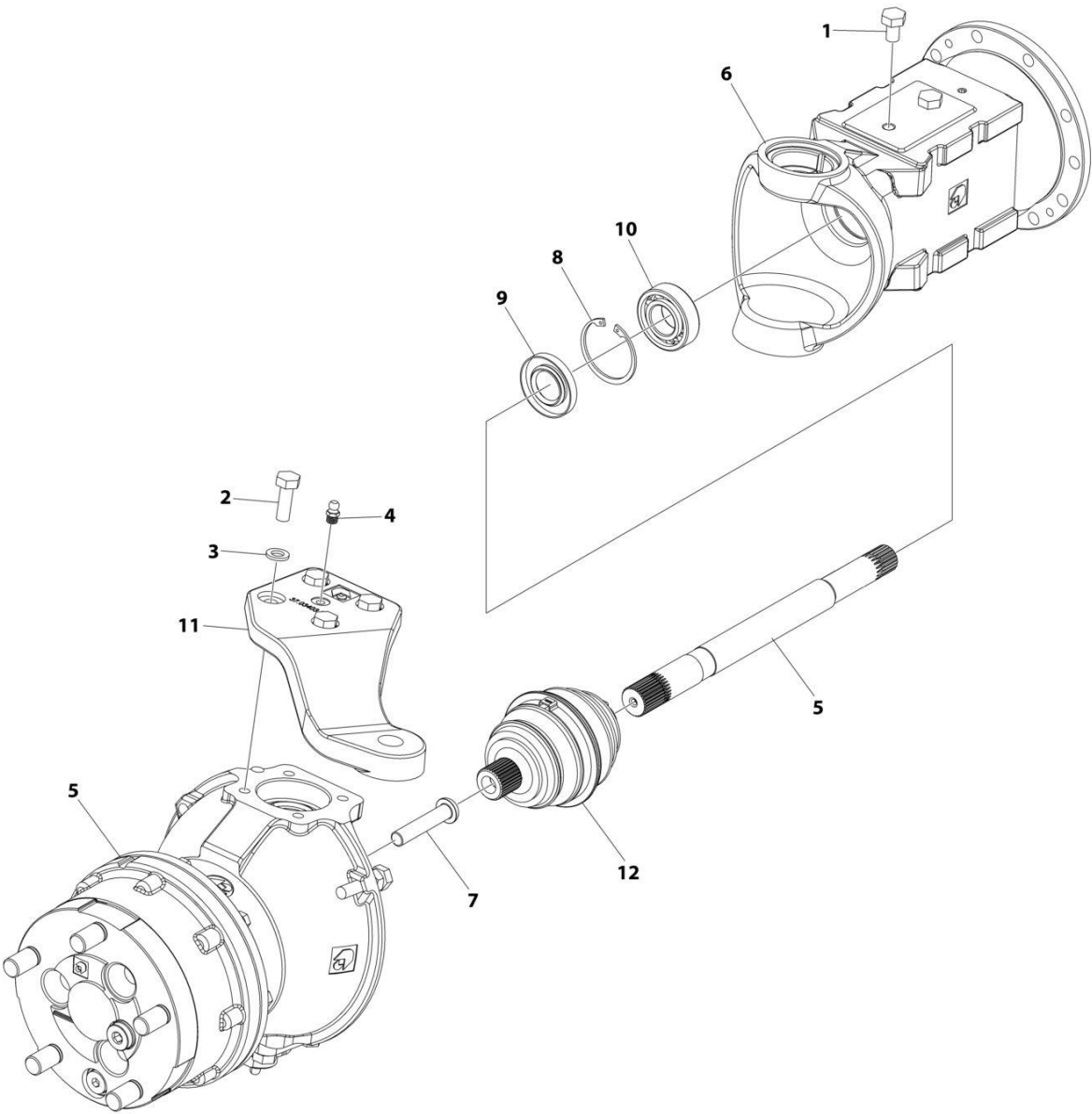
SECTION 4 - DRIVE TRAIN

FIGURE 4-11. REAR AXLE & DIFFERENTIAL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307532	Ref	REAR AXLE & DIFFERENTIAL ASSEMBLY	B
1	0761014	34	Bolt M10 x 30	
2	4832000	34	Washer M10	
4	1001262360	3	Washer M14	
5	1001262370	1	Plug, Magnetic	
6	1001262371	1	Plug, Pressure Relief	
7	1001262445	1	Plug	
8	1001306162	1	O-Ring (Between Differential & Housing)	
9	1001306168	2	O-Ring (Between Axle & Housing)	
10	1001306406	1	Housing, Differential	
11	1001306800	1	Pin	
12	1001307003	1	Left Rear Axle Sub-Assembly (See Separate Breakdown in this Section)	
13	1001307542	1	Right Rear Axle Sub-Assembly (See Separate Breakdown in this Section)	
14	1001307547	1	Rear Differential Assembly (See Separate Breakdown in this Section)	
15	1001307571	2	Bushing	

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FIGURE 4-12. LEFT REAR AXLE SUB-ASSEMBLY



ART_1001307003

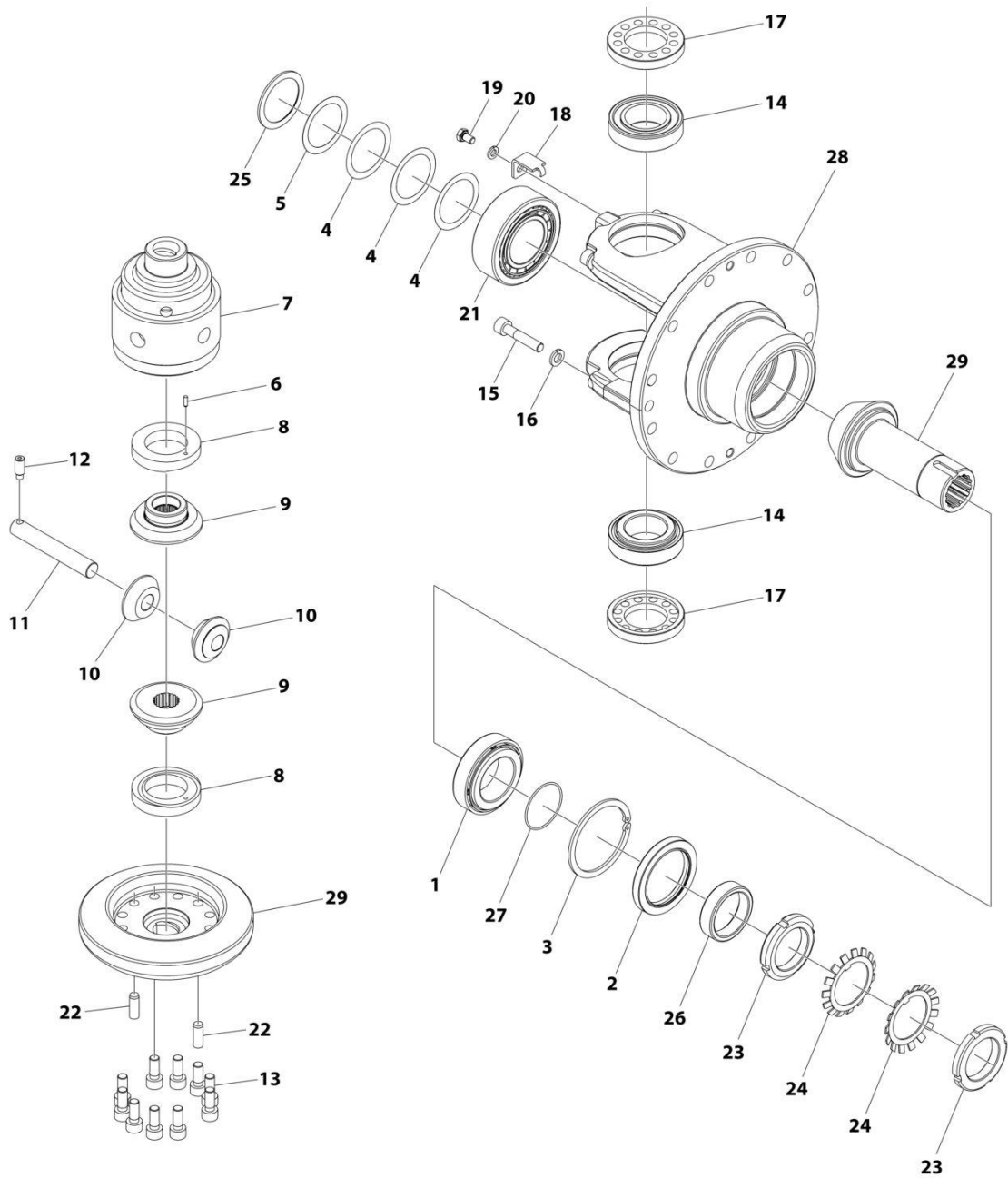
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FIGURE 4-12. LEFT REAR AXLE SUB-ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307003	Ref	LEFT REAR AXLE SUB-ASSEMBLY	A
1	0761008	2	Bolt M10 x 16	
2	0761014	4	Bolt M10 x 30	
3	4832000	4	Washer M10	
4	1001261547	1	Fitting, Grease	
5	1001306385	1	Rear Axle Assembly (See Separate Breakdown in this Section)	
6	1001306404	1	Housing, Axle	
7	1001306727	1	Capscrew M12 x 60	
8	1001306730	1	Ring, Snap	
9	1001306737	1	Seal	
10	1001306818	1	Bearing	
11	1001307004	1	Support, Steer Cylinder	
12	1001307080	1	Joint, Planetary Axle	

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FIGURE 4-13. REAR DIFFERENTIAL ASSEMBLY



ART_1001307547

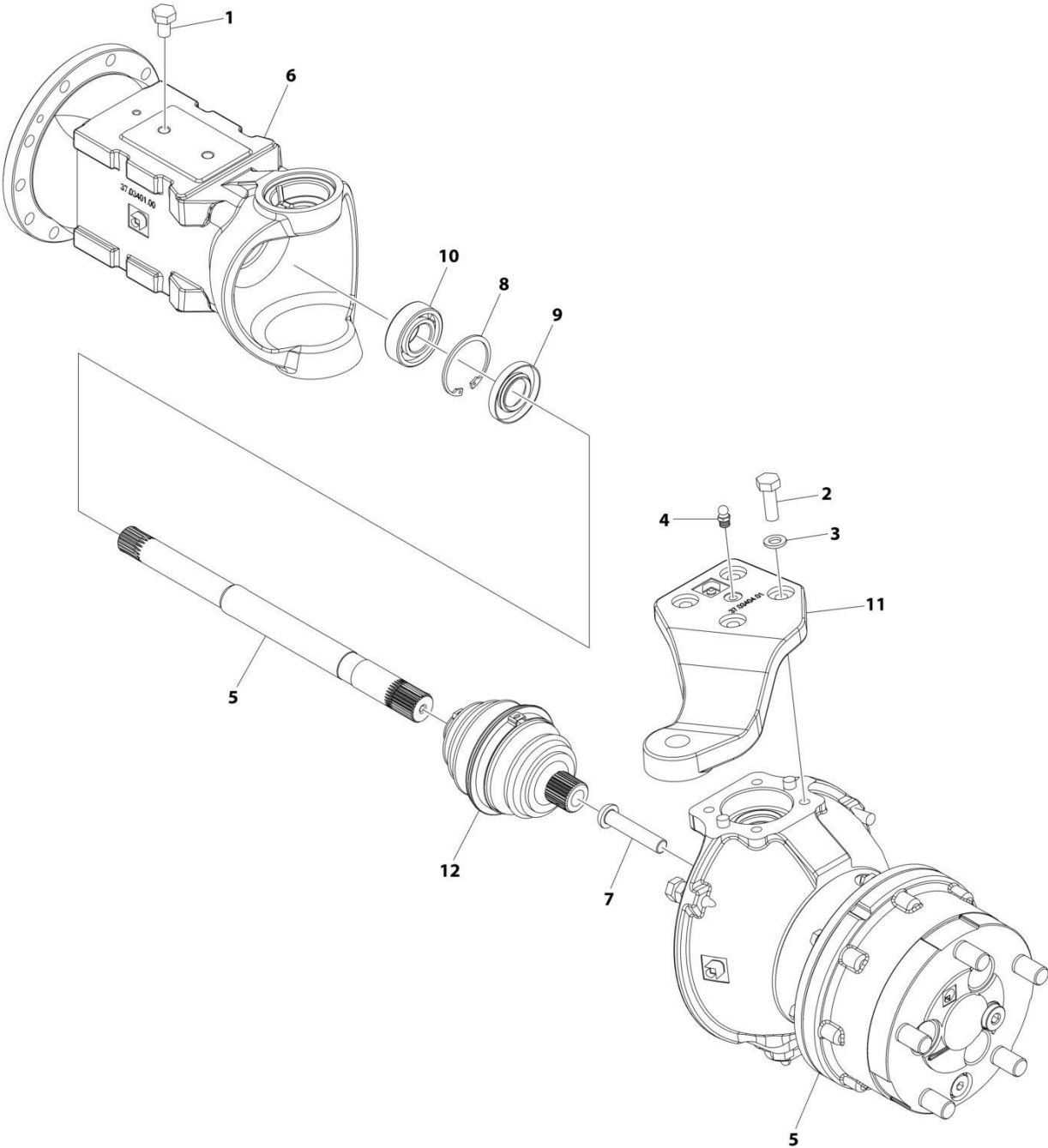
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FIGURE 4-13. REAR DIFFERENTIAL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307547	Ref	REAR DIFFERENTIAL ASSEMBLY	A
1	70031620	1	Bearing	
2	70031621	1	Ring	
3	70031622	1	Ring, Retaining	
4	70031649	3	Ring	
5	70031650	1	Ring	
6	70030233	1	Pin	
7	70031625	1	Housing	
8	70031626	2	Ring	
9	70031627	2	Gear	
10	70031628	2	Gear	
11	70031629	1	Pin	
12	70030234	1	Capscrew M8 x 20	
13	70031632	10	Capscrew M8 x 20	
14	70031633	2	Bearing	
15	70031634	4	Capscrew M8 x 40	
16	70031600	4	Washer M8	
17	70031635	2	Ring, Wear	
18	70031636	2	Clip	
19	70031637	2	Bolt M6 x 10	
20	70031638	2	Washer M6	
21	70031648	1	Bearing	
22	70031639	2	Pin	
23	70031641	2	Nut	
24	70031640	2	Washer	
25	70031642	1	Ring	
26	70031643	1	Ring	
27	70031644	1	O-Ring	
28	70031646	1	Housing	
29	70031652	1	Kit, Ring & Pinion Gear	

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FIGURE 4-14. RIGHT REAR AXLE SUB-ASSEMBLY



ART_1001307542

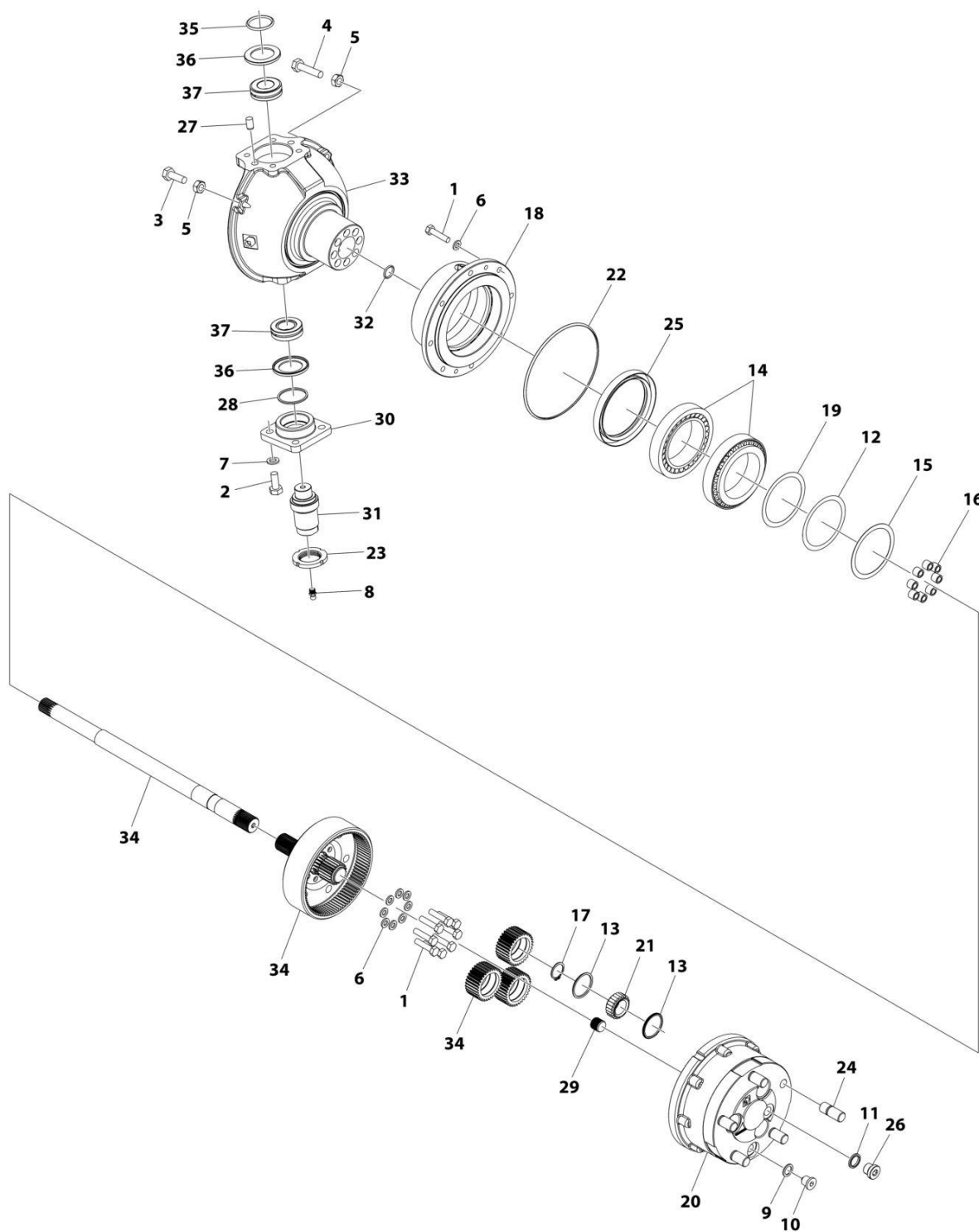
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FIGURE 4-14. RIGHT REAR AXLE SUB-ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307542	Ref	AXLE SUB-ASSEMBLY	A
1	0761008	2	Bolt M10 x 16	
2	0761014	4	Bolt M10 x 30	
3	4832000	4	Washer M10	
4	1001261547	1	Fitting, Grease	
5	1001306385	1	Rear Axle Assembly (See Separate Breakdown in this Section)	
6	1001306404	1	Housing, Axle	
7	1001306727	1	Capscrew M12 x 60	
8	1001306730	1	Ring, Snap	
9	1001306737	1	Seal	
10	1001306818	1	Bearing	
11	1001306962	1	Support, Steer Cylinder	
12	1001307080	1	Joint, Planetary Axle	

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FIGURE 4-15. REAR AXLE ASSEMBLY



ART_1001306385

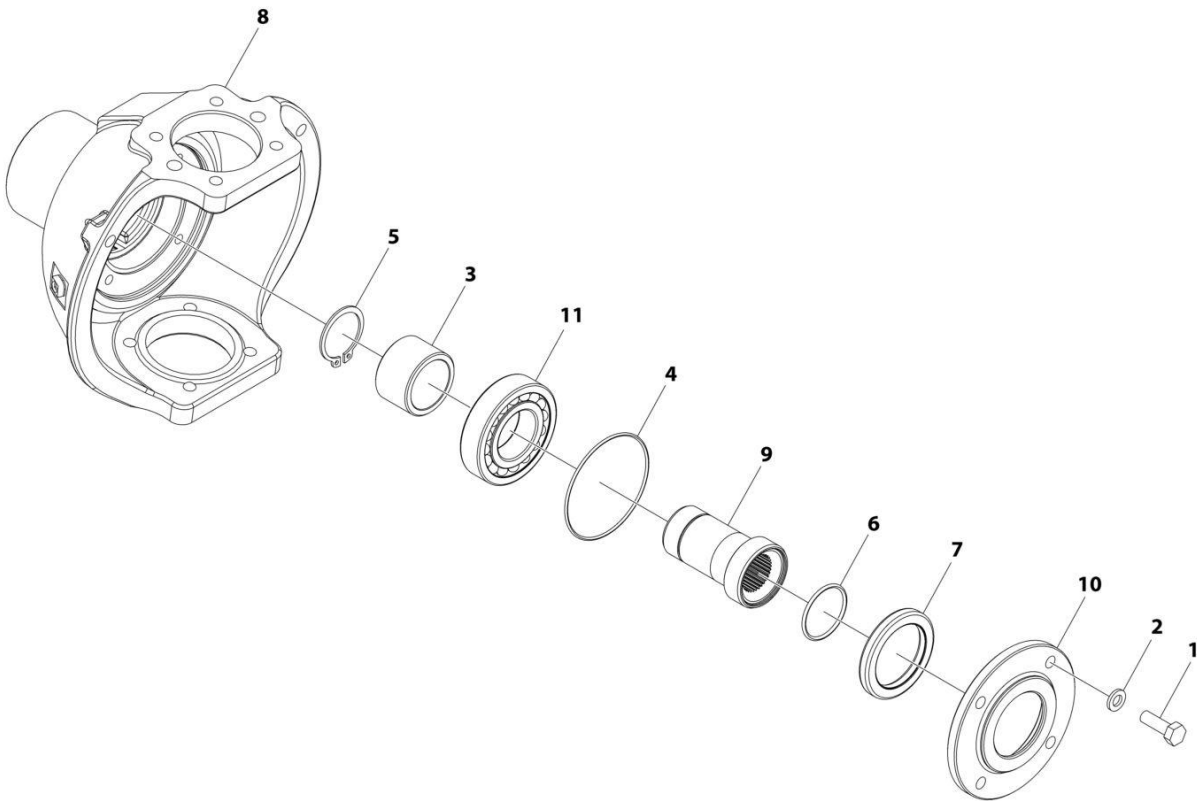
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FIGURE 4-15. REAR AXLE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306385	Ref	REAR AXLE ASSEMBLY	A
1	0700815	16	Bolt M8 x 35	
2	0761012	4	Bolt M10 x 25	
3	0761014	1	Bolt M10 x 30	
4	0761017	1	Bolt M10 x 45	
5	3291001	2	Nut M10	
6	4831900	16	Washer M8	
7	4832000	4	Washer M10	
8	1001261547	1	Fitting, Grease	
9	1001262360	1	Washer	
10	1001262370	1	Plug, Magnetic	
11	1001263139	1	Seal	
12	1001306231	1	Shim - 0.05MM Thickness	
13	1001306264	6	Ring	
14	1001306265	2	Bearing	
15	1001306266	1	Shim - 0.50MM Thickness	
16	1001306280	8	Bushing	
17	1001306281	3	Ring, Retaining	
18	1001306282	1	Hub	
19	1001306288	1	Shim - 0.20MM Thickness	
20	1001306292	1	Housing, Rear Axle Reduction Gear	
21	1001306314	3	Bearing	
22	1001306316	1	O-Ring - 152MM Diameter	
23	1001306387	1	Nut, Ring Lock	
24	1001306388	5	Stud	
25	1001306399	1	Seal	
26	1001306400	1	Plug (With O-Ring)	
27	1001306408	2	Pin	
28	1001306419	1	O-Ring - 40MM Diameter	
29	1001306435	1	Mount, Axle Shaft	
30	1001306674	1	Mount, Axle Pivot Shaft	
31	1001306675	1	Shaft, Axle Pivot	
32	1001306681	1	O-Ring - 16.3MM Diameter	
33	1001306690	1	Rear Axle Pivot Assembly (See Separate Breakdown in this Section)	
34	1001306705	1	Rear Axle Reduction Gear Assembly (See Separate Breakdown in this Section)	
35	1001306725	1	O-Ring - 34.5MM Diameter	
36	1001306806	2	Cover	
37	1001306859	2	Bearing	

SECTION 4 - DRIVE TRAIN

FIGURE 4-16. REAR AXLE PIVOT ASSEMBLY



ART_1001306690

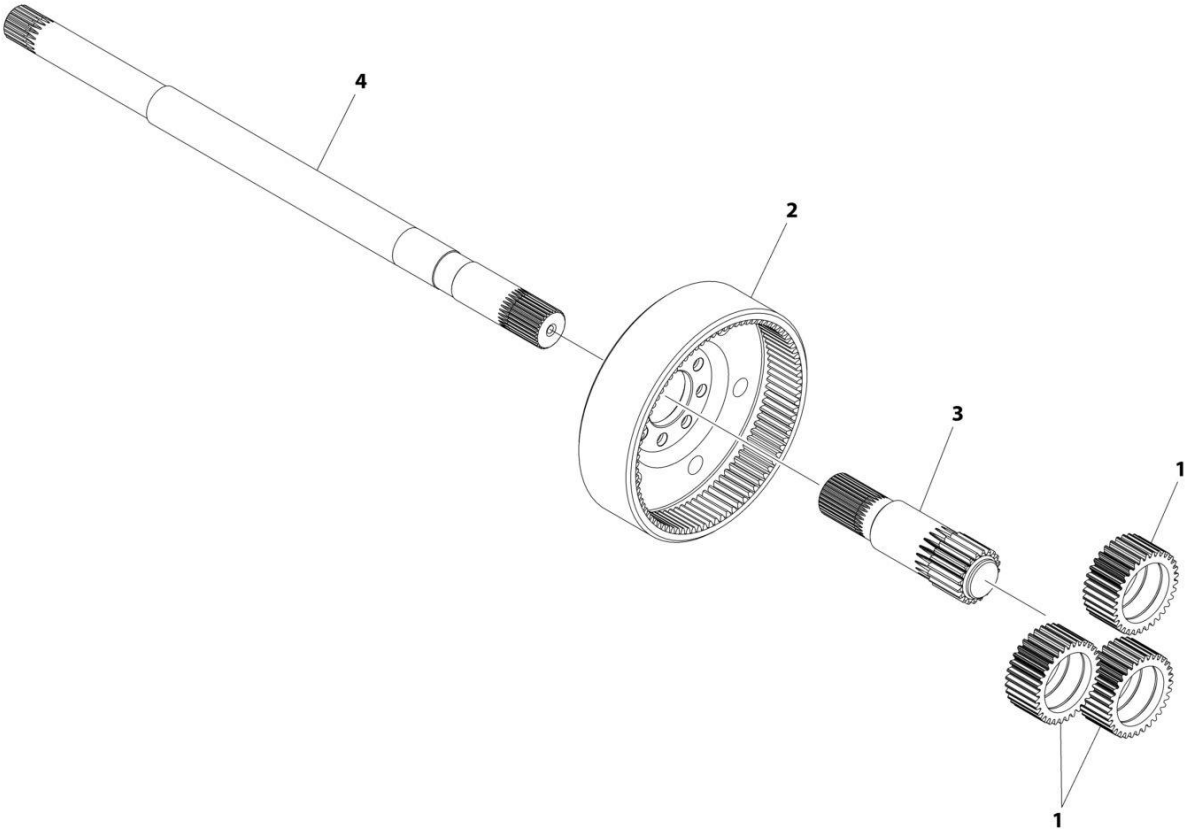
SECTION 4 - DRIVE TRAIN

FIGURE 4-16. REAR AXLE PIVOT ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306690	Ref	REAR AXLE PIVOT ASSEMBLY	A
1	0760812	4	Bolt M8 x 25	
2	4831900	4	Washer M8	
3	1001306687	1	Bushing	
4	1001306693	1	O-Ring - 72MM Diameter	
5	1001306694	1	Ring, Retaining	
6	1001306698	1	O-Ring - 35MM Diameter	
7	1001306700	1	Seal	
8	1001306739	1	Housing	
9	1001306752	1	Shaft	
10	1001306754	1	Support, Axle Flange	
11	1001306856	1	Bearing	

SECTION 4 - DRIVE TRAIN

FIGURE 4-17. REAR AXLE REDUCTION GEAR ASSEMBLY



ART_1001306705

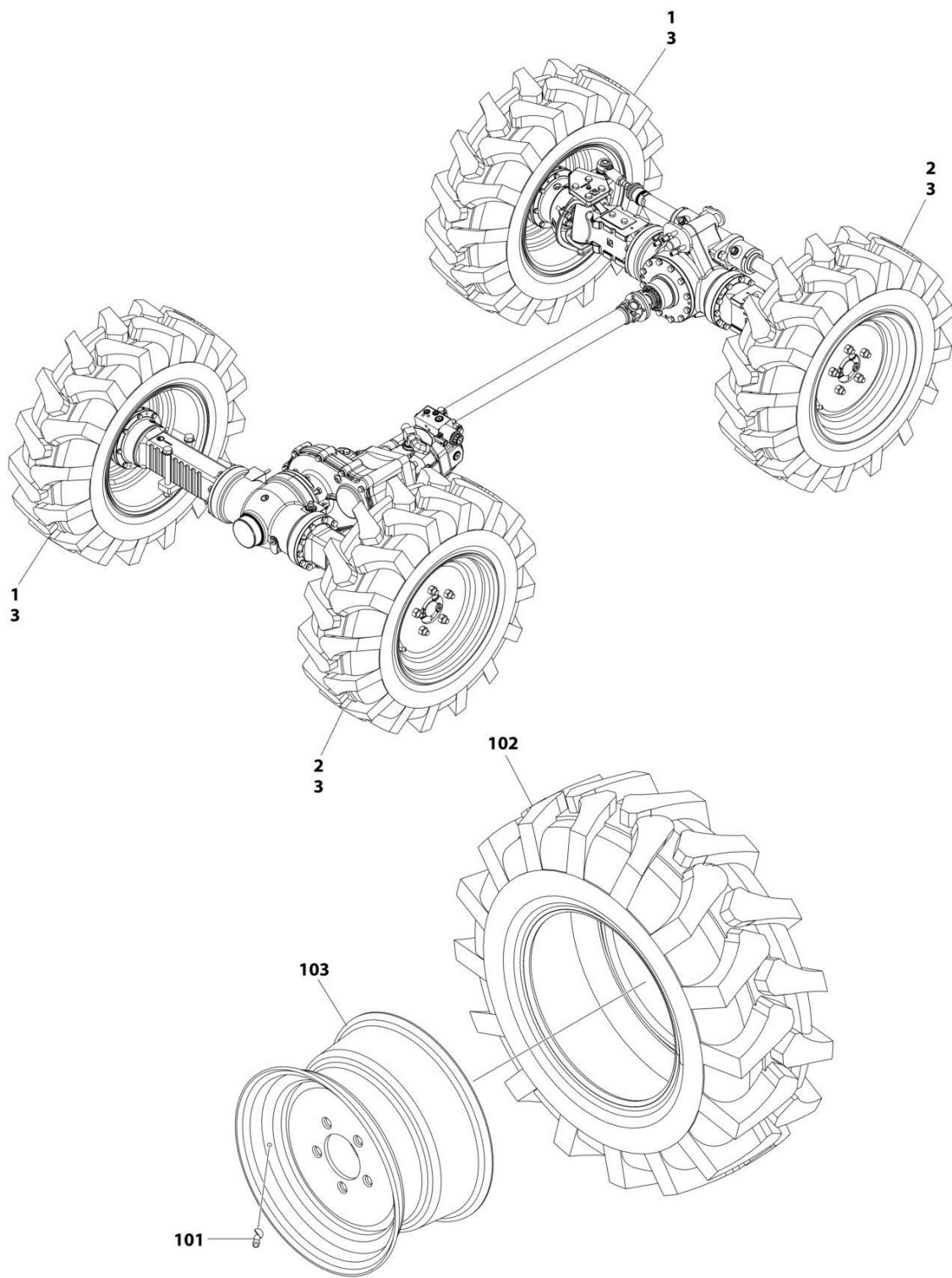
SECTION 4 - DRIVE TRAIN

FIGURE 4-17. REAR AXLE REDUCTION GEAR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306705	Ref	REAR AXLE REDUCTION GEAR ASSEMBLY	A
1	1001306246	3	Gear, Spur	
2	1001306251	1	Gear, Crown	
3	1001306706	1	Shaft - 124.5MM Length	
4	1001306707	1	Shaft - 25MM Length	

SECTION 4 - DRIVE TRAIN

FIGURE 4-18. TIRE INSTALLATION - AIR FILLED



ART_1001303858

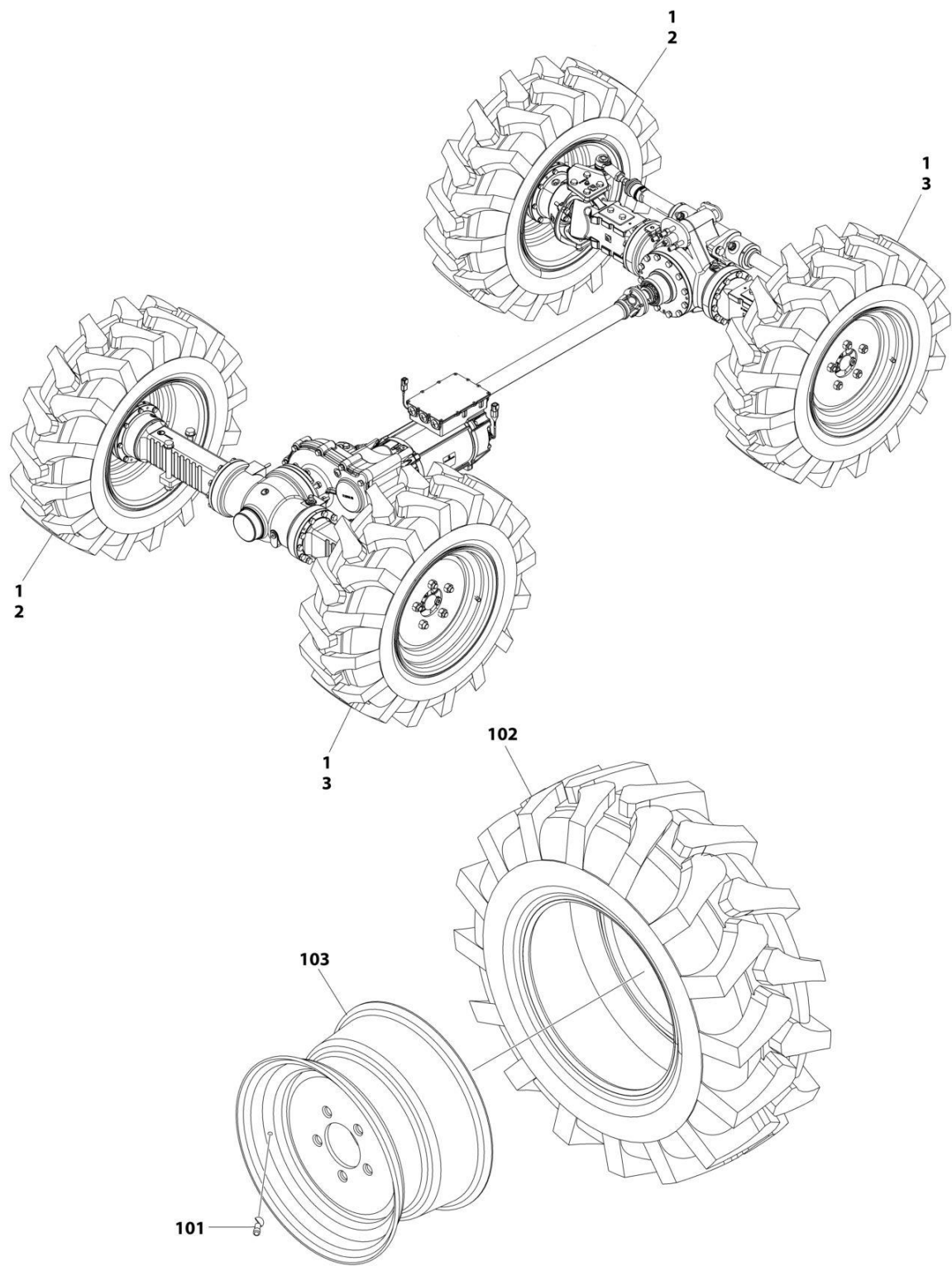
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FIGURE 4-18. TIRE INSTALLATION - AIR FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303858	Ref	TIRE INSTALLATION	A
1	1001303860	2	Tire, Right (Includes Items 101-103)	A
2	1001303861	2	Tire, Left (Includes Items 101-103)	A
3	1001304424	20	Nut, Lug M16	
101	1001262612	1	Stem, Valve	
102	1001303862	1	Tire	
103	1001305583	1	Wheel	

SECTION 4 - DRIVE TRAIN

FIGURE 4-19. TIRE INSTALLATION - FOAM FILLED



ART_1001306881

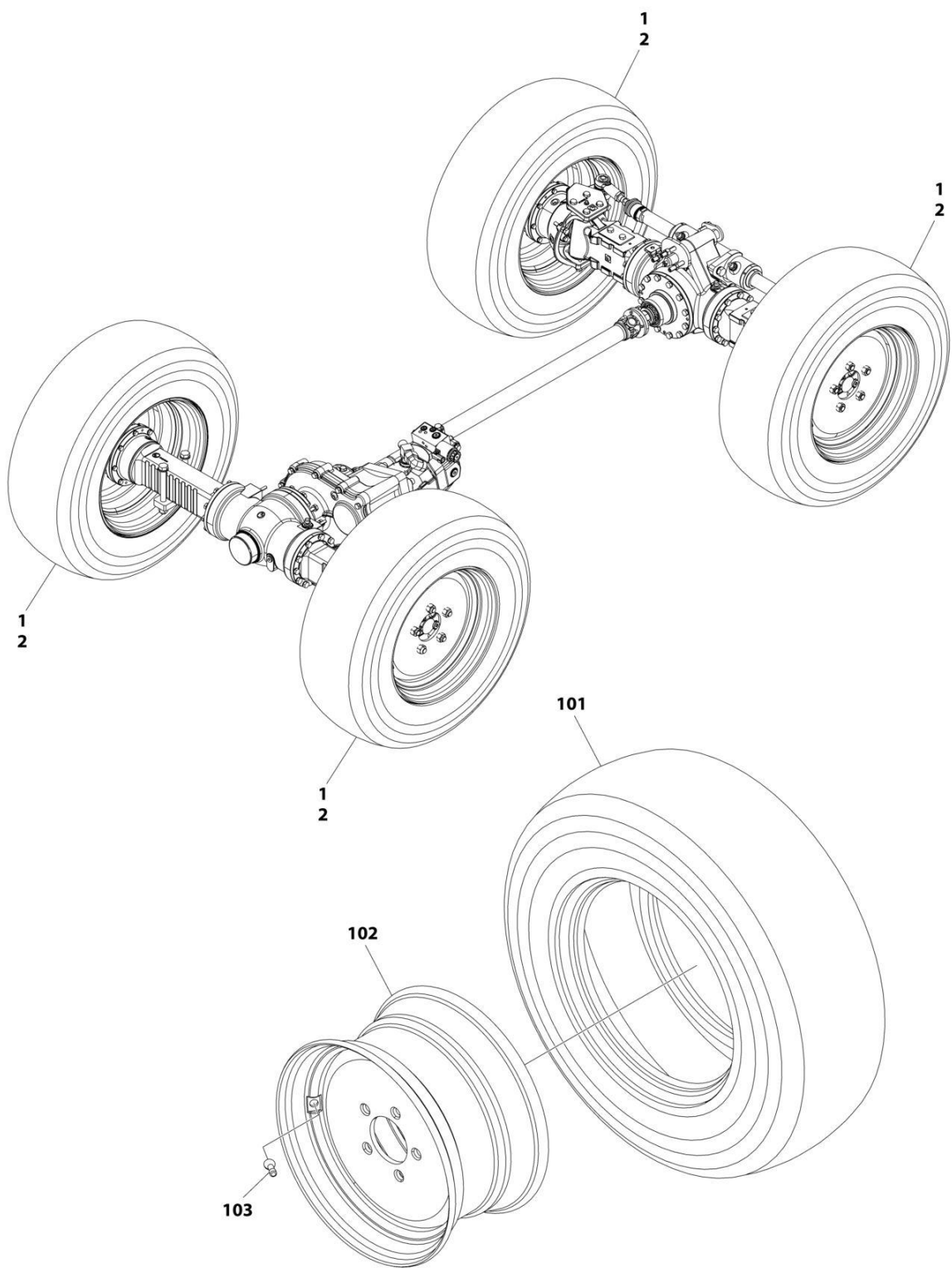
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FIGURE 4-19. TIRE INSTALLATION - FOAM FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306881	Ref	TIRE INSTALLATION - FOAM-FILLED	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	1001304424	20	Nut, Lug M16	
2	1001310817	2	Tire, Right (Includes Items 101-104)	A
3	1001310818	2	Tire, Left (Includes Items 101-104)	A
101	1001262612	1	Valve, Stem	
102	1001303862	1	Tire	
103	1001305583	1	Wheel	
104	8526203	40 kg	Foam Fill (Not Shown)	

SECTION 4 - DRIVE TRAIN

FIGURE 4-20. TIRE INSTALLATION - TURF



ART_1001306883

SECTION 4 - DRIVE TRAIN

FIGURE 4-20. TIRE INSTALLATION - TURF

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306883	Ref	TIRE INSTALLATION - TURF	A
1	1001304424	20	Nut, Lug M16	A
2	1001312507	4	Tire (Includes Items 101-103)	
101	1001312504	1	Tire	
102	1001312505	1	Wheel	
103	1001312506	1	Valve, Stem	

SECTION 5 - CAB

SECTION 5 - CAB

FIGURE 5-1. ENCLOSED CAB INSTALLATION

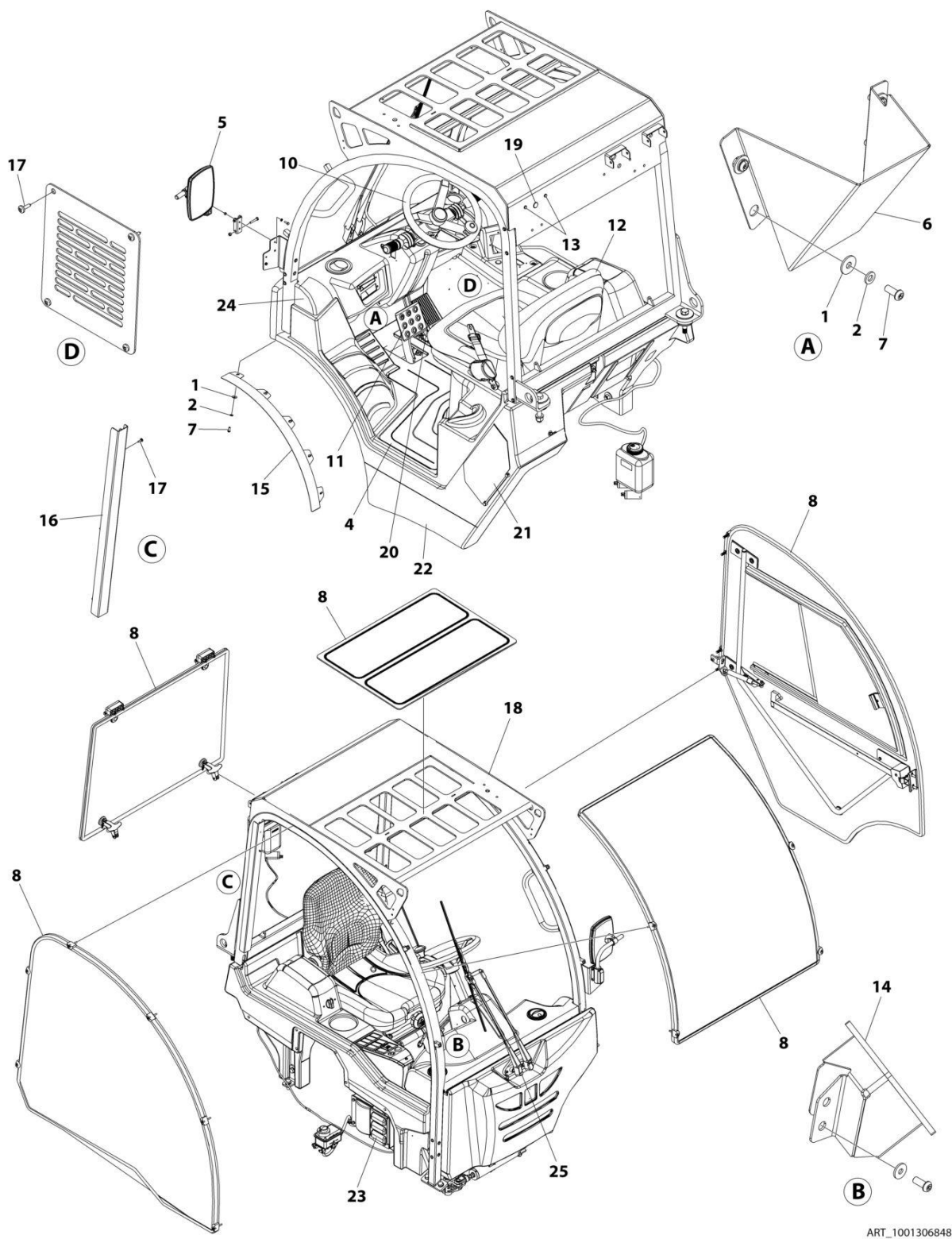
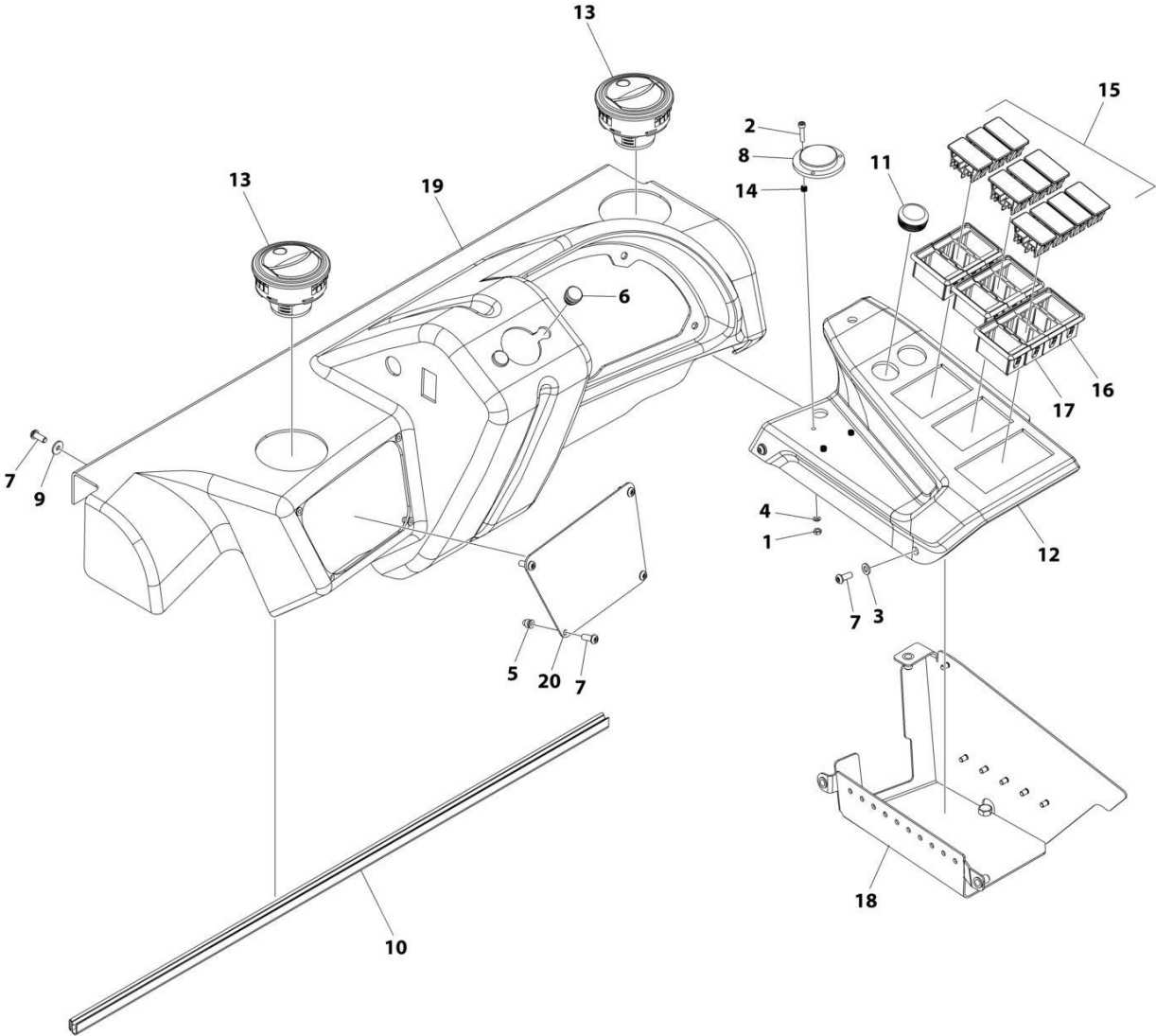


FIGURE 5-1. ENCLOSED CAB INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306848	Ref	CAB INSTALLATION - ENCLOSED	A
1	4811702	9	Washer M6	
2	4831700	9	Washer M6	
3	1001262961	1	Tie-Strap (Not Shown)	
4	1001263990	1	Mat, Cab Floor	
5	1001263995	1	Mirror	
6	1001264011	1	Bracket	
7	1001264021	9	Capscrew M6 x 15 Clas 10.9	
8	1001264351	Ref	Enclosed Cab Glass Installation (See Separate Breakdown in this Section)	
9	1001264506	1	Headliner (Not Shown)	
10	1001302209	Ref	Steering Installation (See Separate Breakdown in CONTROLS Section)	
11	1001307379	1	Brake System Installation (See Separate Breakdown in CONTROLS Section)	
12	1001303221	Ref	Seat Installation (See Separate Breakdown in this Section)	
13	1001303409	2	Plug - 13MM	
14	1001304005	1	Support, Load Chart	
15	1001304076	1	Bracket, Mudguard Left	
16	1001304080	1	Bracket, Wire	
17	1001304203	7	Screw M4.8 x 16	
18	1001304375	Ref	Enclosed Cab Frame Installation (See Separate Breakdown in this Section)	
19	1001305687	1	Plug - 19MM	
20	1001308481	1	Throttle Pedal Installation (See Separate Breakdown in CONTROLS Section)	
21	1001308482	1	Charge Box Installation (See Separate Breakdown in this Section)	
22	1001308483	1	Cab Base Installation (See Separate Breakdown in this Section)	
23	1001308660	1	Heater Installation (See Separate Breakdown in this Section)	
24	1001308677	1	Enclosed Cab Dash Installation (See Separate Breakdown in this Section)	
25	1001308678	1	Windshield Wiper Installation (See Separate Breakdown in this Section)	

SECTION 5 - CAB

FIGURE 5-2. ENCLOSED CAB DASH INSTALLATION



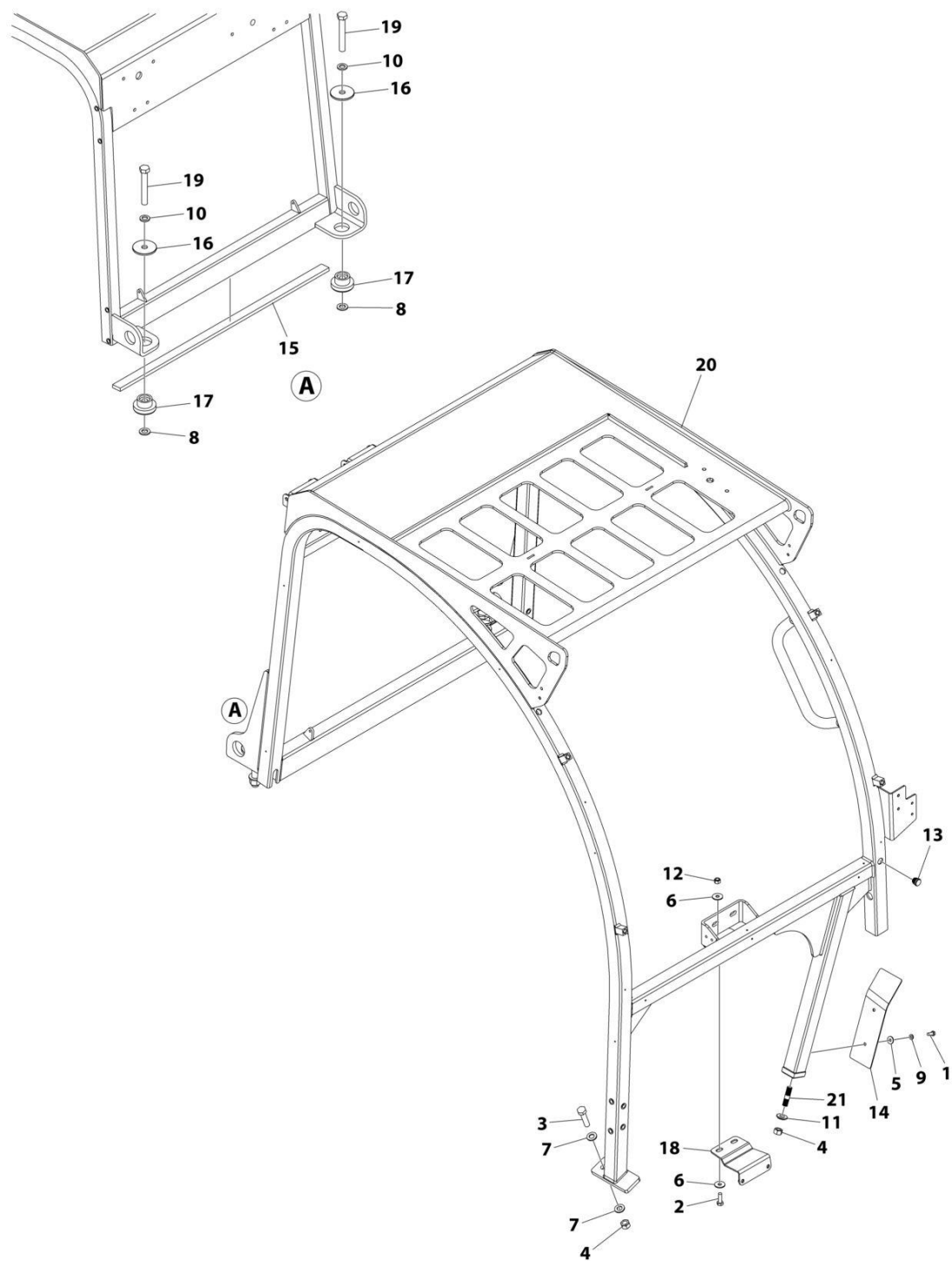
ART_1001308677

FIGURE 5-2. ENCLOSED CAB DASH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308677	Ref	DASH INSTALLATION	A
1	3290401	3	Nut M4	
2	4031508	3	Capscrew M4 x 20	
3	4811700	3	Washer M6	
4	4831400	3	Washer M4	
5	1001186915	4	Rivnut M4	
6	1001264008	2	Plug - 18MM	
7	1001264021	10	Capscrew M6 x 15 Class 10.9	
8	1001264377	1	Gauge, Leveling	
9	1001264434	3	Washer M5	
10	1001264708	32 in/ 81 cm	Seal	
11	1001303398	1	Plug - 32MM	
12	1001303415	1	Dash, Side	
13	1001305465	2	Vent	
14	1001306197	3	Spring	
15	1001306198	10	Plug	
16	1001306199	6	Bezel, End	
17	1001306200	4	Bezel, Middle	
18	1001306201	1	Bracket	
19	1001309136	1	Dash, Front	
20	1001309159	1	Panel	

SECTION 5 - CAB

FIGURE 5-3. ENCLOSED CAB FRAME INSTALLATION



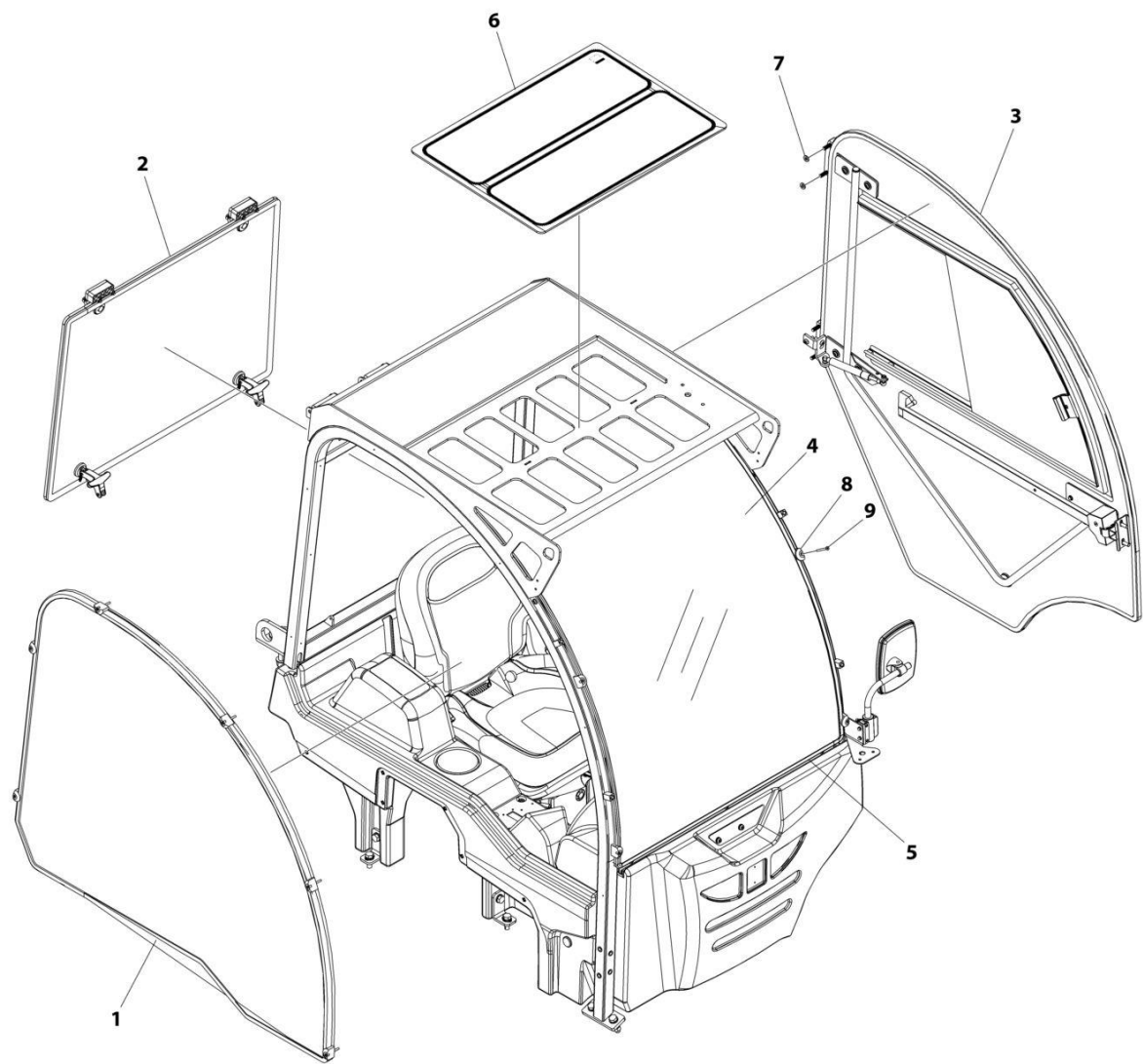
ART_1001304375

FIGURE 5-3. ENCLOSED CAB FRAME INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001304375	Ref	FRAME INSTALLATION	A
1	0760608	2	Bolt M6 x 16	
2	0760812	2	Bolt M8 x 25	
3	0761218	2	Bolt M12 x 50	
4	3291207	3	Nut M12	
5	4811702	2	Washer M6	
6	4811902	4	Washer M8	
7	4812100	4	Washer M12	
8	4812300	2	Washer M16	
9	4831700	2	Washer M6	
10	4832300	2	Washer M16	
11	1001262274	1	Washer M12	
12	1001263188	2	Nut M8	
13	1001264006	1	Plug	
14	1001264013	1	Panel, Cab Tank	
15	1001264016	1	Seal	
16	1001264019	2	Washer M16	
17	1001264020	2	Mount, Isolator	
18	1001264484	1	Bracket, Wiper Motor	
19	1001264513	2	Bolt M16 x 90	
20	1001303217	1	Frame, Cab	
21	1001303382	1	Stud	

SECTION 5 - CAB

FIGURE 5-4. ENCLOSED CAB GLASS INSTALLATION



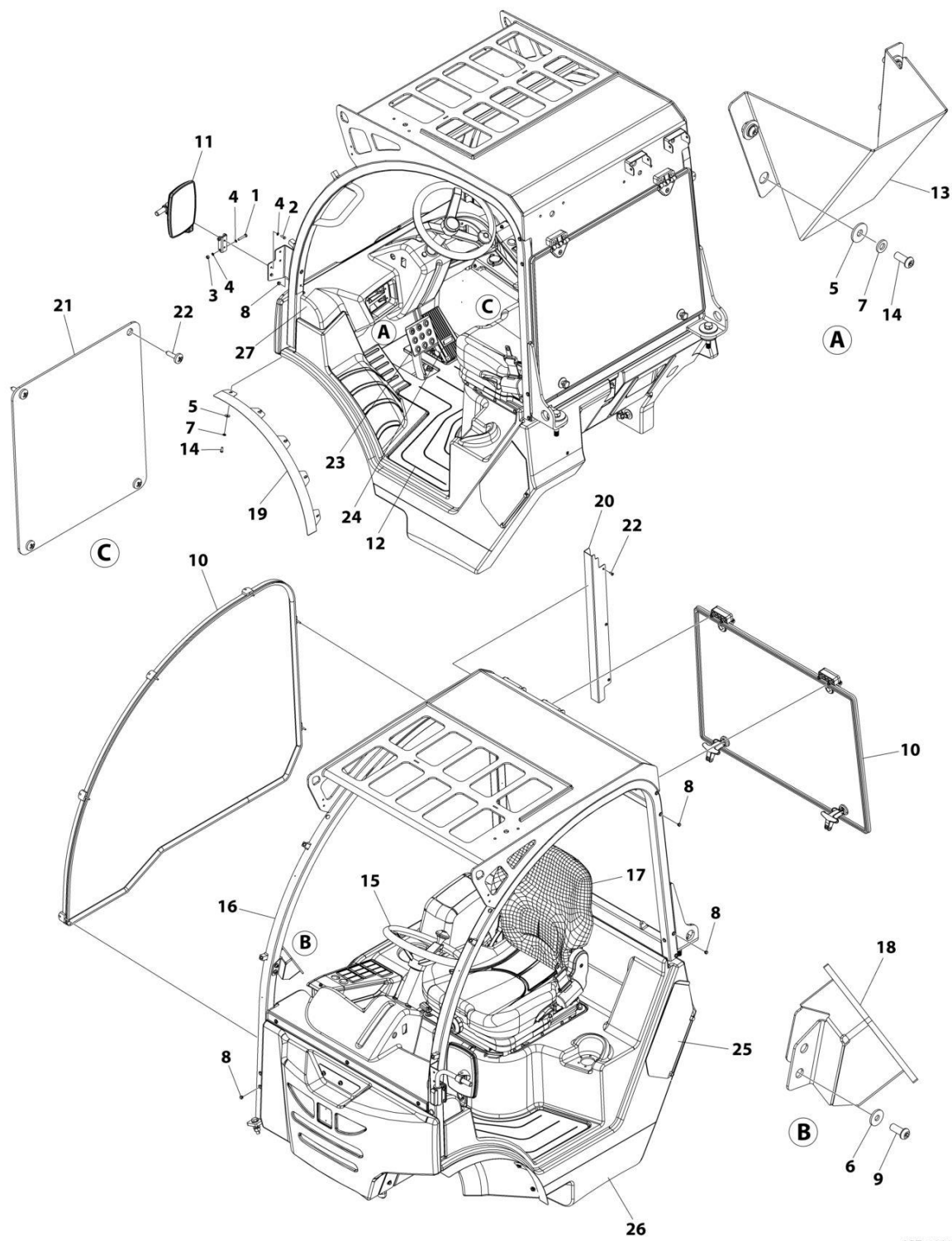
ART_1001264351

FIGURE 5-4. ENCLOSED CAB GLASS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264351	Ref	GLASS INSTALLATION - ENCLOSED CAB	A
1	1001263997	1	Window, Cab Side (RH)	
2	1001263998	1	Window, Cab Rear Exit	
3	1001264477	1	Door, Cab	
3	70030741	1	Key, Door	
3	70031292	1	Shock, Gas	
3	70031363	1	Glass, Window (LH)	
4	1001264478	1	Windshield	
5	1001264479	1	Seal	
6	1001264480	1	Window, Cab Top	
7	1001264481	4	Washer M8	
8	1001264482	4	Support	
9	1001264515	4	Screw M4.8 x 50	

SECTION 5 - CAB

FIGURE 5-5. OPEN CAB INSTALLATION



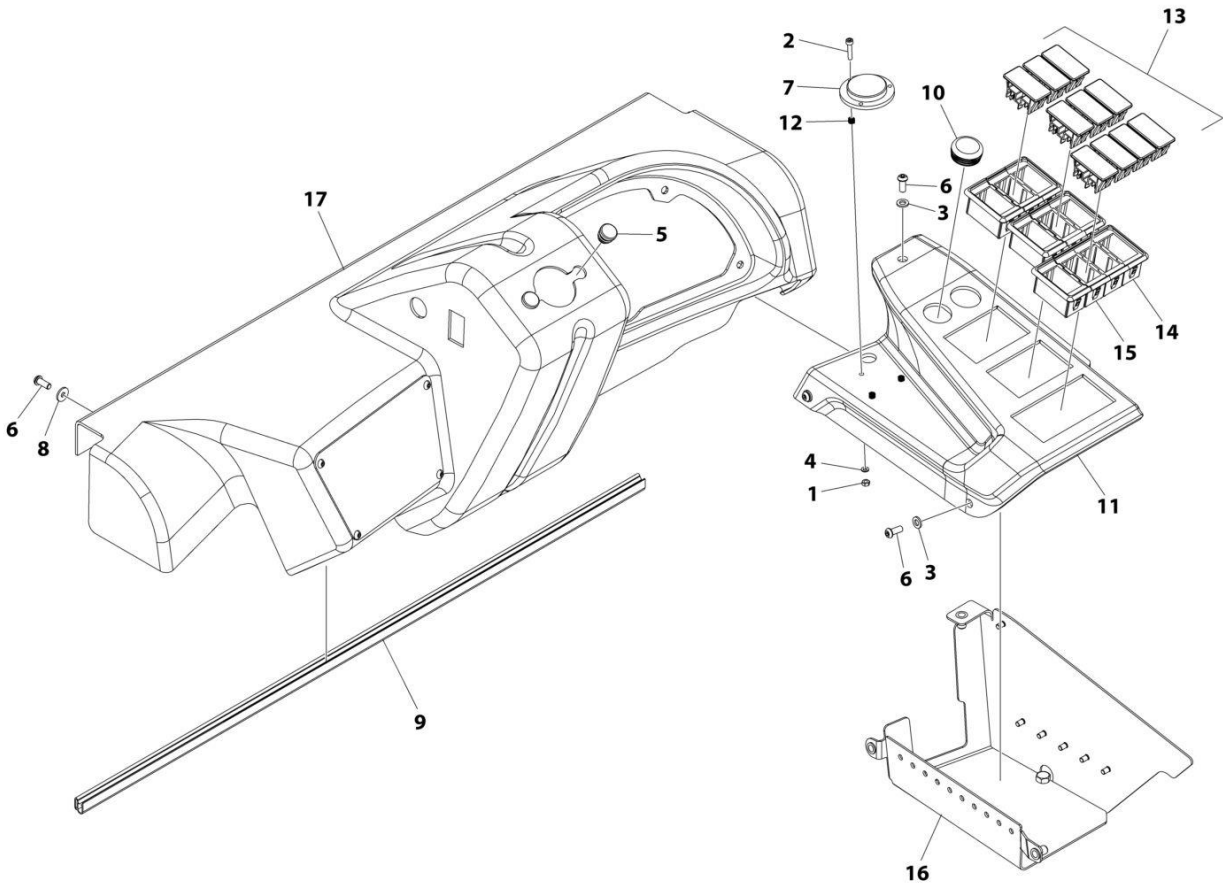
ART_1001306847

FIGURE 5-5. OPEN CAB INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306847	Ref	CAB INSTALLATION - OPEN	A
1	0700615	2	Bolt M6 x 35	
2	0760508	2	Bolt M5 x 16	
3	3290605	2	Nut M6	
4	4811600	6	Washer M5	
5	4811702	9	Washer M6	
6	4811900	2	Washer M8	
7	4831700	9	Washer M6	
8	1001261567	9	Plug	
9	1001262664	2	Capscrew M8 x 20	
10	1001263054	1	Open Cab Glass Installation (See Separate Breakdown in this Section)	
11	1001263995	1	Mirror	
12	1001263990	1	Mat, Cab Floor	
13	1001264011	1	Bracket	
14	1001264021	9	Capscrew M6 x 15 Class 10.9	
15	1001302209	Ref	Steering Installation (See Separate Breakdown in CONTROLS Section)	
16	1001303216	Ref	Open Cab Frame Installation (See Separate Breakdown in this Section)	
17	1001303221	Ref	Seat Installation (See Separate Breakdown in this Section)	
18	1001304005	1	Support, Load Chart	
19	1001304076	1	Bracket, Mudguard Left	
20	1001304080	1	Bracket, Wire	
21	1001304081	1	Plate	
22	1001304203	7	Screw M4.8 x 16	
23	1001307379	1	Brake System Installation (See Separate Breakdown in CONTROLS Section)	
24	1001308481	1	Throttle Pedal Installation (See Separate Breakdown in CONTROLS Section)	
25	1001308482	1	Charge Box Installation (See Separate Breakdown in this Section)	
26	1001308483	1	Cab Base Installation (See Separate Breakdown in this Section)	
27	1001308675	1	Open Cab Dash Installation (See Separate Breakdown in this Section)	

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FIGURE 5-6. OPEN CAB DASH INSTALLATION



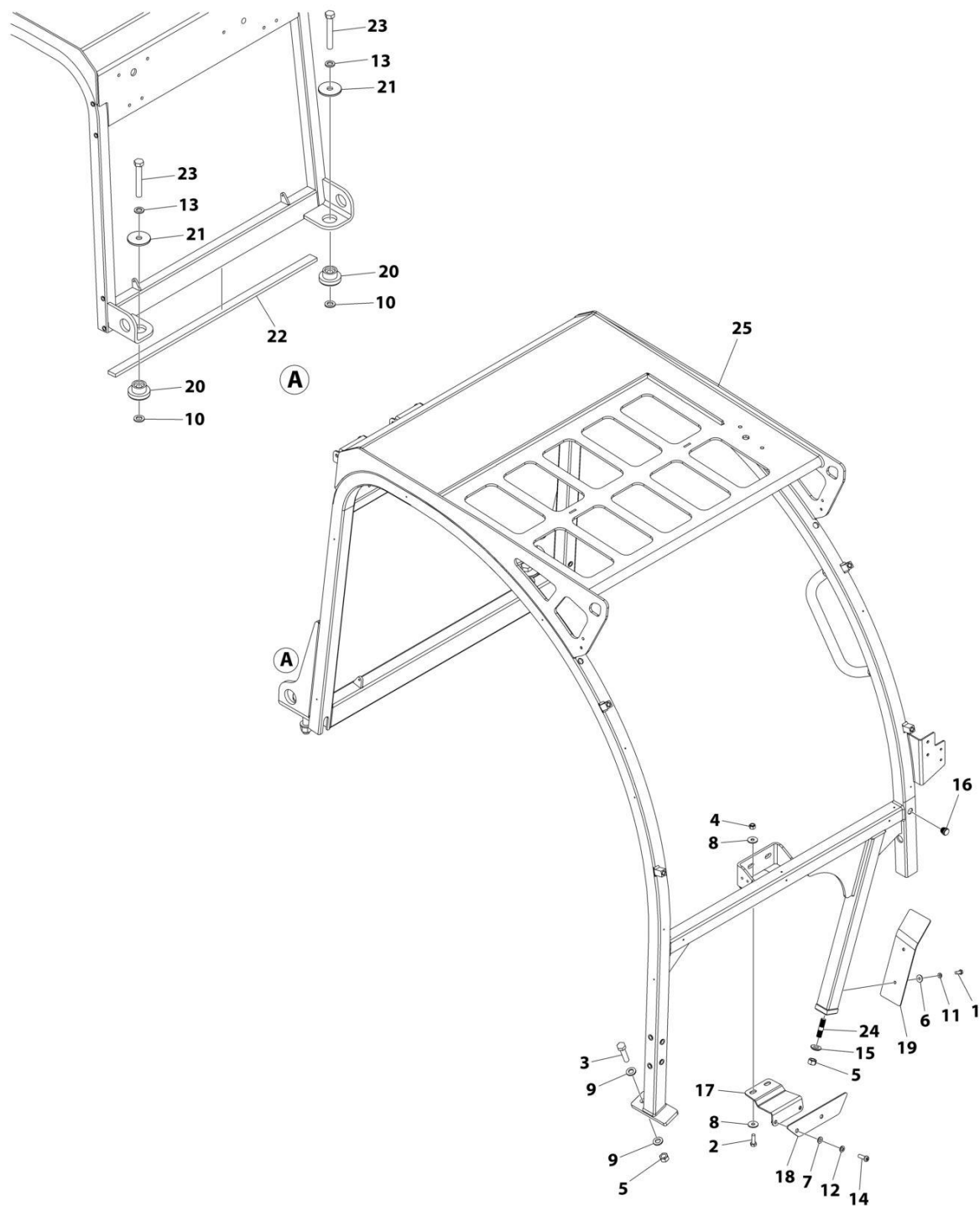
ART_1001308675

FIGURE 5-6. OPEN CAB DASH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308675	Ref	DASH INSTALLATION	A
1	3290401	3	Nut M4	
2	4031508	3	Capscrew M4 x 20	
3	4811700	3	Washer M6	
4	4831400	3	Washer M4	
5	1001264008	2	Plug	
6	1001264021	6	Capscrew M6 x 15 Class 10.9	
7	1001264377	1	Gauge, Leveling	
8	1001264434	3	Washer M5	
9	1001264708	32 in/ 81cm	Seal	
10	1001303398	1	Plug - 32MM	
11	1001303415	1	Dash, Side	
12	1001306197	3	Spring	
13	1001306198	10	Plug	
14	1001306199	6	Bezel, End	
15	1001306200	4	Bezel, Middle	
16	1001306201	1	Bracket	
17	1001308694	1	Dash, Front	

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FIGURE 5-7. OPEN CAB FRAME INSTALLATION



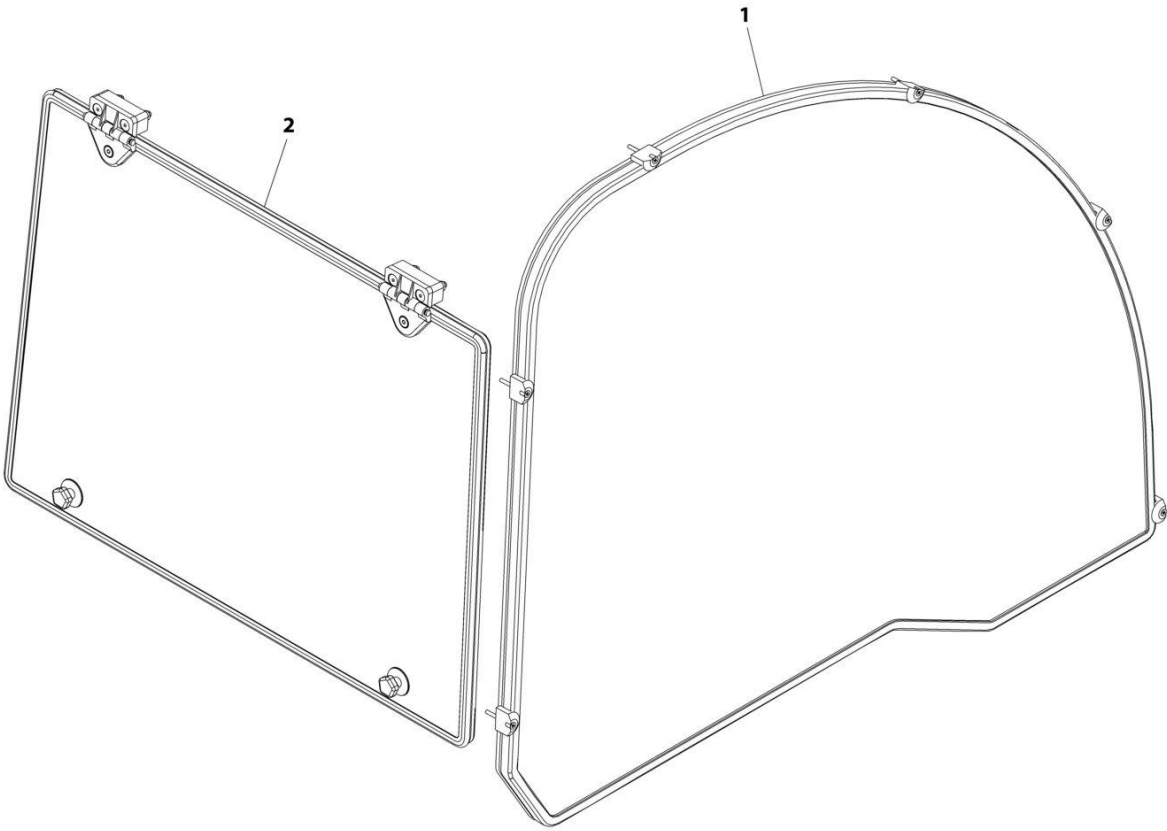
ART_1001303216

FIGURE 5-7. OPEN CAB FRAME INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303216	Ref	FRAME INSTALLATION	A
1	0760608	2	Bolt M6 x 16	
2	0760812	2	Bolt M8 x 25	
3	0761218	2	Bolt M12 x 50	
4	3290805	2	Nut M8	
5	3291207	3	Nut M12	
6	4811702	2	Washer M6	
7	4811900	2	Washer M8	
8	4811902	4	Washer M8	
9	4812100	4	Washer M12	
10	4812300	2	Washer M16	
11	4831700	2	Washer M6	
12	4831900	2	Washer M8	
13	4832300	2	Washer M16	
14	1001261564	2	Screw M8 x 25	
15	1001262274	1	Washer M12	
16	1001264006	1	Plug	
17	1001264010	1	Bracket	
18	1001264012	1	Plate, Cab Support	
19	1001264013	1	Panel, Cab Tank	
20	1001264020	2	Mount, Isolator	
21	1001264019	2	Washer M16	
22	1001264016	1	Seal	
23	1001264513	2	Bolt M16 x 90	
24	1001303382	1	Stud	
25	1001303217	1	Frame, Cab	

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FIGURE 5-8. OPEN CAB GLASS INSTALLATION



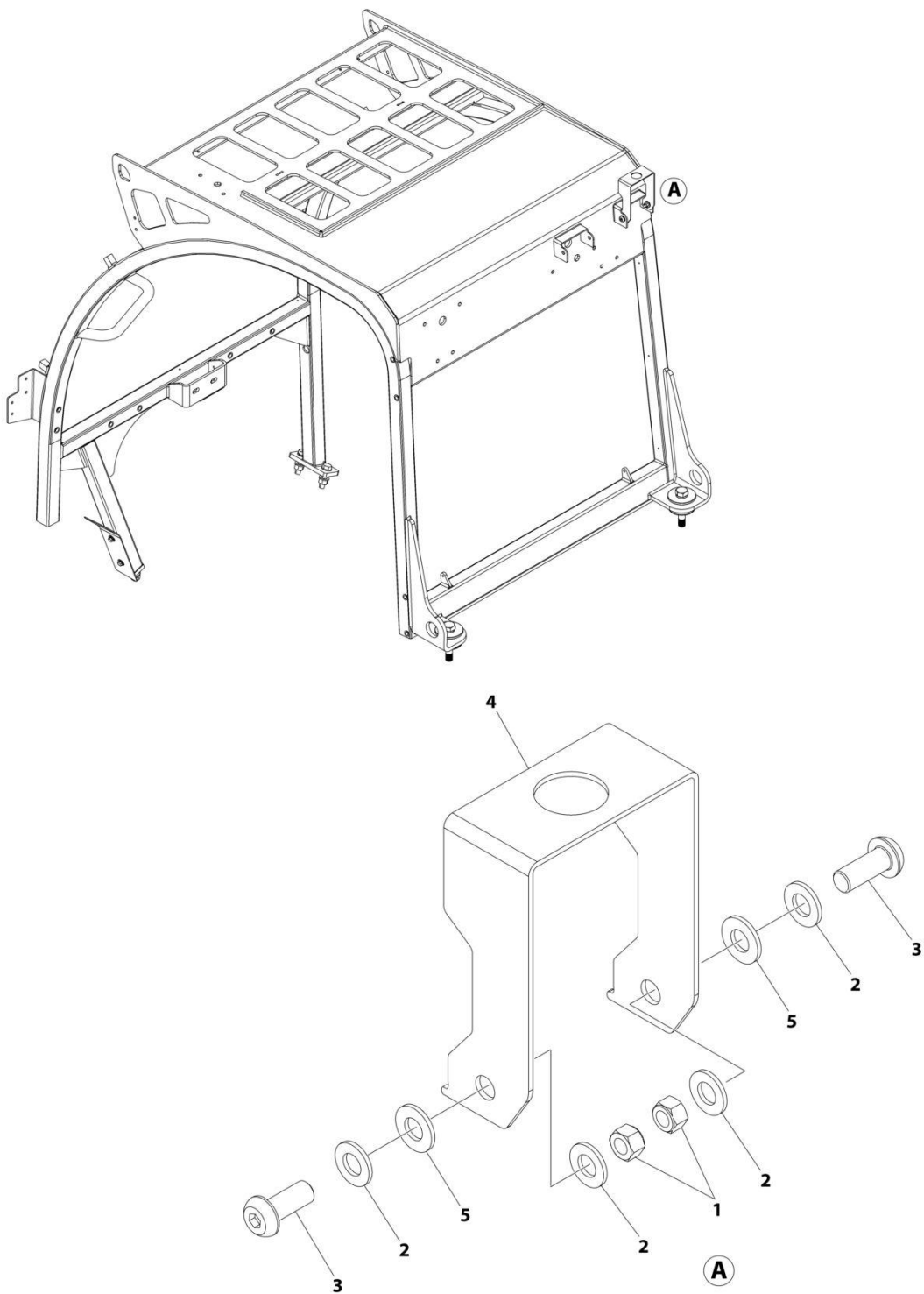
ART_1001263054

FIGURE 5-8. OPEN CAB GLASS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263054	Ref	GLASS INSTALLATION - OPEN CAB	A
1	1001263997	1	Window, Cab Side	
2	1001263998	1	Window, Cab Rear Exit	

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FIGURE 5-9. BEACON BRACKET INSTALLATION



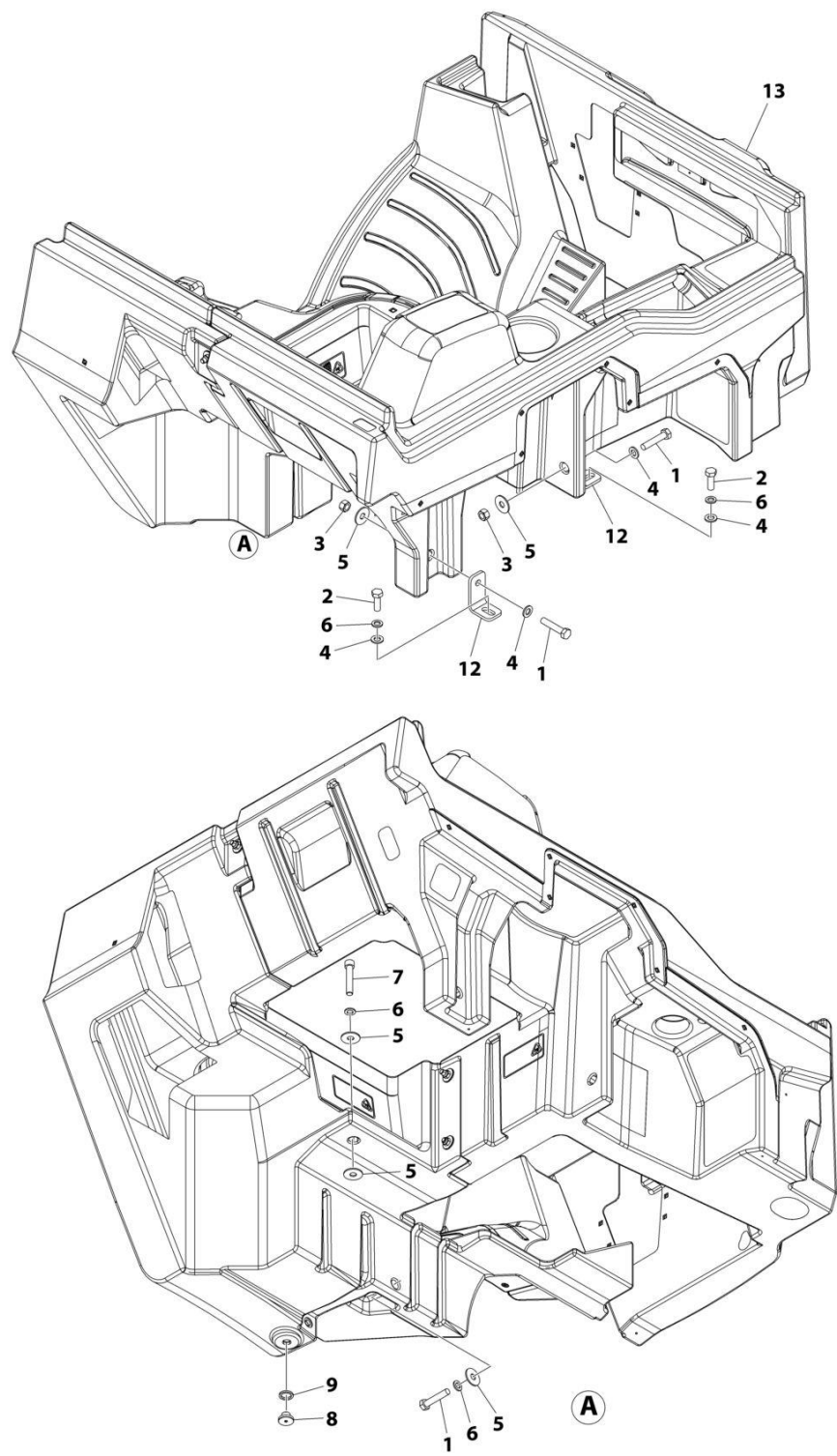
ART_1001309197

FIGURE 5-9. BEACON BRACKET INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001309197	Ref	BEACON BRACKET INSTALLATION	A
1	3290605	2	Nut M6	
2	4811900	4	Washer M8	
3	1001262664	2	Capscrew M8 x 20 Class 10.9	
4	1001308519	1	Bracket	
5	1001264265	2	Washer, Nylon M8	

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FIGURE 5-10. CAB BASE INSTALLATION

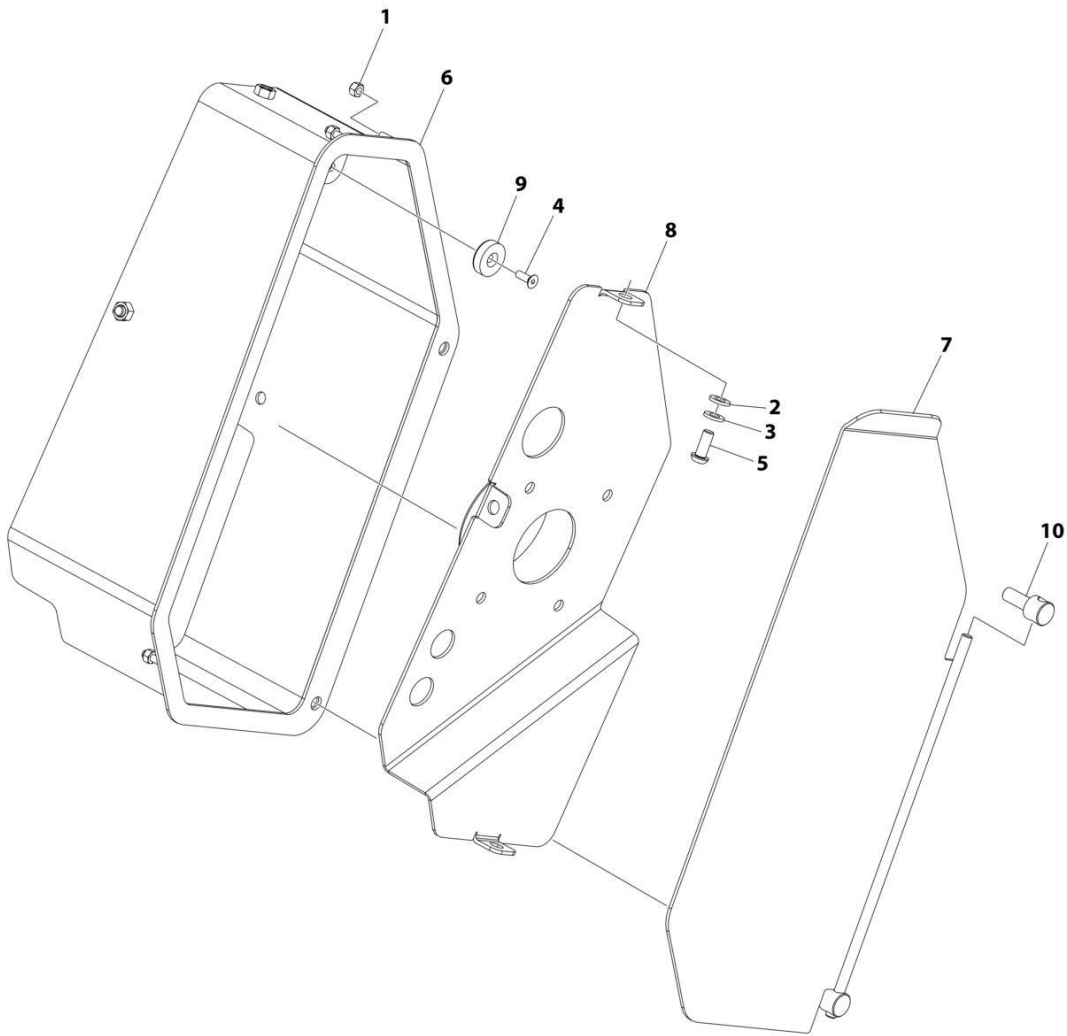


ART_1001308483

FIGURE 5-10. CAB BASE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308483	Ref	CAB BASE INSTALLATION	A
1	0711220	3	Bolt M12 x 60 Class 10.9	
2	0761215	2	Bolt M12 x 35	
3	3291207	2	Nut M12	
4	4812100	4	Washer M12	
5	4812102	5	Washer M12	
6	4832100	4	Washer M12	
7	5272117	1	Bolt M12 x 65 Class 12.9	
8	1001262978	1	Plug	
9	1001262987	1	Seal	
12	1001263996	2	Bracket	
13	1001309350	1	Base, Cab	

FIGURE 5-11. CHARGE BOX INSTALLATION

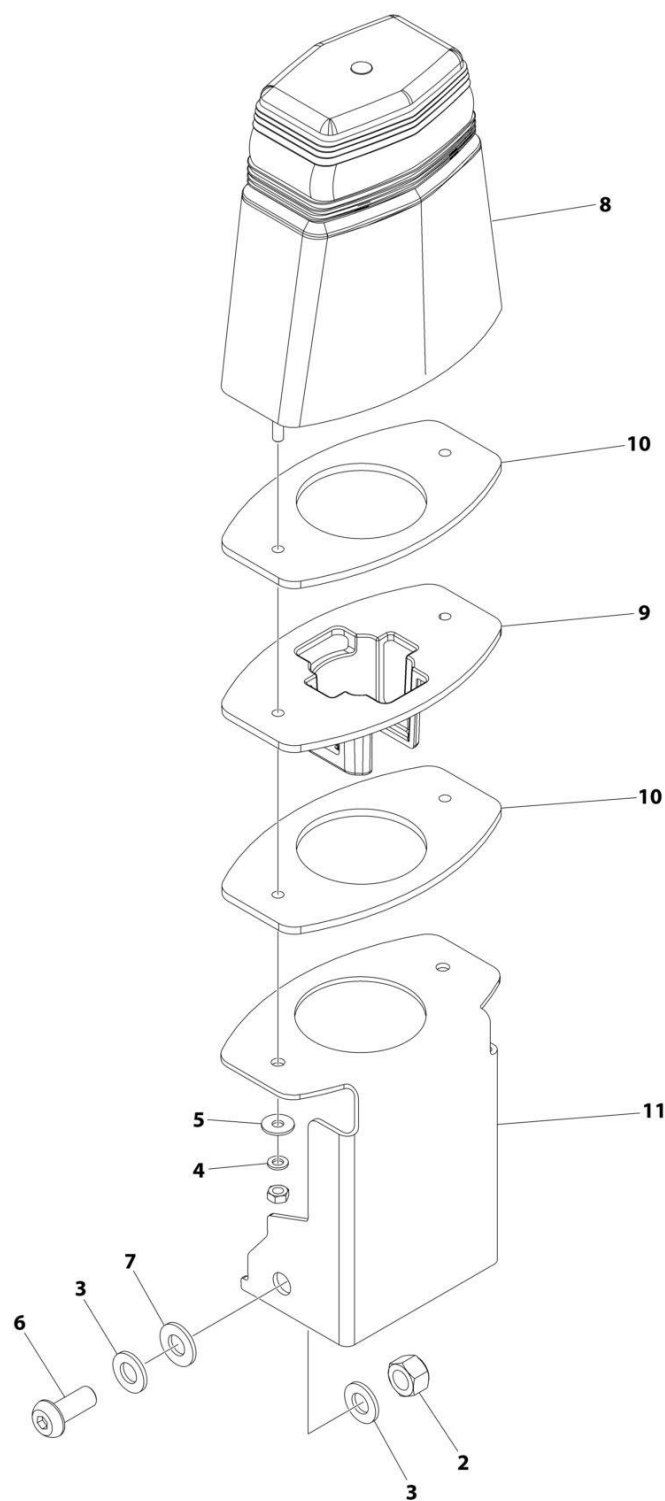


ART_1001308482

FIGURE 5-11. CHARGE BOX INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308482	Ref	CHARGE BOX INSTALLATION	A
1	3290405	5	Nut M4	
2	4811700	3	Washer M6	
3	4831700	3	Washer M6	
4	1001097244	1	Capscrew M4 x 12	
5	1001264021	3	Capscrew M3 x 15 Class 10.9	
6	1001308762	1	Housing	
7	1001308774	1	Cover	
8	1001308785	1	Bracket	
9	1001308794	1	Magnet	
10	1001308800	2	Pivot, Cover	

FIGURE 5-12. CLEARSKY INSTALLATION



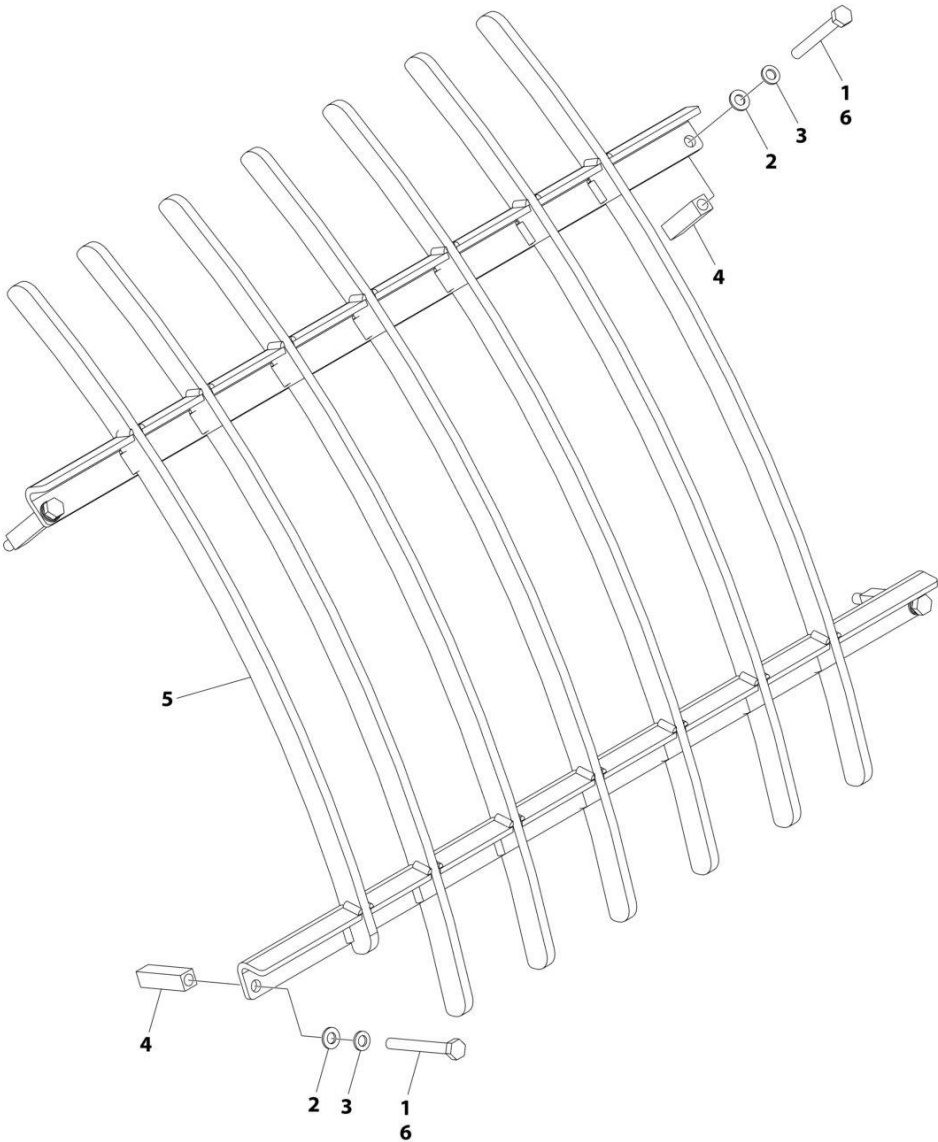
ART_1001306382

FIGURE 5-12. CLEARSKY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306382	Ref	CLEARSKY INSTALLATION	A
2	3290805	2	Nut M8	
3	4811900	4	Washer M8	
4	4831400	2	Washer M4	
5	1001091102	2	Washer M4	
6	1001262664	2	Capscrew M8 x 20 Class 10.9	
7	1001264265	2	Washer, Nylon M8	
8	1001280661	1	Module, ClearSky	
9	1001289648	1	Mount, ClearSky Module	
10	1001291056	2	Gasket	
11	1001306386	1	Bracket	

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FIGURE 5-13. FRONT CAB GUARD INSTALLATION



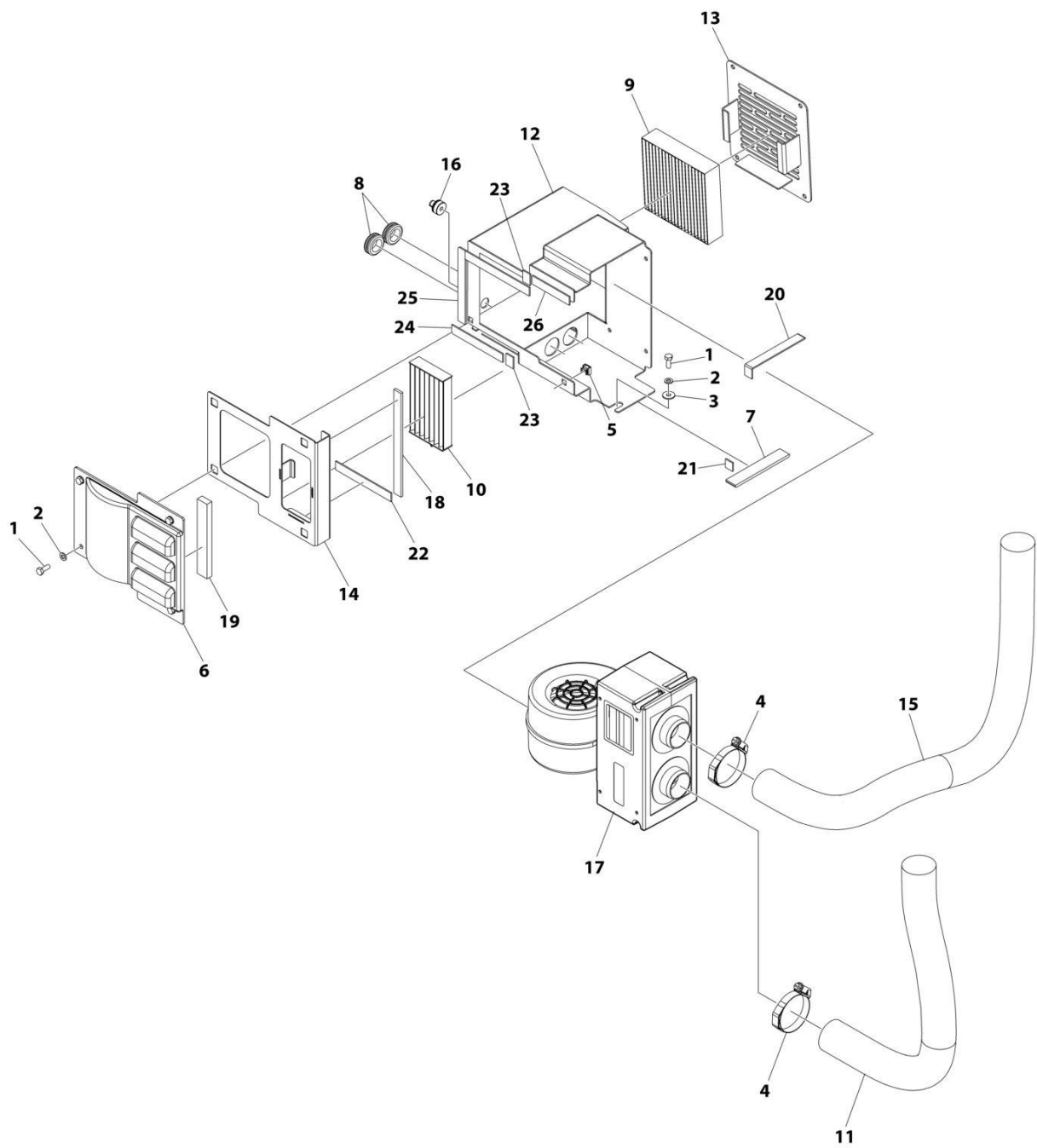
ART_1001262405

FIGURE 5-13. FRONT CAB GUARD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262405	Ref	GUARD INSTALLATION - FRONT CAB	A
1	0701026	4	Bolt M10 x 90	
2	4812000	4	Washer M10	
3	4832000	4	Washer M10	
4	1001262637	4	Shim	
5	1001262638	1	Shield	
6	0100035	AR	Compound Locking	

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FIGURE 5-14. HEATER INSTALLATION

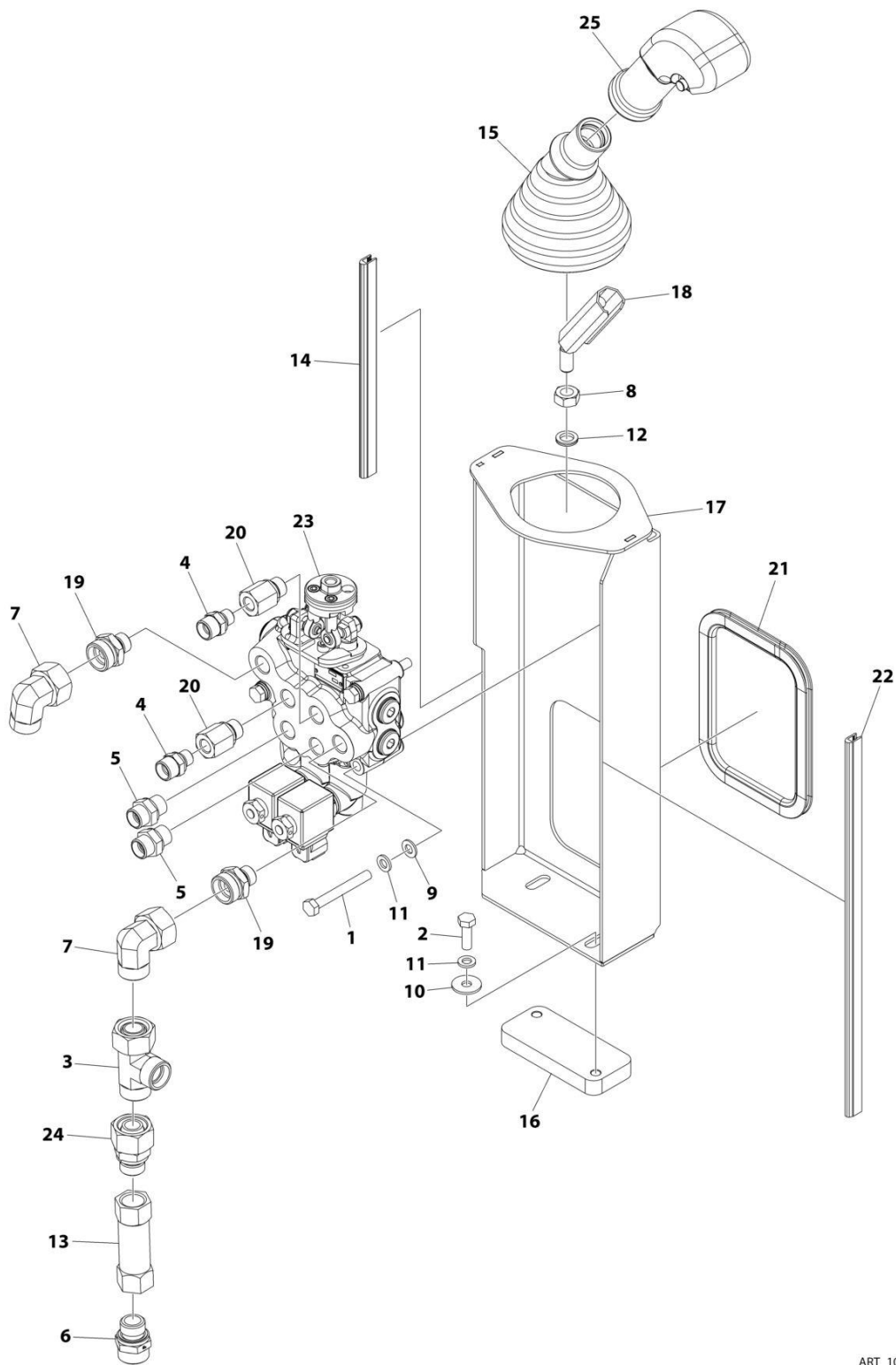


ART_1001308660

FIGURE 5-14. HEATER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308660	Ref	HEATER INSTALLATION	A
1	0760608	6	Bolt M6 x 16	
2	4811700	6	Washer M6	
3	4811702	2	Washer M6	
4	1001215024	2	Clamp, Gear	
5	1001264416	4	Nut M6	
6	1001264492	1	Cover, Heater	
7	1001264510	1	Seal	
8	1001305506	2	Grommet	
9	1001305507	1	Filter - Cab Side	
10	1001305512	1	Filter - Exterior Side	
11	1001305514	1	Tube	
12	1001305515	1	Housing, Heater	
13	1001305516	1	Grate, Cab Heater	
14	1001305567	1	Bracket	
15	1001307469	1	Tube	
16	1001309238	1	Plug	
17	1001309239	1	Heater, Cab	
18	1001309261	1	Seal	
19	1001309262	1	Seal	
20	1001309263	1	Seal	
21	1001309264	1	Seal	
22	1001309265	1	Seal	
23	1001309266	2	Seal	
24	1001309267	1	Seal	
25	1001309268	2	Seal	
26	1001309269	1	Seal	

FIGURE 5-15. JOYSTICK INSTALLATION



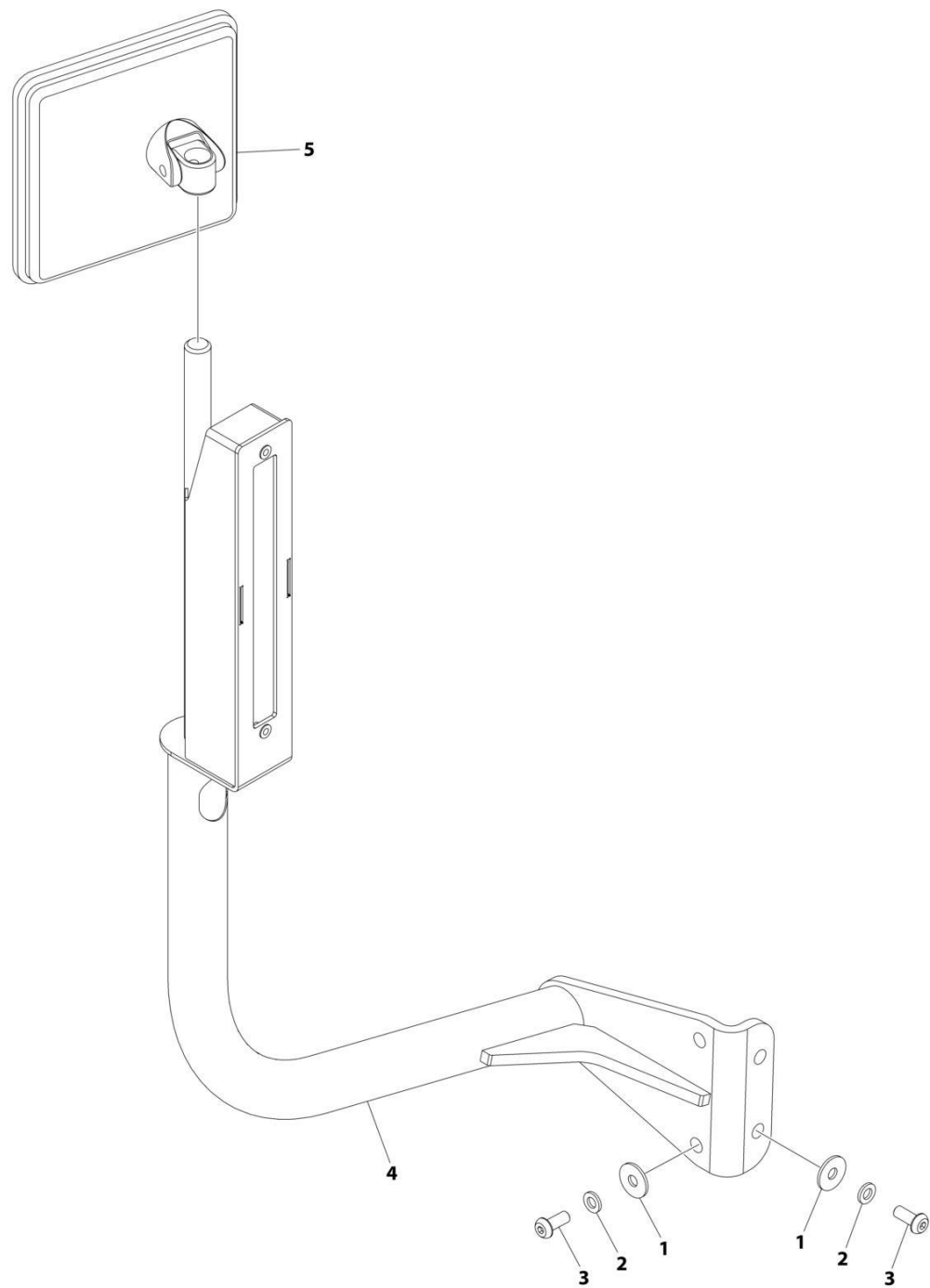
ART_1001306849

FIGURE 5-15. JOYSTICK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306849	Ref	JOYSTICK INSTALLATION	A
1	0700821	3	Bolt M8 x 65	
2	0760812	2	Bolt M8 x 25	
3	2142206	1	Fitting, Tee	
4	2142711	2	Fitting, Straight	
5	2142712	2	Fitting, Straight	
6	2142716	1	Fitting, Straight	
7	2143406	2	Fitting, 90	
8	3291001	1	Nut M10	
9	4811900	3	Washer M8	
10	4811902	2	Washer M8	
11	4831900	5	Washer M8	
12	1001261551	1	Washer M10	
13	1001262957	1	Valve, Check	
14	1001262969	1	Seal	
15	1001262972	1	Boot, Joystick	
16	1001262973	1	Plate	
17	1001262974	1	Mount, Joystick	
18	1001262975	1	Actuator, Joystick	
19	1001263143	2	Fitting, Straight	
20	1001263572	2	Fitting, Straight	
21	1001264080	1	Seal	
22	1001264081	1	Seal	
23	1001302428	1	Valve, Joystick Control	
24	1001306164	1	Fitting, Straight	
25	1001307326	1	Joystick Assembly (See Separate Breakdown in CONTROLS Section)	

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FIGURE 5-16. MIRROR INSTALLATION - CAB RIGHT SIDE



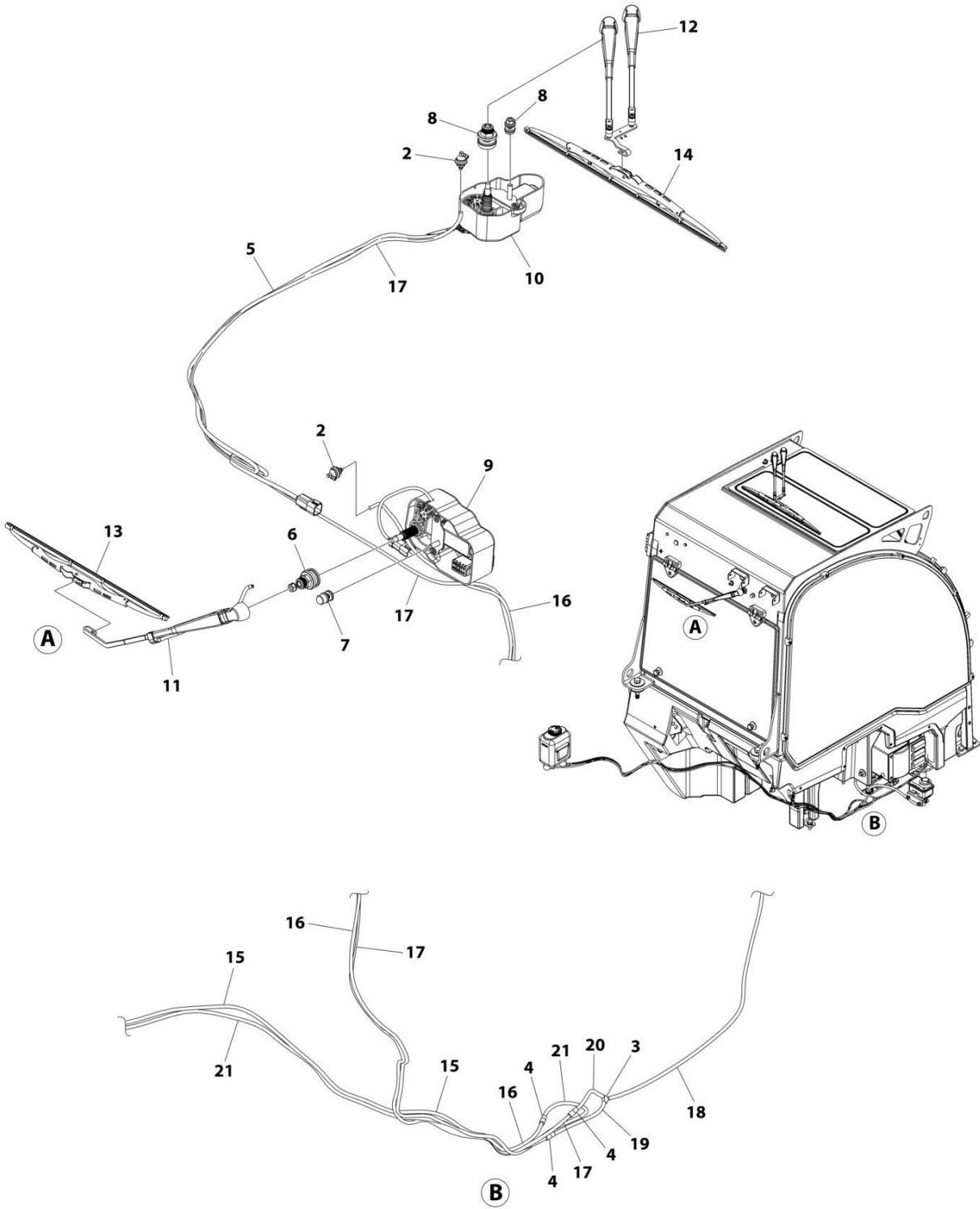
ART_1001308674

FIGURE 5-16. MIRROR INSTALLATION - CAB RIGHT SIDE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308674	Ref	MIRROR INSTALLATION	A
1	4811902	4	Washer M8	
2	4831900	4	Washer M8	
3	1001262664	4	Capscrew M8 x 20 Class 10.9	
4	1001309463	1	Bracket, Mirror	
5	1001309464	1	Mirror	

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FIGURE 5-17. ROOF & REAR WIPERS INSTALLATION



ART_1001307901

FIGURE 5-17. ROOF & REAR WIPERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307901	Ref	ROOF & REAR WIPERS INSTALLATION	A
1	1001262961	AR	Tie-Strap (Not Shown)	
2	1001265303	2	Fitting, 90	
3	1001265304	1	Fitting, Y	
4	1001265305	3	Valve, Hose Check	
5	1001265306	1	Roof Wiper Harness (See Separate Breakdown in ELECTRICAL Section)	
6	1001309564	1	Kit, Hardware - Rear Wiper Arm (No Service Parts Available)	
7	1001309565	1	Kit, Stud Cap - Rear Wiper Motor (No Service Parts Available)	
8	1001309566	1	Kit, Hardware - Roof Wiper Arm (No Service Parts Available)	
9	1001309567	1	Motor, Rear Wiper	
9		Ref	Connector	
9	1001116693	4	Pin	
10	1001309568	1	Motor, Roof Wiper	
10		Ref	Connector	
10	1001116693	5	Pin	
10	4460466	1	Plug	
11	1001309569	1	Arm, Rear Wiper	
12	1001309570	1	Arm, Roof Wiper	
13	1001309571	1	Blade, Rear Wiper	
14	1001309572	1	Blade, Roof Wiper	
15	1001309730	1	Hose (Washer Fluid Tank to Windshield & Roof Wipers)	
16	1001309731	1	Hose (to Rear Wiper)	
17	1001309732	1	Hose (to Roof Wiper)	
18	1001309733	1	Hose (to Windshield Wiper)	
19	1001309734	1	Hose (to Windshield & Roof Wiper Hose)	
20	1001309735	1	Hose (to Rear Wiper Hose)	
21	1001309736	1	Hose (Washer Fluid Tank to Rear Wiper)	

FIGURE 5-18. SEAT INSTALLATION

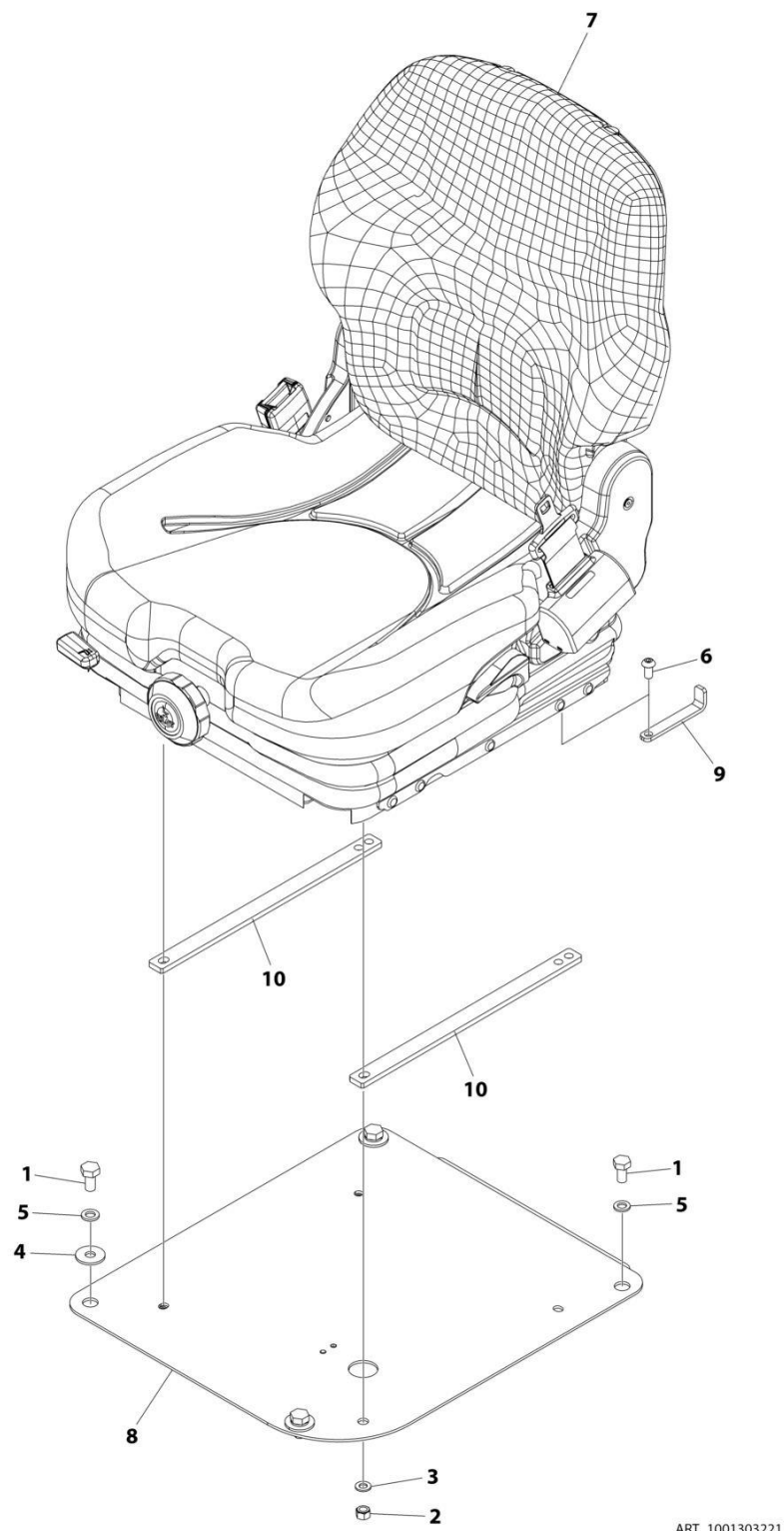
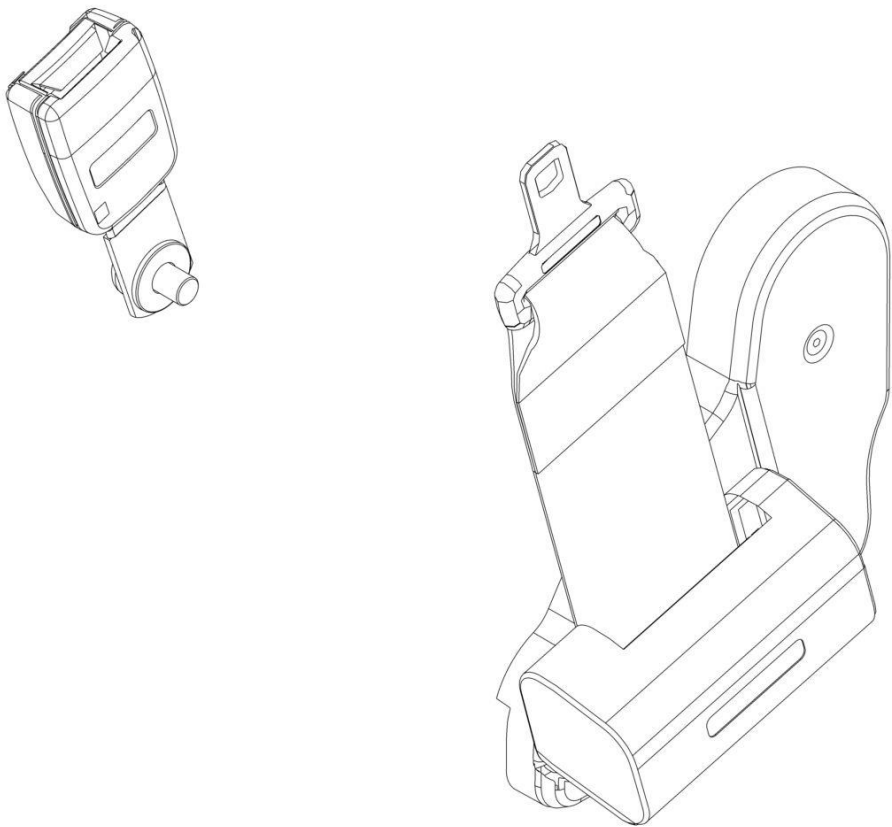


FIGURE 5-18. SEAT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303221	Ref	SEAT INSTALLATION	A
1	0761010	4	Bolt M10 x 20	
2	3290805	4	Nut M8	
3	4811900	4	Washer M8	
4	4812002	3	Washer M10	
5	4832000	4	Washer M10	
6	1001262289	1	Capscrew M8 x 15	
7	1001299209	1	Seat (Includes Item 101)	
8	1001299292	1	Plate	
9	1001299295	1	Bracket	
10	1001299300	2	Bar	
101	70031659	1	Belt, Seat - 2 Inch Belt (Includes Sensor)	

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FIGURE 5-19. SEAT BELT ASSEMBLY - 3 INCH BELT



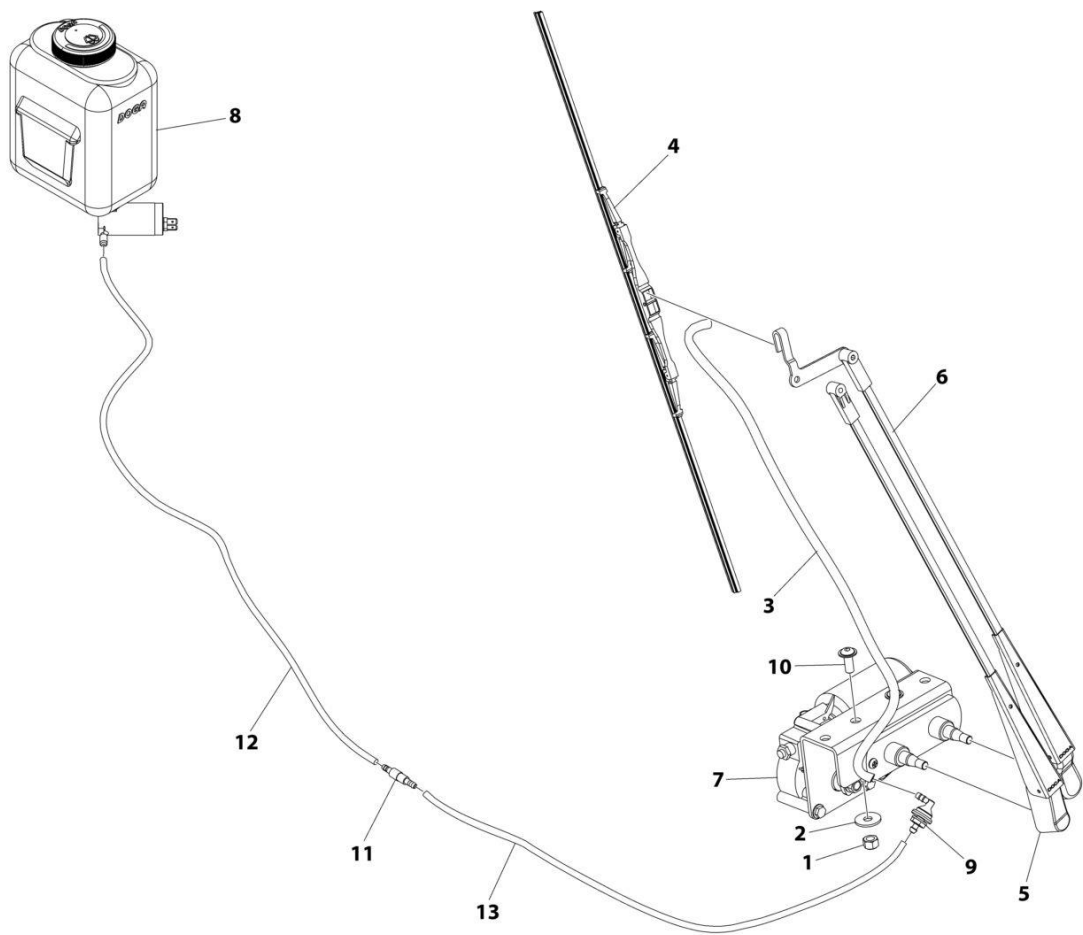
ART_1001310753

FIGURE 5-19. SEAT BELT ASSEMBLY - 3 INCH BELT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001310753	Ref	SEAT BELT ASSEMBLY	A
	See Note	Ref	Note: No Service Parts Available, Purchase Complete Assembly	

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FIGURE 5-20. WINDSHIELD WIPER INSTALLATION



ART_1001308678

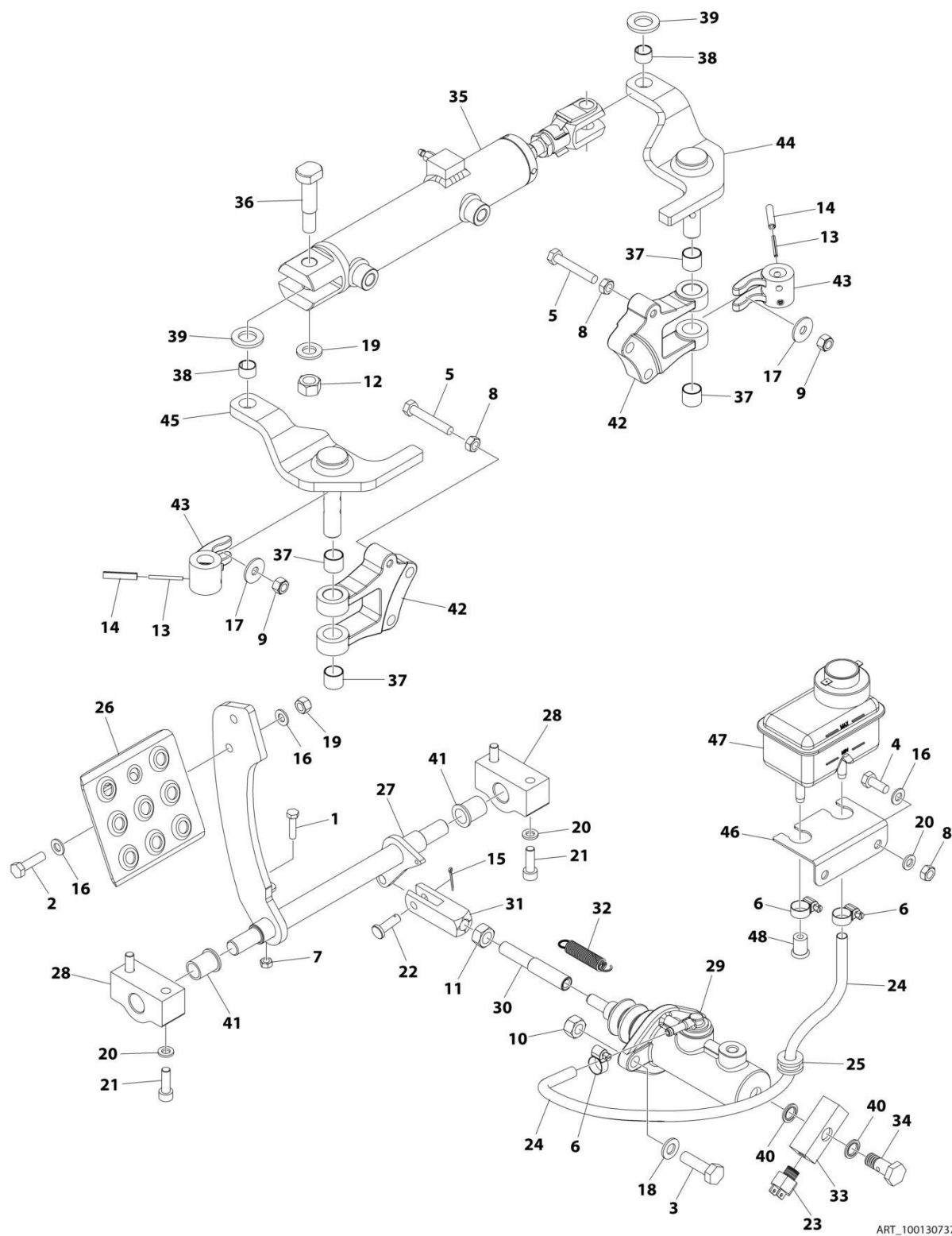
FIGURE 5-20. WINDSHIELD WIPER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308678	Ref	WINDSHIELD WIPER INSTALLATION	A
1	3290805	2	Nut M8	
2	4811902	2	Washer M8	
3	1001264485	1	Hose	
4	1001264494	1	Blade, Wiper	
5	1001264500	1	Linkage, Right Wiper	
6	1001264501	1	Linkage, Left Wiper	
7	1001264505	1	Motor, Wiper	
8	1001264508	1	Tank, Washer Fluid	
9	1001264521	1	Fitting	
10	1001264711	2	Capscrew M8 x 20	
11	1001265305	1	Valve, Check	
12	1001309357	1	Hose	
13	1001309358	1	Hose	

SECTION 6 - CONTROLS

SECTION 6 - CONTROLS

FIGURE 6-1. BRAKE SYSTEM INSTALLATION



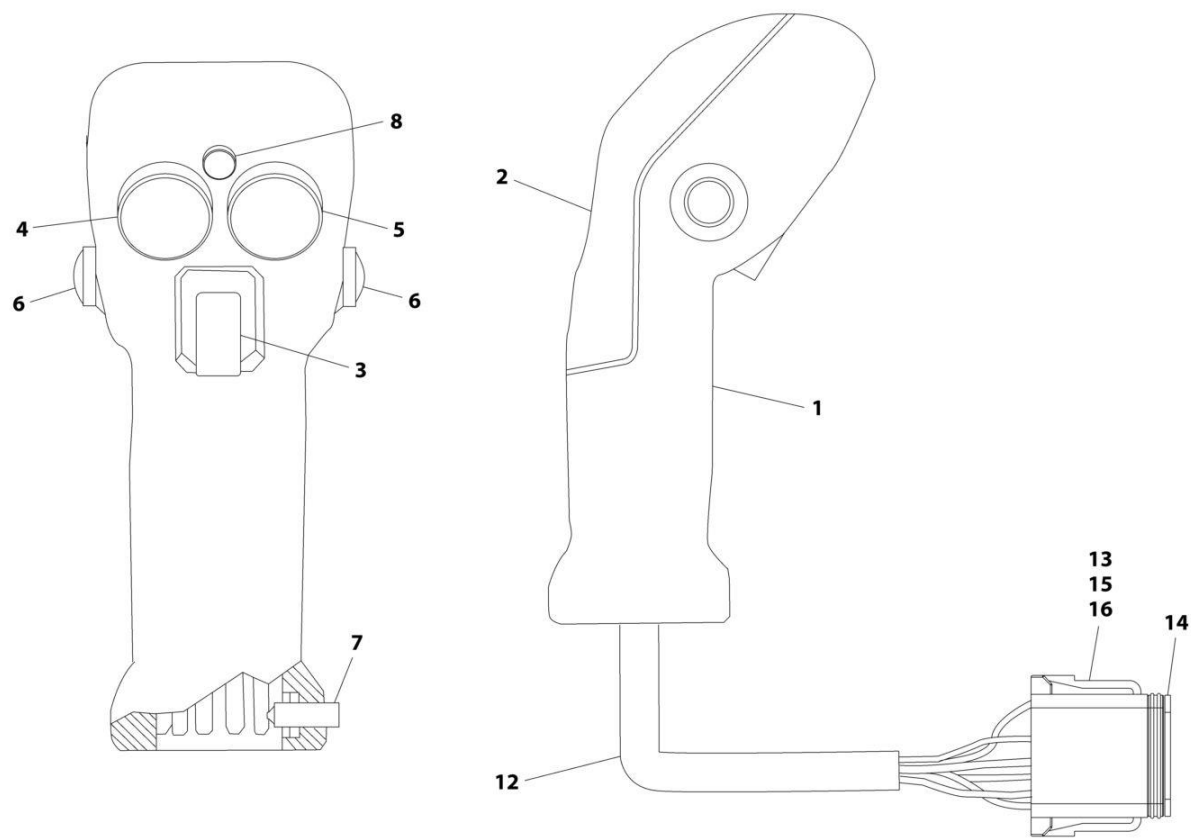
SECTION 6 - CONTROLS

FIGURE 6-1. BRAKE SYSTEM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307379	Ref	BRAKE SYSTEM INSTALLATION	A
1	0700612	1	Bolt M6 x 25	
2	0700814	2	Bolt M8 x 30	
3	0701015	2	Bolt M10 x 35	
4	0760810	2	Bolt M8 x 20	
5	0760818	2	Bolt M8 x 50	
6	1320022	3	Clamp, Hose	
7	3290601	1	Nut M6	
8	3290801	4	Nut M8	
9	3290805	4	Nut M8	
10	3291005	2	Nut M10	
11	3291201	1	Nut M12	
12	3291207	1	Nut M12	
13	3440420	4	Pin, Roll - 1/8	
14	3440820	4	Pin, Roll - 1/4	
15	3450203	1	Pin, Cotter	
16	4811900	6	Washer M8	
17	4811902	2	Washer M8	
18	4812000	2	Washer M10	
19	4812100	1	Washer M12	
20	4831900	6	Washer M8	
21	5271809	4	Capscrew M8 x 25	
22	1001262675	1	Pin	
23	1001262684	1	Sensor, Brake Pressure	
24	1001262688	1	Hose, Brake	
25	1001264529	1	Grommet	
26	1001303452	1	Pedal, Brake	
27	1001303466	1	Lever, Brake	
28	1001303494	2	Block, Mounting	
29	1001303495	1	Cylinder, Brake Master (No Service Parts Available)	
30	1001303496	1	Rod	
31	1001303514	1	Clevis	
32	1001303521	1	Spring	
33	1001303608	1	Block, Fitting	
34	1001303610	1	Bolt M12 x 1	
35	1001303611	1	Cylinder, Brake	
36	1001303614	1	Bolt M25 x 70	
37	1001303634	4	Bushing - 18MM Diameter	
38	1001303637	2	Bushing - 16MM Diameter	
39	1001305592	2	Washer M17	
40	1001305595	2	Seal M12	
41	1001305601	2	Bushing	
42	1001305612	2	Support, Brake Arm	
43	1001305660	2	Support, Brake Mount	
44	1001305666	1	Mount, Right Brake	
45	1001305674	1	Mount, Left Brake	
46	1001307383	1	Bracket	
47	1001307384	1	Reservoir, Brake Fluid	
48	1001308324	1	Plug	

SECTION 6 - CONTROLS

FIGURE 6-2. JOYSTICK ASSEMBLY



ART_1001307326

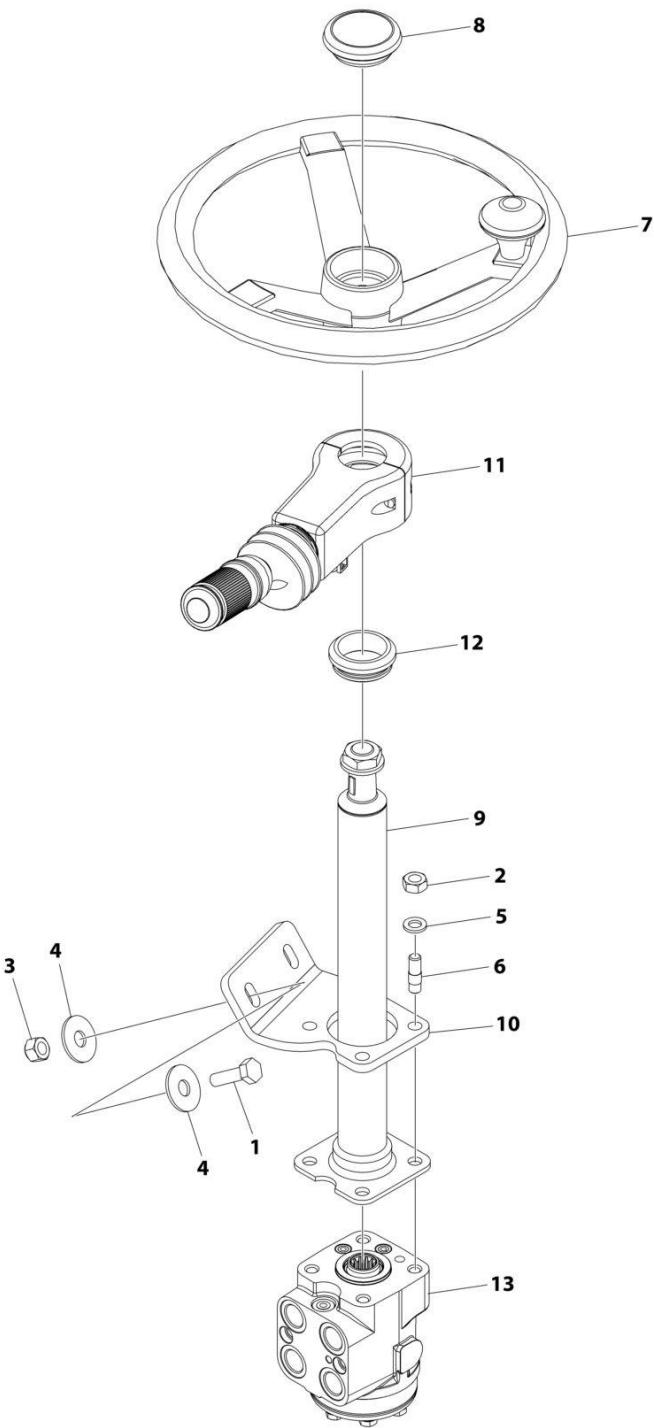
SECTION 6 - CONTROLS

FIGURE 6-2. JOYSTICK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307326	Ref	JOYSTICK ASSEMBLY	A
1	70031537	1	Handle	
2	70031538	1	Backshell	
3	70031539	1	Switch	
4	70031540	1	Button	
5	70031541	1	Button	
6	70031542	2	Button	
7	70031543	1	Pin	
8	70031544	1	Button	
9	70031545	1	Module, Control (Not Shown - Located Inside Handle) (Note: Re-calibration required when replaced)	
12	70031546	1	Harness, Joystick	
13	70031547	1	Connector	
14	70031548	1	Faceplate	
15	70031549	11	Terminal	
16	70031550	1	Plug	

SECTION 6 - CONTROLS

FIGURE 6-3. STEERING INSTALLATION



ART_1001302209

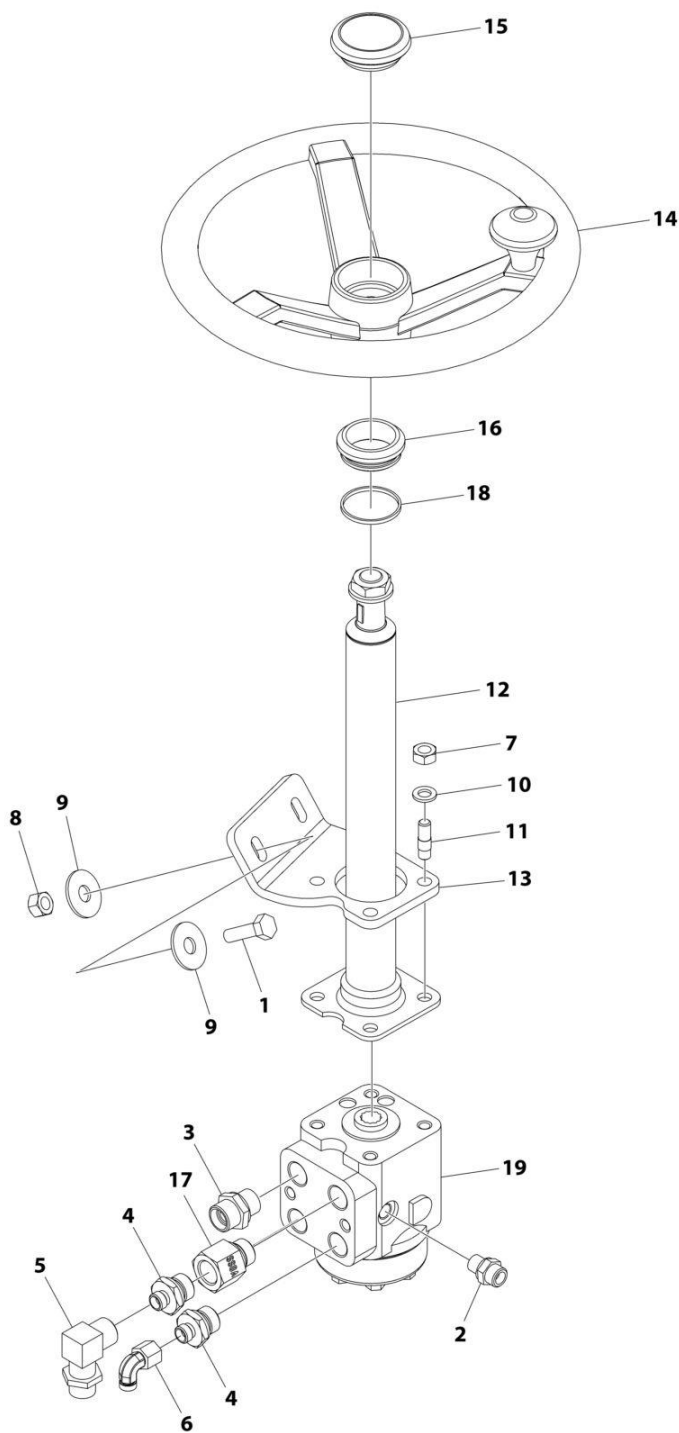
SECTION 6 - CONTROLS

FIGURE 6-3. STEERING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001302209	Ref	STEERING INSTALLATION	A
1	0701015	2	Bolt M10 x 35	
2	3291001	4	Nut M10	
3	3291005	2	Nut M10	
4	4812102	4	Washer M12	
5	4832000	4	Washer M10	
6	1001262669	4	Stud	
7	1001262673	1	Wheel, Steering	
7	70031360	1	Knob, Steer	
8	1001262674	1	Button, Horn	
9	1001262670	1	Column, Steering	
10	1001262671	1	Bracket	
11	1001264404	1	Lever, Forward Neutral Reverse	
12	1001302207	1	Grommet	
13	1001302208	1	Valve, Steering	
13	80334588	1	Kit, Seal	

SECTION 6 - CONTROLS

FIGURE 6-4. STEERING INSTALLATION (HIGH FLOW)



ART_1001311715

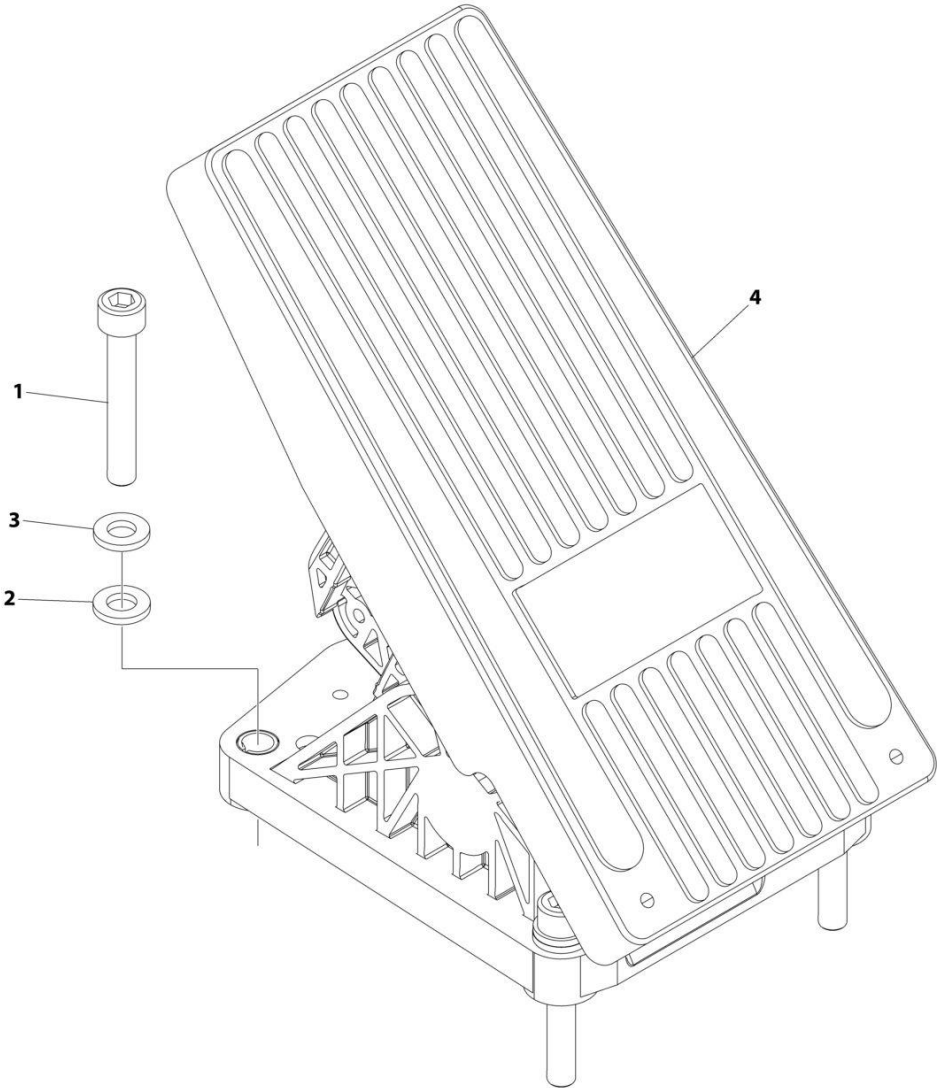
SECTION 6 - CONTROLS

FIGURE 6-4. STEERING INSTALLATION (HIGH FLOW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001311715	Ref	STEERING INSTALLATION (HIGH FLOW)	A
1	0701015	2	Bolt M10 x 35	
2	2142706	1	Fitting, Straight	
3	2142715	1	Fitting, Straight	
4	2142743	2	Fitting, Straight	
5	2143007	1	Fitting, 90	
6	2143402	1	Fitting, 90	
7	3291001	4	Nut M10	
8	3291005	2	Nut M10	
9	4812102	4	Washer M12	
10	4832000	4	Washer M10	
11	1001262669	4	Stud	
12	1001262670	1	Column, Steering	
13	1001262671	1	Bracket	
14	1001262673	1	Wheel, Steering	
15	1001262674	1	Button, Horn	
16	1001302207	1	Grommet	
17	1001302511	1	Fitting, Straight	
18	1001304017	1	O-Ring	
19	1001311683	1	Valve, Steering	

SECTION 6 - CONTROLS

FIGURE 6-5. THROTTLE PEDAL INSTALLATION



ART_1001308481

SECTION 6 - CONTROLS

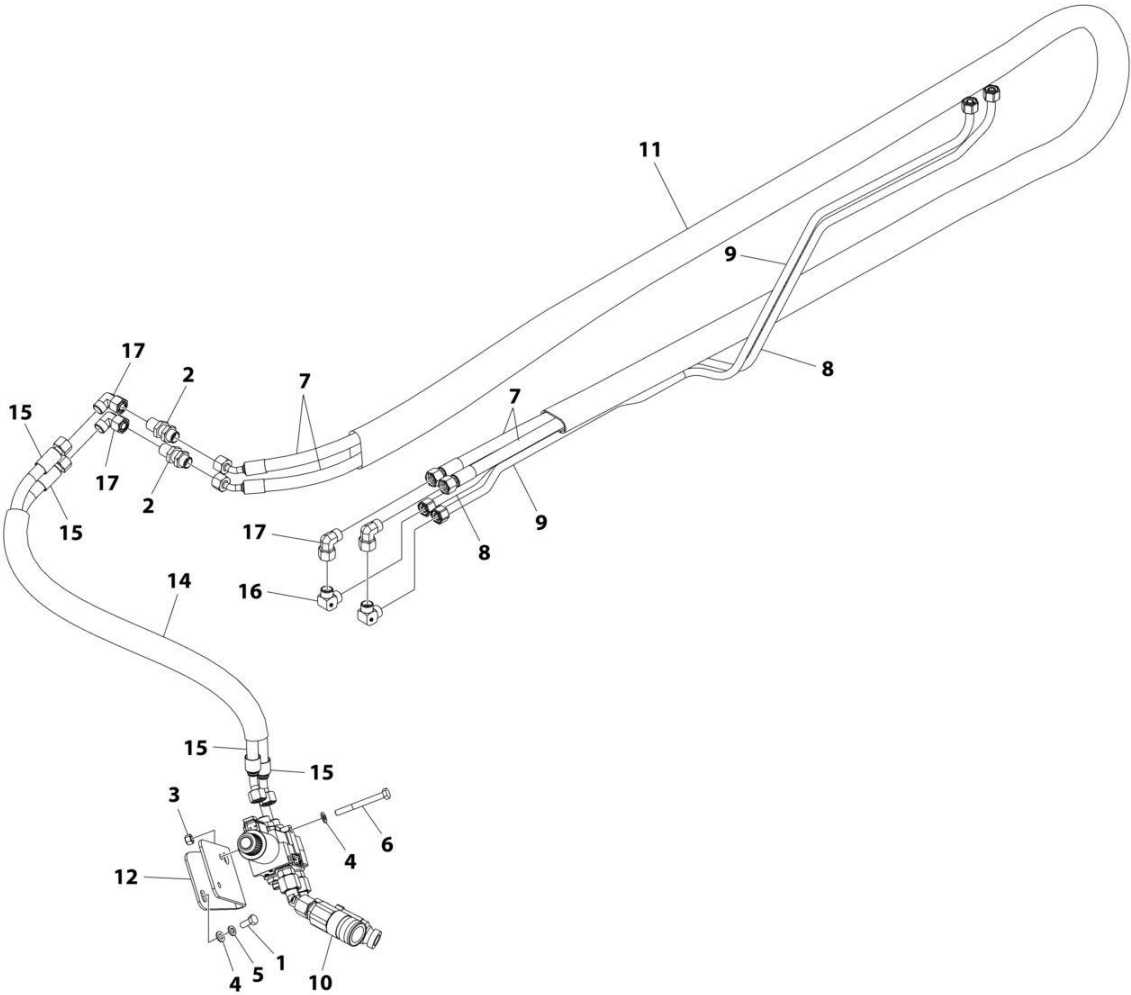
FIGURE 6-5. THROTTLE PEDAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308481	Ref	THROTTLE PEDAL INSTALLATION	A
1	4031712	4	Capscrew M6 x 40	
2	4811700	4	Washer M6	
3	4831700	4	Washer M6	
4	1001308571	1	Pedal, Throttle	

SECTION 7 - HYDRAULIC CIRCUITS

SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-1. AUXILIARY HYDRAULICS INSTALLATION - HYDRAULIC COUPLER



ART_1001307909

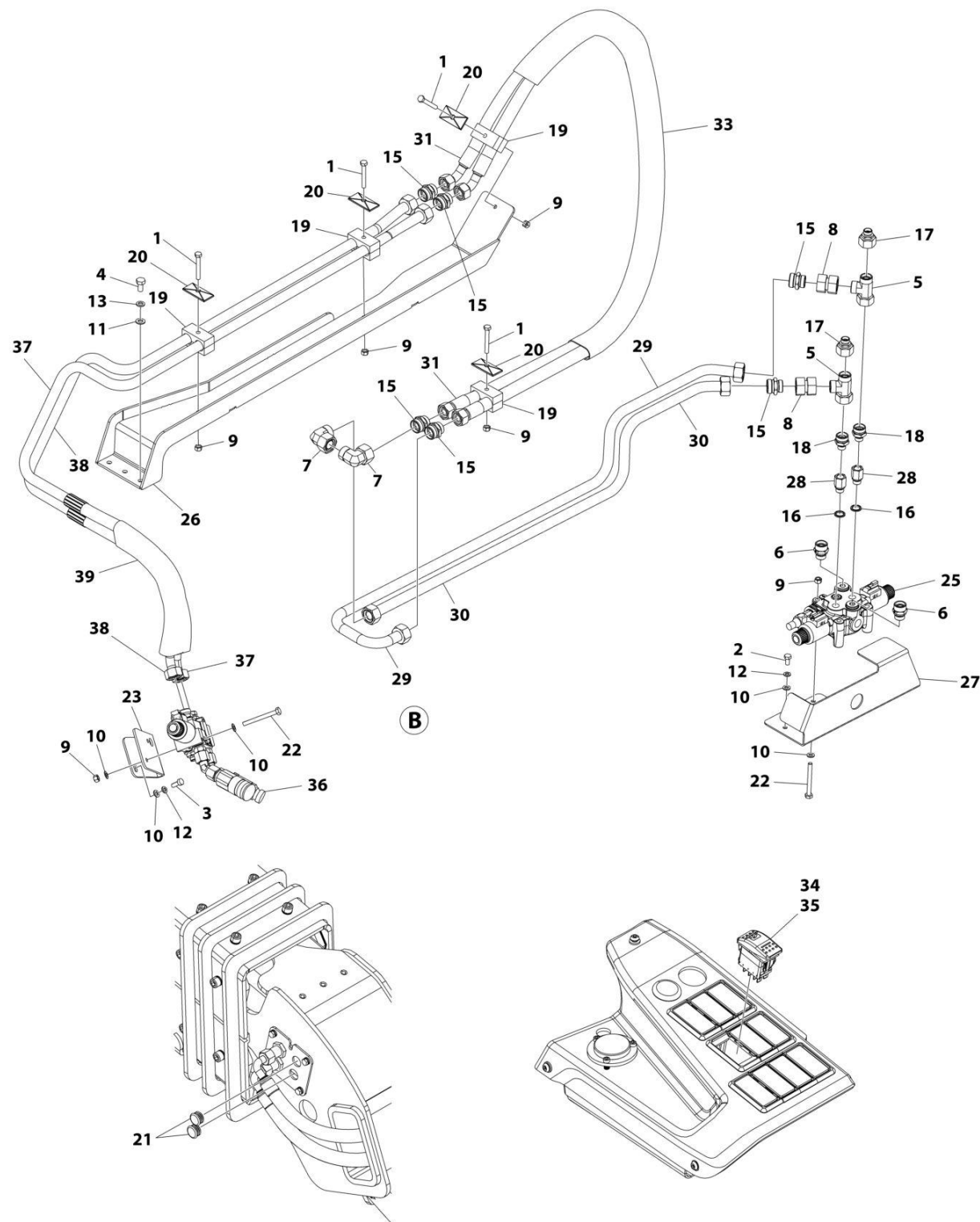
SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-1. AUXILIARY HYDRAULICS INSTALLATION - HYDRAULIC COUPLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307909	Ref	AUXILIARY HYDRAULICS INSTALLATION (HYDRAULIC COUPLER)	B
1	0760810	2	Bolt M8 x 20	
2	2141504	2	Fitting, Straight	
3	3290805	2	Nut M8	
4	4811900	4	Washer M8	
5	4831900	2	Washer M8	
6	1001264533	2	Bolt M8 x 80	
7	1001301927	1	Hose	
8	1001301998	1	Pipe, Auxiliary Hydraulics	
9	1001301999	1	Pipe, Auxiliary Hydraulics	
10	1001304456	1	Valve, Hydraulic Coupler	
11	1001304460	1	Sleeve	
12	1001304736	1	Bracket	
13	1001304892	1	Harness, Hydraulic Coupler (Not Shown)	
14	1001311387	1	Sleeve	
15	1001305482	2	Hose	
16	2141809	2	Fitting, 90	
17	2143404	4	Fitting, 90	

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FIGURE 7-2. AUXILIARY HYDRAULICS INSTALLATION - HYDRAULIC COUPLER (HIGH FLOW)



ART_1001307908

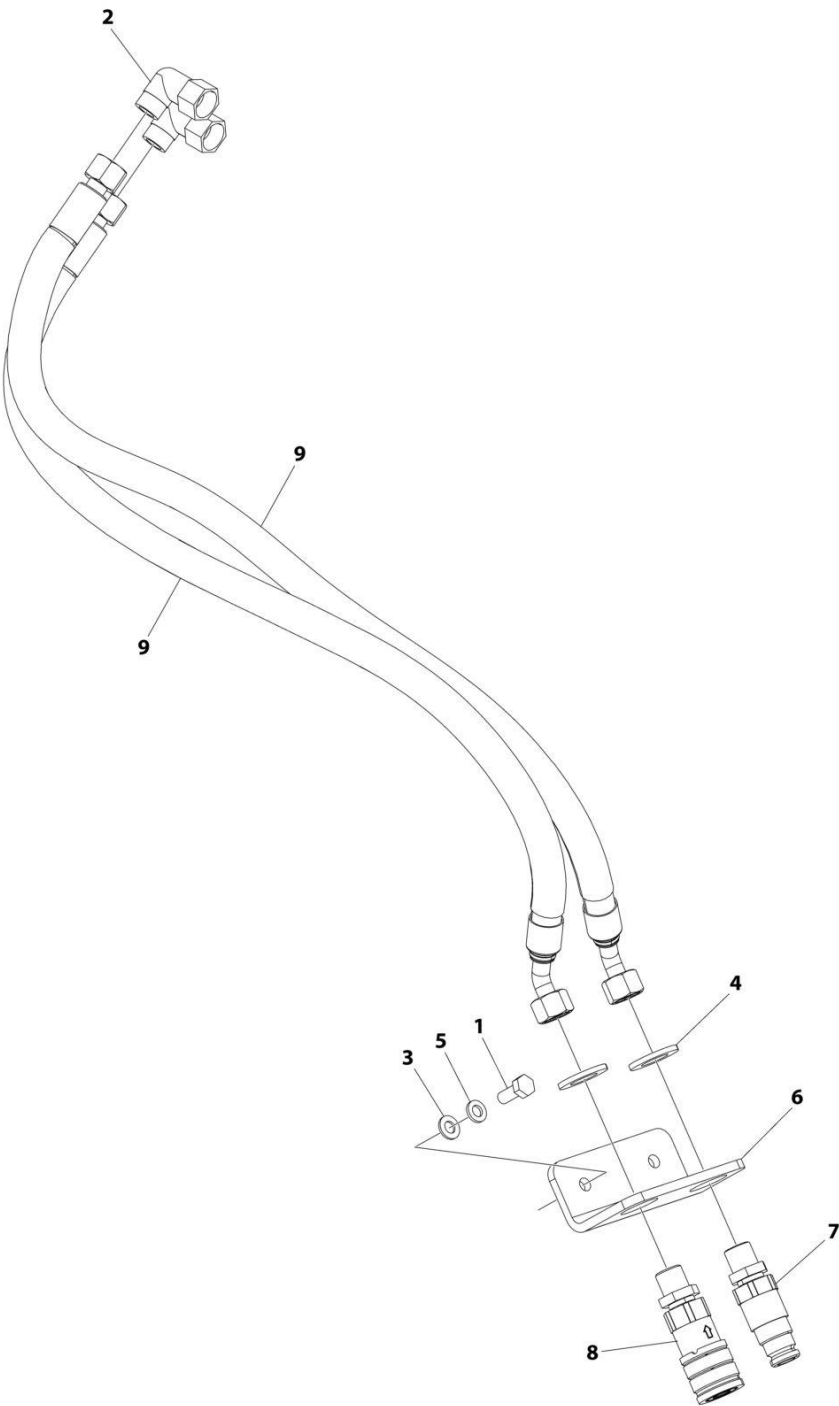
SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-2. AUXILIARY HYDRAULICS INSTALLATION - HYDRAULIC COUPLER (HIGH FLOW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307908	Ref	AUXILIARY HYDRAULICS INSTALLATION (HYDRAULIC COUPLER) (HIGH FLOW)	B
1	0700820	4	Bolt M8 x 60	
2	0760808	2	Bolt M8 x 16	
3	0760810	2	Bolt M8 x 20	
4	0761010	3	Bolt M10 x 20	
5	2142206	2	Fitting, Tee	
6	2142716	2	Fitting, Straight	
7	2143407	2	Fitting, 90	
8	2143607	2	Fitting, Straight	
9	3290805	9	Nut M8	
10	4811900	11	Washer M8	
11	4812000	3	Washer M10	
12	4831900	4	Washer M8	
13	4832000	3	Washer M10	
14	1001262961	2	Tie-Strap (Not Shown)	
15	1001263110	6	Fitting, Straight	
16	1001263139	2	Seal	
17	1001263141	2	Fitting, Straight	
18	1001263143	2	Fitting, Straight	
19	1001263184	4	Clamp	
20	1001263185	4	Cap, Clamp	
21	1001264006	2	Plug	
22	1001264533	5	Bolt M8 x 80	
23	1001304736	1	Bracket	
24	1001304892	1	Harness, Hydraulic Coupler (Not Shown)	
25	1001307979	1	Valve, Distributor	
26	1001307980	1	Support	
27	1001308082	1	Bracket	
28	1001308083	2	Fitting, Straight	
29	1001308142	1	Pipe	
30	1001308144	1	Pipe	
31	1001308146	2	Hose	
32	1001308150	1	Harness, Jumper (Not Shown)	
33	1001308151	1	Sleeve	
34	1001311737	1	Switch	
35	1001311738	1	Switch	
36	1001311884	1	Valve, Hydraulic Coupler	
37	1001308140	1	Pipe	
38	1001308141	1	Pipe	
39	1001308152	1	Sleeve	

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FIGURE 7-3. AUXILIARY HYDRAULICS INSTALLATION - MANUAL COUPLER



ART_1001301813

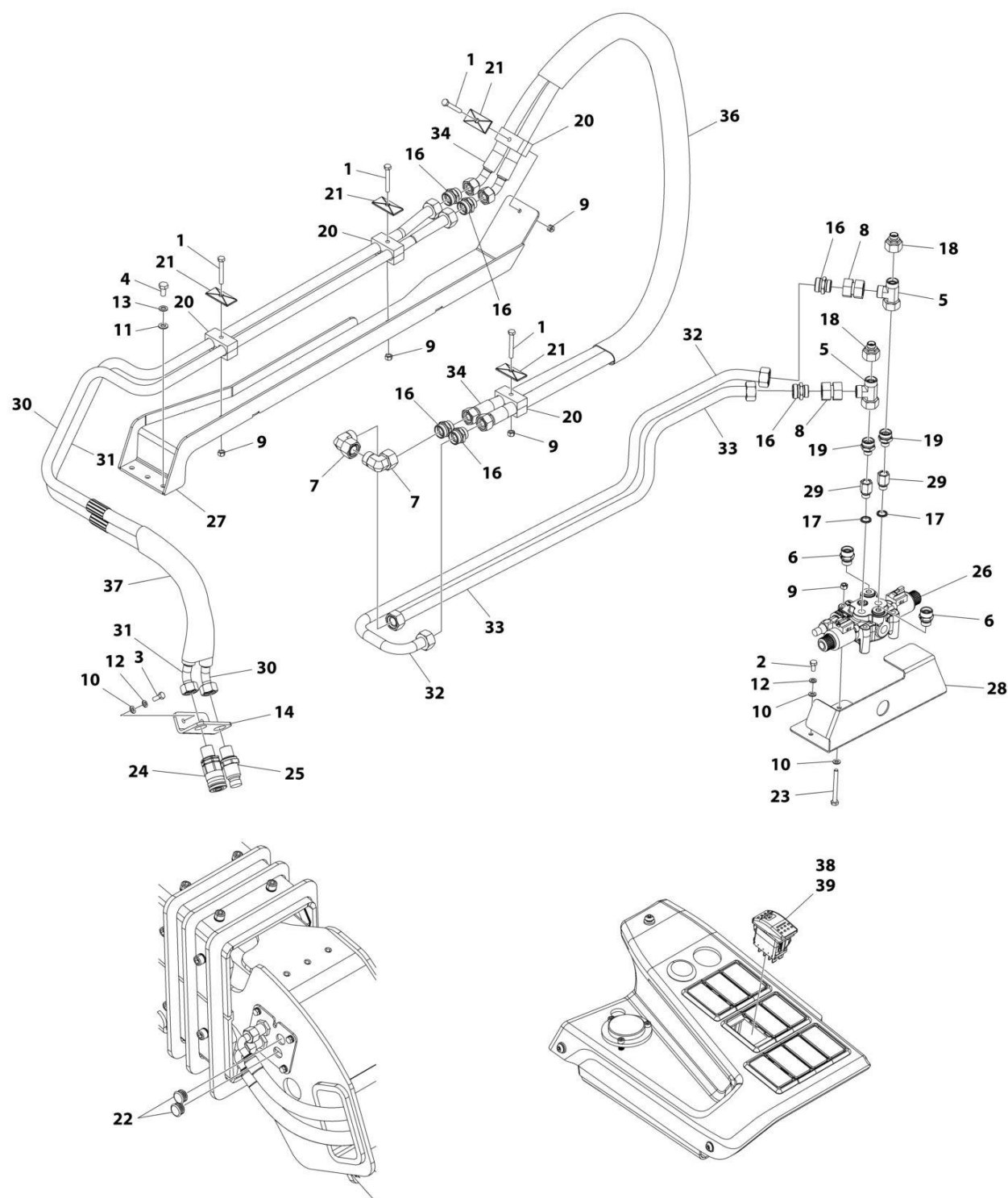
SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-3. AUXILIARY HYDRAULICS INSTALLATION - MANUAL COUPLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301813	Ref	AUXILIARY HYDRAULICS INSTALLATION	A
1	0760810	2	Bolt M8 x 20	
2	2143404	2	Fitting, 90	
3	4811900	2	Washer M8	
4	4812400	2	Washer M18	
5	4831900	2	Washer M8	
6	1001262037	1	Bracket	
7	1001263186	1	Coupling, Male Quick Disconnect	
8	1001263187	1	Coupling, Female Quick Disconnect	
9	1001305482	2	Hose	

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FIGURE 7-4. AUXILIARY HYDRAULICS INSTALLATION - MANUAL COUPLER (HIGH FLOW)



ART_1001301814

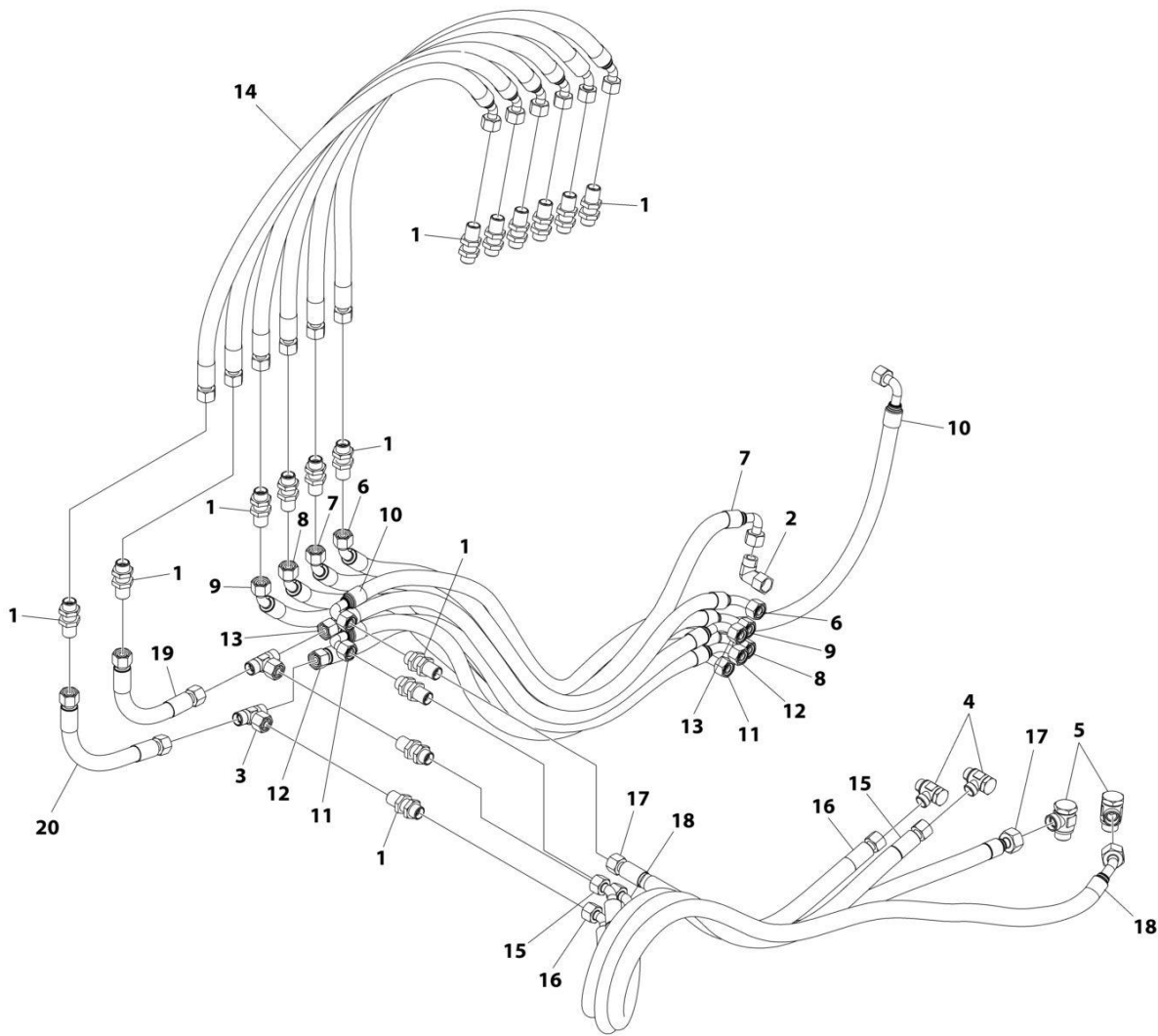
SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-4. AUXILIARY HYDRAULICS INSTALLATION - MANUAL COUPLER (HIGH FLOW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301814	Ref	AUXILIARY HYDRAULICS INSTALLATION (MANUAL COUPLER) (HIGH FLOW)	A
1	0700820	4	Bolt M8 x 60	
2	0760808	2	Bolt M8 x 16	
3	0760810	2	Bolt M8 x 20	
4	0761010	3	Bolt M10 x 20	
5	2142206	2	Fitting, Tee	
6	2142716	2	Fitting, Straight	
7	2143407	2	Fitting, 90	
8	2143607	2	Fitting, Straight	
9	3290805	7	Nut M8	
10	4811900	7	Washer M8	
11	4812000	3	Washer M10	
12	4831900	4	Washer M8	
13	4832000	3	Washer M10	
14	1001262037	1	Bracket	
15	1001262961	2	Tie-Strap (Not Shown)	
16	1001263110	6	Fitting, Straight	
17	1001263139	2	Seal	
18	1001263141	2	Fitting, Straight	
19	1001263143	2	Fitting, Straight	
20	1001263184	4	Clamp	
21	1001263185	4	Cap, Clamp	
22	1001264006	2	Plug	
23	1001264533	3	Bolt M8 x 80	
24	1001307977	1	Fitting, Straight	
25	1001307978	1	Fitting, Straight	
26	1001307979	1	Valve, Distributor	
27	1001307980	1	Support	
28	1001308082	1	Bracket	
29	1001308083	2	Fitting, Straight	
30	1001308140	1	Pipe	
31	1001308141	1	Pipe	
32	1001308142	1	Pipe	
33	1001308144	1	Pipe	
34	1001308146	2	Hose	
35	1001308150	1	Harness, Jumper (Not Shown)	
36	1001308151	1	Sleeve	
37	1001308152	1	Sleeve	
38	1001311737	1	Switch	
39	1001311738	1	Switch	

SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-5. BOOM HOSES INSTALLATION



ART_1001305837

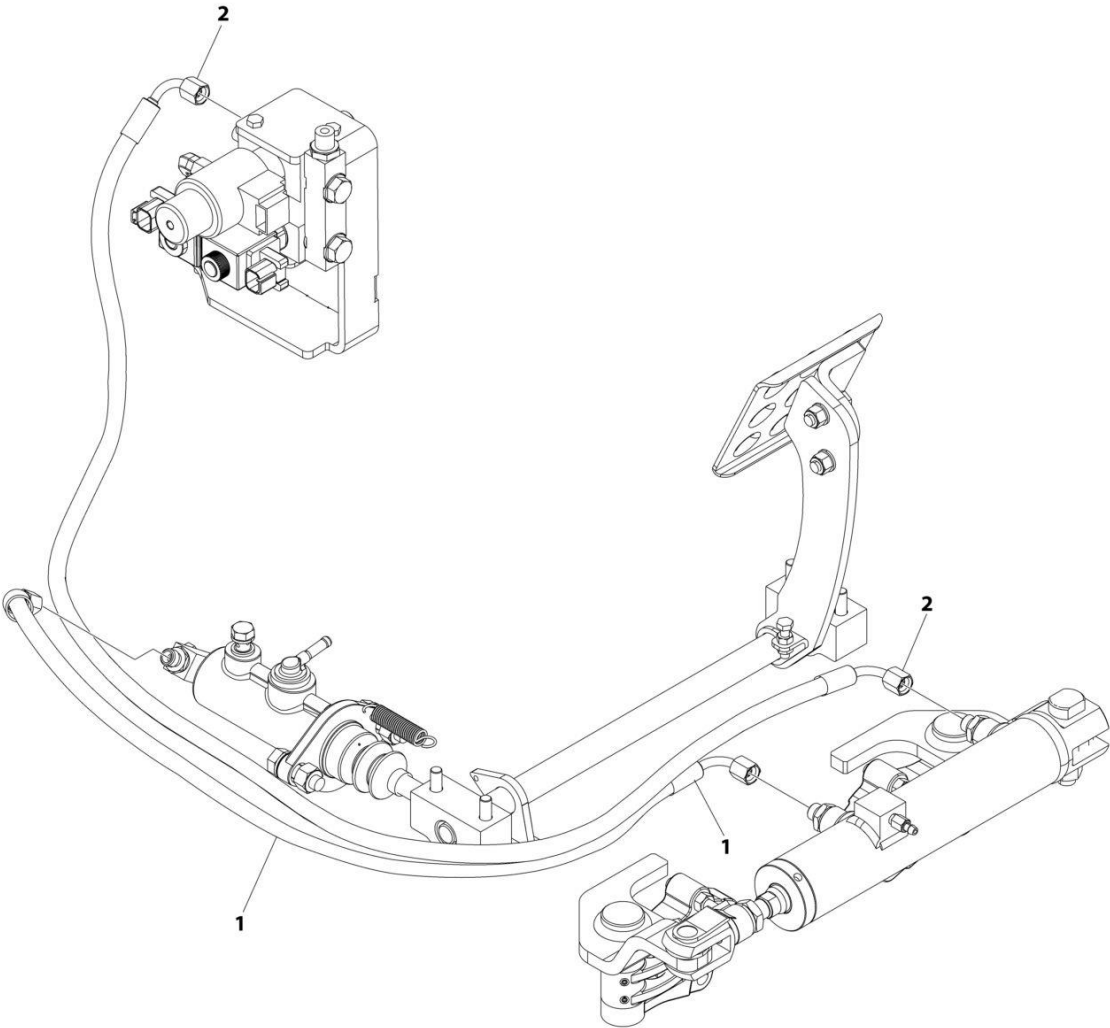
SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-5. BOOM HOSES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001305837	Ref	BOOM HOSES INSTALLATION	A
1	2141504	16	Fitting, Straight	
2	2143404	1	Fitting, 90	
3	1001263145	2	Fitting, Tee	
4	1001263170	2	Fitting, Tee	
5	1001263181	2	Fitting, Tee	
6	1001302733	1	Hose	
7	1001302734	1	Hose	
8	1001302735	1	Hose	
9	1001302736	1	Hose	
10	1001302737	1	Hose	
11	1001302738	1	Hose	
12	1001302739	1	Hose	
13	1001302740	1	Hose	
14	1001302741	6	Hose	
15	1001302742	1	Hose	
16	1001302743	1	Hose	
17	1001302744	1	Hose	
18	1001302816	1	Hose	
19	1001306269	1	Hose	
20	1001306270	1	Hose	

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FIGURE 7-6. BRAKE HOSES INSTALLATION



ART_1001309359

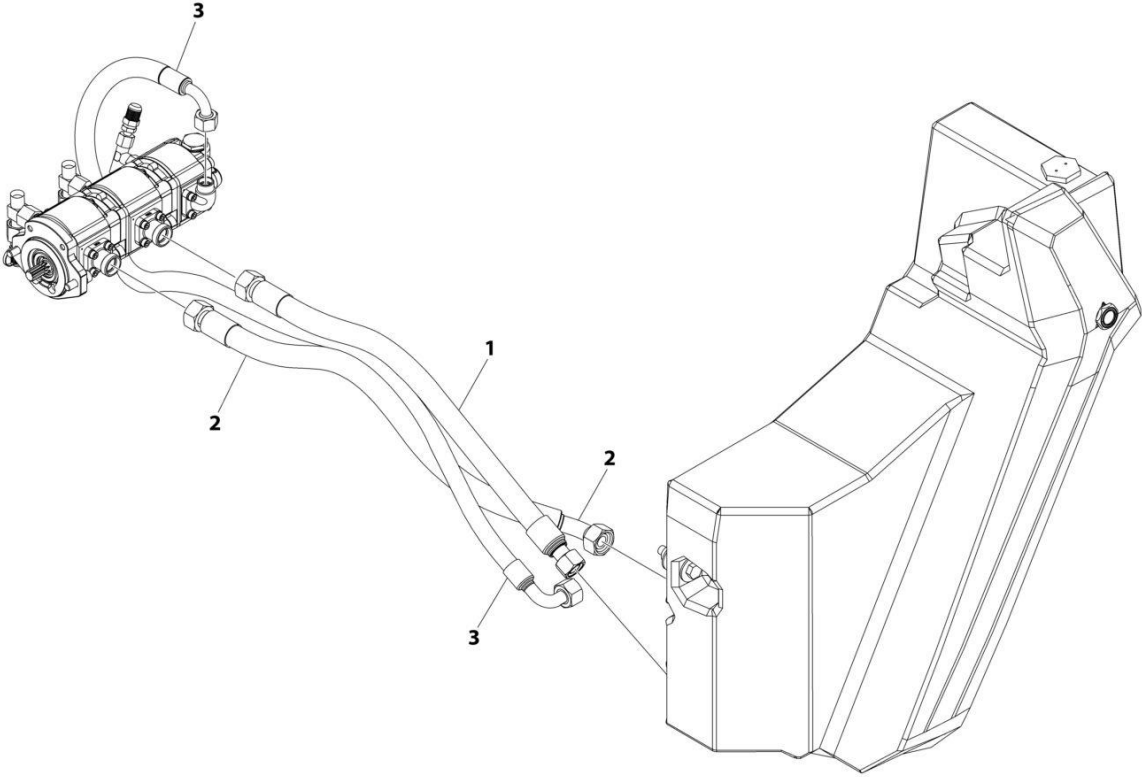
SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-6. BRAKE HOSES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001309359	Ref	BRAKE HOSES INSTALLATION	A
1	1001306331	1	Hose	
2	1001306333	1	Hose	

SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-7. DRIVE PUMP HOSES INSTALLATION



ART_1001309439

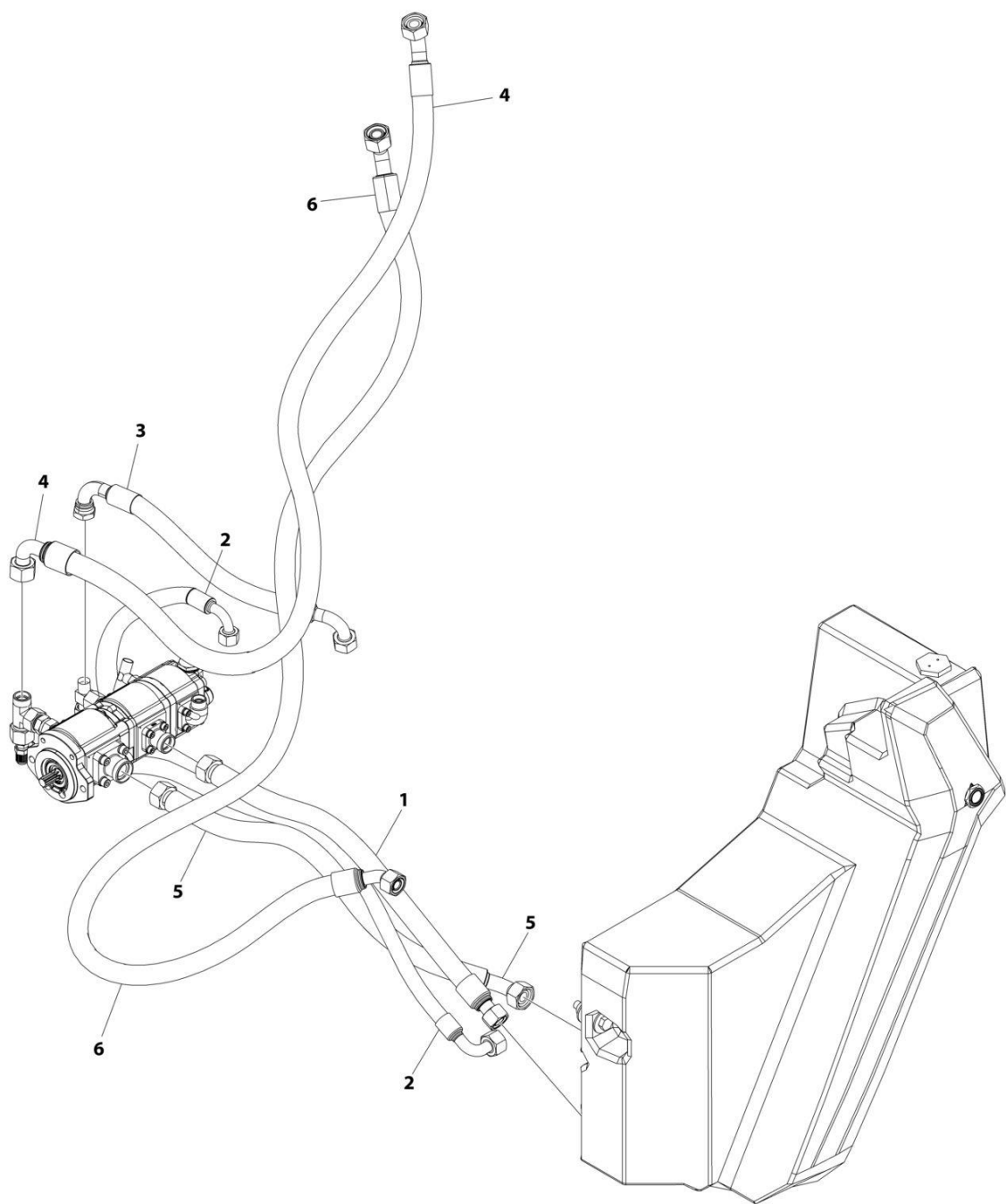
SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-7. DRIVE PUMP HOSES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001309439	Ref	DRIVE PUMP HOSES INSTALLATION	A
1	1001309573	1	Hose	
2	1001309574	1	Hose	
3	1001309575	1	Hose	

SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-8. DRIVE PUMP HOSES INSTALLATION (HIGH FLOW)



ART_1001311973

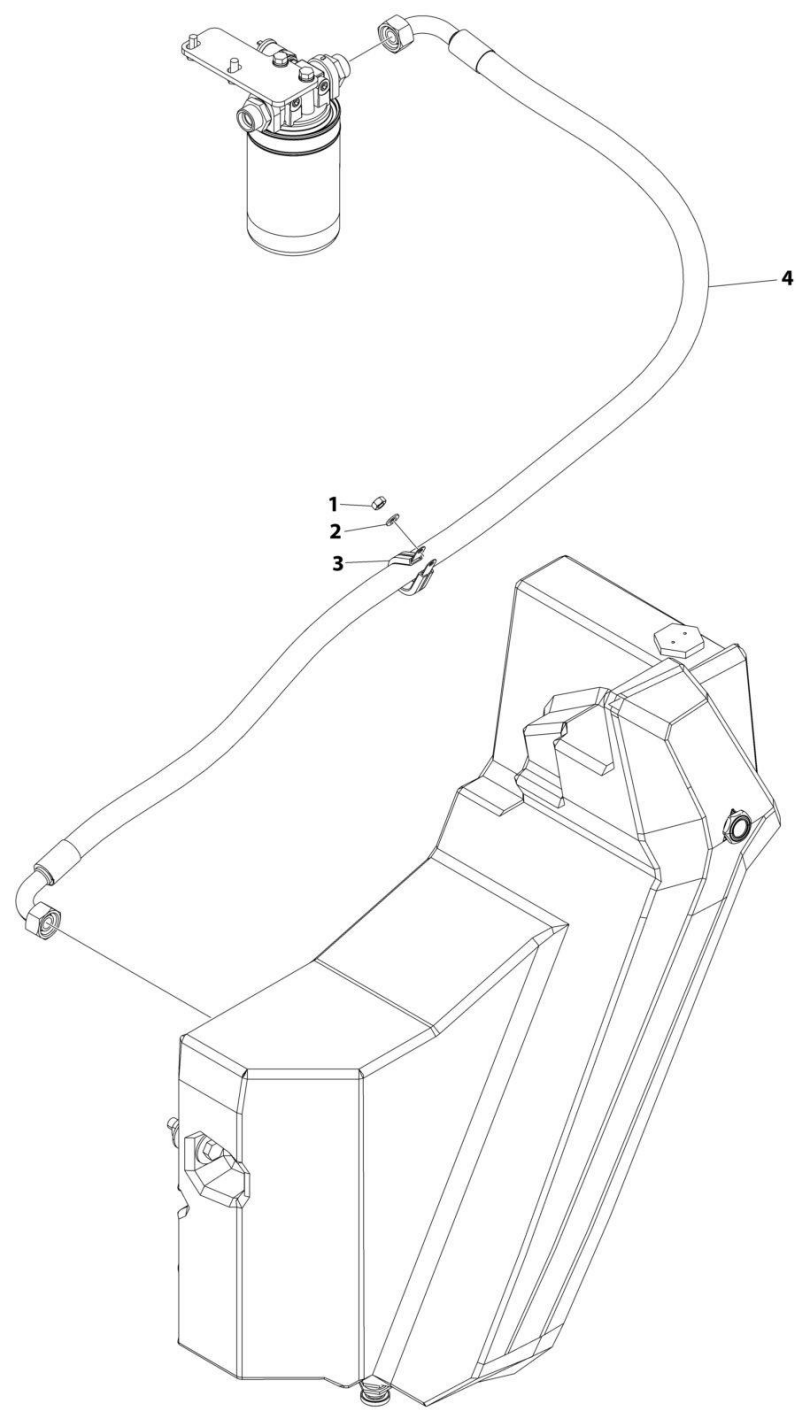
SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-8. DRIVE PUMP HOSES INSTALLATION (HIGH FLOW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001311973	Ref	DRIVE PUMP HOSES INSTALLATION (HIGH FLOW)	A
1	1001309573	1	Hose	
2	1001309575	1	Hose	
3	1001312873	1	Hose	
4	1001312874	1	Hose	
5	1001312875	1	Hose	
6	1001312876	1	Hose	

SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-9. HYDRAULIC TANK HOSES INSTALLATION



ART_1001309421

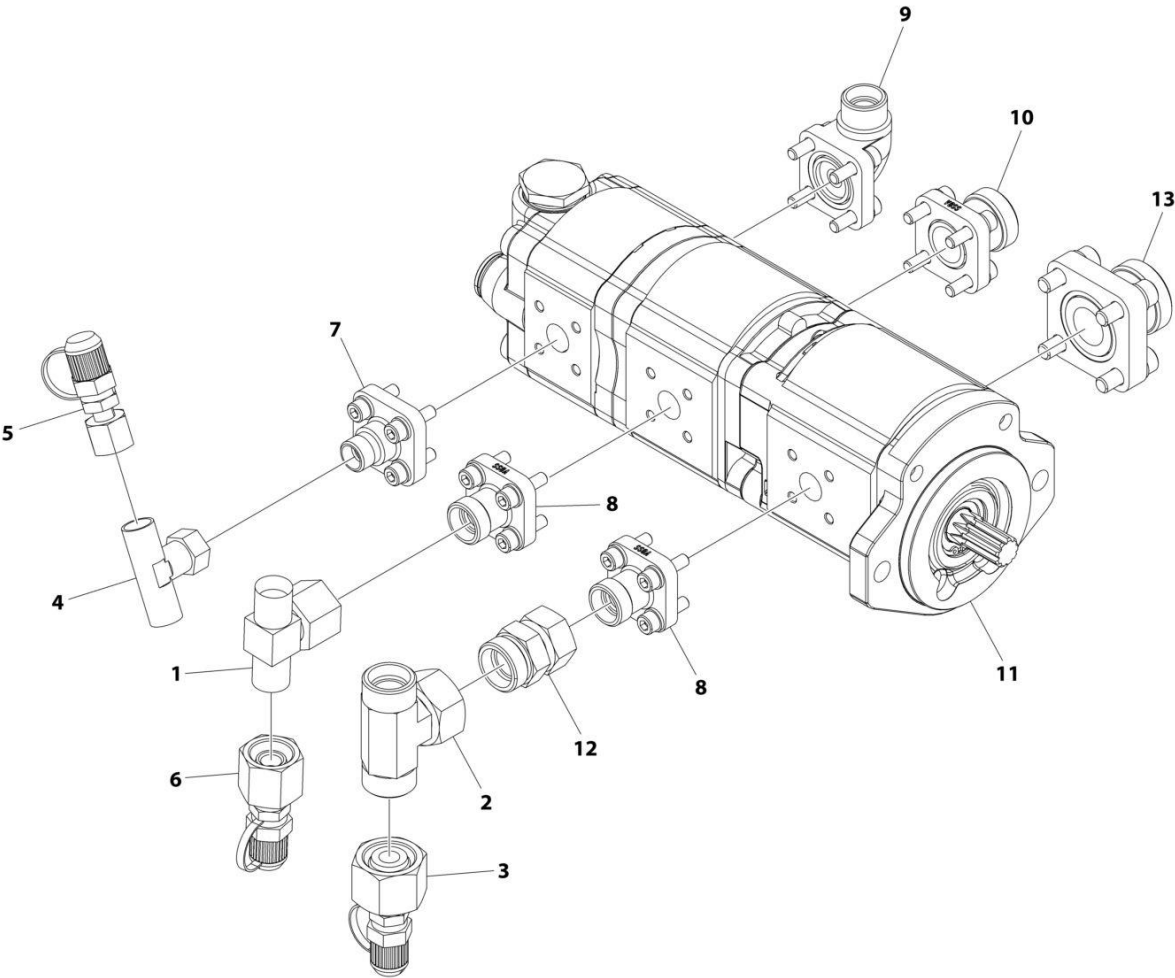
SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-9. HYDRAULIC TANK HOSES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001309421	Ref	HYDRAULIC TANK HOSES INSTALLATION	A
1	3290801	1	Nut M8	
2	4811900	1	Washer M8	
3	1001264677	1	Clamp	
4	1001309557	1	Hose	

SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-10. HYDRAULIC TANK HOSES INSTALLATION (HIGH FLOW)



ART_1001311977

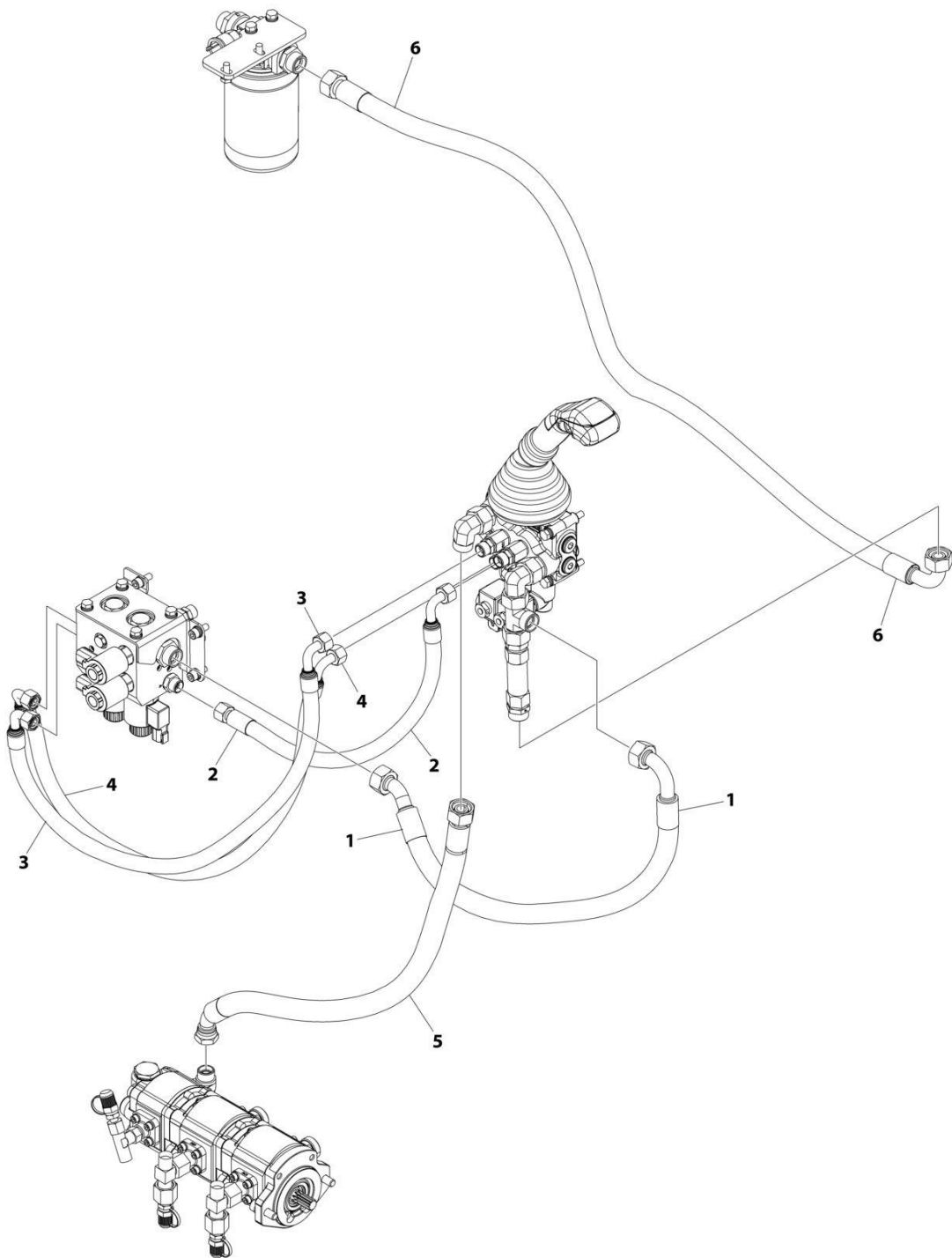
SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-10. HYDRAULIC TANK HOSES INSTALLATION (HIGH FLOW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001311977	Ref	PUMP HOSES INSTALLATION (HIGH FLOW)	A
1	2142105	1	Fitting, Tee	
2	2142106	1	Fitting, Tee	
3	2144106	1	Fitting, Diagnostic Tip	
4	2142103	1	Fitting, Tee	
5	1001263136	1	Coupling, Pressure Check	
6	1001263137	1	Coupling, Pressure Check	
7	1001310013	1	Fitting, Straight	
8	1001310044	2	Fitting, Straight	
9	1001310046	1	Fitting, 90	
10	1001310056	1	Fitting, Straight	
11	1001312887	1	Pump, Hydraulic	
12	1001312901	1	Fitting, Straight	
13	1001312909	1	Fitting, Straight	

SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-11. JOYSTICK HOSES INSTALLATION



ART_1001308943

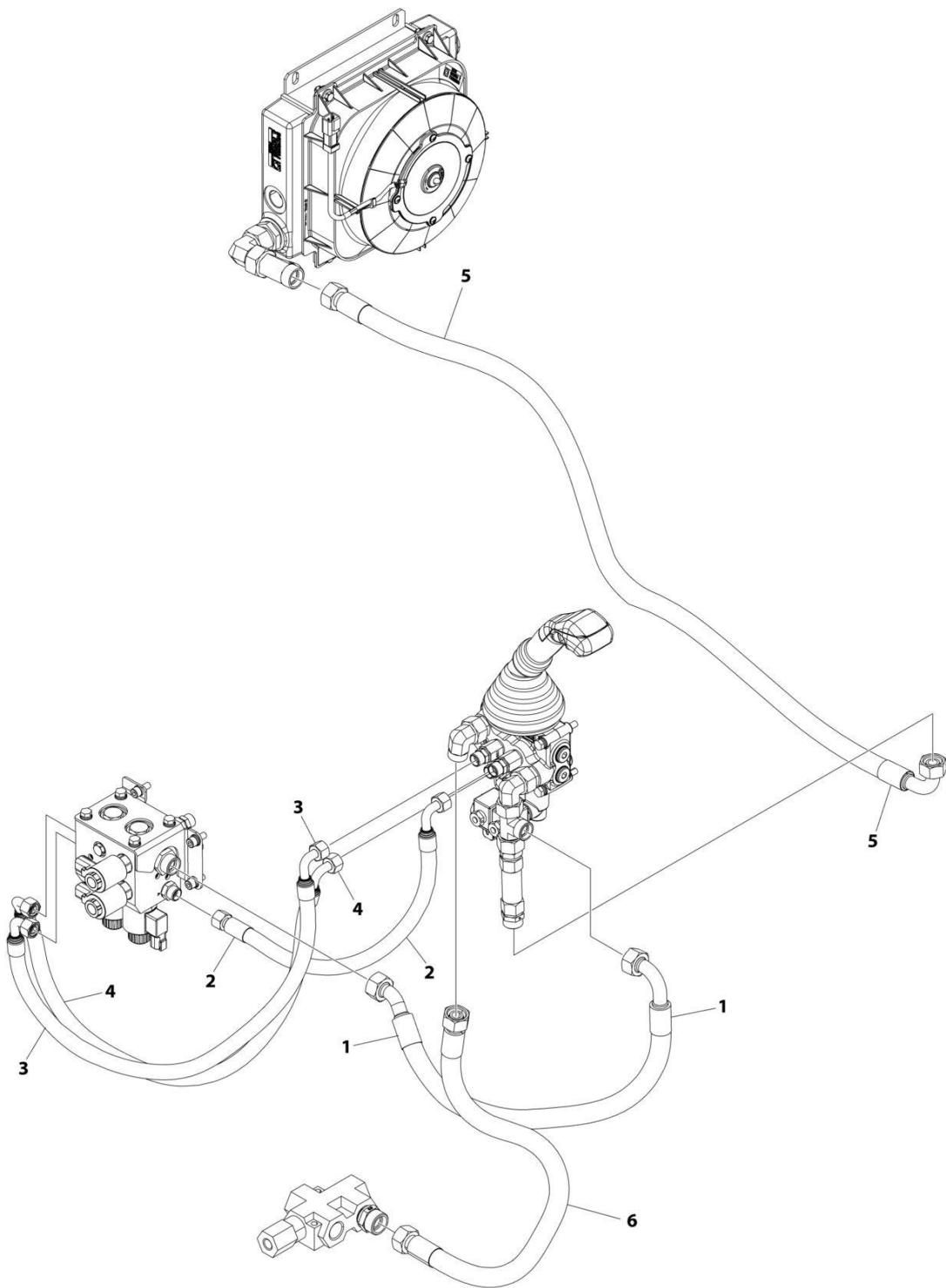
SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-11. JOYSTICK HOSES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308943	Ref	JOYSTICK HOSES INSTALLATION	A
1	1001306235	1	Hose	
2	1001306236	1	Hose	
3	1001306237	1	Hose	
4	1001306238	1	Hose	
5	1001309481	1	Hose	
6	1001309482	1	Hose	

SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-12. JOYSTICK HOSES INSTALLATION (HIGH FLOW)



ART_1001311891

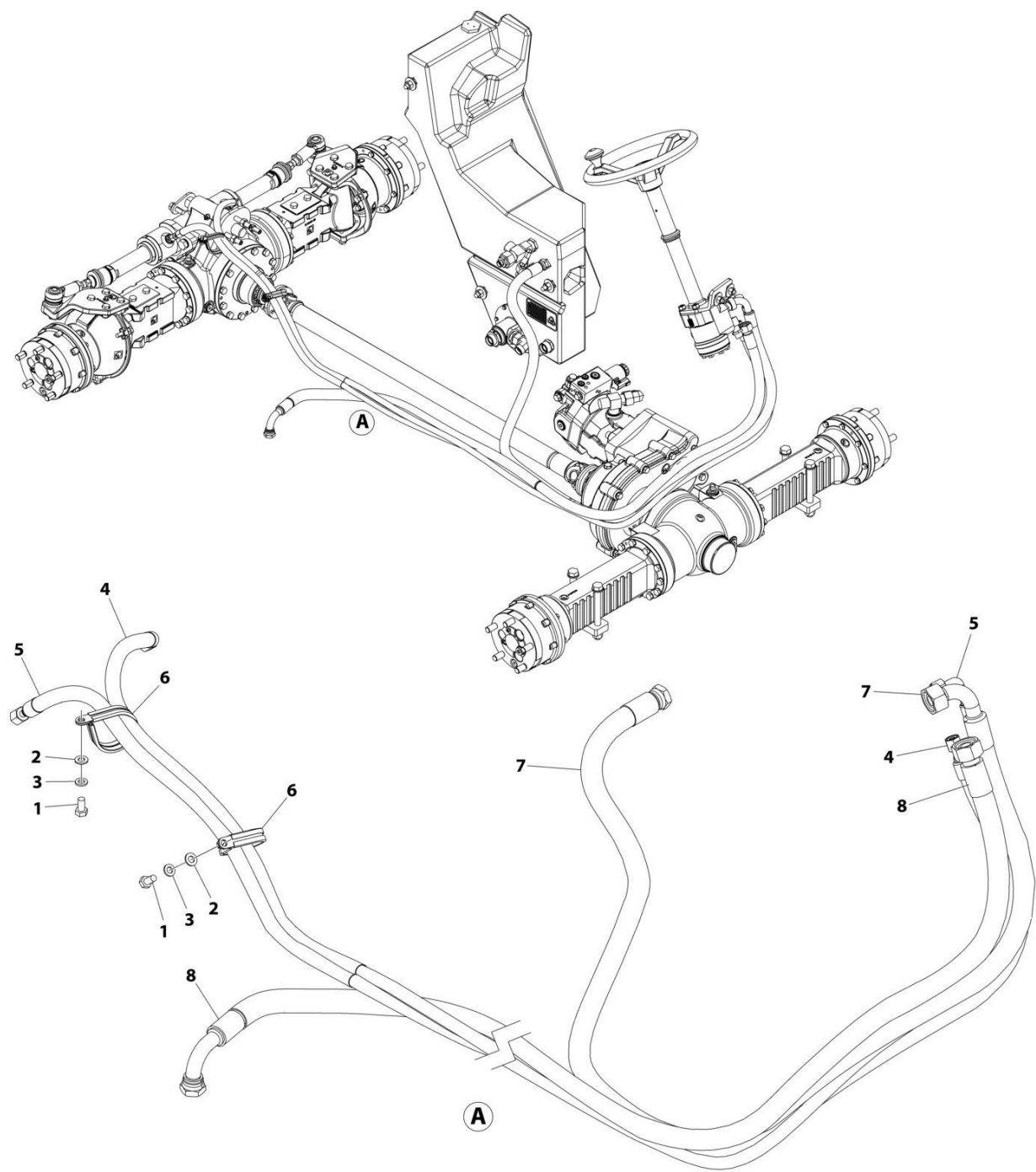
SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-12. JOYSTICK HOSES INSTALLATION (HIGH FLOW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001311891	Ref	JOYSTICK HOSES INSTALLATION (HIGH FLOW)	B
1	1001306235	1	Hose	
2	1001306236	1	Hose	
3	1001306237	1	Hose	
4	1001306238	1	Hose	
5	1001309482	1	Hose	
6	1001311916	1	Hose	

SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-13. STEERING HOSES INSTALLATION



ART_1001309270

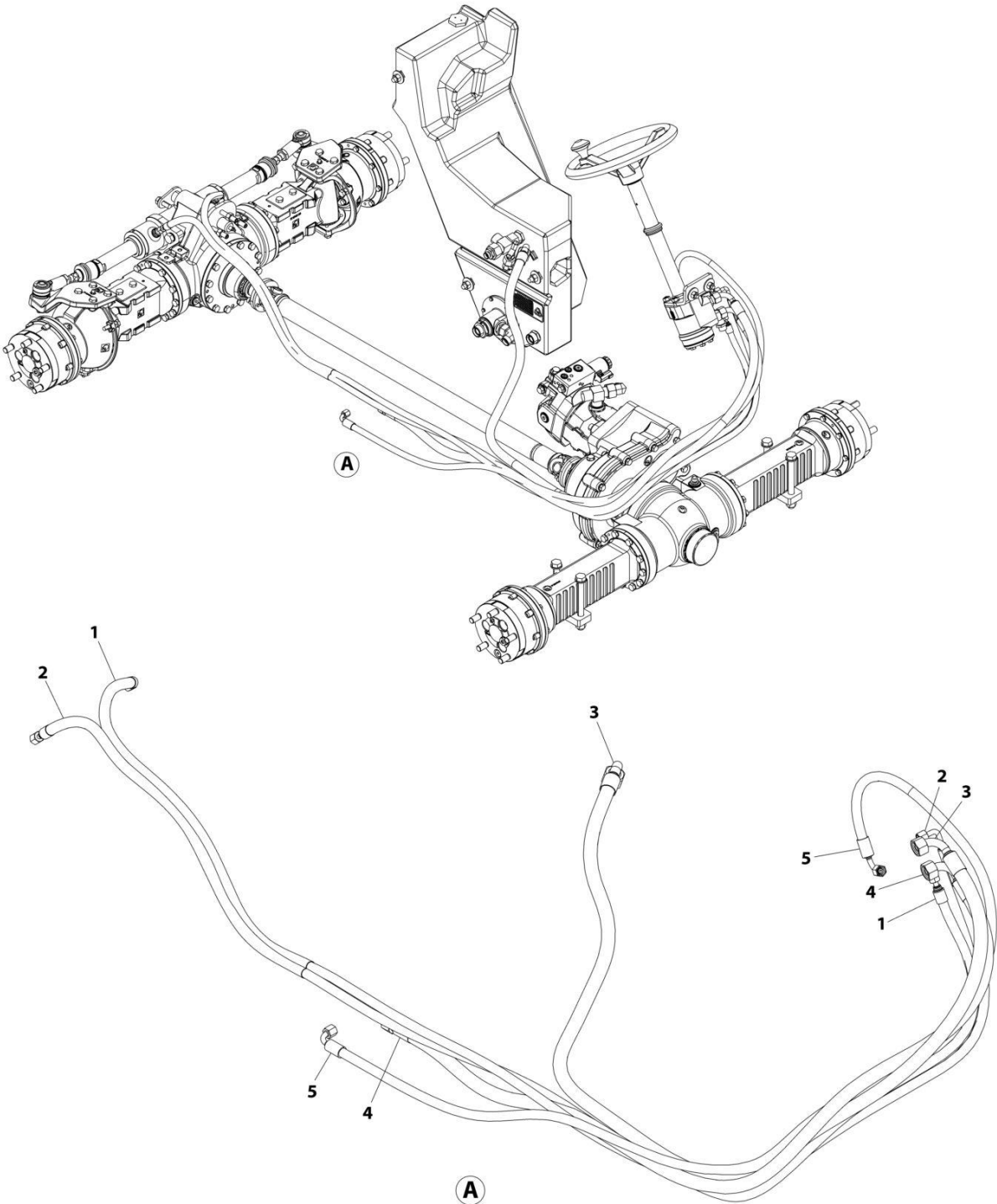
SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-13. STEERING HOSES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001309270	Ref	STEERING HOSES INSTALLATION	A
1	0760808	2	Bolt M8 x 16	
2	4811900	2	Washer M8	
3	4831900	2	Washer M8	
4	1001302731	1	Hose	
5	1001302732	1	Hose	
6	1001304559	2	Clamp	
7	1001309595	1	Hose	
8	1001309596	1	Hose	

SECTION 7 - HYDRAULIC CIRCUITS

FIGURE 7-14. STEERING HOSES INSTALLATION (HIGH FLOW)



ART_1001311869

SECTION 7 - HYDRAULIC CIRCUITS

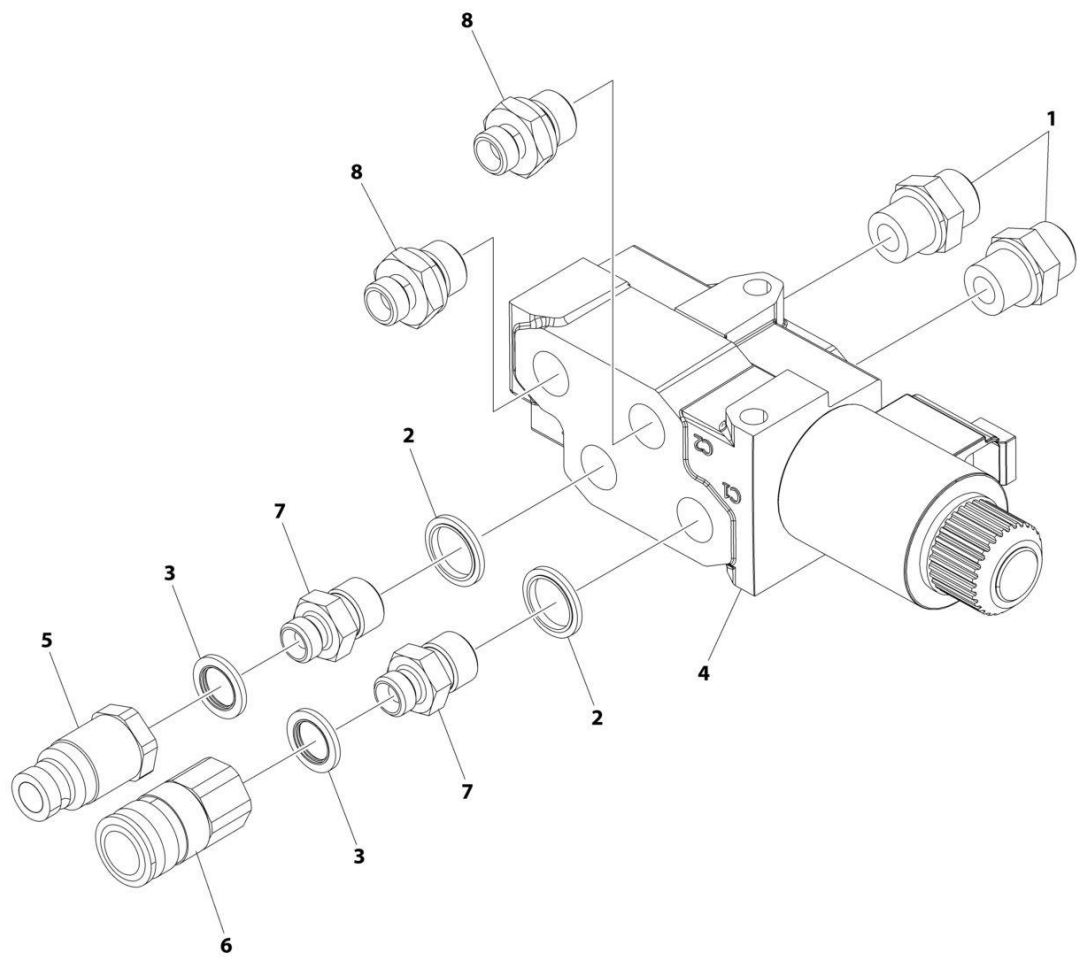
FIGURE 7-14. STEERING HOSES INSTALLATION (HIGH FLOW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001311869	Ref	STEER HOSES INSTALLATION (HIGH FLOW)	A
1	1001302731	1	Hose	
2	1001302732	1	Hose	
3	1001312058	1	Hose	
4	1001312059	1	Hose	
5	1001312060	1	Hose	

SECTION 8 - HYDRAULIC COMPONENTS

SECTION 8 - HYDRAULIC COMPONENTS

FIGURE 8-1. COUPLER VALVE ASSEMBLY



ART_1001304456

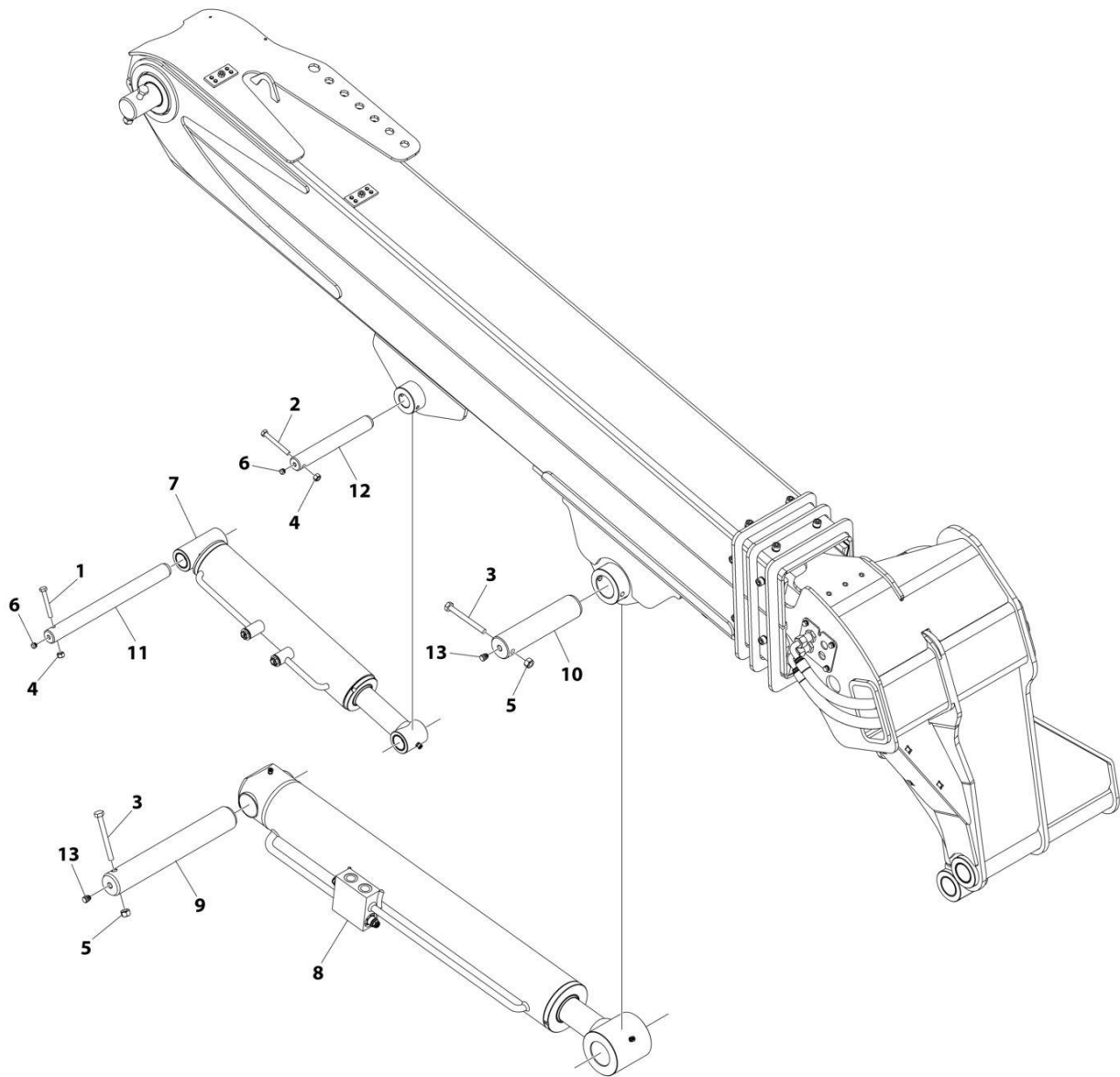
SECTION 8 - HYDRAULIC COMPONENTS

FIGURE 8-1. COUPLER VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001304456	Ref	COUPLER VALVE ASSEMBLY	A
1	2142712	2	Fitting, Straight	
2	1001263139	2	Seal	
3	1001263142	2	Seal	
4	1001264528	1	Valve	
5	1001305034	1	Coupling, Male Quick Disconnect	
6	1001305035	1	Coupling, Female Quick Disconnect	
7	1001306009	2	Fitting, Straight	
8	1001306011	2	Fitting, Straight	

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FIGURE 8-2. CYLINDERS INSTALLATION - LIFT & COMPENSATION



ART_1001301795

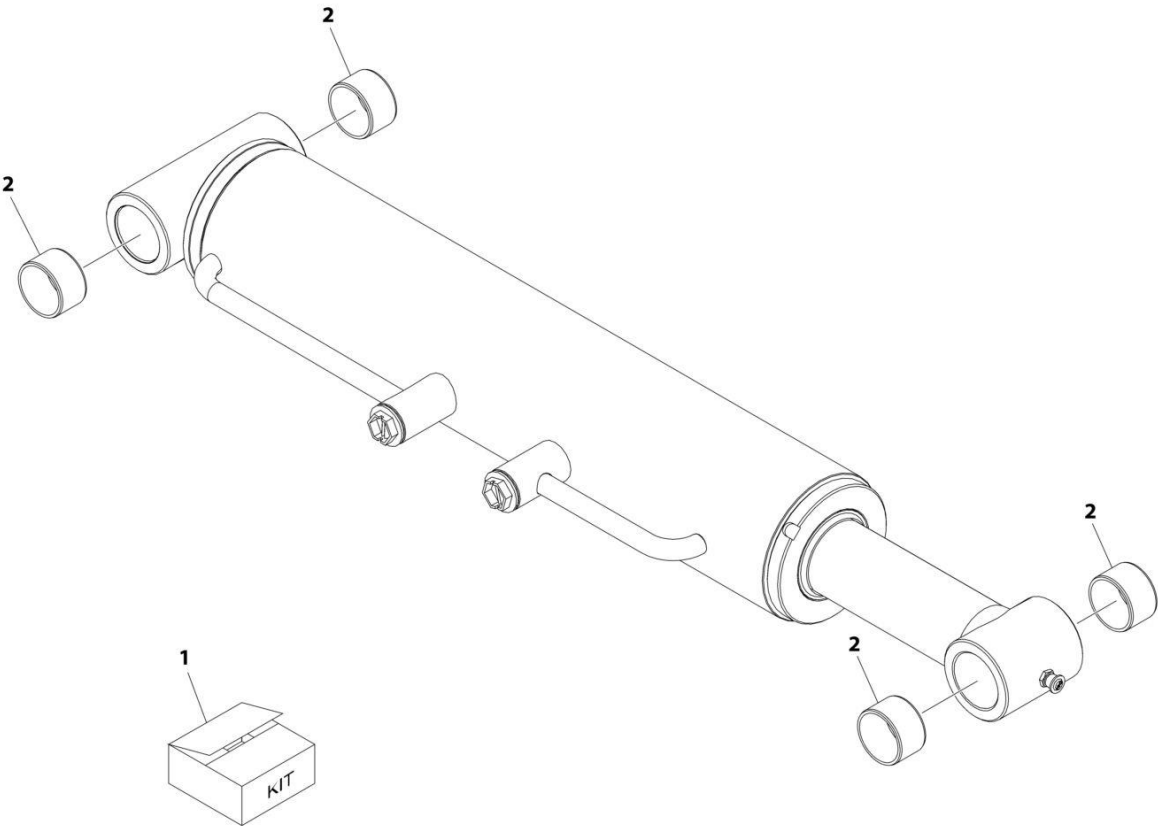
SECTION 8 - HYDRAULIC COMPONENTS

FIGURE 8-2. CYLINDERS INSTALLATION - LIFT & COMPENSATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301795	Ref	CYLINDERS INSTALLATION	A
1	0700820	1	Bolt M8 x 60	
2	0700822	1	Bolt M8 x 70	
3	0701027	2	Bolt M10 x 100	
4	3290805	2	Nut M8	
5	3291005	2	Nut M10	
6	1001261567	2	Plug - 11.5MM	
7	1001303002	1	Compensation Cylinder Assembly (See Separate Breakdown in this Section)	
8	1001303003	1	Lift Cylinder Assembly (See Separate Breakdown in this Section)	
9	1001303043	1	Pin, Lift Cylinder Base	
10	1001303044	1	Pin, Lift Cylinder Rod	
11	1001303045	1	Pin, Compensation Cylinder Base	
12	1001303046	1	Pin, Compensation Cylinder Rod	
13	1001303409	2	Plug - 13MM	

SECTION 8 - HYDRAULIC COMPONENTS

FIGURE 8-3. COMPENSATION CYLINDER ASSEMBLY



ART_1001303002

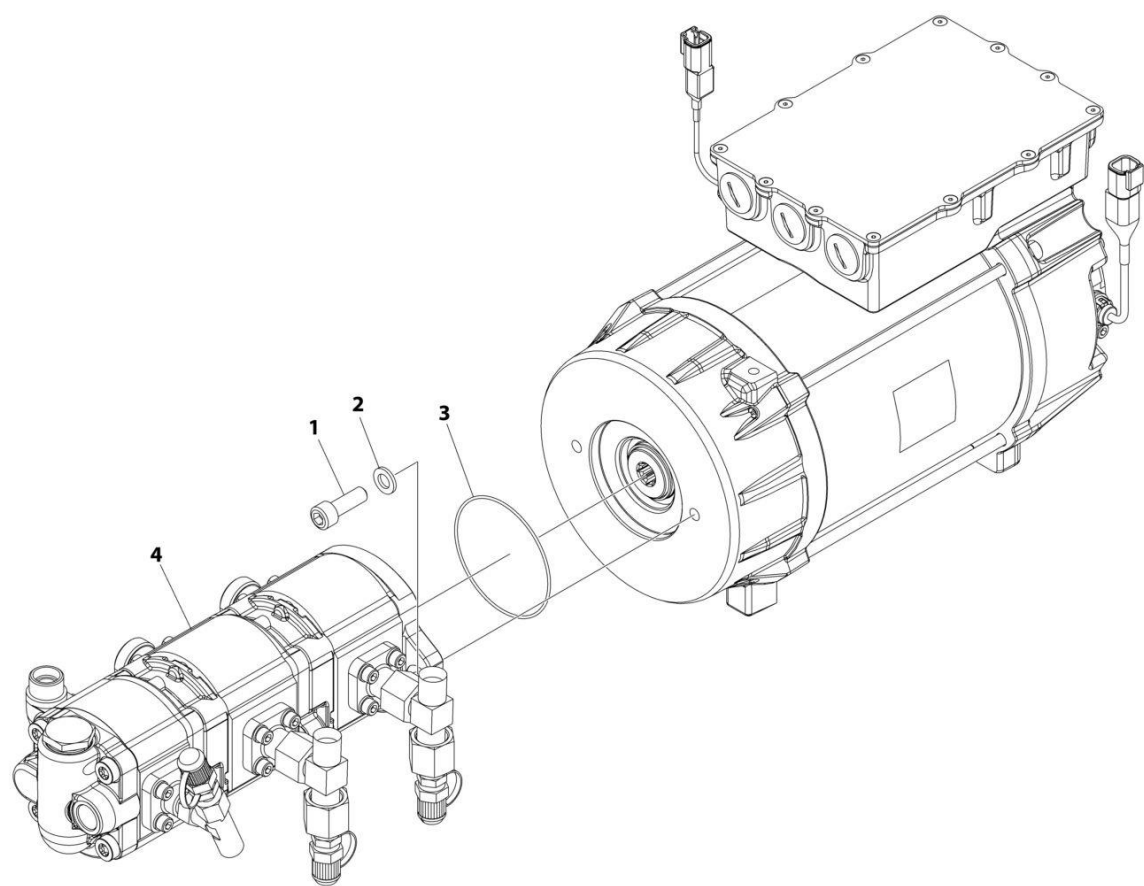
SECTION 8 - HYDRAULIC COMPONENTS

FIGURE 8-3. COMPENSATION CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303002	Ref	COMPENSATION CYLINDER ASSEMBLY	A
	See Note	Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
	See Note	Ref	Note: No Other Service Parts Available	
1	70031555	1	Kit, Seal	
2	70031556	4	Bushing	

SECTION 8 - HYDRAULIC COMPONENTS

FIGURE 8-4. GEAR PUMP INSTALLATION



ART_1001309000

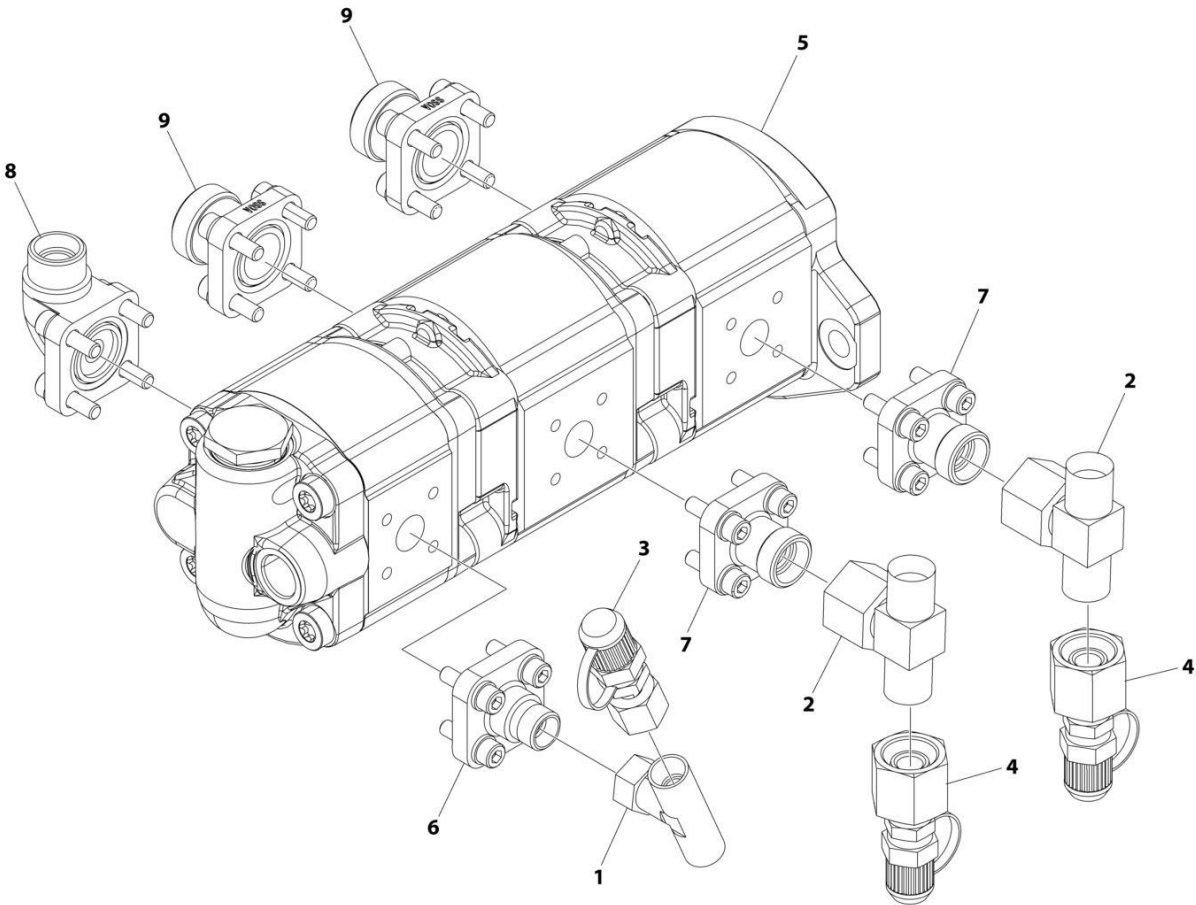
SECTION 8 - HYDRAULIC COMPONENTS

FIGURE 8-4. GEAR PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001309000	Ref	GEAR PUMP INSTALLATION	A
1	4032010	2	Bolt M10 x 30	
2	4832000	2	Washer M10	
3	1001262951	1	O-Ring	
4	1001309011	1	Gear Pump Sub-Assembly (See Separate Breakdown in this Section)	

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FIGURE 8-5. GEAR PUMP SUB-ASSEMBLY



ART_1001309011

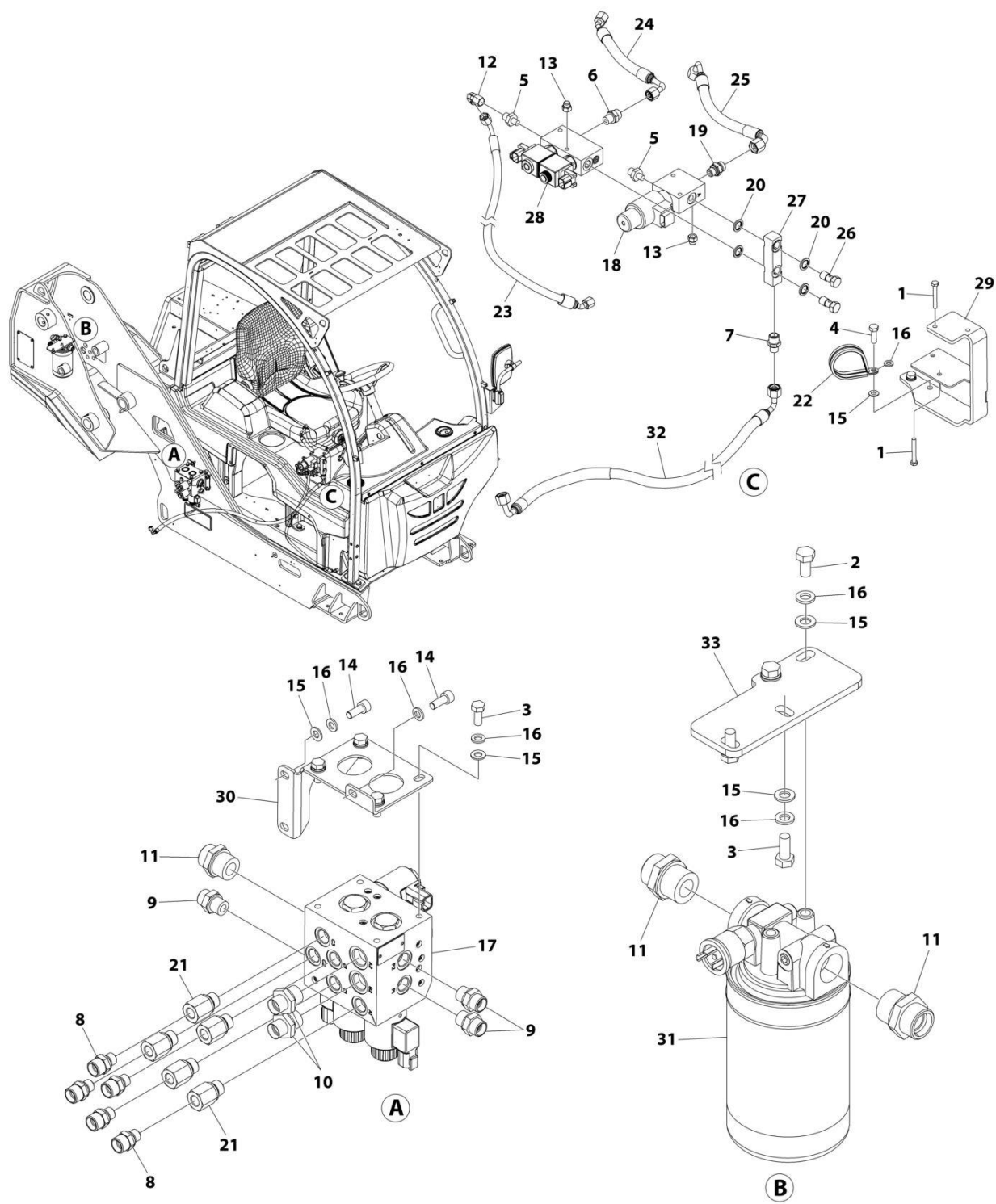
SECTION 8 - HYDRAULIC COMPONENTS

FIGURE 8-5. GEAR PUMP SUB-ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001309011	Ref	GEAR PUMP SUB-ASSEMBLY	A
1	2142103	1	Fitting, Tee	
2	2142105	2	Fitting, Tee	
3	1001263136	1	Coupling, Pressure Check	
4	1001263137	2	Coupling, Pressure Check	
5	1001309012	1	Pump, Gear	
6	1001310013	1	Fitting, Straight	
7	1001310044	2	Fitting, Straight	
8	1001310046	1	Fitting, 90	
9	1001310056	2	Fitting, Straight	

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FIGURE 8-6. HYDRAULIC FILTER & VALVES INSTALLATION



ART_1001309384

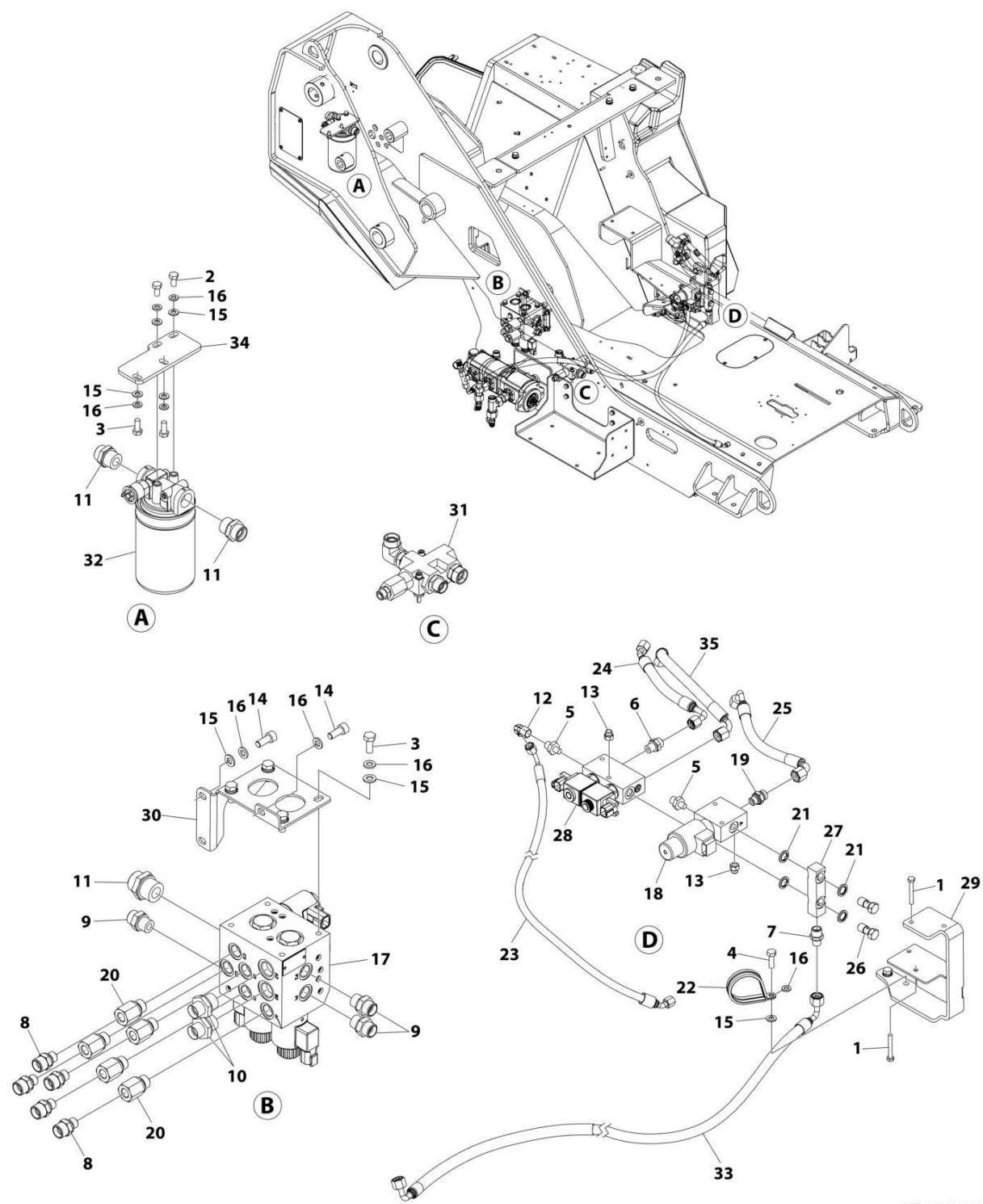
SECTION 8 - HYDRAULIC COMPONENTS

FIGURE 8-6. HYDRAULIC FILTER & VALVES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001309384	Ref	HYDRAULIC FILTER & VALVES INSTALLATION	A
1	0700617	4	Bolt M6 x 45	
2	0760808	2	Bolt M8 x 16	
3	0760810	6	Bolt M8 x 20	
4	0760812	2	Bolt M8 x 25	
5	2142704	2	Fitting, Straight	
6	2142706	1	Fitting, Straight	
7	2142708	1	Fitting, Straight	
8	2142711	5	Fitting, Straight	
9	2142712	3	Fitting, Straight	
10	2142713	2	Fitting, Straight	
11	2142717	3	Fitting, Straight	
12	2143401	1	Fitting, 90	
13	3290806	4	Nut M8	
14	4031908	3	Capscrew M8 x 20	
15	4811900	12	Washer M8	
16	4831900	13	Washer M8	
17	1001262952	1	Valve, Main Control (No Service Parts Available)	
18	1001262955	1	Valve, 3 Way Selector (No Service Parts Available)	
19	1001263099	1	Fitting, Straight	
20	1001263142	4	Seal	
21	1001263572	5	Fitting, Straight	
22	1001304559	1	Clamp	
23	1001306241	1	Hose	
24	1001306319	1	Hose	
25	1001306322	1	Hose	
26	1001306504	2	Bolt 1/4 x 26	
27	1001306506	1	Manifold	
28	1001306571	1	Valve, Hydraulic (No Service Parts Available)	
29	1001306574	1	Bracket	
30	1001306575	1	Bracket	
31	1001309252	1	Filter, Hydraulic	
32	1001309758	1	Hose	
33	1001309770	1	Plate	

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FIGURE 8-7. HYDRAULIC FILTER & VALVES INSTALLATION (HIGH FLOW)



ART_1001311972

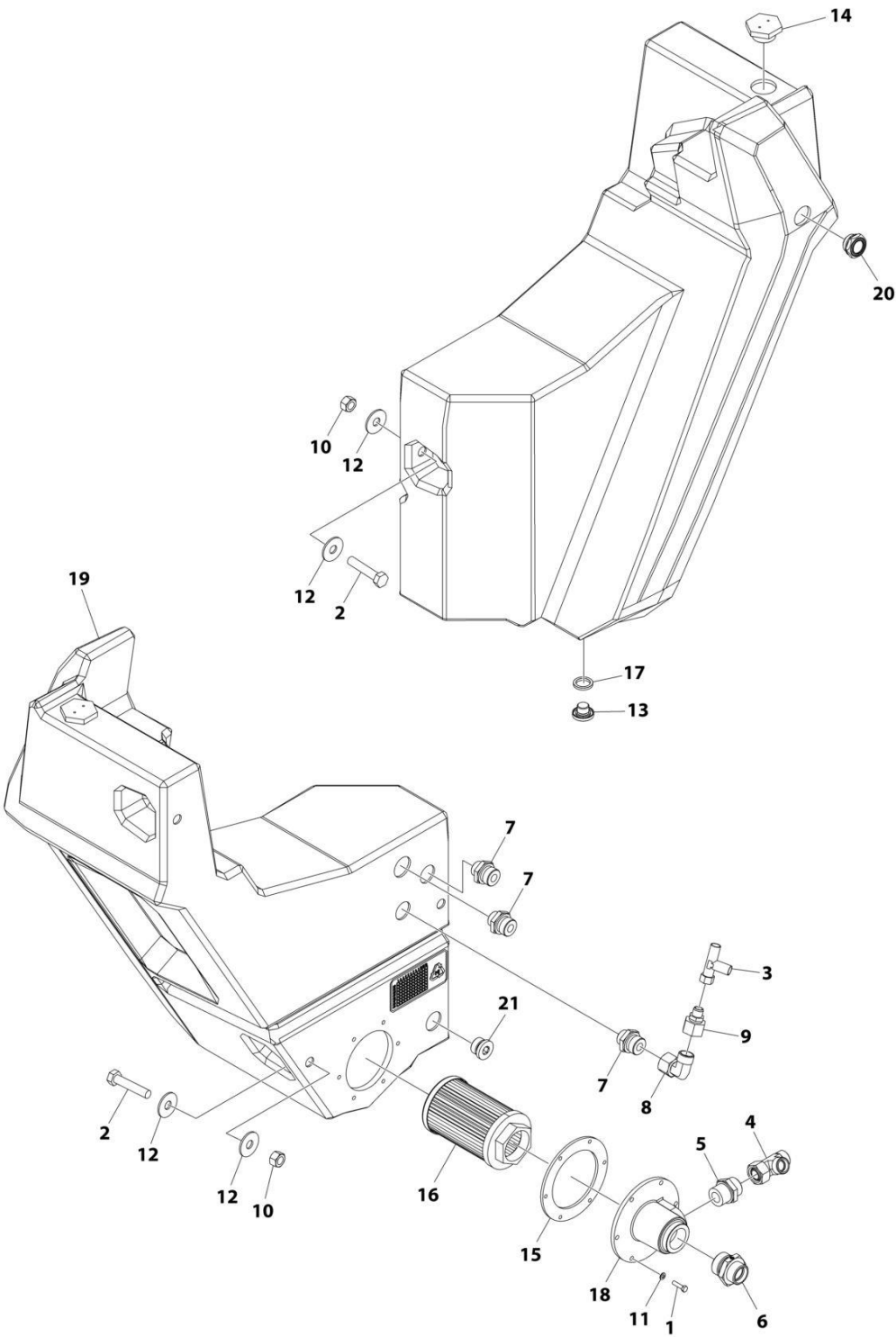
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FIGURE 8-7. HYDRAULIC FILTER & VALVES INSTALLATION (HIGH FLOW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001311972	Ref	FILTER HOSES INSTALLATION (HIGH FLOW)	A
1	0700617	4	Bolt M6 x 45	
2	0760808	2	Bolt M8 x 16	
3	0760810	6	Bolt M8 x 20	
4	0760812	2	Bolt M8 x 25	
5	2142704	2	Fitting, Straight	
6	2142706	1	Fitting, Straight	
7	2142708	1	Fitting, Straight	
8	2142711	5	Fitting, Straight	
9	2142712	3	Fitting, Straight	
10	2142713	2	Fitting, Straight	
11	2142717	3	Fitting, Straight	
12	2143401	1	Fitting, 90	
13	3290806	4	Nut M8	
14	4031908	3	Capscrew M8 x 20	
15	4811900	12	Washer M8	
16	4831900	13	Washer M8	
17	1001262952	1	Valve, Main Control (No Service Parts Available)	
18	1001262955	1	Valve, 3-Way Selector (No Service Parts Available)	
19	1001263099	1	Fitting, Straight	
20	1001263572	5	Fitting, Straight	
21	1001263142	4	Seal	
22	1001304559	1	Clamp	
23	1001306241	1	Hose	
24	1001306319	1	Hose	
25	1001306322	1	Hose	
26	1001306504	2	Fitting	
27	1001306506	1	Manifold	
28	1001306571	1	Valve, Hydraulic (No Service Parts Available)	
29	1001306574	1	Bracket	
30	1001306575	1	Bracket	
31	1001308161	1	Valve, Filter	
32	1001309252	1	Filter, Hydraulic	
33	1001309758	1	Hose	
34	1001309770	1	Plate	
35	1001311990	1	Hose	

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FIGURE 8-8. HYDRAULIC TANK INSTALLATION



ART_1001309419

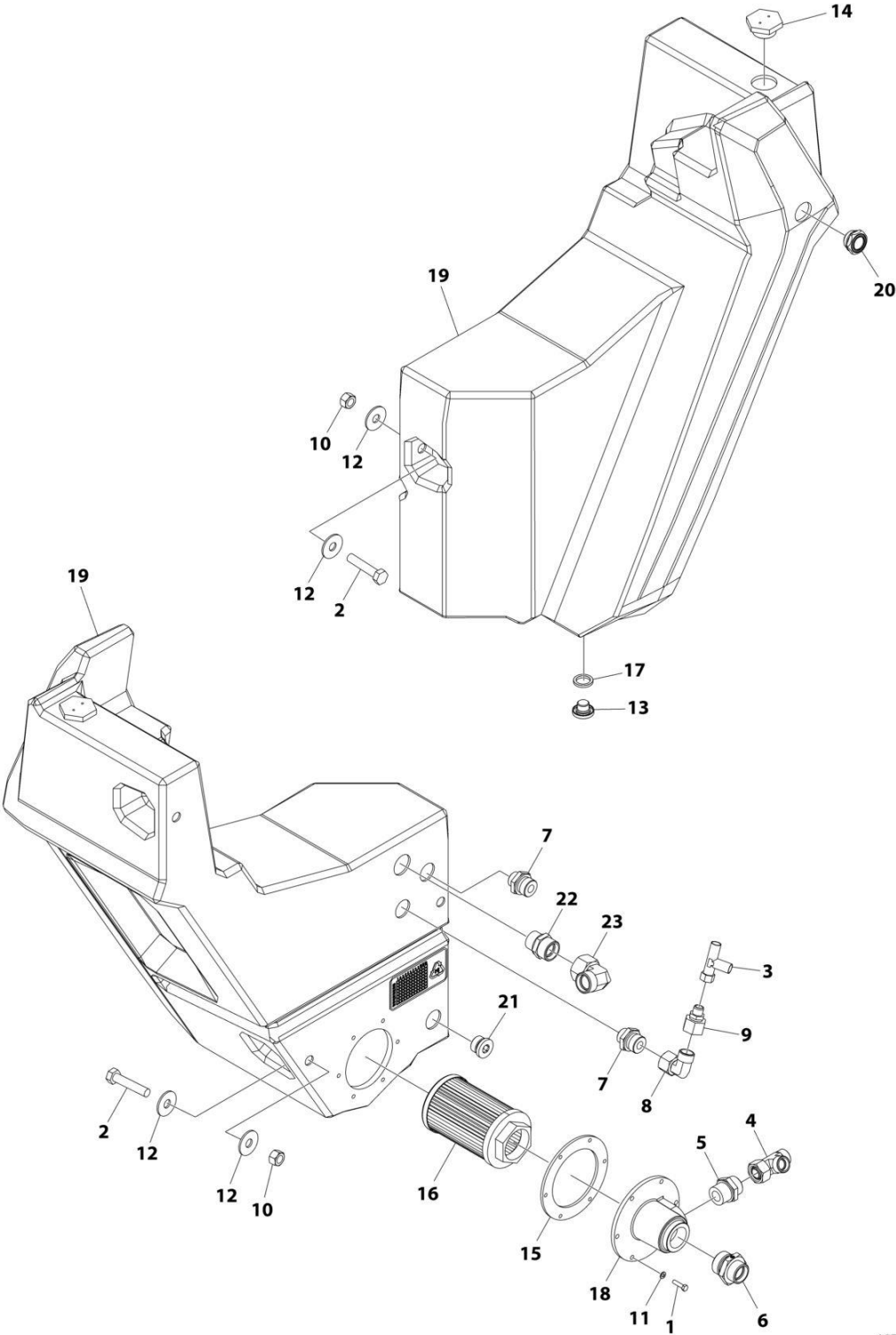
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FIGURE 8-8. HYDRAULIC TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001309419	Ref	HYDRAULIC TANK INSTALLATION	A
1	0700510	6	Bolt M5 x 20	
2	0711220	3	Bolt M12 x 60 Class 10.9	
3	2142202	1	Fitting, Tee	
4	2142206	1	Fitting, Tee	
5	2142717	1	Fitting, Sraight	
6	2142748	1	Fitting, Sraight	
7	2142757	3	Fitting, Sraight	
8	2143405	1	Fitting, 90	
9	2143509	1	Fitting, Sraight	
10	3291207	3	Nut M12	
11	4811600	6	Washer M5	
12	4812102	6	Washer M12	
13	1001262978	1	Plug	
14	1001262983	1	Cap, Breather	
15	1001262985	1	Gasket	
16	1001262986	1	Filter, Hydraulic	
17	1001262987	1	Seal	
18	1001262989	1	Flange	
19	1001306141	1	Tank, Hydraulic	
20	1001306142	1	Plug, Optical	
21	1001310184	1	Plug	

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FIGURE 8-9. HYDRAULIC TANK INSTALLATION (HIGH FLOW)



ART_1001311876

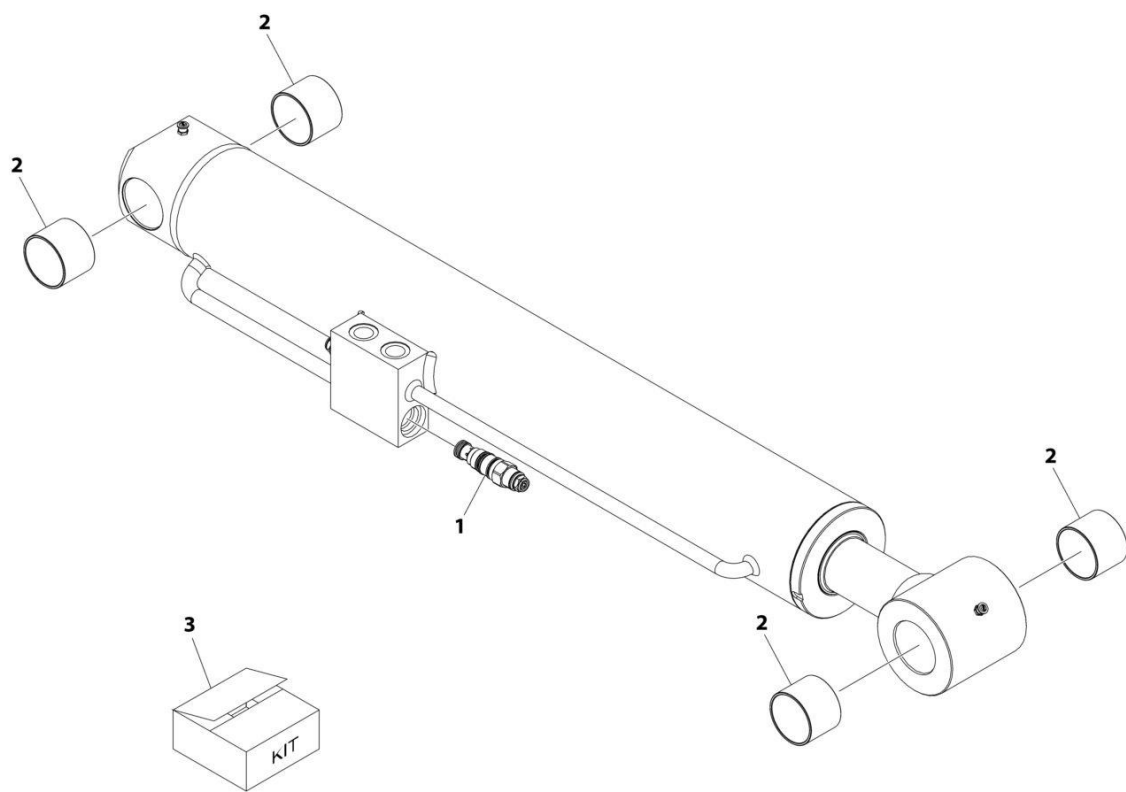
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FIGURE 8-9. HYDRAULIC TANK INSTALLATION (HIGH FLOW)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001311876	Ref	HYDRAULIC TANK INSTALLATION (HIGH FLOW)	B
1	0700510	6	Bolt M5 x 20	
2	0711220	3	Bolt M12 x 60 Class 10.9	
3	2142202	1	Fitting, Tee	
4	2142206	1	Fitting, Tee	
5	2142717	1	Fitting, Sraight	
6	2142719	1	Fitting, Straight	
7	2142757	2	Fitting, Sraight	
8	2143405	1	Fitting, 90	
9	2143509	1	Fitting, Sraight	
10	3291207	3	Nut M12	
11	4811600	6	Washer M5	
12	4812102	6	Washer M12	
13	1001262978	1	Plug	
14	1001262983	1	Cap, Breather	
15	1001262985	1	Gasket	
16	1001262986	1	Filter, Hydraulic	
17	1001262987	1	Seal	
18	1001262989	1	Flange	
19	1001306141	1	Tank, Hydraulic	
20	1001306142	1	Plug, Optical	
21	1001310184	1	Plug	
22	2142718	1	Fitting, Straight	
23	2143407	1	Fitting, 90	

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FIGURE 8-10. LIFT CYLINDER ASSEMBLY



ART_1001303003

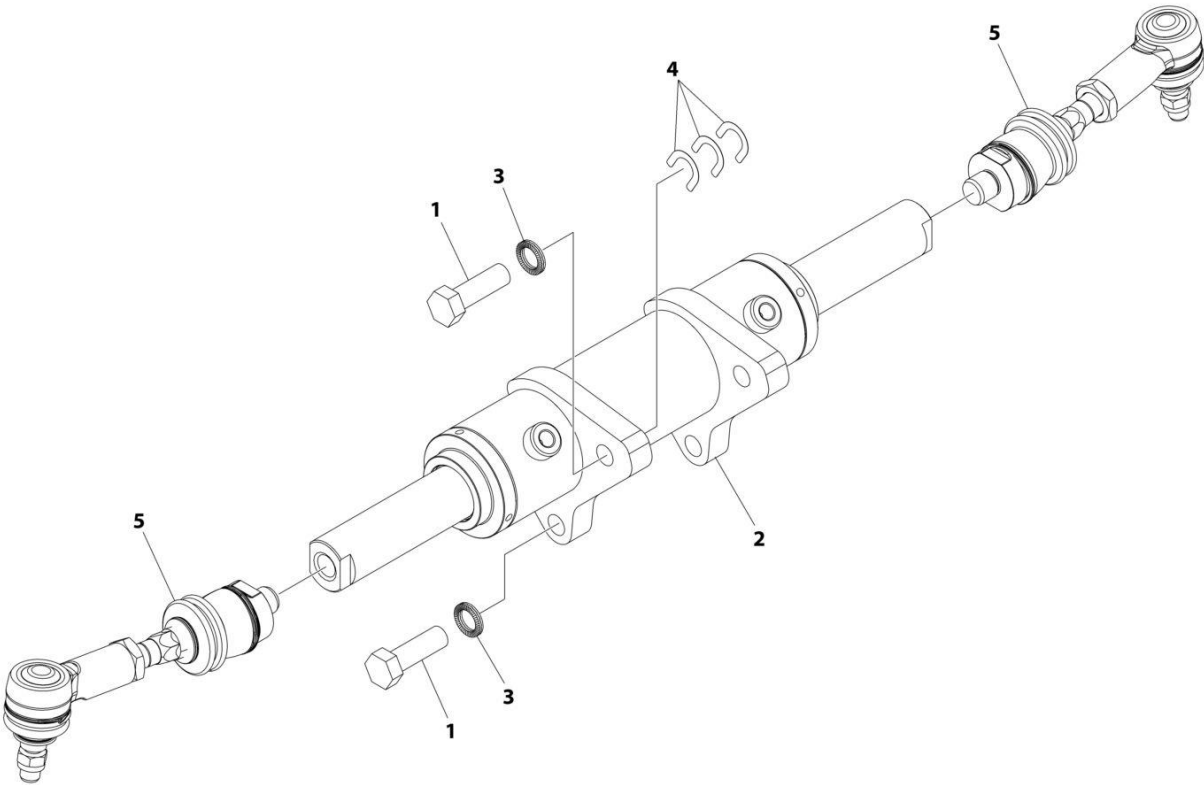
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FIGURE 8-10. LIFT CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001303003	Ref	LIFT CYLINDER ASSEMBLY	A
	See Note	Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
	See Note	Ref	Note: No Service Parts Available At Time of Printing	

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FIGURE 8-11. STEER CYLINDER SUB-ASSEMBLY



ART_1001307027

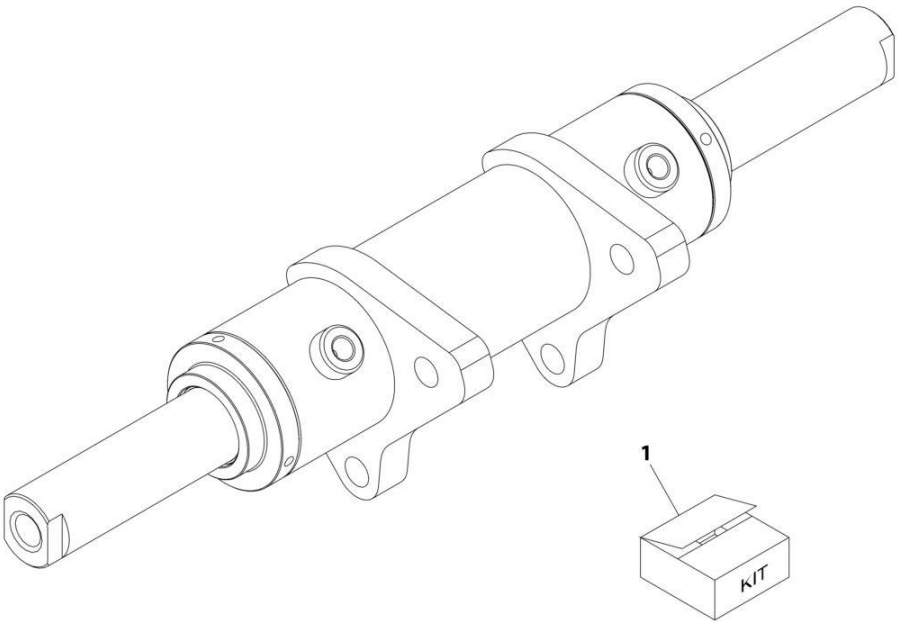
SECTION 8 - HYDRAULIC COMPONENTS

FIGURE 8-11. STEER CYLINDER SUB-ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307027	Ref	STEER CYLINDER SUB-ASSEMBLY	A
1	0701618	4	Bolt M16 x 50	
2	1001307028	1	Steer Cylinder Assembly (See Separate Breakdown in this Section)	
3	1001307031	4	Washer M16	
4	1001307032	6	Shim	
5	1001307033	2	Joint	

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FIGURE 8-12. STEER CYLINDER ASSEMBLY



ART_1001307028

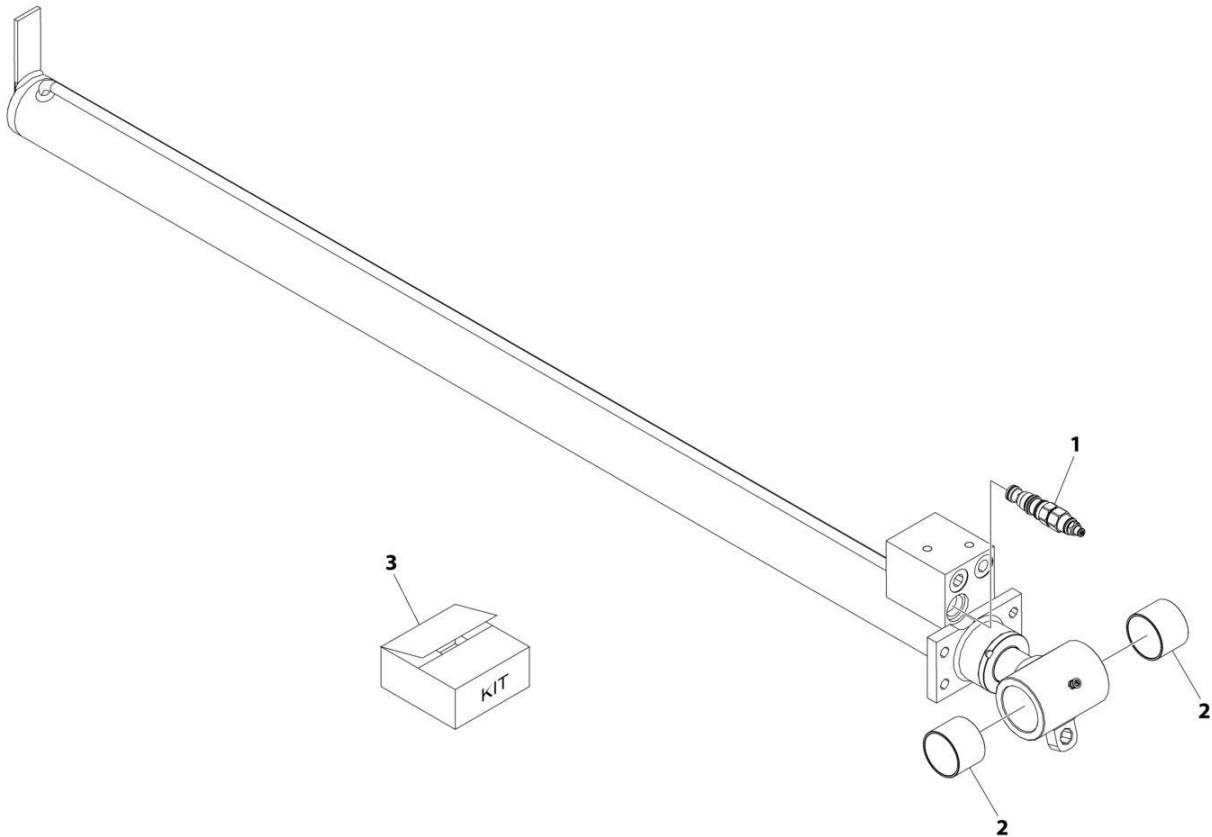
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FIGURE 8-12. STEER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001307028	Ref	STEER CYLINDER	A
	See Note	Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
	70031819	1	Kit, Seal	

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FIGURE 8-13. TELESCOPE CYLINDER ASSEMBLY



ART_1001301850

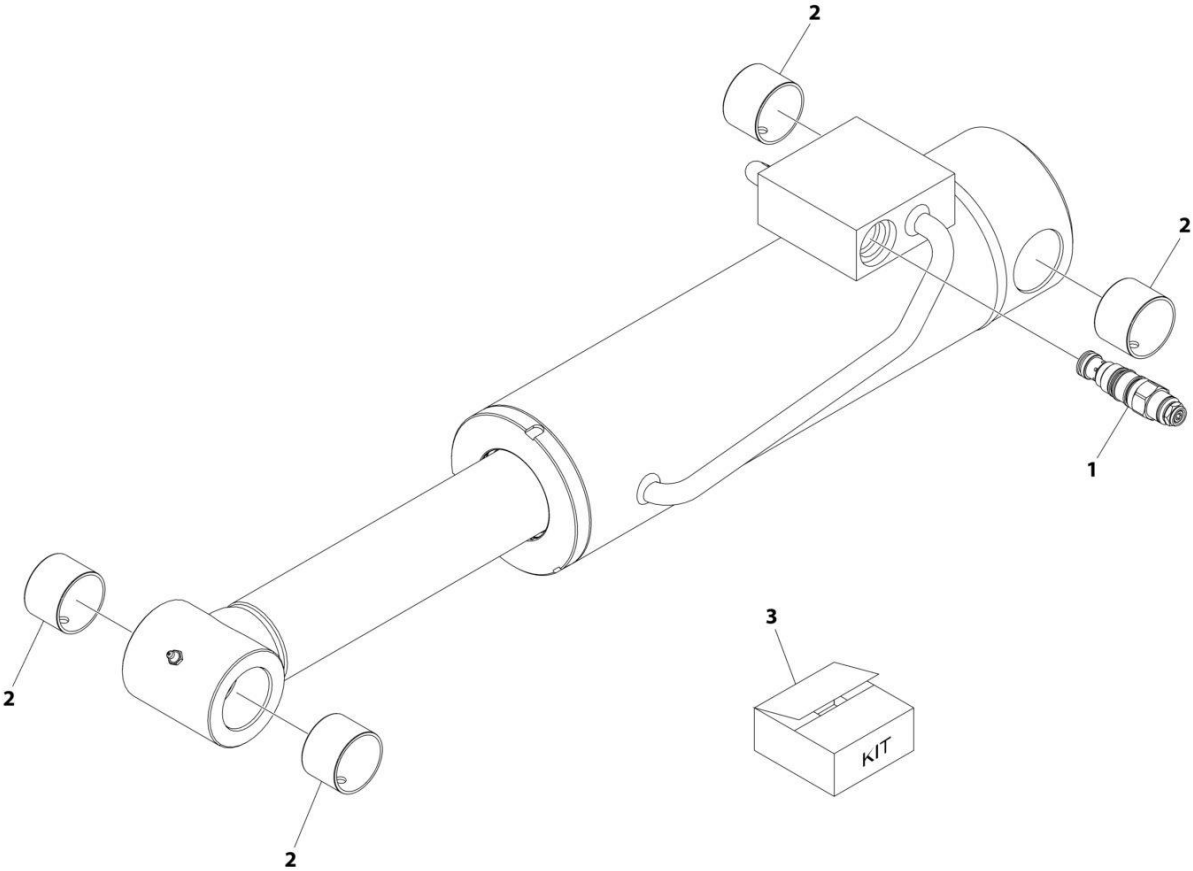
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FIGURE 8-13. TELESCOPE CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301850	Ref	TELESCOPE CYLINDER ASSEMBLY	A
	See Note	Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70031821	1	Cartridge, Valve	
2	70031822	2	Bushing	
3	70031823	1	Kit, Seal	

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FIGURE 8-14. TILT CYLINDER ASSEMBLY



ART_1001301975

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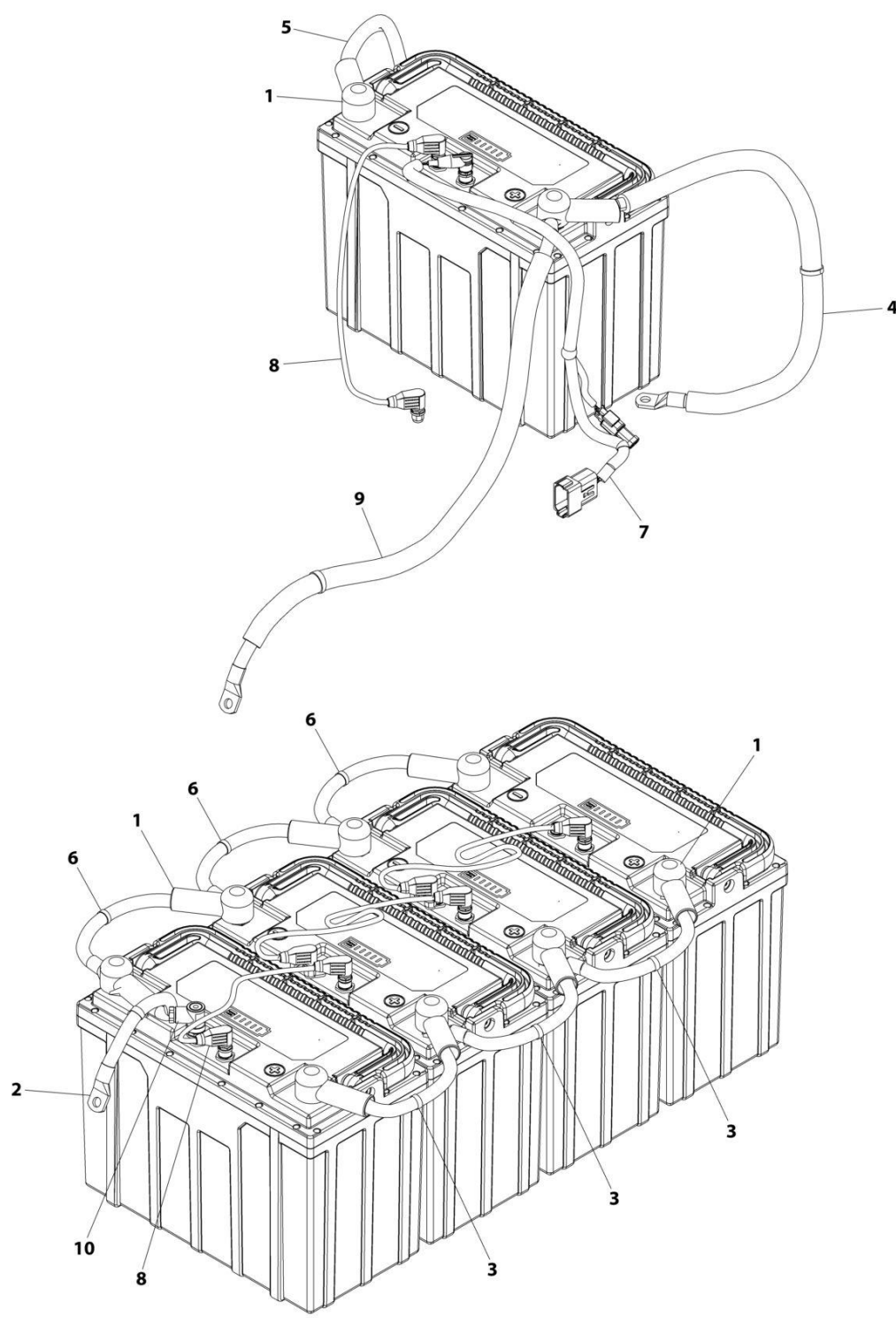
FIGURE 8-14. TILT CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301975	Ref	TILT CYLINDER ASSEMBLY	A
	See Note	Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
	See Note	Ref	Note: No Other Service Parts Available	
1	70031560	1	Cartridge	
2	70031561	4	Bushing	
3	70031562	1	Kit, Seal	

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FIGURE 9-1. BATTERY CABLES INSTALLATION - SIX BATTERY SYSTEMS



ART_1001307346

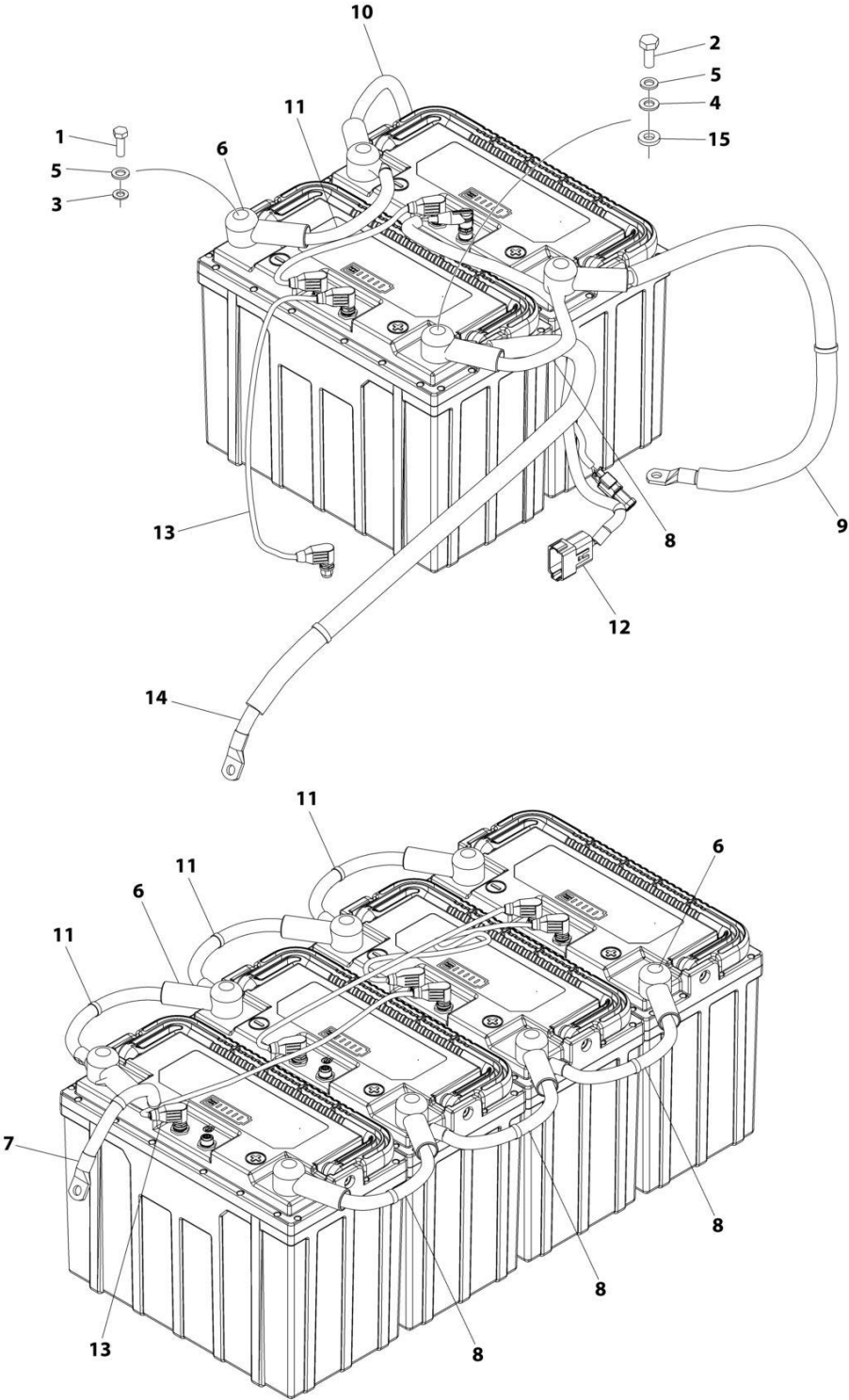
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FIGURE 9-1. BATTERY CABLES INSTALLATION - SIX BATTERY SYSTEMS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307346	Ref	BATTERY CABLES INSTALLATION	A
1	1001264674	10	Boot	
2	1001309320	1	Cable, Battery to Bussbar	
3	1001309321	3	Cable, Battery Jumper	
4	1001309322	1	Cable, Battery Jumper	
5	1001309323	1	Cable, Battery Jumper	
6	1001309324	3	Cable, Battery Jumper	
7	1001309325	1	Battery Harness (See Separate Breakdown in this Section)	
8	1001309326	4	Cable, Battery Link	
9	1001309327	1	Cable, Battery to Bussbar	
10	1001309396	1	Connector	

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FIGURE 9-2. BATTERY CABLES INSTALLATION - SEVEN BATTERY SYSTEMS



ART_1001308682

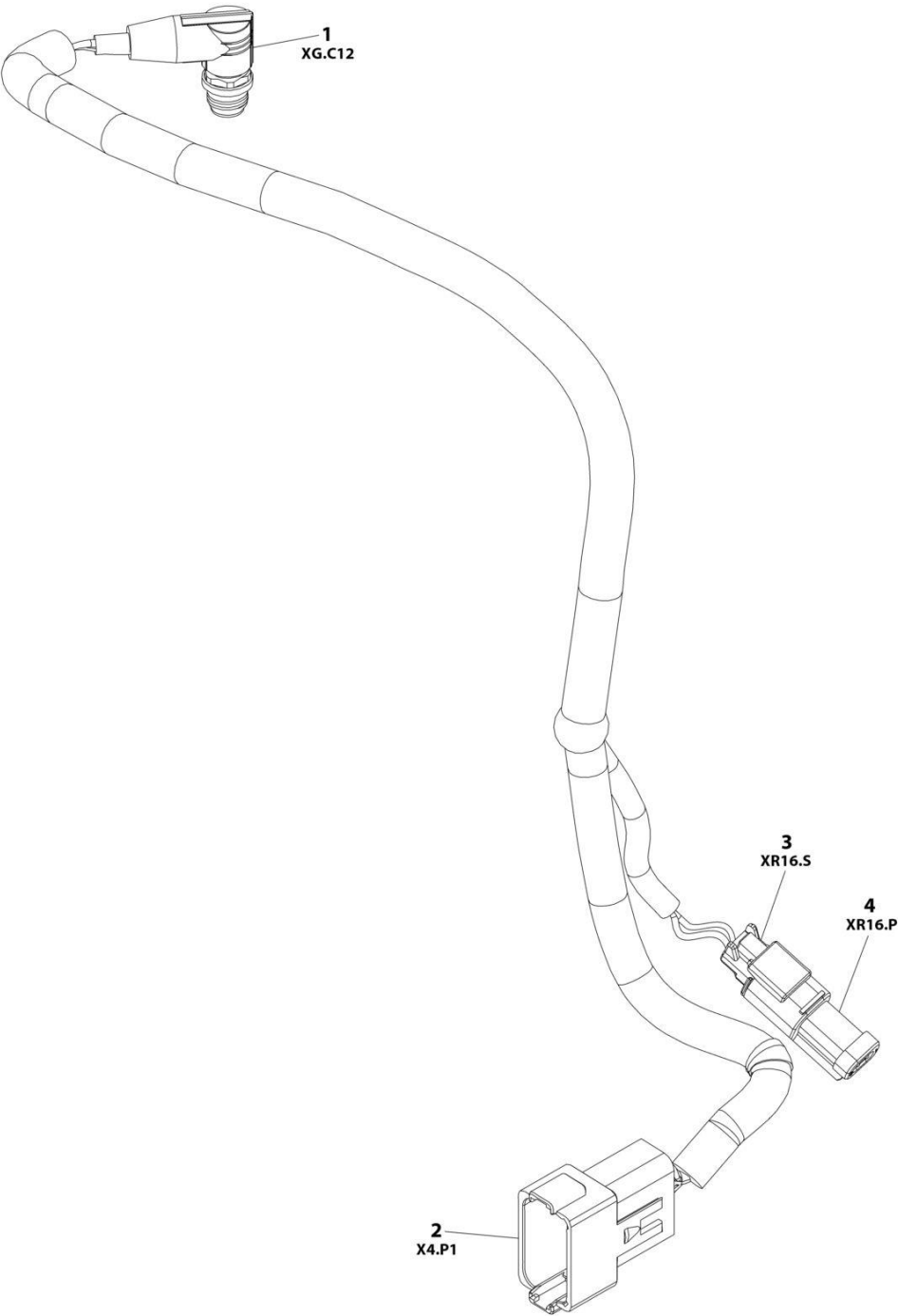
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FIGURE 9-2. BATTERY CABLES INSTALLATION - SEVEN BATTERY SYSTEMS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308682	Ref	BATTERY CABLES INSTALLATION	A
1	0760812	1	Bolt M8 x 25	
2	0761012	1	Bolt M10 x 25	
3	4811900	1	Washer M8	
4	4812000	1	Washer M10	
5	4832000	2	Washer M10	
6	1001264674	12	Boot	
7	1001309320	1	Cable, Battery to Bussbar	
8	1001309321	4	Cable, Battery Jumper	
9	1001309322	1	Cable, Battery Jumper	
10	1001309323	1	Cable, Battery Jumper	
11	1001309324	4	Cable, Battery Jumper	
12	1001309325	1	Battery Harness (See Separate Breakdown in this Section)	
13	1001309326	5	Cable, Battery Link	
14	1001309327	1	Cable, Battery to Bussbar	
15	1001309329	1	Washer M10	

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FIGURE 9-3. BATTERY HARNESS



ART_1001309325

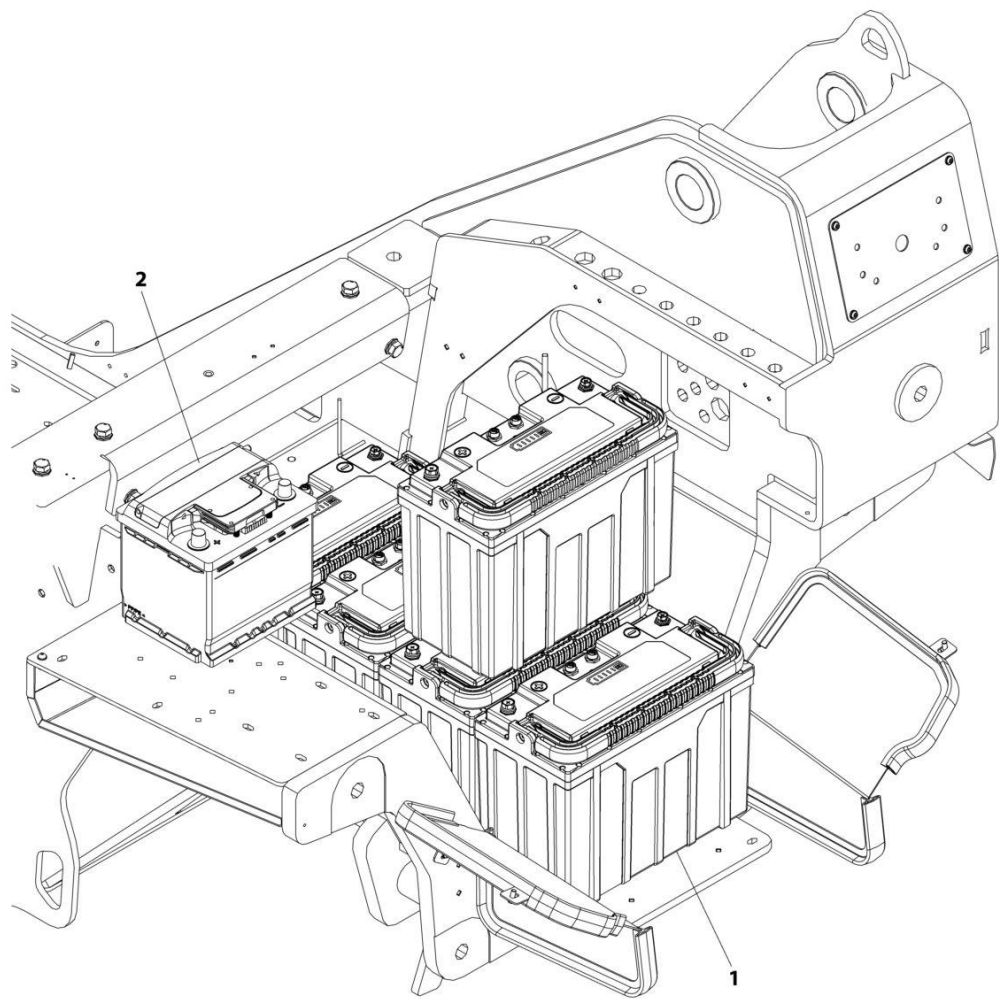
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FIGURE 9-3. BATTERY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001309325	Ref	BATTERY HARNESS	A
	See Note	Ref	Note: No Other Service Parts Available at Time of Printing	
1	NPN	1	Connector	
2	4460970	1	Connector	
2	1001116693	3	Pin - 14AWG to 18AWG	
2	NPN	3	Pin - 20AWG	
2	4460466	6	Plug	
3	4461290	1	Connector	
3	1001116694	2	Socket	
4	NPN	1	Connector	

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FIGURE 9-4. BATTERY INSTALLATION - SIX BATTERY SYSTEMS



ART_1001307343

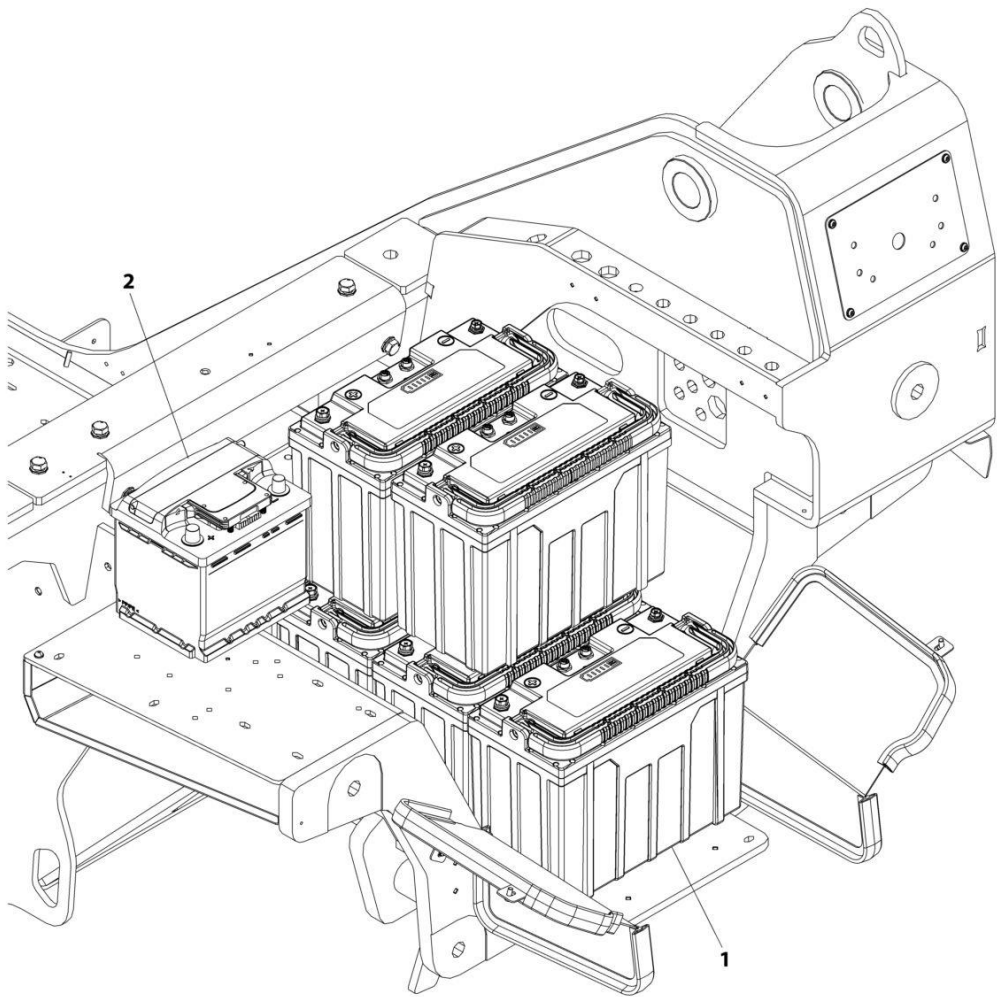
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FIGURE 9-4. BATTERY INSTALLATION - SIX BATTERY SYSTEMS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307343	Ref	BATTERY INSTALLATION	A
1	1001305780	5	Battery - 48V	
2	1001309065	1	Battery - 12V	

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FIGURE 9-5. BATTERY INSTALLATION - SEVEN BATTERY SYSTEMS



ART_1001308683

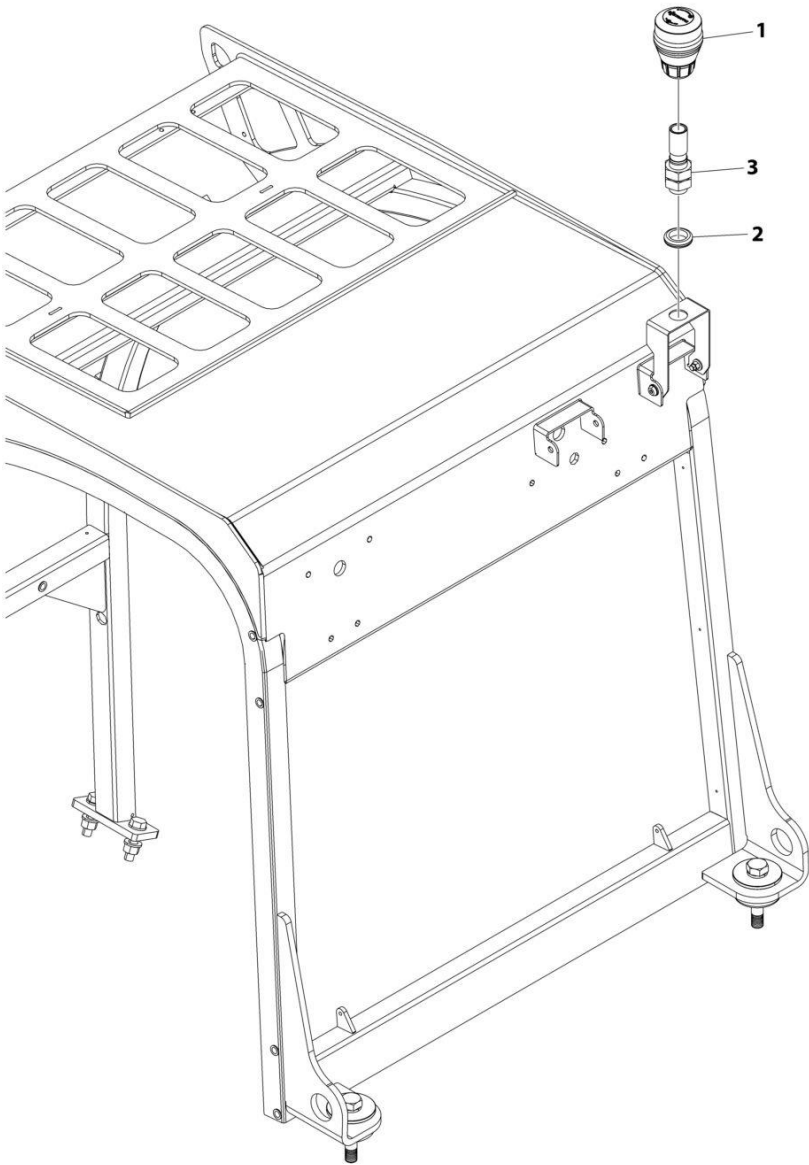
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FIGURE 9-5. BATTERY INSTALLATION - SEVEN BATTERY SYSTEMS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308683	Ref	BATTERY INSTALLATION	A
1	1001305780	6	Battery - 48V	
2	1001309065	1	Battery - 12V	

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FIGURE 9-6. BEACON INSTALLATION



ART_1001307828

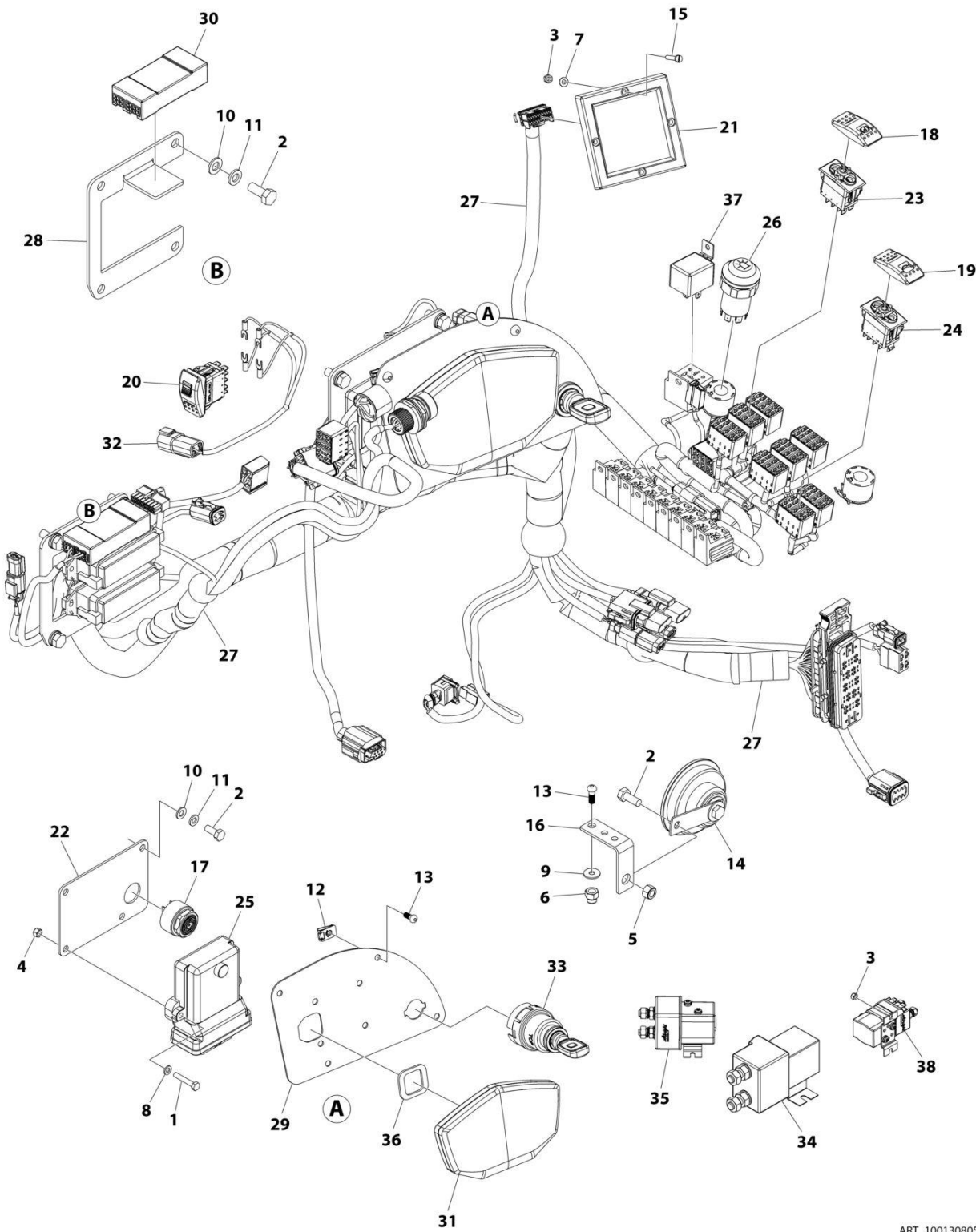
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FIGURE 9-6. BEACON INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307828	Ref	BEACON INSTALLATION	A
1	1001308516	1	Beacon	
2	1001309048	1	Grommet	
3	1001264268	1	Mount, Beacon	

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FIGURE 9-7. CAB ELECTRICAL INSTALLATION



ART_1001308056

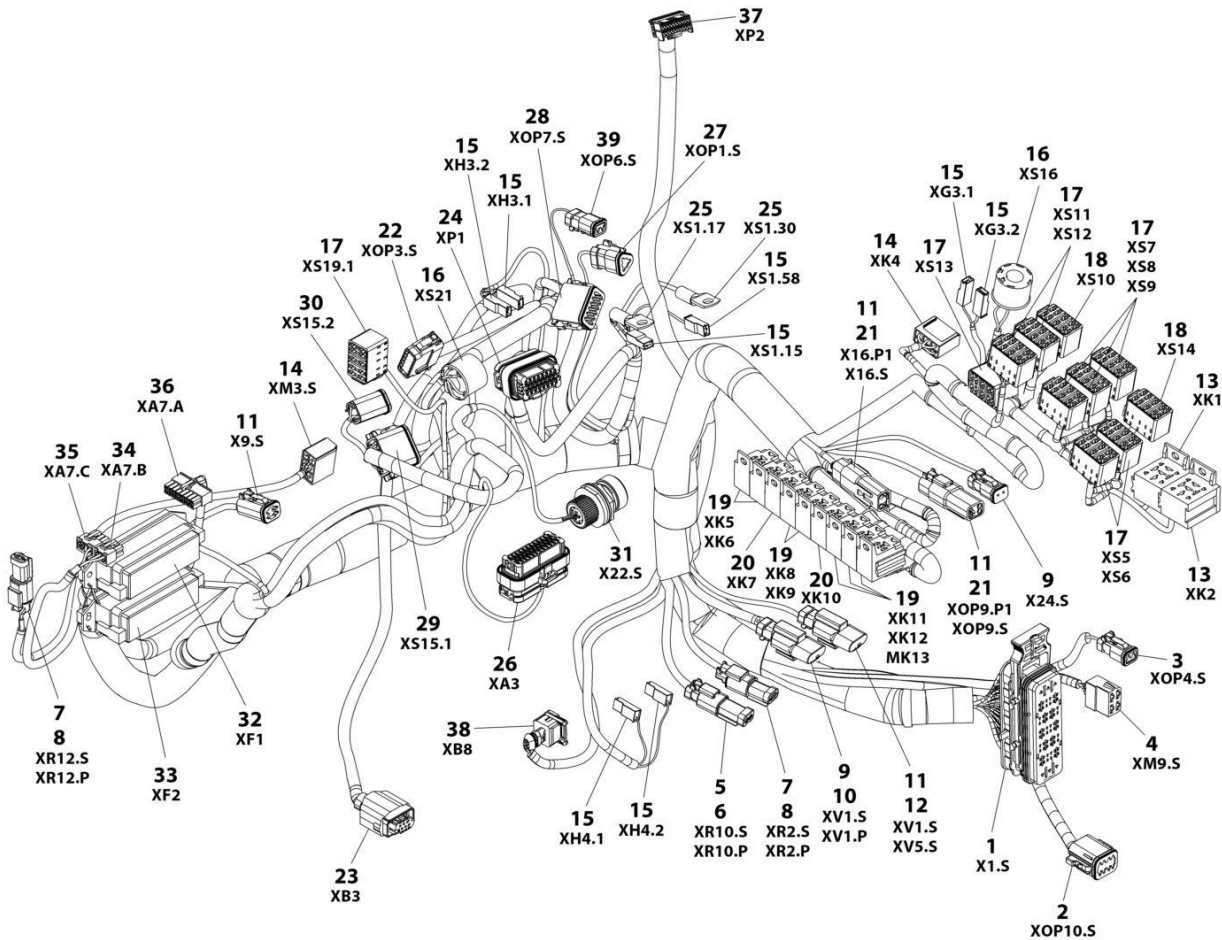
SECTION 9 - ELECTRICAL

FIGURE 9-7. CAB ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308056	Ref	CAB ELECTRICAL INSTALLATION	A
1	0700615	2	Bolt M6 x 35	
2	0760810	7	Bolt M8 x 20	
3	3290405	6	Nut M4	
4	3290605	2	Nut M6	
5	3290805	1	Nut M8	
6	3290806	1	Nut M8	
7	4811400	4	Washer M4	
8	4811700	2	Washer M6	
9	4811702	1	Washer M6	
10	4811900	6	Washer M8	
11	4831900	6	Washer M8	
12	8305919	4	Nut, Tinnerman M6	
13	1001262607	5	Capscrew M6 x 20 Class 10.9	
14	1001264273	1	Alarm, Horn	
15	1001264386	4	Capscrew M4 x 30	
16	1001304421	1	Bracket	
17	1001306644	1	Timer, Acoustic	
18	1001306645	1	Rocker, Parking Switch	
19	1001306646	1	Rocker, Horn Switch	
20	1001306647	1	Switch, Lockout	
21	1001306651	1	Display	
22	1001306652	1	Plate	
23	1001306657	1	Switch, Parking	
24	1001306659	1	Switch, Horn	
25	1001306666	1	Module, Control (Note: Re-calibration required when replaced)	
26	1001306670	1	Switch, Headlight	
27	1001308057	1	Cab Harness (See Separate Breakdown in this Section)	
28	1001308548	1	Bracket	
29	1001308552	1	Plate	
30	1001308554	1	Connector	
31	1001308555	1	Display	
32	1001308556	1	Harness, Emergency Stop	
32	1001281269	1	Connector	
32	1001116693	4	Pin	
32	NPN	4	Terminal, Ring	
33	1001308557	1	Switch, Ignition	
33	70031820	1	Key, Ignition (Set of Two)	
34	1001308559	1	Coil, Power - 350A	
35	1001308560	1	Coil, Power - 150A	
36	1001308562	1	Seal	
37	1001308566	1	Relay	
38	1001308946	1	Coil, Power - 80A (Located Behind Cab)	

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FIGURE 9-8. CAB HARNESS



ART_1001308057

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FIGURE 9-8. CAB HARNESS

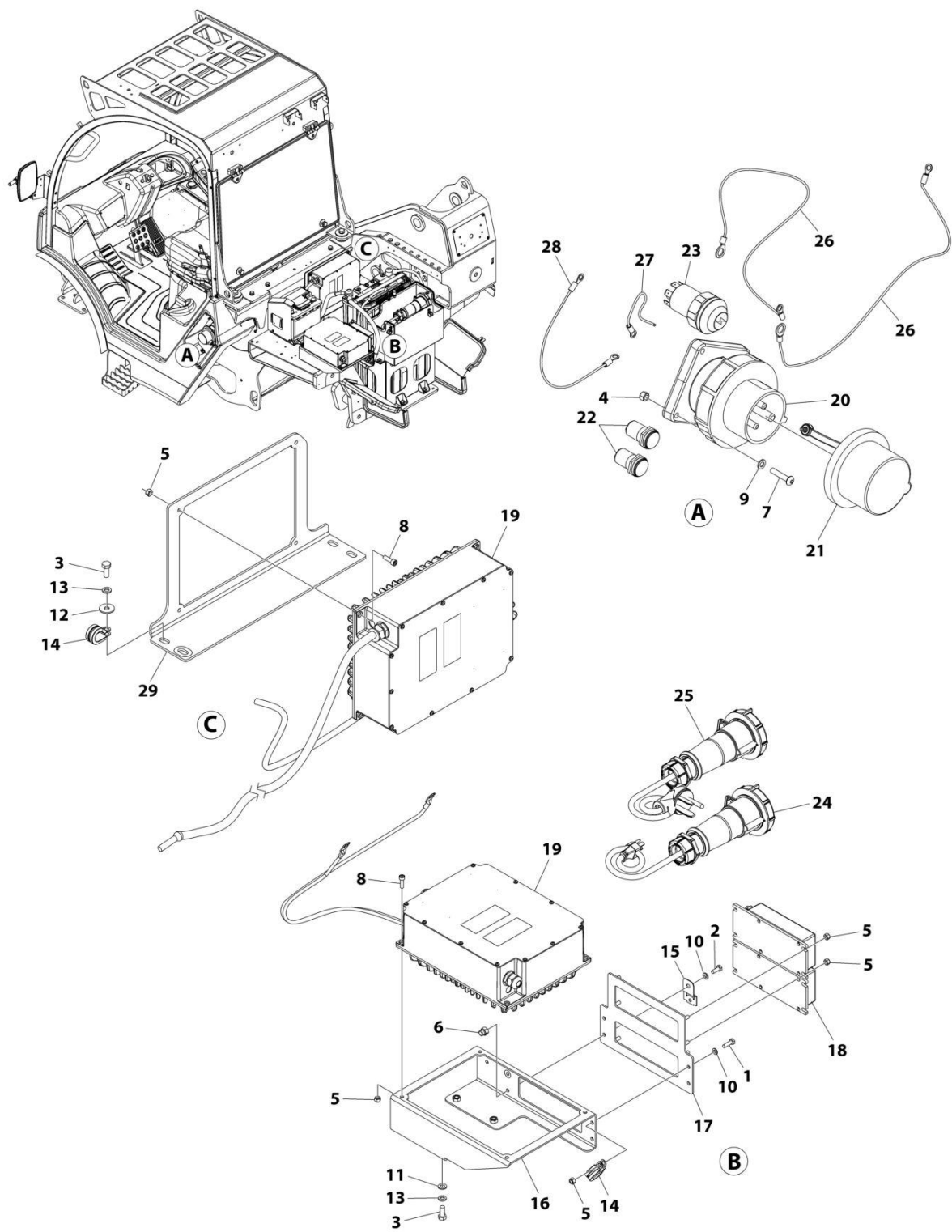
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308057	Ref	CAB HARNESS	A
	See Note	Ref	Note: No Other Service Parts Available at Time of Printing	
1	NPN	1	Connector	
1	1001163340	2	Plug	
2	NPN	1	Connector	
2	1001116692	1	Socket - 14AWG to 18AWG	
2	NPN	6	Socket - 20AWG	
2	4460466	1	Plug	
3	NPN	1	Connector	
3	1001116692	1	Socket	
3	4460466	1	Plug	
4	1001116986	1	Connector	
5	NPN	1	Connector	
6	NPN	1	Connector	
7	4461290	2	Connector	
7	1001116694	4	Socket	
8	NPN	2	Connector	
9	NPN	2	Connector	
9	1001116692	4	Socket	
10	1001116816	1	Connector	
11	1001220379	4	Connector	
12	NPN	1	Connector	
13	NPN	2	Connector	
14	NPN	2	Connector	
15	NPN	8	Connector	
16	NPN	2	Connector	
17	NPN	9	Connector	
18	NPN	2	Connector	
19	NPN	7	Relay	
20	NPN	2	Relay	
21	1001281269	2	Connector	
21	1001116693	4	Pin	
21	4460466	4	Plug	
22	1001116774	1	Connector	
22	1001116694	11	Socket	
22	4460518	1	Plug	
23	NPN	1	Connector	
23	1001274103	6	Socket	
23	1001274104	6	Seal	
24	NPN	1	Connector	
24	1001248223	9	Socket - 16AWG to 18AWG	
24	NPN	10	Socket - 20AWG	
24	1001248224	7	Plug	
25	NPN	2	Terminal, Ring	
26	4460873	1	Connector	
26	4460905	2	Plug	
27	NPN	1	Connector	
27	1001116692	4	Socket	
28	4460894	1	Connector	
28	1001116692	3	Socket - 14AWG to 18AWG	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
28	NPN	2	Socket - 20AWG	
28	4460466	1	Plug	
29	4460933	1	Connector	
29	1001116692	8	Socket - 14AWG to 18AWG	
29	NPN	4	Socket - 20AWG	
30	1001220379	1	Connector	
30	4460466	2	Plug	
31	1001271968	1	Connector	
31	4461071	4	Socket	
32	NPN	1	Fuseholder	
33	NPN	1	Fuseholder	
34	NPN	1	Connector	
35	NPN	1	Connector	
36	NPN	1	Connector	
37	1001116994	1	Connector	
37	4460905	10	Plug	
38	1001190322	1	Connector	
39	NPN	1	Connector	

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FIGURE 9-9. CHARGER INSTALLATION - DOUBLE



ART_1001307331

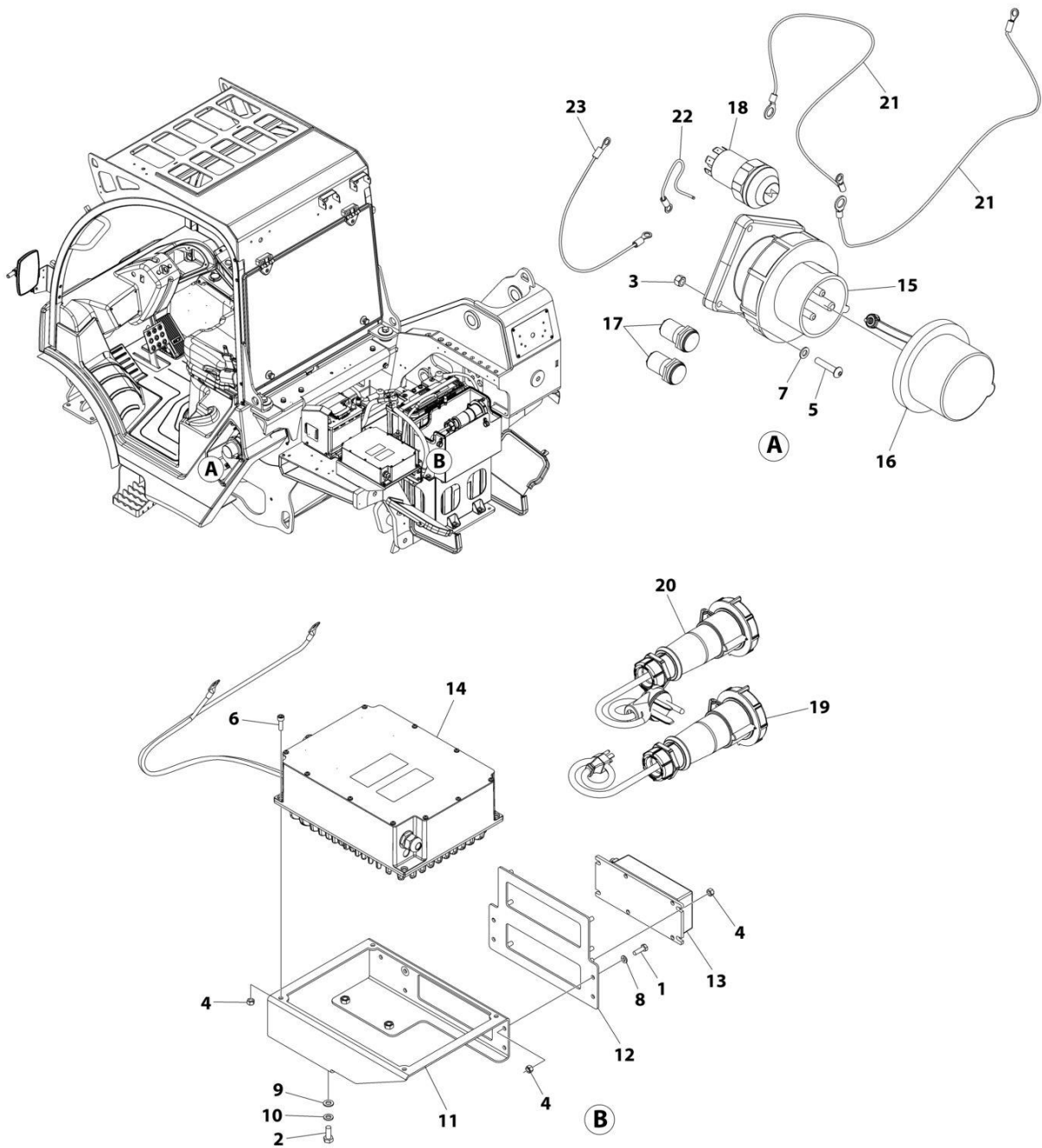
SECTION 9 - ELECTRICAL

FIGURE 9-9. CHARGER INSTALLATION - DOUBLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307331	Ref	CHARGER INSTALLATION	A
1	0700610	2	Bolt M6 x 20	
2	0760608	2	Bolt M6 x 16	
3	0760810	8	Bolt M8 x 20	
4	3290505	4	Nut M5	
5	3290605	18	Nut M6	
6	3290806	2	Nut M8	
7	3900352	4	Capscrew M5 x 25 Class 10.9	
8	4031708	8	Capscrew M6 x 20	
9	4811600	4	Washer M5	
10	4811700	4	Washer M6	
11	4811900	4	Washer M8	
12	4811902	4	Washer M8	
13	4831900	8	Washer M8	
14	1001262471	2	Clamp	
15	1001306640	1	Clip	
16	1001308836	1	Mount, Battery Charger	
17	1001308837	1	Mount, Transformer	
18	1001309064	2	Transformer	
19	1001309066	2	Charger, Battery	
20	1001309578	1	Connector	
21	1001309579	1	Cap	
22	1001309580	2	Lamp, Indicator	
23	1001309581	1	Switch, Charging	
24	1001309582	1	Plug	
25	1001309583	1	Plug	
26	1001309584	2	Cable, Ground	
27	1001309585	1	Cable, Ground	
28	1001309586	1	Cable, Ground	
29	1001309769	1	Mount, Battery Charger	

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FIGURE 9-10. CHARGER INSTALLATION - SINGLE



ART_1001307330

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FIGURE 9-10. CHARGER INSTALLATION - SINGLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307330	Ref	CHARGER INSTALLATION	A
1	0700610	4	Bolt M6 x 20	
2	0760810	4	Bolt M8 x 20	
3	3290505	4	Nut M5	
4	3290605	12	Nut M6	
5	3900352	4	Capscrew M5 x 25 Class 10.9	
6	4031708	4	Capscrew M6 x 20	
7	4811600	4	Washer M5	
8	4811700	4	Washer M6	
9	4811900	4	Washer M8	
10	4831900	4	Washer M8	
11	1001308836	1	Mount, Battery Charger	
12	1001308837	1	Mount, Transformer	
13	1001309064	1	Transformer	
14	1001309066	1	Charger, Battery	
15	1001309578	1	Connector	
16	1001309579	1	Cap	
17	1001309580	2	Lamp, Indicator	
18	1001309581	1	Switch, Charging	
19	1001309582	1	Plug	
20	1001309583	1	Plug	
21	1001309584	2	Cable, Ground	
22	1001309585	1	Cable, Ground	
23	1001309586	1	Cable, Ground	

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FIGURE 9-11. FRAME HARNESS

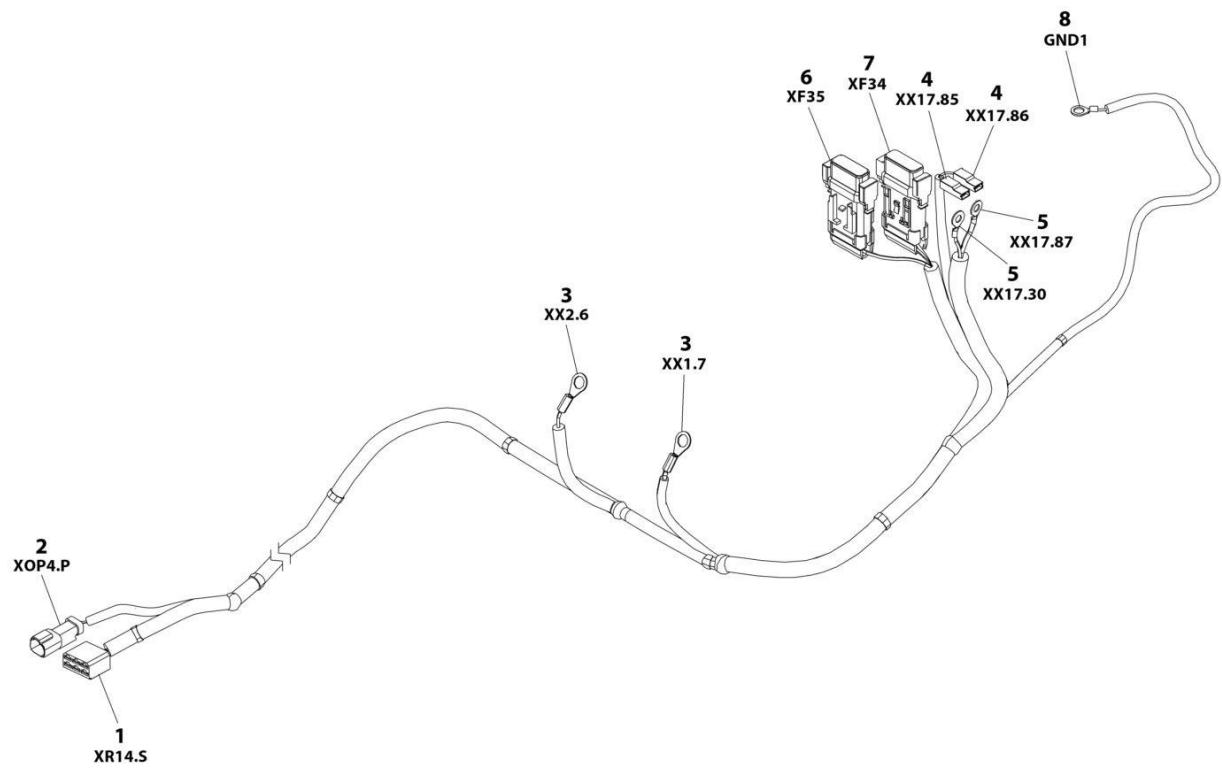
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307345	Ref	FRAME HARNESS	A
	See Note	Ref	Note: No Other Service Parts Available at Time of Printing	
1	NPN	1	Connector	
2	4461290	4	Connector	
2	1001116694	8	Socket	
3	NPN	7	Connector	
4	4460873	1	Connector	
4	4460905	26	Plug	
5	4460894	1	Connector	
5	1001116692	2	Socket - 14AWG to 18AWG	
5	NPN	4	Socket - 20AWG	
6	NPN	13	Connector	
6	1001116692	26	Socket	
7	NPN	1	Connector	
8	NPN	2	Connector	
8	4460466	2	Plug	
9	4461077	3	Connector	
9	1001116694	12	Socket	
10	4460970	1	Connector	
10	1001116693	3	Pin - 14AWG to 18AWG	
10	NPN	8	Pin - 20AWG	
10	4460466	1	Plug	
11	1001220379	1	Connector	
12	4461229	2	Connector	
12	1001104497	4	Pin	
12	1001116698	6	Plug	
12	1001104498	4	Seal	
13	NPN	1	Connector	
14	NPN	1	Connector	
15	1001190322	1	Connector	
16	NPN	1	Connector	
16	1001116692	3	Socket	
17	NPN	3	Terminal, Ring	
18	NPN	2	Connector	
19	4460878	2	Connector	
19	4460887	8	Socket	
20	NPN	1	Terminal, Ring	
21	NPN	1	Terminal, Ring	
22	4461128	1	Connector	
22	1001237212	3	Socket	
22	4461008	2	Plug	
22	1001197457	3	Seal	
23	1001262473	1	Fuseholder	
24	4460933	1	Connector	
24	1001116692	4	Socket - 14AWG to 18AWG	
24	NPN	4	Socket - 20AWG	
24	4460466	4	Plug	
25	4460911	2	Connector	
25	1001116694	4	Socket	
25	4460518	2	Plug	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
26	NPN	1	Connector	
27	4460933	1	Connector	
27	1001116692	11	Socket - 14AWG to 18AWG	
27	NPN	1	Socket - 20AWG	
28	1001116994	1	Connector	
28	4460905	14	Plug	
29	NPN	2	Connector	

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FIGURE 9-12. HEATER HARNESS



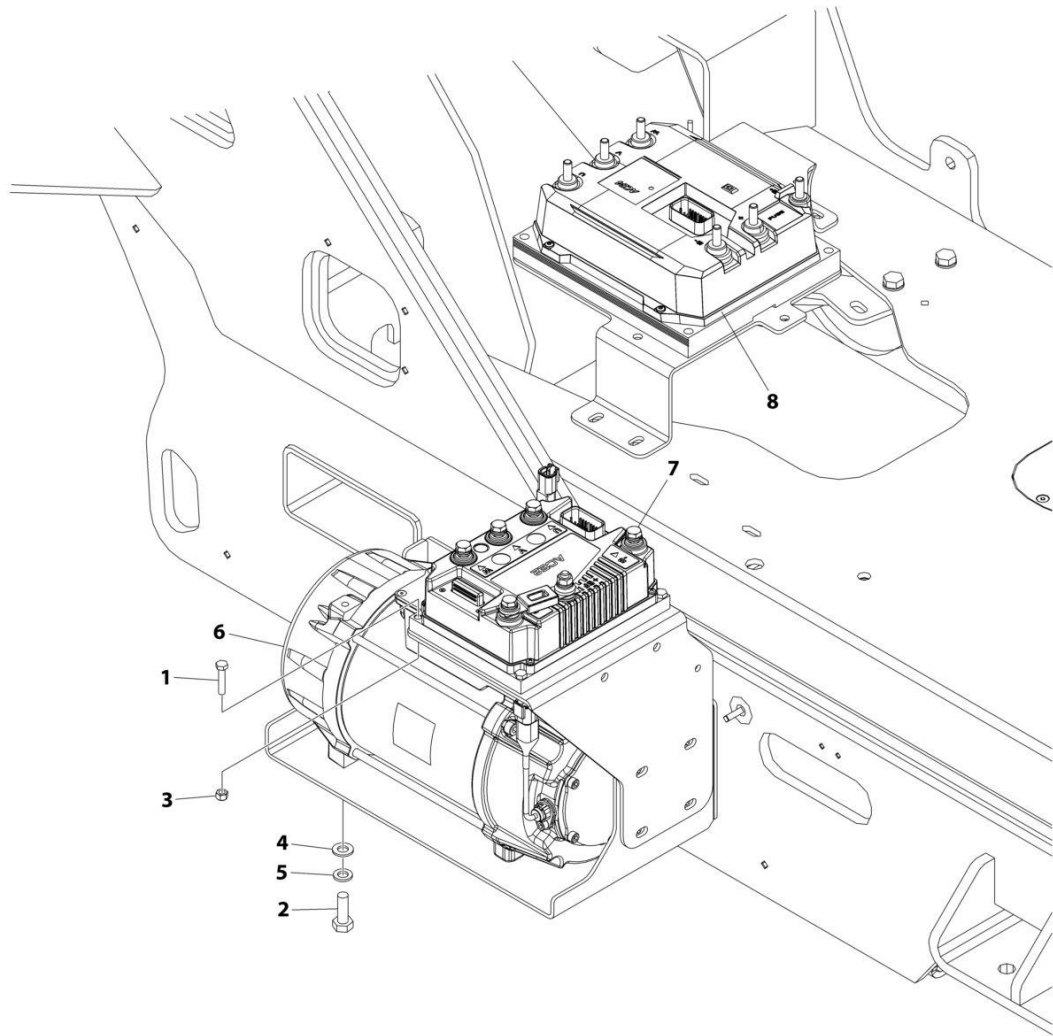
ART_1001308905

FIGURE 9-12. HEATER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308905	Ref	HEATER HARNESS	A
	See Note	Ref	Note: No Other Service Parts Available at Time of Printing	
1	NPN	1	Connector	
2	NPN	1	Connector	
2	1001116692	1	Socket	
2	4460466	1	Plug	
3	NPN	2	Terminal, Ring	
4	NPN	2	Connector	
5	NPN	2	Terminal, Ring	
6	NPN	1	Fuseholder	
7	NPN	1	Fuseholder	
8	NPN	1	Terminal, Ring	

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FIGURE 9-13. IMPLEMENT MOTOR INSTALLATION



ART_1001307342

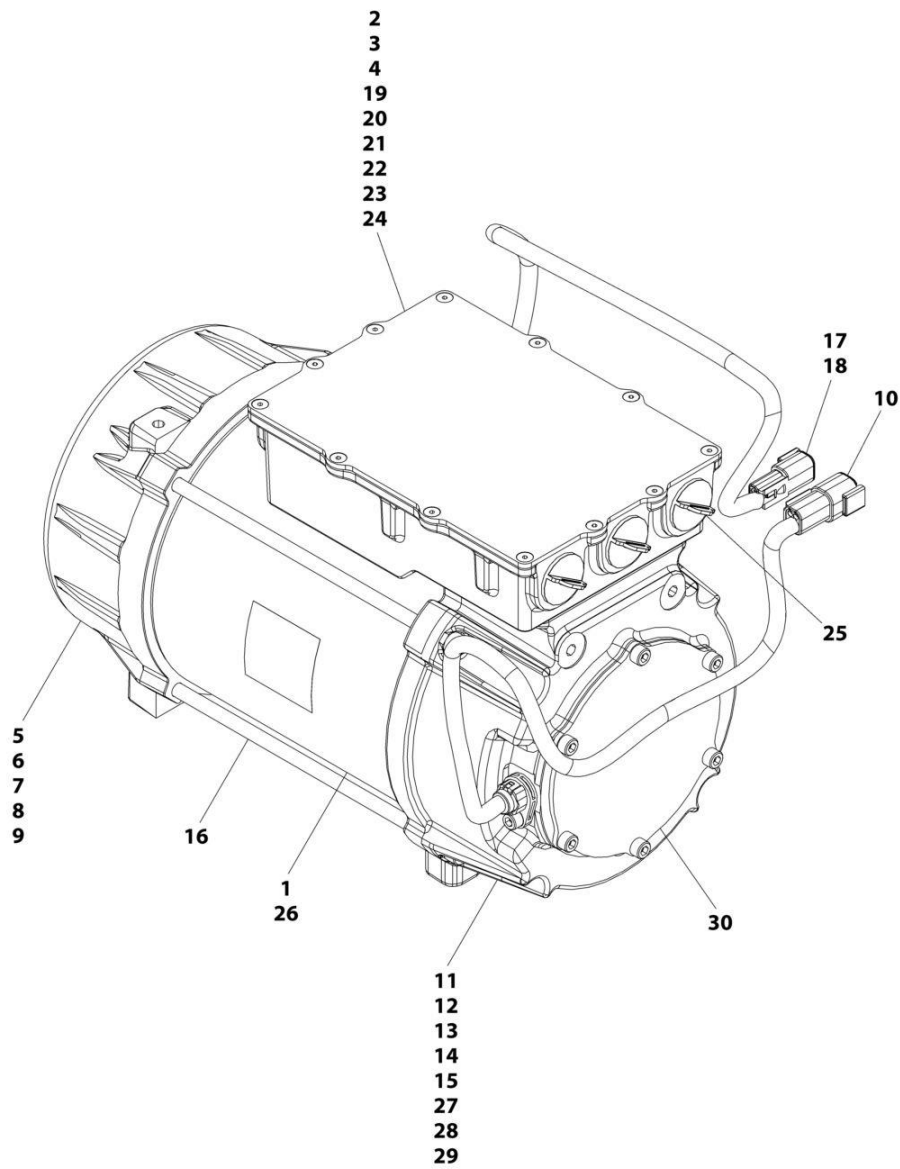
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FIGURE 9-13. IMPLEMENT MOTOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307342	Ref	IMPLEMENT MOTOR INSTALLATION	A
1	0700614	4	Bolt M6 x 30	
2	0761014	4	Bolt M10 x 30	
3	3290605	4	Nut M6	
4	4812000	4	Washer M10	
5	4832000	4	Washer M10	
6	1001307672	1	Implement Motor Assembly (See Separate Breakdown in this Section)	
7	1001307673	1	Module, Implement Motor Control (Note: Re-calibration required when replaced)	
8	1001307674	1	Module, Control (Note: Re-calibration required when replaced)	

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FIGURE 9-14. IMPLEMENT MOTOR ASSEMBLY



ART_1001307672

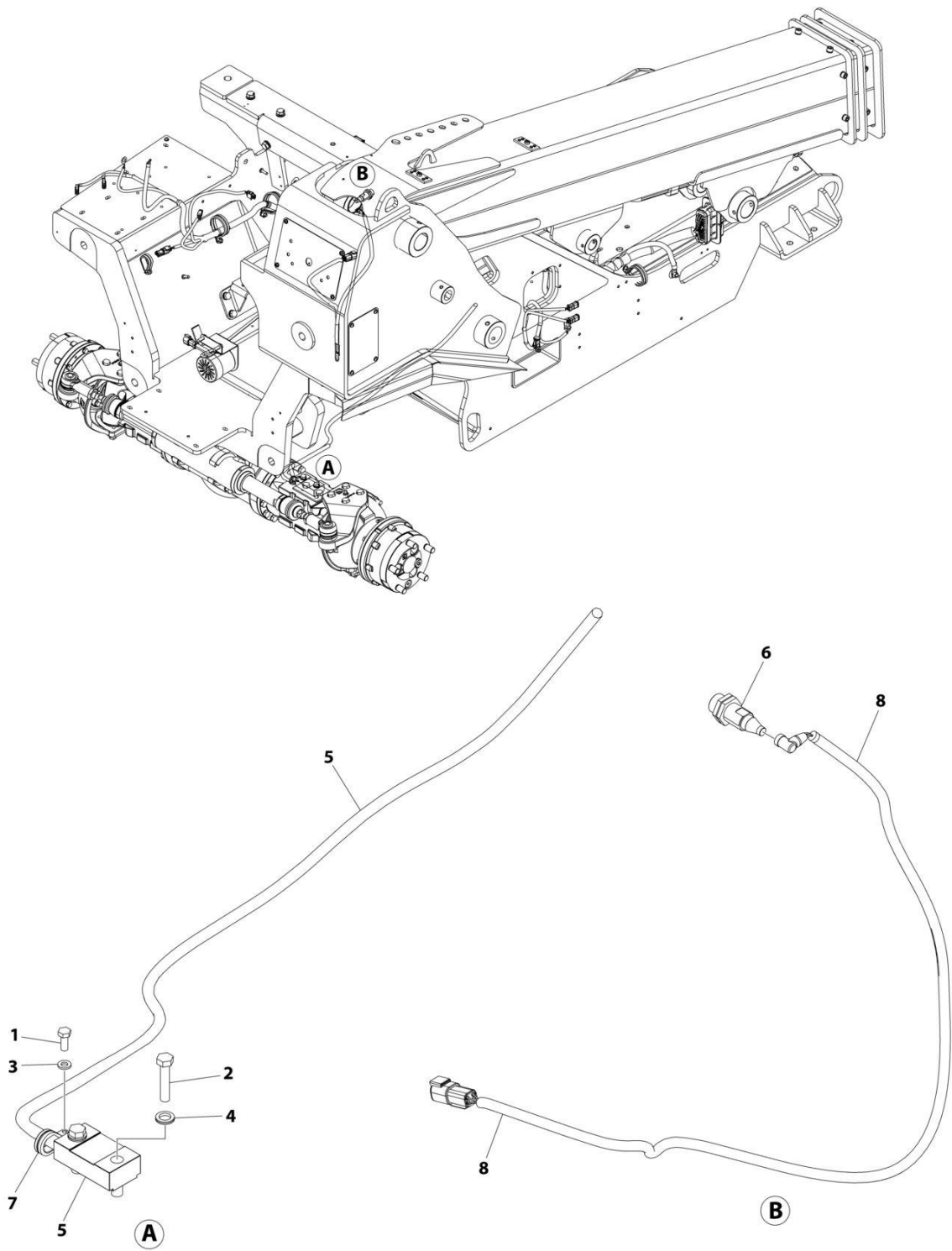
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FIGURE 9-14. IMPLEMENT MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307672	Ref	IMPLEMENT MOTOR ASSEMBLY	A
1	70031788	1	Stator	
2	70031789	1	Board, Terminal	
3	70031790	1	Clamp	
4	70031791	1	Bolt M5 x 12	
5	See Note	1	Cover (Note: Not Sold Separately)	
6	70031792	1	O-Ring	
7	70031793	1	Bearing	
8	70005393	1	Washer	
9	70031794	1	Seal	
10	70031795	1	Sensor, Speed	
10	1001097051	1	Connector	
10	4460929	4	Pin	
11	See Note	1	Cover (Note: Not Sold Separately)	
12	70031796	1	O-Ring	
13	70005404	1	Bearing	
14	70005405	1	Circlip	
15	70005408	1	O-Ring	
16	70031797	4	Bolt M8 x 220	
17	70031798	1	Sensor, Temperature	
18	70031799	1	Cable	
18	1001126243	1	Connector	
18	4460929	2	Pin	
19	70031800	1	Box	
20	70031801	1	Gasket	
21	70005395	4	Bolt M6 x 16	
22	70031802	1	Cover	
23	70031803	1	Gasket, Cover	
24	70031804	1	Plug	
25	70031805	3	Plug, Locking	
26	70031806	1	Rotor	
27	70031807	1	Circlip	
28	70004822	1	Ring	
29	70004818	1	Gear	
30	70031808	1	Cover (Includes Hardware)	

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FIGURE 9-15. LSI SENSORS INSTALLATION



ART_1001306133

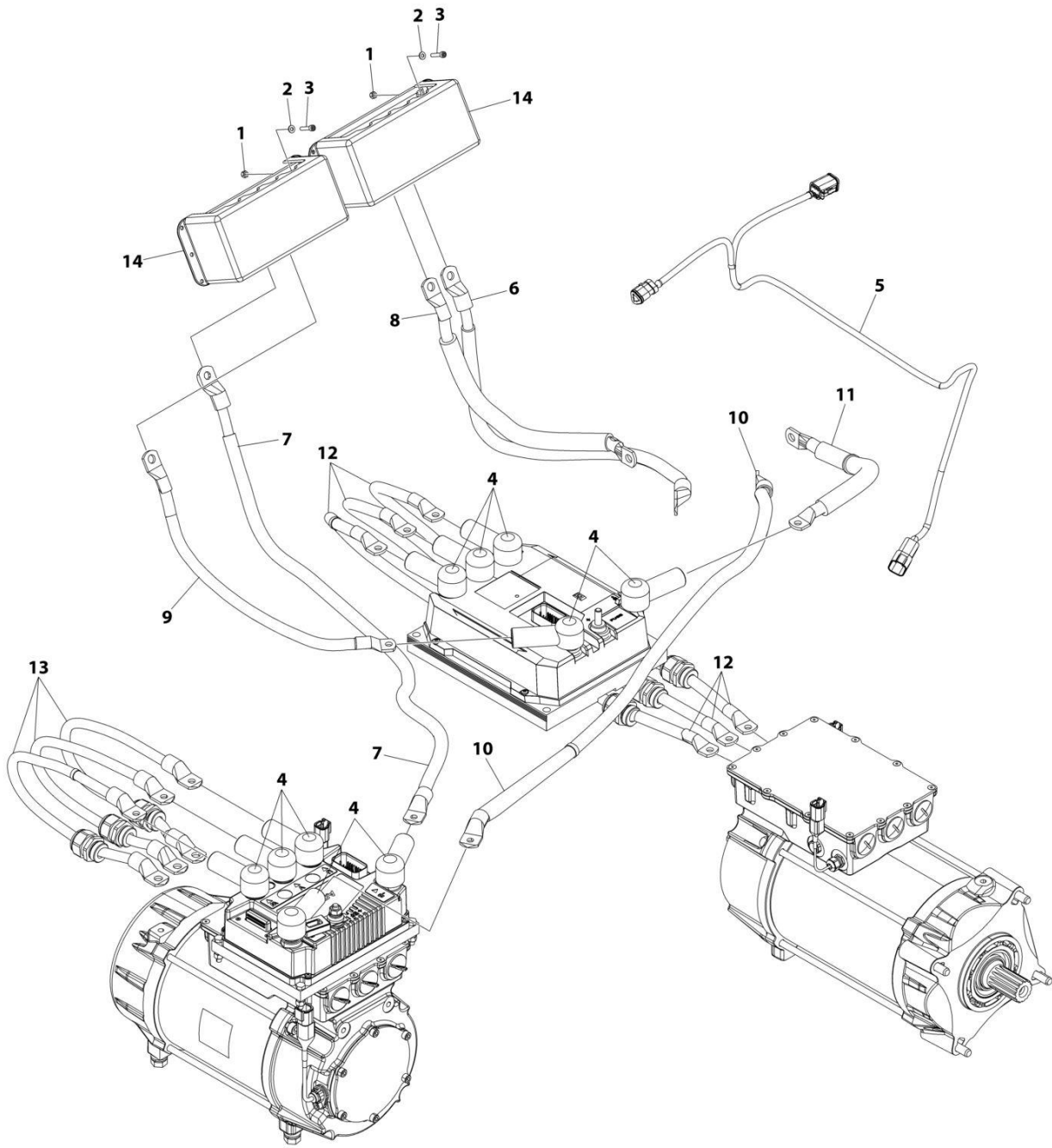
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FIGURE 9-15. LSI SENSORS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306133	Ref	LSI SENSORS INSTALLATION	A
1	0760608	1	Bolt M6 x 16	
2	0770816	2	Bolt M8 x 40	
3	4831700	1	Washer M6	
4	1001261551	2	Washer M10	
5	1001264369	1	Sensor, LSI Axle	
6	1001264370	1	Sensor, Proximity	
7	1001264372	1	Clamp	
8	1001264452	1	Harness, LSI Jumper	

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FIGURE 9-16. MOTOR CABLES INSTALLATION



ART_1001307344

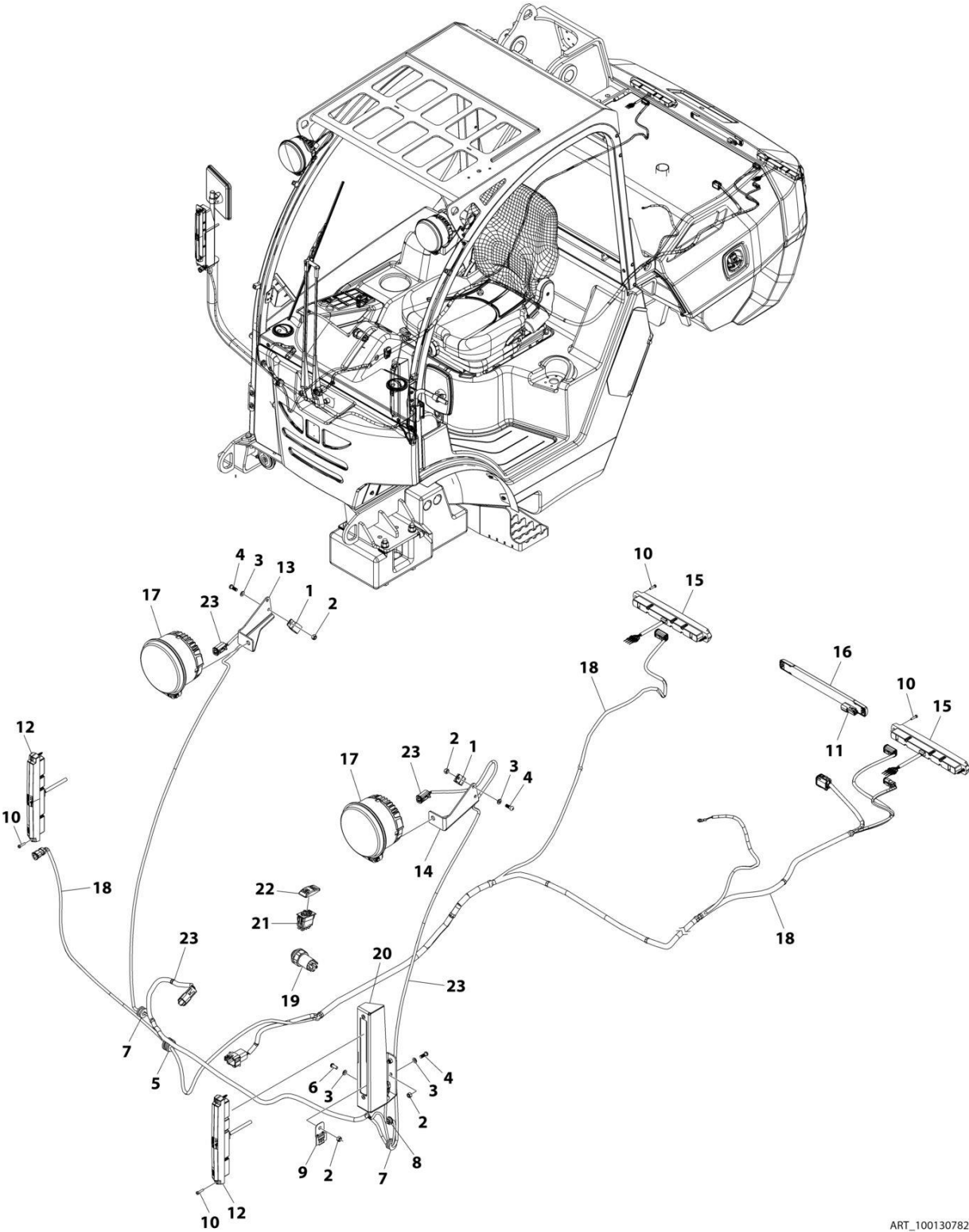
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FIGURE 9-16. MOTOR CABLES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307344	Ref	MOTOR CABLES INSTALLATION	A
1	3290405	8	Nut M4	
2	4811400	8	Washer M4	
3	1001110269	8	Capscrew M4 x 20	
4	1001264674	10	Boot	
5	1001308356	1	Seat Jumper Harness (See Separate Breakdown in this Section)	
6	1001308357	1	Cable, Power Coil to Bussbar	
7	1001308358	1	Cable, Implement Module to Bussbar	
8	1001308359	1	Cable, Power Coil to Bussbar	
9	1001308360	1	Cable, Control Module to Bussbar	
10	1001308361	1	Cable, Implement Module to Power Coil	
11	1001308362	1	Cable, Control Module to Power Coil	
12	1001308363	3	Cable, Control Module to Drive Motor	
13	1001308364	3	Cable, Implement Module to Implement Motor	
14	1001308373	2	Bussbar	

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FIGURE 9-17. ROAD LIGHTS INSTALLATION



ART_1001307827

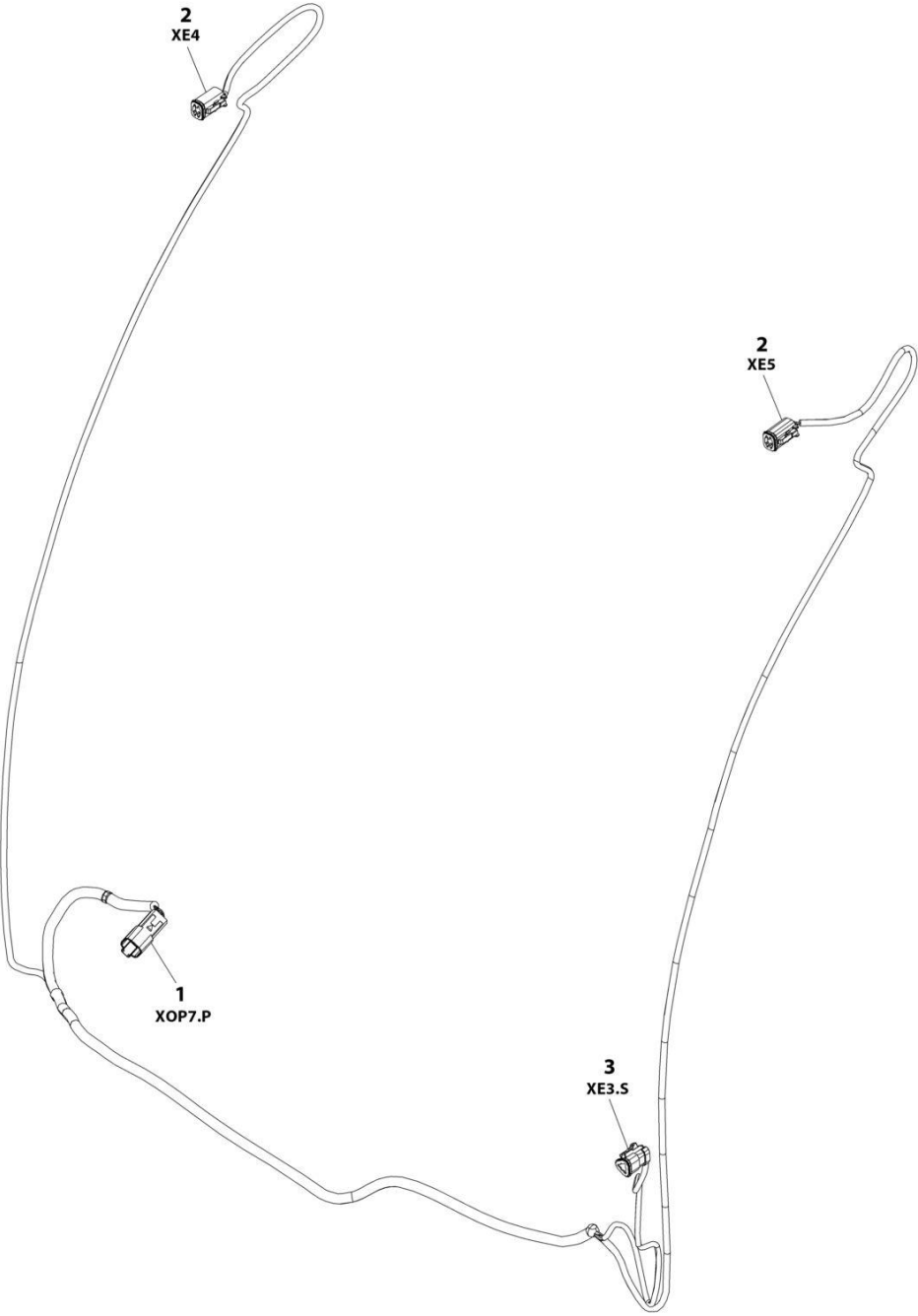
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FIGURE 9-17. ROAD LIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001307827	Ref	ROAD LIGHTS INSTALLATION	A
1	1321296	2	Clamp	
2	3290605	7	Nut M6	
3	4811700	7	Washer M6	
4	1001262607	6	Capscrew M6 x 20 Class 10.9	
5	1001264009	1	Plug	
6	1001264021	1	Capscrew M6 x 15 Class 10.9	
7	1001264529	2	Grommet	
8	1001264673	1	Grommet	
9	1001306640	1	Clip	
10	1001306660	8	Screw M4 x 20	
11	1001309542	1	Connector	
12	1001309543	2	Light, Front	
13	1001309547	1	Bracket, Roof Light - Right	
14	1001309548	1	Bracket, Roof Light - Left	
15	1001309550	2	Light, Rear - Right & Left	
16	1001309551	1	Light, Rear - Center	
17	1001309552	2	Light, Roof	
18	1001309553	1	Road Lights Harness - Frame (See Separate Breakdown in this Section)	
19	1001309554	1	Switch, Hazard Light	
20	1001309555	1	Bracket	
21	1001309556	1	Switch, Light	
22	1001309558	1	Rocker, Light Switch	
23	1001309563	1	Road Lights Harness - Cab (See Separate Breakdown in this Section)	

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FIGURE 9-18. ROAD LIGHTS HARNESS - CAB



ART_1001309563

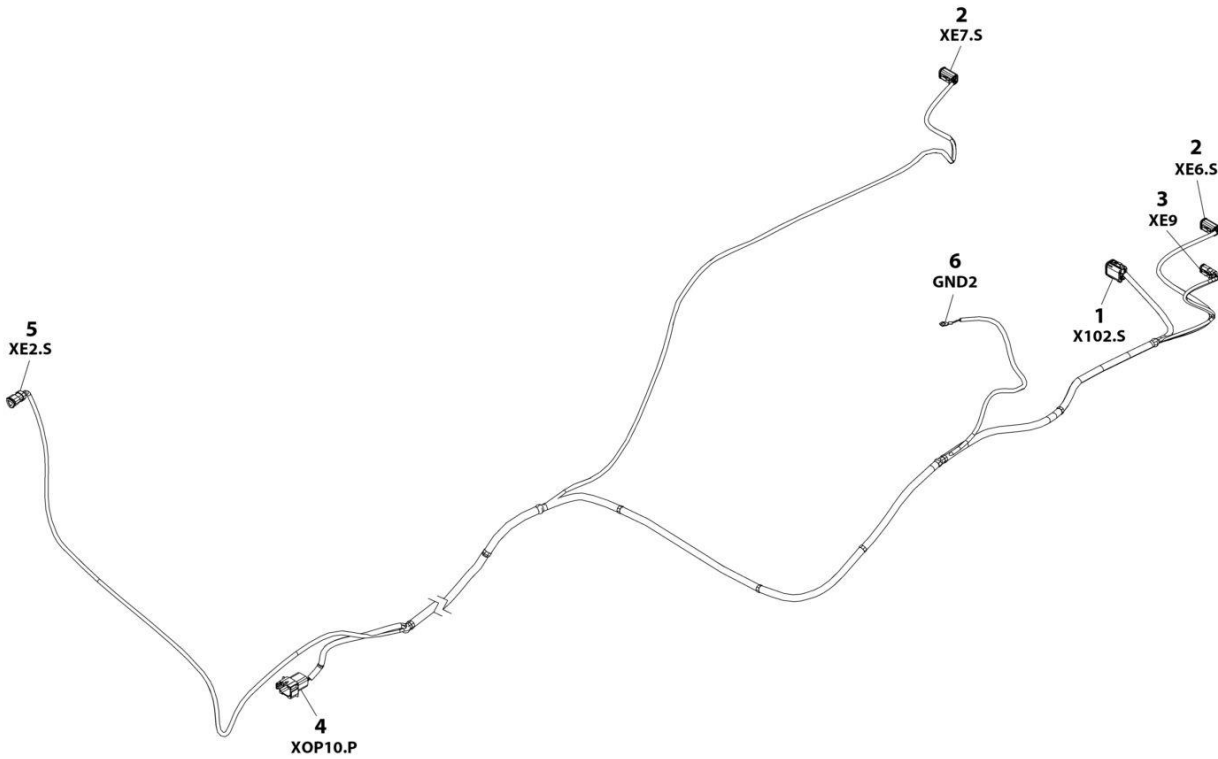
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FIGURE 9-18. ROAD LIGHTS HARNESS - CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001309563	Ref	WORKLIGHT HARNESS	A
	See Note	Ref	Note: No Other Service Parts Available at Time of Printing	
1	4460899	1	Connector	
1	1001116692	3	Socket - 14AWG to 18AWG	
1	NPN	2	Socket - 20AWG	
1	4460466	1	Plug	
2	1001220379	2	Connector	
2	4460466	2	Plug	
3	NPN	1	Connector	

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FIGURE 9-19. ROAD LIGHTS HARNESS - FRAME



ART_1001309553

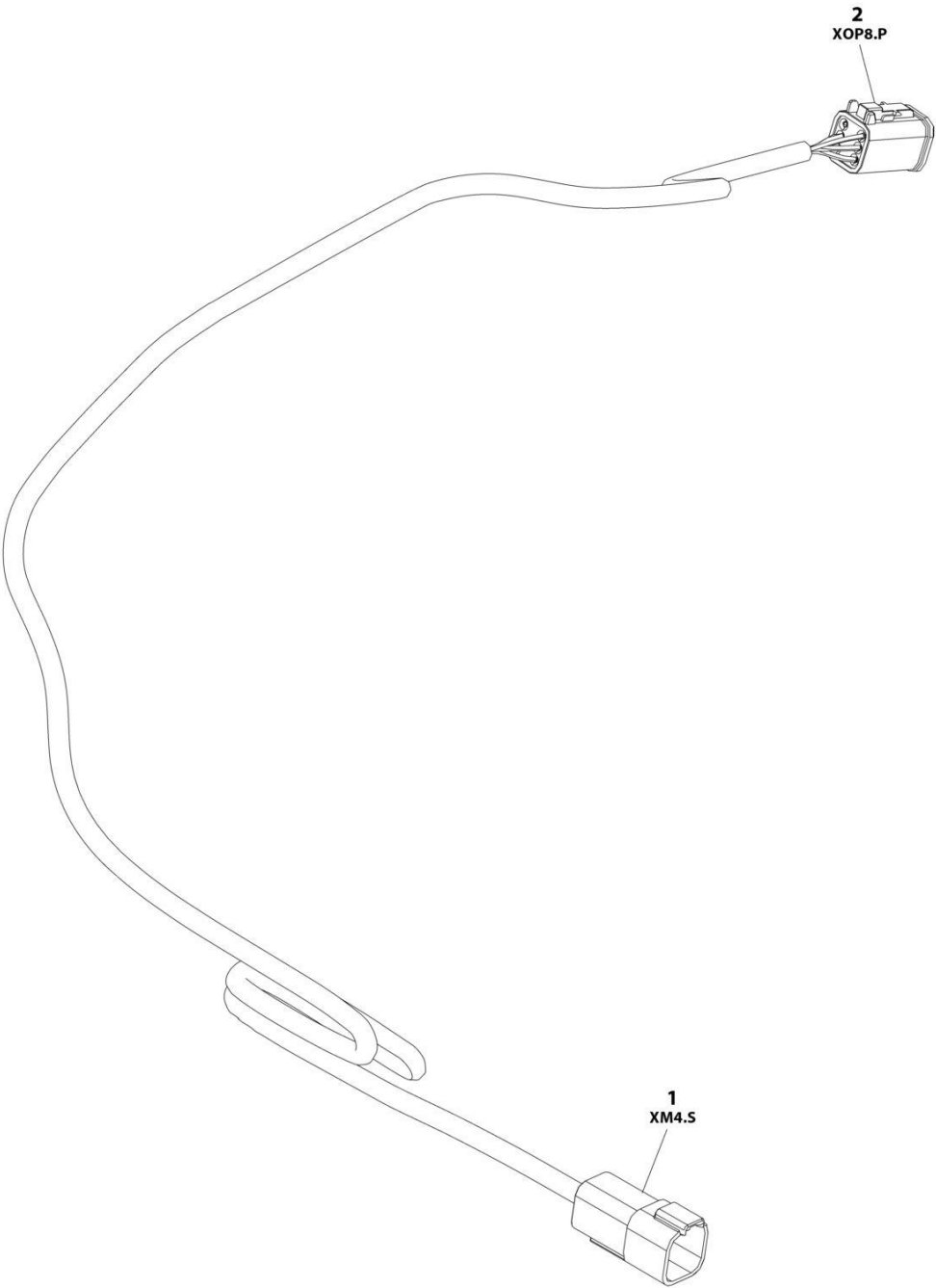
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FIGURE 9-19. ROAD LIGHTS HARNESS - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001309553	Ref	WORKLIGHT HARNESS	A
	See Note	Ref	Note: No Other Service Parts Available at Time of Printing	
1	NPN	1	Connector	
1	1001116692	1	Socket - 14AWG to 18AWG	
1	NPN	5	Socket - 20AWG	
1	4460466	2	Plug	
2	1001220379	2	Connector	
3	NPN	1	Connector	
4	4460931	1	Connector	
4	4460466	1	Plug	
5	NPN	1	Connector	
6	NPN	1	Terminal, Ring	

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FIGURE 9-20. ROOF WIPER HARNESS



ART_1001265306

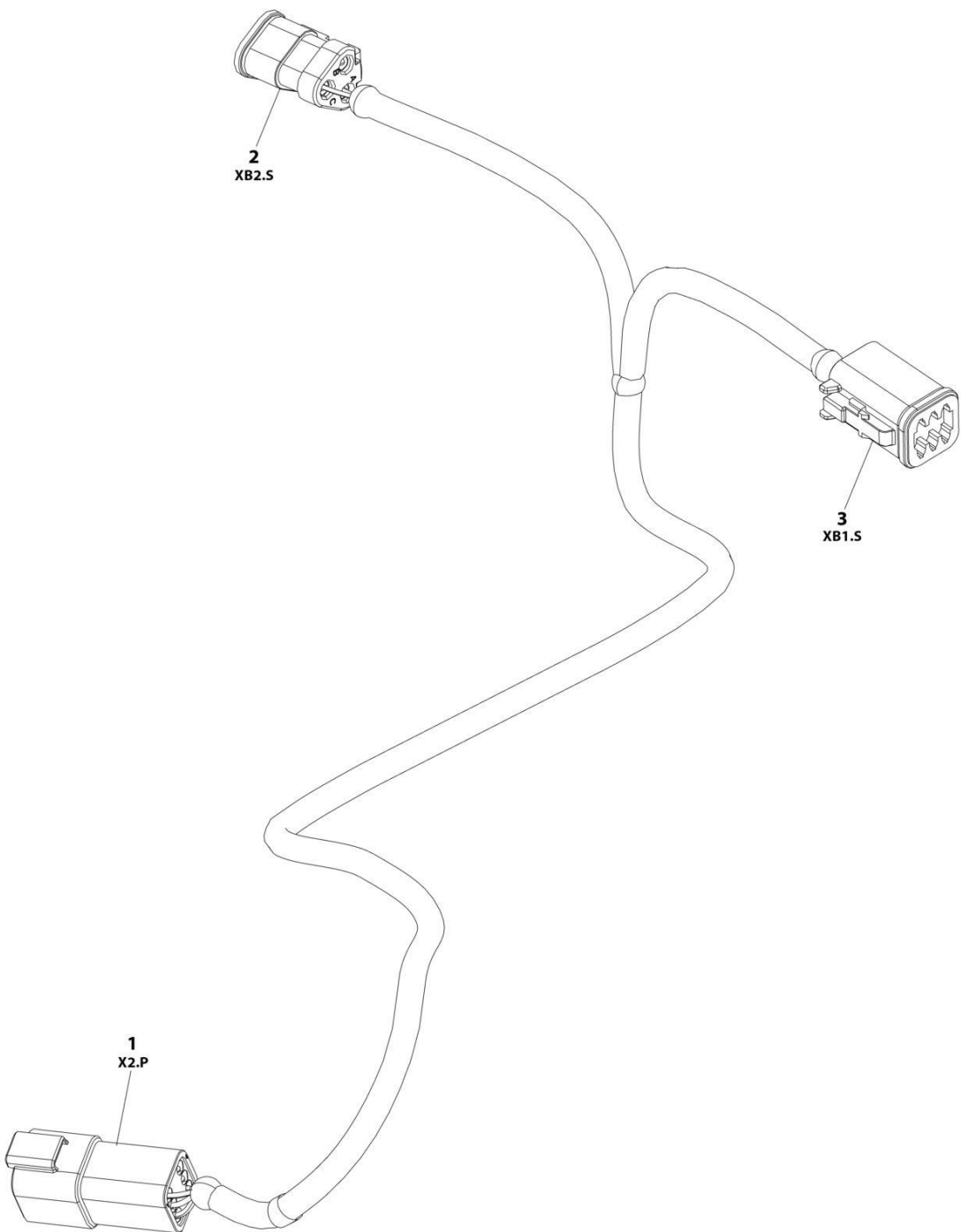
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FIGURE 9-20. ROOF WIPER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265306	Ref	ROOF WIPER HARNESS	A
1	4460894	1	Connector	
1	1001116692	4	Socket	
1	4460466	2	Plug	
2	4460899	1	Connector	
2	1001116692	4	Socket	
2	4460466	2	Plug	

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FIGURE 9-21. SEAT JUMPER HARNESS



ART_1001308356

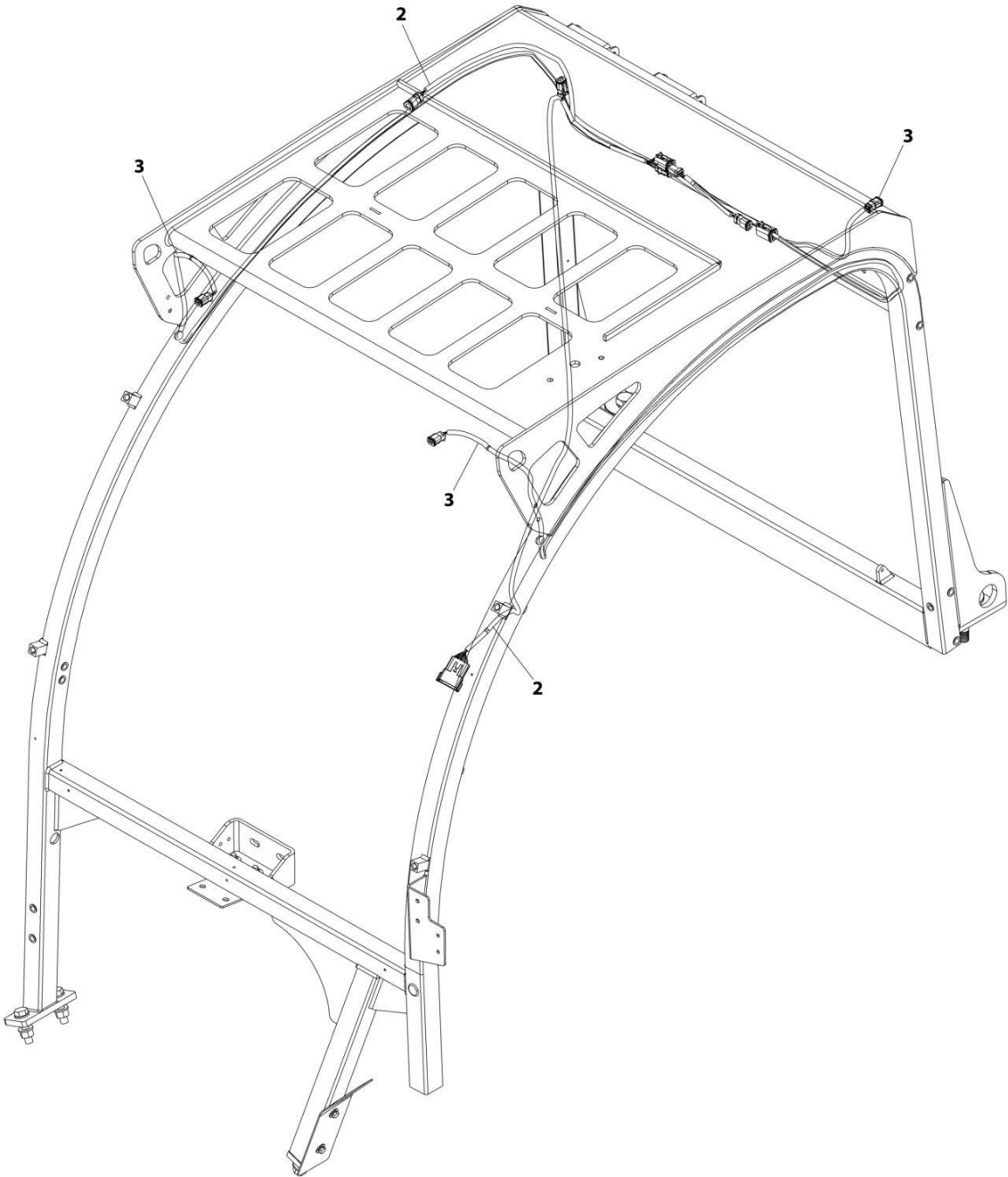
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FIGURE 9-21. SEAT JUMPER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001308356	Ref	SEAT JUMPER HARNESS	A
	See Note	Ref	Note: No Other Service Parts Available at Time of Printing	
1	4460899	1	Connector	
1	1001116693	2	Pin - 14AWG to 18AWG	
1	NPN	4	Pin - 20AWG	
2	NPN	1	Connector	
2	4460466	1	Plug	
3	4460894	1	Connector	
3	1001116692	2	Socket - 14AWG to 18AWG	
3	NPN	2	Socket - 20AWG	
3	4460466	2	Plug	

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FIGURE 9-22. WORKLIGHTS HARNESS INSTALLATION



ART_1001306135

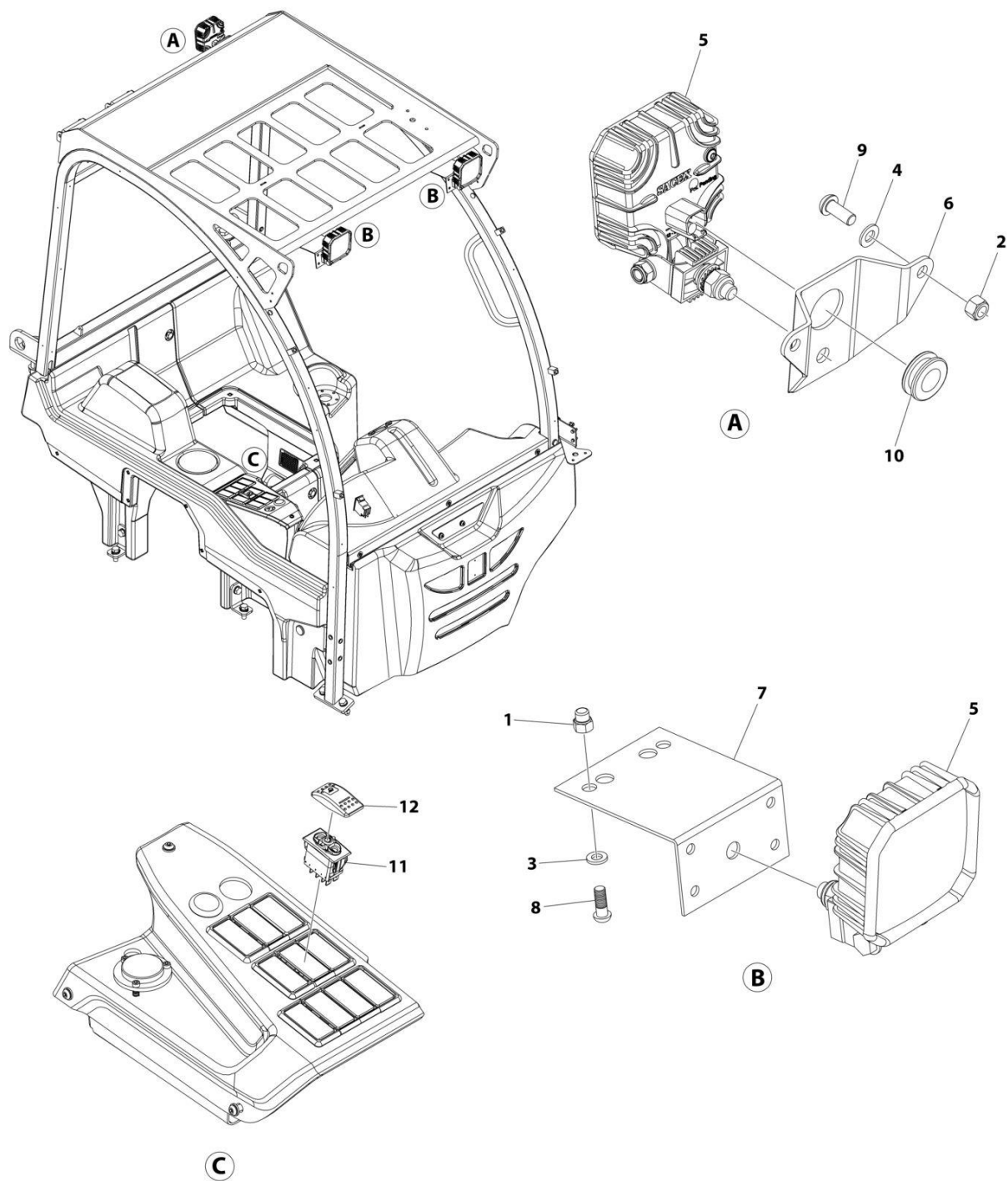
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FIGURE 9-22. WORKLIGHTS HARNESS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001306135	Ref	WORKLIGHTS HARNESS INSTALLATION	A
1	1001002454	3	Tie-Strap (Not Shown)	
2	1001264451	1	Harness, Worklights	
3	1001264456	1	Harness, Worklights Jumper	
4	1001264466	3	Mount, Tie-Strap (Not Shown)	

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FIGURE 9-23. WORKLIGHTS INSTALLATION



ART_1001304450

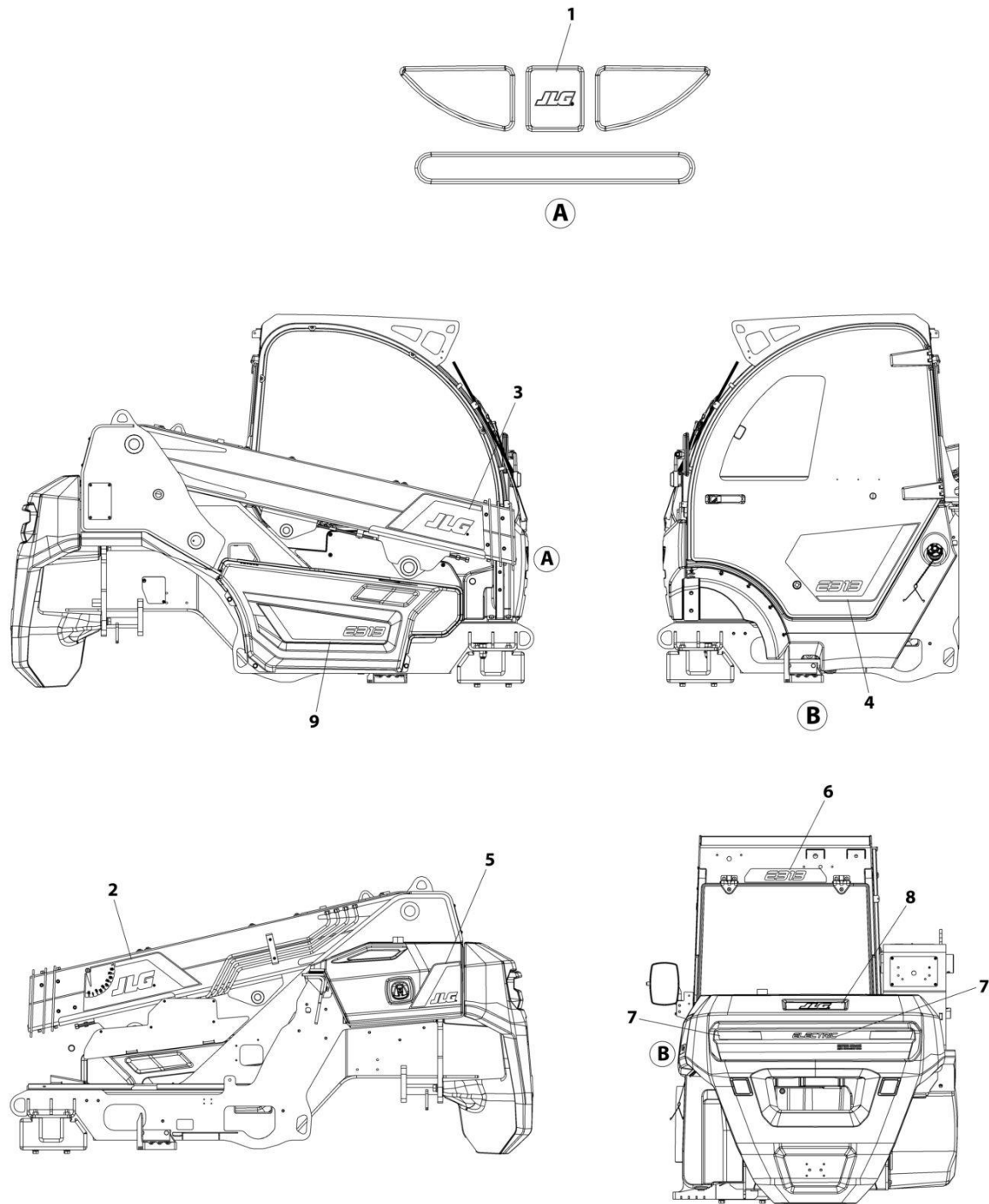
FIGURE 9-23. WORKLIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001304450	Ref	WORKLIGHTS INSTALLATION	A
1	3290605	4	Nut M6	
2	3290805	2	Nut M8	
3	4811700	4	Washer M6	
4	4811900	2	Washer M8	
5	1001262603	3	Lamp	
6	1001262605	1	Bracket, Rear Worklight	
7	1001262606	2	Bracket, Front Worklight	
8	1001262607	4	Capscrew M6 x 20 Class 10.9	
9	1001262664	2	Capscrew M8 x 20 Class 10.9	
10	1001263266	1	Grommet	
11	1001305388	1	Switch, Worklights	
12	1001305395	1	Rocker, Worklights Switch	

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FIGURE 10-1. BRAND DECALS INSTALLATION - ENCLOSED CAB



ART_1001305413

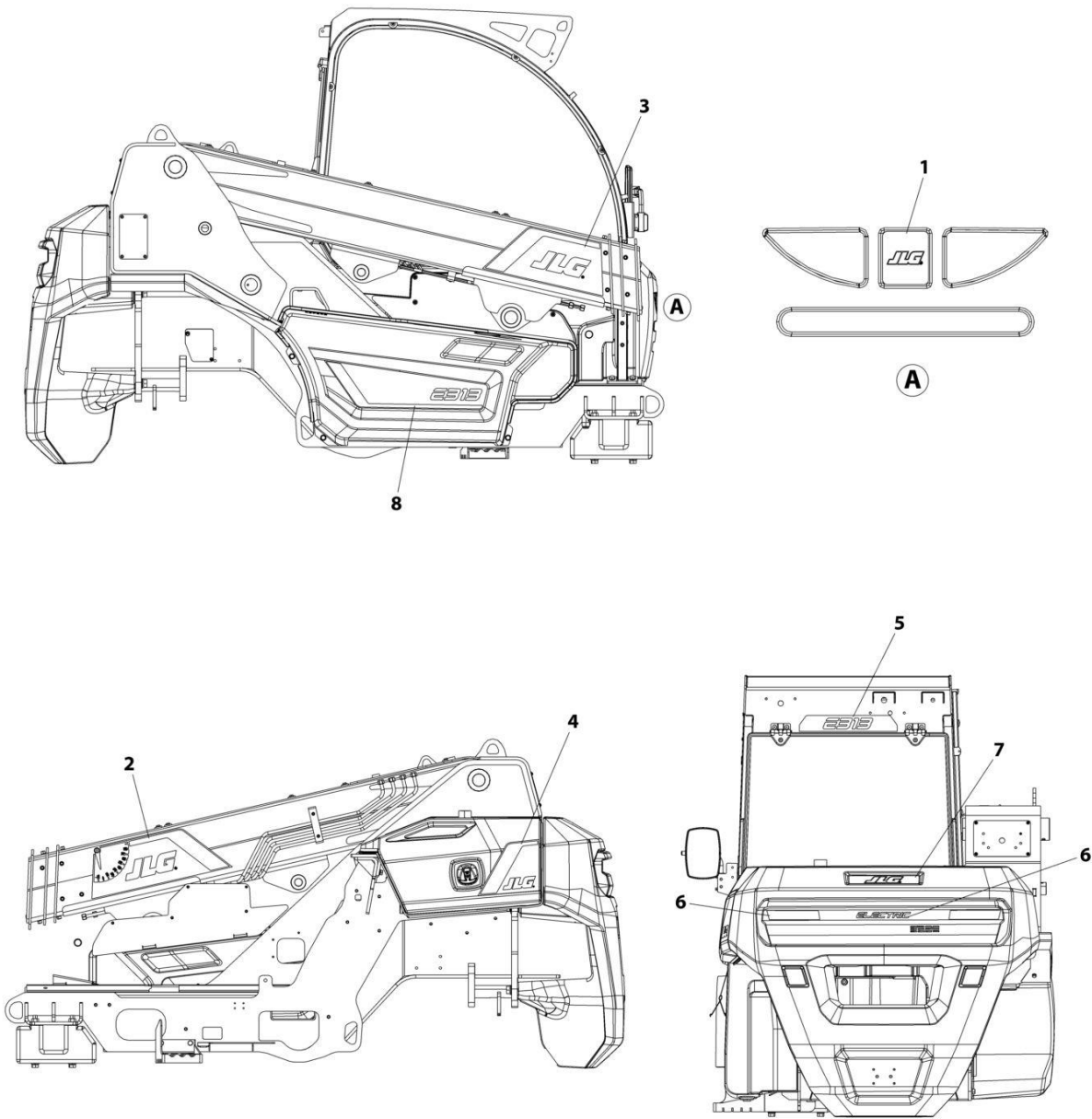
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FIGURE 10-1. BRAND DECALS INSTALLATION - ENCLOSED CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001305413	Ref	BRAND DECALS INSTALLATION	A
1	1001269743	1	Decal - Front JLG	
2	1001302916	1	Decal - Boom Angle	
3	1001302917	1	Decal - Boom JLG	
4	1001302918	1	Decal - Door Model	
5	1001302919	1	Decal - Engine Hood JLG	
6	1001302920	1	Decal - Cab Rear Model	
7	1001302921	1	Decal - Counterweight Electric	
8	1001305392	1	Decal - Counterweight JLG	
9	1001305636	1	Decal - Side Hood Model	

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FIGURE 10-2. BRAND DECALS INSTALLATION - OPEN CAB



ART_1001301823

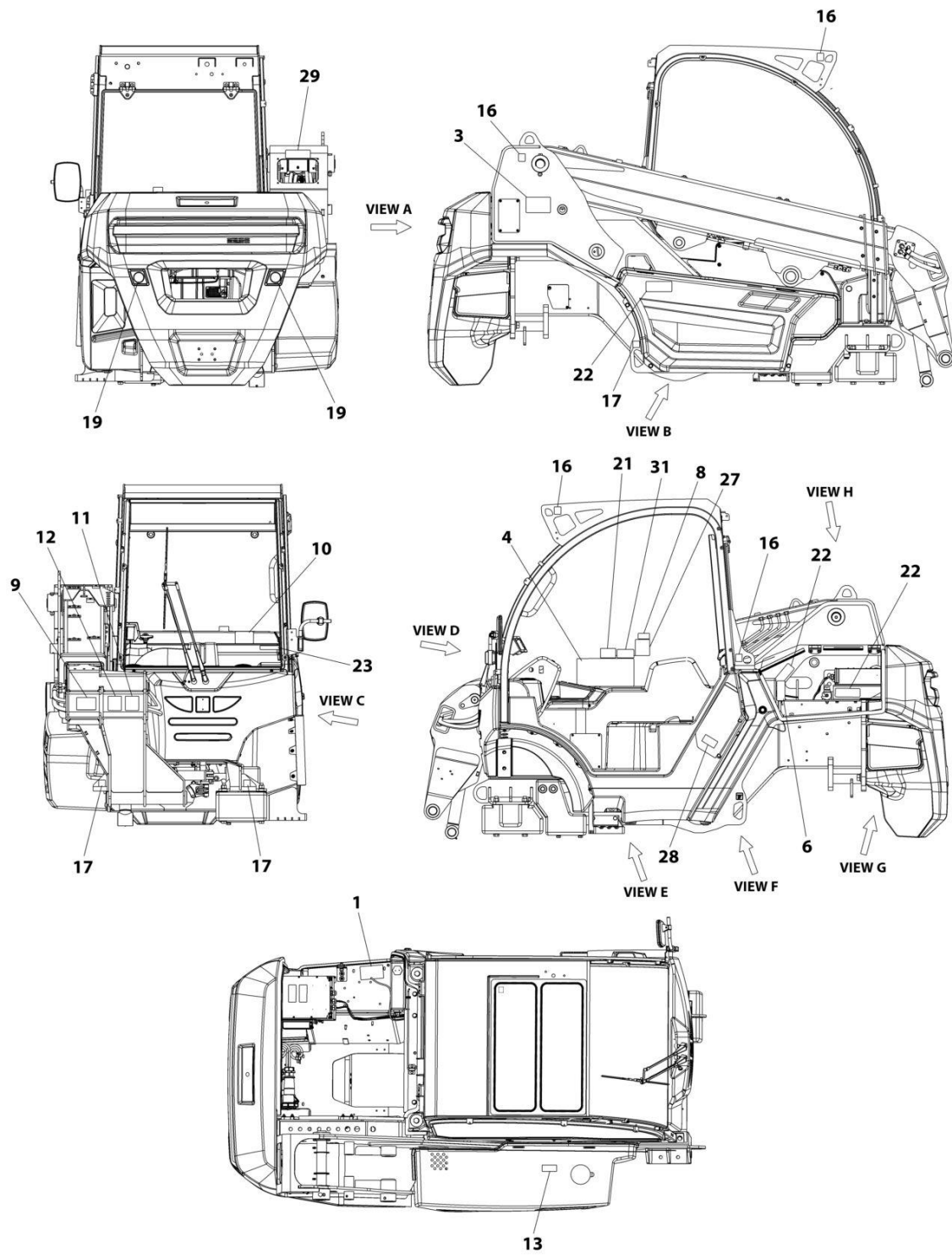
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FIGURE 10-2. BRAND DECALS INSTALLATION - OPEN CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001301823	Ref	BRAND DECALS INSTALLATION	A
1	1001269743	1	Decal - Front JLG	
2	1001302916	1	Decal - Boom Angle	
3	1001302917	1	Decal - Boom JLG	
4	1001302919	1	Decal - Engine Hood JLG	
5	1001302920	1	Decal - Cab Rear Model	
6	1001302921	1	Decal - Counterweight Electric	
7	1001305392	1	Decal - Counterweight JLG	
8	1001305636	1	Decal - Side Hood Model	

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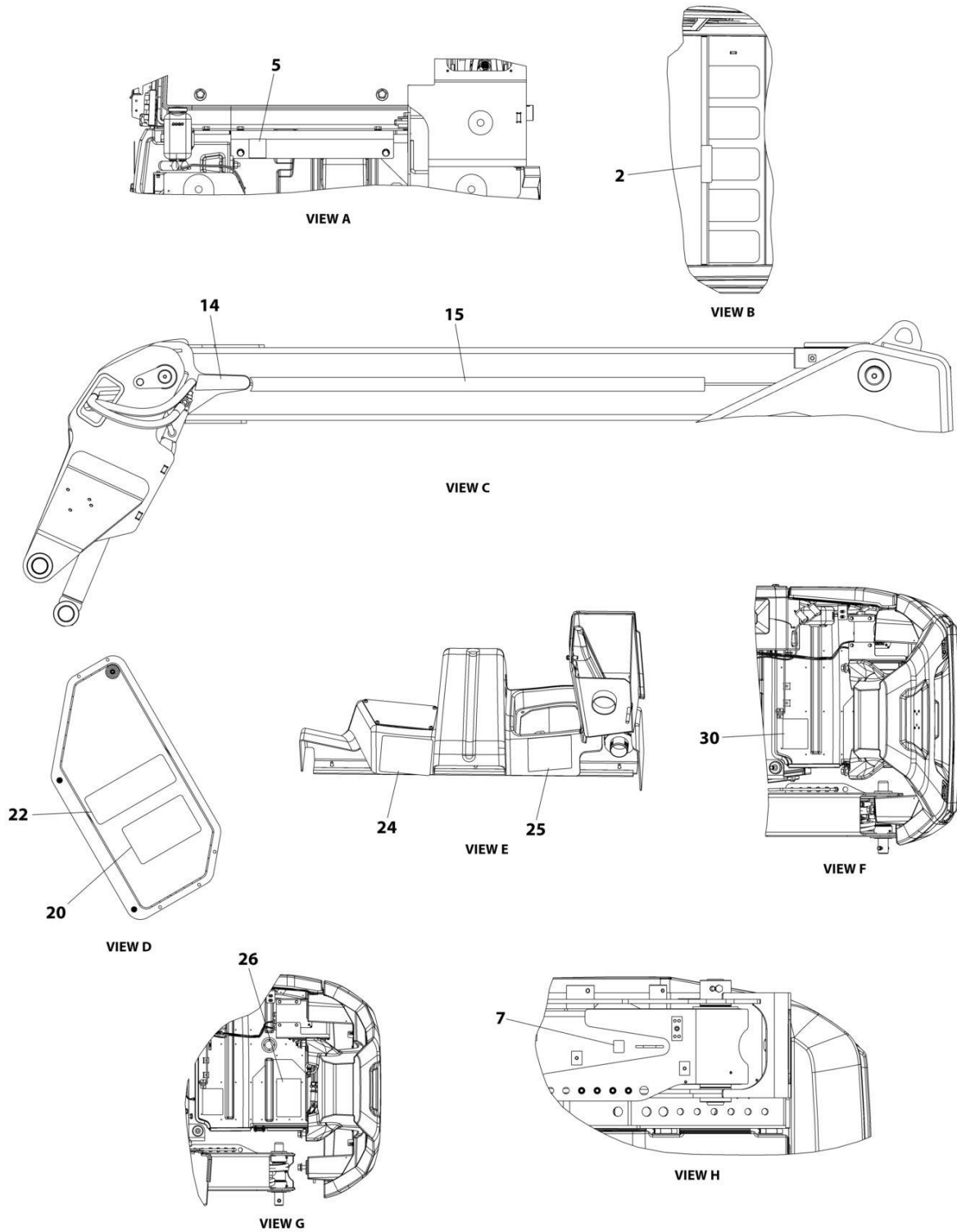
FIGURE 10-3. DECALS INSTALLATION (ANSI)



NOTE: SEE PAGE 20F2 FOR DETAIL VIEWS

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ART_1001305804_20F2

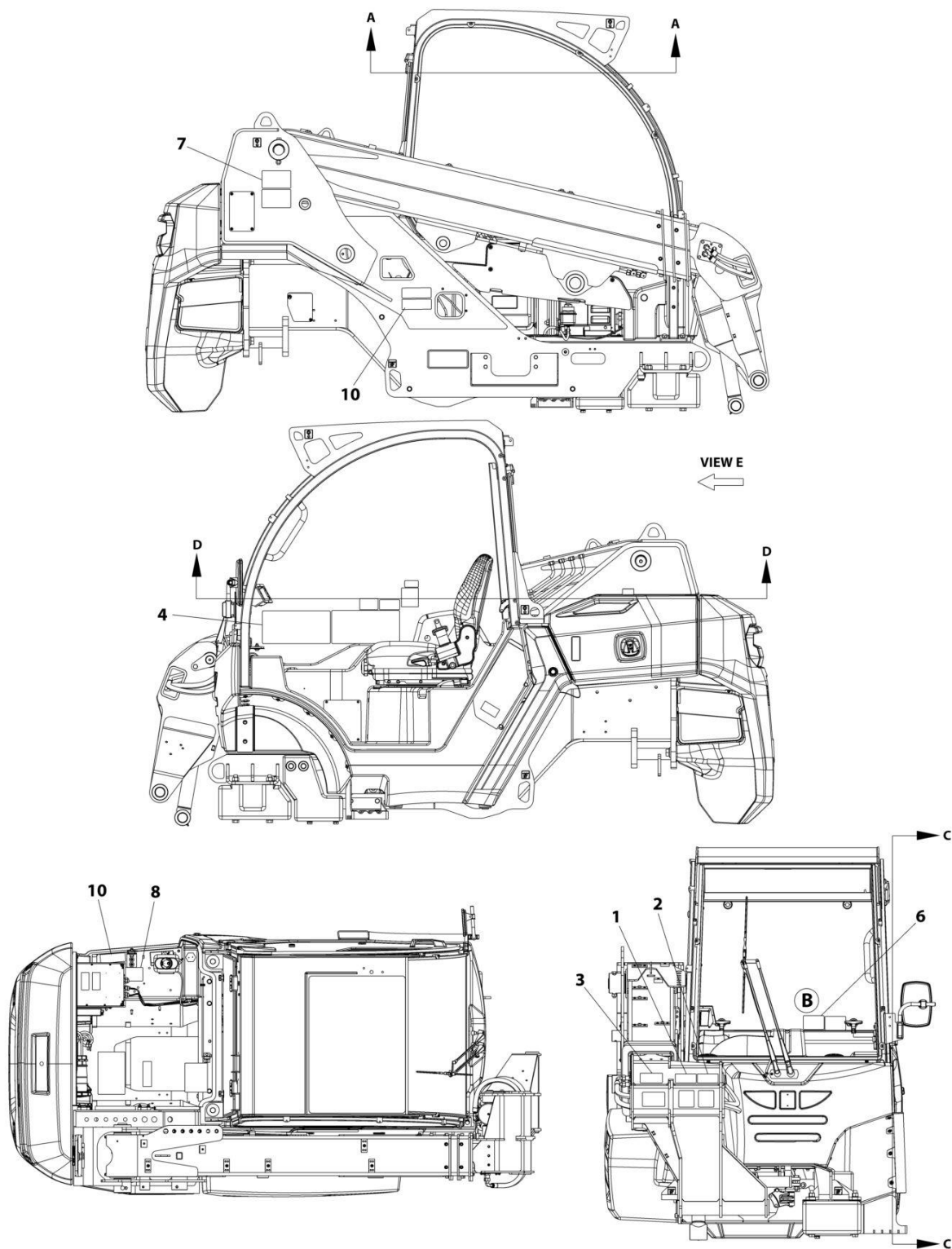
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FIGURE 10-3. DECALS INSTALLATION (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001305804	Ref	DECAL INSTALLATION	A
1	1706296	1	Decal - Battery Warning	
2	1706299	1	Decal - Electrocution Hazard	
3	1706302	1	Decal - Pinch Point	
4	1707078	1	Decal - Warning/Danger - Cab	
5	4100181	1	Decal - Hydraulic Oil Fill	
6	4108302	1	Decal - Hydraulic Oil Level	
7	1001212292	1	Decal - No Lifting	
8	1001223453	1	Decal - ICES	
9	1001260776	1	Decal - Falling Personnel	
10	1001260780	2	Decal - Rear Window Entry/Exit	
11	1001260879	1	Decal - Platform Personnel	
12	1001260880	1	Decal - Do Not Travel	
13	1001297049	1	Decal - Brake Fluid Spec NA	
14	1001263410	1	Decal - Boom Letter A	
15	1001263411	1	Decal - Boom Extend Letters	
16	1001268712	5	Decal - Tie Down	
17	1001268713	4	Decal - Lift Point	
19	1001311049	2	Reflector	
20	1001311189	1	Decal - Charging Instruction	
21	1001311188	1	Decal - Tire Pressure	
22	1001311372	4	Decal - Warning	
23	1001311384	NSS	Name Plate, Serial Number (Note: Not Available For Purchase)	
24	1001311433	1	Decal - Fuse Box Cab	
25	1001311434	1	Decal - Fuse Box	
26	1001311460	1	Decal - Grease Points	
27	1001311464	1	Decal - Joystick Grip	
28	1001311193	1	Decal - Charging Location	
29	1001311995	1	Decal - Do Not Spray	
30	1001312642	1	Decal - Maintenance E313	
31	1001312896	1	Decal - Manual/Plug Location	

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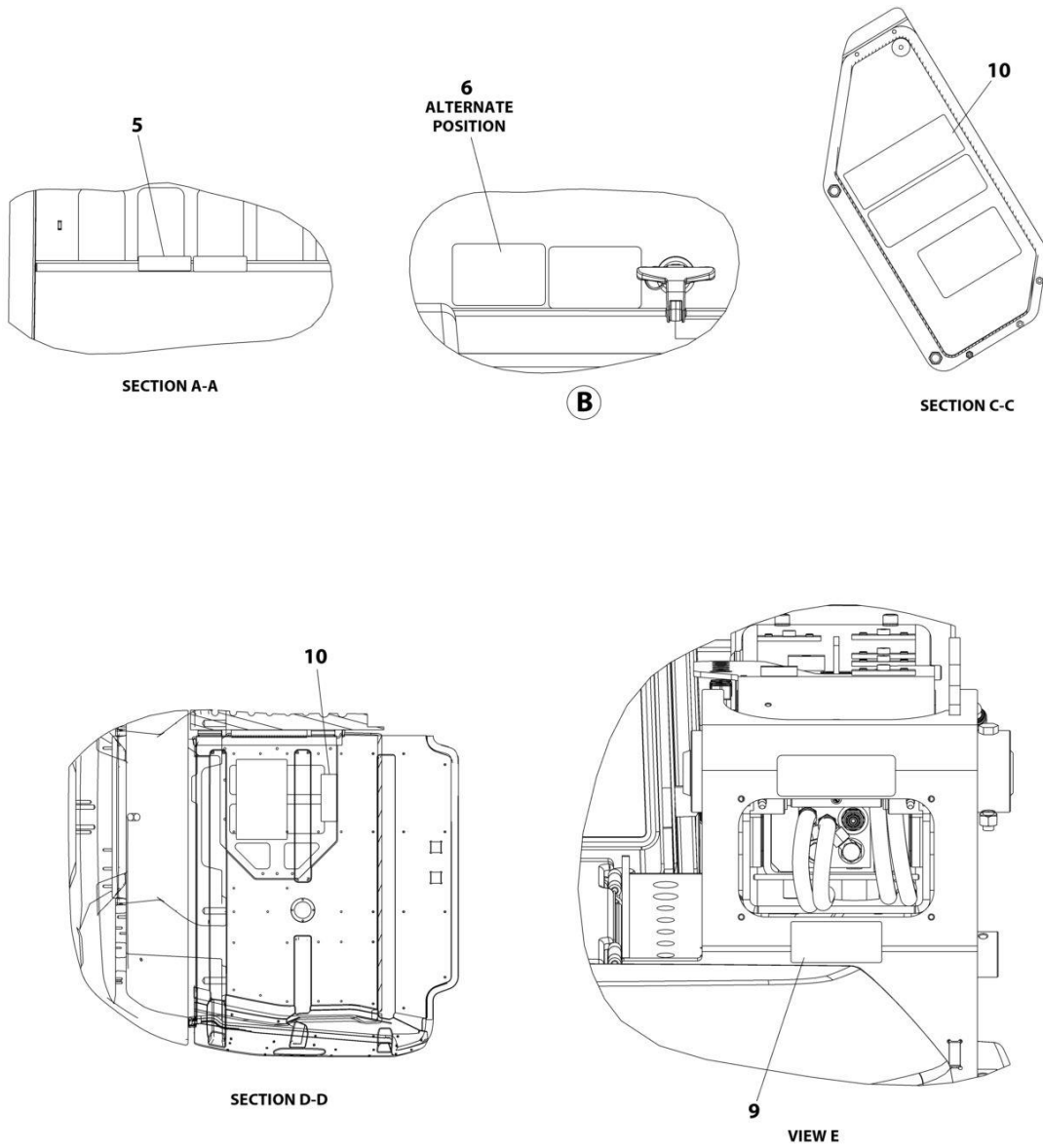
FIGURE 10-4. DECAL INSTALLATION (FRENCH)



NOTE: SEE PAGE 20F2 FOR DETAIL VIEWS

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ART_1001305805_2OF2

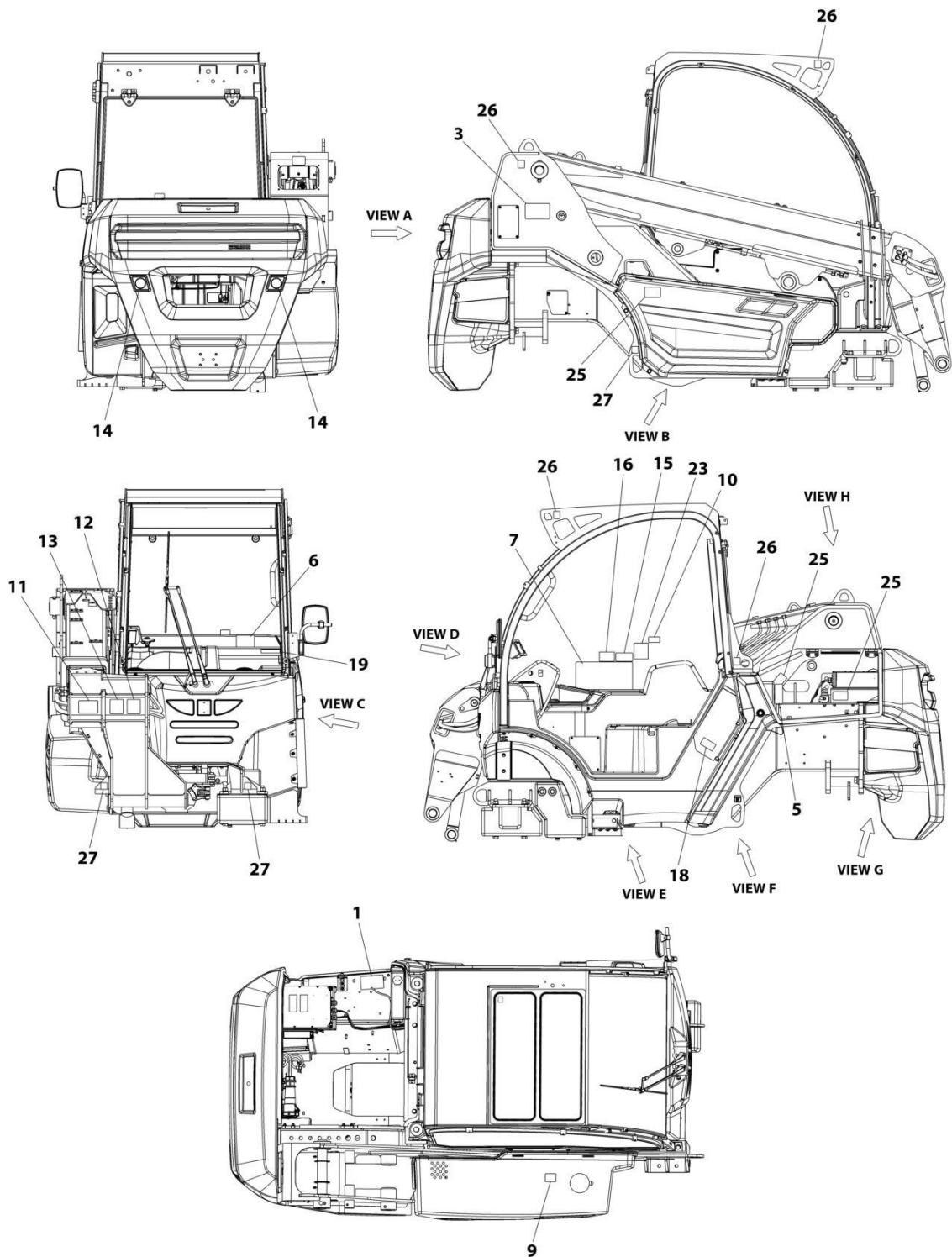
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FIGURE 10-4. DECAL INSTALLATION (FRENCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001305805	Ref	DECAL INSTALLATION	A
1	1001263439	1	Decal - Do Not Travel	
2	1001263440	1	Decal - Platform Personnel	
3	1001263441	1	Decal - Falling Personnel	
4	1001263464	1	Decal - Warning Cab	
5	1001263466	1	Decal - Electrocution Hazard	
6	1001263467	2	Decal - Rear Window Exit	
7	1001263468	1	Decal - Pinch Point	
8	1001263469	1	Decal - Battery Warning	
9	1001313450	1	Decal - Do Not Spray	
10	1001313849	4	Decal - No Water	

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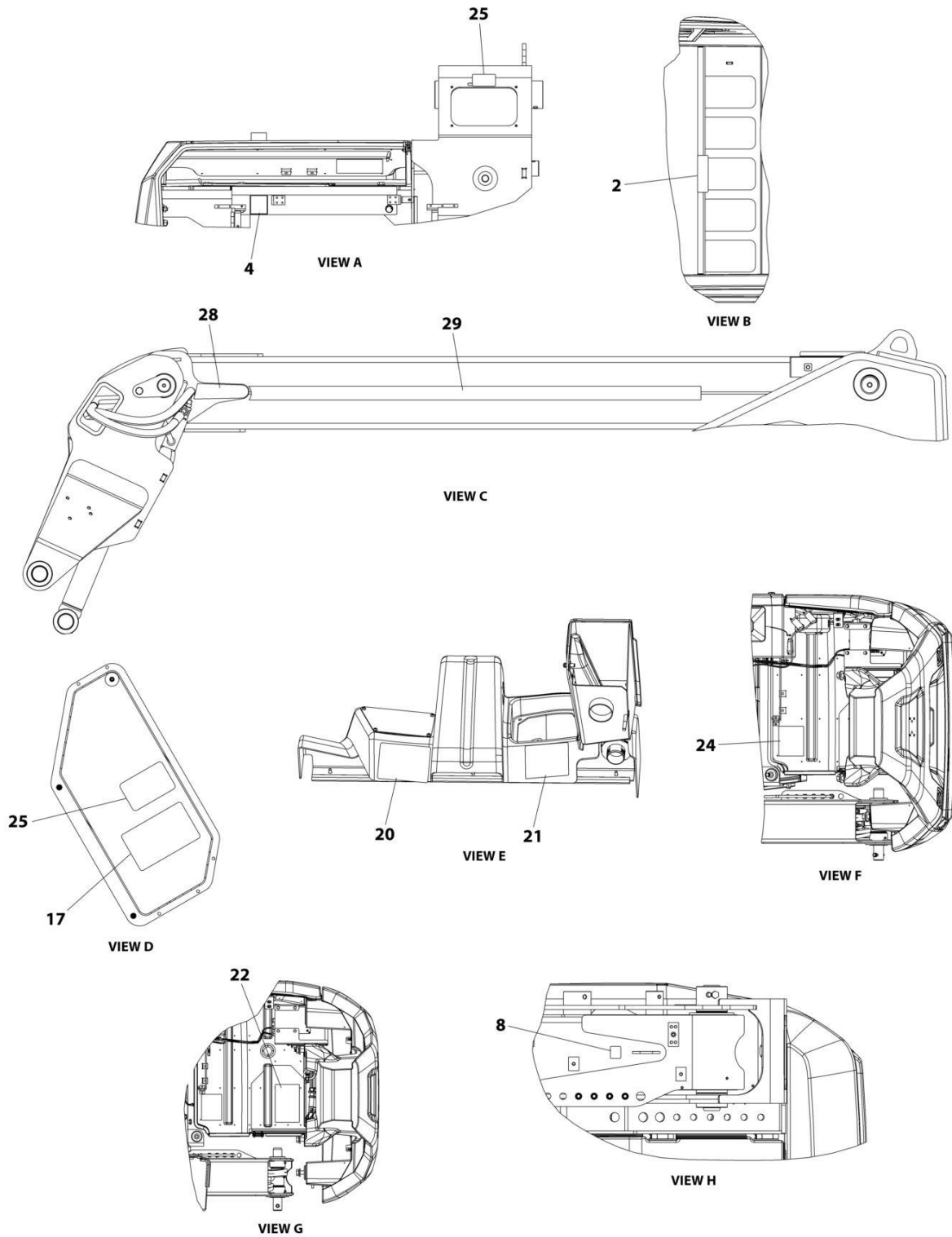
FIGURE 10-5. DECAL INSTALLATION (ISO)



NOTE: SEE PAGE 20F2 FOR DETAIL VIEWS

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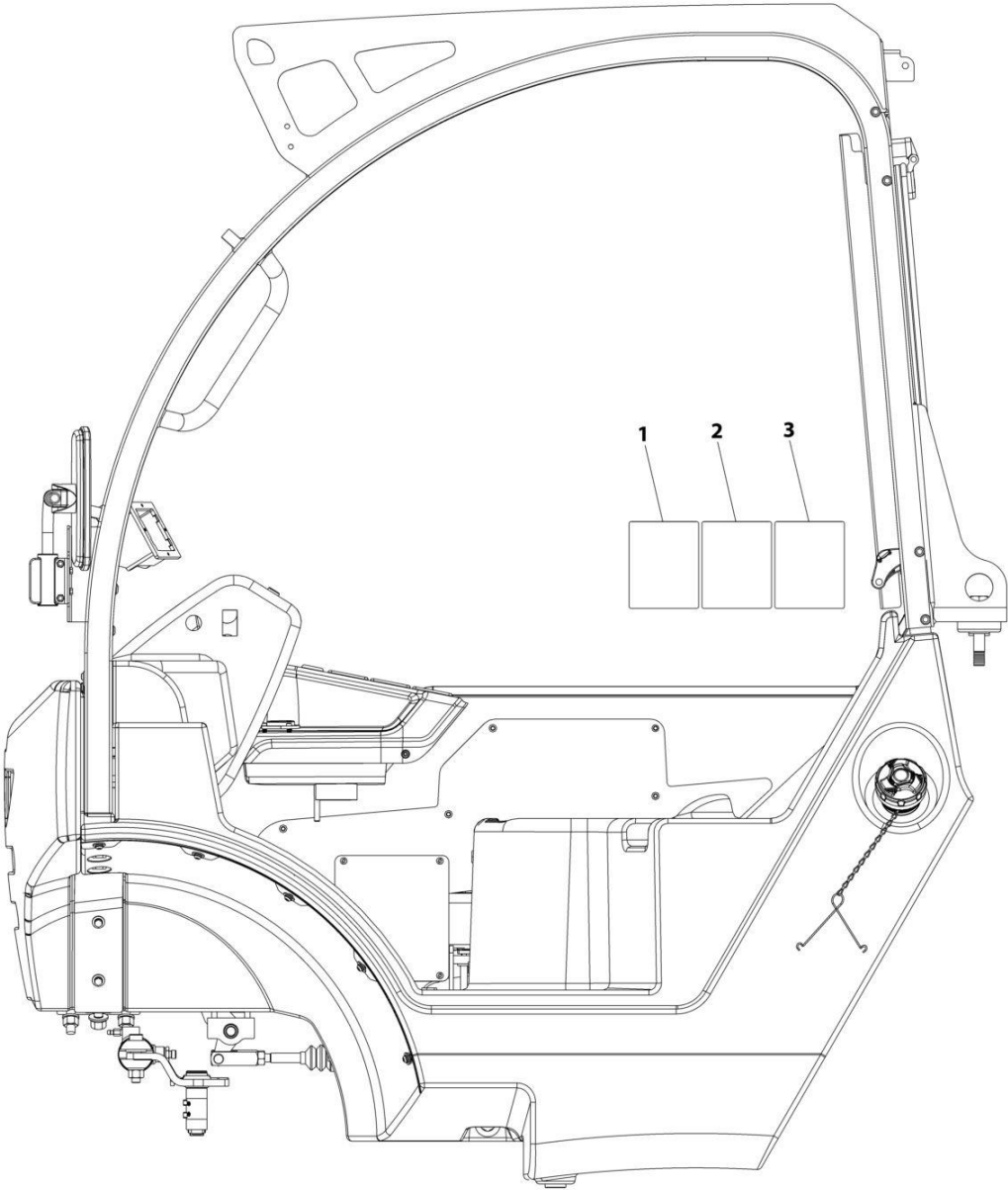
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FIGURE 10-5. DECAL INSTALLATION (ISO)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001305806	Ref	DECAL INSTALLATION	A
1	1706281	1	Decal - Battery Warning	
2	1706284	1	Decal - Electrocution Hazard	
3	1706292	1	Decal - Pinch Point	
4	4100181	1	Decal - Hydraulic Oil Fill	
5	4108302	1	Decal - Hydraulic Oil Level	
6	8005870	2	Decal - Emergency Exit	
7	1001101895	1	Decal - Warning/Danger - Cab	
8	1001212292	1	Decal - No Lifting	
9	1001219211	1	Decal - Brake Fluid Spec	
10	1001223453	1	Decal - ICES	
11	1001272170	1	Decal - Falling Personnel	
12	1001272171	1	Decal - Platform Personnel	
13	1001272172	1	Decal - Do Not Travel	
14	1001311049	2	Reflector	
15	1001311187	1	Decal - Manual Location	
16	1001311188	1	Decal - Tire Pressure	
17	1001311189	1	Decal - Charging Instruction	
18	1001311193	1	Decal - Charging Location	
19	1001311384	NSS	Name Plate, Serial Number (Note: Not Available For Purchase)	
20	1001311433	1	Decal - Fuse Box Cab	
21	1001311434	1	Decal - Fuse Box	
22	1001311460	1	Decal - Grease Points	
23	1001311464	1	Decal - Joystick Grip	
24	1001312642	1	Decal - Maintenance E313	
25	1001314403	5	Decal - No Spray	
26	1001268712	5	Decal - Tie Down	
27	1001268713	4	Decal - Lift Point	
28	1001263410	1	Decal - Boom Letter A	
29	1001263411	1	Decal - Boom Extend Letters	

SECTION 10 - DECALS

FIGURE 10-6. LOAD CHART - ANSI



ART_1001305851

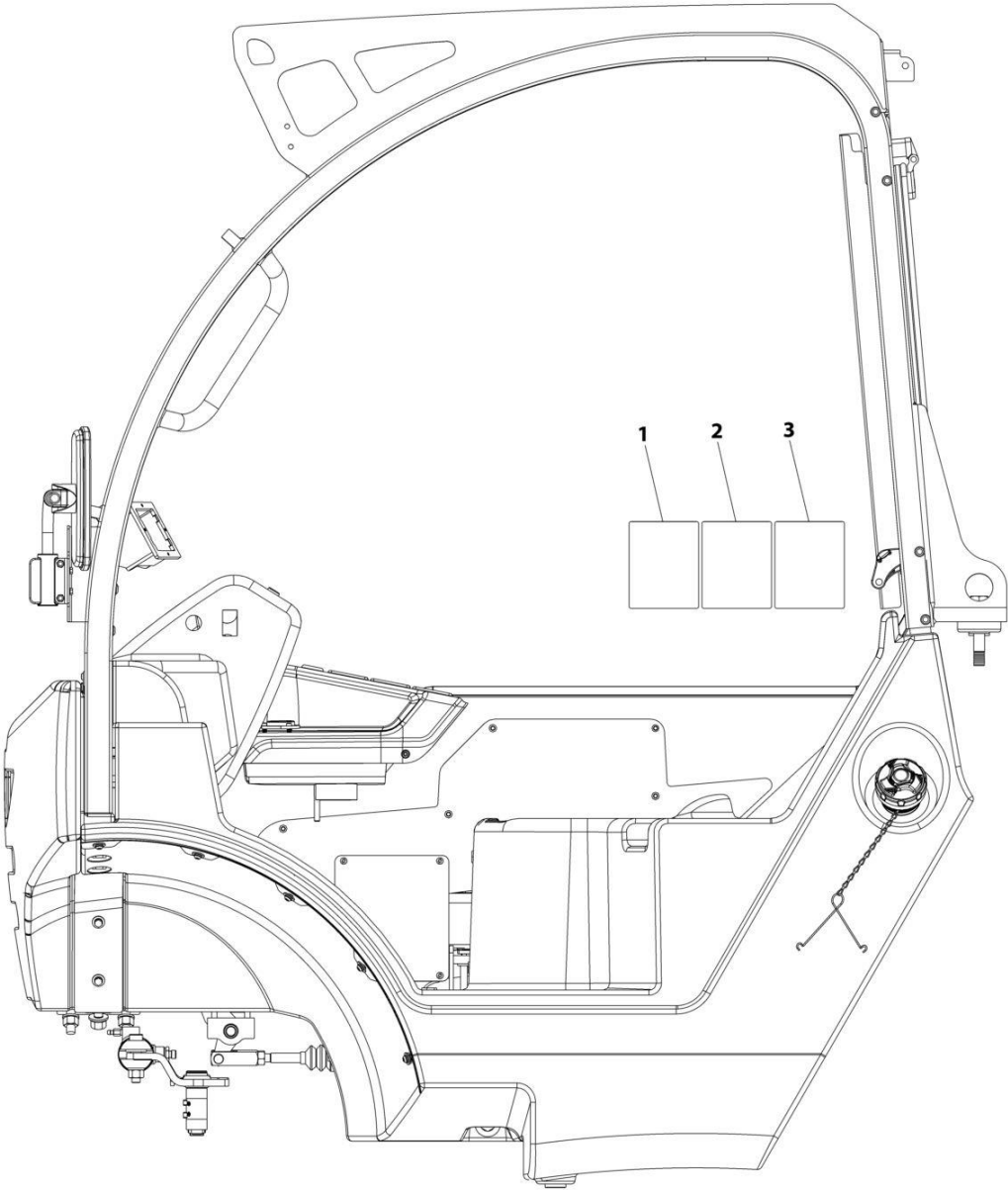
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FIGURE 10-6. LOAD CHART - ANSI

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001305851	Ref	CAPACITY CHART DECALS (ANSI)	A
1	1001310984	1	Decal - Loadchart (Std Carriage)	
2	1001310985	1	Decal - Loadchart (Bucket)	
3	1001310986	1	Decal - Loadchart (Side Shift Carriage)	

SECTION 10 - DECALS

FIGURE 10-7. LOAD CHART - METRIC



ART_1001305852

FIGURE 10-7. LOAD CHART - METRIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001305852	Ref	CAPACITY CHART DECALS (METRIC)	A
1	1001312396	1	Decal - Loadchart (Std Carriage)	
2	1001312397	1	Decal - Loadchart (Bucket)	
3	1001312398	1	Decal - Loadchart (Side Shift Carriage)	

SECTION 11 - RECOMMENDED SERVICE PARTS STOCK

SECTION 11 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 11-1. 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.	
	1001303452	1	Controller, Brake Pedal	
	1001264404	1	Controller, Forward Neutral Reverse	
	1001307326	1	Controller, Joystick	
	1001262673	1	Controller, Steering Wheel	
	1001308571	1	Controller, Throttle Pedal	
	1001305512	12	Filter, Heater (Cab Exterior)	
	1001305507	12	Filter, Heater (Cab Interior)	
	70030741	1	Key, Door (Enclosed Cab)	
	70031820	1	Key, Ignition (Set of Two)	
	1001280661	1	Module, ClearSky	
	1001306666	1	Module, Control (Cab Electrical)	
	1001307674	1	Module, Control (Frame)	
	1001307673	1	Module, Control (Implement Motor)	
	1001308566	1	Relay (Cab Electrical)	
	1001264369	1	Sensor, Axle (LSI)	
	1001262684	1	Sensor, Brake Pressure	
	1001264370	1	Sensor, Proximity (LSI)	
	1001309581	1	Switch, Charging	
	1001309554	1	Switch, Hazard Lights	
	1001306670	1	Switch, Headlight	
	1001306659	1	Switch, Horn (Side Dash)	
	1001262674	1	Switch, Horn (Steering Wheel)	
	1001264530	1	Switch, Hydraulic Coupler	
	1001308557	1	Switch, Ignition	
	1001306647	1	Switch, Lockout	
	1001306657	1	Switch, Parking	
	1001309556	1	Switch, Road Lights	
	1001305388	1	Switch, Worklights	

SECTION 12 - SPECIAL OPTIONS/ACCESSORIES/KITS

SECTION 12 - SPECIAL OPTIONS/ACCESSORIES/KITS

FIGURE 12-1. SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	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.	
		Ref	MISCELLANEOUS SPECIAL OPTIONS/ACCESSORIES/KITS	
	1001304451	Ref	Bucket Attachment	
		Ref	Electrical Connector Kits	
	1001148902	Ref	Electrical Connector Kit - Amp/Tyco Electrical Connectors	
	1001148903	Ref	Electrical Connector Kit - Deutsch DT Electrical Connectors	
	1001148904	Ref	Electrical Connector Kit - Deutsch HD Electrical Connectors	
	1001148905	Ref	Electrical Connector Kit - Packard Electrical Connectors	
	1001148906	Ref	Electrical Connector Kit - Various Electrical Connectors	
		Ref	Sub-FAPL:	
	1001301801	Ref	Battery Installation - Six Battery Systems	A
	1001301802	Ref	Battery Installation - Seven Battery Systems	A
	1001308072	Ref	Battery Support Installation - Six Battery Systems	A
	1001308680	Ref	Battery Support Installation - Seven Battery Systems	A
	1001301799	Ref	Electrical Installation	A
	1001305798	Ref	Forks Installation (35 x 100 x 1000)	A
	1001305800	Ref	Forks Installation (35 x 100 x 1200)	A
	1001307340	Ref	Frame Electrical Installation	A
	1001301797	Ref	Hydraulics Installation	A
	1001307911	Ref	Hydraulics Installation (High Flow)	A
	1001307888	Ref	Seat Belt Installation	A
		Ref	Tools for Service	
	2901443	Ref	Analyzer Kit	
	1001249695	Ref	Analyzer and Cable Kit	
	1001249941	Ref	Analyzer and Cable Kit (Battery Powered)	
	1001137005	Ref	Cable Kit, Software	
	7002821	Ref	Crimper, Wire	
	7002823	Ref	Pin Extractor - Universal (For Electrical Connectors with Pins and Sockets)	
	4460510	Ref	Pin Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460467	Ref	Pin Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7016654	Ref	Screwdriver, Magnetic	
	7002822	Ref	Screwdriver, potentiometer	
	7004275	Ref	Seal Tool 1in (For Cylinders)	
	7004276	Ref	Seal Tool 1-1/2in (For Cylinders)	
	7002828	Ref	Stripper, Wire	

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