Illustrated Parts Manual

Model
943

PVC
2205

P/N
31211863

November 1, 2023 - Rev C

An Oshkosh Corporation Company

EFFECTIVITY PAGE

May 1, 2022 - A - Original Issue of Manual (Manual Edited to B/M 1001162008 Revision BJ)

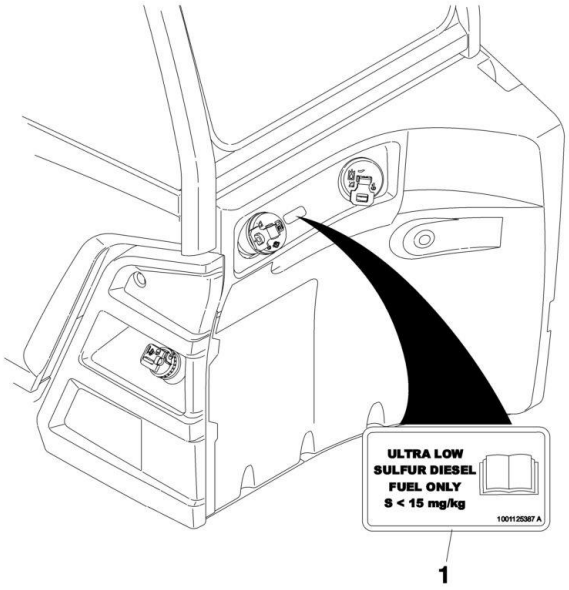
November 1, 2022 - B - Revised Manual (Manual Edited to B/M 1001162008 Revision BJ)

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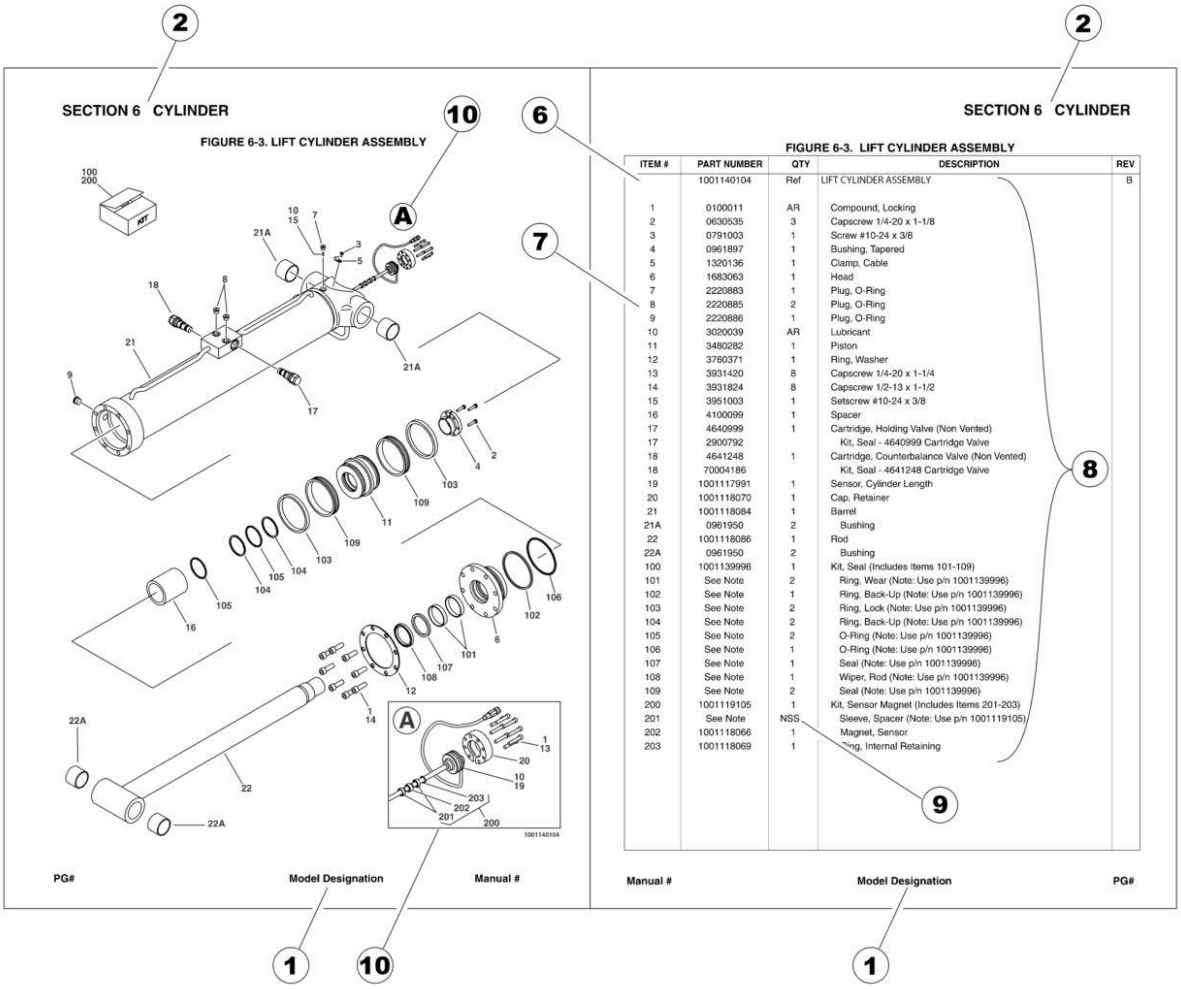
Machine Configuration

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

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



GENERAL INFORMATION



ITEM #	PART NUMBER	QTY	DESCRIPTION	REV
	1001140104	Ref	LIFT CYLINDER ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0630535	3	Capscrew 1/4-20 x 1-1/8	
3	0791003	1	Screw #10-24 x 3/8	
4	0961897	1	Bushing, Tapered	
5	1320136	1	Clamp, Cable	
6	1683063	1	Head	
7	2220883	1	Plug, O-Ring	
8	2220885	2	Plug, O-Ring	
9	2220886	1	Plug, O-Ring	
10	3020039	AR	Lubricant	
11	3480282	1	Piston	
12	3760371	1	Ring, Washer	
13	3931420	8	Capscrew 1/4-20 x 1-1/4	
14	3931824	8	Capscrew 1/2-13 x 1-1/2	
15	3951003	1	Setscrew #10-24 x 3/8	
16	4100099	1	Spacer	
17	4640999	1	Cartridge, Holding Valve (Non Vented)	
17	2900792		Kit, Seal - 4640999 Cartridge Valve	
18	4641248	1	Cartridge, Counterbalance Valve (Non Vented)	
18	70004186		Kit, Seal - 4641248 Cartridge Valve	
19	1001117991	1	Sensor, Cylinder Length	
20	1001118070	1	Cap, Retainer	
21	1001118084	1	Barrel	
21A	0961950	2	Bushing	
22	1001118086	1	Rod	
22A	0961950	2	Bushing	
100	1001139996	1	Kit, Seal (Includes Items 101-109)	
101	See Note	2	Ring, Wear (Note: Use p/n 1001139996)	
102	See Note	1	Ring, Back-Up (Note: Use p/n 1001139996)	
103	See Note	2	Ring, Lock (Note: Use p/n 1001139996)	
104	See Note	2	Ring, Back-Up (Note: Use p/n 1001139996)	
105	See Note	2	O-Ring (Note: Use p/n 1001139996)	
106	See Note	1	O-Ring (Note: Use p/n 1001139996)	
107	See Note	1	Seal (Note: Use p/n 1001139996)	
108	See Note	1	Wiper, Rod (Note: Use p/n 1001139996)	
109	See Note	2	Seal (Note: Use p/n 1001139996)	
200	1001119105	1	Kit, Sensor Magnet (Includes Items 201-203)	
201	See Note	NSS	Sleeve, Spacer (Note: Use p/n 1001119105)	
202	1001118066	1	Magnet, Sensor	
203	1001118069	1	Ring, Internal Retaining	

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

10) ILLUSTRATION REFERANCE LETTERS

When necessary, illustrations may contain reference letters that are intended to track information (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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PART NUMBER INDEX 1133

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SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-1. ENGINE ENCLOSURE INSTALLATION

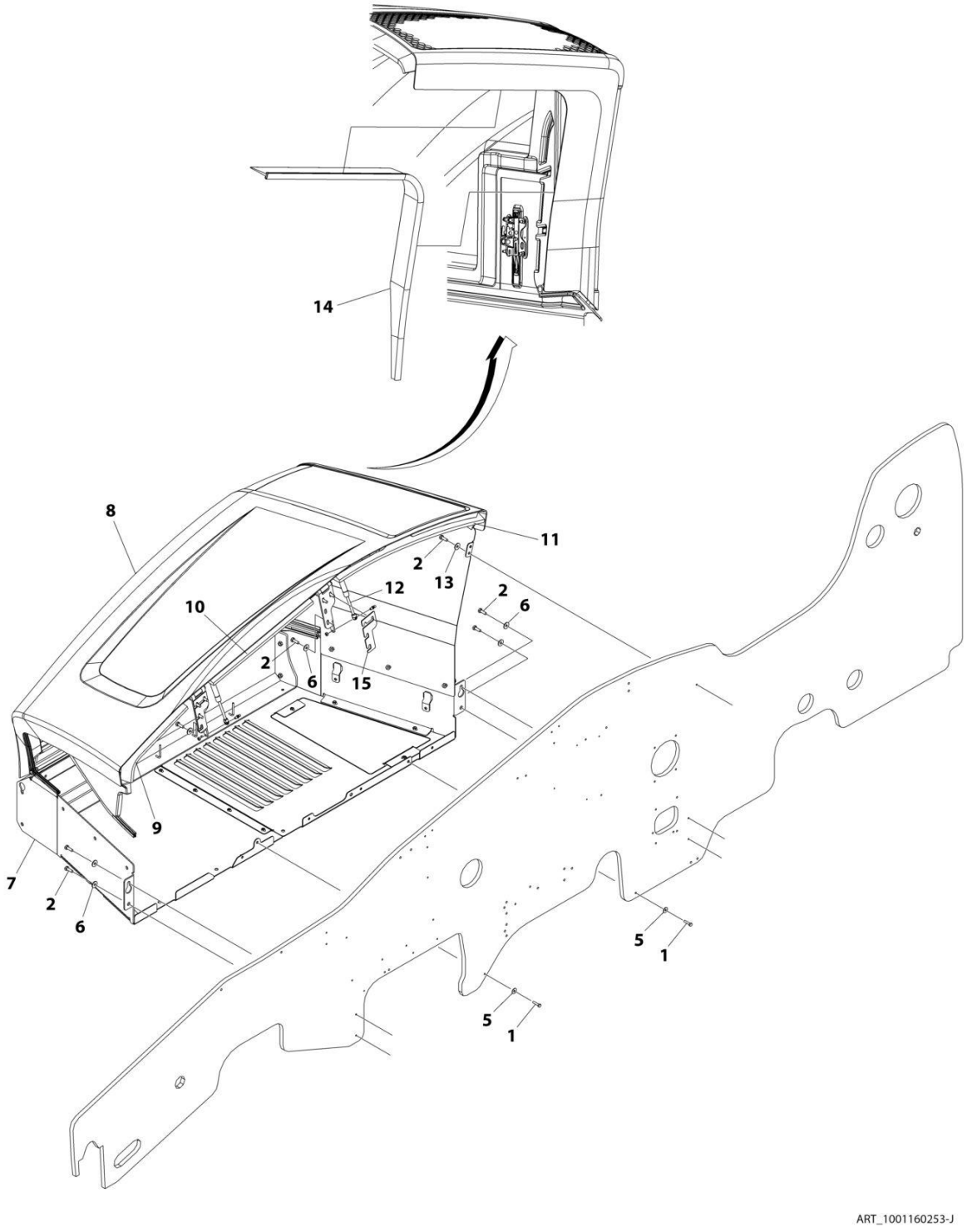


FIGURE 1-1. ENGINE ENCLOSURE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160253	Ref	Engine Enclosure Installation	J
1	0760815	2	Bolt, M8X35	
2	0701014	11	Bolt, M10X30	
5	4811902	2	Washer, M8	
6	4812002	10	Washer, M10	
7	1001162239	Ref	Installation, Engine Enclosure Cover (See Separate Breakdown in this Section)	
8	1001235963	Ref	Assembly, Hood (See Separate Breakdown in this Section)	
9	1001203932	1	Seal	
10	1001203933	1	Seal	
11	1001203934	1	Seal	
12	1001171885	2	Spring, Gas	
13	4812000	1	Washer, M10	
14	1001197339	1	Trim, Lock Seal	
15	1001241836	AR	Shim	

FIGURE 1-2. ENGINE ENCLOSURE COVER INSTALLATION

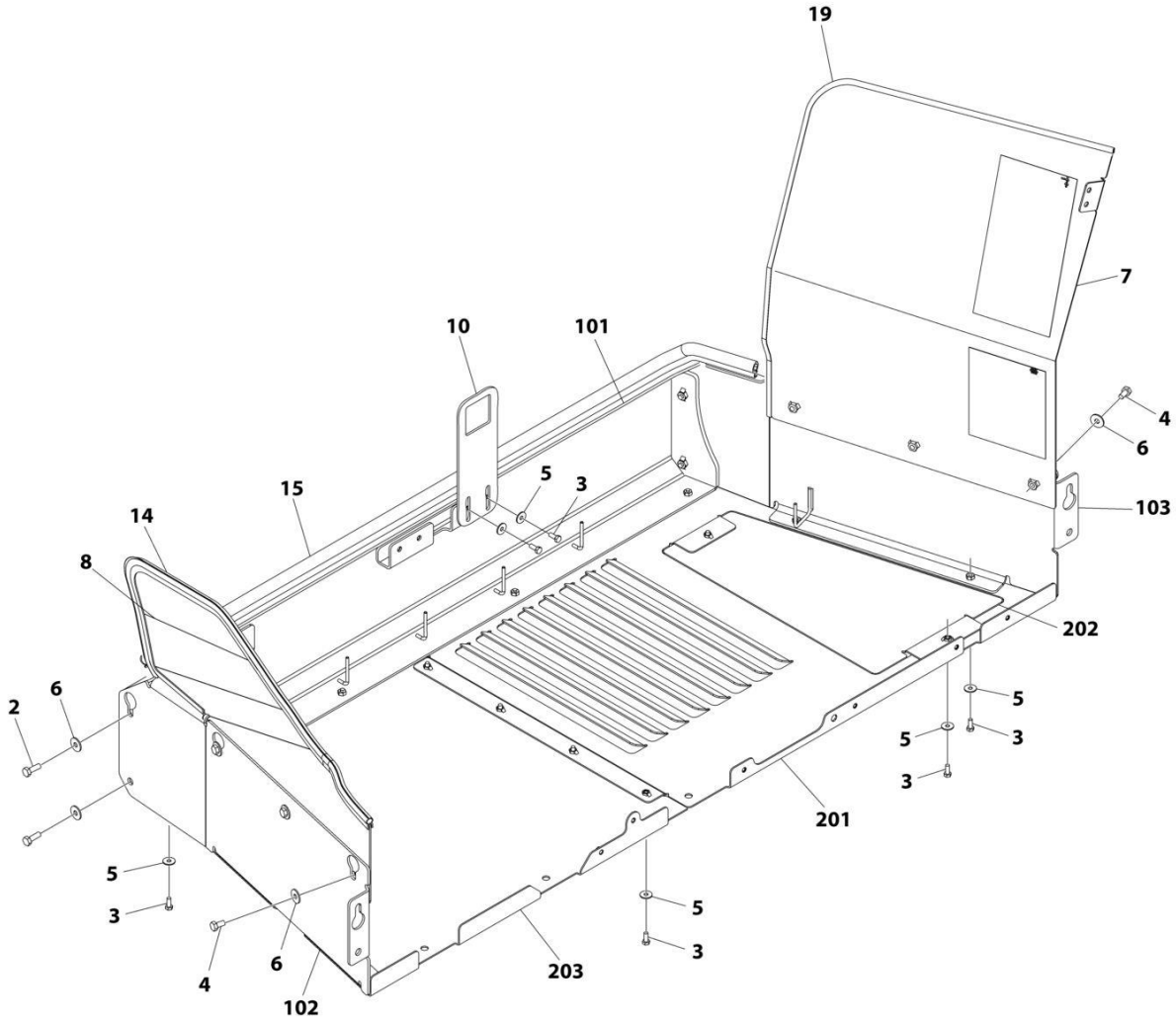


FIGURE 1-2. ENGINE ENCLOSURE COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162239	Ref	Engine Enclosure Cover Installation	N
2	0701014	4	Bolt, M10X30	
3	0760810	16	Bolt, M8X20	
4	0761010	6	Bolt, M10X20	
5	4811902	16	Washer, M8	
6	4812002	10	Washer, M10	
7	1001204086	1	Plate, Rear Cover	
8	1001184076	1	Panel, Front Cover	
10	1001209388	1	Latch, Hood	
14	1001003227	1375 mm	Seal	
15	1001204486	1795 mm	Seal	
19	90206198	1345 mm	Trim, Edge	
101	1001162240J	1	Panel, Side Skirt	
102	1001213126J	1	Panel, Front Skirt	
103	1001196426J	1	Panel, Rear Skirt	
201	1001196422	1	Panel, Bottom Cover	
202	1001169265	1	Panel, Access	
203	1001196404	1	Panel, Engine Pod	

FIGURE 1-3. HOOD ASSEMBLY

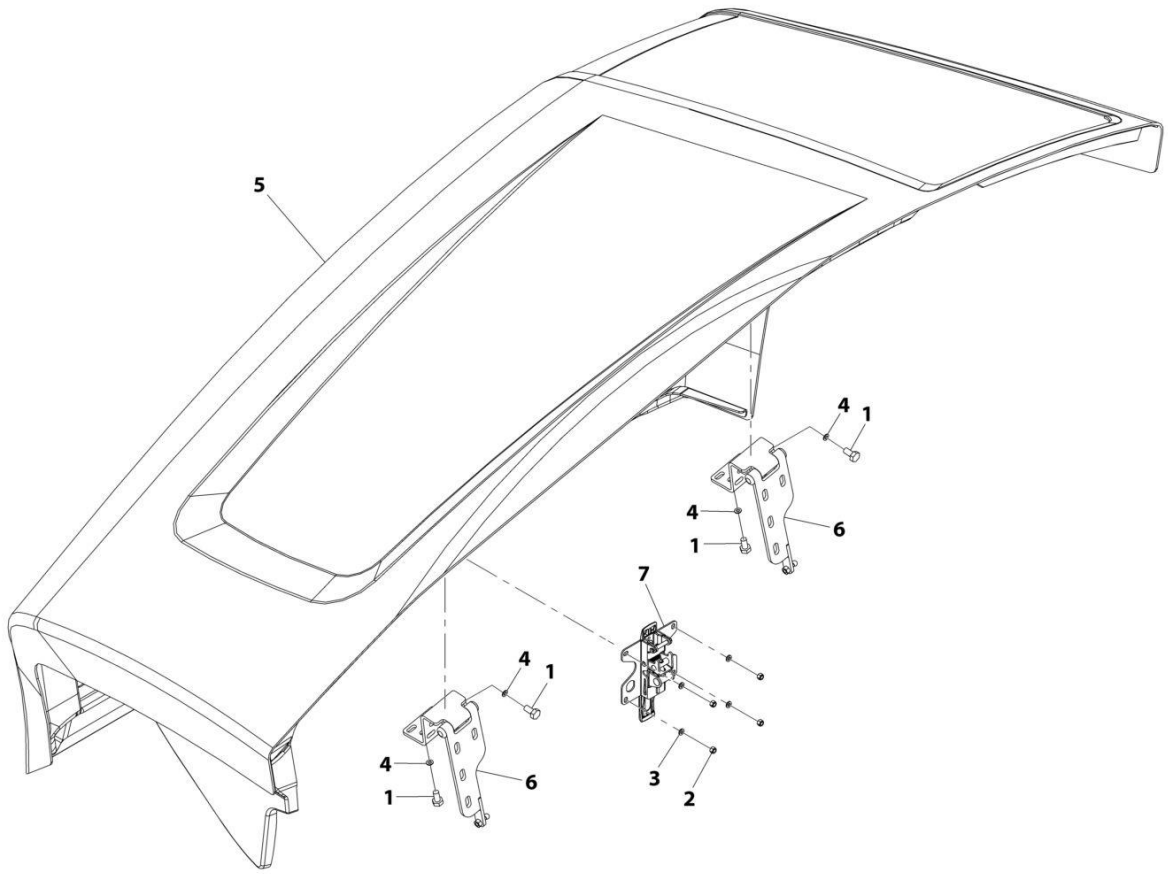


FIGURE 1-3. HOOD ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235963	Ref	Hood Assembly	B
1	0761010	8	Bolt, M10X20	
2	3290605	4	Nut, Lock M6X1	
3	4811700	4	Washer, M6	
4	4812000	8	Washer, M10	
5	1001234455	1	Hood	
6	1001209387	2	Hinge, Hood	
7	1001132168	1	Latch, Hood	

FIGURE 1-4. COVER INSTALLATION (NO OUTRIGGERS) (ULS)

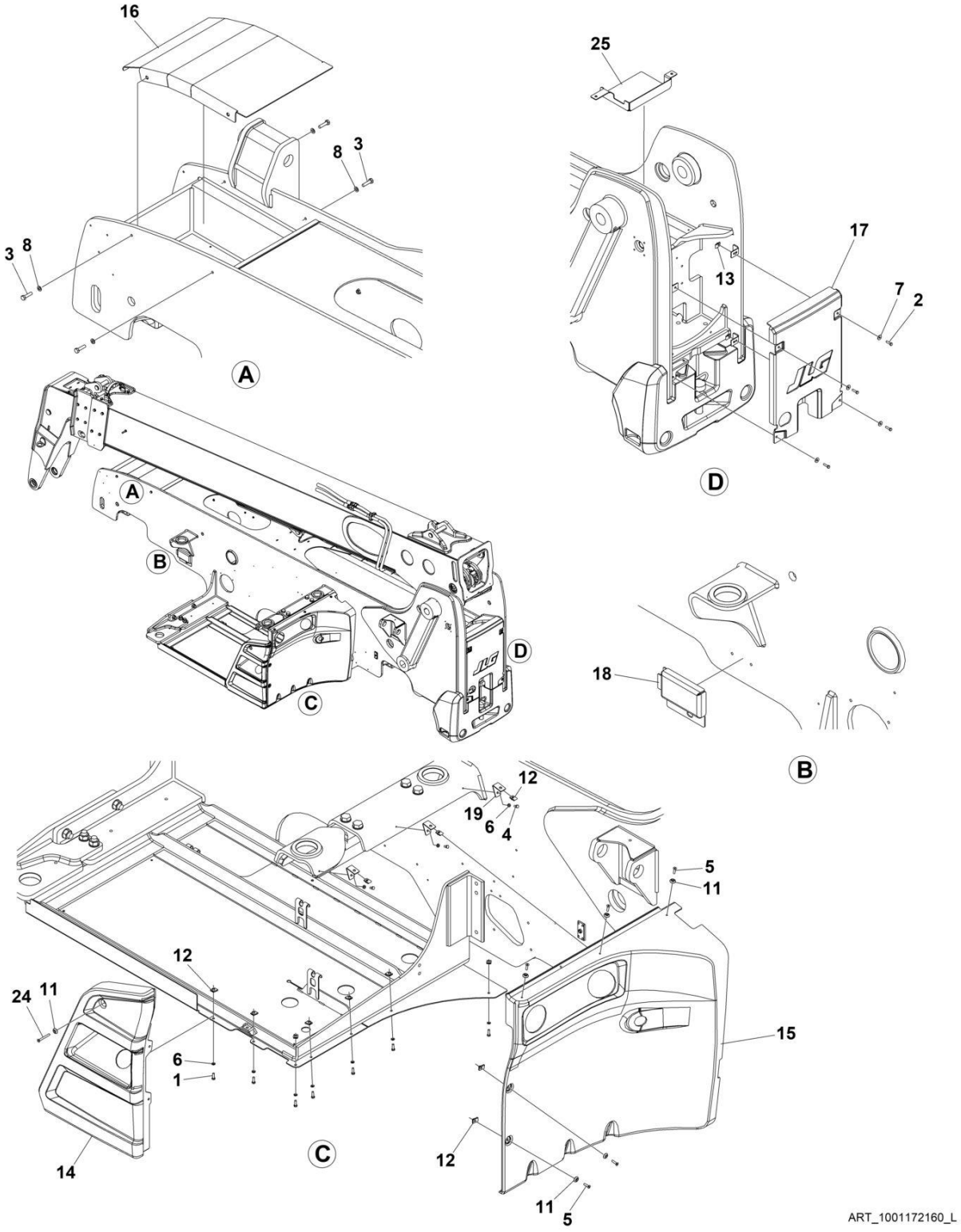


FIGURE 1-4. COVER INSTALLATION (NO OUTRIGGERS) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172160	Ref	Cover Installation (No Outriggers) (ULS)	L
1	0700610	7	Bolt, M6X20	
2	0700814	4	Bolt, M8X30	
3	0701016	4	Bolt, M10X40	
4	0760606	3	Bolt, M6X12	
5	3900379	5	Screw, M6-1X25 Grade 10.9	
6	4811700	10	Washer, M6	
7	4811902	4	Washer, M8	
8	4812000	4	Washer, M10	
11	1001097540	6	Washer, M6	
12	1001130220	12	Nut, M6	
13	1001149160	4	Nut, M8	
14	1001168760	1	Cover, Side Tank	
15	1001179548	1	Cover, Rear Tank	
16	1001207343	1	Shield, Battery	
17	1001170645	1	Cover	
18	1001201646	1	Shield, Inspection Port	
19	1001171772	3	Bracket	
24	1001112902	1	Screw, M6	
25	1001173468	1	Cover, Rear Frame Module	

FIGURE 1-5. COVER INSTALLATION (NO OUTRIGGERS) (LS)

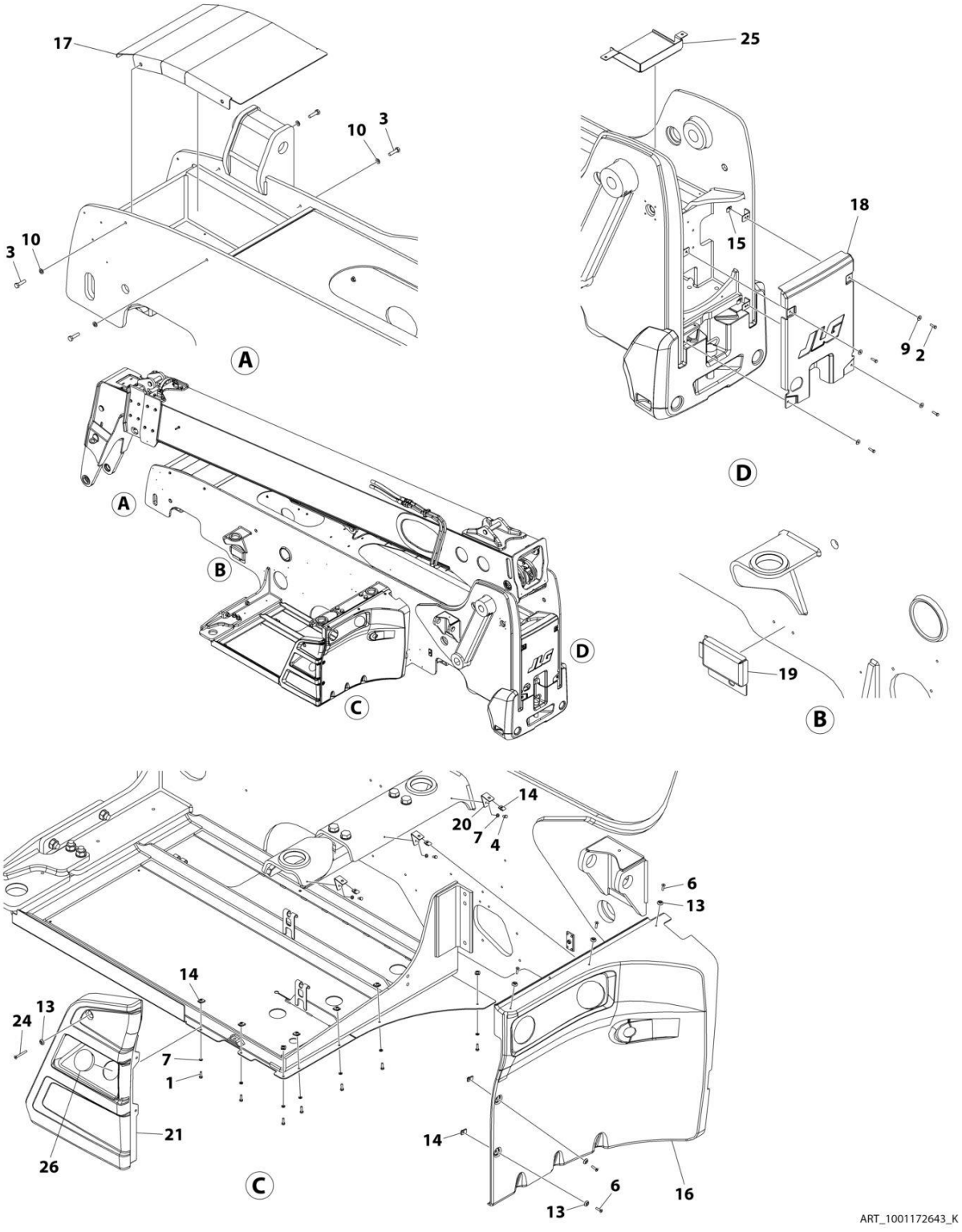


FIGURE 1-5. COVER INSTALLATION (NO OUTRIGGERS) (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172643	Ref	Cover Installation (No Outriggers), 74HP (LS)	K
1	0700610	7	Bolt, M6X20	
2	0700814	4	Bolt, M8X30	
3	0701016	4	Bolt, M10X40	
4	0760606	3	Bolt, M6X12	
6	3900379	5	Screw, M6-1X25	
7	4811700	10	Washer, M6	
9	4811902	4	Washer, M8	
10	4812000	4	Washer, M10	
13	1001097540	6	Washer, M6	
14	1001130220	12	Nut, M6	
15	1001149160	4	Nut, M8	
16	1001168761	1	Cover, Rear Tank	
17	1001207343	1	Shield, Battery	
18	1001170645	1	Cover	
19	1001201646	1	Shield, Inspection Port	
20	1001171772	3	Bracket	
21	1001168760	1	Cover, Side Tank	
24	1001112902	1	Screw, M6	
25	1001173468	1	Cover, Rear Frame Module	
26	1001206746	1	Cap, Side Tank Cover	

FIGURE 1-6. TANK INSTALLATION

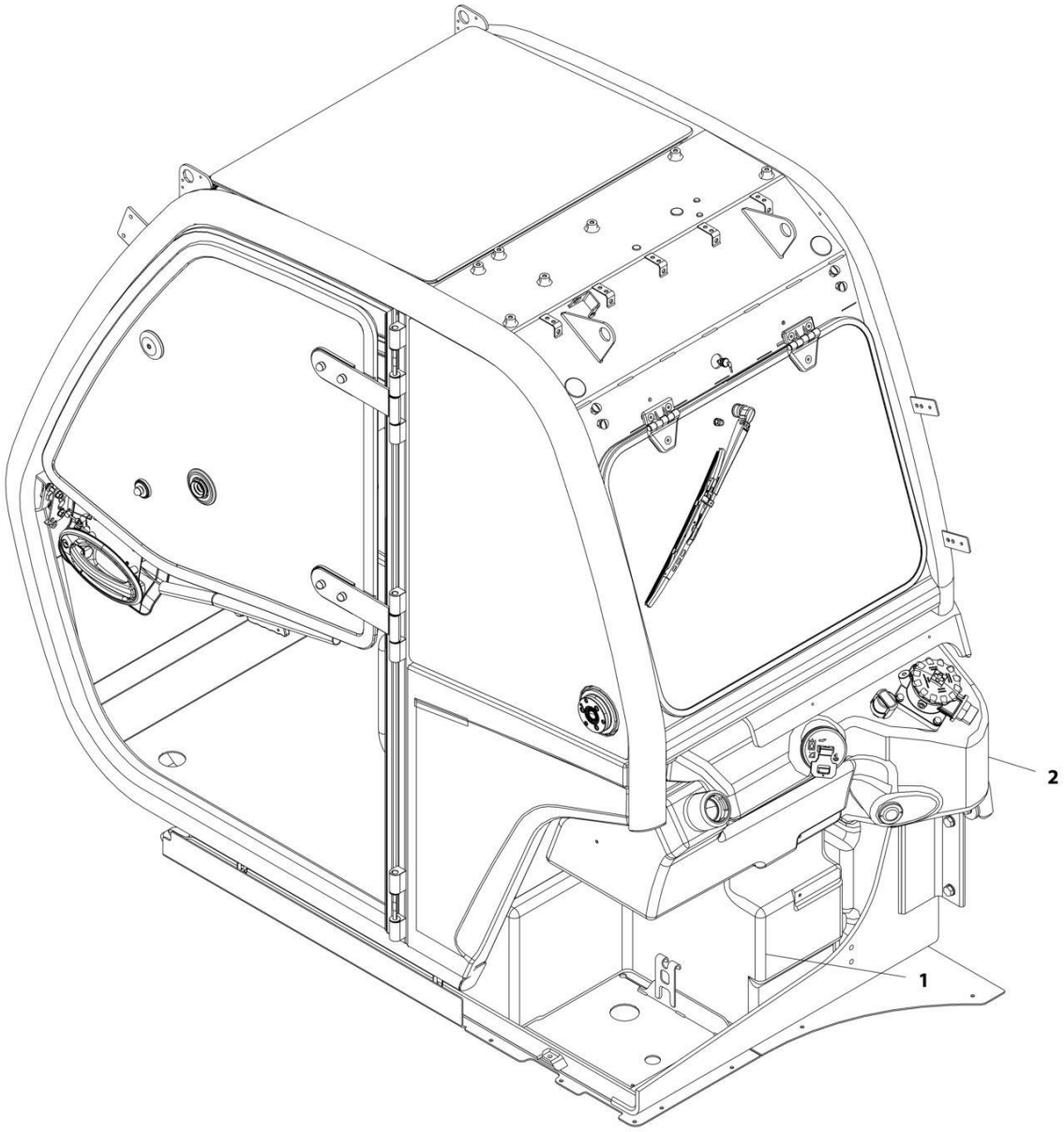


FIGURE 1-6. TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160735	Ref	Tank Installation	A
1	1001171153	1	Installation, Fuel Tank (See Separate Breakdown in this Section)	
2	1001171154	1	Installation, Hydraulic Tank (See Separate Breakdown in this Section)	

FIGURE 1-7. FUEL TANK INSTALLATION

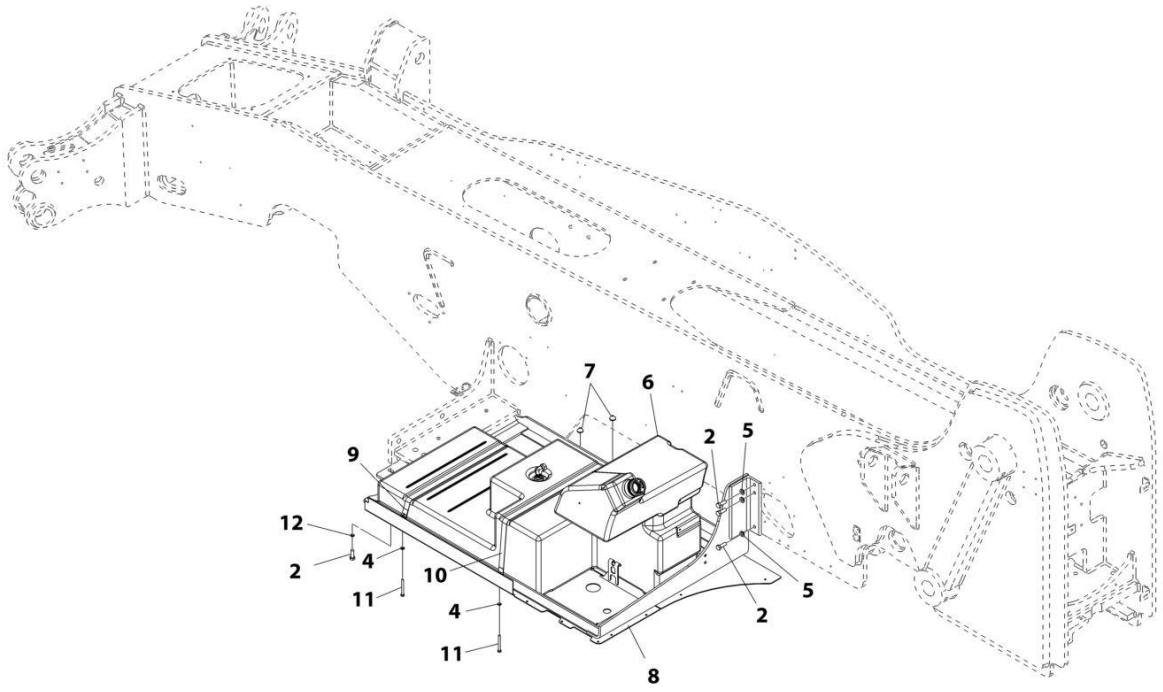


FIGURE 1-7. FUEL TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171153	Ref	Fuel Tank Installation	H
2	0761215	6	Bolt, M12X35	
4	4811900	2	Washer, M8	
5	4812100	3	Washer, M12	
6	1001211432	1	Tank, Fuel (See Separate Breakdown in ENGINE AND ATTACHING PARTS Section)	
7	1001169454	4	Mount, Buffer	
8	1001169602	1	Support, Tank Plate	
9	1001170071	1	Strap, Tank	
10	1001170072	1	Strap, Tank	
11	0760823	2	Bolt, M8X75	
12	4812102	3	Washer, M12	

FIGURE 1-8. HYDRAULIC TANK INSTALLATION

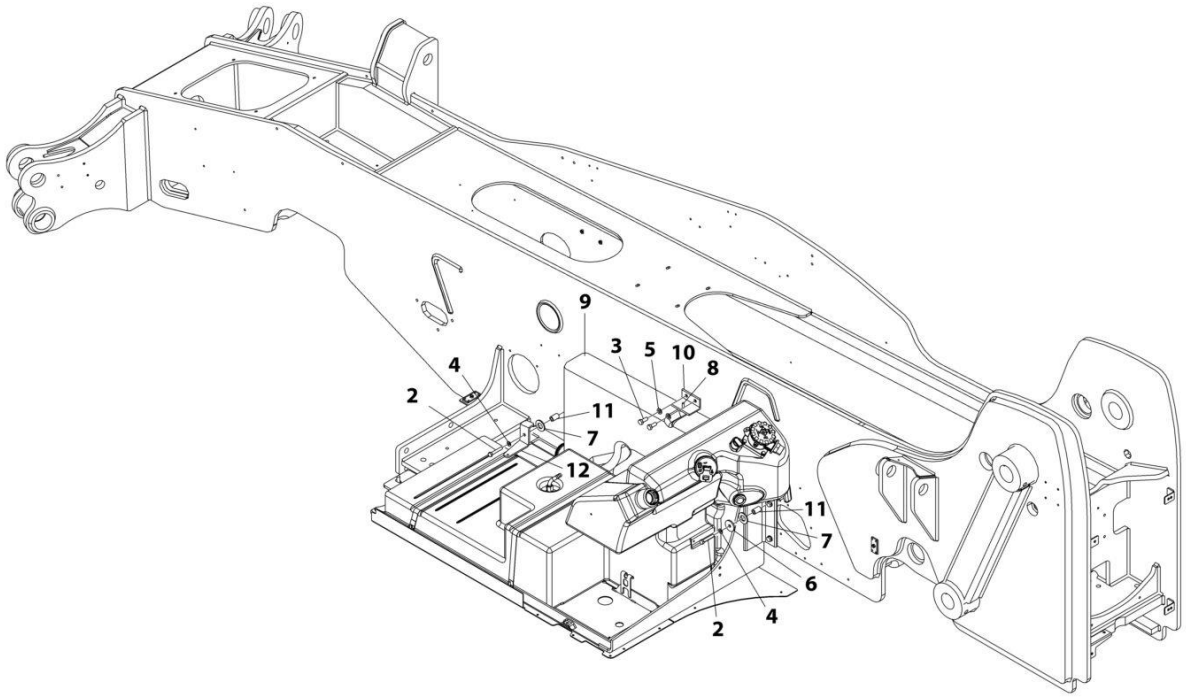
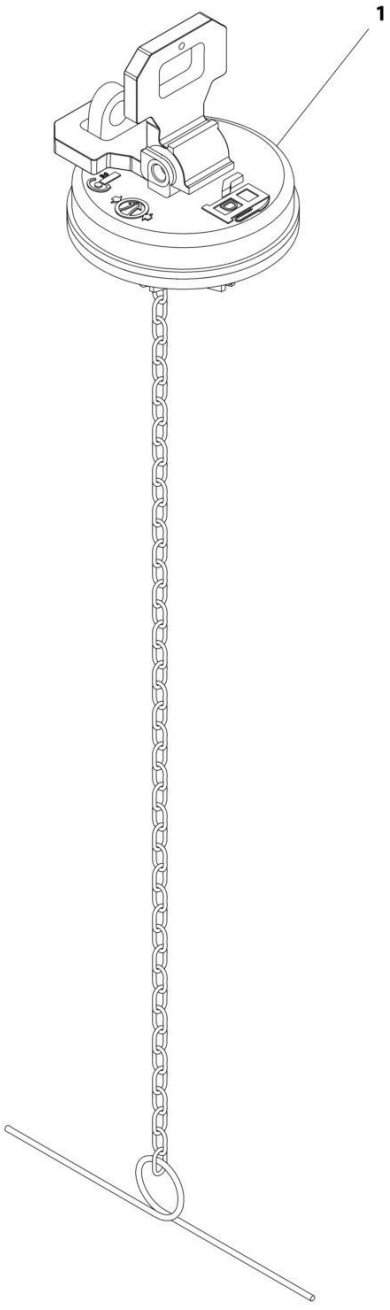


FIGURE 1-8. HYDRAULIC TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171154	Ref	Hydraulic Tank Installation	E
2	0701020	2	Bolt, M10X60	
3	0761214	2	Bolt, M12X30	
4	4812000	2	Washer, M10	
5	4812100	2	Washer, M12	
6	1001172147	1	Washer, M10	
7	1001172146	2	Washer, Rubber	
8	1001008575	1	Bumper, Conical	
9	1001163067	1	Tank, Hydraulic (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
10	1001169461	1	Bracket	
11	1001171179	2	Spacer	
12	1001210707	1	Bracket	

FIGURE 1-9. FUEL CAP ASSEMBLY



ART_1001194978-A

FIGURE 1-9. FUEL CAP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001194978	1	Fuel Cap Assembly	A

FIGURE 1-10. MIRROR INSTALLATION

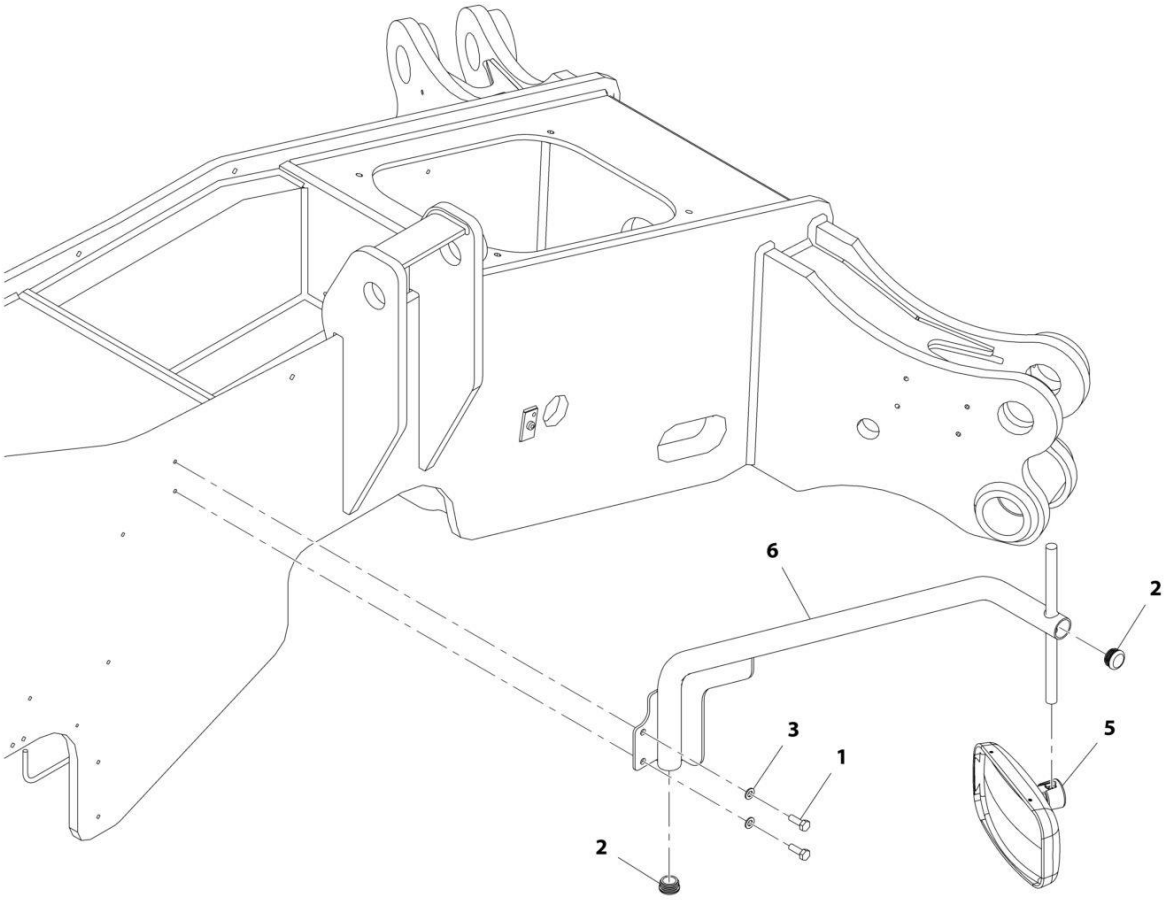


FIGURE 1-10. MIRROR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160255	Ref	Mirror Installation	D
1	0701014	2	Bolt, M10X30 Grade 8	
2	3520186	2	Plug	
3	4812000	2	Washer, M10	
5	1001191635	1	Mirror, Convex	
6	1001191603	1	Bracket	

FIGURE 1-11. BOOM PROP INSTALLATION (ANSI)

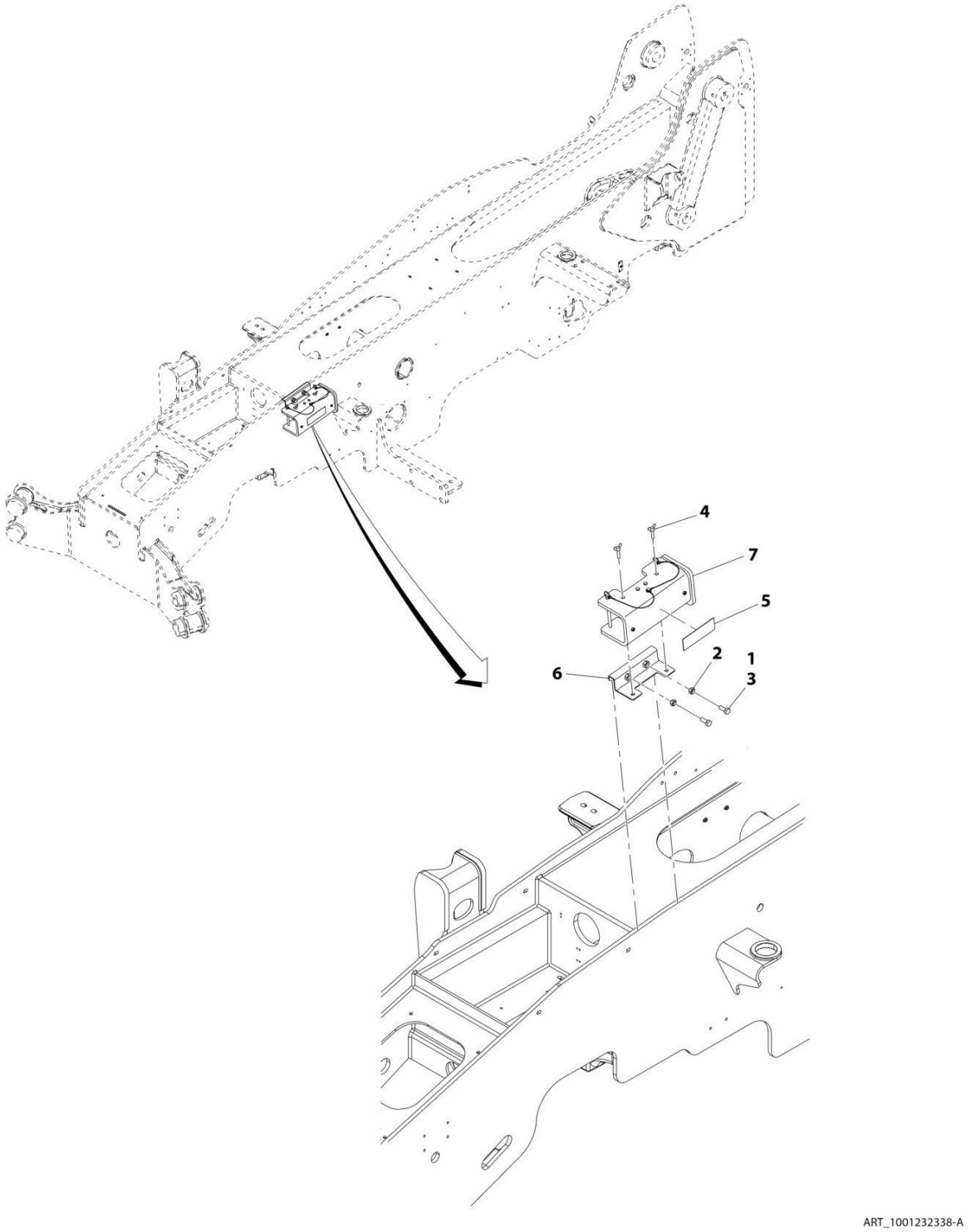


FIGURE 1-11. BOOM PROP INSTALLATION (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232338	Ref	Boom Prop Installation (ANSI)	A
1	0761214	2	Bolt, M12X30	
2	3291201	2	Nut, M12X1.75	
3	1001095650	AR	Compound, Locking	
4	1001101458	2	Wing Bolt, M8X40	
5	1001232147	1	Decal, Warning	
6	1001232299	1	Bracket, Mount	
7	1001232336	Ref	Bracket, Boom Prop (See Separate Breakdown in this Section)	

FIGURE 1-12. BOOM PROP INSTALLATION (CANADA)

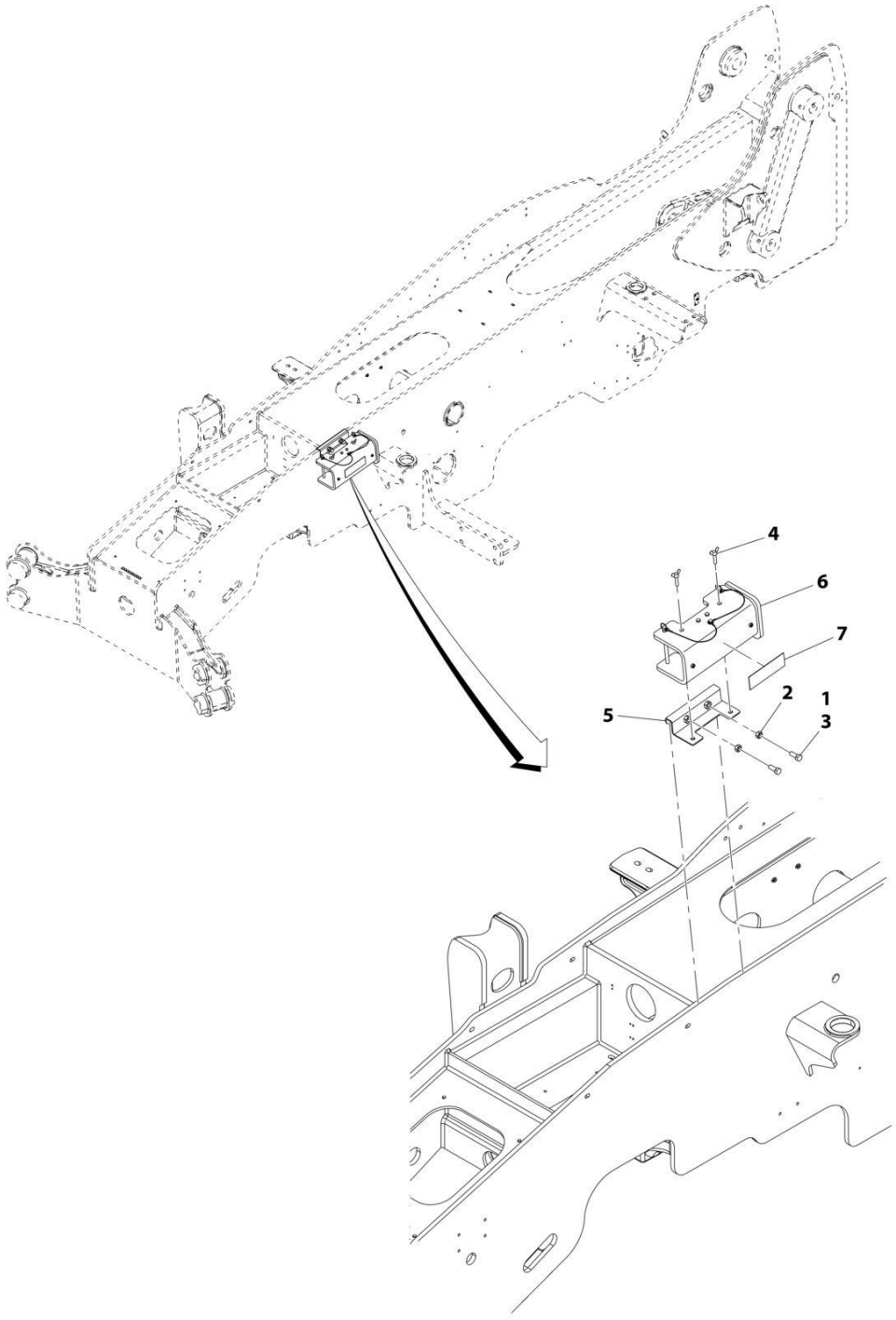


FIGURE 1-12. BOOM PROP INSTALLATION (CANADA)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234139	Ref	Boom Prop Installation (Canada)	A
1	0761214	2	Bolt, M12X30	
2	3291201	2	Nut, M12X1.75	
3	1001095650	AR	Compound, Locking	
4	1001101458	2	Wing Bolt, M8X40	
5	1001232299	1	Bracket, Mount	
6	1001232336	Ref	Bracket, Boom Prop (See Separate Breakdown in this Section)	
7	1001234253	1	Decal, Warning	

FIGURE 1-13. BOOM PROP BRACKET

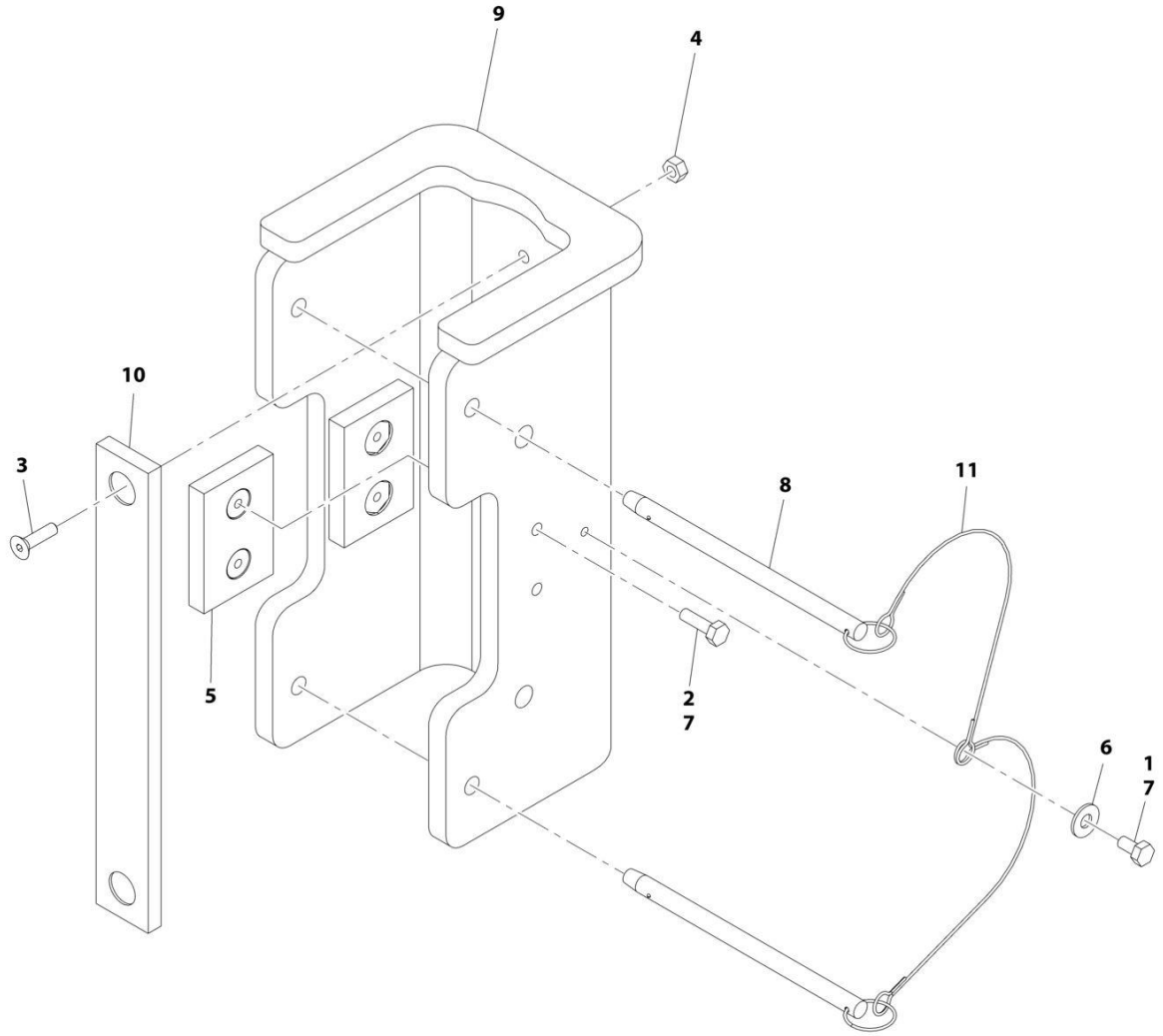


FIGURE 1-13. BOOM PROP BRACKET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232336	Ref	Boom Prop Bracket	A
1	0641404	1	Bolt, 1/4-20X1/2	
2	0641407	4	Bolt, 1/4-20X7/8	
3	0741408	2	Bolt, 1/4-20	
4	3311405	2	Nut, Lock 1/4-20	
5	3340829	2	Pad, Wear	
6	4751400	1	Washer	
7	1001095650	AR	Compound, Locking	
8	1001164019	2	Pin, Ball Locking	
9	1001232588	1	Bracket	
10	4679000268	1	Pad, Wear	
11	1001164183	2	Lanyard, Boom Prop	

FIGURE 1-14. COUNTERWEIGHT INSTALLATION

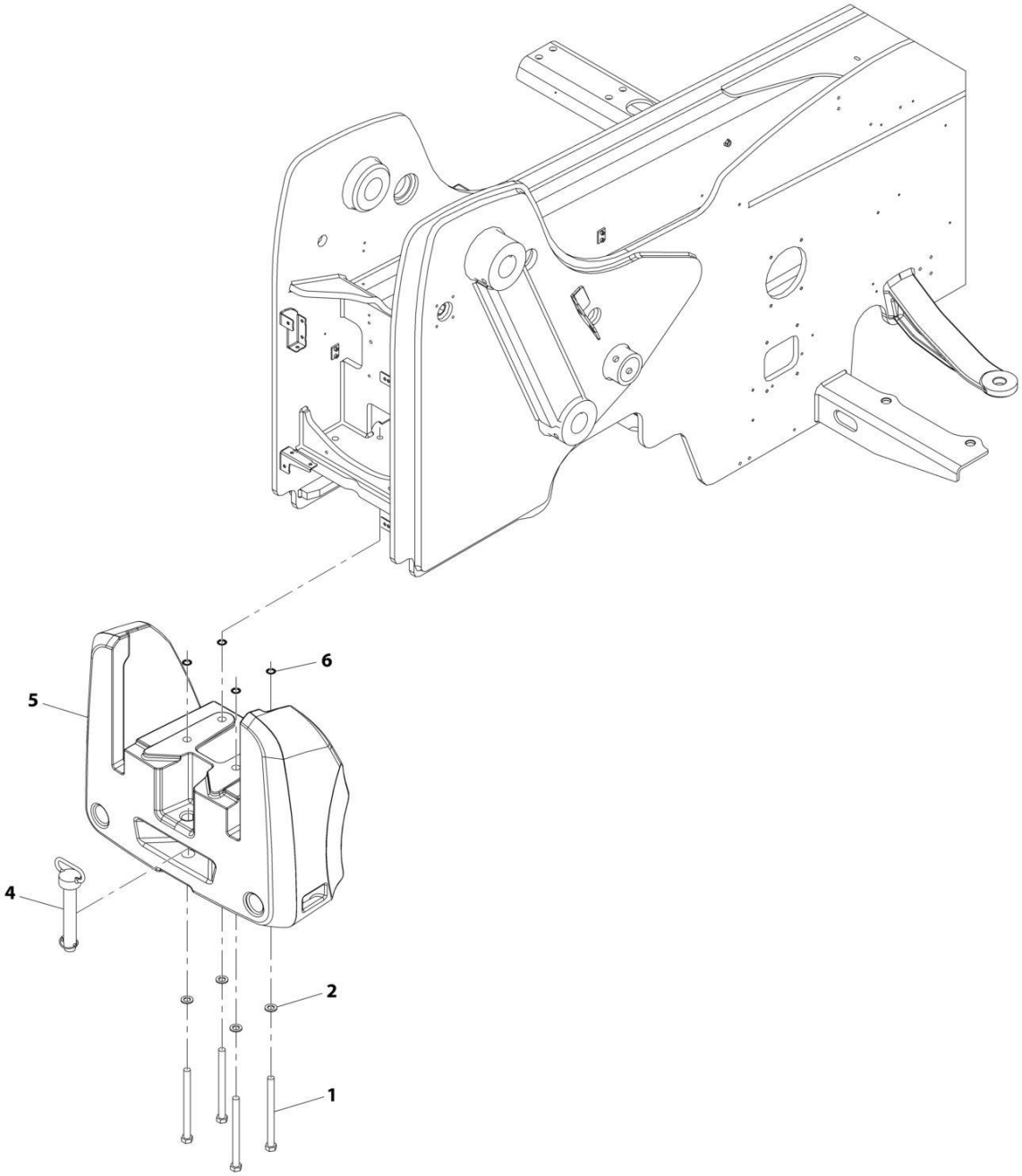


FIGURE 1-14. COUNTERWEIGHT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175368	Ref	Counterweight Installation	F
1	0712042	4	Bolt, M20X250 Grade 10.9	
2	8310620	4	Washer, M20	
4	1001160250	1	Pin, Hitch	
5	1001177654J	1	Counterweight	
6	1001218341	4	Washer	

SECTION 2 - BOOM

FIGURE 2-1. BOOM ASSEMBLY

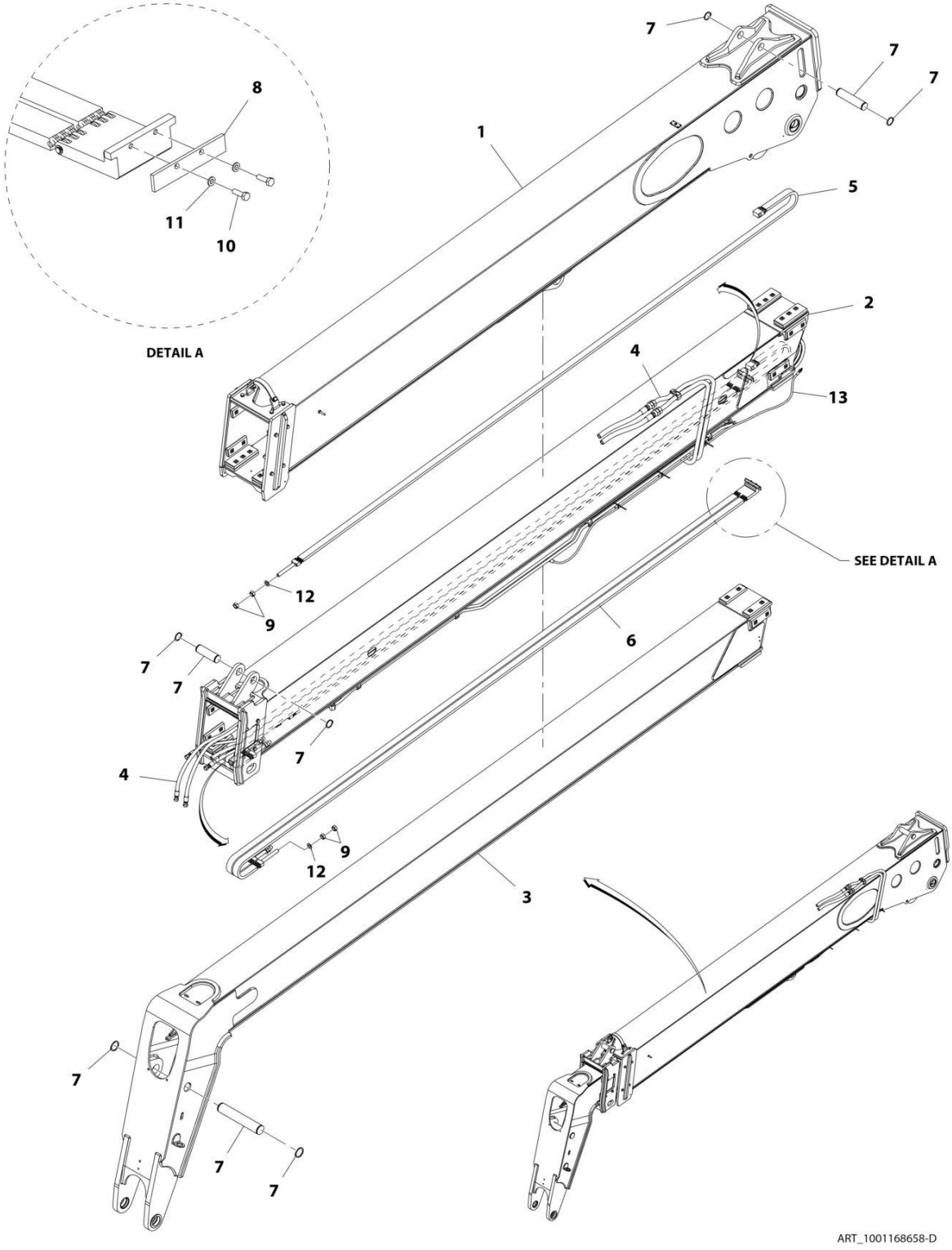


FIGURE 2-1. BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168658	Ref	Boom Assembly	D
1	1001168341	Ref	Assembly, First Boom Section (See Separate Breakdown in this Section)	
2	1001168546	Ref	Assembly, Second Boom Section (See Separate Breakdown in this Section)	
3	1001168602	Ref	Assembly, Third Boom Section (See Separate Breakdown in this Section)	
4	1001173471	Ref	Installation, Boom Hydraulic Tubes (See Separate Breakdown in HYDRAULIC CIRCUITS Section)	
5	1001169278	Ref	Installation, Retract Chain (See Separate Breakdown in this Section)	
6	1001169281	Ref	Installation, Extend Chain (See Separate Breakdown in this Section)	
7	1001173541	Ref	Installation, Pins (See Separate Breakdown in this Section)	
8	1001171450	1	Plate, Clevis	
9	3332011	6	Nut, M20X2.5	
10	0700610	2	Bolt, M6X20	
11	4811700	2	Washer, M6	
12	4812500	3	Washer, M20	
13	1001206432	1	Hose	

FIGURE 2-2. FIRST BOOM SECTION ASSEMBLY

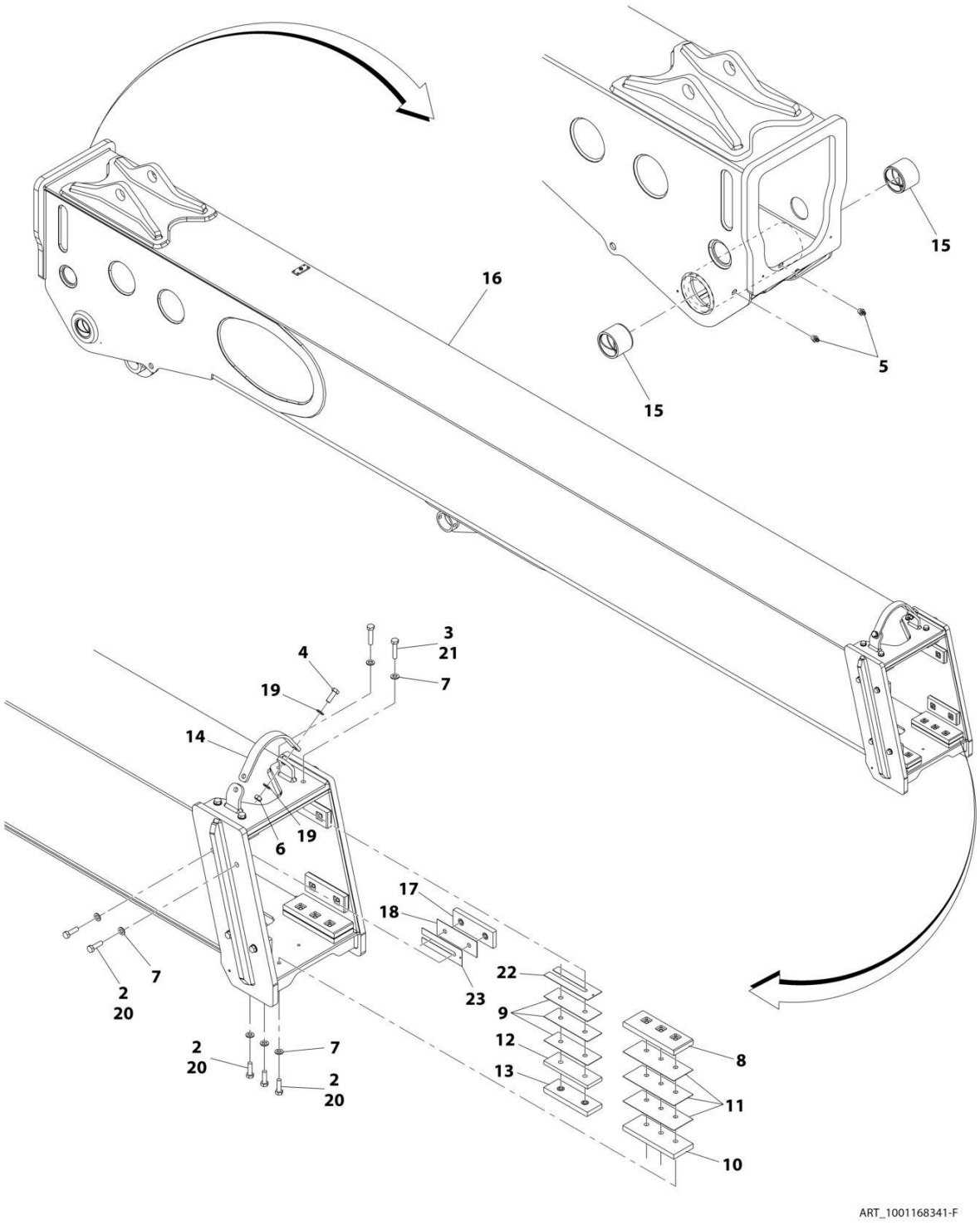


FIGURE 2-2. FIRST BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168341	Ref	First Boom Section Assembly	F
2	0711216	14	Bolt, M12X40 Grade 10.9	
3	0711219	4	Bolt, M12X55 Grade 10.9	
4	0711215	2	Bolt, M12X35	
5	2160016	2	Fitting, Grease	
6	3291201	2	Nut, M12X1.75 Grade 8	
7	1001125117	AR	Washer, M12	
8	1001162469	2	Pad	
9	1001163034	AR	Plate, Spacer	
10	1001189714	2	Plate, Stop	
11	1001163112	AR	Plate, Spacer	
12	1001163136	2	Plate, Stop	
13	1001165171	2	Pad	
14	1001168368	1	Strap	
15	1001188244	2	Bearing, Boom Pivot	
16	1001168342J	1	Boom, First	
17	1001165172	4	Pad	
18	1001165367	AR	Plate, Spacer	
19	4812100	4	Washer, M12	
20	0711217	AR	Bolt, M12X45	
21	0711220	AR	Bolt, M12-1.75X60 Grade 10.9	
22	1001163103	AR	Plate, Shim	
23	1001200989	AR	Plate, Shim	

FIGURE 2-3. SECOND BOOM SECTION ASSEMBLY

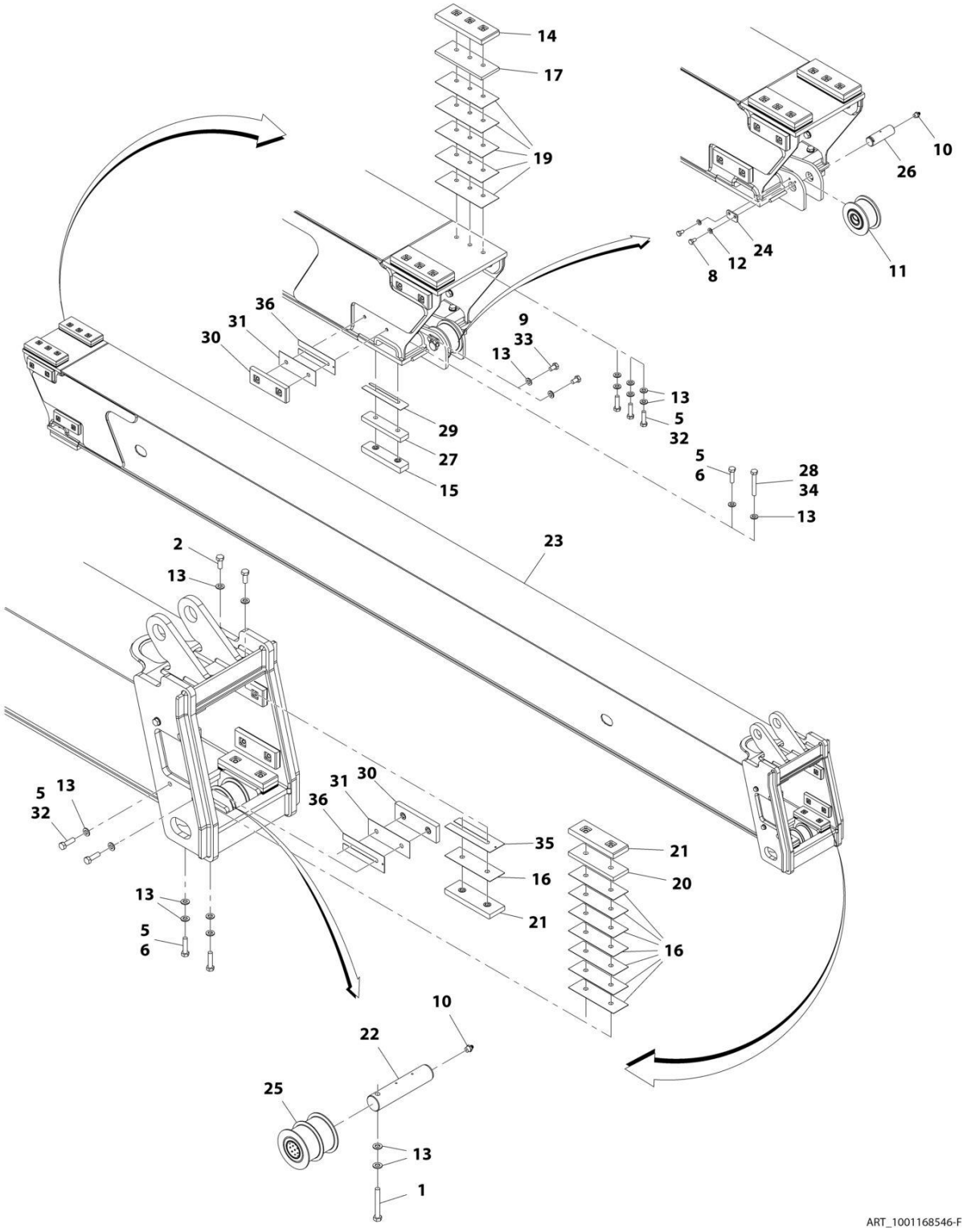


FIGURE 2-3. SECOND BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168546	Ref	Second Boom Section Assembly	F
1	0701226	1	Bolt, M12X90 Grade 10.9	
2	0711214	4	Bolt, M12X30 Grade 10.9	
5	0711217	8	Bolt, M12X45	
6	0711218	4	Bolt, M12X50 Grade 10.9	
8	0770807	2	Bolt, M8X14 Grade 10.9	
9	0771210	8	Bolt, M12X20 Grade 10.9	
10	2160016	2	Fitting, Grease	
11	7138986	1	Sheave, Retract Chain (See Separate Breakdown in this Section)	
12	4811900	2	Washer, M8	
13	1001125117	AR	Washer, M12	
14	1001162469	2	Pad	
15	1001163029	2	Pad	
16	1001163034	AR	Plate, Spacer	
17	1001163035	2	Plate, Stop	
19	1001163112	AR	Plate, Spacer	
20	1001163136	2	Plate, Stop	
21	1001165171	4	Pad	
22	1001167493	1	Pin	
23	1001168547	1	Boom, Second	
24	1001168561	1	Bracket	
25	1001168567	1	Roller, Extend Chain (See Separate Breakdown in this Section)	
26	1001168587	1	Pin, Boom Chain Pulley	
27	1001189492	2	Plate, Stop	
28	0711225	2	Bolt, M12X85 Grade 10.9	
29	1001189793	AR	Shim	
30	1001165172	8	Pad	
31	1001165367	AR	Plate, Spacer	
32	0711216	8	Bolt, M12X40 Grade 10.9	
33	0771212	AR	Bolt, M12X25 Grade 10.9	
34	0711226	AR	Bolt, M12X90 Grade 10.9	
35	1001163103	AR	Plate, Shim	
36	1001200989	AR	Plate, Shim	

FIGURE 2-4. THIRD BOOM SECTION ASSEMBLY

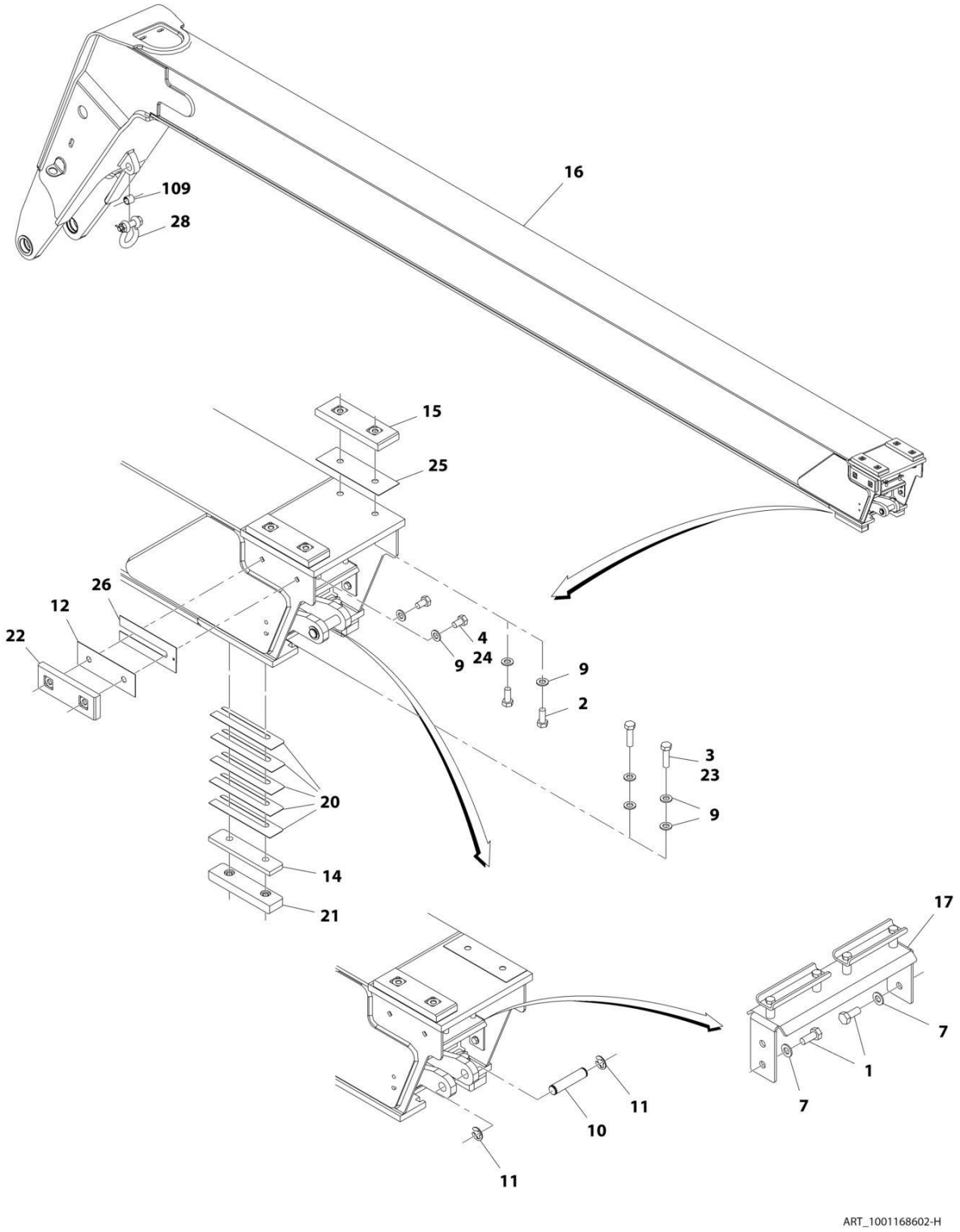


FIGURE 2-4. THIRD BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168602	Ref	Third Boom Section Assembly	H
1	0760810	4	Bolt, M8X20	
2	0711214	4	Bolt, M12X30 Grade 10.9	
3	0711217	4	Bolt, M12X45	
4	0771210	4	Bolt, M12X20 Grade 10.9	
7	4811900	4	Washer, M8	
9	1001125117	AR	Washer, M12	
10	1001163712	1	Pin	
11	1001163704	2	Ring, M15	
12	1001165367	AR	Plate, Spacer	
14	1001168589	2	Plate, Stop	
15	1001165171	2	Pad	
16	1001168603	1	Boom, Third	
17	1001168630	Ref	Installation, Hose Bracket (See Separate Breakdown in this Section)	
20	1001189793	AR	Shim	
21	1001163029	2	Pad	
22	1001165172	2	Pad	
23	0711216	AR	Bolt, M12X40 Grade 10.9	
24	0771212	AR	Bolt, M12X25 Grade 10.9	
25	1001163034	AR	Plate, Spacer	
26	1001200989	AR	Plate, Shim	
28	1001204045	1	Clevis	
109	1001204047	1	Sleeve	

FIGURE 2-5. RETRACT CHAIN INSTALLATION

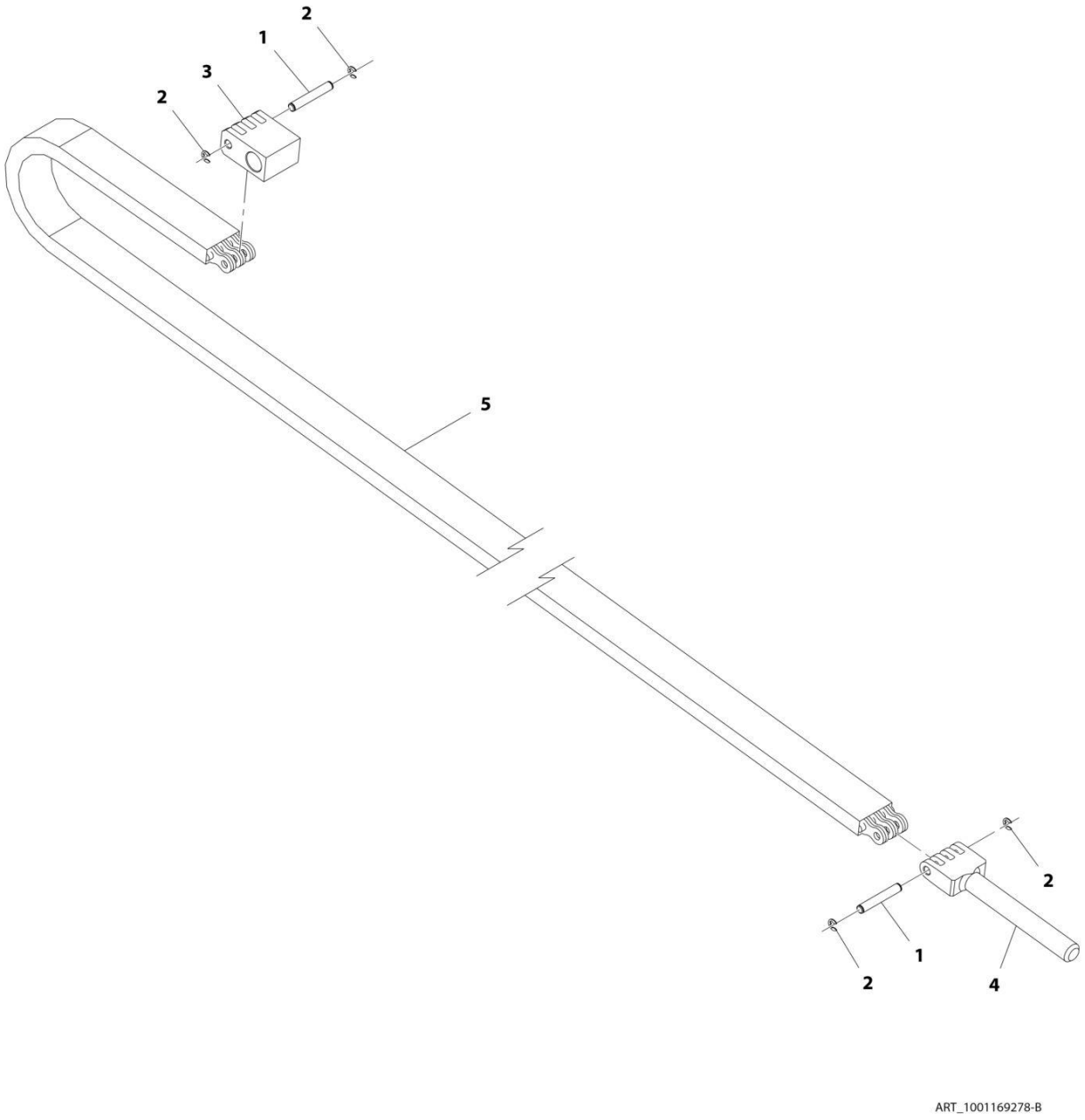


FIGURE 2-5. RETRACT CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169278	Ref	Retract Chain Installation	B
1	1001187785	2	Pin, Clevis	
2	1001166163	4	Ring, External M6	
3	1001166233	1	Clevis, Chain	
4	1001166235	1	Clevis, Chain	
5	1001169279	1	Chain, Retract	

FIGURE 2-6. EXTEND CHAIN INSTALLATION

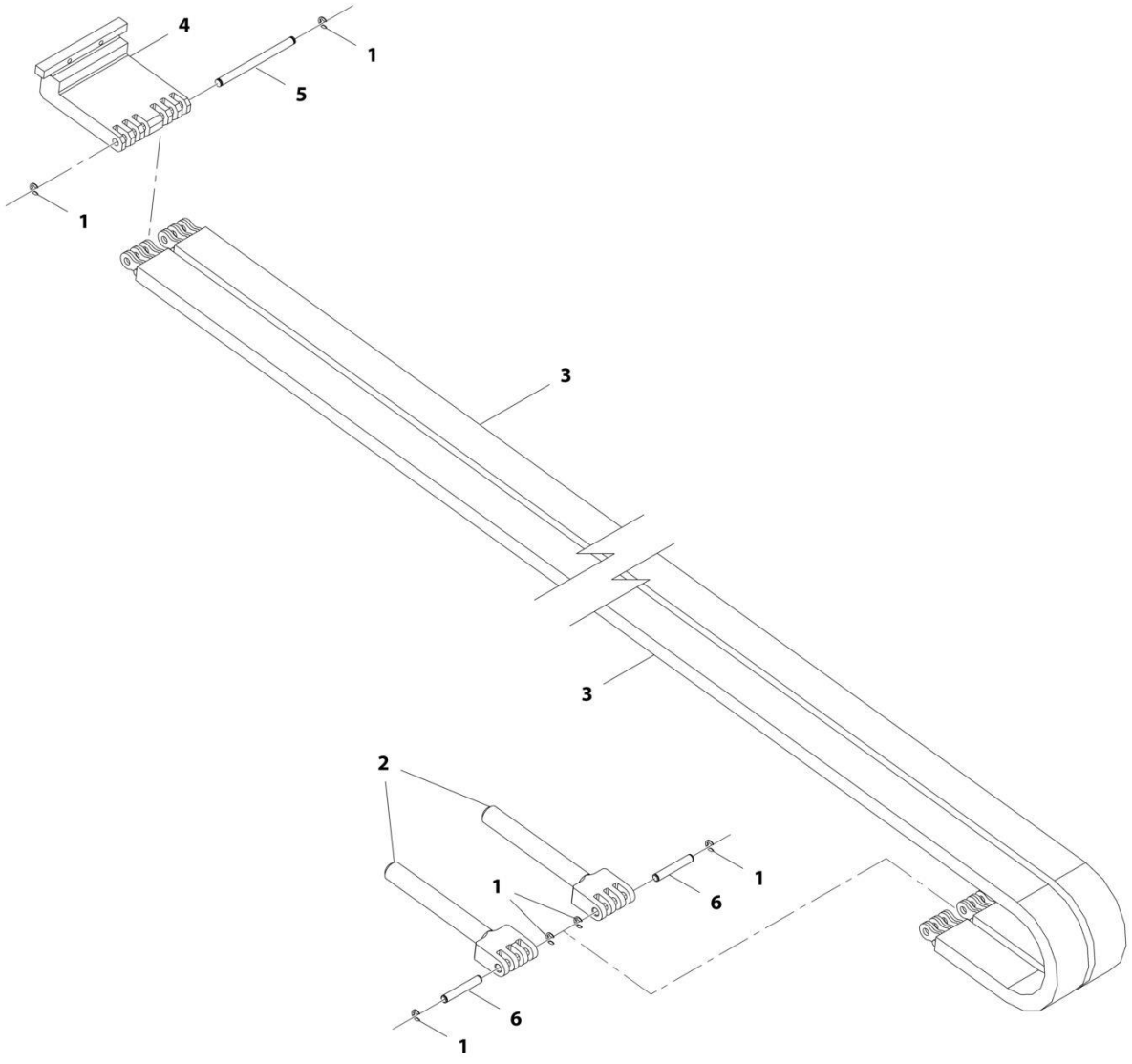


FIGURE 2-6. EXTEND CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169281	Ref	Extend Chain Installation	B
1	1001166163	6	Ring, External M6	
2	1001166235	2	Clevis, Chain	
3	1001169279	2	Chain, Retract	
4	1001169373	1	Clevis, Dual	
5	1001169379	1	Pin, Clevis	
6	1001187785	2	Pin, Clevis	

FIGURE 2-7. PINS INSTALLATION

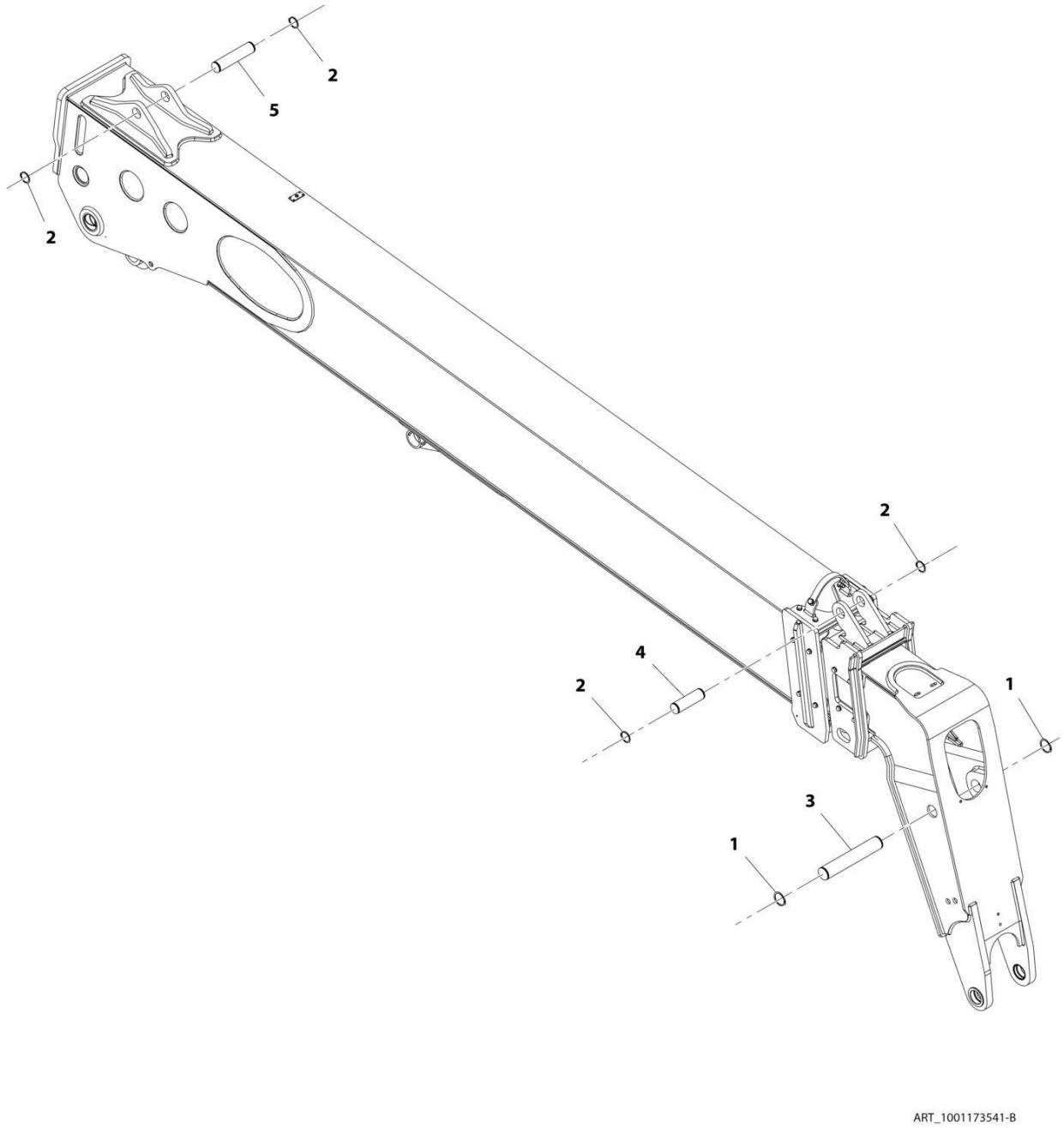


FIGURE 2-7. PINS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173541	Ref	Pins Installation	B
1	3760463	2	Ring, Retaining M60	
2	3760493	4	Ring, Retaining M50	
3	1001173538	1	Pin, Tilt Cylinder	
4	1001173539	1	Pin	
5	1001173540	1	Pin	

FIGURE 2-8. RETRACT CHAIN SHEAVE

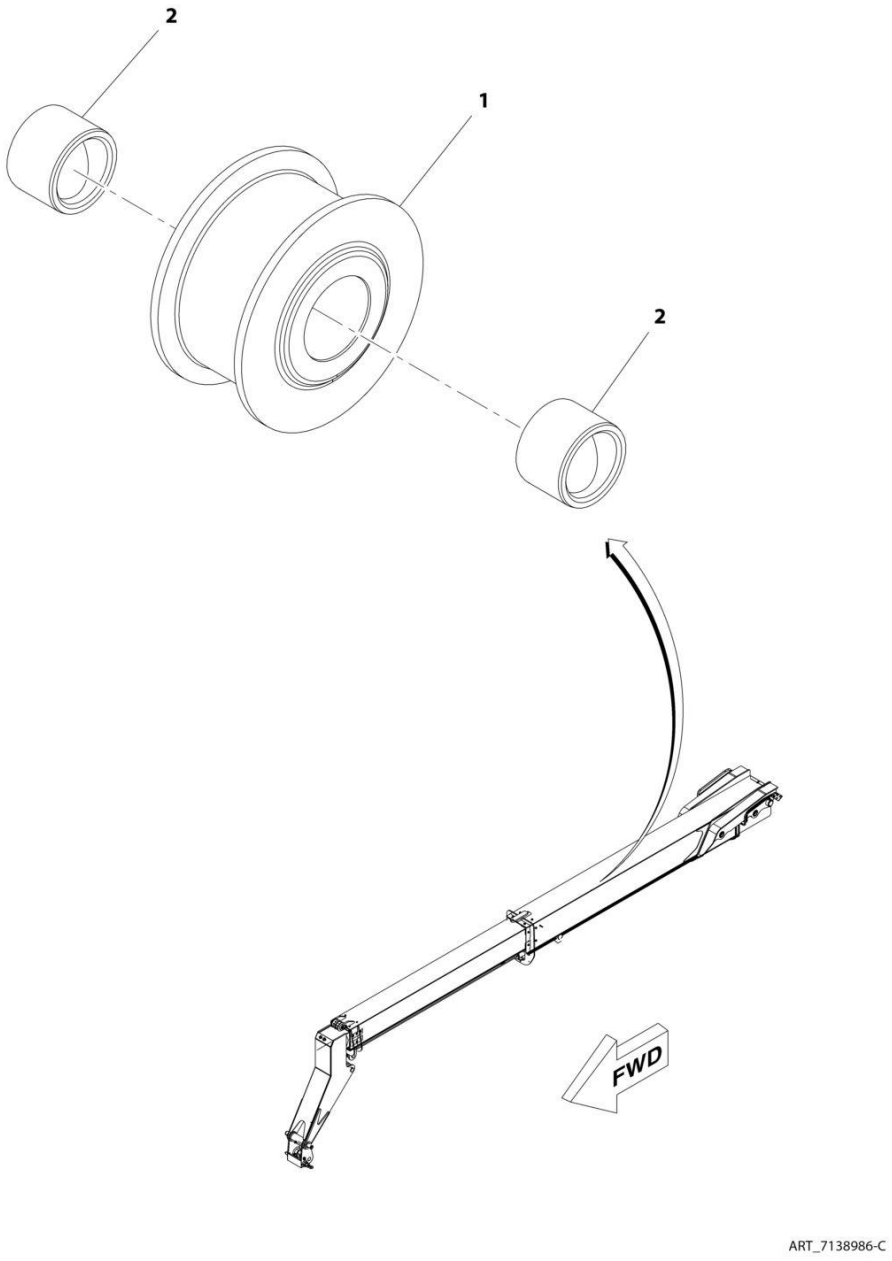


FIGURE 2-8. RETRACT CHAIN SHEAVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7138986	Ref	Retract Chain Sheave	C
1	7138978	NSS	Sheave, Retract Chain (Use PN 713898)	
2	7138979	2	Bushing, Sheave Retract Chain	

FIGURE 2-9. EXTEND CHAIN ROLLER

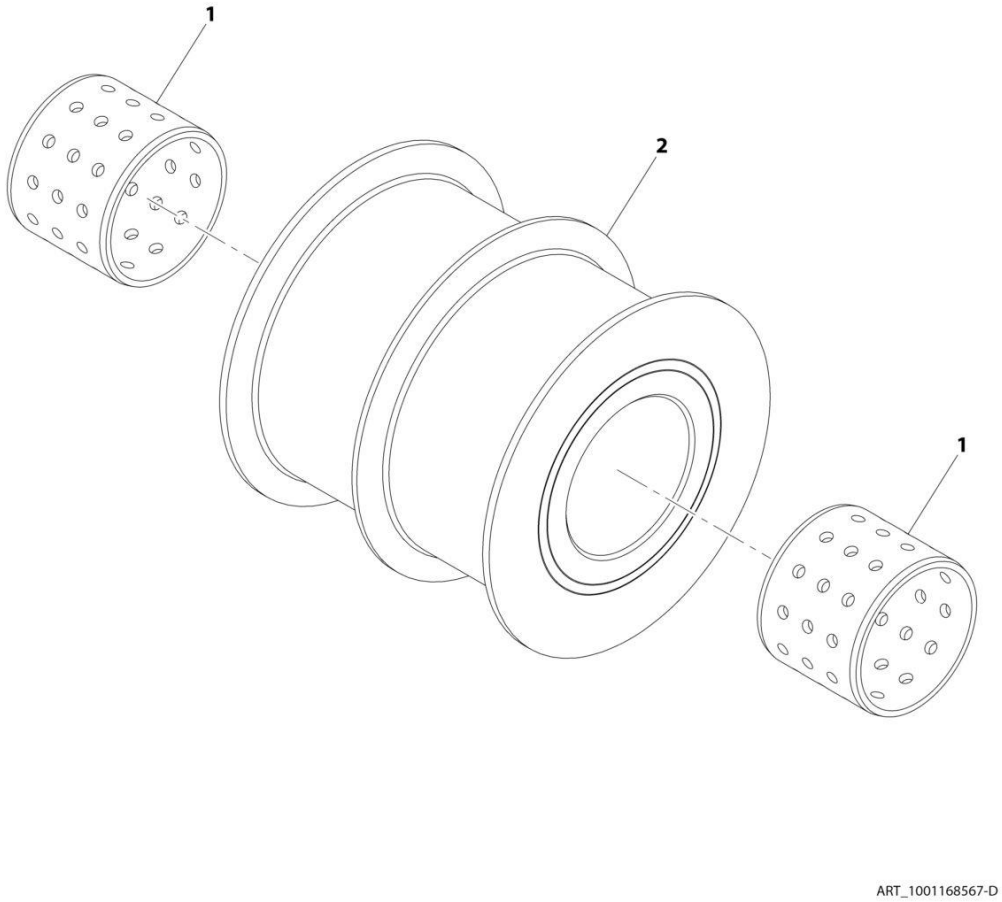


FIGURE 2-9. EXTEND CHAIN ROLLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168567	Ref	Extend Chain Roller	D
1	0440296	2	Bearing	
2	1001168831	1	Roller, Extend Chain	

FIGURE 2-10. HOSE BRACKET INSTALLATION

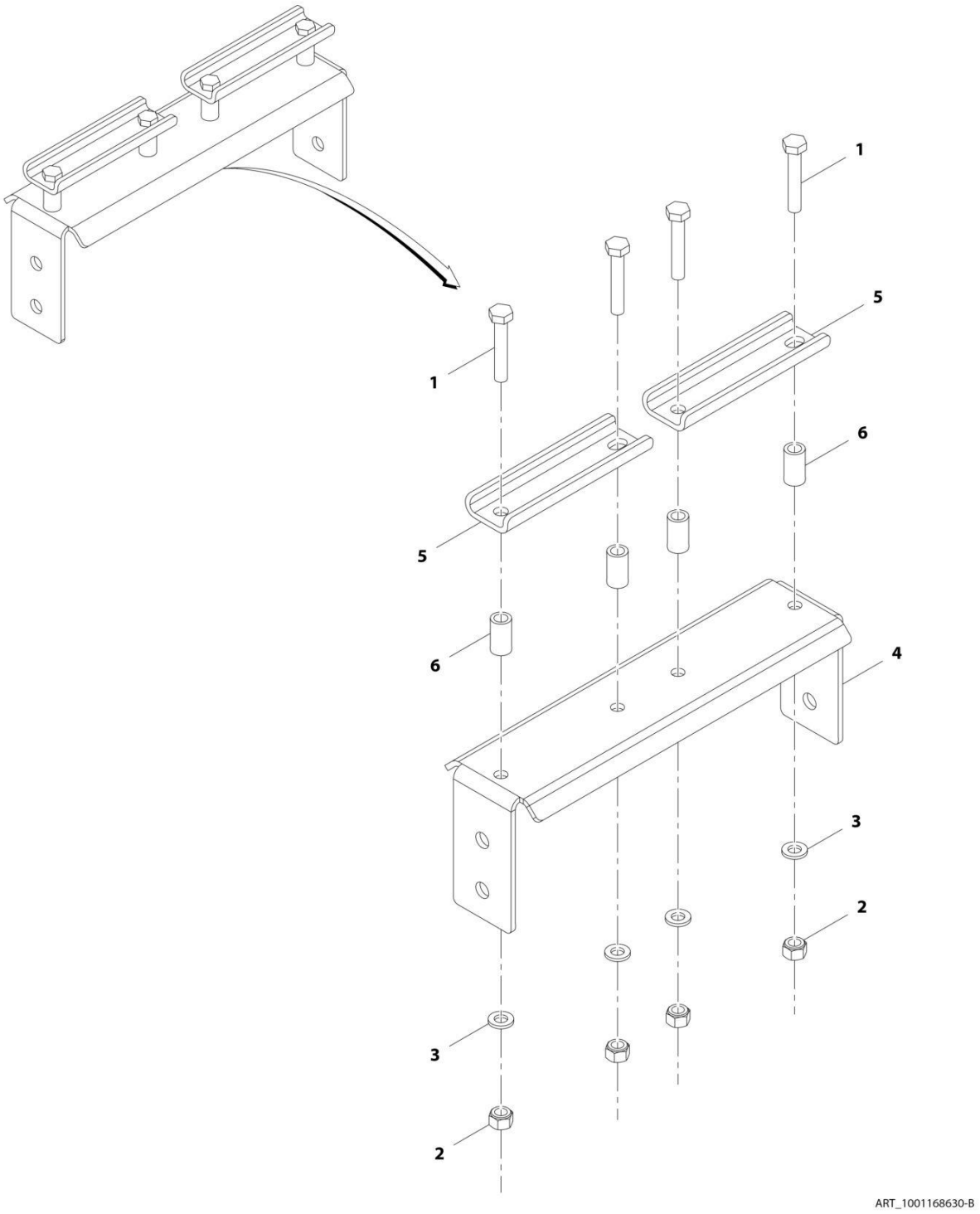


FIGURE 2-10. HOSE BRACKET INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168630	Ref	Hose Bracket Installation	B
1	0760615	4	Bolt, M6X35	
2	3290605	4	Nut, Lock M6X1 Grade 8	
3	4811700	4	Washer, M6	
4	1001168632	1	Bracket	
5	1001169209	2	Plate	
6	1001169214	4	Spacer	

FIGURE 2-11. BOOM PINNING INSTALLATION

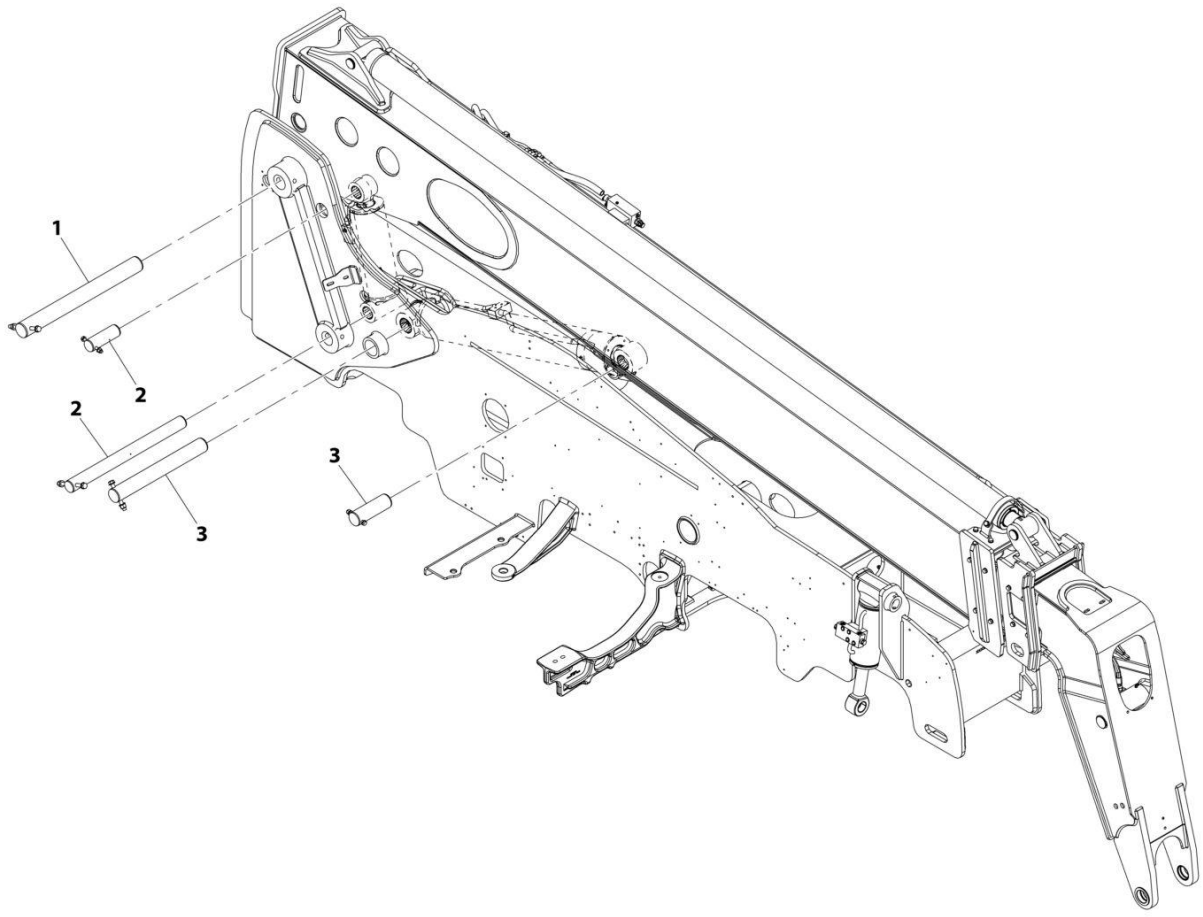
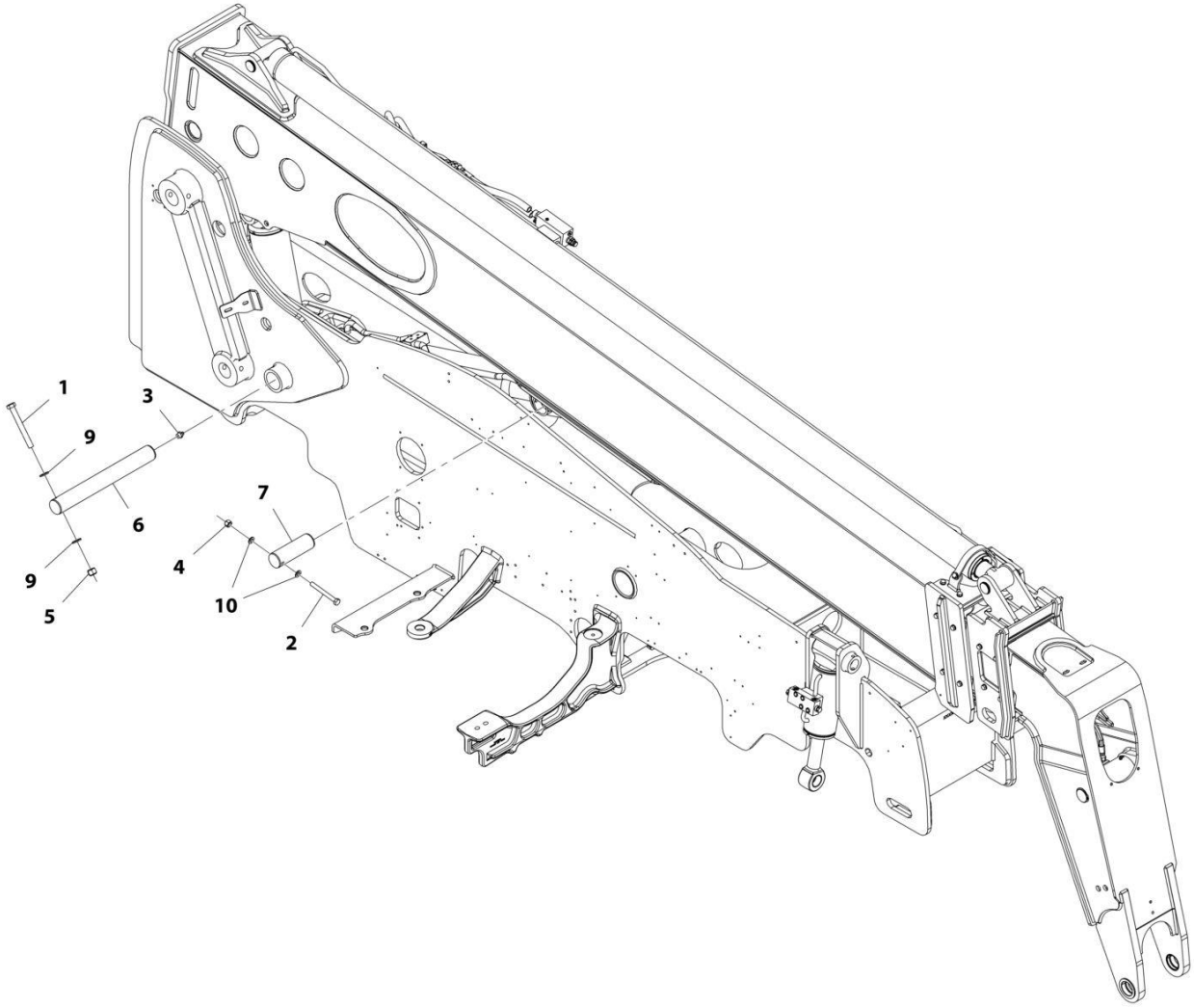


FIGURE 2-11. BOOM PINNING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168486	Ref	Boom Pinning Installation	C
1	1001172344	Ref	Installation, Boom Pivot Pin (See Separate Breakdown in this Section)	
2	1001172345	Ref	Installation, Compensation Cylinder Pins (See Separate Breakdown in this Section)	
3	1001172346	Ref	Installation, Lift Cylinder Pins (See Separate Breakdown in this Section)	

FIGURE 2-12. LIFT CYLINDER PINS INSTALLATION



ART_1001172346-G

FIGURE 2-12. LIFT CYLINDER PINS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172346	Ref	Lift Cylinder Pins Installation	G
1	0711631	1	Bolt, M16X140	
2	0711228	1	Bolt, M12X110	
3	2160016	1	Fitting, Grease	
4	3291205	1	Nut, Lock M12X1.75 Grade 8	
5	3291605	1	Nut, Lock M16X2 Grade 8	
6	1001172350	1	Pin, Cylinder	
7	1001205335	1	Pin, Cylinder	
9	4812300	2	Washer, M16	
10	4812100	2	Washer, M12	

FIGURE 2-13. COMPENSATION CYLINDER PINS INSTALLATION

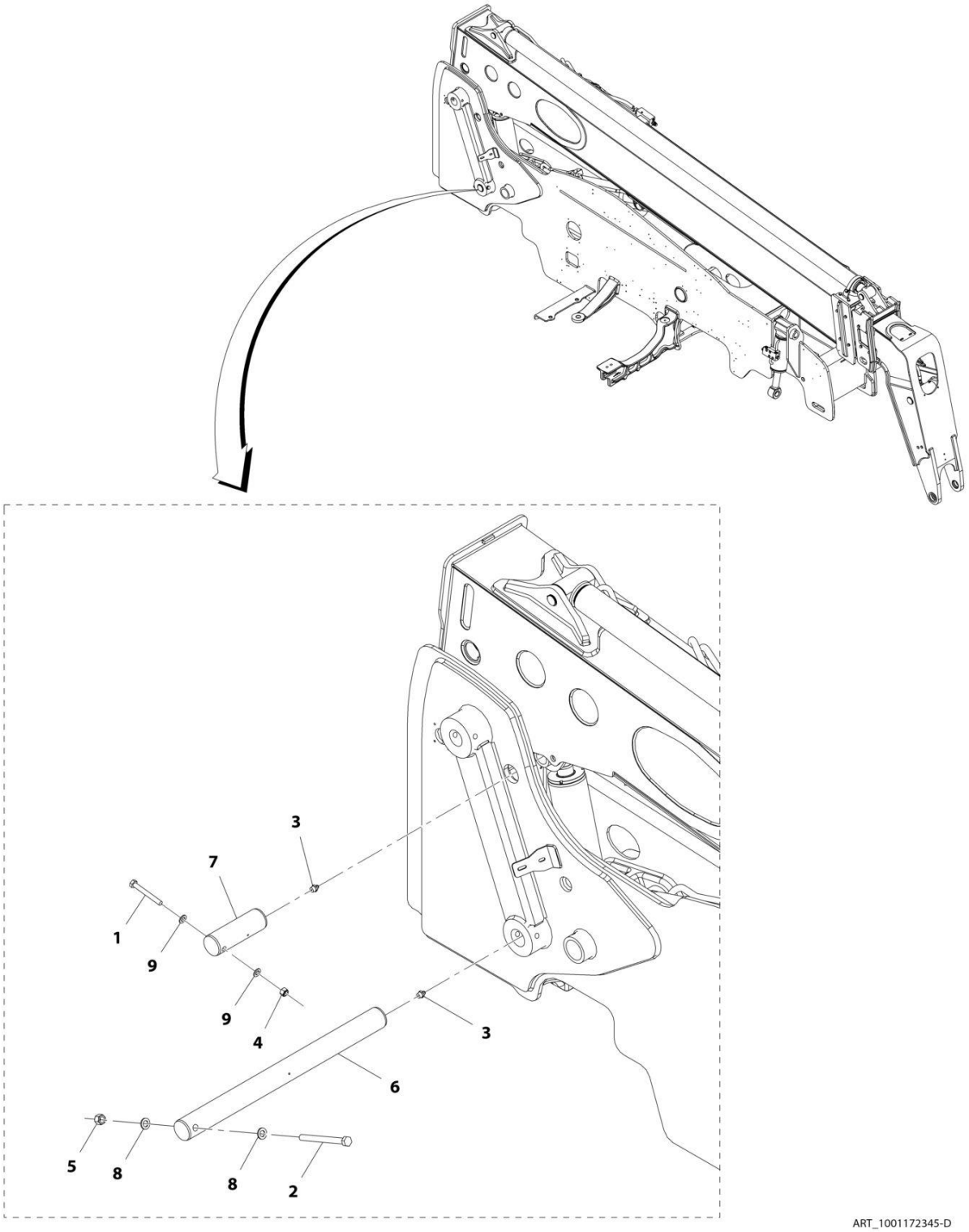


FIGURE 2-13. COMPENSATION CYLINDER PINS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172345	Ref	Compensation Cylinder Pins Installation	D
1	0711229	1	Bolt, M12X120 Grade 10.9	
2	0711635	1	Bolt, M16X180 Grade 10.9	
3	2160016	2	Fitting, Grease	
4	3291205	1	Nut, Lock M12X1.75 Grade 8	
5	3291605	1	Nut, Lock M16X2 Grade 8	
6	1001172352	1	Pin, Cylinder Base	
7	1001172353	1	Pin, Cylinder End	
8	4812300	2	Washer, M16	
9	4812100	2	Washer, M12	

FIGURE 2-14. BOOM PIVOT PIN INSTALLATION

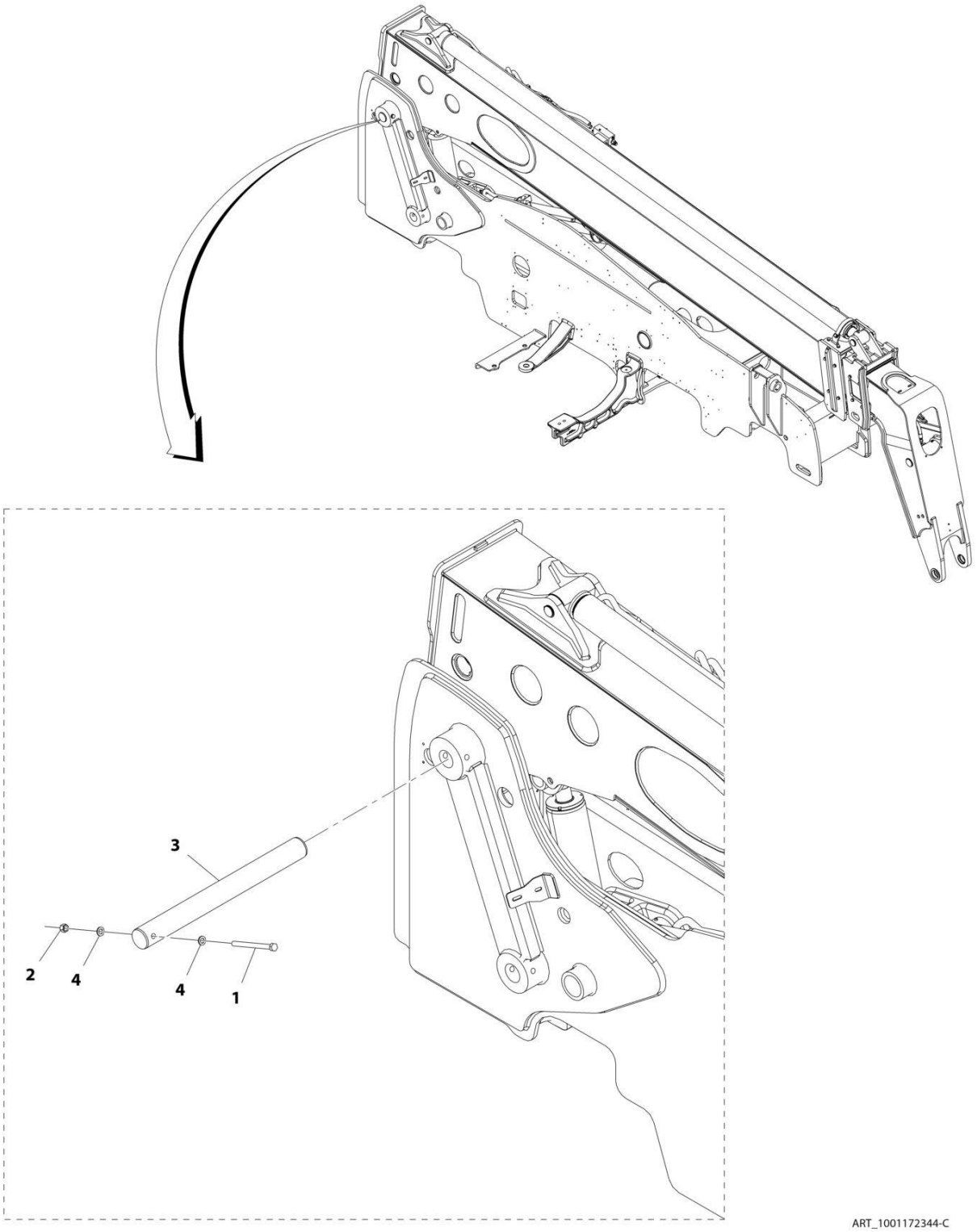


FIGURE 2-14. BOOM PIVOT PIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172344	Ref	Boom Pivot Pin Installation	C
1	1001091951	1	Bolt, M16X200	
2	3291605	1	Nut, Lock M16X2 Grade 8	
3	1001166975	1	Pin	
4	4812300	2	Washer, M16	

FIGURE 2-15. MANUAL QUICK COUPLER INSTALLATION

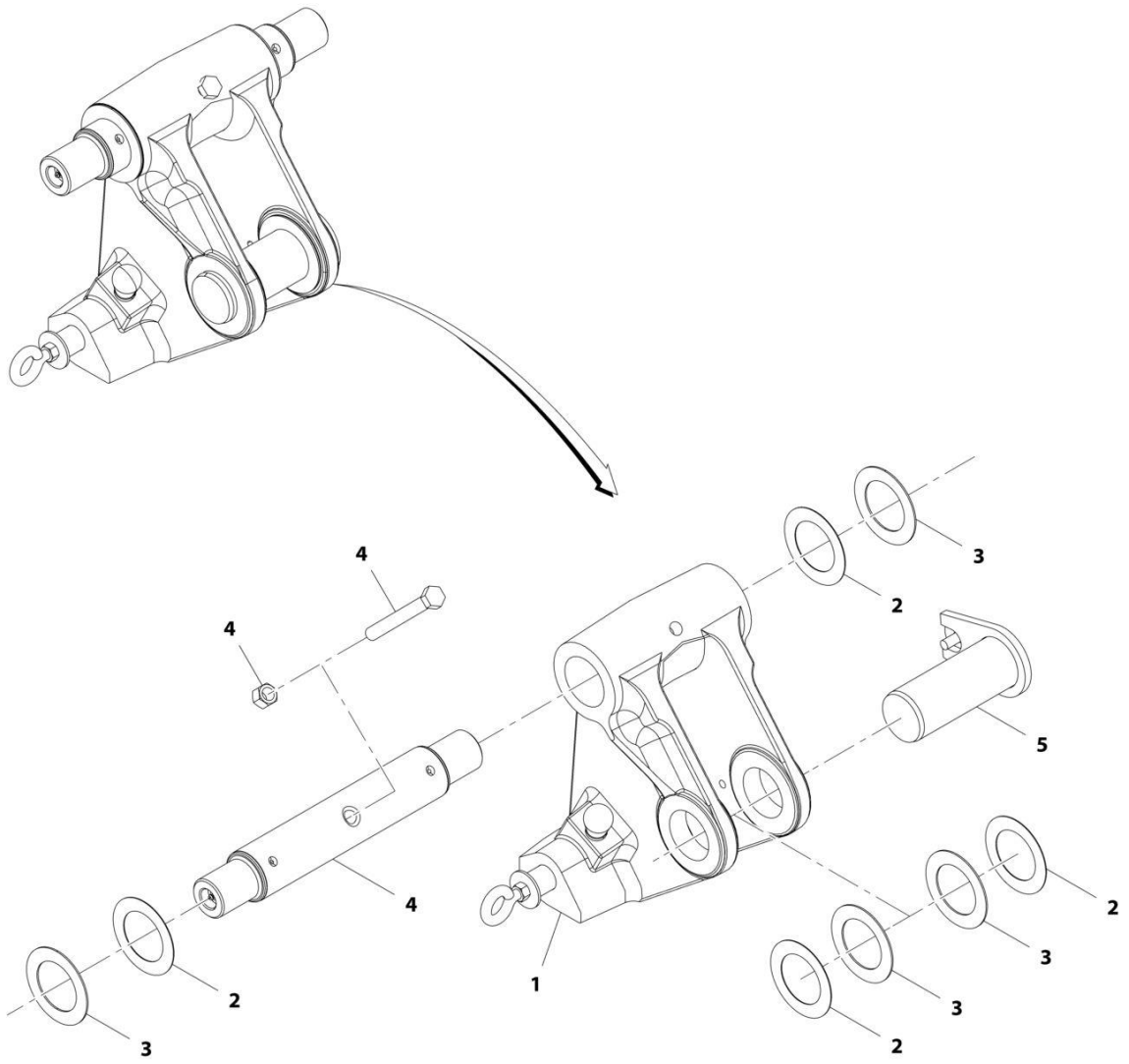


FIGURE 2-15. MANUAL QUICK COUPLER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170628	Ref	Manual Quick Coupler Installation	A
1	1001171764	1	Coupling, Quick Connect (See Separate Breakdown in this Section)	
2	1001164884	AR	Shim	
3	1001164885	AR	Shim	
4	1001167761	Ref	Installation, Boom Pin (See Separate Breakdown in this Section)	
5	1001167762	Ref	Installation, Tilt Cylinder Pin (See Separate Breakdown in this Section)	

FIGURE 2-16. HYDRAULIC QUICK COUPLER INSTALLATION

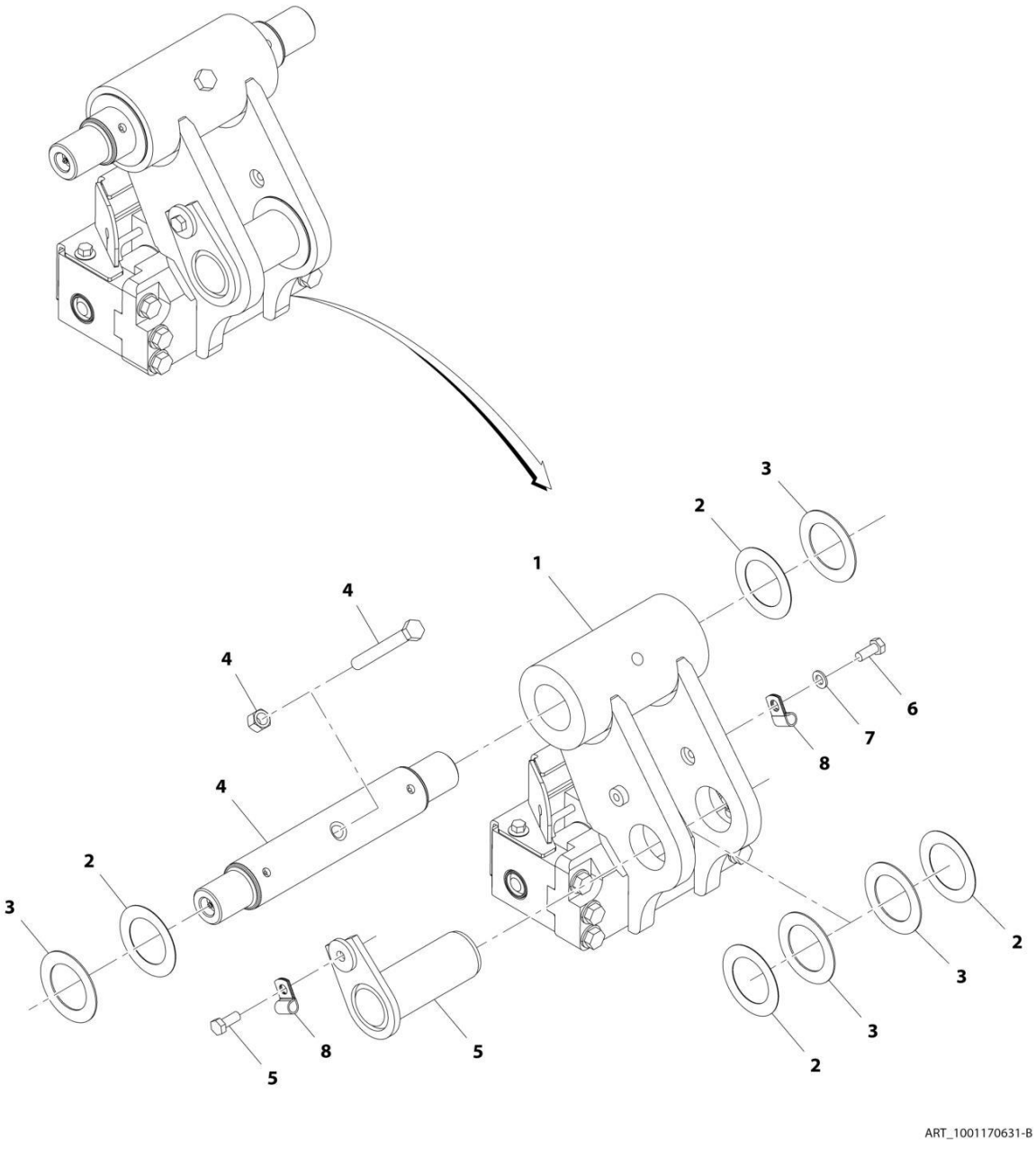


FIGURE 2-16. HYDRAULIC QUICK COUPLER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170631	Ref	Hydraulic Quick Coupler Installation	B
1	1001172134	1	Assembly, Hydraulic Quick Coupler (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
2	1001164884	AR	Shim	
3	1001164885	AR	Shim	
4	1001167761	Ref	Installation, Boom Pin (See Separate Breakdown in this Section)	
5	1001167762	Ref	Installation, Tilt Cylinder Pin (See Separate Breakdown in this Section)	
6	0761214	1	Capscrew, M12X30	
7	4812100	1	Washer, M12	
8	1001080996	2	Clamp	

FIGURE 2-17. BOOM PIN INSTALLATION

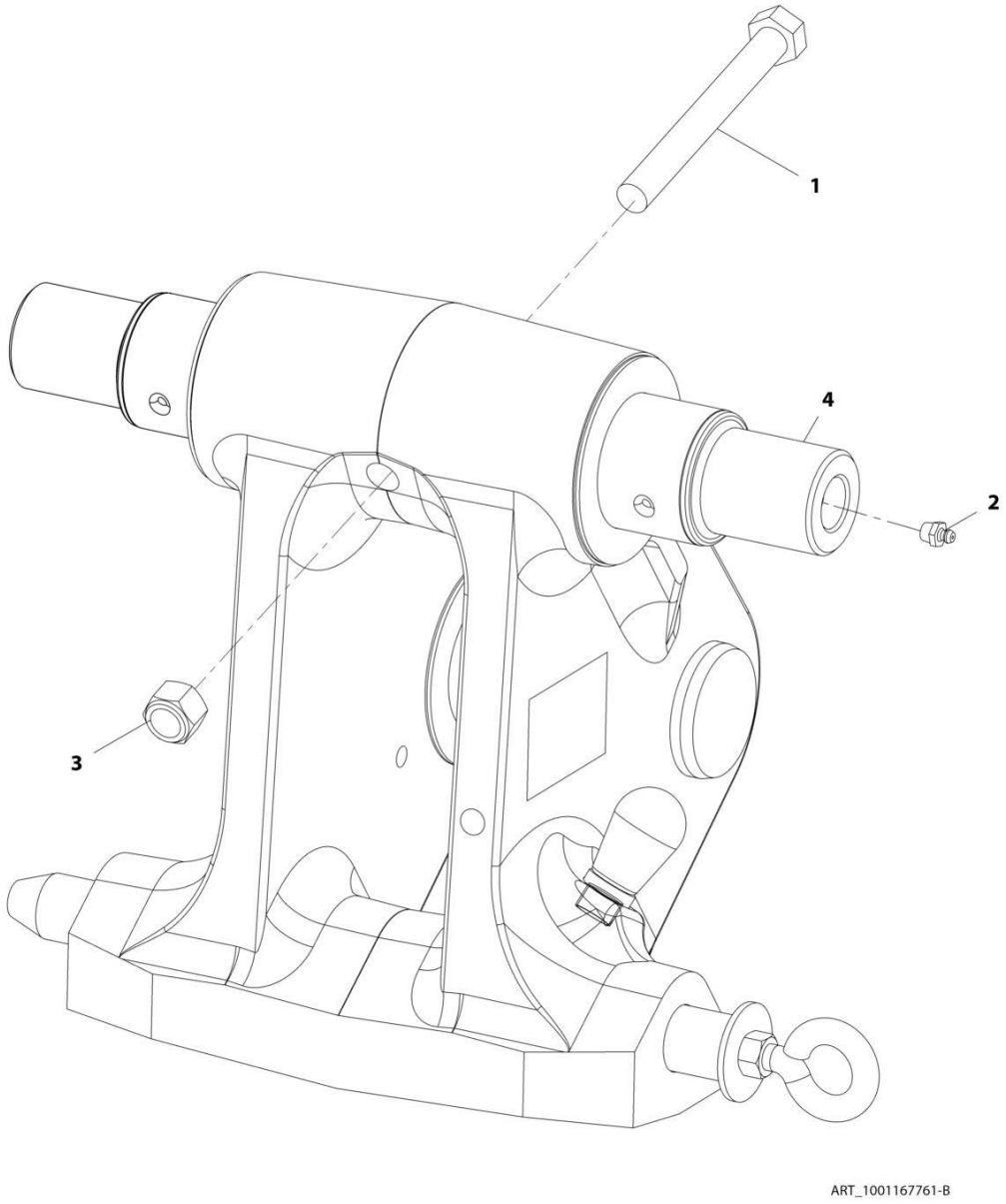


FIGURE 2-17. BOOM PIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167761	Ref	Boom Pin Installation	B
1	0711631	1	Bolt, M16X140	
2	2160016	2	Fitting, Straight	
3	3291605	1	Nut, Lock M16X2	
4	1001164871	1	Pin	

FIGURE 2-18. TILT CYLINDER PIN INSTALLATION

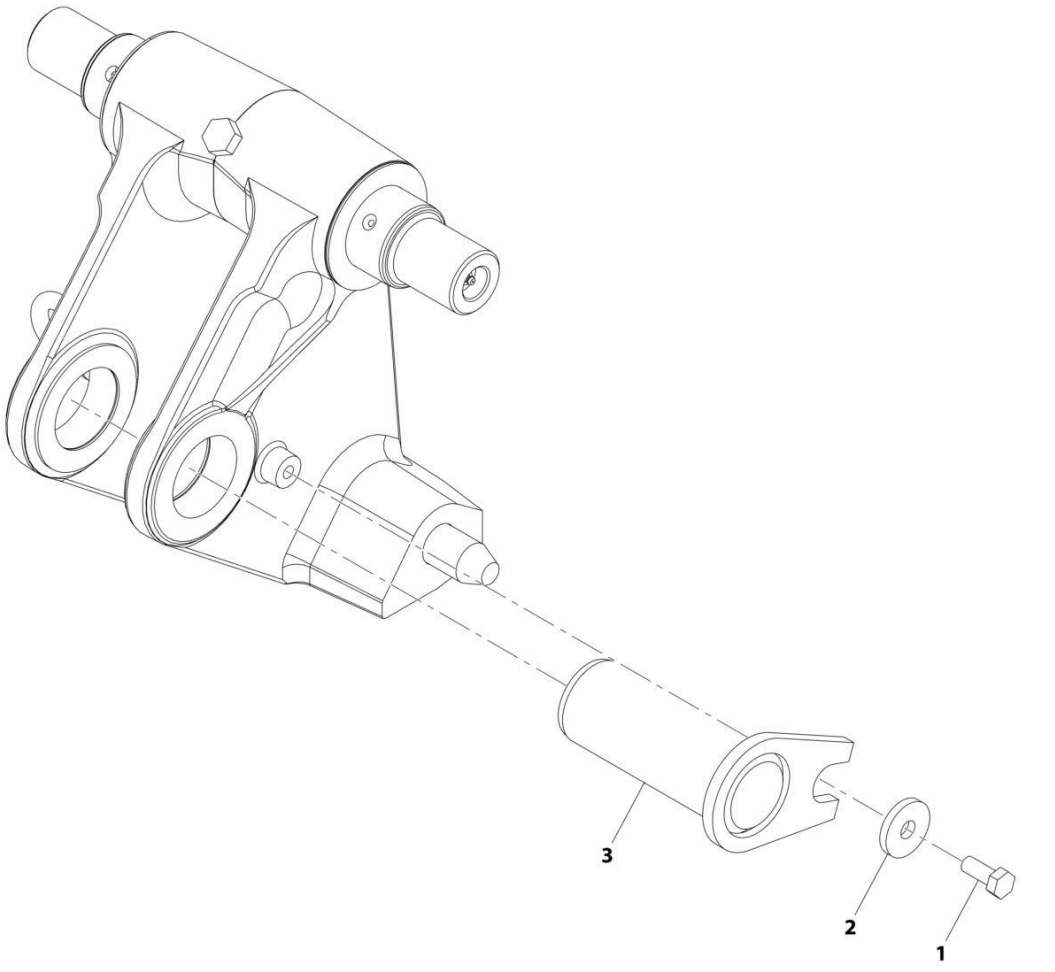


FIGURE 2-18. TILT CYLINDER PIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167762	Ref	Tilt Cylinder Pin Installation	A
1	0761214	1	Bolt, M12X30	
2	4740003	1	Washer	
3	1001164881	1	Pin	

FIGURE 2-19. BOOM ANGLE INDICATOR INSTALLATION

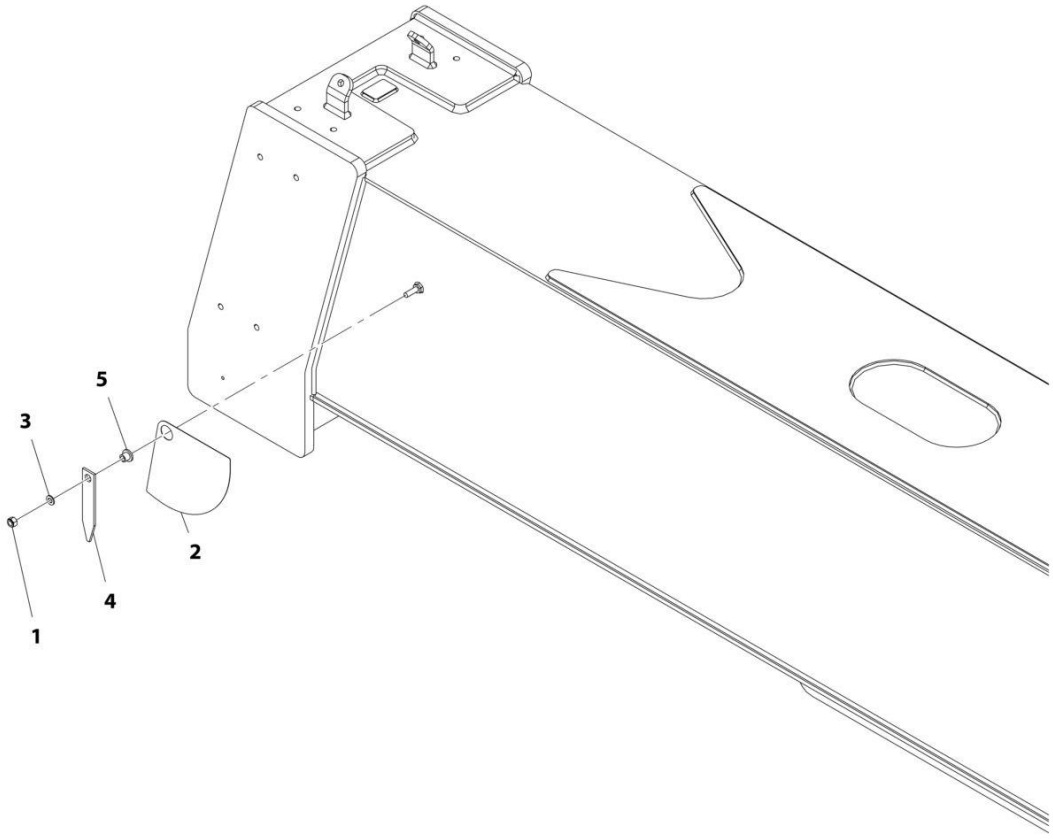


FIGURE 2-19. BOOM ANGLE INDICATOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167806	Ref	Boom Angle Indicator Installation	B
1	3291005	1	Nut, Lock M10X1.5 Grade 8	
2	4105262	1	Decal, Boom Angle Indicator	
3	4812000	1	Washer, M10	
4	1001098769	1	Plate	
5	1001171808	1	Spacer	

FIGURE 2-20. BOOM BRUSHES INSTALLATION

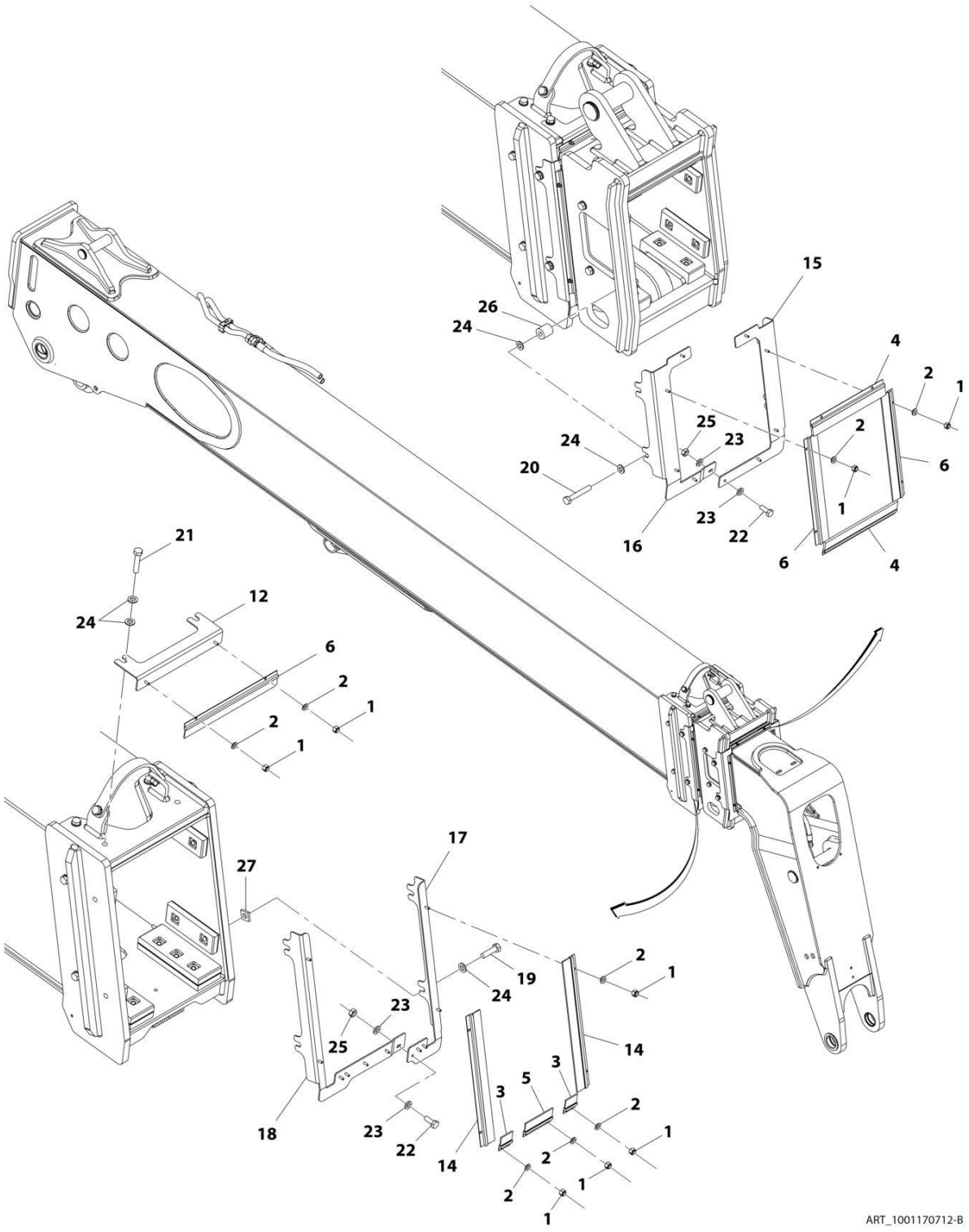


FIGURE 2-20. BOOM BRUSHES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170712	Ref	Boom Brushes Installation	B
1	3290505	20	Nut, Lock M5X0.8 Grade 8	
2	4811600	20	Washer, M5	
3	1001172994	2	Brush, Boom	
4	1001172995	2	Brush, Boom	
5	1001172996	1	Brush, Boom	
6	1001172997	3	Brush, Boom	
12	1001175683	1	Bracket, Boom Brush	
14	1001173739	2	Brush, Boom	
15	1001193578	1	Bracket, Boom Brush	
16	1001193579	1	Bracket, Boom Brush	
17	1001194785	1	Bracket, Boom Brush	
18	1001194787	1	Bracket, Boom Brush	
19	0701217	4	Bolt, M12X45	
20	0701224	4	Bolt, M12X80	
21	0711220	2	Bolt, M12-1.75X60 Grade 10.9	
22	0760608	2	Bolt, M6X16	
23	4811700	4	Washer, M6	
24	1001125117	16	Washer, M12	
25	3290601	2	Nut, M6X1	
26	1001193577	4	Spacer	
27	1001194789	4	Plate	

FIGURE 2-21. QUICK SWITCH COUPLING ASSEMBLY (MANUAL)

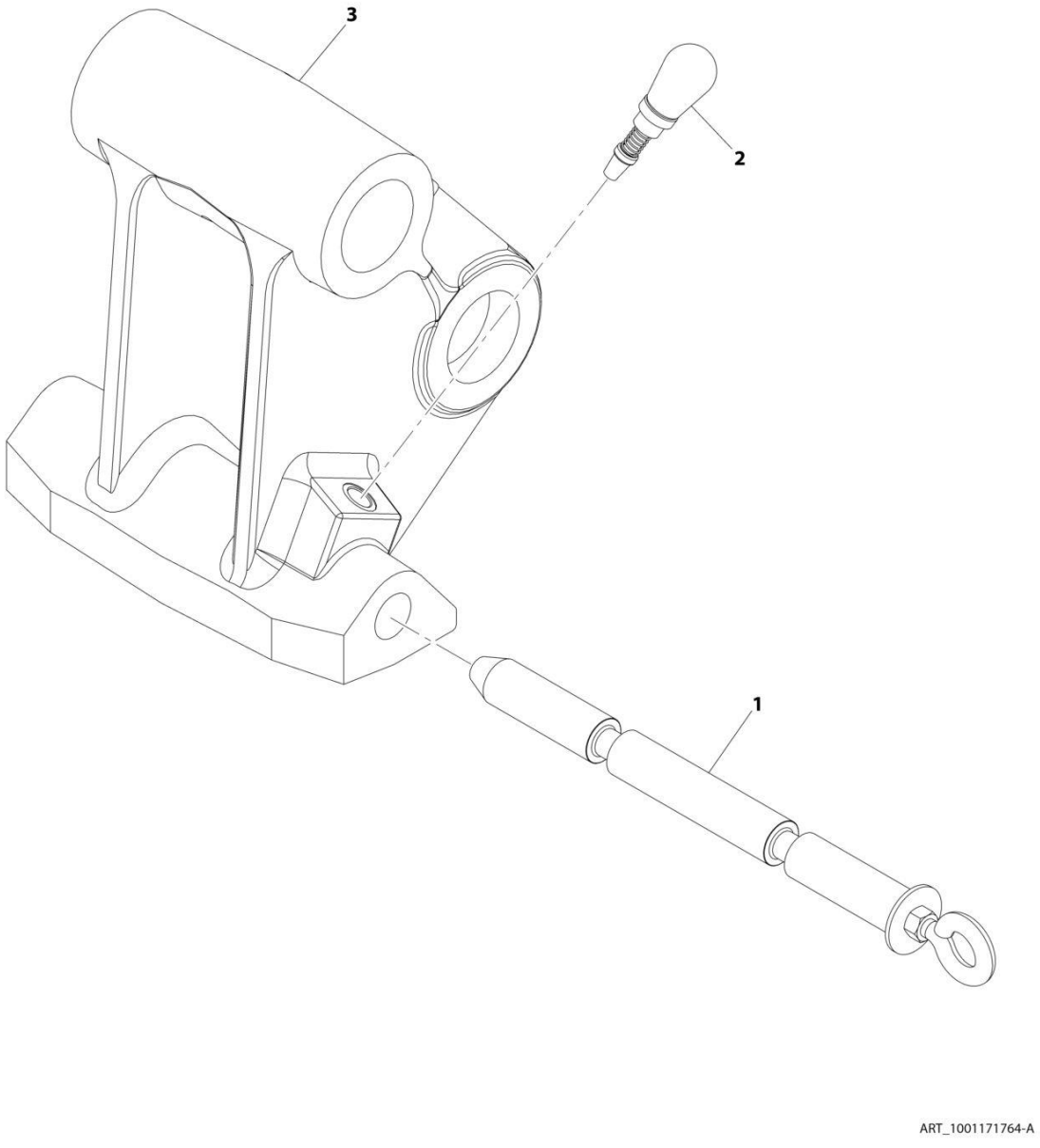


FIGURE 2-21. QUICK SWITCH COUPLING ASSEMBLY (MANUAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171764	Ref	Quick Coupler Assembly	A
1	1001105441	1	Pin	
2	1001143692	1	Pin, Poppin	
3	1001164567	1	Coupling, Quick Connect	

SECTION 3 - ATTACHMENTS

FIGURE 3-1. BASKET, PERSONNEL - 4FT X 8FT (ASME)

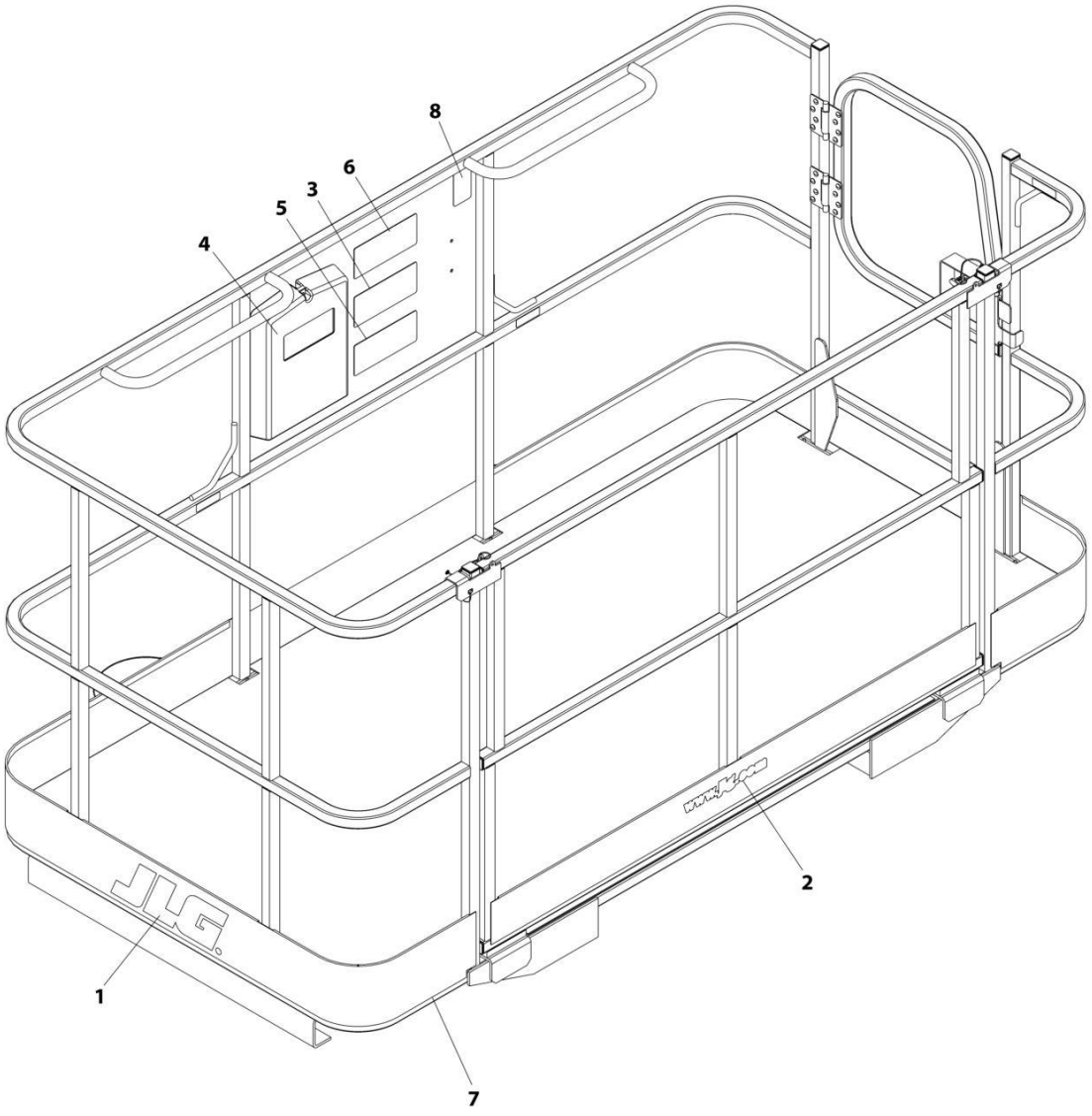


FIGURE 3-1. BASKET, PERSONNEL - 4FT X 8FT (ASME)

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

FIGURE 3-2. BASKET, PERSONNEL - 4FT X 8FT (DOMESTIC)

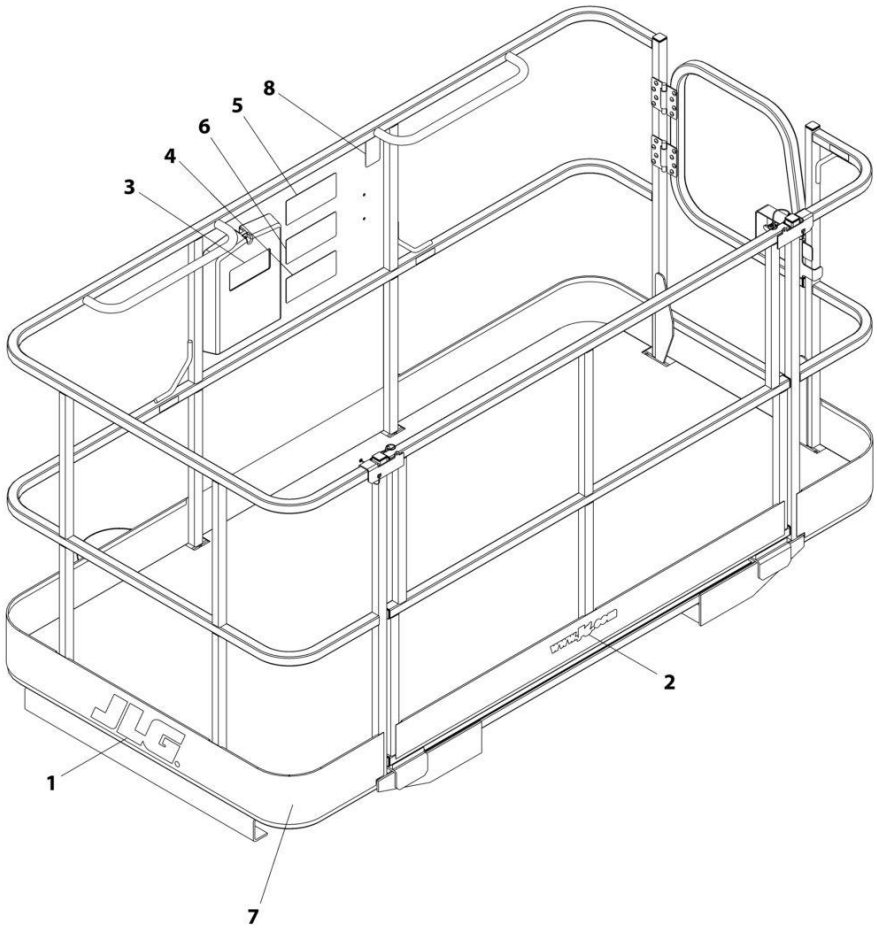


FIGURE 3-2. BASKET, PERSONNEL - 4FT X 8FT (DOMESTIC)

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

FIGURE 3-3. BASKET, PERSONNEL - 4FT X 8FT (ISO)

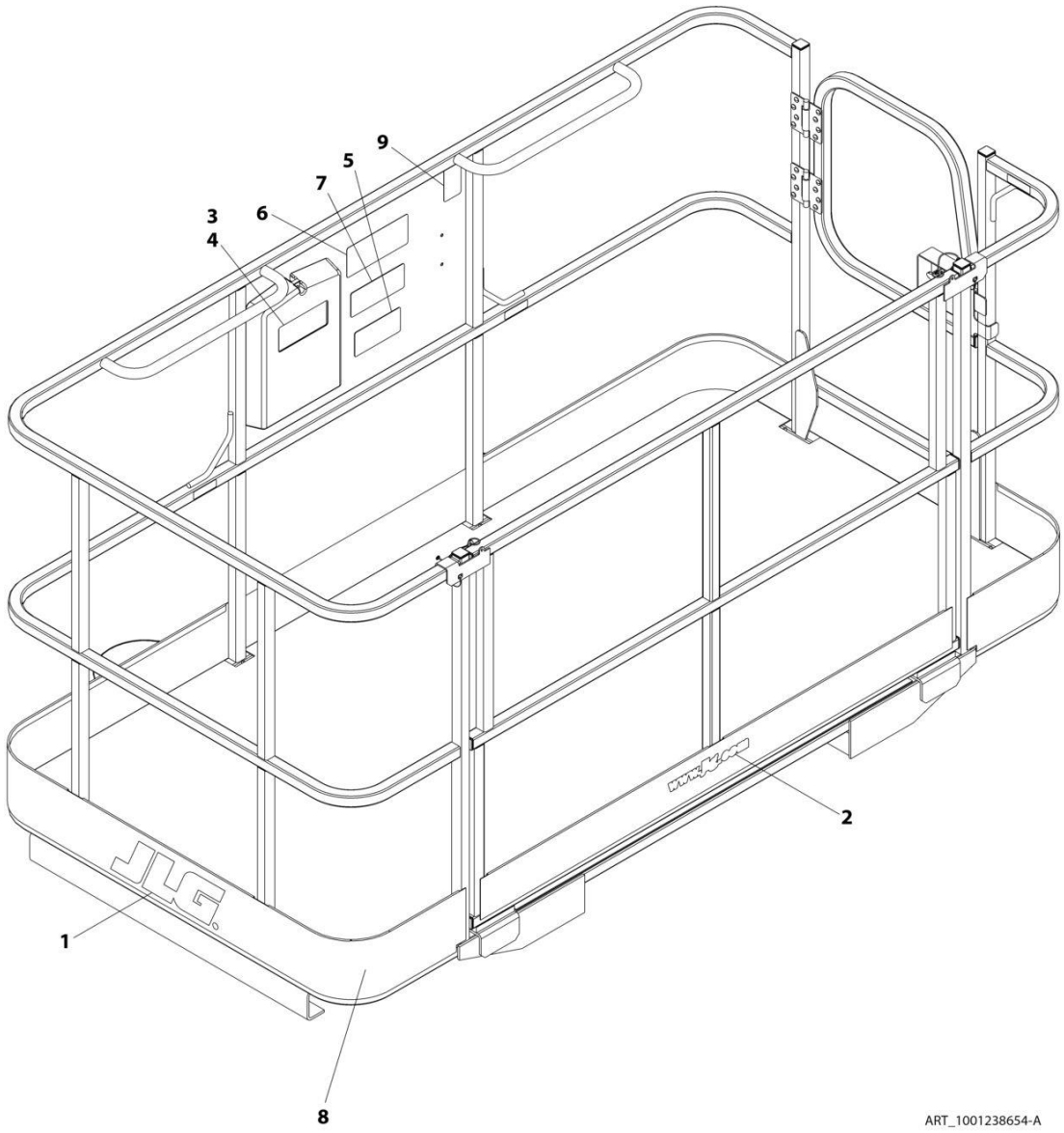


FIGURE 3-3. BASKET, PERSONNEL - 4FT X 8FT (ISO)

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

FIGURE 3-4. BASKET, FORK MOUNTED

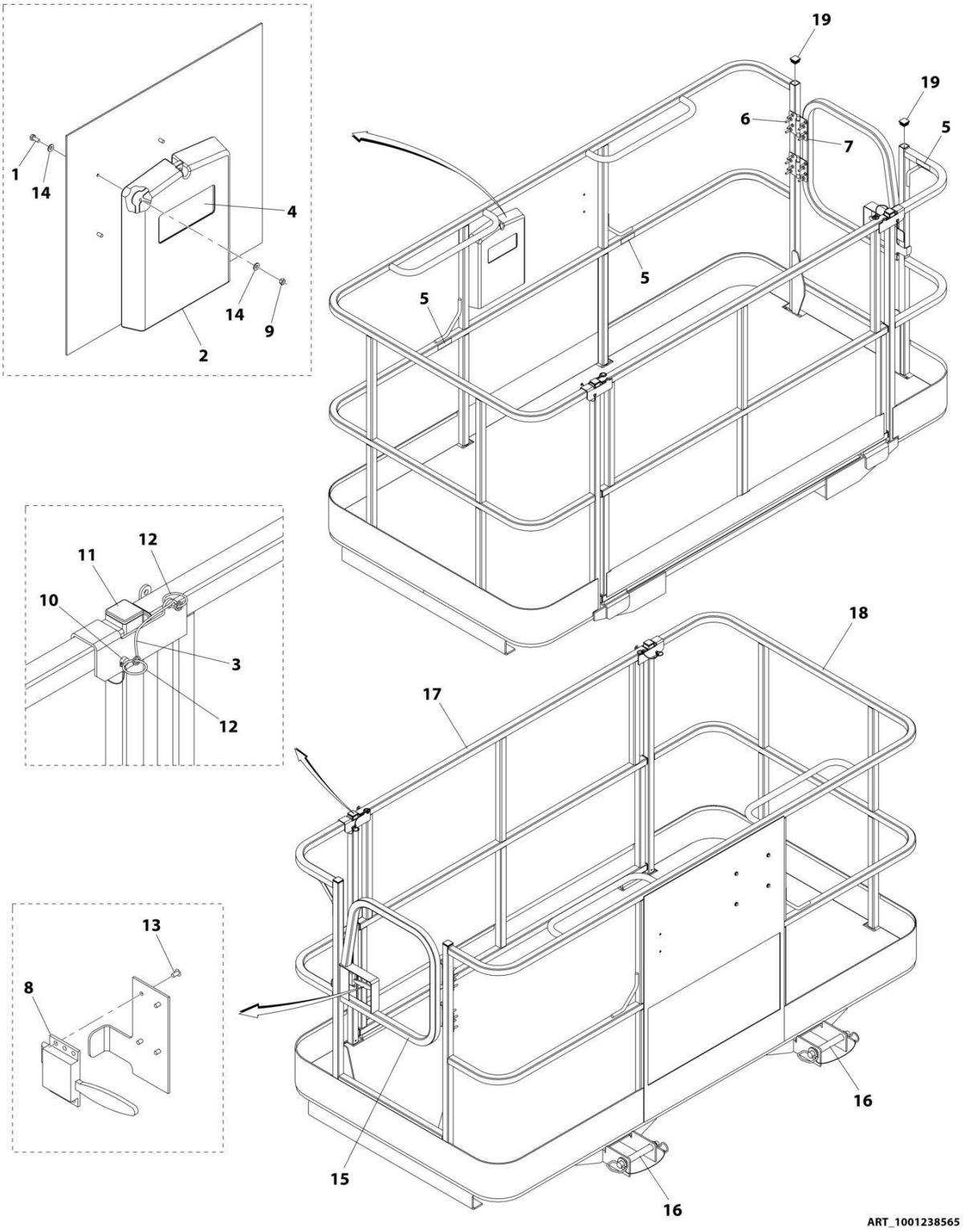


FIGURE 3-4. BASKET, FORK MOUNTED

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

FIGURE 3-5. BOOM - ADJUSTABLE (CARRIAGE MOUNTED)

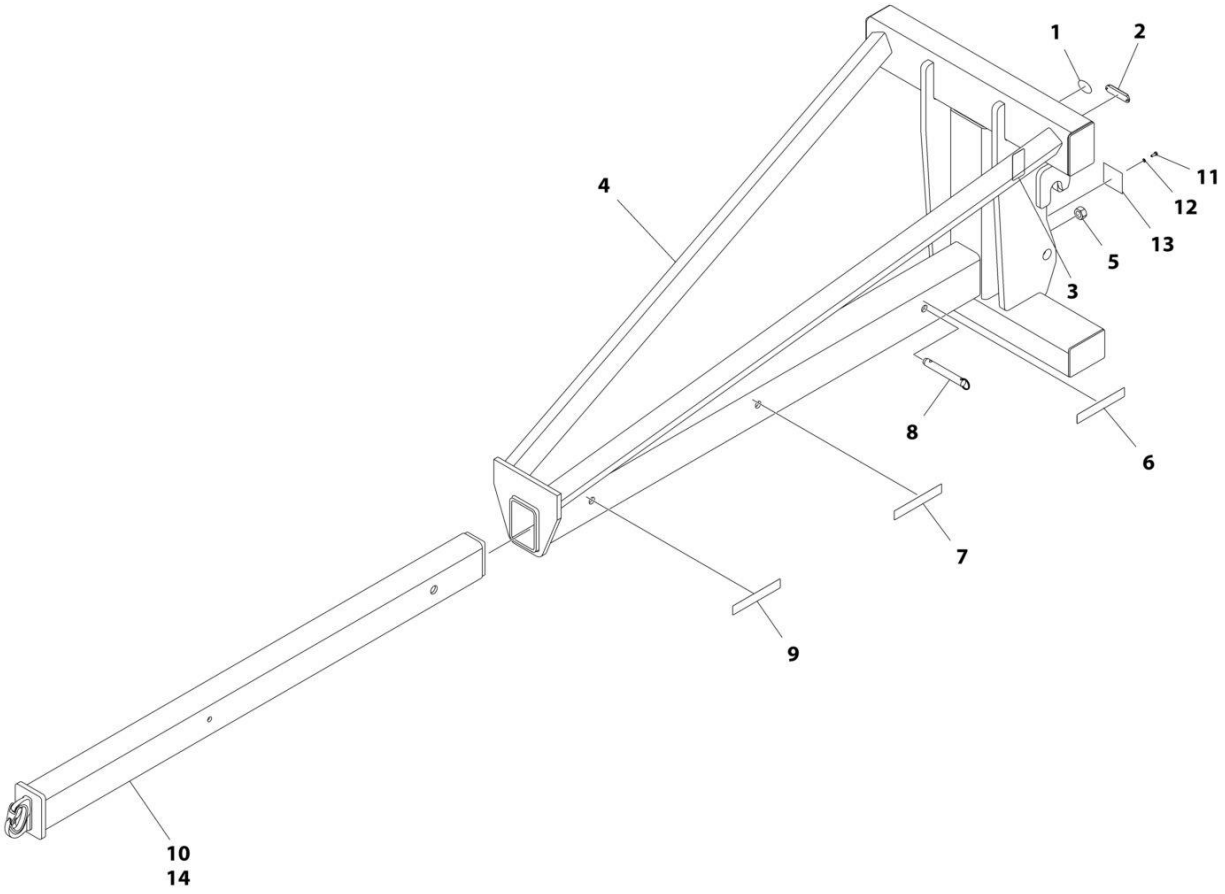


FIGURE 3-5. BOOM - ADJUSTABLE (CARRIAGE MOUNTED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176515	Ref	ADJUSTABLE TRUSS BOOM	E
1	90554016	1	Decal, Made in USA	
2	1001227670	1	Tag, RFID	
3	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
4	See Note	NSS	Truss Boom, Adjustable (Note: Purchase Complete Assembly)	
5	70021440	1	Nut, Lock	
6	70024062	2	Decal, 4000 lbs cap	
7	70026944	2	Decal, 3000 lbs cap	
8	70026946	1	Pin	
9	70026699	2	Decal, 2000 lbs cap	
10	70026747	1	Seal	
11	90554033	1	Bolt 3/4 x 1/4	
12	90554034	1	Washer 1/4	
13	70026948	1	Plate, Stop	
14	70026949	1	Boom, Telescopic	

FIGURE 3-6. BOOM - ADJUSTABLE (FORK MOUNTED)

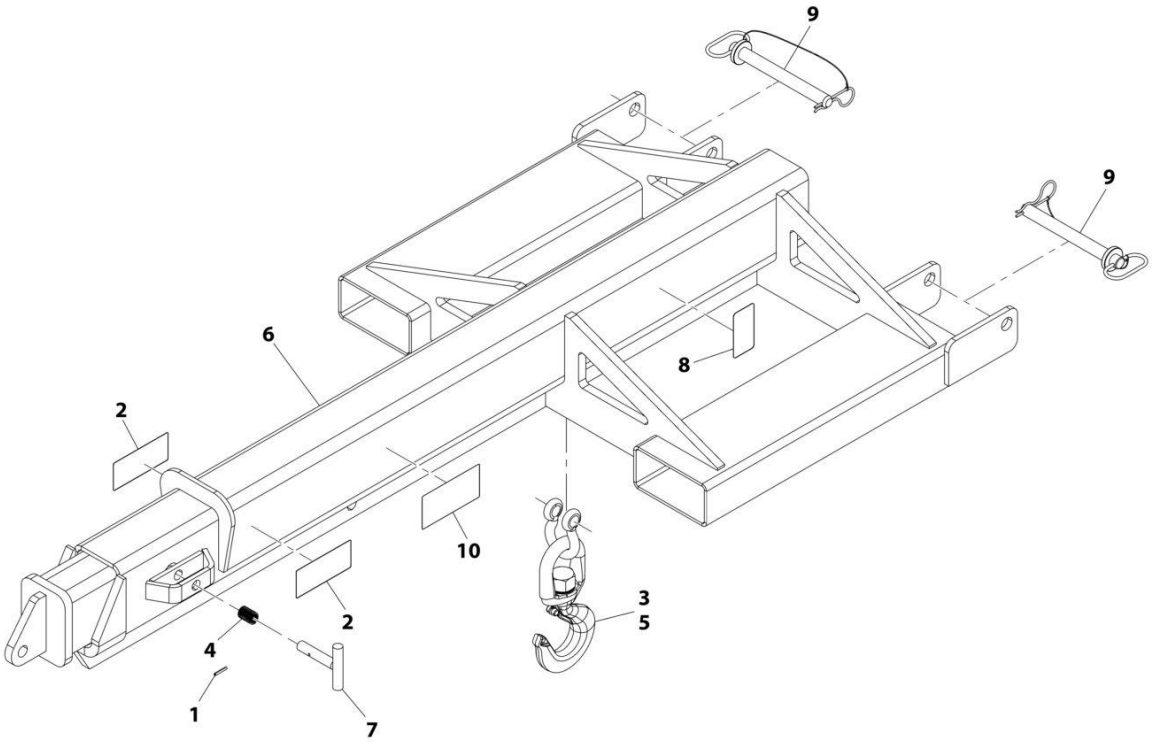


FIGURE 3-6. BOOM - ADJUSTABLE (FORK MOUNTED)

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

FIGURE 3-7. BOOM - 3FT WITH WINCH

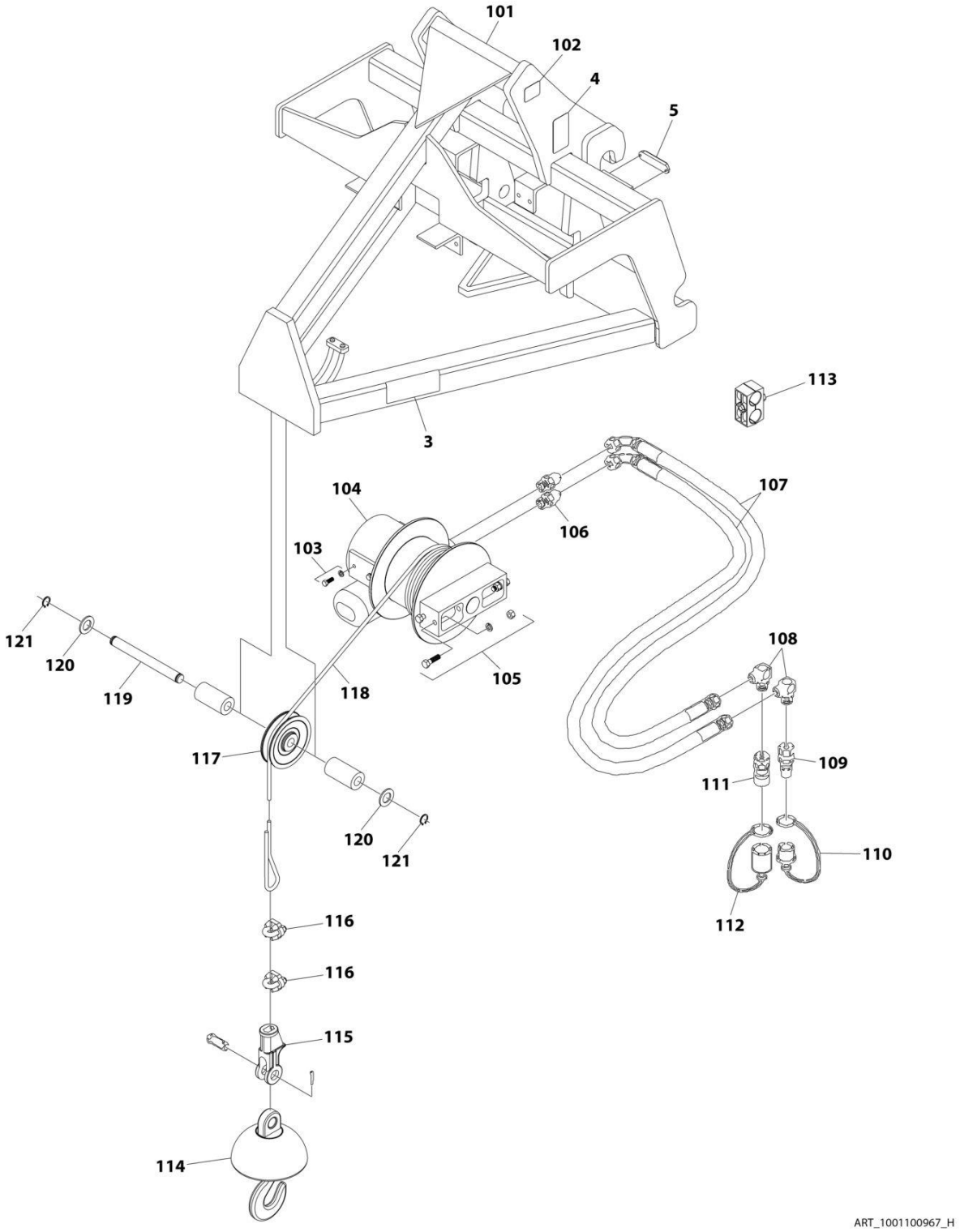


FIGURE 3-7. BOOM - 3FT WITH WINCH

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

FIGURE 3-8. BOOM - 12FT WITH WINCH

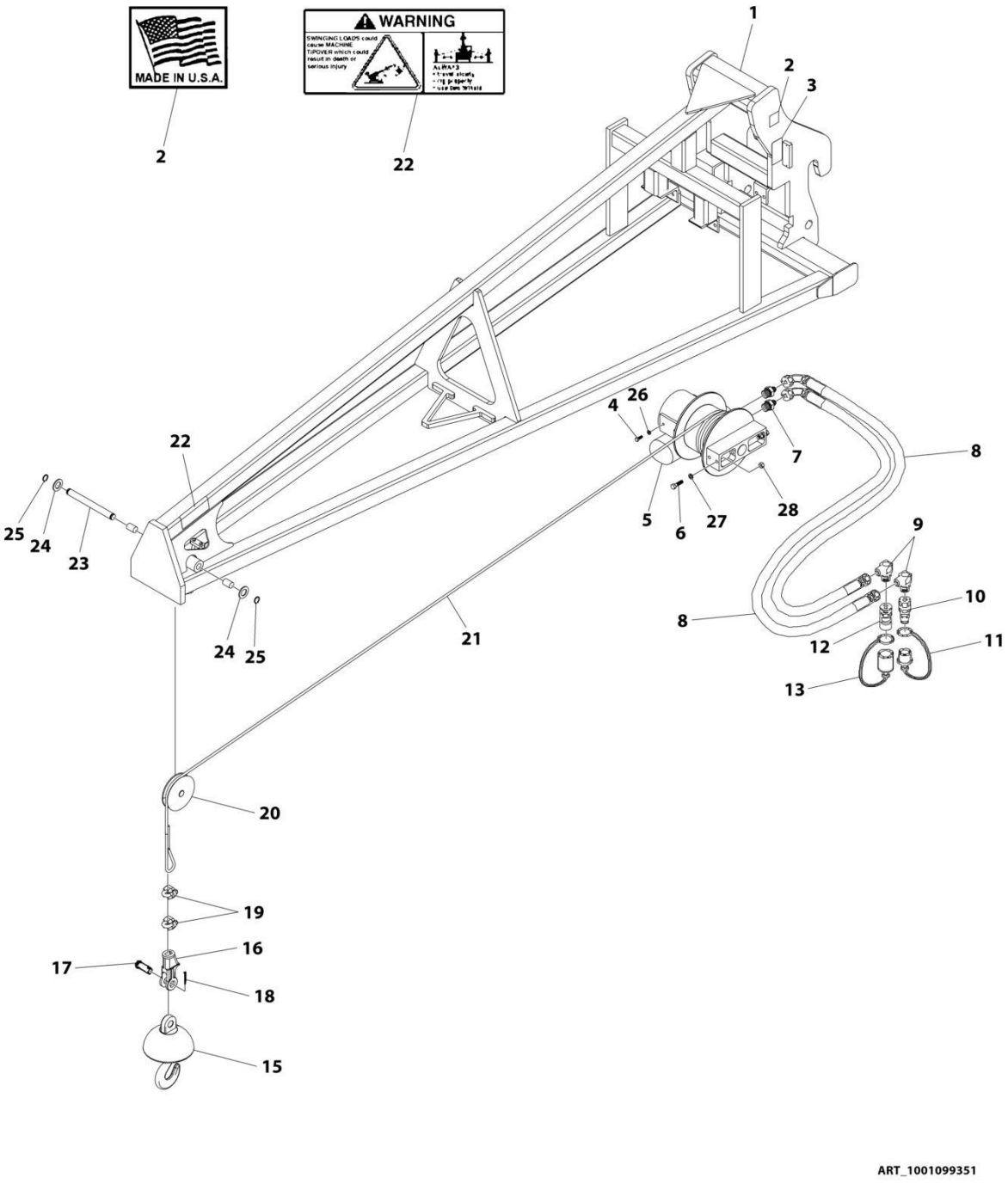


FIGURE 3-8. BOOM - 12FT WITH WINCH

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

FIGURE 3-9. BOOM - 12FT WITHOUT WINCH (Prior to SN 0160116766)

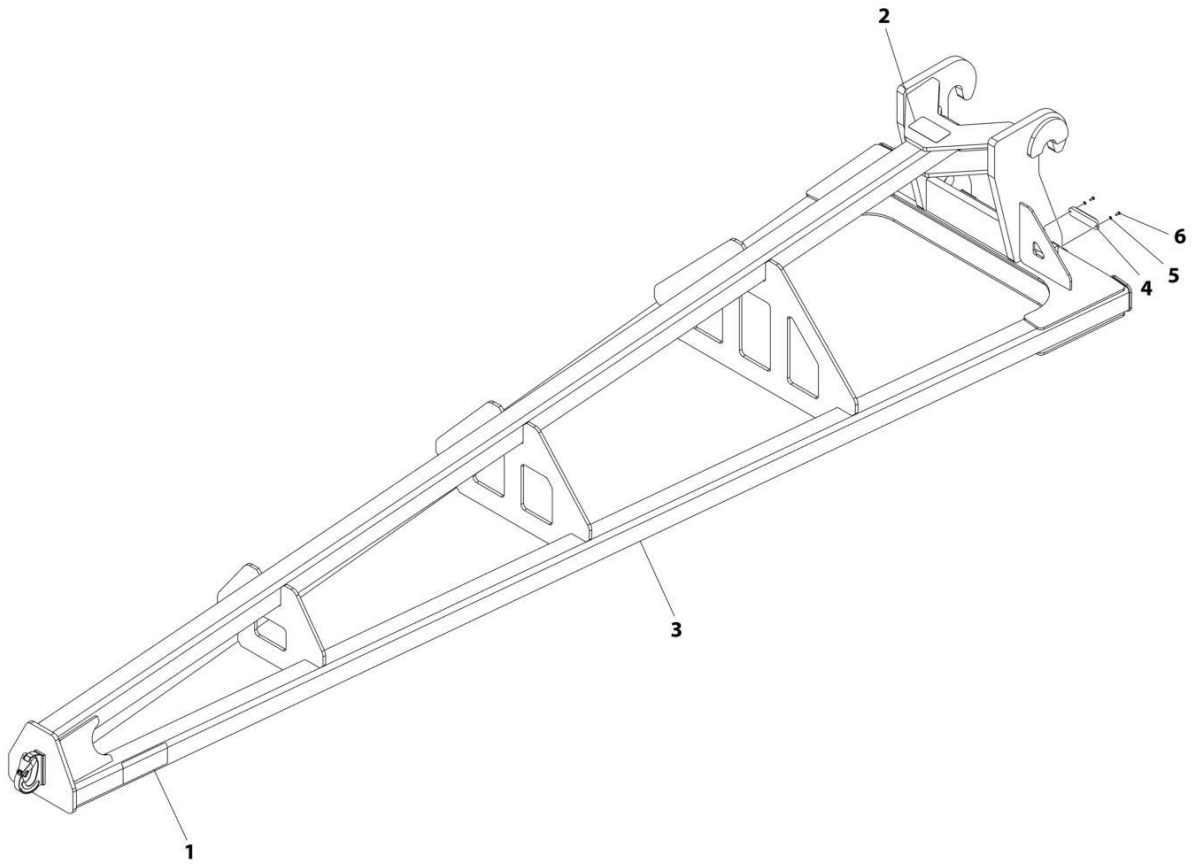


FIGURE 3-9. BOOM - 12FT WITHOUT WINCH (Prior to SN 0160116766)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099902	Ref	TRUSS BOOM (0.9 TON - 3.7M)	H
1	4110422	2	Decal, Danger Swinging Loads	
2	See Note	NSS	SN Plate (Note:Stamped Part - Not Available for Purchase)	
3	See Note	NSS	Boom, Truss (Note: Purchase Complete Assembly)	
4	1001227670	1	Tag, RFID	
5	4811400	2	Washer M4	
6	0760405	2	Bolt M4 x 10	

FIGURE 3-10. BOOM - 15FT WITHOUT WINCH (Prior to SN 0160115844)

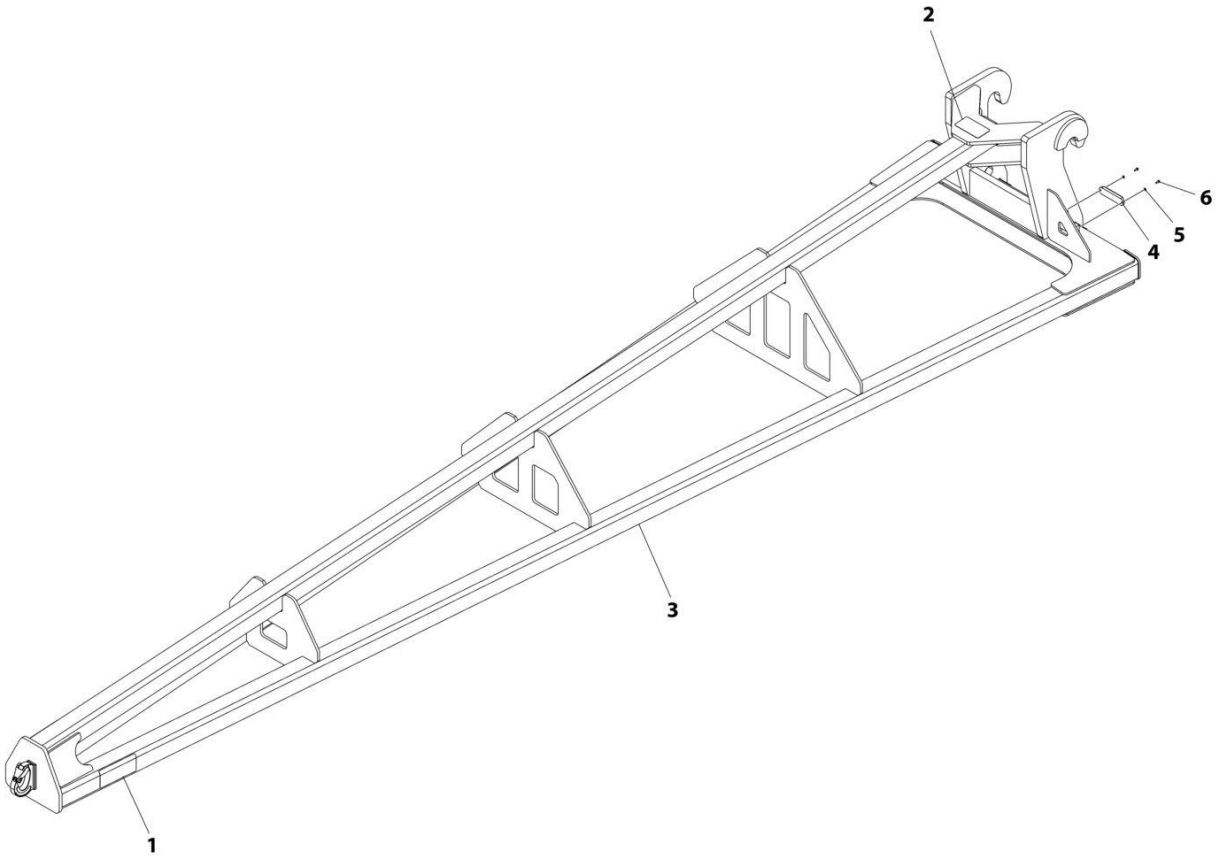


FIGURE 3-10. BOOM - 15FT WITHOUT WINCH (Prior to SN 0160115844)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099901	Ref	TRUSS BOOM (15 FOOT)	H
1	4110422	2	Decal, Danger Swinging Loads	
2	See Note	NSS	SN Plate (Note:Stamped Part - Not Available for Purchase)	
3	See Note	NSS	Boom, Truss (Note: Purchase Complete Assembly)	
4	1001227670	1	Tag, RFID	
5	4811400	2	Washer M4	
6	0760405	2	Bolt M4 x 10	

FIGURE 3-11. BOOM - 12FT WITHOUT WINCH (SN 0160116766 to Present)

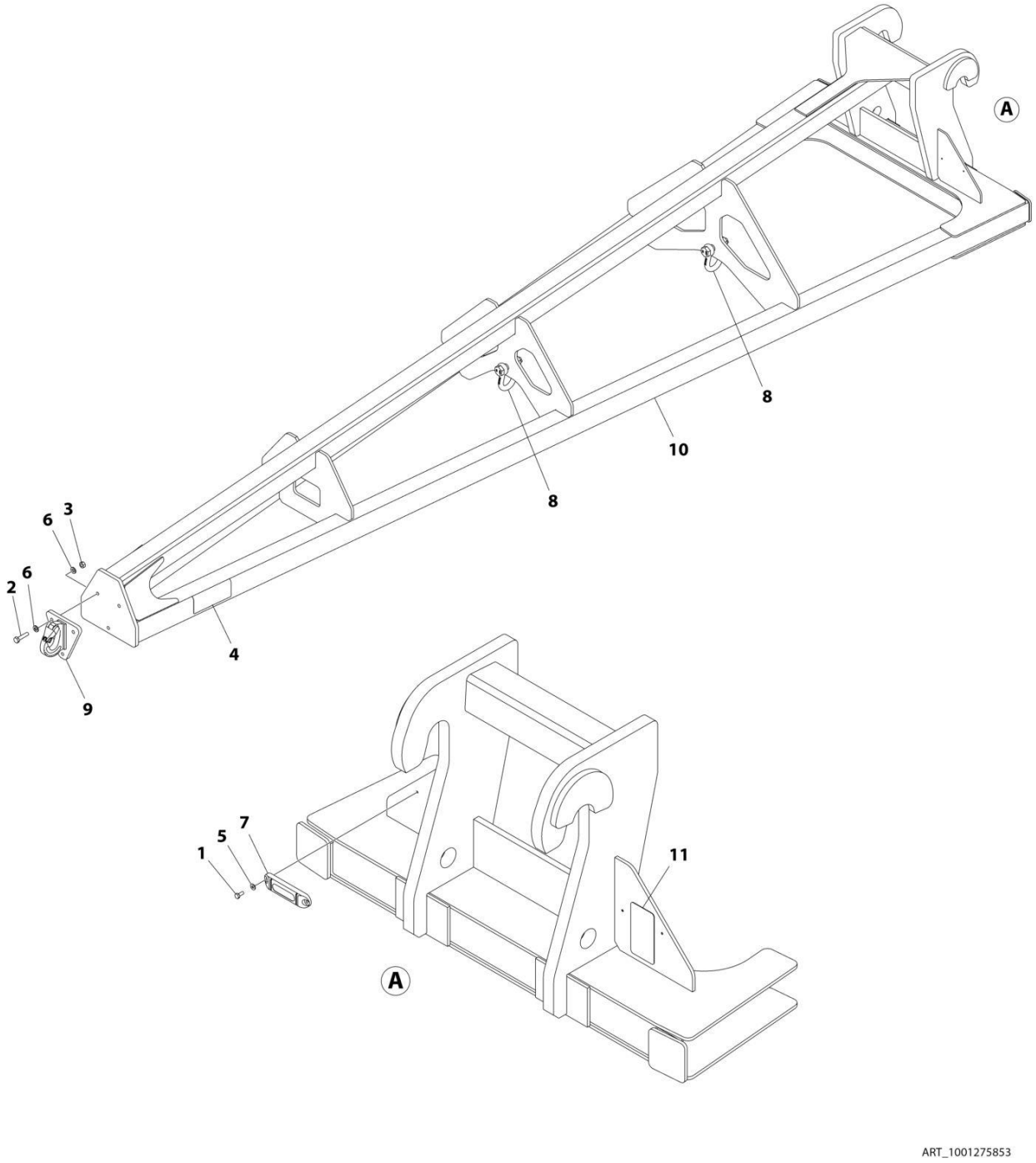


FIGURE 3-11. BOOM - 12FT WITHOUT WINCH (SN 0160116766 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275853	Ref	BOOM - 12FT WITHOUT WINCH	D
1	0760405	2	Bolt M4 x 10	
2	0761017	3	Bolt M10 x 45	
3	3291007	3	Nut M10	
4	4110422	2	Decal, Danger Swinging Loads	
5	4811400	2	Washer M4	
6	5241000	6	Washer M10	
7	1001227670	1	Tag, RFID	
8	1001287742	2	Clevis	
9	1001275841	1	Hook	
10	See Note	NSS	Boom, Truss (Note: Purchase Complete Assembly)	
11	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	

FIGURE 3-12. BOOM - 15FT WITHOUT WINCH (SN 0160116766 to Present)

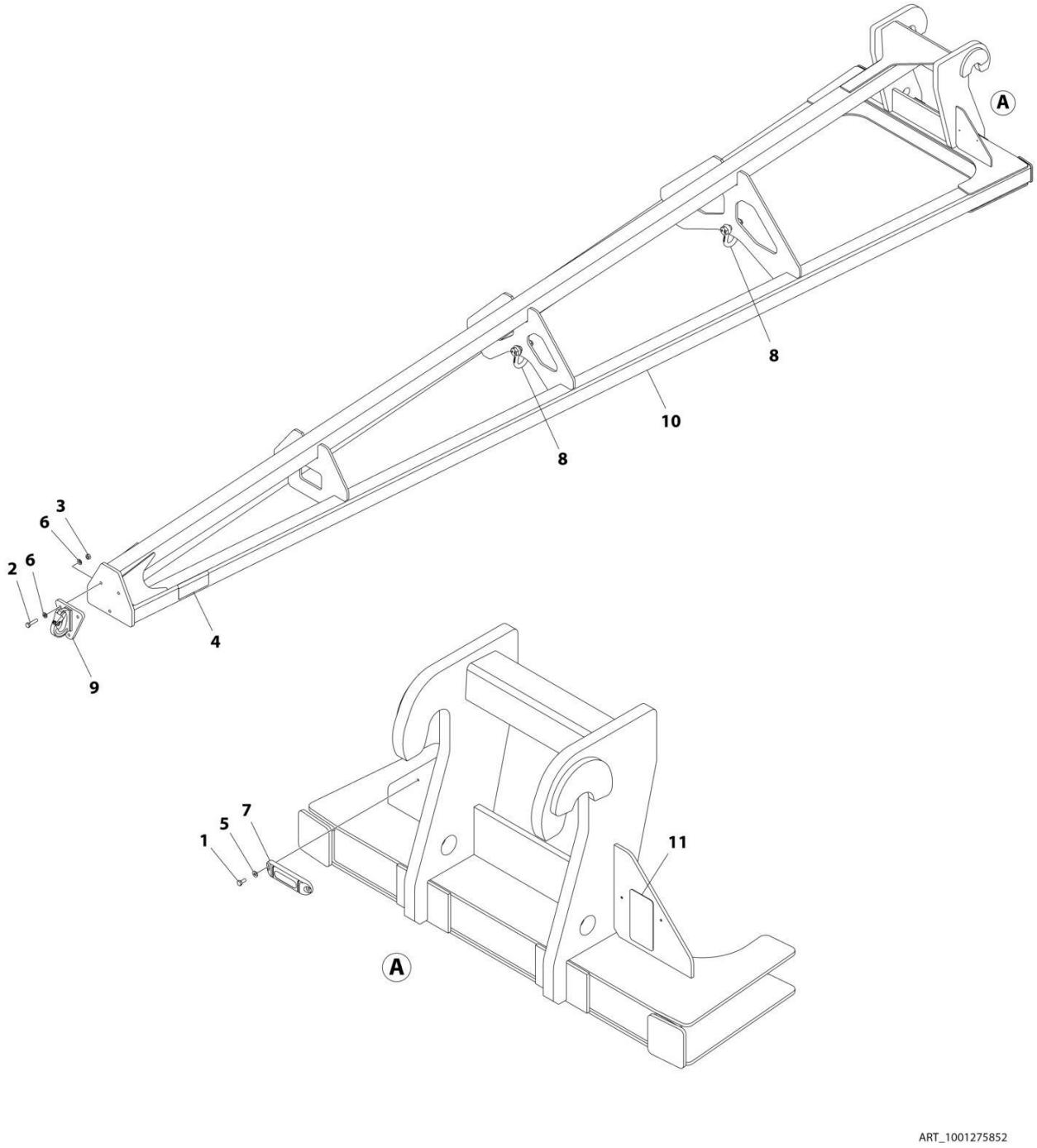


FIGURE 3-12. BOOM - 15FT WITHOUT WINCH (SN 0160116766 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275852	Ref	BOOM - 15FT WITHOUT WINCH	D
1	0760405	2	Bolt M4 x 10	
2	0761017	3	Bolt M10 x 45	
3	3291007	3	Nut M10	
4	4110422	2	Decal, Danger Swinging Loads	
5	4811400	2	Washer M4	
6	5241000	6	Washer M10	
7	1001227670	1	Tag, RFID	
8	1001287742	2	Clevis	
9	1001275841	1	Hook	
10	See Note	NSS	Boom, Truss (Note: Purchase Complete Assembly)	
11	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	

FIGURE 3-13. BUCKET - 60IN (1.3 CU YD) (FORK MOUNTED)

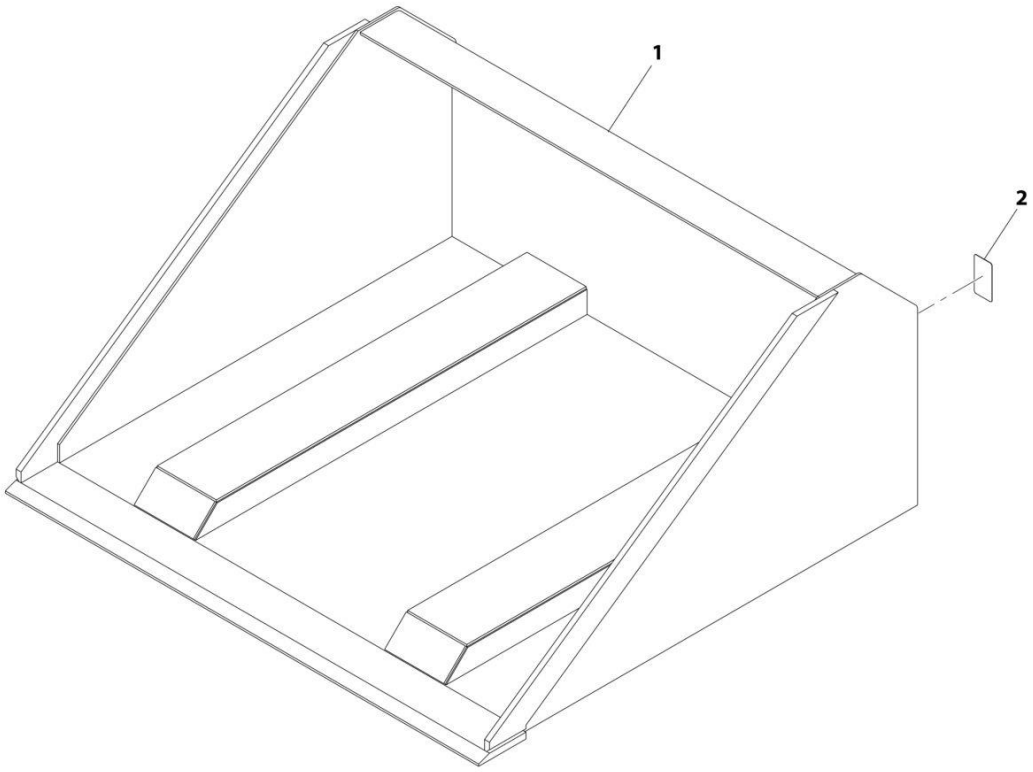


FIGURE 3-13. BUCKET - 60IN (1.3 CU YD) (FORK MOUNTED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001195970	Ref	Bucket 1.0 m³ (Fork Mounted)	E
2	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	

FIGURE 3-14. BUCKET - 72IN (1.0 CU YD)

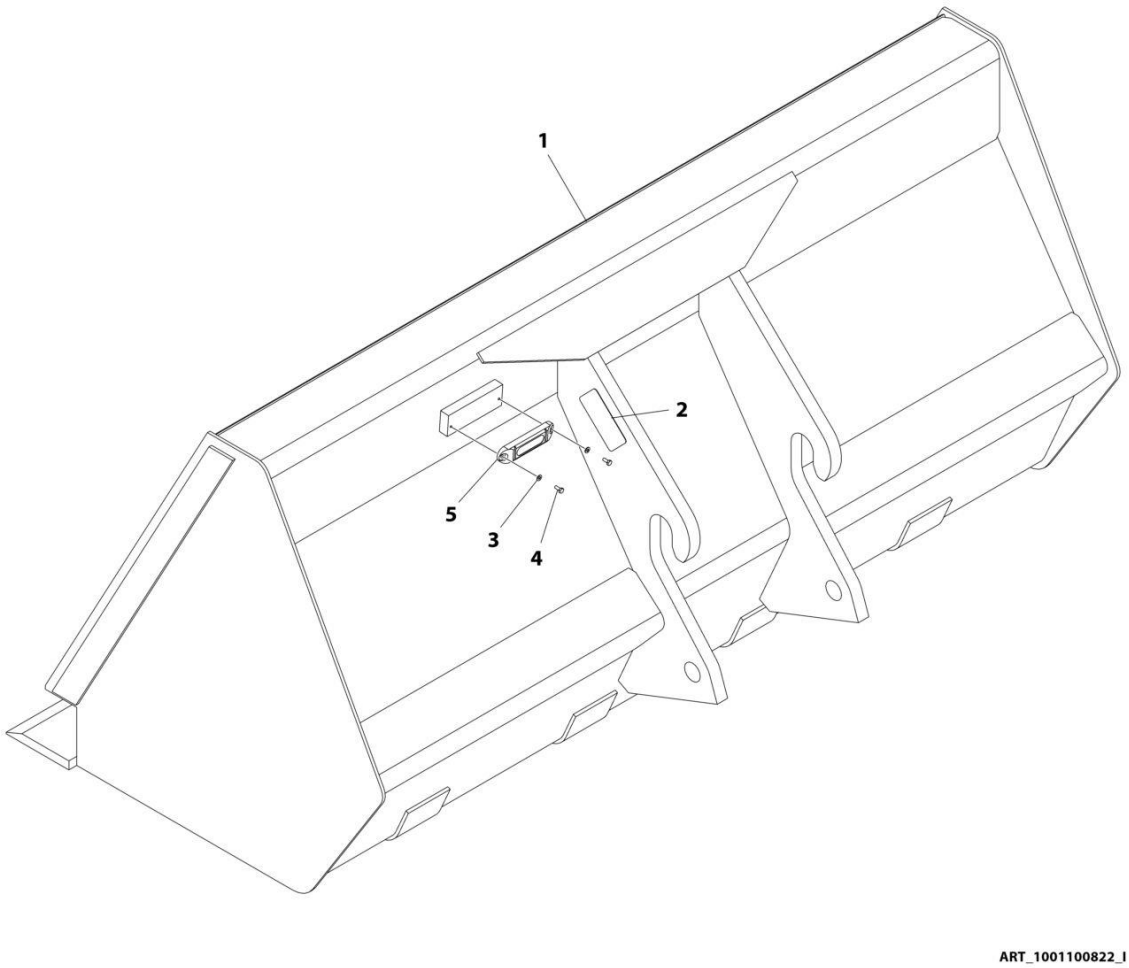


FIGURE 3-14. BUCKET - 72IN (1.0 CU YD)

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

FIGURE 3-15. BUCKET - 96IN (1.5 CU YD)

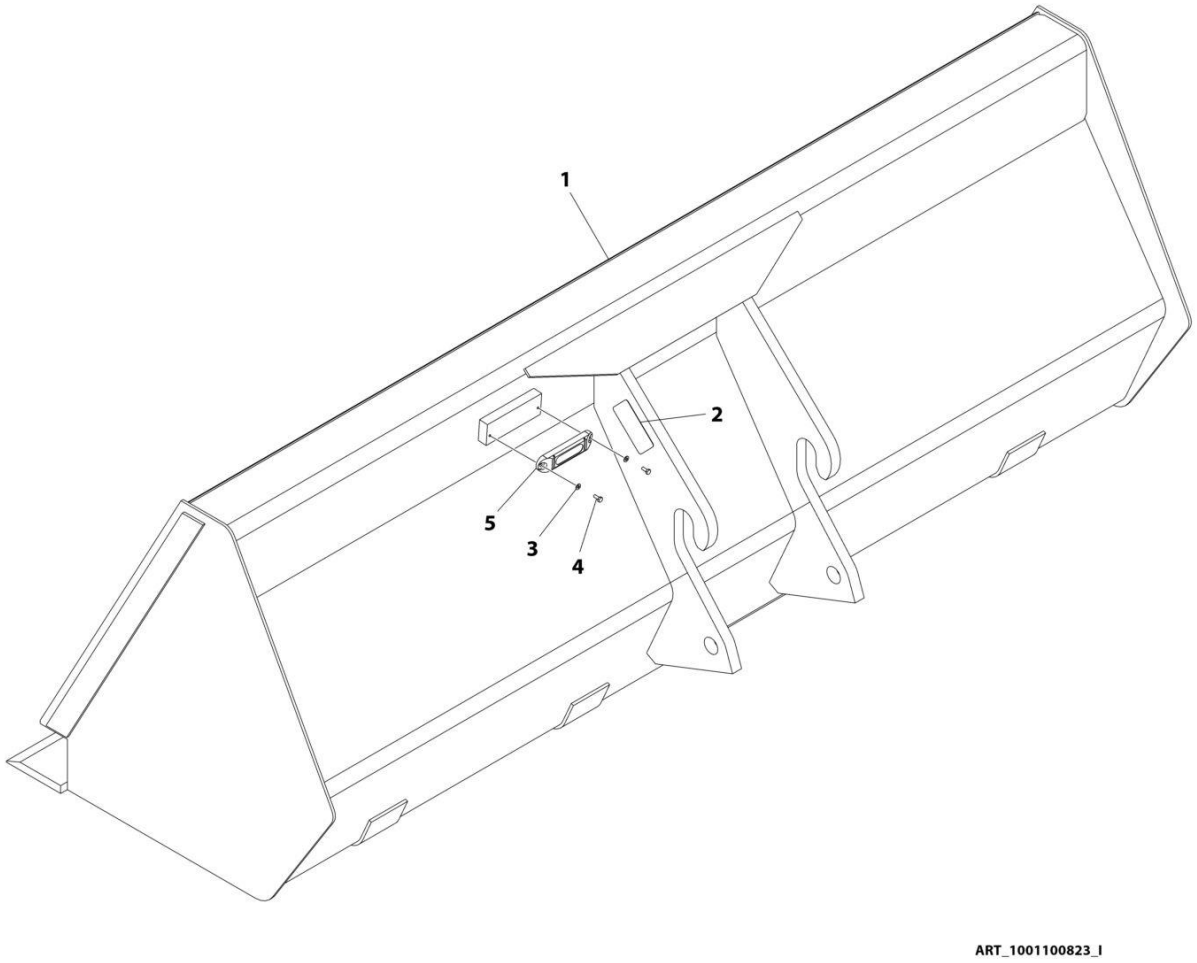


FIGURE 3-15. BUCKET - 96IN (1.5 CU YD)

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

FIGURE 3-16. BUCKET - 96IN GRAPPLE

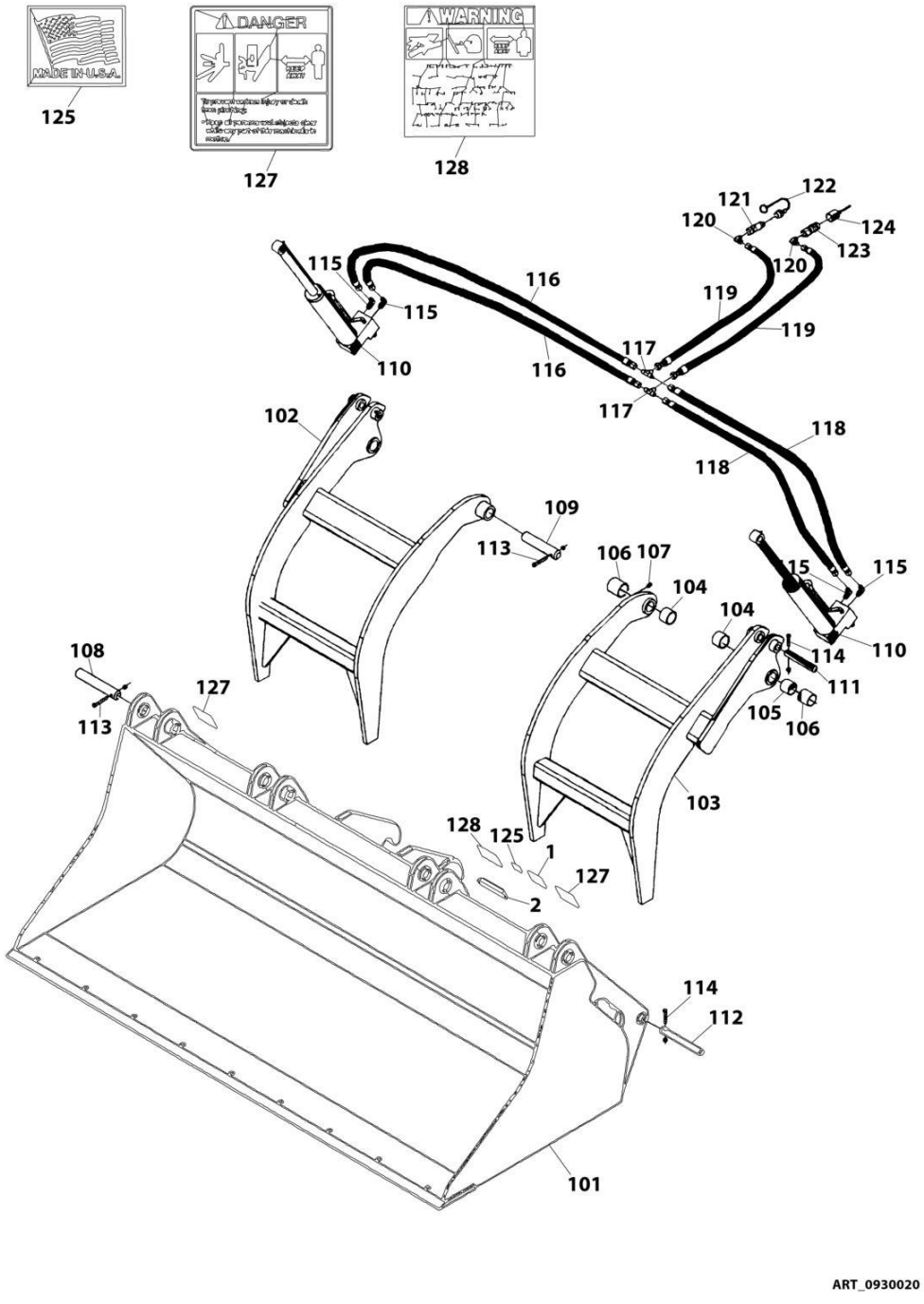


FIGURE 3-16. BUCKET - 96IN GRAPPLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0930020	Ref	Multi-Purpose Grapple Bucket (2450 MM)	L
1	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	
2	1001227670	1	Tag, RFID	
101	N.S.S.	1	Bucket	
101	70021387	4	Clamp, Hose	
102	70021391	1	Hook, RH Grapple	
103	70021392	1	Hook, LH Grapple	
104	70021358	4	Bushing	
105	70021359	2	Spacer	
106	70021360	4	Bushing	
107	7029714	4	Fitting, Grease	
108	70021361	2	Pin	
109	70021362	2	Pin	
110	70021393	2	Cylinder, Grapple Bucket (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
111	70021364	2	Pin	
112	70021365	2	Pin	
113	70021366	4	Bolt, 3/8X2-3/4	
113	70021367	4	Nut 3/8	
114	70021399	4	Bolt, 3/8X2-1/4	
114	70021367	4	Nut, Lock 3/8	
115	90554065	4	Fitting, 90	
116	70021980	2	Hose	
117	70020562	2	Fitting, Tee	
118	70021981	2	Hose	
119	70021982	2	Hose 34in (Boom Front Disconnect)	
119	70031446	2	Hose 45in (Boom Side Disconnect)	
120	70022527	2	Fitting, 90	
121	7029692	1	Coupler	
122	90554062	1	Cover	
123	70021342	1	Coupler	
124	90554076	1	Cover	
125	90554016	1	Decal, Made in USA	
127	90554017	2	Decal, Danger Pinch Point	
128	90554018	1	Decal, Warning High Pressure	

FIGURE 3-17. BUCKET - 102IN (2.0 CU YD)

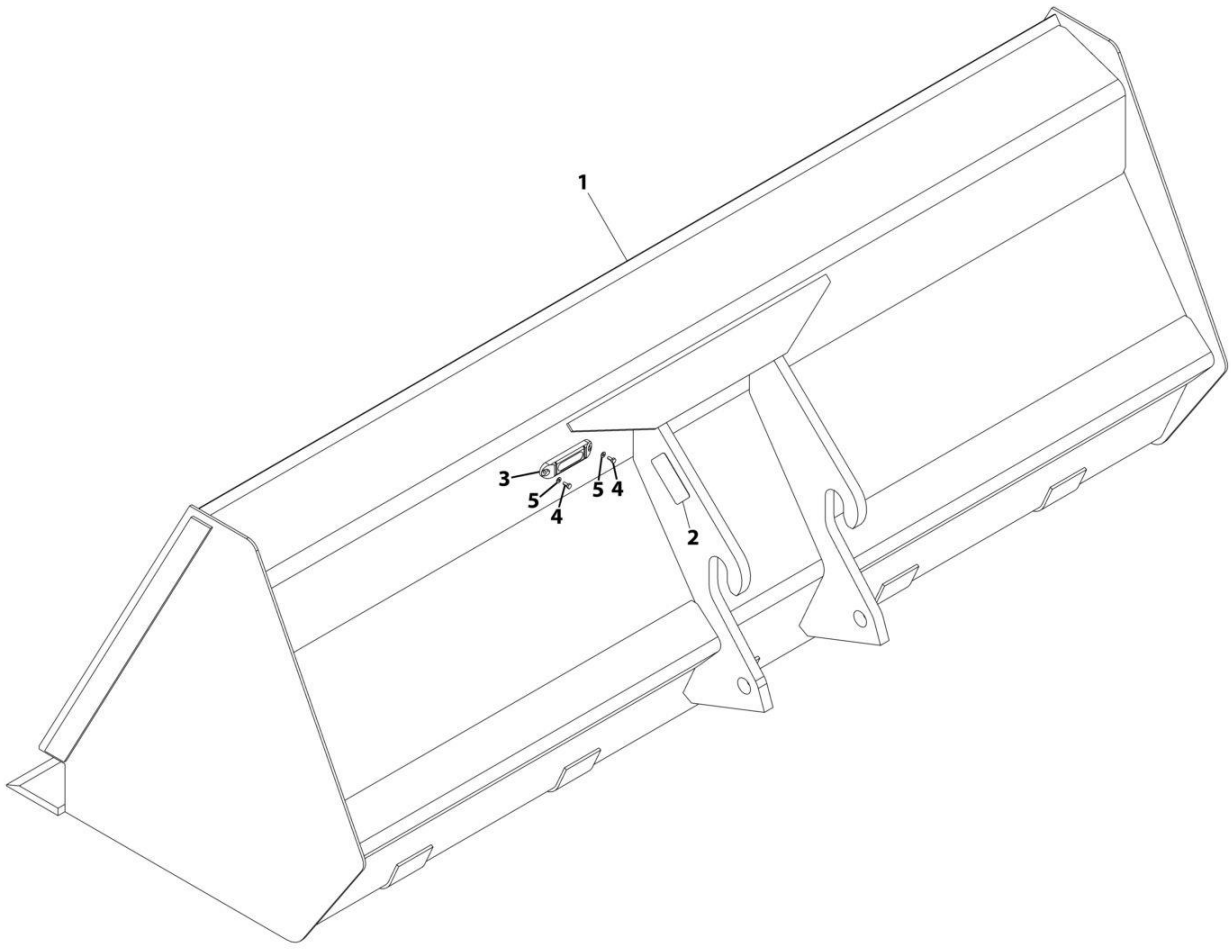


FIGURE 3-17. BUCKET - 102IN (2.0 CU YD)

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

FIGURE 3-18. CARRIAGE ASSEMBLY - 48IN/12000# CAPACITY SIDE SHIFT

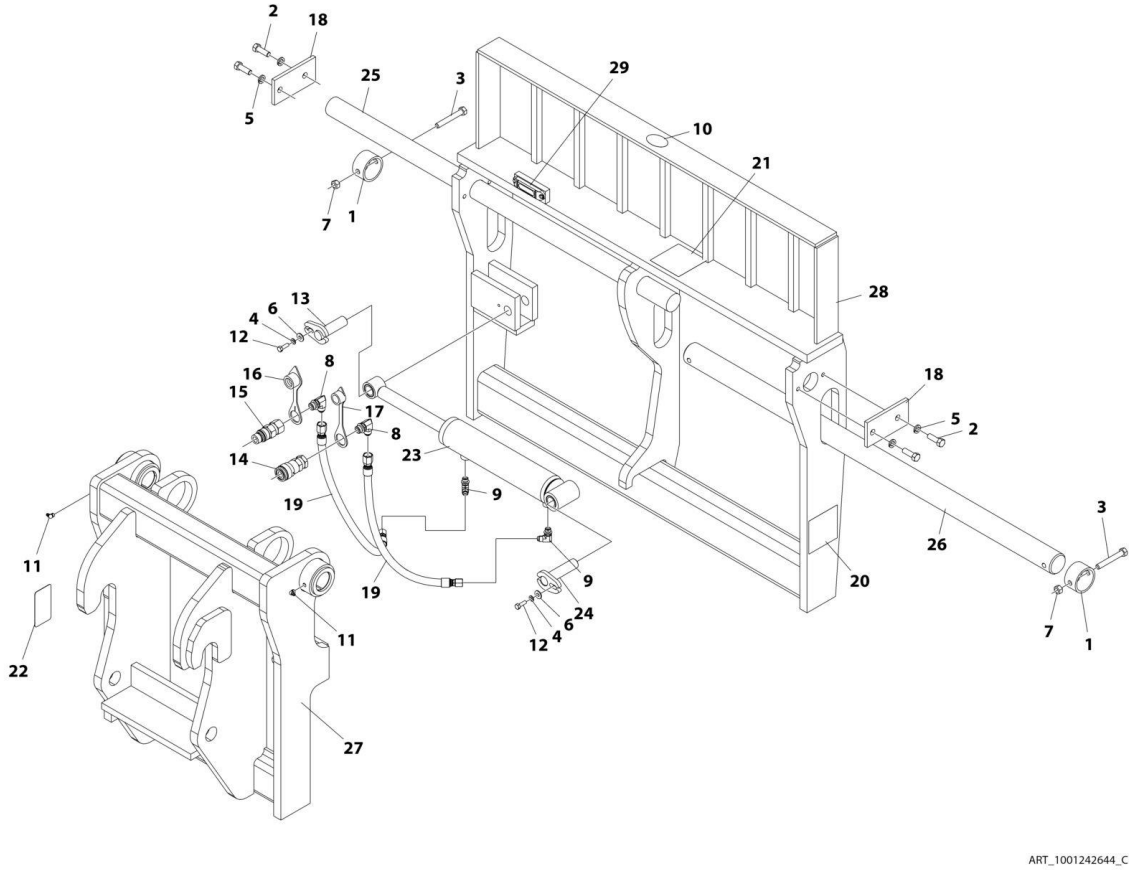


FIGURE 3-18. CARRIAGE ASSEMBLY - 48IN/12000# CAPACITY SIDE SHIFT

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

FIGURE 3-19. CARRIAGE ASSEMBLY - 50IN/1270MM

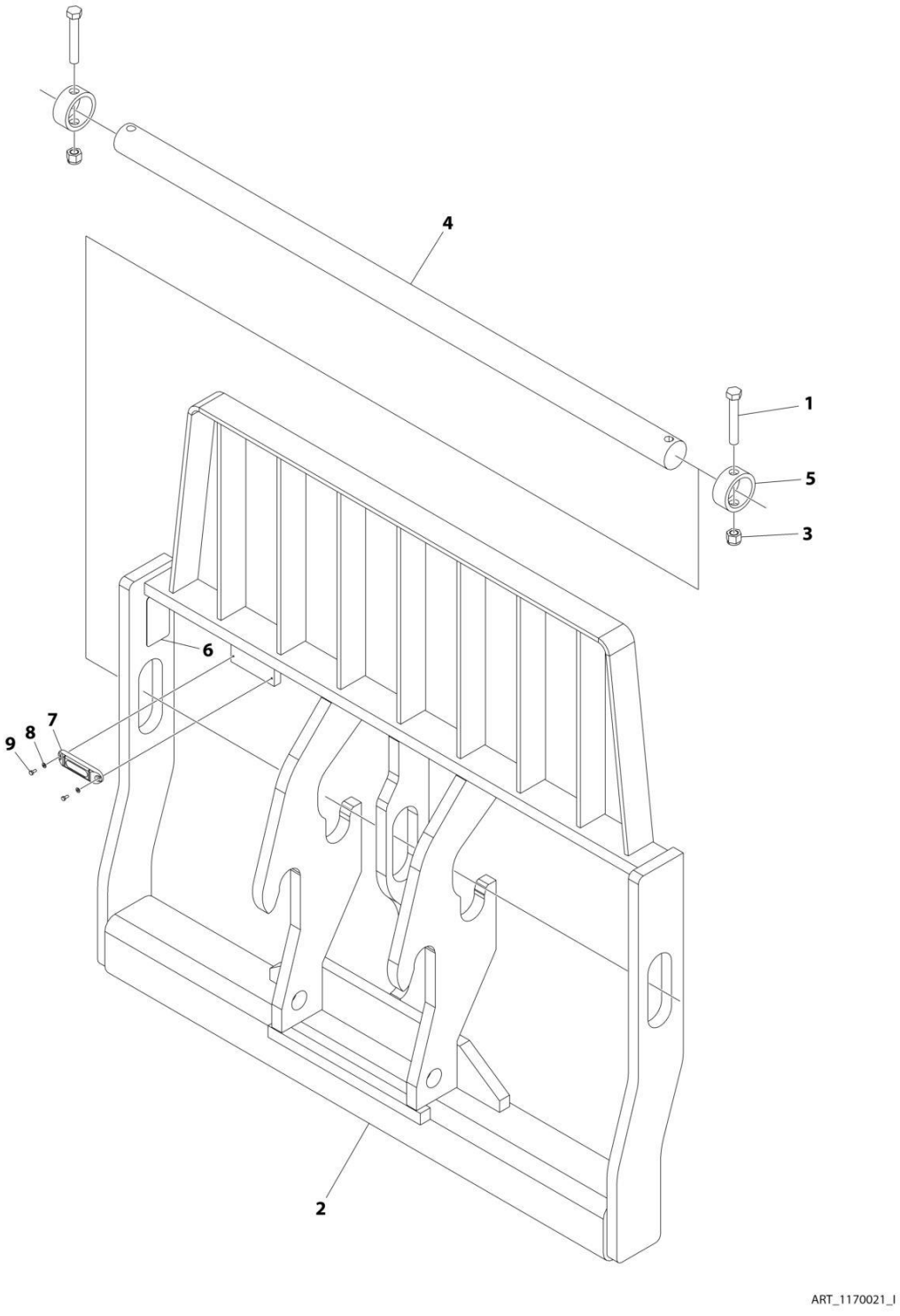


FIGURE 3-19. CARRIAGE ASSEMBLY - 50IN/1270MM

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

FIGURE 3-20. FORK POSITIONING CARRIAGE WITH FORKS (4.5 TON)

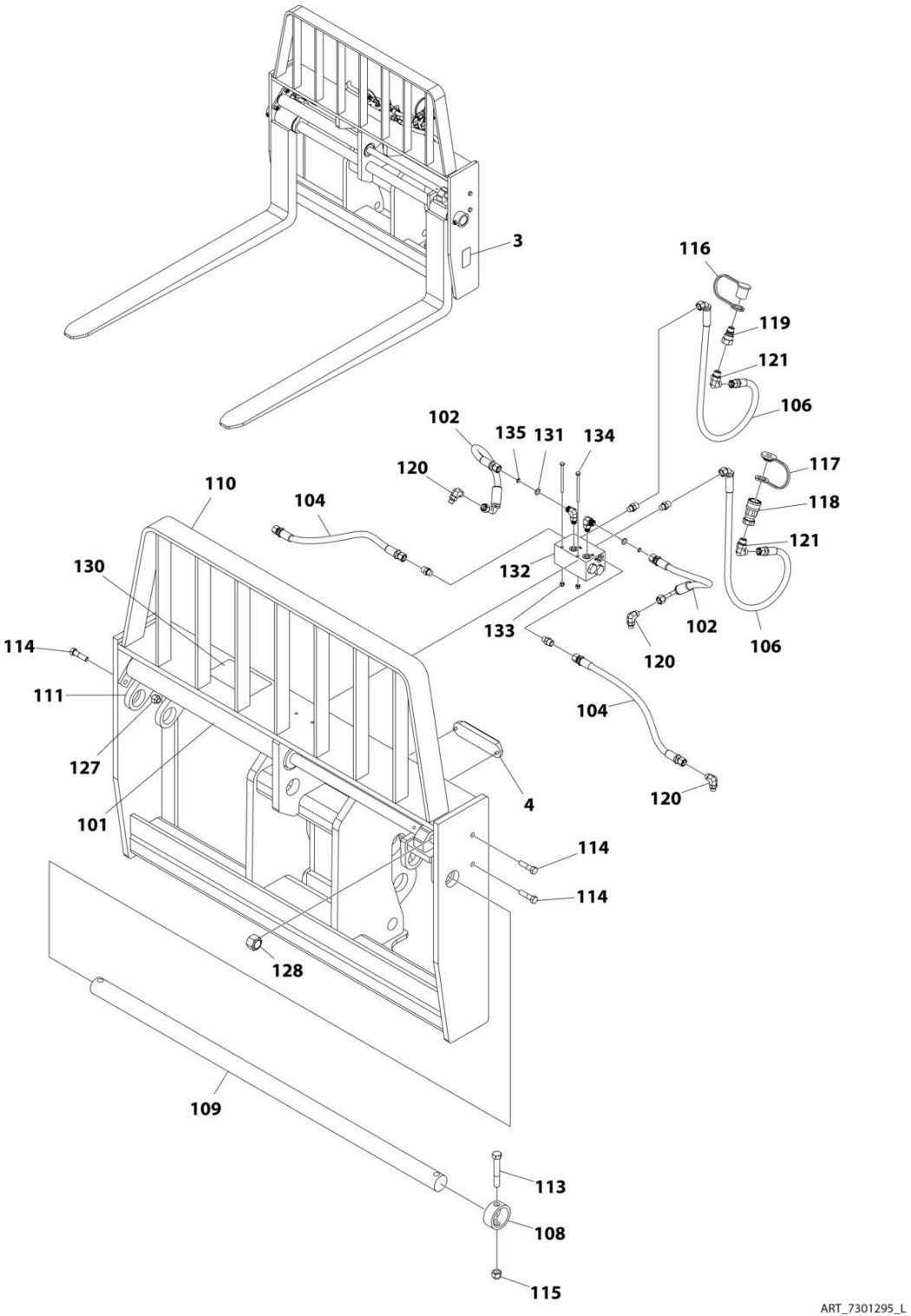


FIGURE 3-20. FORK POSITIONING CARRIAGE WITH FORKS (4.5 TON)

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

FIGURE 3-21. CARRIAGE ASSEMBLY - 50IN/12000# CAPACITY SIDE TILT (Prior to SN 0160116766)

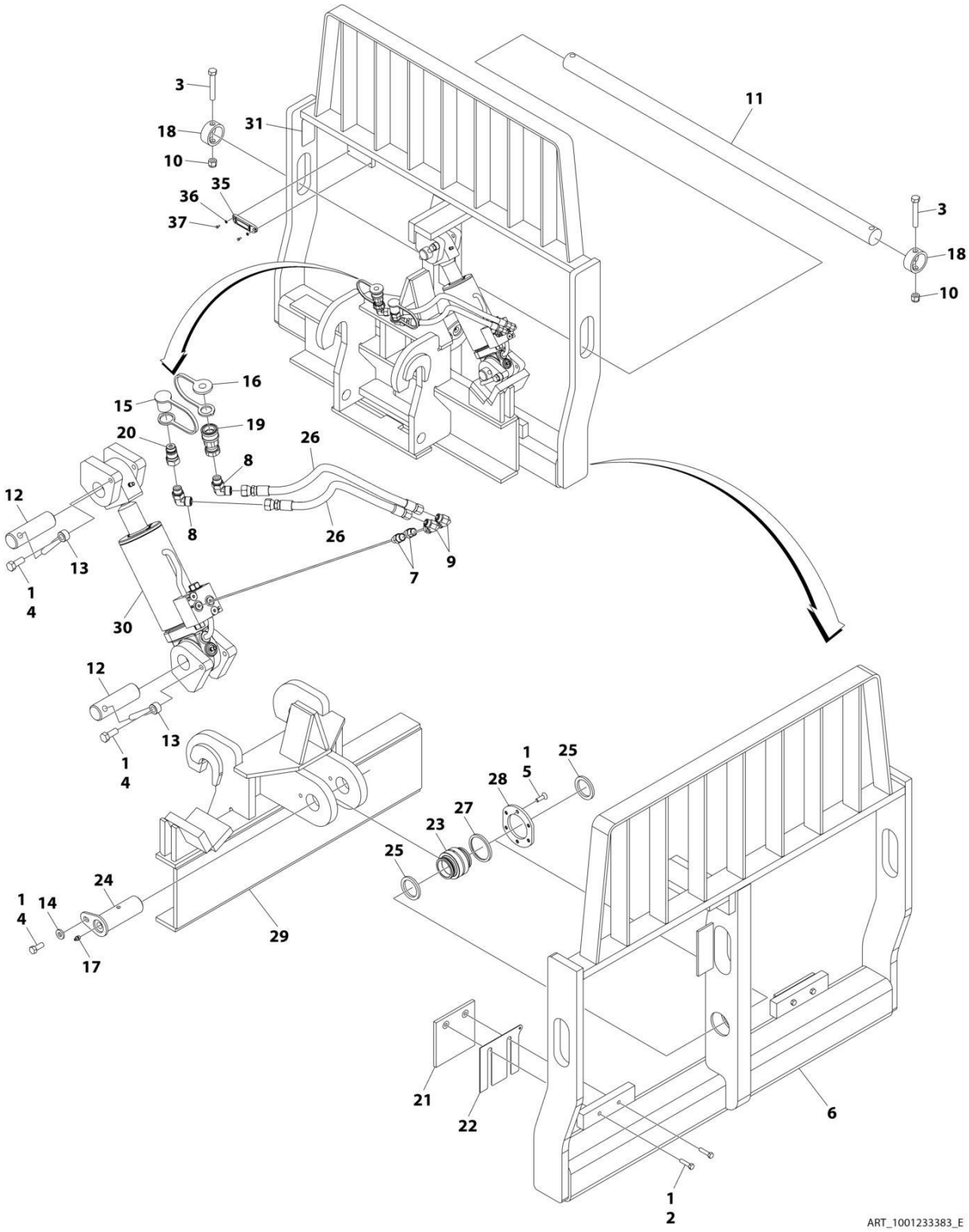


FIGURE 3-21. CARRIAGE ASSEMBLY - 50IN/12000# CAPACITY SIDE TILT (Prior to SN 0160116766)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233383	NLA	SIDE TILT CARRIAGE ASSEMBLY (50 INCH) (No longer available, use item 1 to 37 for service or 1001277290 for replacement)	E
1	0100011	AR	Compound, Locking	
2	0641612	4	Bolt 3/8 x 1-1/2	
3	0642032	2	Bolt 5/8 x 4	
4	0681810	3	Bolt 1/2 x 1-1/4	
5	0741610	6	Screw 3/8 x 1.25	
6	See Note	NSS	Carriage (Note: Purchase Complete Assembly)	
7	2110606	2	Fitting, Straight ORFS	
8	2130808	2	Adapter, 90	
9	2172106	2	Fitting, 90 ORFS	
10	3300240	2	Nut 5/8	
11	3423275	1	Pin	
12	3423307	2	Pin	
13	3841203	2	Keeper	
14	4891800	1	Flatwasher	
15	8420053	1	Cap	
16	8420055	1	Plug	
17	88671001	1	Fitting, Grease	
18	90200003	2	Collar	
19	91403413	1	Fitting, Straight	
20	91403414	1	Fitting, Straight	
21	1001090063	2	Pad	
22	1001090064	AR	Shim	
23	1001090140	1	Bearing	
24	1001099113	1	Pin	
25	1001099115	2	Sleeve	
26	1001239734	2	Hose	
27	1001120914	1	Shim	
28	1001120915	1	Plate	
29	See Note	NSS	Carriage, Base Plate (Note: Purchase Complete Assembly)	
30	1001163414	1	Cylinder, Side Tilt (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
31	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
35	1001227670	1	Tag, RFID	
36	4811400	2	Washer M4	
37	0760405	2	Bolt M4 x 10	

FIGURE 3-22. CARRIAGE ASSEMBLY - 50IN/12000# CAPACITY SIDE TILT (SN 0160116766 to Present)

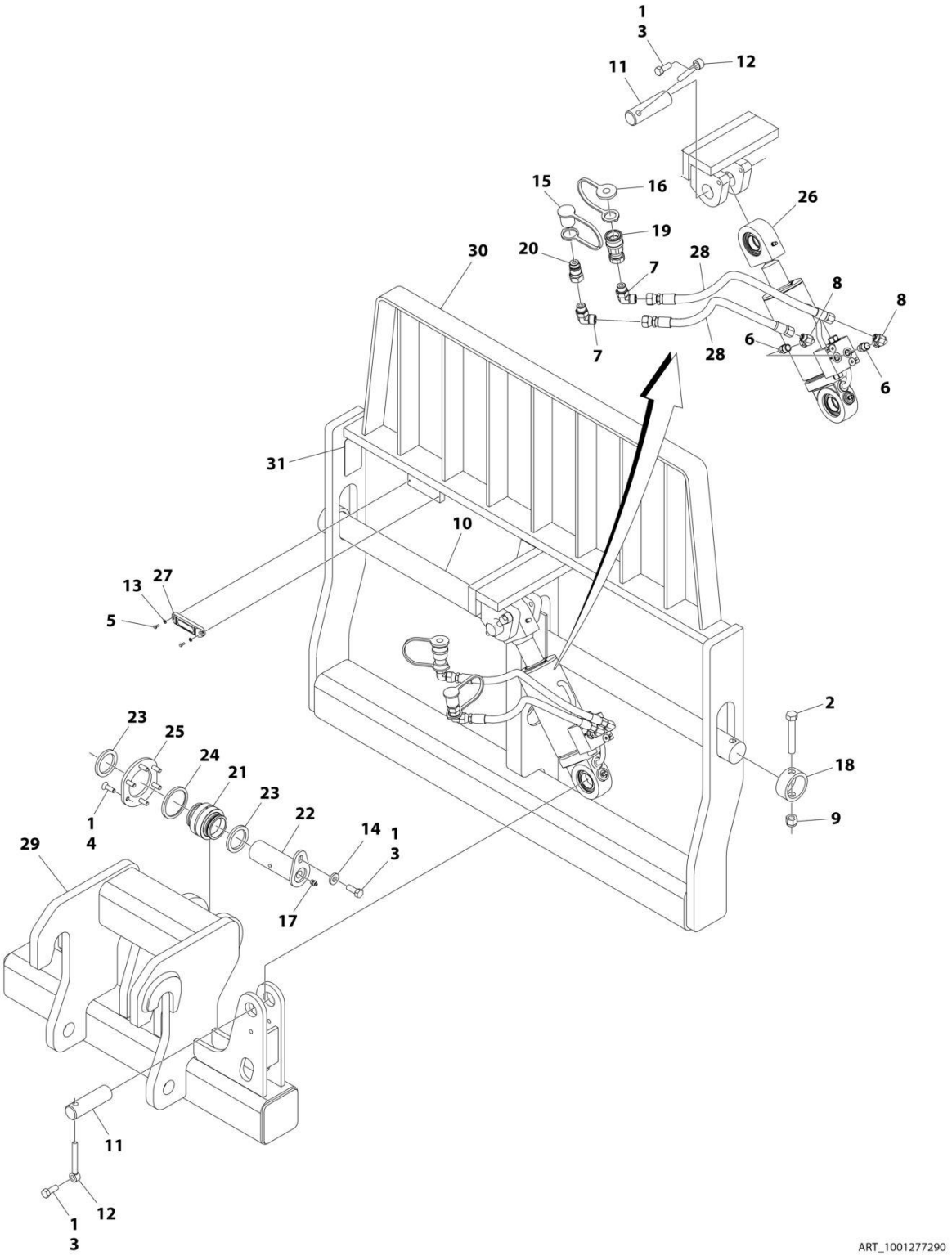


FIGURE 3-22. CARRIAGE ASSEMBLY - 50IN/12000# CAPACITY SIDE TILT (SN 0160116766 to Present)

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

FIGURE 3-23. CARRIAGE ASSEMBLY - 60IN/1524MM

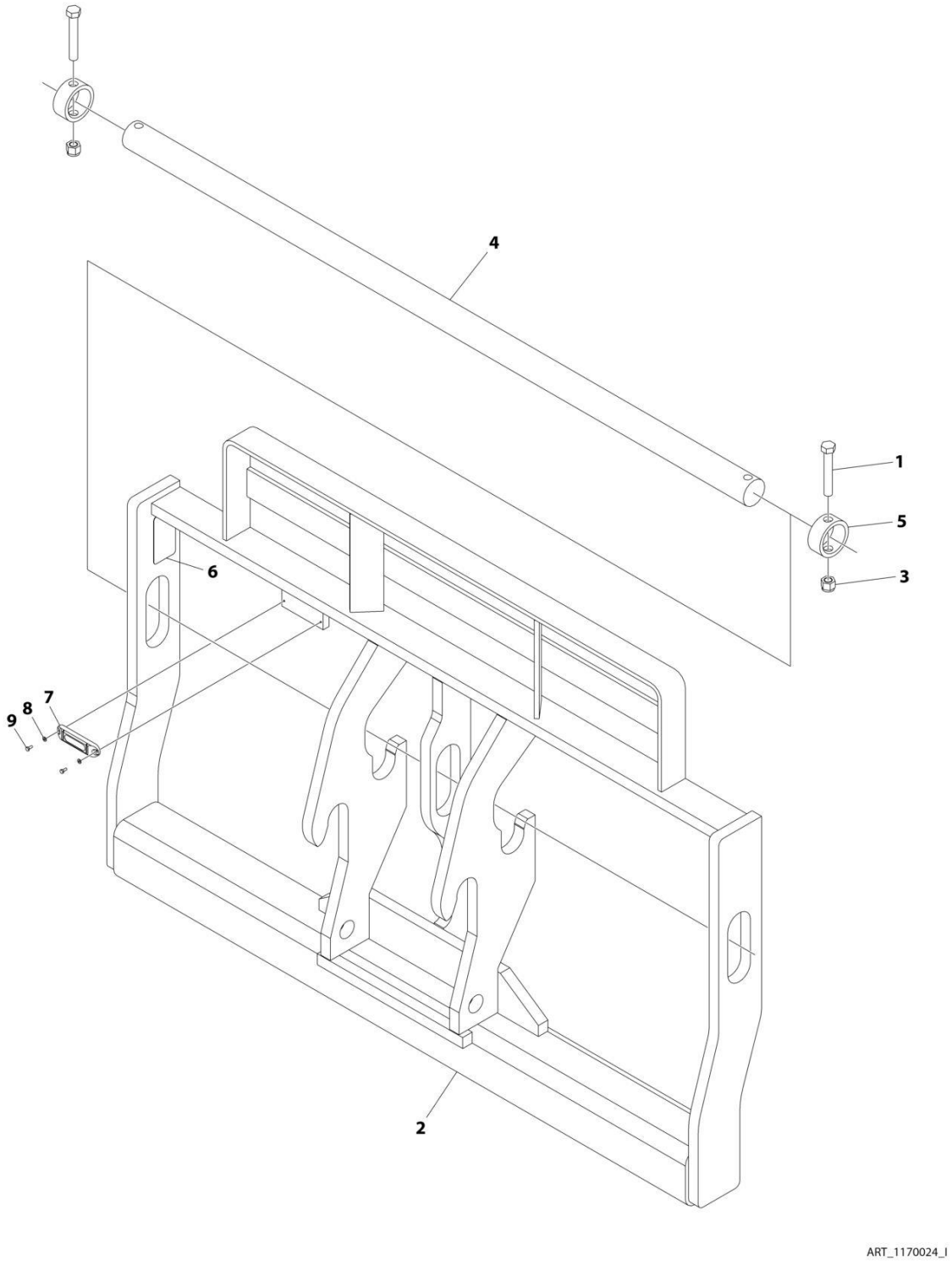


FIGURE 3-23. CARRIAGE ASSEMBLY - 60IN/1524MM

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

FIGURE 3-24. CARRIAGE ASSEMBLY - 60IN/12000# CAPACITY SIDE TILT (Prior to SN 0160116766)

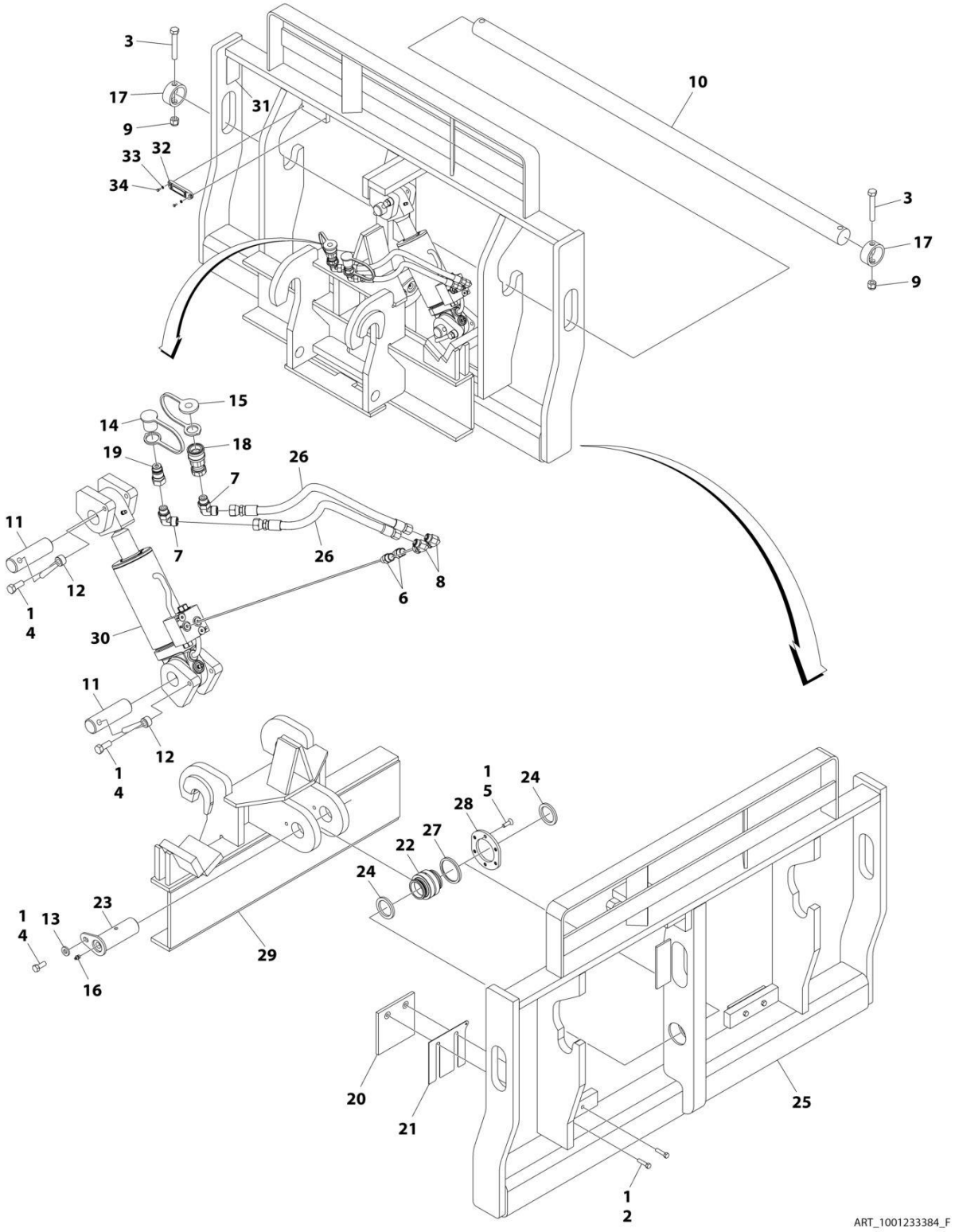


FIGURE 3-24. CARRIAGE ASSEMBLY - 60IN/12000# CAPACITY SIDE TILT (Prior to SN 0160116766)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233384	Ref	SIDE TILT CARRIAGE ASSEMBLY (60 INCH)	F
1	0100011	AR	Compound, Locking	
2	0641612	4	Bolt 3/8 x 1-1/2	
3	0642032	2	Bolt 5/8 x 4	
4	0681810	3	Bolt 1/2 x 1-1/4	
5	0741610	6	Screw 3/8 x 1-1/4	
6	2110606	2	Fitting, Straight	
7	2130808	2	Adapter, 90	
8	2172106	2	Fitting, 90	
9	3300240	2	Nut 5/8	
10	3423242	1	Pin	
11	3423307	2	Pin	
12	3841203	2	Keeper	
13	4891800	1	Washer	
14	8420053	1	Cap	
15	8420055	1	Plug	
16	88671001	1	Fitting, Grease	
17	90200003	2	Collar	
18	91403413	1	Fitting, Straight	
19	91403414	1	Fitting, Straight	
20	1001090063	2	Pad	
21	1001090064	AR	Shim	
22	1001090140	1	Bearing	
23	1001099113	1	Pin	
24	1001099115	2	Sleeve	
25	See Note	NSS	Carriage, Side Tilt (Note: Purchase Complete Assembly)	
26	1001239734	2	Hose	
27	1001120914	1	Shim	
28	1001120915	1	Plate	
29	1001133072	1	Carriage, Base Pivot	
30	1001163414	1	Cylinder, Side Tilt (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
31	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
32	1001227670	1	Tag, RFID	
33	4811400	2	Washer M4	
34	0760405	2	Bolt M4 x 10	

FIGURE 3-25. CARRIAGE ASSEMBLY - 60IN/12000# CAPACITY SIDE TILT (SN 0160116766 to Present)

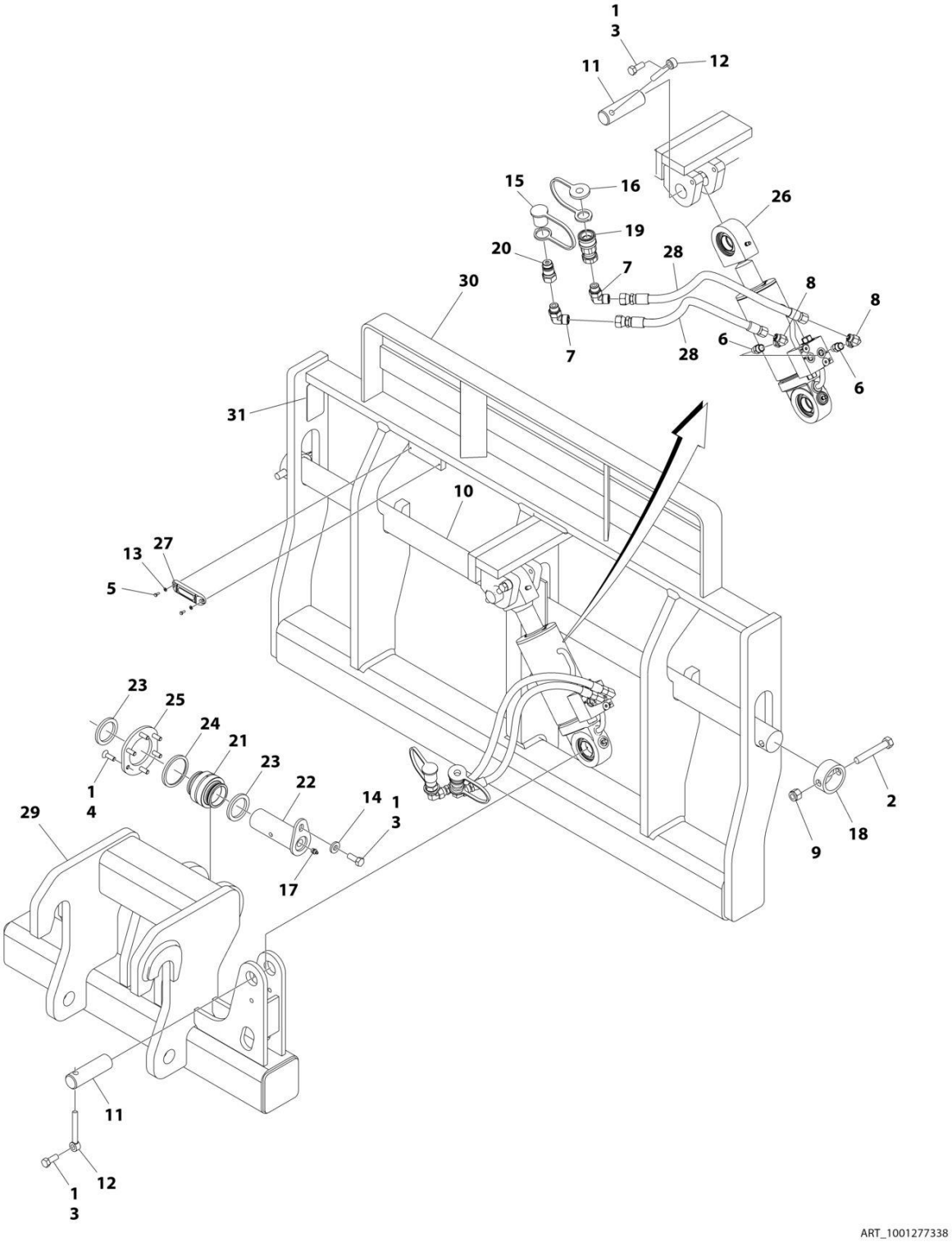


FIGURE 3-25. CARRIAGE ASSEMBLY - 60IN/12000# CAPACITY SIDE TILT (SN 0160116766 to Present)

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

FIGURE 3-26. CARRIAGE ASSEMBLY - 72IN/1829MM

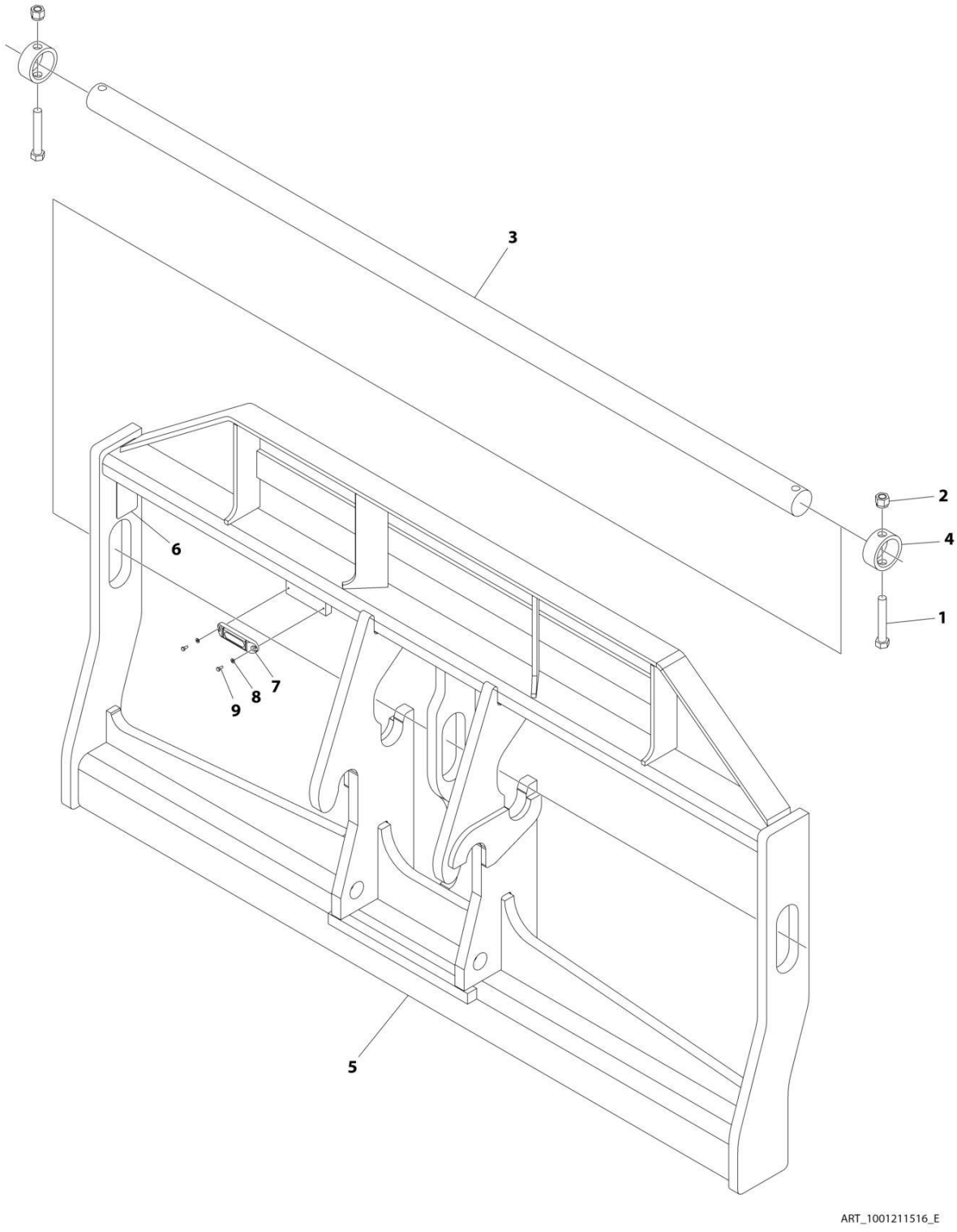


FIGURE 3-26. CARRIAGE ASSEMBLY - 72IN/1829MM

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

FIGURE 3-27. CARRIAGE ASSEMBLY - 72IN 90 DEGREE SWING (Prior to SN 0160115844)

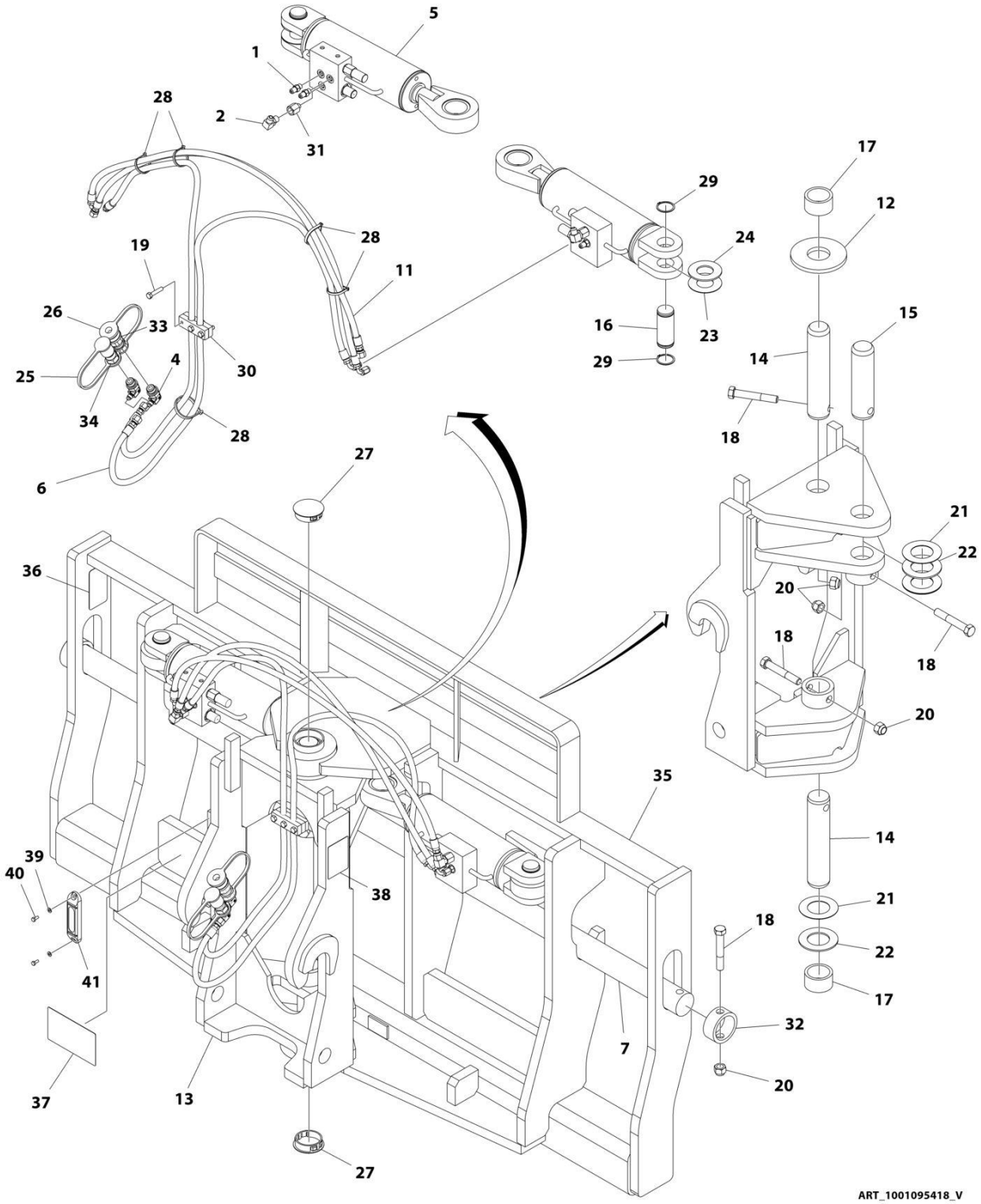


FIGURE 3-27. CARRIAGE ASSEMBLY - 72IN 90 DEGREE SWING (Prior to SN 0160115844)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001095418	Ref	CARRIAGE ASSEMBLY - SWING (72 INCH)	V
1	2220415	4	Fitting, Straight ORFS	
2	2220473	2	Fitting, 90 ORFS	
4	1001211139	2	Adapter, 90	
5	1001103182	1	Swing Carriage Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
6	2717287	2	Hose 58IN (Boom Front Disconnect)	
6	1001301599	1	Hose 66IN (Boom Side Disconnect)	
6	1001301600	1	Hose 46IN (Boom Side Disconnect)	
7	3423276	1	Pin	
11	6604662	2	Hose	
12	7062922	1	Washer	
13	See Note	NSS	Pivot (Note: Purchase Complete Assembly)	
14	7110702	2	Pin	
15	7110712	1	Pin	
16	7110722	2	Pin	
17	8065062	2	Bushing	
18	8303634	5	Bolt 5/8 x 4	
19	8303715	3	Bolt 5/16 x 1-1/2	
20	8305643	5	Nut 5/8	
21	8307904	AR	Washer	
22	8307918	AR	Washer	
23	8310160	AR	Washer	
24	8310161	AR	Washer	
25	8420053	1	Cap	
26	8420055	1	Plug	
27	8580315	2	Plug	
28	8584001	5	Tie Wrap	
29	8642207	4	Ring, Retaining	
30	8769132	2	Clamp	
31	8770016	2	Fitting, Straight ORFS	
32	90200003	2	Collar	
33	91403413	1	Fitting, Straight ORFS	
34	91403414	1	Fitting, Straight	
35	See Note	NSS	Carriage (Note: Purchase Complete Assembly)	
36	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
37	1001110704	1	Decal, Warning Crushing Hazard	
38	1001111190	2	Decal, Warning	
39	4811400	2	Washer M4	
40	0760405	2	Bolt M4 x 10	
41	1001227670	1	Tag - RFID	

FIGURE 3-28. CARRIAGE ASSEMBLY - 72IN 90 DEGREE SWING (SN 0160115844 to Present)

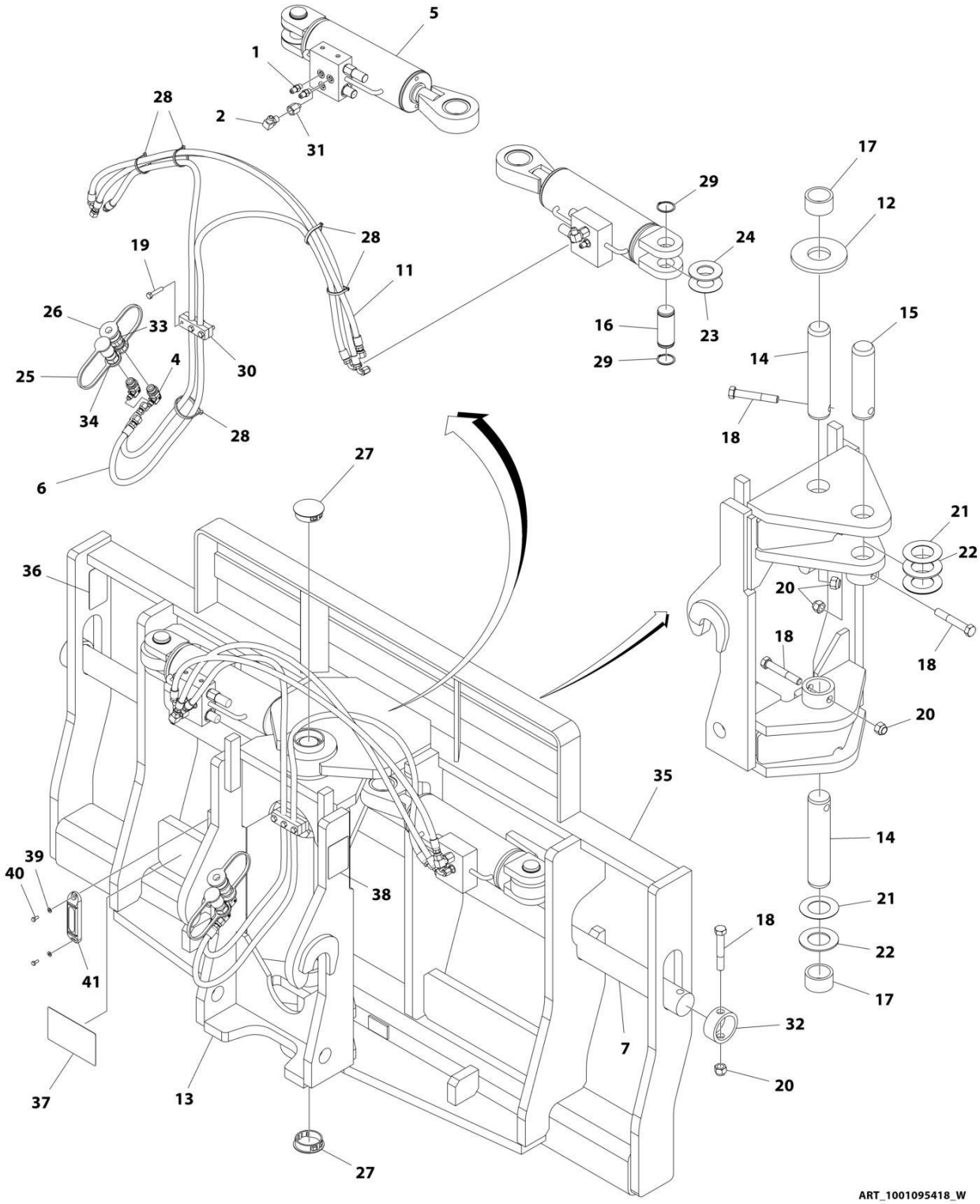


FIGURE 3-28. CARRIAGE ASSEMBLY - 72IN 90 DEGREE SWING (SN 0160115844 to Present)

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

FIGURE 3-29. CARRIAGE ASSEMBLY - 72IN/12000# CAPACITY SIDE TILT (Prior to SN 0160116766)

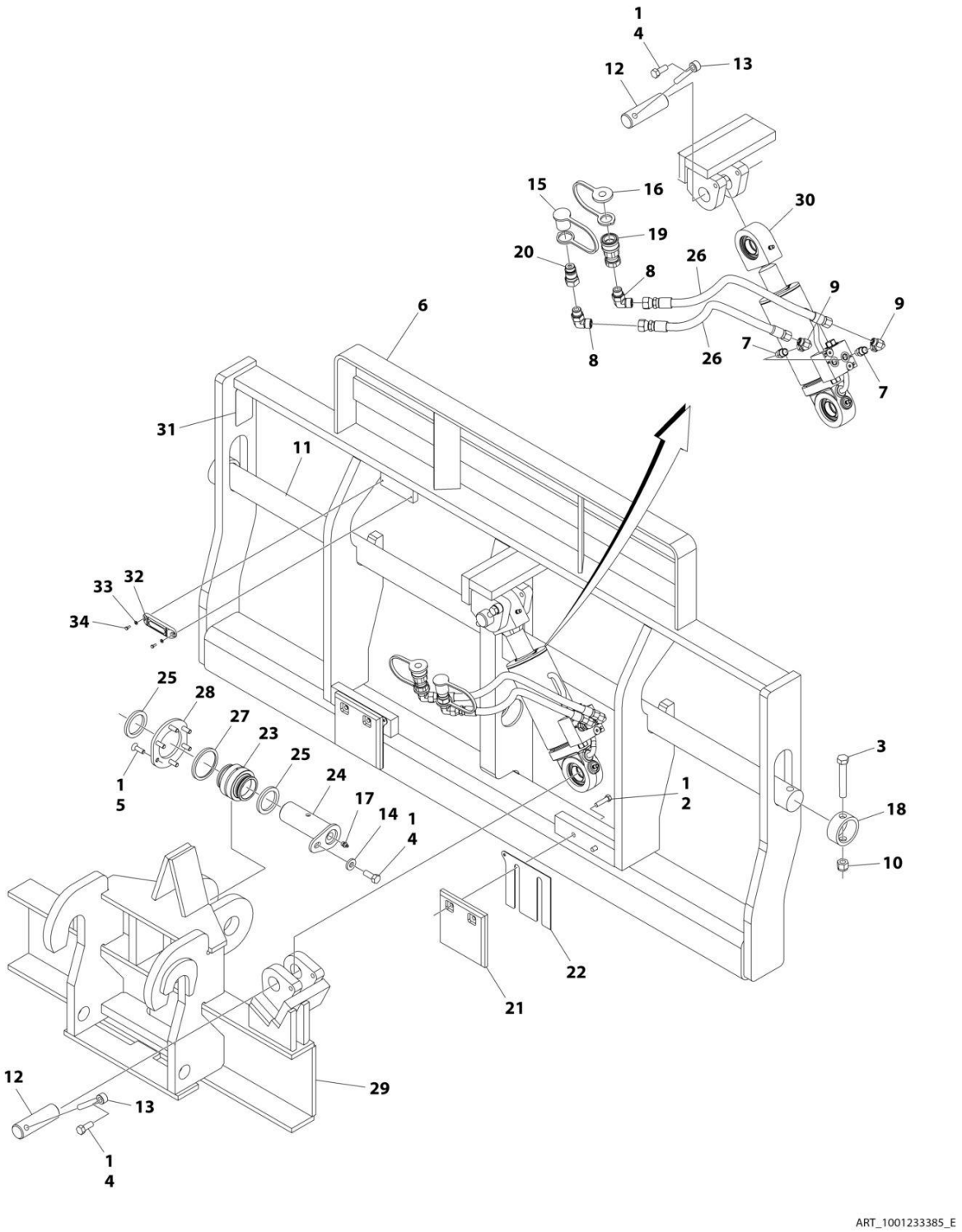


FIGURE 3-29. CARRIAGE ASSEMBLY - 72IN/12000# CAPACITY SIDE TILT (Prior to SN 0160116766)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233385	NLA	SIDE TILT CARRIAGE ASSEMBLY (72 INCH) (No longer available, use item 1 to 34 for service or 1001276666 for replacement)	E
1	0100011	AR	Compound, Locking	
2	0641612	4	Bolt 3/8 x 1-1/2	
3	0642032	2	Bolt 5/8 x 4	
4	0681810	3	Bolt 1/2 x 1-1/4	
5	0741610	6	Screw 3/8 x 1-1/4	
5	See Note	NSS	Carriage, Side Tilt (Note: Purchase Complete Assembly)	
7	2110606	2	Adapter, Straight	
8	2130808	2	Adapter, 90	
9	2172106	2	Adapter, 90	
10	3300240	2	Nut 5/8	
11	3423276	1	Pin, Fork	
12	3423307	2	Pin, Side Tilt Cylinder	
13	3841203	2	Keeper, Rod	
14	4891800	1	Washer 1/2	
15	8420053	1	Cap, Dust	
16	8420055	1	Plug, Dust	
17	88671001	1	Fitting, Grease	
18	90200003	2	Collar, Fork Pin	
19	91403413	1	Adapter	
20	91403414	1	Adapter	
21	1001090063	2	Pad, Wear	
22	1001090064	AR	Shim, Wear Pad	
23	1001090140	1	Bearing, Side Tilt Spherical	
24	1001099113	1	Pin, Side Tilt Frame Pivot	
25	1001099115	2	Sleeve, Tilt Bearing Spacer	
26	1001239734	2	Hose	
27	1001120914	1	Shim, Bearing Retainer	
28	1001120915	1	Plate, Bearing Retainer	
29	1001133072	1	Carriage, Base Pivot	
30	1001163414	1	Cylinder, Side Tilt (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
31	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
32	1001227670	1	Tag, RFID	
33	4811400	2	Washer M4	
34	0760405	2	Bolt M4 x 10	

FIGURE 3-30. CARRIAGE ASSEMBLY - 72IN/12000# CAPACITY SIDE TILT (SN 0160116766 to Present)

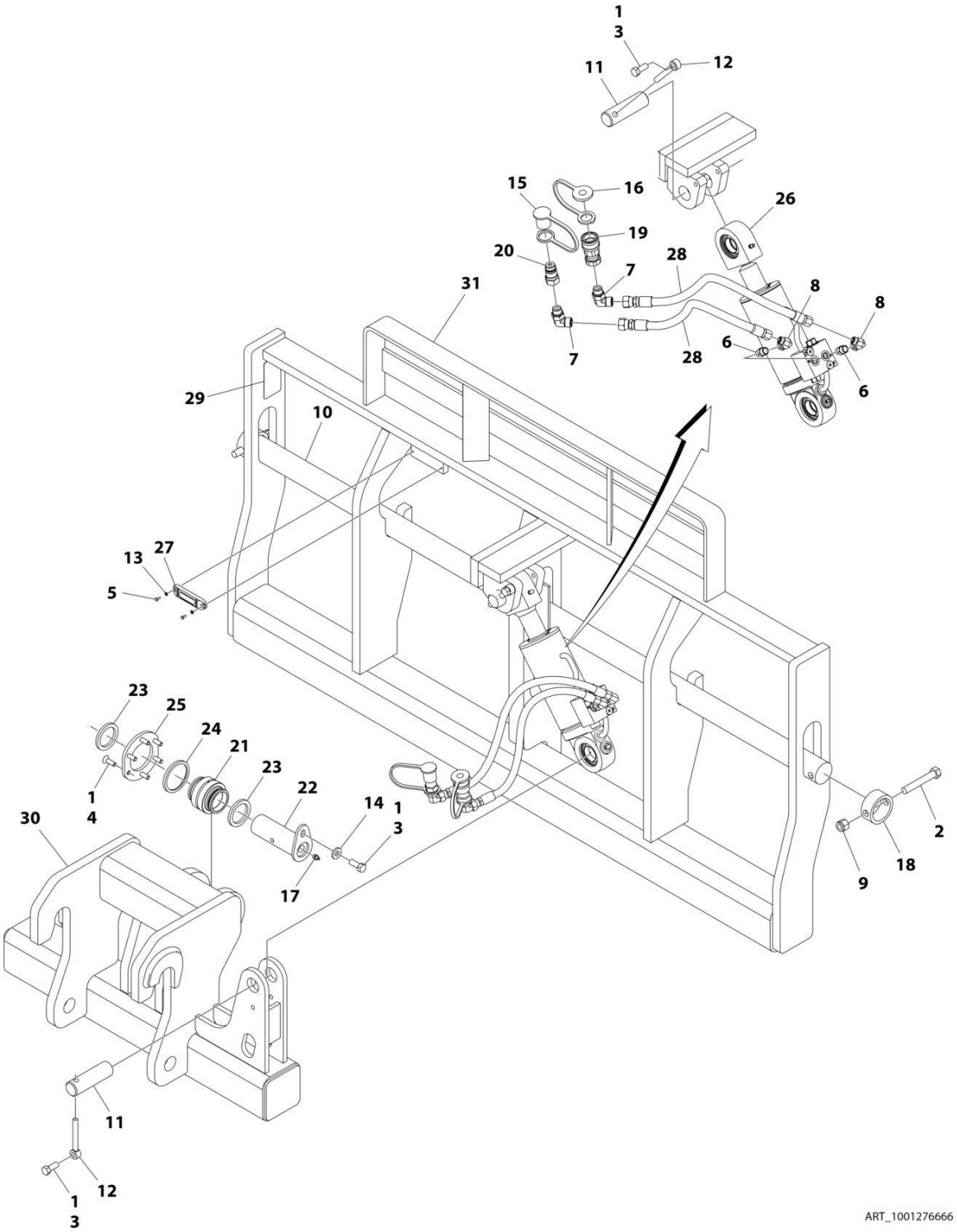


FIGURE 3-30. CARRIAGE ASSEMBLY - 72IN/12000# CAPACITY SIDE TILT (SN 0160116766 to Present)

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

FIGURE 3-31. CARRIAGE ASSEMBLY - DRYWALL (SWING)

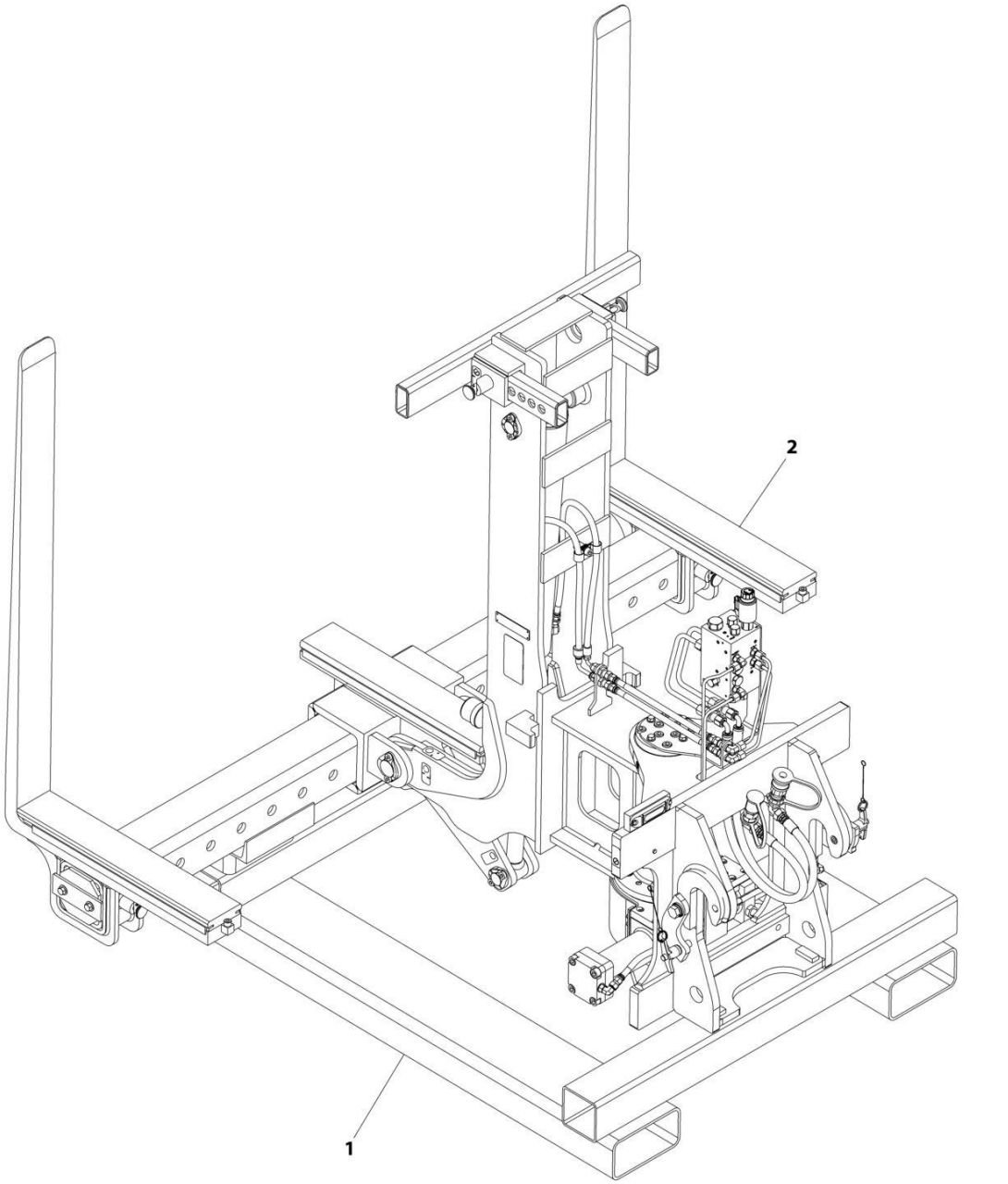


FIGURE 3-31. CARRIAGE ASSEMBLY - DRYWALL (SWING)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246022	Ref	DRYWALL SWING CARRIAGE INSTALLATION	B
1	1001243214	1	Drywall Cradle	
2	1001230765	1	Rotating Drywall Carriage (See Separate Breakdown in this Section)	

FIGURE 3-32. CARRIAGE ASSEMBLY - DRYWALL SWING CARRIAGE

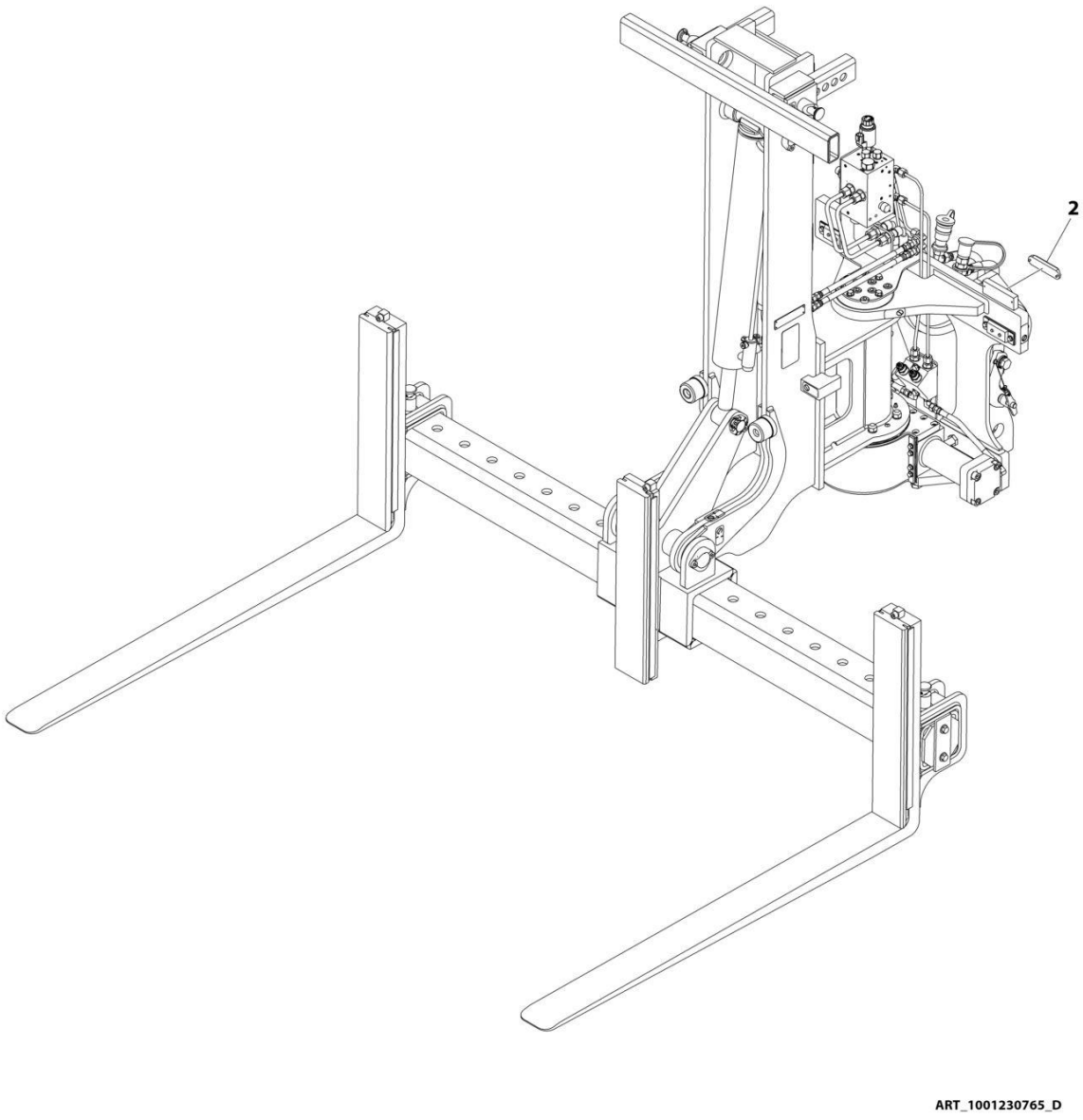


FIGURE 3-32. CARRIAGE ASSEMBLY - DRYWALL SWING CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230765	Ref	ROTATING DRYWALL CARRIAGE	D
		Ref	Drywall Board Handler (See Separate Breakdown in this Section)	
		Ref	Drywall Pivot Frame Group (See Separate Breakdown in this Section)	
		Ref	Drywall Cylinder (See Separate Breakdown in this Section)	
		Ref	Drywall Hydraulic Group (See Separate Breakdown in this Section)	
		Ref	Drywall Valve Assembly (See Separate Breakdown in this Section)	
		Ref	Drywall Cylinder (See Separate Breakdown in this Section)	
		Ref	Drywall Fork Group (See Separate Breakdown in this Section)	
2	1001227670	1	Tag, RFID	

FIGURE 3-33. CARRIAGE ASSEMBLY - DRYWALL BOARD HANDLER

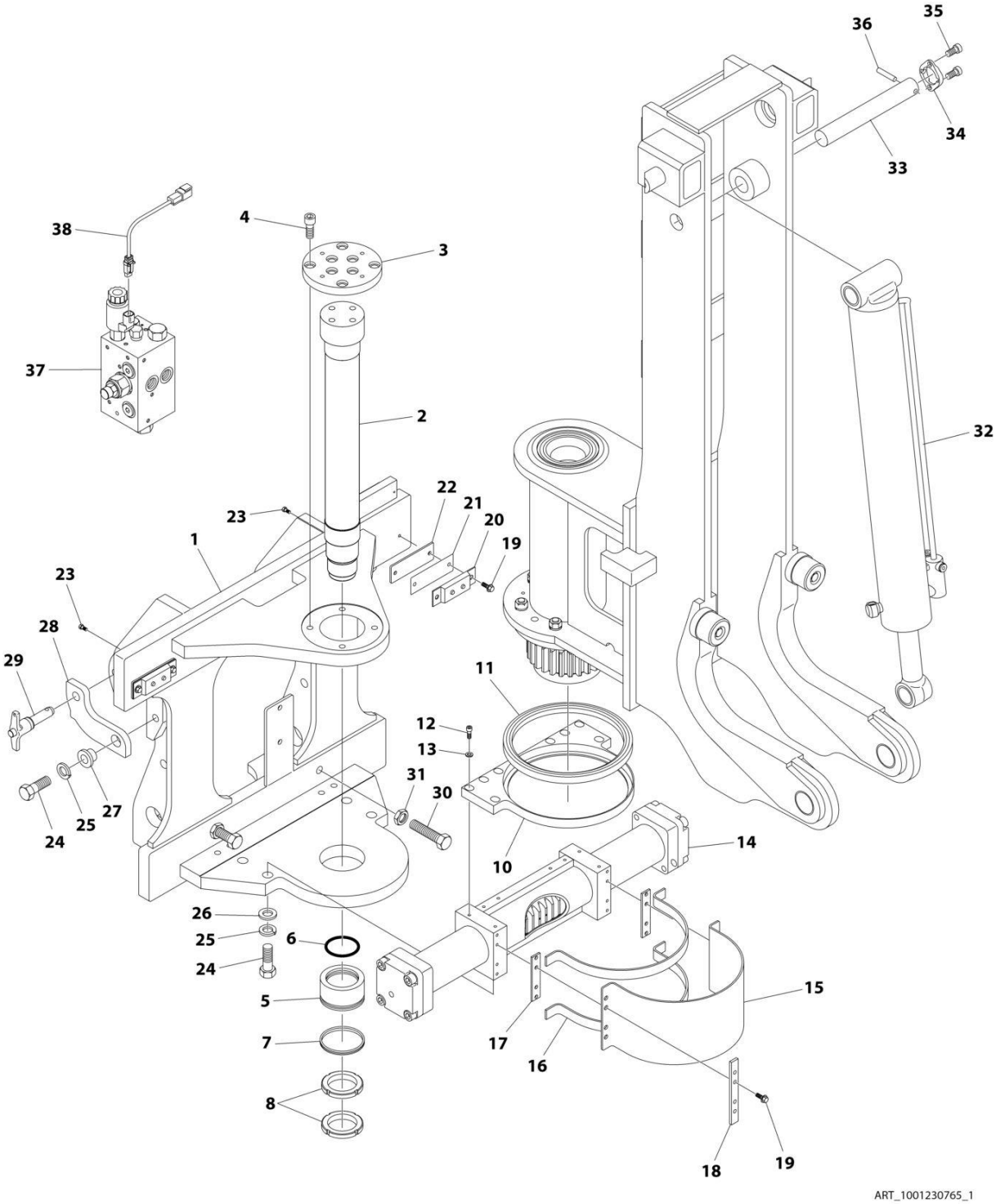


FIGURE 3-33. CARRIAGE ASSEMBLY - DRYWALL BOARD HANDLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230765	Ref	Drywall - Board Handler	
1	70029608	1	Carriage, Hook Mount	
2	70029609	1	Pivot Shaft	
3	70029610	1	Cap	
4	70029611	8	Screw	
5	70029612	1	Spacer	
6	70029613	1	O-Ring	
7	70029614	1	Dual Seal	
8	70029615	2	Locknut	
10	70029616	1	Upper Housing Assembly	
11	70029648	1	Shaft Seal	
12	70029617	8	Screw	
13	70026480	8	Washer	
14	70029586	1	Cylinder Assembly	
15	70029618	1	Cover Assembly (includes Items 16 & 17)	
16	N.S.S.	2	Gasket	
17	N.S.S.	2	Gasket	
18	70029619	2	Plate	
19	70029620	12	Screw	
20	70029621	2	Cushion	
21	70029622	AR	Shim	
22	70029623	AR	Shim	
23	70029624	2	Screw	
24	70024552	6	Screw	
25	70024551	6	Lockwasher	
26	70029625	4	Washer	
27	70029626	2	Shoulder Boss	
28	70029627	2	Lock Plate	
29	70029628	2	Ball Lock Pin	
30	70029629	2	Screw	
31	70029630	2	Jam Nut	
32	70029587	1	Cylinder Assembly	
33	70029631	1	Pin	
34	70028702	1	Pin Retainer	
35	70028701	2	Screw	
36	70028703	1	Grooved Pin	
37	70029595	1	Valve Assembly	
38	70029588	1	Cable Assembly	

FIGURE 3-34. CARRIAGE ASSEMBLY - DRYWALL PIVOT FRAME

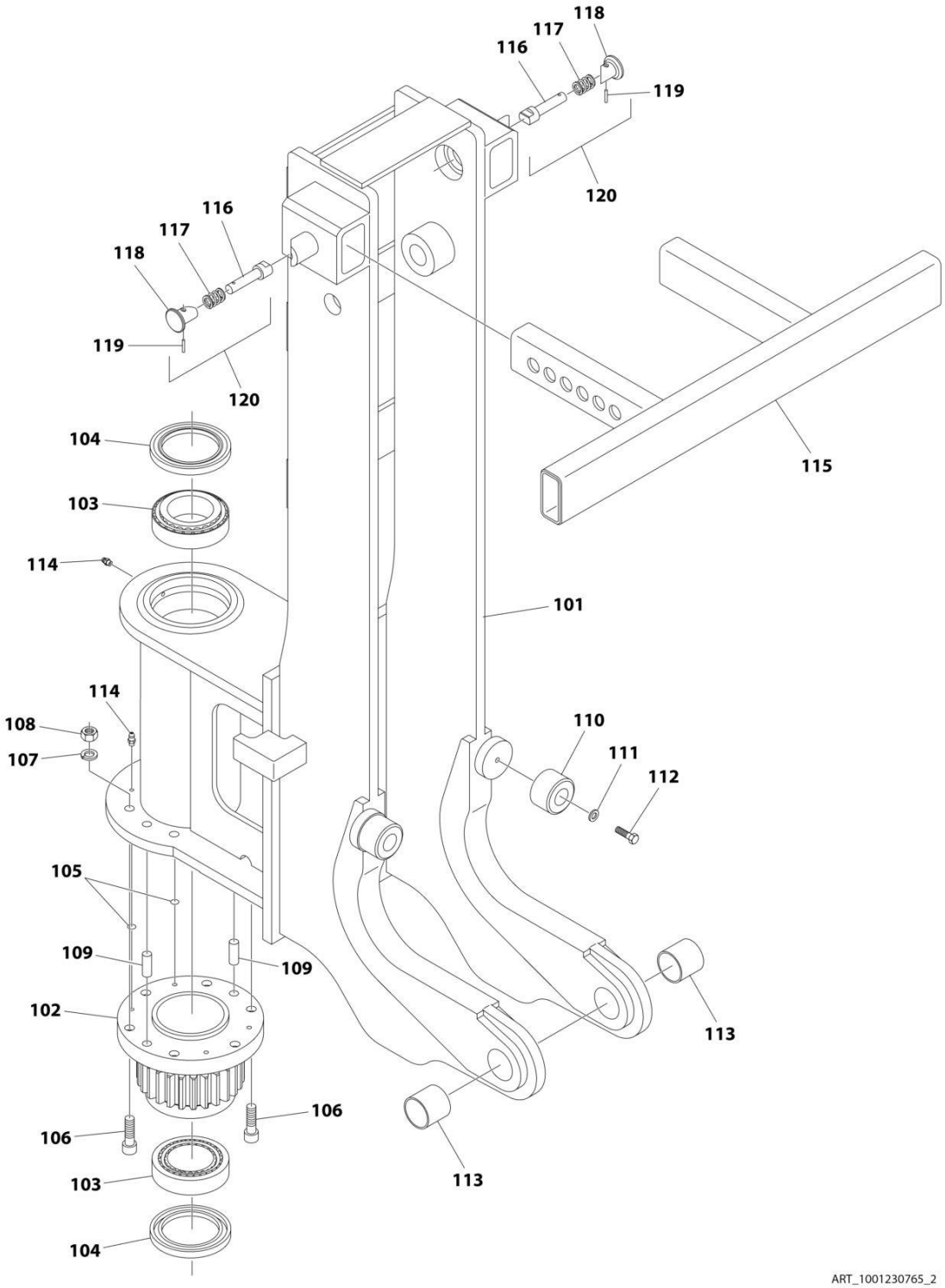


FIGURE 3-34. CARRIAGE ASSEMBLY - DRYWALL PIVOT FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230765	Ref	Drywall - Pivot Frame Group	
101	70029632	1	Pivot Frame	
102	70029633	1	Pinion Gear	
103	70029634	2	Bearing	
104	70029635	2	Shaft Seal	
105	70029636	2	O-Ring	
106	70024684	6	Screw	
107	70029637	6	Lockwasher	
108	70029638	6	Nut	
109	70029639	2	Dowel Pin	
110	70029640	2	Bumper	
111	70024721	2	Washer, M8	
112	70029641	2	Screw	
113	70029642	2	Bearing	
114	70024679	3	Grease Fitting	
115	70029643	1	Load Support	
116	70028154	1	Pin	
117	70028155	1	Spring	
118	70024759	1	Knob	
119	70024761	1	Spring Pin	
120	70028153	2	Pin Kit (includes Items 116 thru 119)	

FIGURE 3-35. CARRIAGE ASSEMBLY - DRYWALL CYLINDER

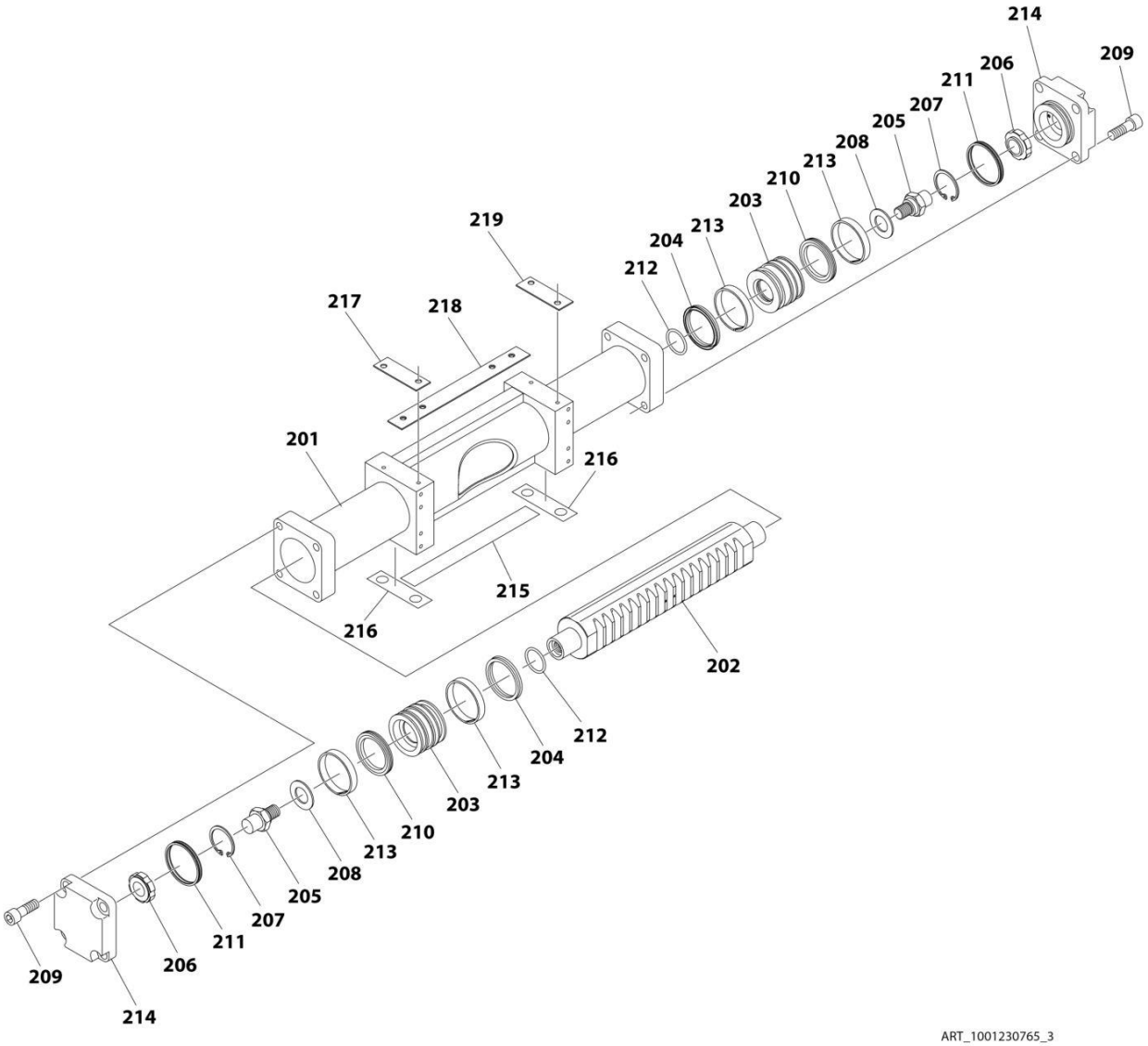


FIGURE 3-35. CARRIAGE ASSEMBLY - DRYWALL CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230765	Ref	Drywall - Cylinder	
201	N.S.S.	1	Barrel	
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
202	70029644	1	Rod	
203	70029645	3	Piston	
204	70029646	2	Wiper	
205	70029681	2	Cushion Spear	
206	70029682	2	Cushion	
207	70029683	2	Retaining Ring	
208	70029684	2	Washer	
209	70029685	8	Screw	
210	70029686	2	Piston Seal	
211	70029687	2	Dual Seal	
212	70029688	2	O-Ring	
213	70029689	4	Wear Ring	
214	70029690	2	End Cap	
215	70029691	1	Gasket Tape	
216	70029692	2	Gasket Tape	
217	70029693	1	Gasket, RH	
218	70029694	1	Gasket, Rear	
219	70029695	1	Gasket, LH	

FIGURE 3-36. CARRIAGE ASSEMBLY - DRYWALL HYDRAULICS

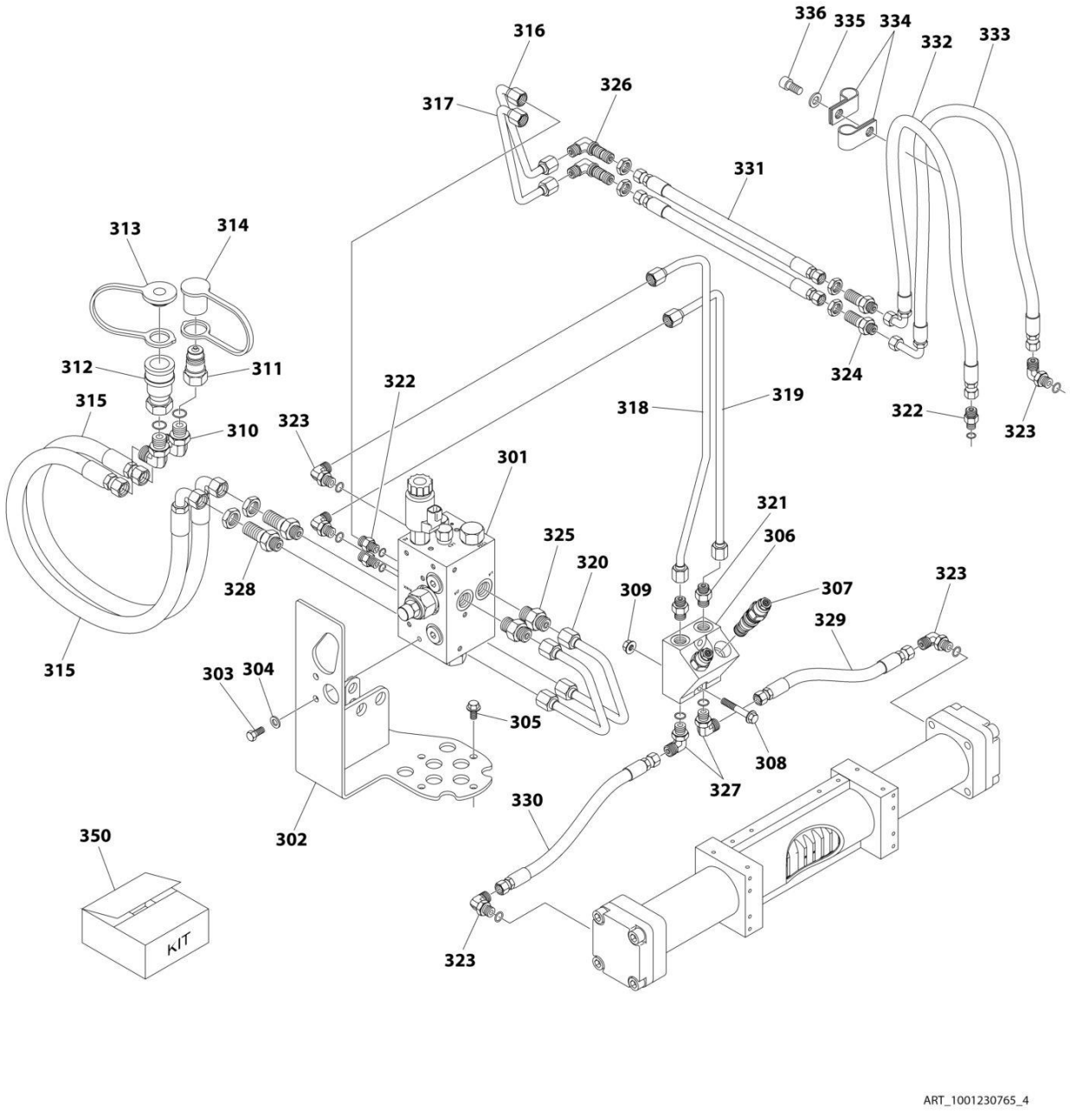


FIGURE 3-36. CARRIAGE ASSEMBLY - DRYWALL HYDRAULICS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230765	Ref	Drywall - Hydraulic Group	
301	70029595	1	Valve Assembly	
302	70029659	1	Valve Mounting Bracket	
303	70028130	2	Screw	
304	70024721	2	Washer	
305	70029660	4	Bolt	
306	70029661	1	Inline Valve Body	
307	70029662	2	Cartridge, Counterbalance	
308	70029663	2	Screw	
309	70029664	2	Nut	
310	70024127	2	Adapter	
311	91403414	1	Quick Disconnect, Male	
312	91403413	1	Quick Disconnect, Female	
313	8420055	1	Dust Cap	
314	8420053	1	Dust Plug	
315	70029665	2	Hose 30in (Boom Front Disconnect)	
315	70031447	2	Hose 42in (Boom Side Disconnect)	
316	70029666	1	Tube	
317	70029667	1	Tube	
318	70029668	1	Tube	
319	70029669	1	Tube	
320	70029670	2	Tube	
321	70029671	2	Fitting	
322	70029672	3	Fitting	
323	70029673	5	Fitting	
324	70028768	2	Fitting	
325	70029674	2	Fitting	
326	70029675	2	Fitting	
327	70028661	2	Fitting	
328	70023000	2	Bulkhead Union Elbow	
329	70029676	1	Hose, 310 mm	
330	70029677	1	Hose, 255 mm	
331	70029678	2	Hose, 340 mm	
332	70029679	1	Hose, 800 mm	
333	70029680	1	Hose, 805 mm	
334	70026481	2	Hose Clamp	
335	70026482	1	Washer	
336	70028672	1	Screw	
350	70031440	1	Disconnect Hose Kit (Boom Front Disconnect) (Includes Items 310-315)	
350	70031441	1	Disconnect Hose Kit (Boom Side Disconnect) (Includes Items 310-315)	

FIGURE 3-37. CARRIAGE ASSEMBLY - DRYWALL VALVE ASSEMBLY

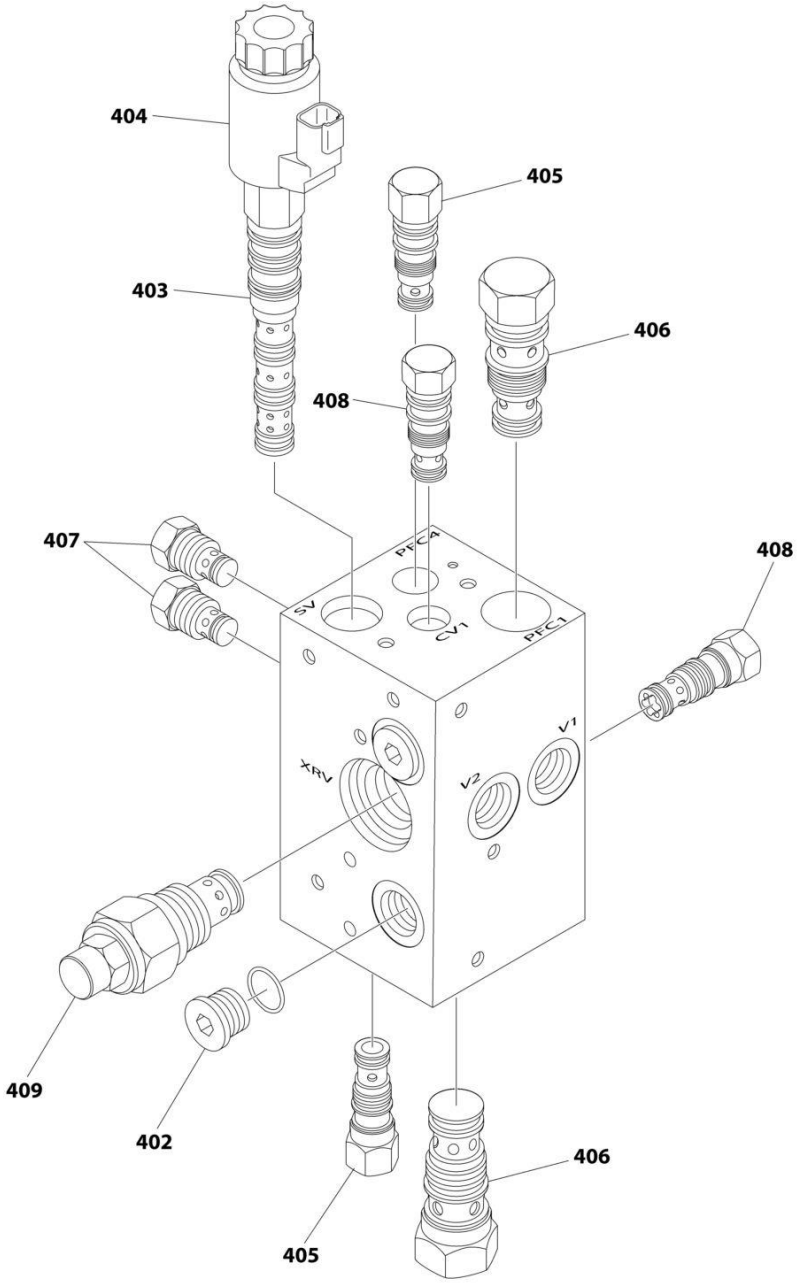


FIGURE 3-37. CARRIAGE ASSEMBLY - DRYWALL VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230765	Ref	Drywall - Valve Assembly	
402	70028119	2	Plug	
403	70029596	1	Cartridge, Directional Control	
404	70029597	1	Coil, 12V	
405	70029598	2	Cartridge, Flow Control	
406	70029599	2	Cartridge, Flow Control	
407	70029600	2	Cartridge, Check	
408	70029601	2	Cartridge, Check	
409	70029602	1	Cartridge, Pressure Control	

FIGURE 3-38. CARRIAGE ASSEMBLY - DRYWALL CYLINDER

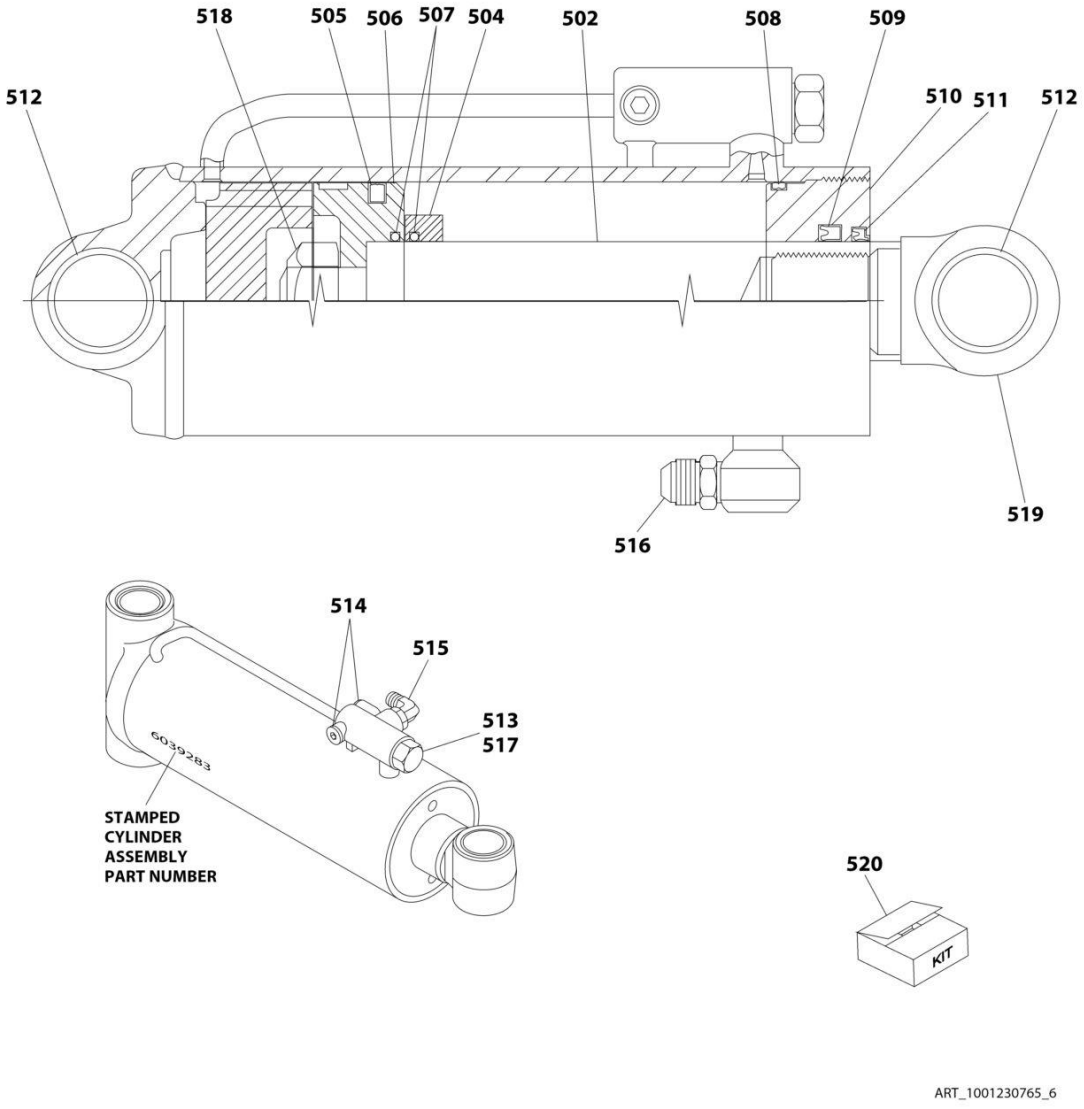


FIGURE 3-38. CARRIAGE ASSEMBLY - DRYWALL CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230765	Ref	Drywall - Cylinder	
502	70029593	1	Rod Assembly (Includes Item 512 & 519)	
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
504	70029603	1	Spacer, Piston	
505	N.S.S.	1	Piston Seal	
506	70029594	1	Piston	
507	N.S.S.	2	O-Ring	
508	N.S.S.	1	Dual Seal	
509	N.S.S.	1	Rod Seal	
510	70029604	1	Retainer	
511	N.S.S.	1	Rod Wiper	
512	70029605	2	Bushing	
513	70024733	1	Valve, Check	
514	70024129	2	Fitting	
515	70029606	1	Fitting	
516	70029607	1	Fitting	
517	70024734	1	Check Valve Service Kit	
518	70026503	1	Nut	
519	70029647	1	Rod End	
520	70029592	1	Service Kit, Cylinder (Includes Items 505, 507 thru 511)	

FIGURE 3-39. CARRIAGE ASSEMBLY - DRYWALL FORKS

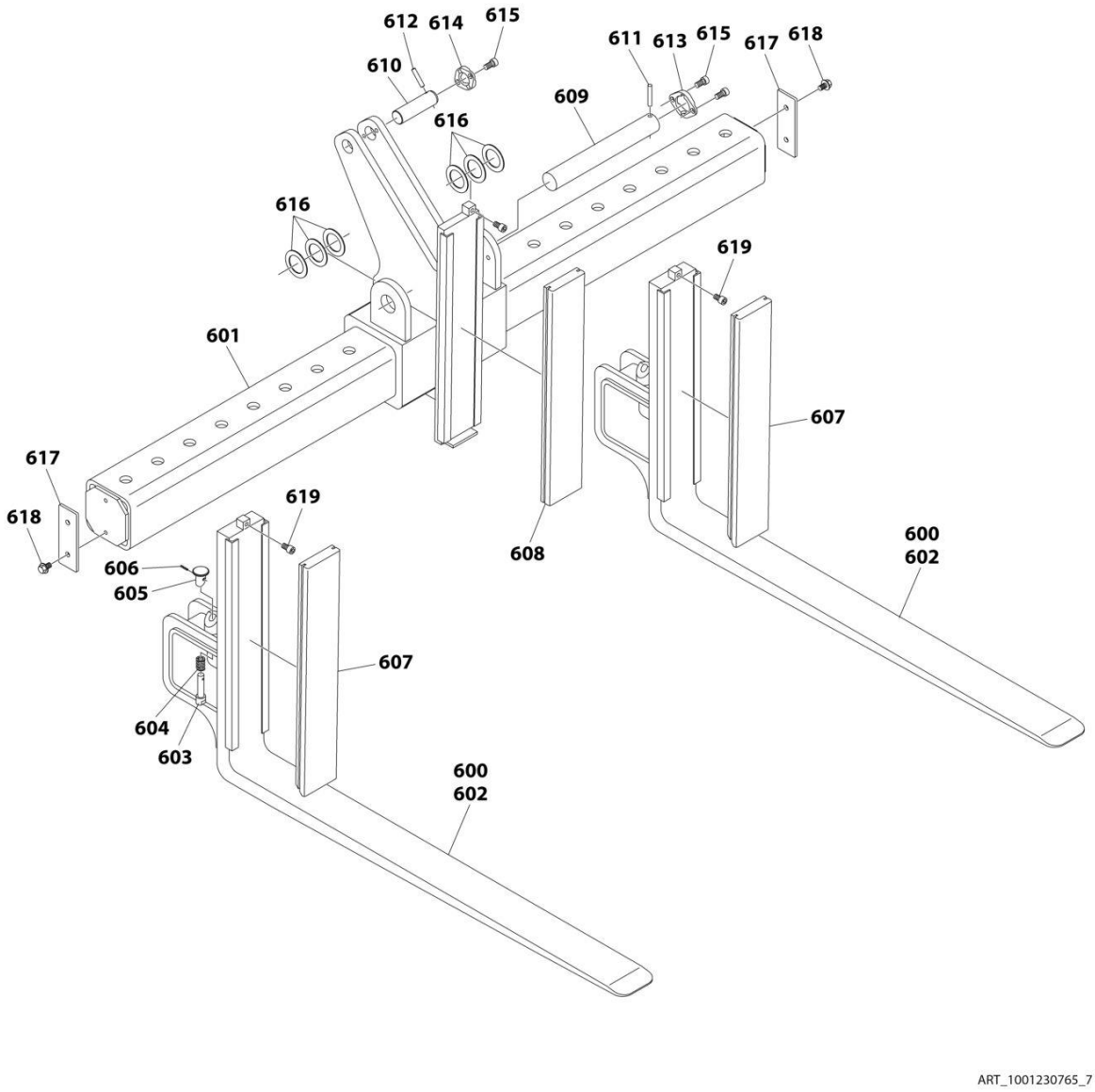


FIGURE 3-39. CARRIAGE ASSEMBLY - DRYWALL FORKS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230765	Ref	Drywall - Fork Group	
600	70029649	2	Fork Assembly	
601	70029650	1	Fork Mount Assembly	
602	70029651	1	Fork	
	70028153	1	Pin Kit (includes Items 603 thru 606)	
603	70028154	1	Pin	
604	70028155	1	Spring	
605	70024759	1	Knob	
606	70024761	1	Spring Pin	
607	70029652	2	Bumper	
608	70029653	1	Bumper	
609	70029654	1	Pin	
610	70029655	1	Pin	
611	70028706	1	Pin	
612	70028703	1	Pin	
613	70028707	1	Retainer	
614	70028702	1	Retainer	
615	70028701	4	Bolt	
616	70028708	6	Shim	
617	70029656	2	Retainer	
618	70029657	4	Screw	
619	70029658	3	Screw	

FIGURE 3-40. FORK 2X2X48 / 1940# CAPACITY

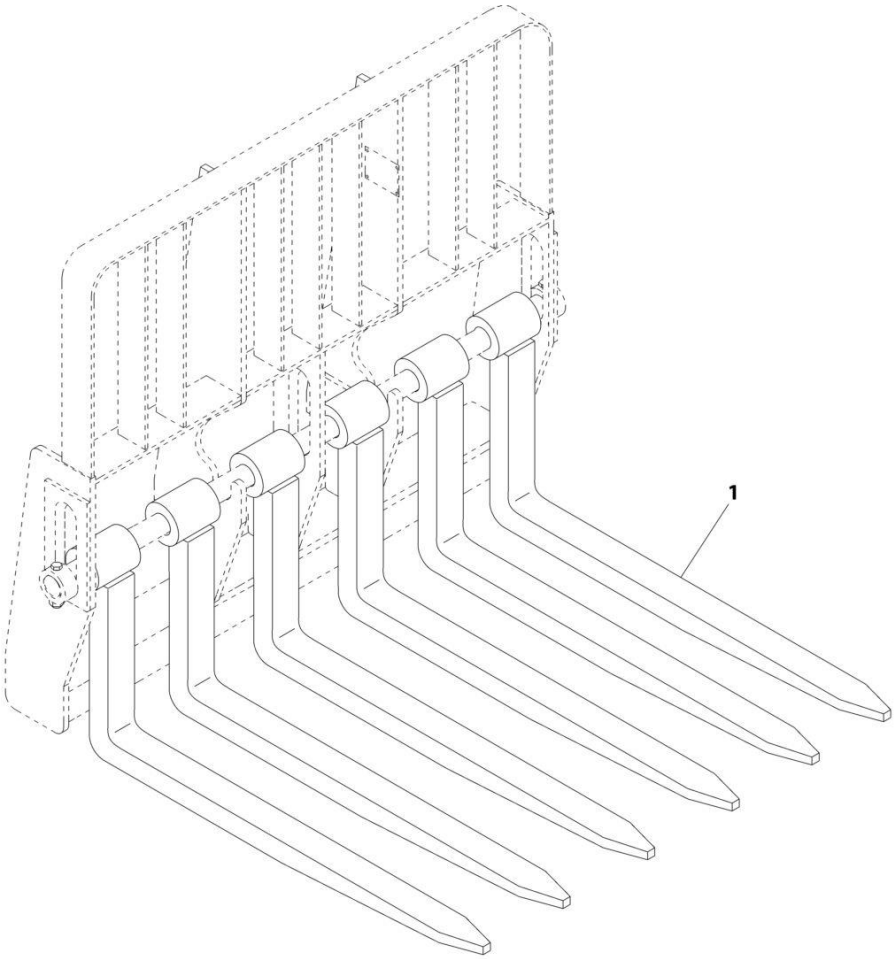


FIGURE 3-40. FORK 2X2X48 / 1940# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2340037	1	Cubing Fork (2.00X2X48)	A
	Note	Ref	**FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.**	
	Note	Ref	**PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.**	

FIGURE 3-41. FORK 2.36X4X48 / 5000# CAPACITY

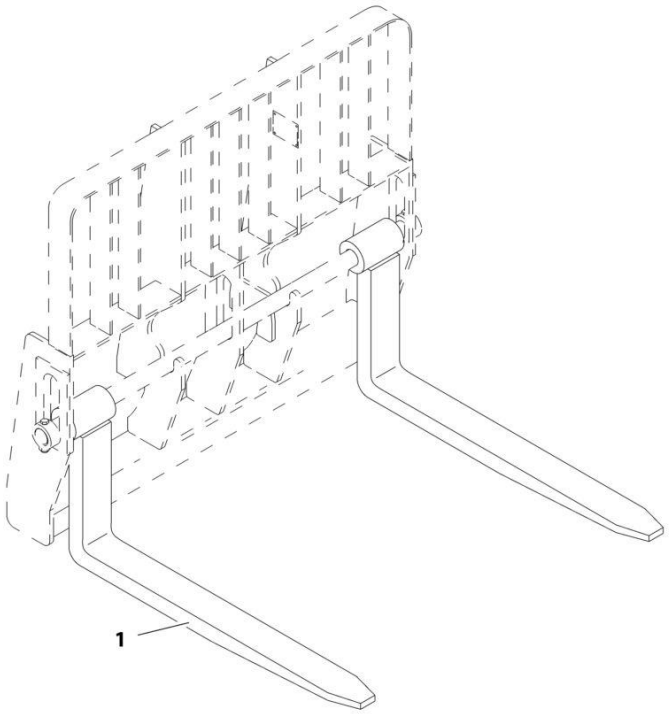


FIGURE 3-41. FORK 2.36X4X48 / 5000# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2340045	2	Pallet Fork (2.36X4X48)	
	Note	Ref	**FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.**	
	Note	Ref	**PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.**	

FIGURE 3-42. FORK 2.36X4X48 / 5475# CAPACITY

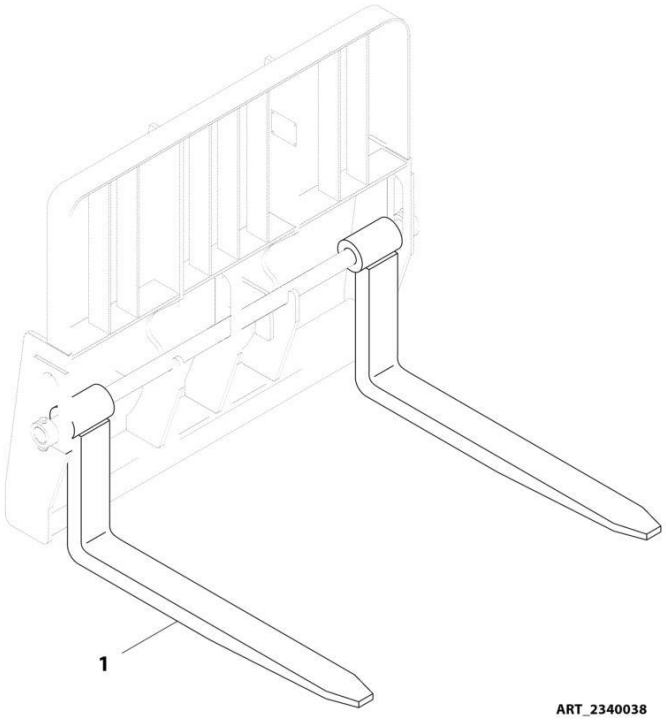


FIGURE 3-42. FORK 2.36X4X48 / 5475# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2340038	2	Pallet Fork (2.36X5X48)	B
	Note	Ref	**FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.**	
	Note	Ref	**PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.**	

FIGURE 3-43. FORK 2.00X6X48 / 6005# CAPACITY

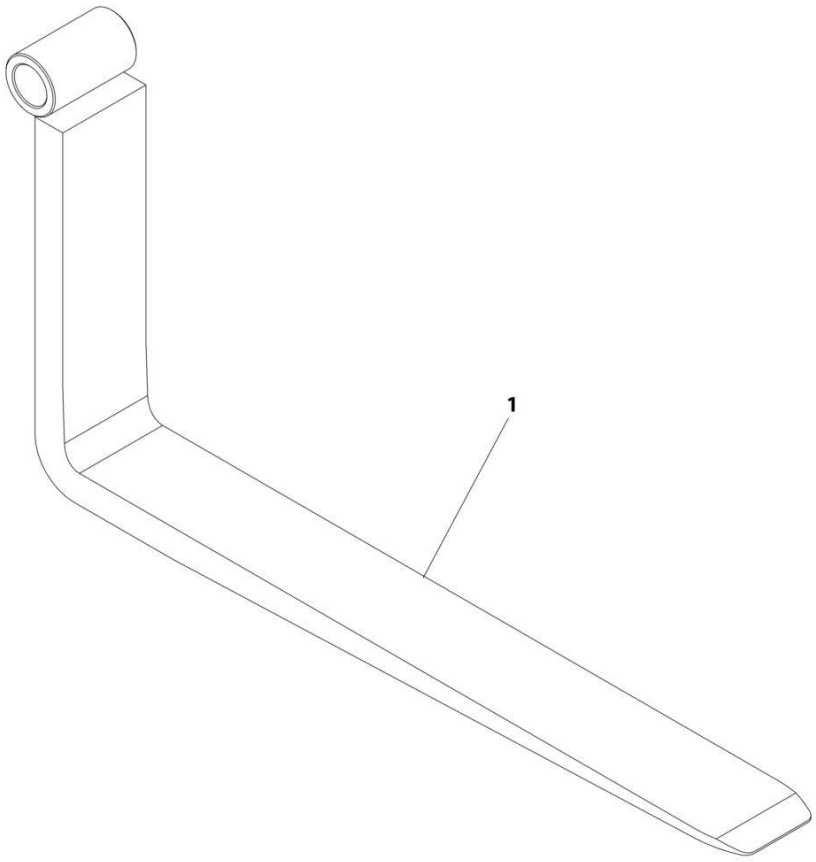


FIGURE 3-43. FORK 2.00X6X48 / 6005# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001258605	2	Fork - Pallet (2.00X6X48)	A
N1	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
N2	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

FIGURE 3-44. FORK 2.36X5X48 / 6850# CAPACITY

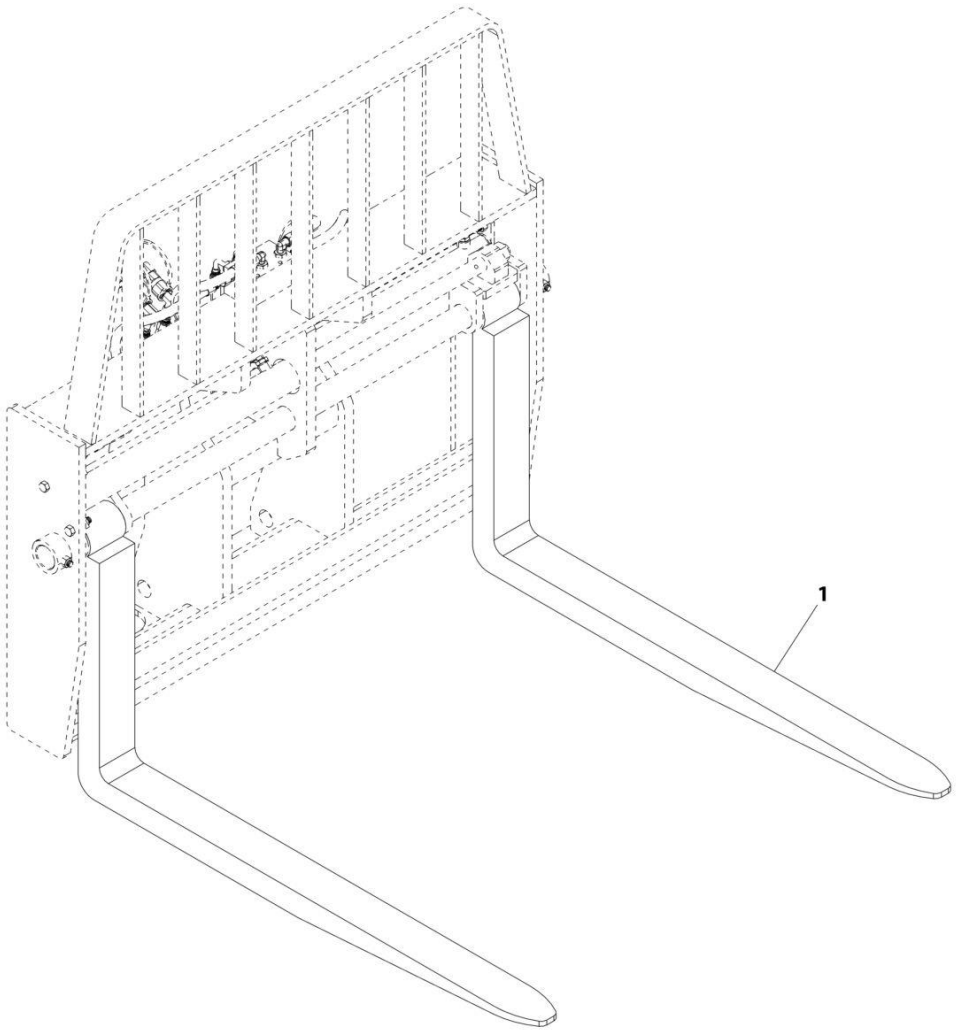


FIGURE 3-44. FORK 2.36X5X48 / 6850# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	7301408	2	Pallet Fork (2.36X4X48)	D
N1	Note	Ref	**FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.**	
N2	Note	Ref	**PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.**	

FIGURE 3-45. FORK 2.36X4X60 / 5000# CAPACITY

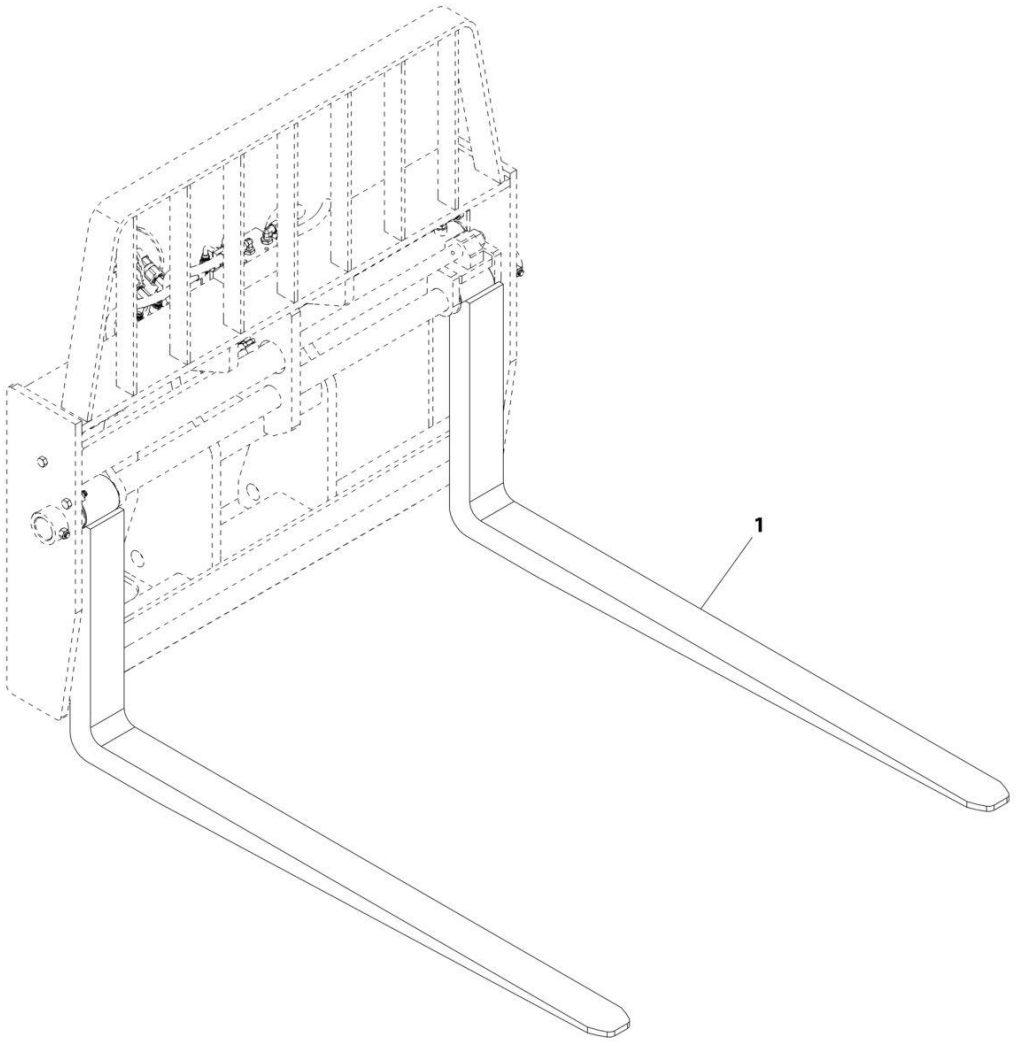


FIGURE 3-45. FORK 2.36X4X60 / 5000# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001227379	2	Pallet Fork (2.36X4X60)	A
N1	Note	Ref	**FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.**	
N2	Note	Ref	**PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.**	

FIGURE 3-46. FORK 2.36X5X60 / 6850# CAPACITY

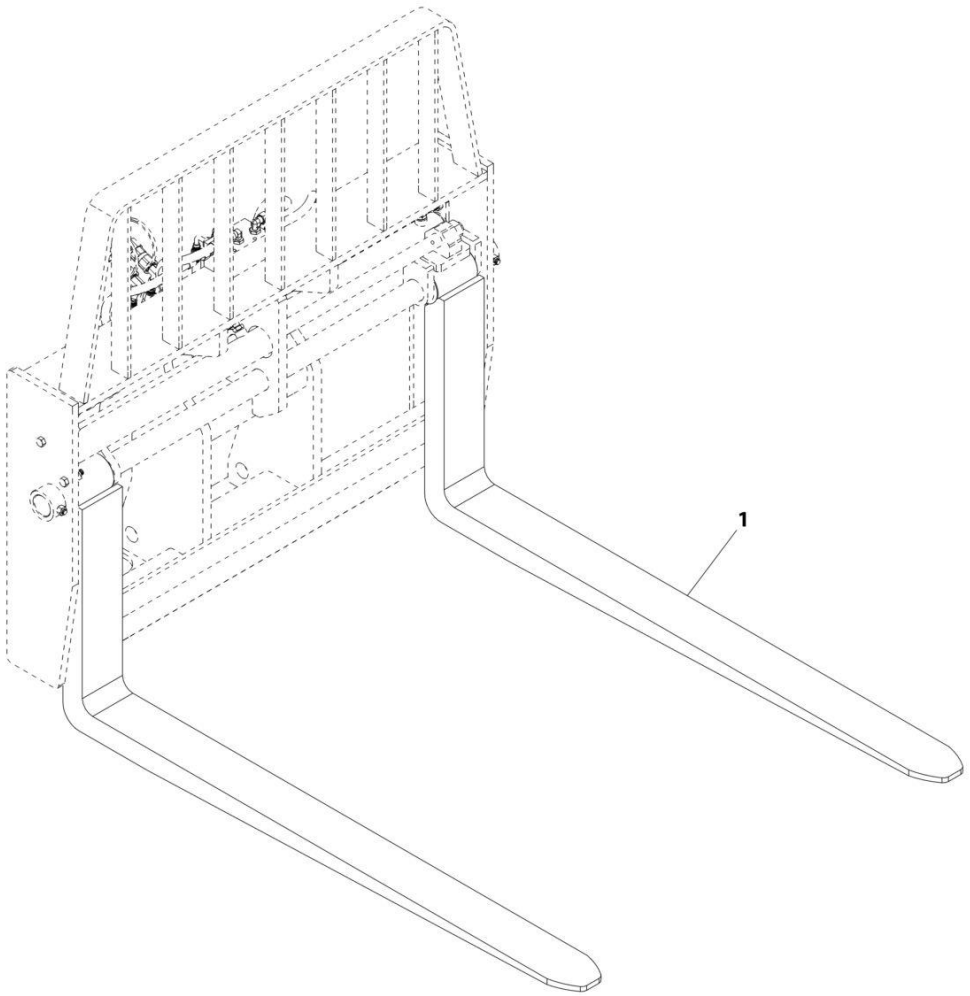


FIGURE 3-46. FORK 2.36X5X60 / 6850# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001227382	1	Pallet Fork (2.36X5X60)	A
N1	Note	Ref	**FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.**	
N2	Note	Ref	**PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.**	

FIGURE 3-47. FORK 2.36X6X60 / 8150# CAPACITY

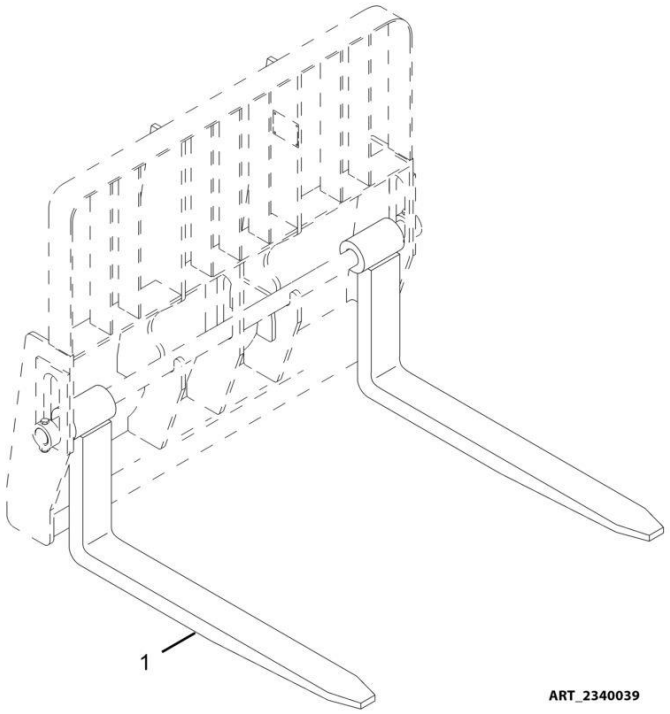


FIGURE 3-47. FORK 2.36X6X60 / 8150# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	2340039	2	Lumber Fork (60X150X1524)	
	Note	Ref	**FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.**	
	Note	Ref	**PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.**	

FIGURE 3-48. FORK 2.00X6X72 / 6610# CAPACITY

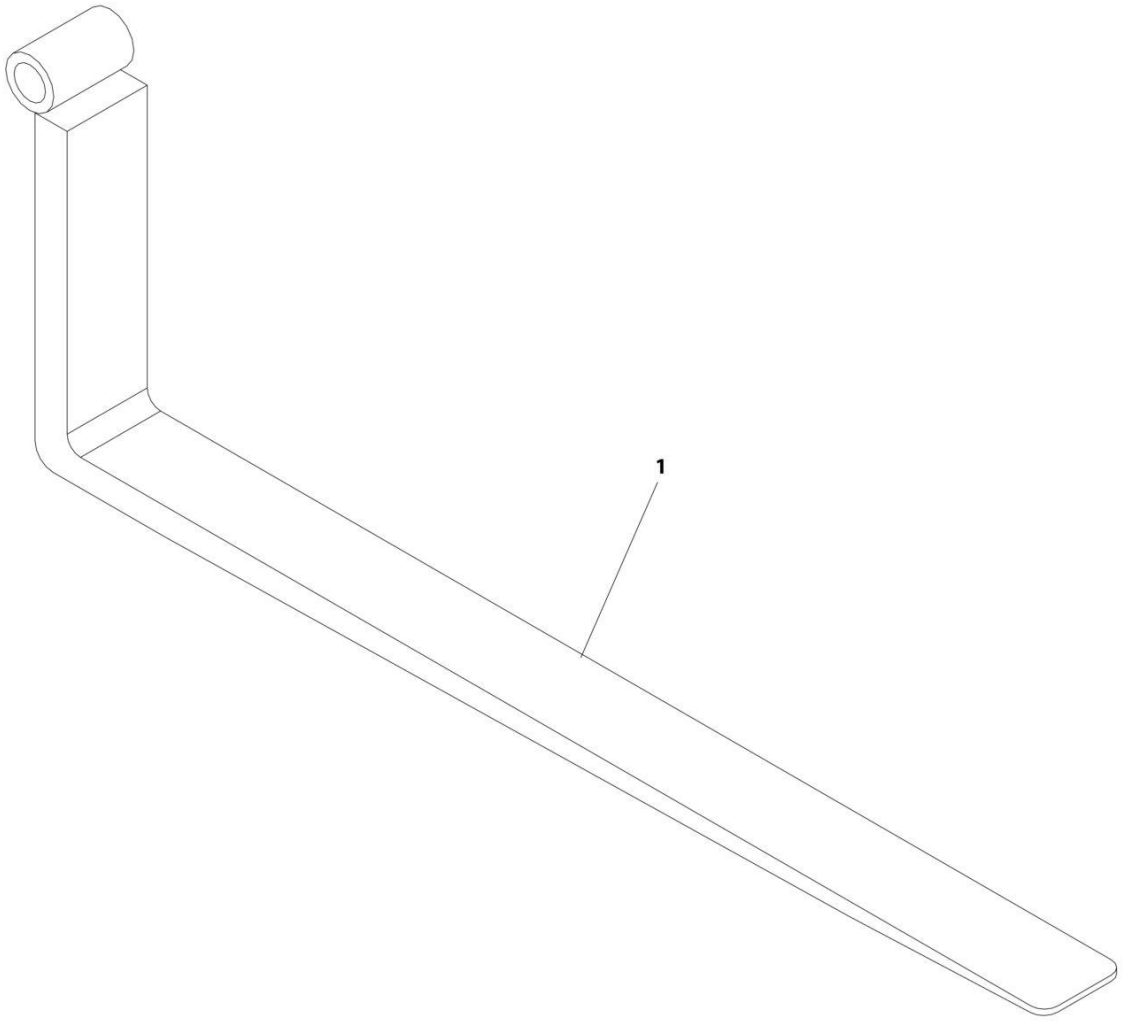


FIGURE 3-48. FORK 2.00X6X72 / 6610# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001259206	2	Dual Taper Fork (2.00X6X72)	A
	Note	Ref	FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.	
	Note	Ref	PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.	

FIGURE 3-49. FORK 2.36X5X72 / 6850# CAPACITY

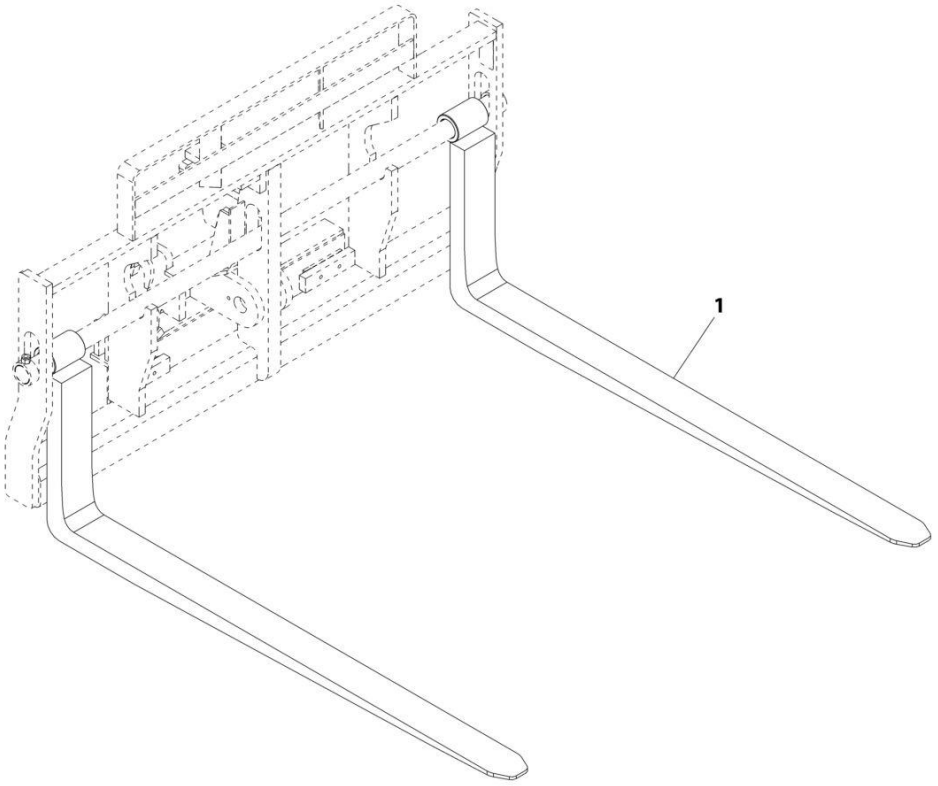


FIGURE 3-49. FORK 2.36X5X72 / 6850# CAPACITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232355	1 pr	Pallet Fork (2.36X5X72)	A
	Note	Ref	**FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.**	
	Note	Ref	**PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.**	

FIGURE 3-50. FORK 40X150X1540

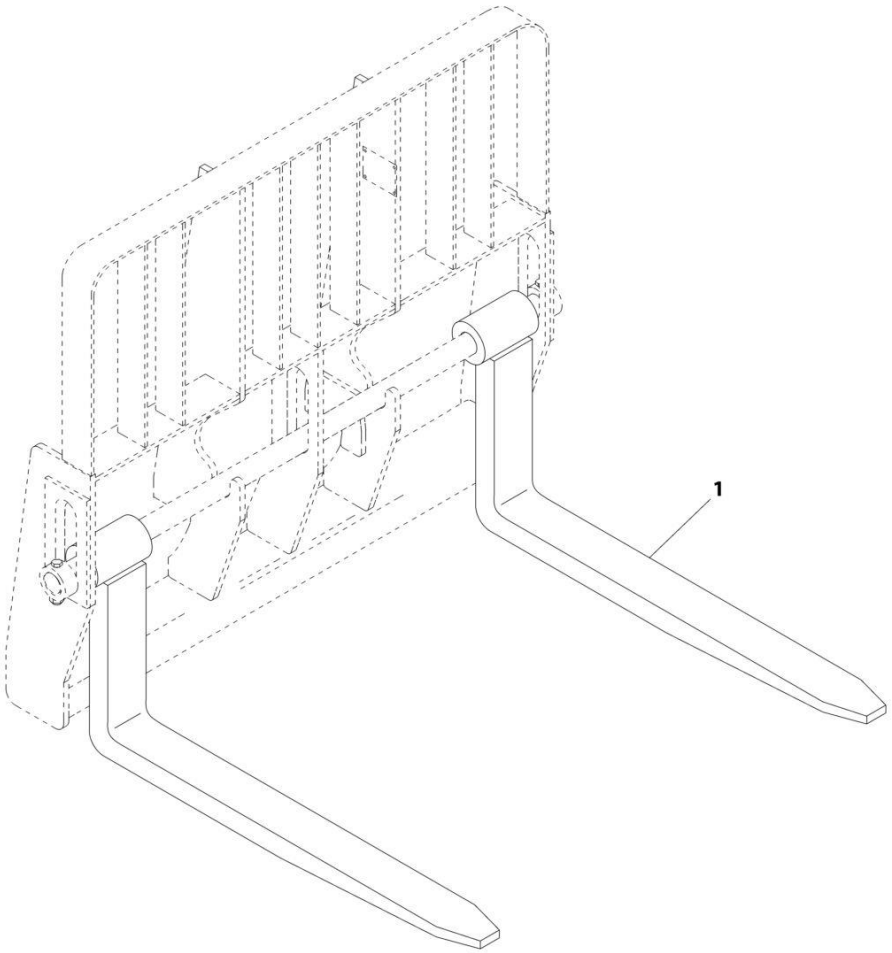


FIGURE 3-50. FORK 40X150X1540

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001099457	2	Lumber Fork (1.5X6X60)	C
	Note	Ref	**FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.**	
	Note	Ref	**PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.**	

FIGURE 3-51. FORK 50X180X1540

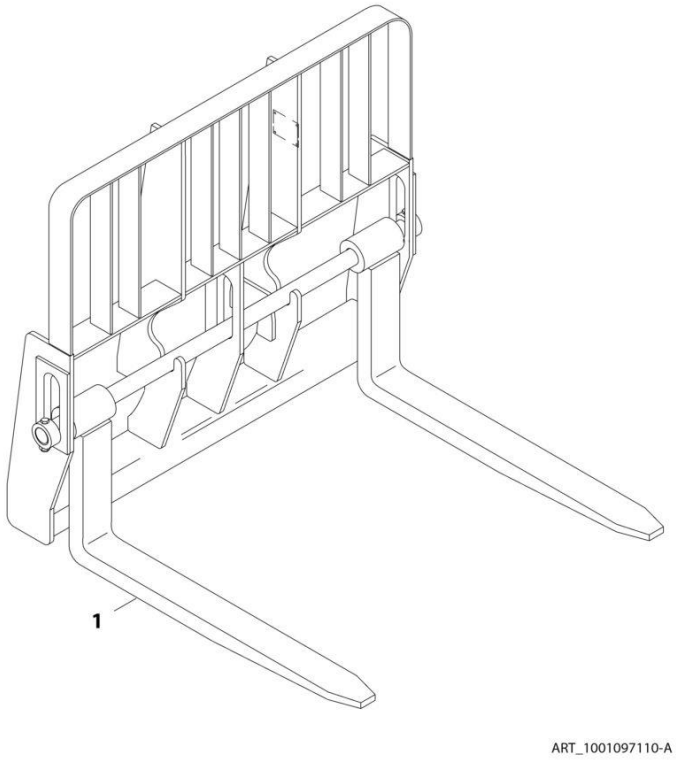


FIGURE 3-51. FORK 50X180X1540

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001097110	2	Lumber Fork (2.00X7X60)	A
	Note	Ref	**FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASES CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.**	
	Note	Ref	**PLEASE CONSULT JLG PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.**	

FIGURE 3-52. FORK EXTENSION - 90IN

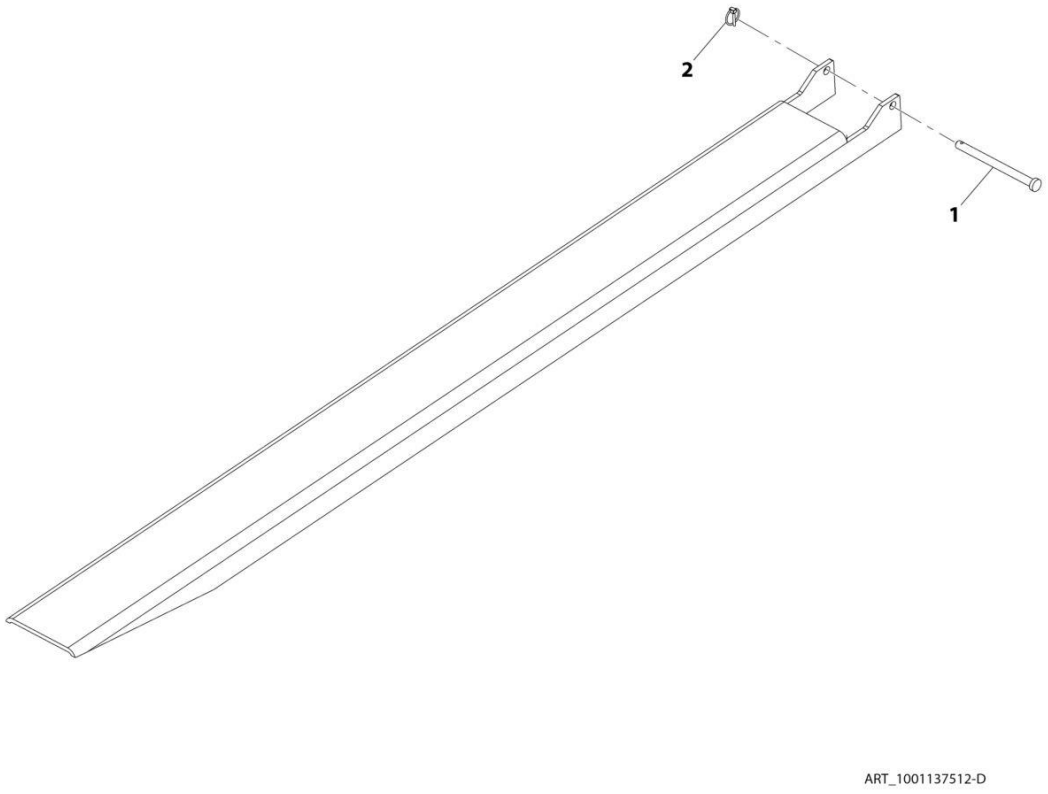


FIGURE 3-52. FORK EXTENSION - 90IN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001137512	2 pr	Fork Extensions (62X163X2286)	D
1	70024306	1	Pin	
2	70024307	1	Clip	

FIGURE 3-53. FORK CLAMPS INSTALLATION

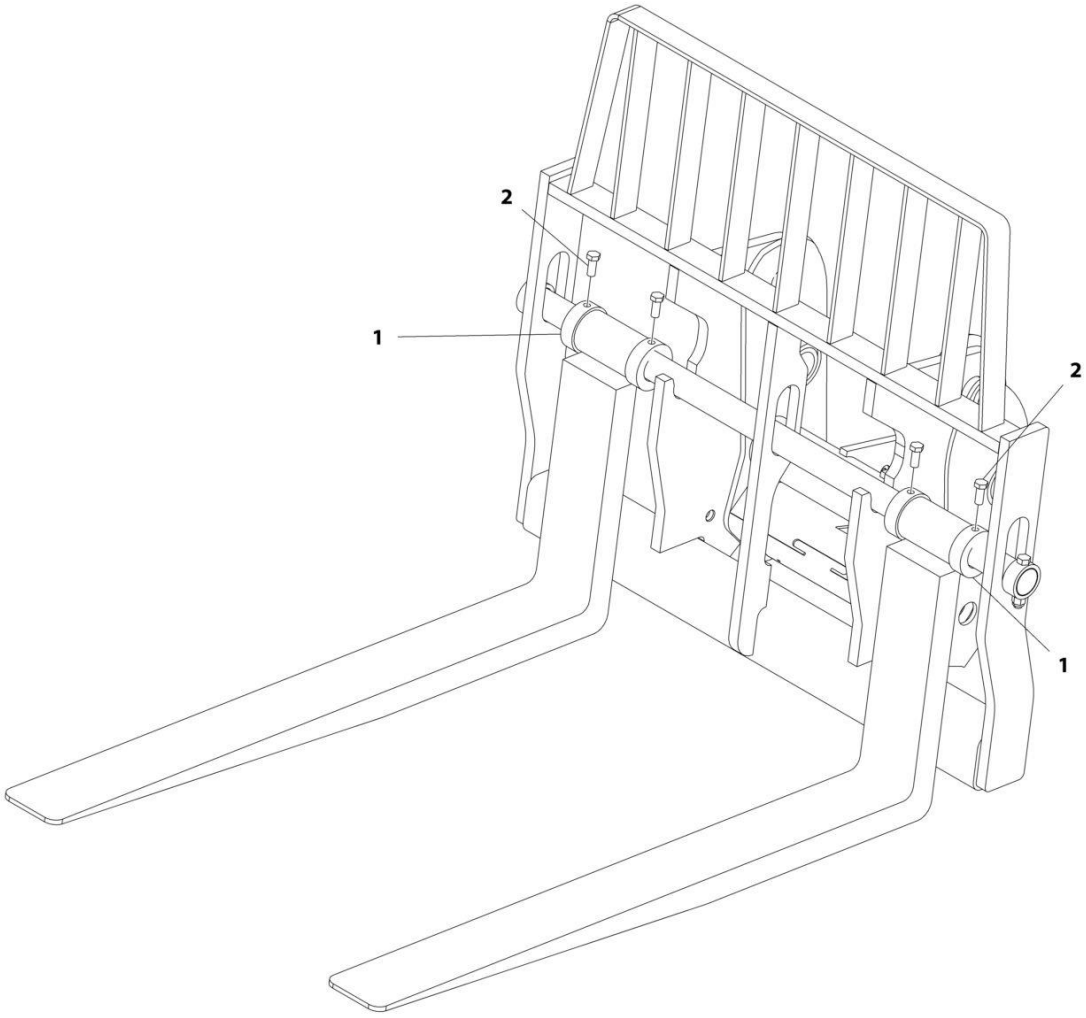


FIGURE 3-53. FORK CLAMPS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001094134	Ref	Fork Clamps Installation	A
1	1001094136	4	Clamp, Fork	
2	10700681	4	Bolt, 0.625-18X1.5	

FIGURE 3-54. HOOK, COUPLING

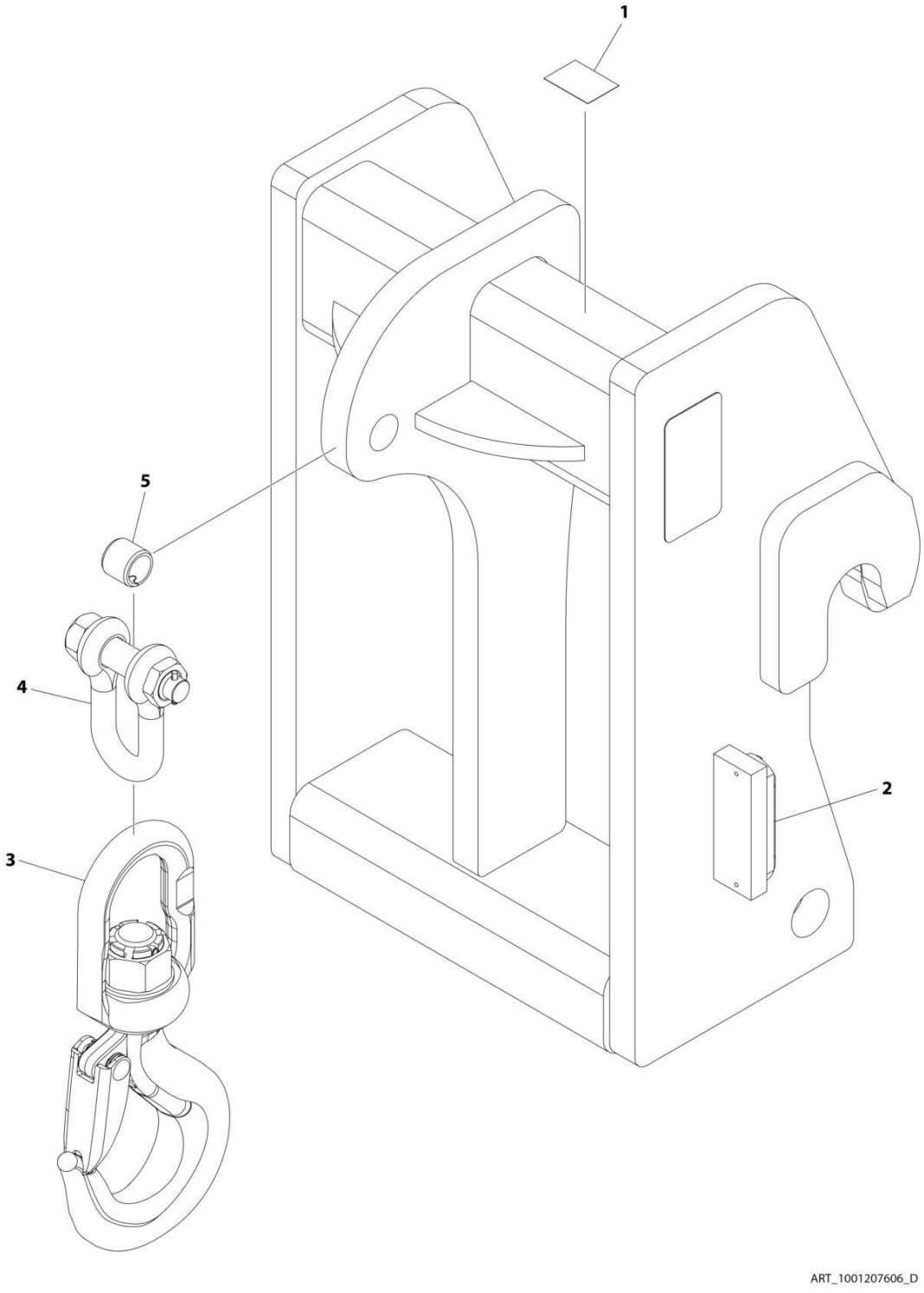


FIGURE 3-54. HOOK, COUPLING

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

FIGURE 3-55. HOOK, CRANE

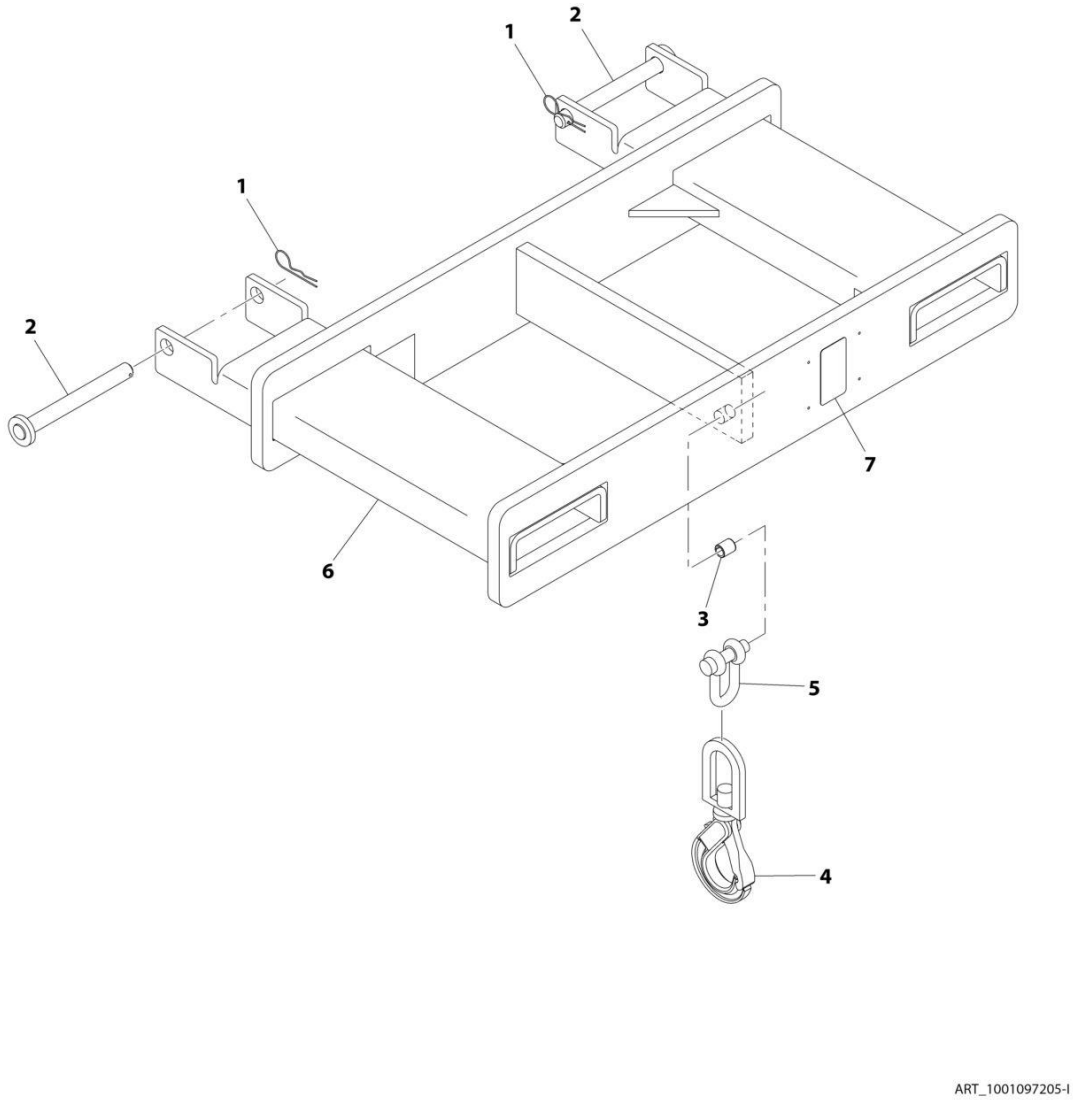
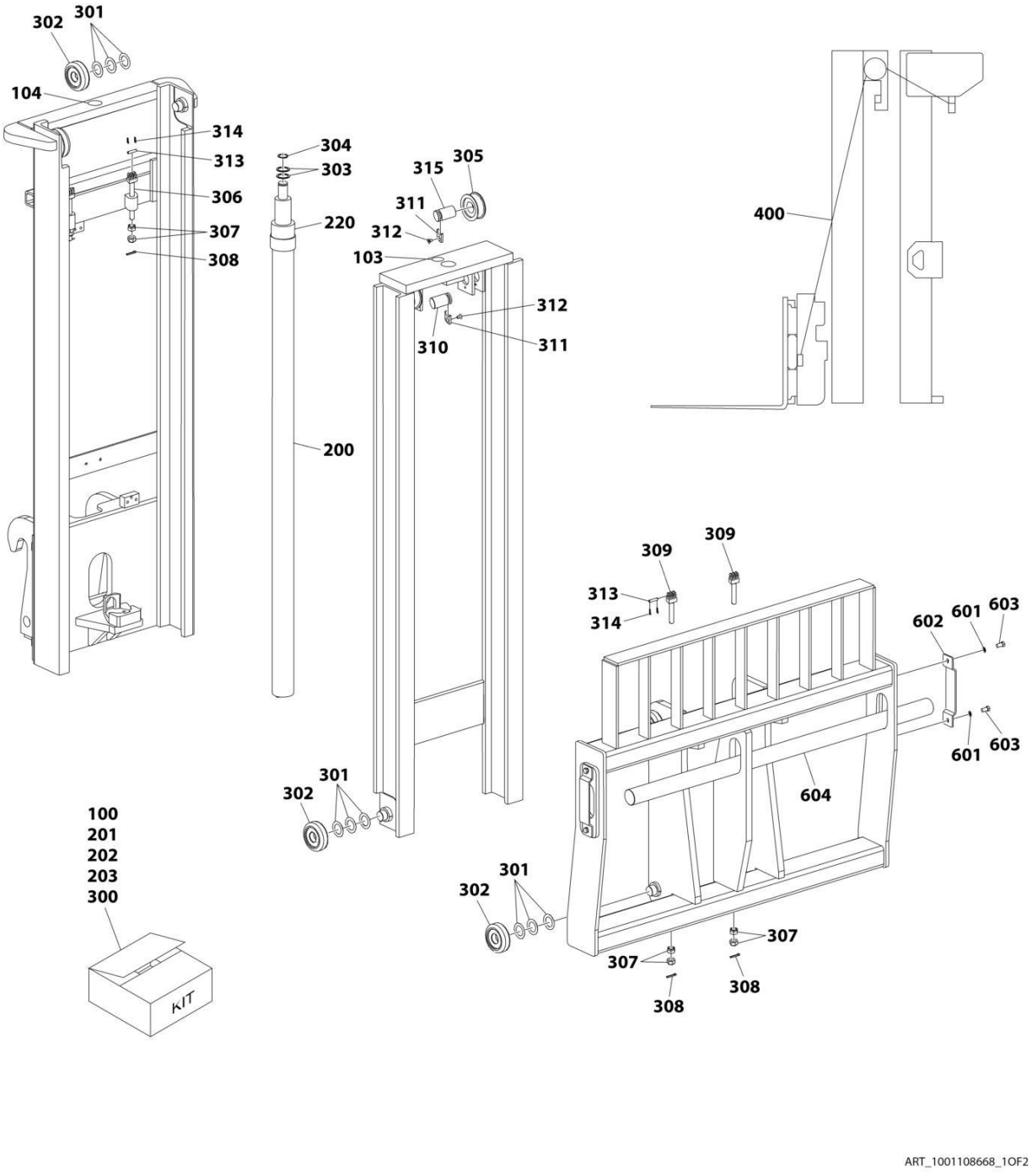


FIGURE 3-55. HOOK, CRANE

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

FIGURE 3-56. MAST, VERTICAL - 8FT (STANDARD)



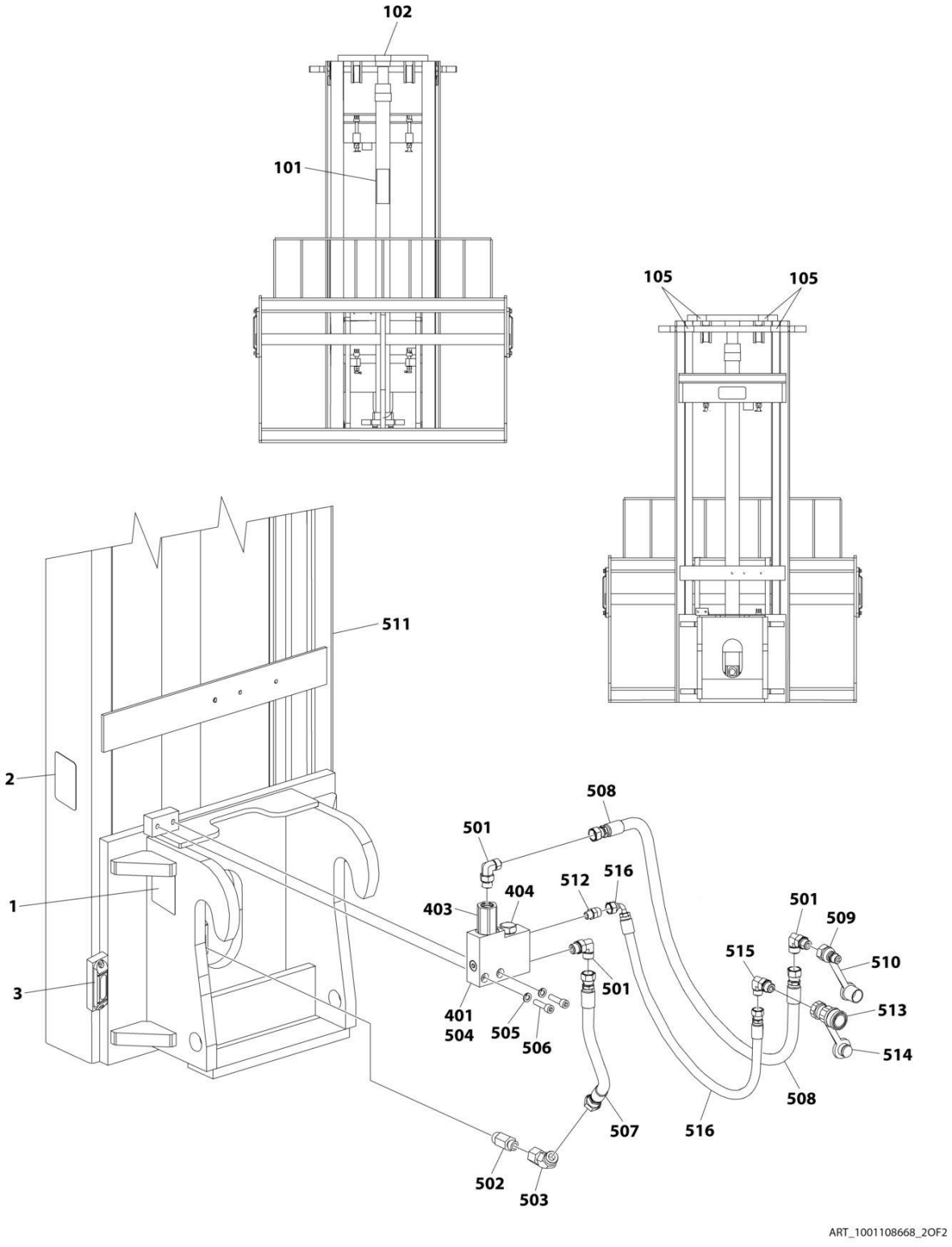
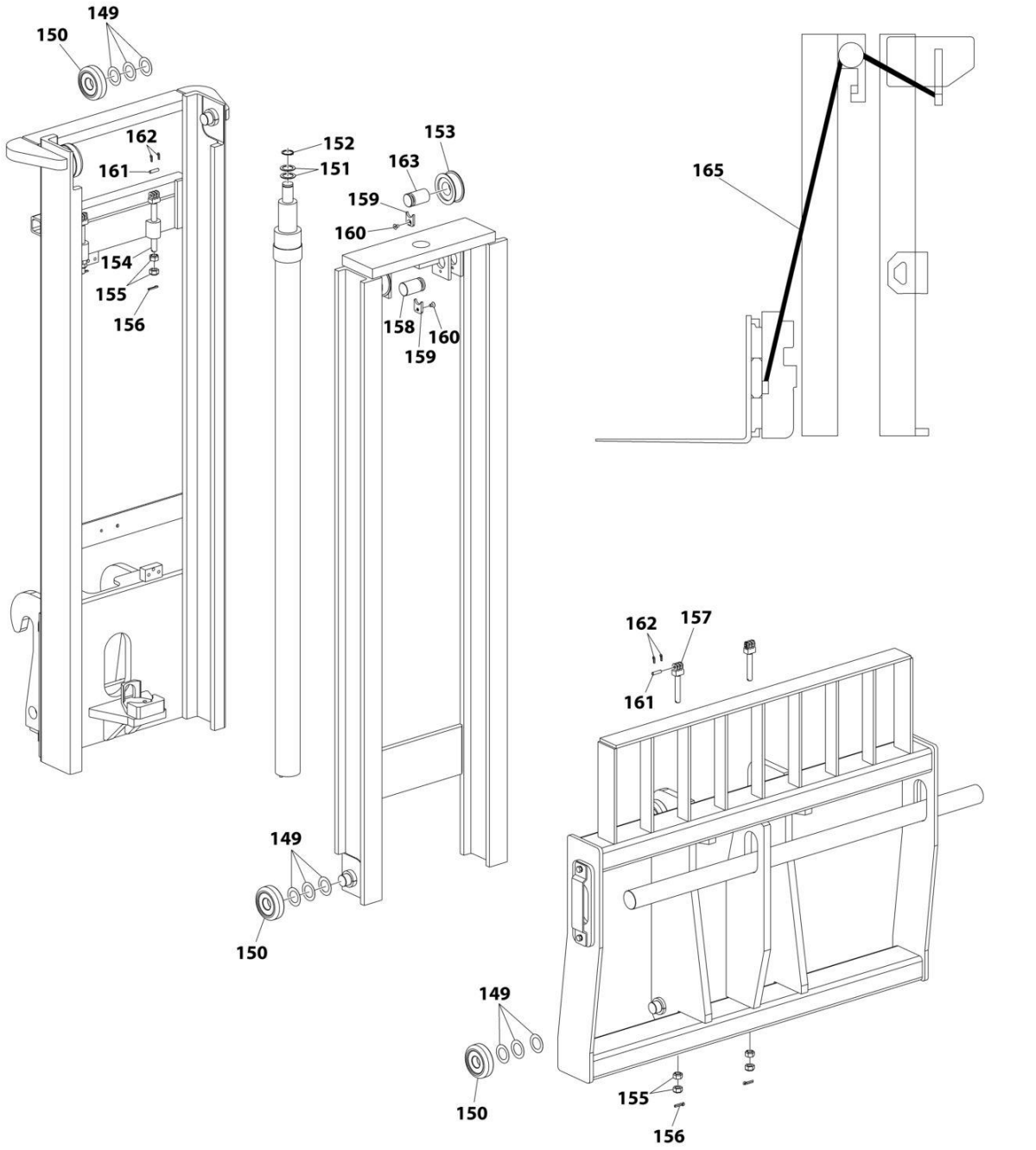

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FIGURE 3-56. MAST, VERTICAL - 8FT (STANDARD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108668	Ref	MAST ASSEMBALY - 8FT	G
1	See Note	NSS	Nameplate, Serial Number (Note: Not Available for Purchase)	
2	1001111190	2	Decal - Warning	
3	1001227670	1	RFID Tag	
100	70023925	1	Decal Kit (includes items 1, Warning, No Step & Hose Routing Decals)	
101	See Note	NSS	Decal, Warning (Use Item 100)	
102	See Note	NSS	Decal, Warning (Use Item 100)	
103	See Note	NSS	Decal, No Step (Use Item 100)	
104	See Note	NSS	Decal, No Step (Use Item 100)	
105	See Note	NSS	Decal, Hands Off (Use Item 100)	
200	70023008	1	Cylinder Assembly - Lift (includes items 201-203 & 220. No Other Service Parts Available)	
201	70023005	1	Seal Kit - 70023008 Cylinder (includes Seals & Seal Retaining Hardware)	
202	70023006	1	Check Valve Kit (includes Mounting O-Rings & Hardware)	
203	70023007	1	Shim Kit (Includes items 303)	
220	70023004	1	Head/Retainer	
300	70023015	1	Mast Kit (includes items 100 & 301-315)	
301	70023014	24	Shim	
302	70022987	8	Bearing, Ball	
303	See Note	NLA	Shim (Note: Use item 203)	
304	70023016	1	Ring, Retaining	
305	70022969	2	Sheave	
306	70022960	2	Anchor, Chain	
307	70022957	8	Nut 5/8	
308	70022993	4	Pin, Cotter	
309	70022995	2	Anchor, Chain	
310	70022984	1	Shaft, Sheave	
311	70022970	2	Bar	
312	70023003	2	Screw	
313	70022994	4	Pin	
314	70022992	8	Pin, Cotter	
315	70022985	1	Shaft, Sheave	
400	70023009	2	Chain, Hoist	
401	70022932	1	Valve Assembly - Lowering Control	
403	70022931	1	Cartridge, Valve	
404	70023010	1	Cartridge, Vavle	
501	70022934	3	Fitting, 90	
502	70022936	1	Fitting, Flow Limiter	
503	70022937	1	Fitting, 45	
504	70022932	1	Valve Assembly - Lowering Control (Note: Duplicate of Item 401 - Only Qty 1 Used)	
505	70022949	2	Washer, M10	
506	70022950	2	Bolt M10	
507	70022942	1	Hose	
508	70022952	1	Hose	
509	91403414	1	Fitting, Quick Disconnect Coupling (Male)	
510	91043126	1	Cap, Dust	
511	70023015	1	Mast Kit (Note: Duplicate of Item 300 - Only Qty 1 Used)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
512	70022939	1	Fitting, Straight	
513	91403413	1	Fitting, Quick Disconnect Coupling (Female)	
514	91043125	1	Cap, Dust	
515	70022935	1	Fitting, 90	
516	70022946	1	Hose	
601	70022949	4	Washer M10	
602	70022980	2	Keeper, Pin	
603	70022998	4	Bolt M10 x 20	
604	70022990	1	Pin, Fork	

FIGURE 3-57. MAST, VERTICAL - 8FT (SIDE TILT ELECTRIC MAST)



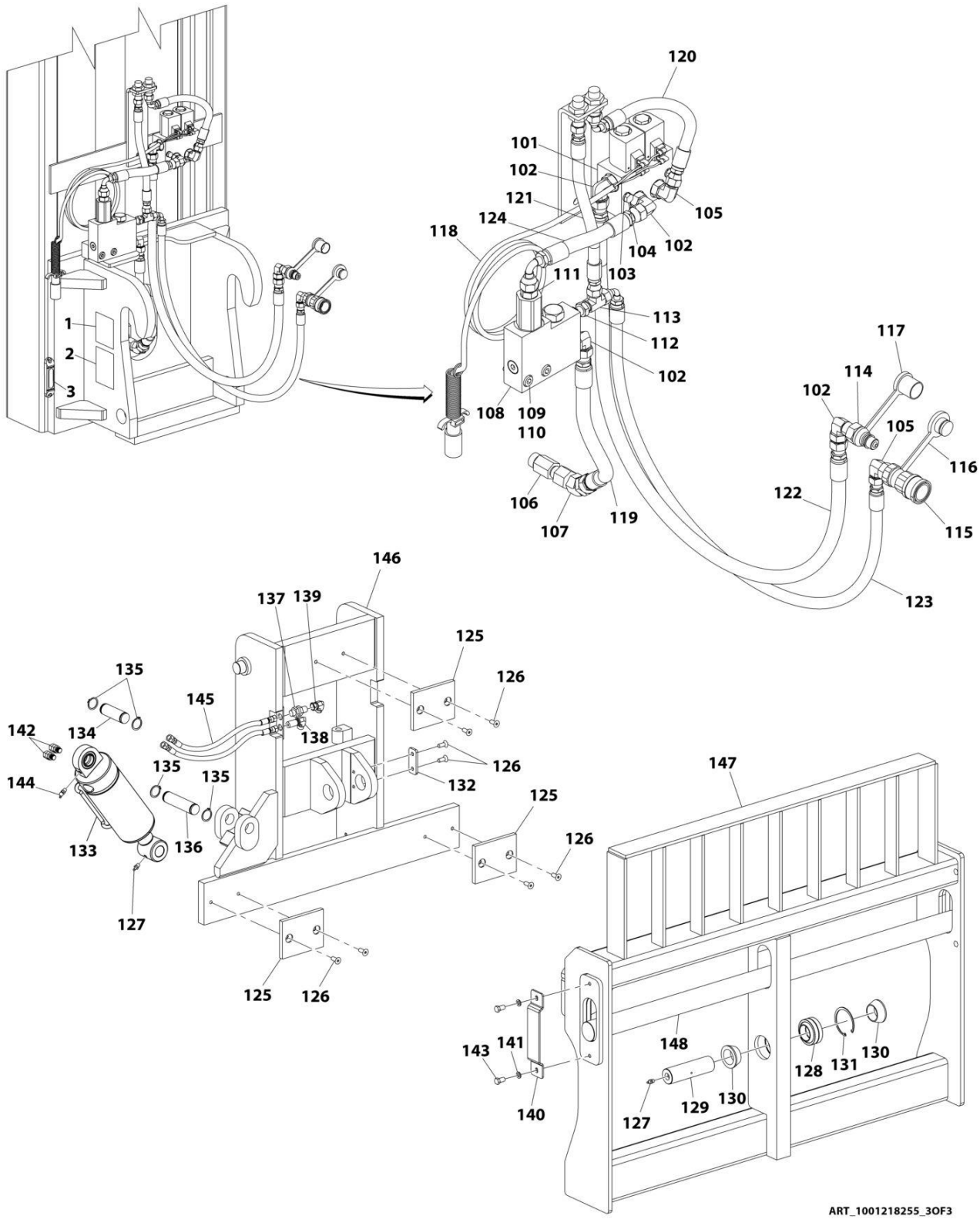

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FIGURE 3-57. MAST, VERTICAL - 8FT (SIDE TILT ELECTRIC MAST)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001218255	Ref	Side Tilt Electric Mast (8 Foot)	F
1	1001111190	2	Decal, Hose Routing	
2	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	
3	1001227670	1	Tag, RFID	
101	70022933	1	Solenoid Valve Bank	
102	70022934	4	Fitting, 90	
103	70022948	2	Washer, Lock M8	
104	70022951	2	Screw, M8X60	
105	70022935	2	Elbow, Straight Thread	
106	70022936	1	Limiter, Flow	
107	70022937	1	Fitting, 45	
108	70022932	1	Assembly, PO Check Valve	
108	N.S.S.	1	Manifold	
108	70022931	1	Cartridge, PO Check Valve	
108	70023010	1	Check, PO	
109	70022949	2	Washer, Lock M10	
110	70022950	2	Bolt	
111	70022938	1	Fitting, Straight	
112	70022939	1	Fitting, Straight	
113	70022940	1	Tee Fitting	
114	91403414	1	Adapter, Male Quick Disconnect	
115	91403413	1	Adapter, Female Quick Disconnect	
116	8420055	1	Cover, Dust	
117	8420053	1	Cover, Dust	
118	70022941	1	Harness	
119	70022942	1	Hose	
120	70022943	1	Hose	
121	70022944	1	Hose	
122	70022945	1	Hose	
123	70022946	1	Hose	
124	70022947	1	Hose	
125	70022972	3	Wear Pad	
126	70022971	8	Capscrew, Flat Head	
127	70023001	2	Grease Fitting	
128	70022975	1	Spherical Bearing	
129	70022973	1	Pivot Shaft	
130	70022974	2	Beveled Spacer	
131	70022988	1	Ring, Retaining	
132	70022976	1	Retainer Plate	
133	2716143	1	Tilt Cylinder	
134	70022977	1	Pin	
135	70023016	4	Ring, Snap	
136	70022978	1	Pin	
137	70023000	1	Fitting	
138	70022999	1	Elbow	
139	70022982	1	Elbow, Straight Thread	
140	70022980	2	Keeper, Fork Pin	
141	70022949	4	Washer, Lock M10	
142	70022939	2	Fitting, Straight	
143	70022998	4	Screw, M10X20	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
144	70022966	1	Grease Fitting 30	
145	70022979	2	Hose	
146	70025353	1	Spine Weldment	
147	N.S.S.	1	Front Frame Weldment	
148	70022990	1	Pin, Fork	
149	70023014	24	Shim	
150	70022987	8	Bearing, Ball	
151	70027951	2	Washer, Shim	
152	70023016	1	Ring, Snap	
153	70022969	2	Assembly, Sheave	
154	70022960	2	Anchor, Chain	
155	70022957	8	Nut, 5/8-18	
156	70022993	4	Pin, Cotter	
157	70022995	2	Anchor, Chain	
158	70022984	1	Shaft, Sheave	
159	70022970	2	Bar, Retainer	
160	70023003	2	Capscrew	
161	70022994	4	Pin, Chain Anchor	
162	70022992	8	Pin, Cotter	
163	70022985	1	Shaft, Sheave	
164	70023925	1	Kit, Decal (Not Shown) (See Separate Breakdown in this Section)	
165	70023009	2	Chain, Lift	
166	70023008	1	Cylinder, Main Lift (Not Shown) (See Separate Breakdown in this Section)	

FIGURE 3-58. MAST, VERTICAL - DECAL KIT

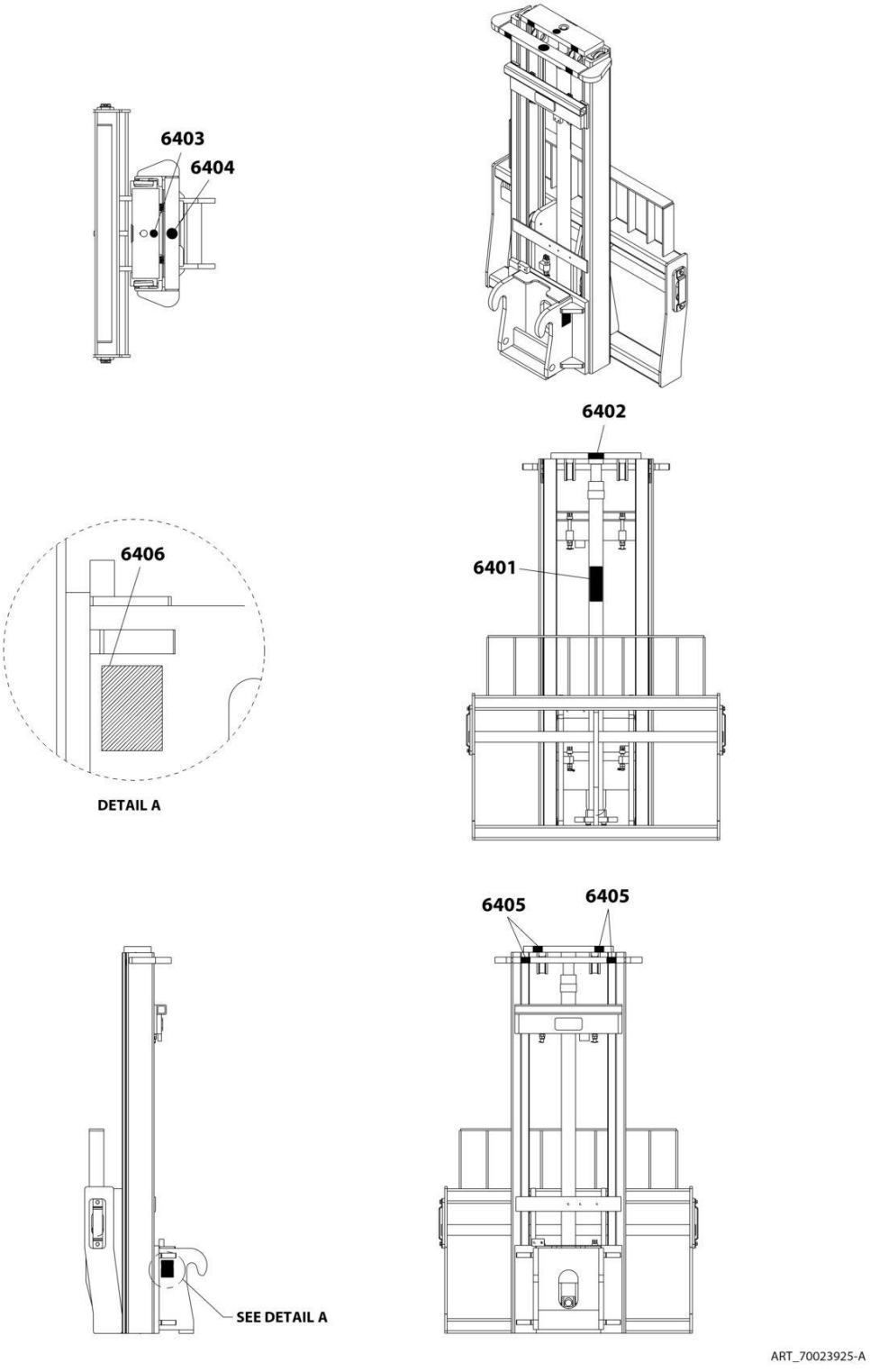


FIGURE 3-58. MAST, VERTICAL - DECAL KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70023925	Ref	Kit, Decal	A
6401	Kit	1	Decal, Warning	
6402	Kit	1	Decal, Warning	
6403	Kit	1	Decal, No Step	
6404	Kit	1	Decal, No Step	
6405	Kit	4	Decal, Hands Off	
6406	Kit	2	Decal, Hose Routing	

FIGURE 3-59. MAST, VERTICAL - CYLINDER

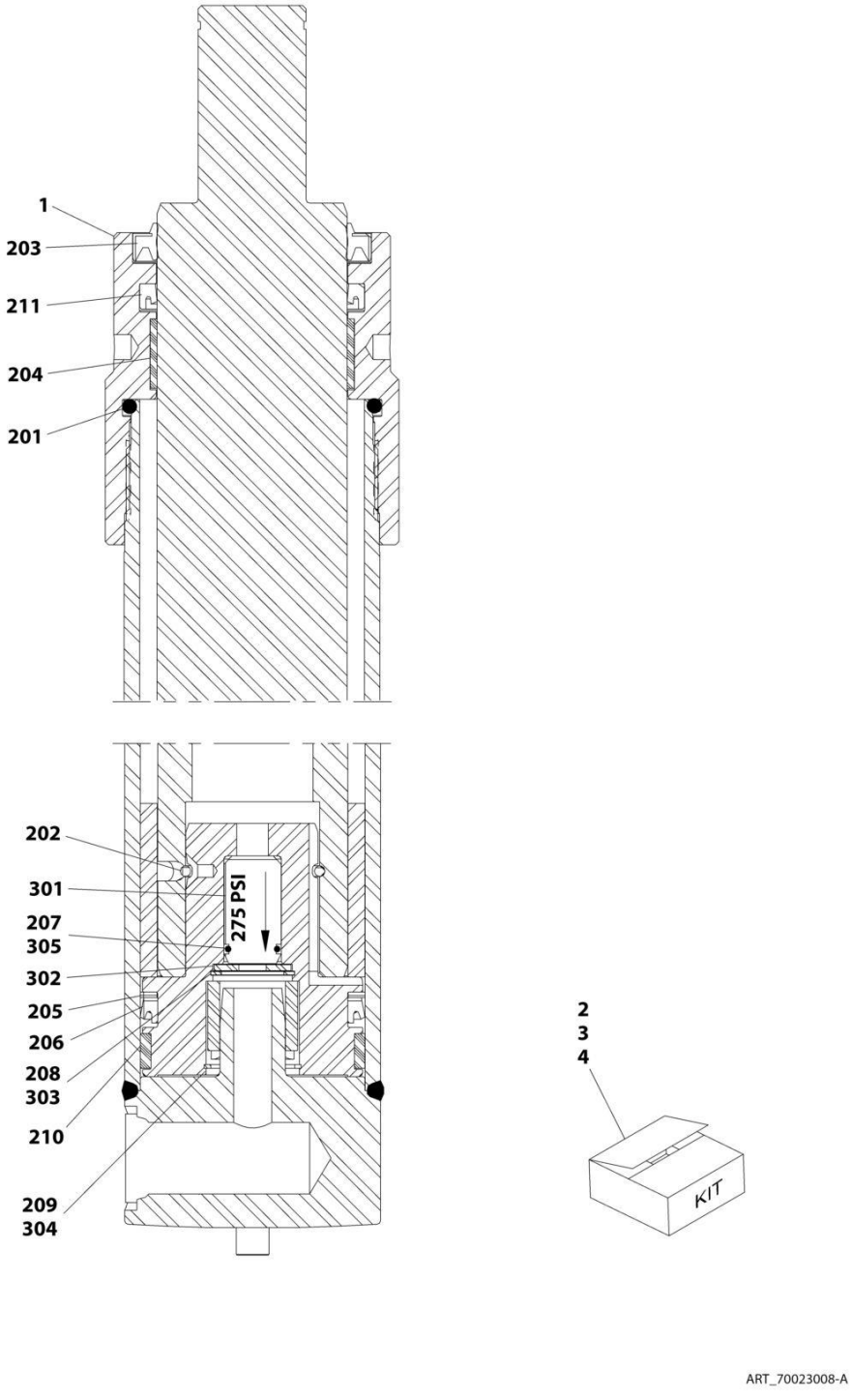


FIGURE 3-59. MAST, VERTICAL - CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70023008	Ref	Main Lift Cylinder	A
1	70023004	1	Retainer/Gland	
2	70023005	1	Seal Kit, Main Lift Cylinder	
201	Kit	1	O-Ring	
202	Kit	1	Wire, Pull	
203	Kit	1	Wiper	
204	Kit	1	Bushing	
205	Kit	1	Ring, Nylon	
206	Kit	1	Seal, Piston	
207	Kit	1	O-Ring	
208	Kit	1	Circlip	
209	Kit	1	Ring, Retaining	
210	Kit	1	Ring, Wear	
211	Kit	1	Seal, Rod	
3	70023006	1	Kit, Check Valve	
301	Kit	1	Valve, Check	
302	Kit	1	Washer	
303	Kit	1	Circlip	
304	Kit	1	Ring, Retaining	
304	Kit	1	O-Ring	
4	70023007	1	Kit, Shim	

FIGURE 3-60. SWEEPER ASSEMBLY

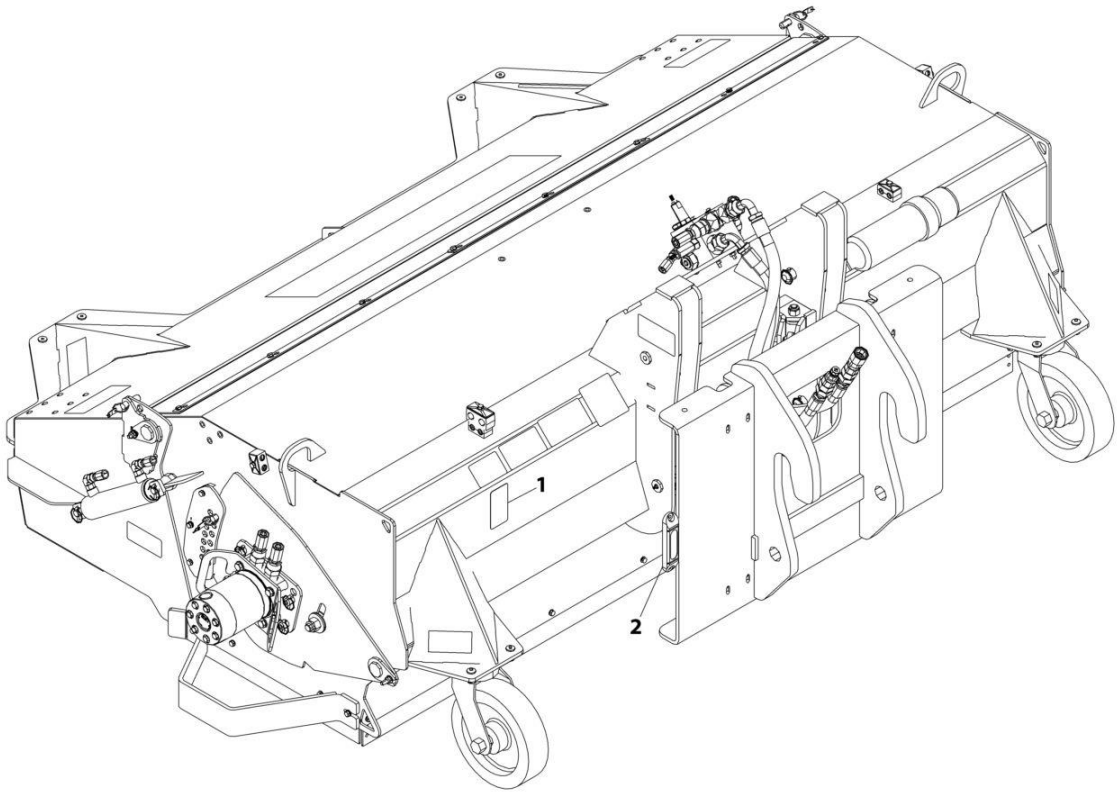


FIGURE 3-60. SWEEPER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202904	Ref	Sweeper Assembly	D
1	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	
2	1001227670	1	Tag, RFID	
		Ref	Sweeper Assembly- Hopper (See Separate Breakdown in this Section)	
		Ref	Sweeper Assembly - Body (See Separate Breakdown in this Section)	
		Ref	Sweeper Assembly - Motor (See Separate Breakdown in this Section)	
		Ref	Sweeper Assembly - Idler (See Separate Breakdown in this Section)	
		Ref	Sweeper Assembly - Core (See Separate Breakdown in this Section)	
		Ref	Sweeper Assembly - Hydraulic Single Motor (See Separate Breakdown in this Section)	

FIGURE 3-61. SWEEPER ASSEMBLY - BODY

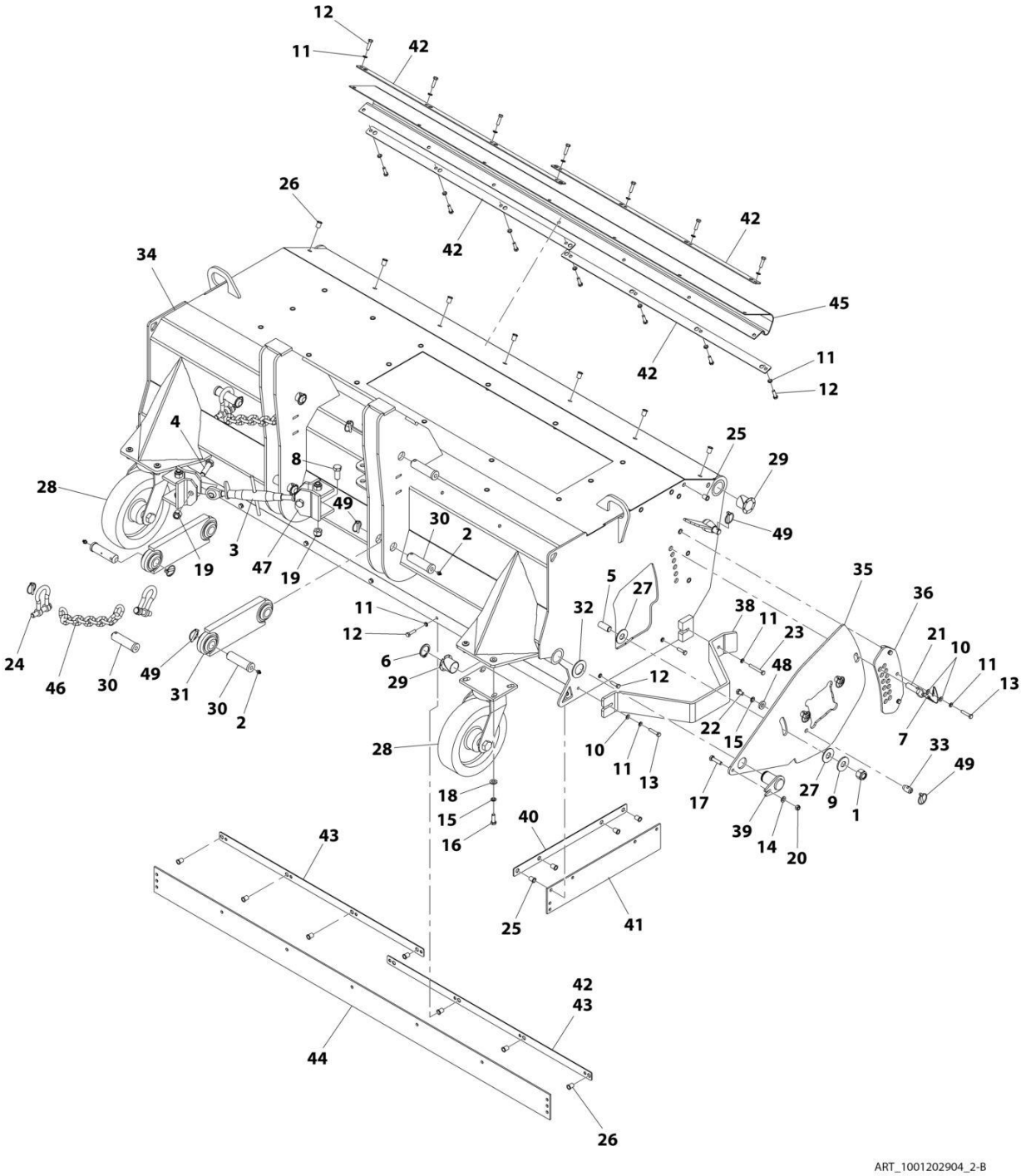


FIGURE 3-61. SWEEPER ASSEMBLY - BODY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202904	Ref	SWEEPER ASSEMBLY - BODY	
1	70029720	2	Nut	
2	70029721	4	Fitting, Grease	
3	70029722	1	Toplink	
4	70029723	2	Screw	
5	70020004	2	Screw	
6	70029724	2	Ring, Snap	
7	70029725	2	Lanyard	
8	70029726	4	Screw	
9	70029728	2	Washer	
10	70029732	6	Washer	
11	70029734	38	Washer	
12	70029735	32	Screw	
13	70029736	4	Screw	
14	70029738	2	Washer	
15	70029739	14	Washer	
16	70029741	8	Screw	
17	70029742	2	Screw	
18	70029743	8	Washer	
19	70029745	6	Nut	
20	70029747	2	Nut	
21	70029729	2	Pin	
22	70029751	6	Screw	
23	70029752	2	Screw	
24	70029755	4	Shackle	
25	70029756	45	Nut	
26	70029757	25	Nut	
27	70029760	4	Washer	
28	70029762	2	Assembly, Caster	
29	70029764	4	Bearing	
30	70029765	8	Pin	
31	70029766	2	Link	
32	70029767	2	Washer	
33	70029768	6	Stud	
34	See Note	NSS	Body, Sweeper (Note: Purchase Complete Assembly)	
35	70029773	2	Plate	
36	70029774	2	Plate	
37	70029775	2	Plate	
38	70029776	2	Plate	
39	70029777	2	Pin	
40	70029778	2	Plate	
41	70029779	2	Flap	
42	70029780	6	Plate	
43	70029781	3	Plate	
44	70029784	1	Flap	
45	70029786	1	Flap	
46	70029788	2	Chain	
47	70029790	2	Toplink	
48	70029793	6	Washer	
49	70029794	16	Pin, Lynch	

FIGURE 3-62. SWEEPER ASSEMBLY - CORE

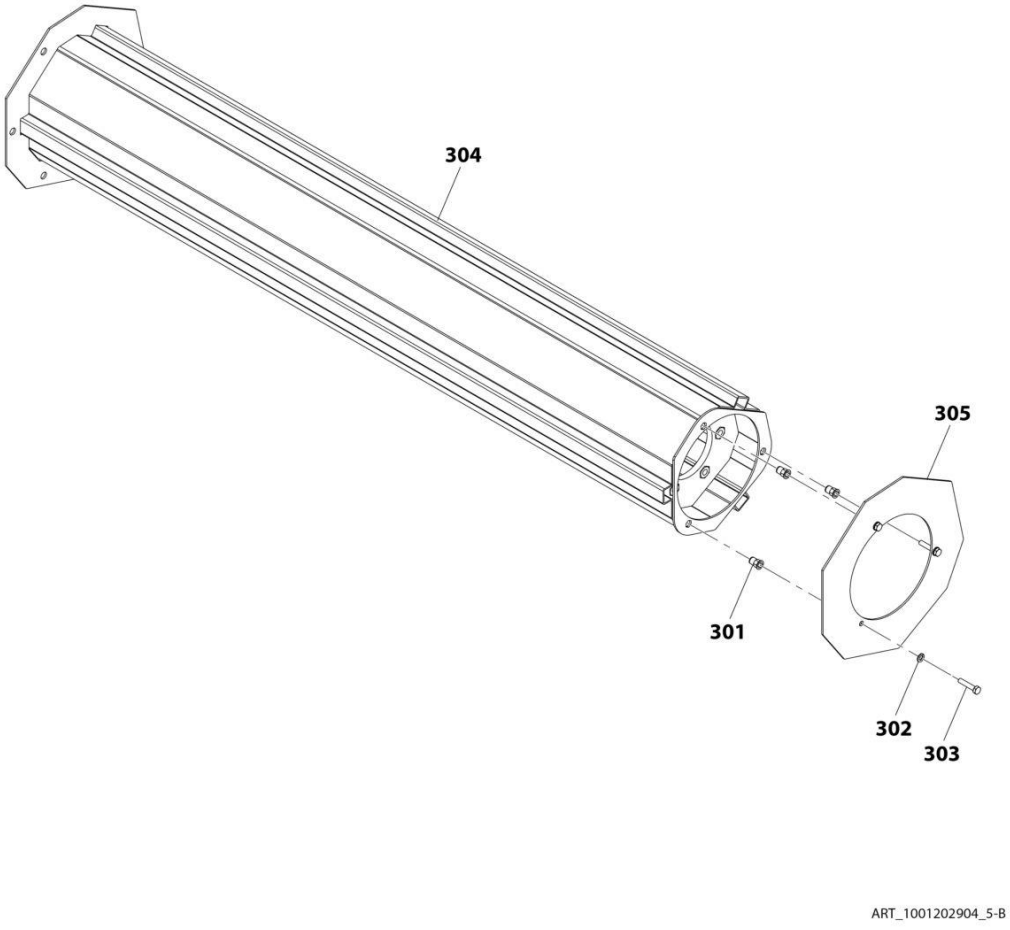


FIGURE 3-62. SWEEPER ASSEMBLY - CORE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202904	1	SWEEPER ASSEMBLY - CORE	
301	70029727	3	Nut	
302	70029730	3	Washer	
303	70029731	3	Screw	
304	70029782	1	Core	
305	70029783	1	Plate	

FIGURE 3-63. SWEEPER ASSEMBLY - HYDRAULIC SINGLE MOTOR ASSEMBLY

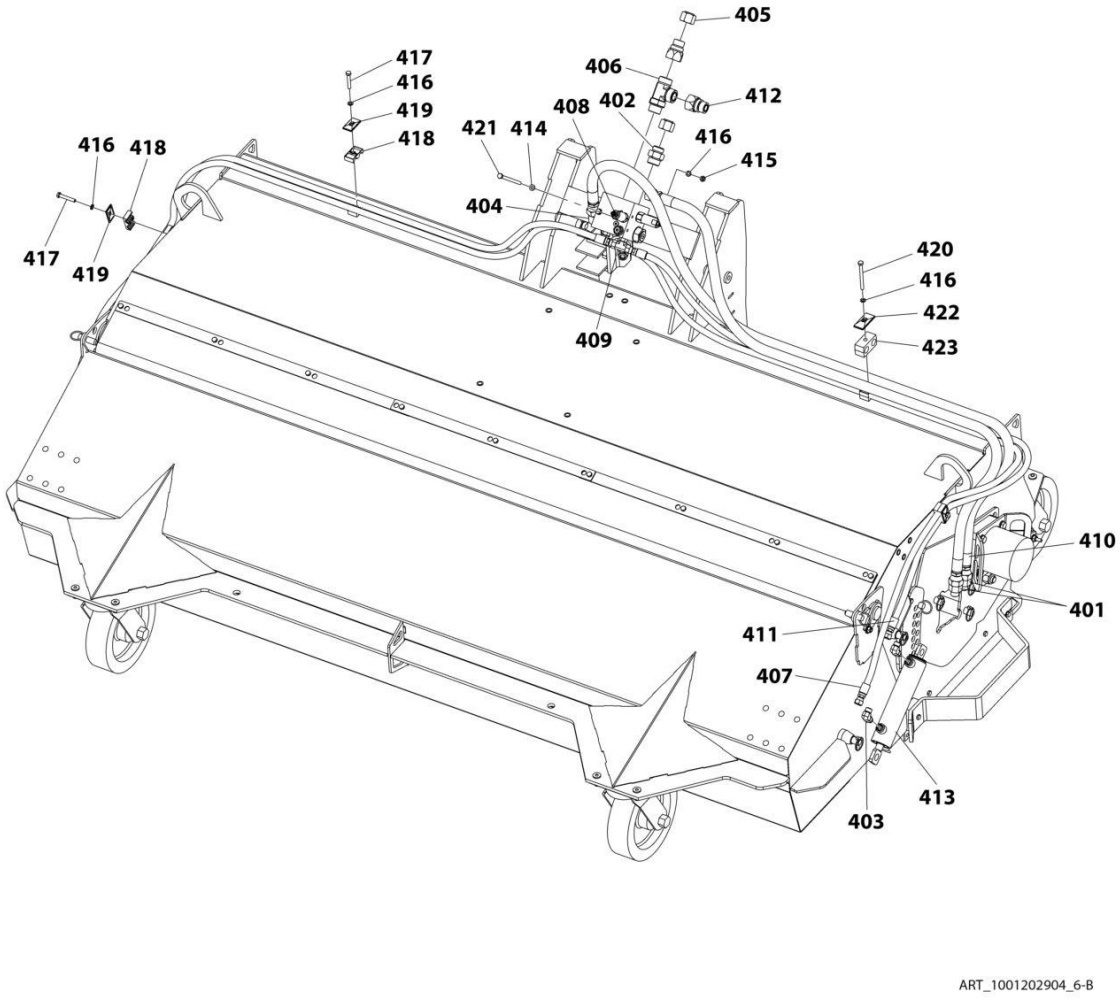


FIGURE 3-63. SWEEPER ASSEMBLY - HYDRAULIC SINGLE MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202904	Ref	SWEEPER ASSEMBLY - HYDRAULICS	
401	70029704	2	Fitting	
402	70029705	1	Fitting	
403	70029706	4	Fitting, 90	
404	70029707	1	Fitting, 90	
405	70029708	2	Cap	
406	70029709	1	Fitting, Tee	
407	70029710	2	Hose	
408	70029711	1	Manifold	
409	70029712	2	Fitting, Tee	
410	70029713	2	Hose	
411	70029714	2	Hose	
412	70029715	2	Fitting	
413	70029716	2	Cylinder	
413	70029791	1	Kit, Seal	
414	70029732	2	Washer	
415	70029733	2	Nut	
416	70029734	6	Washer	
417	70029737	3	Screw	
418	70029753	8	Hose	
419	70029754	3	Cover	
420	70029758	1	Screw	
421	70029759	2	Screw	
422	70029795	1	Cover	
423	70029796	1	Cradle, Hose	

FIGURE 3-64. SWEEPER ASSEMBLY - HOPPER

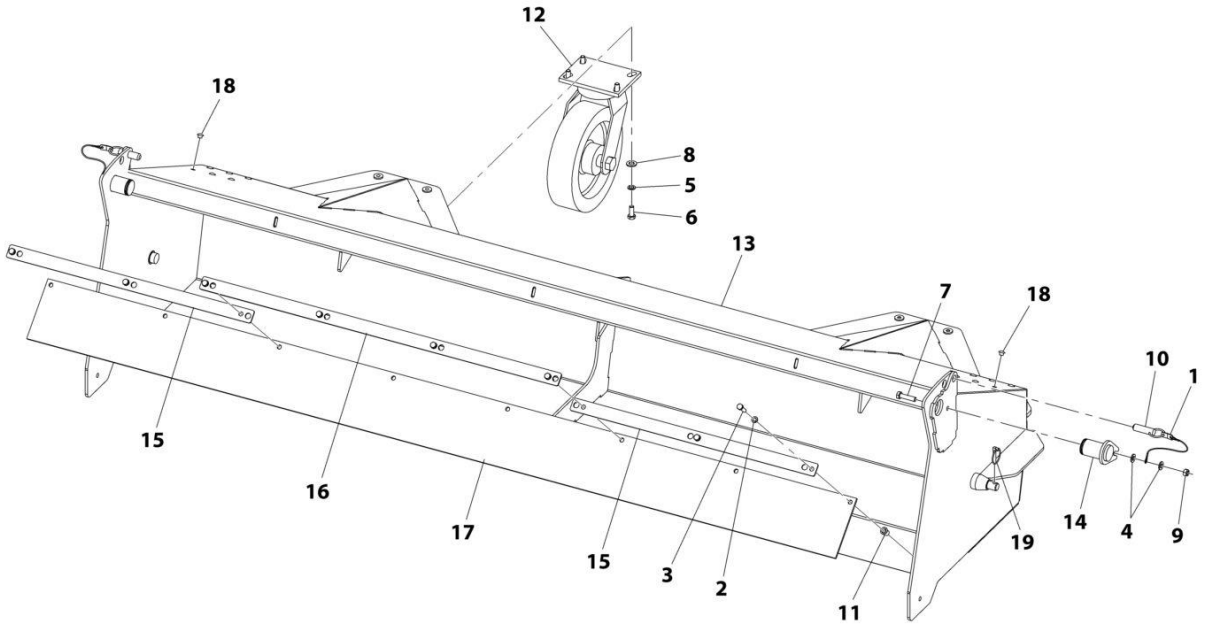


FIGURE 3-64. SWEEPER ASSEMBLY - HOPPER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202904	Ref	SWEEPER ASSEMBLY - HOPPER	
1	70029725	2	Lanyard	
2	70029734	8	Washer	
3	70029735	8	Screw	
4	70029738	4	Washer	
5	70029739	8	Washer	
6	70029740	8	Screw	
7	70029742	2	Screw	
8	70029743	8	Washer	
9	70029747	2	Nut	
10	70029750	2	Pin	
11	70029756	8	Nut	
12	70029762	2	Assembly, Caster	
13	See Note	NSS	Hopper (Note: Purchase Complete Assembly)	
14	70029777	2	Pin	
15	70029780	2	Plate	
16	70029781	1	Plate	
17	70029785	1	Flap	
18	70029792	12	Plug	
19	70029794	2	Pin, Lynch	

FIGURE 3-65. SWEEPER ASSEMBLY - IDLER

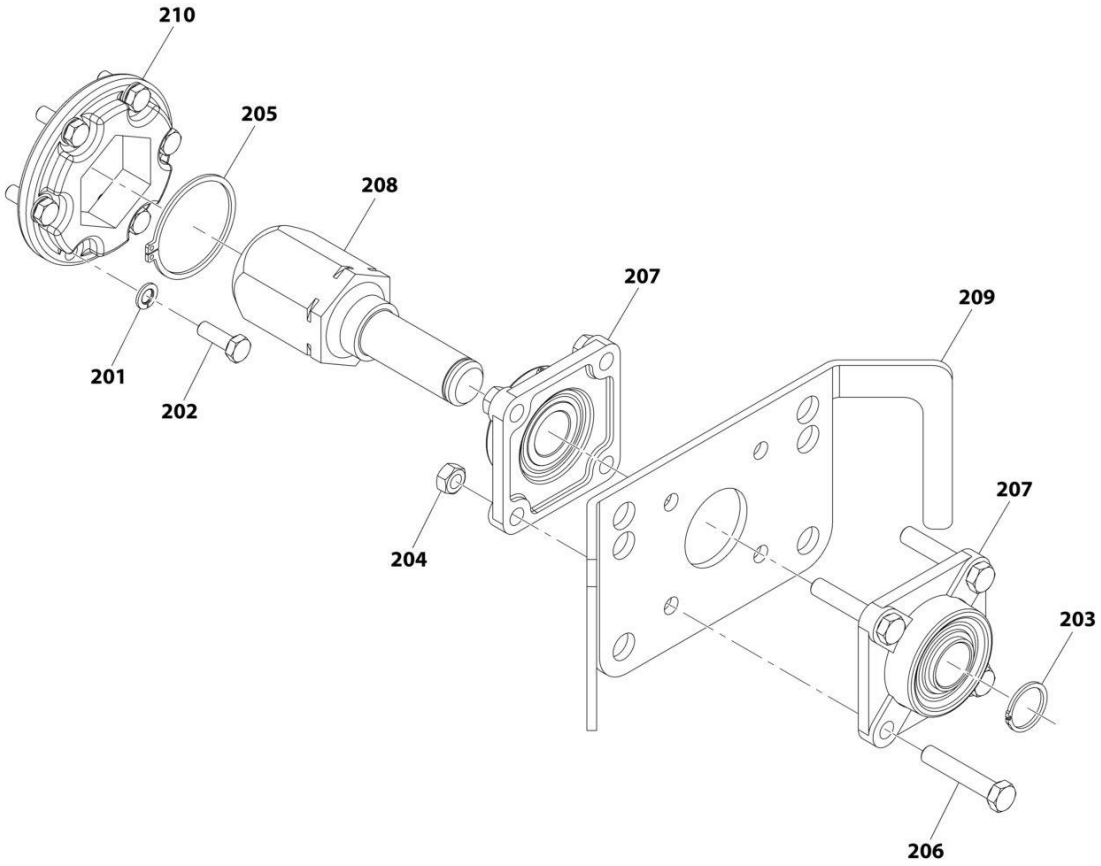


FIGURE 3-65. SWEEPER ASSEMBLY - IDLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202904	Ref	SWEEPER ASSEMBLY - IDLER	
201	70029739	6	Washer	
202	70029741	6	Screw	
203	70029744	1	Ring, Snap	
204	70029746	4	Nut	
205	70029748	1	Ring, Snap	
206	70029749	4	Screw	
207	70029763	2	Bearing	
208	70029770	1	Hub	
209	70029787	1	Plate	
210	70029789	1	Plate	

FIGURE 3-66. SWEEPER ASSEMBLY - MOTOR

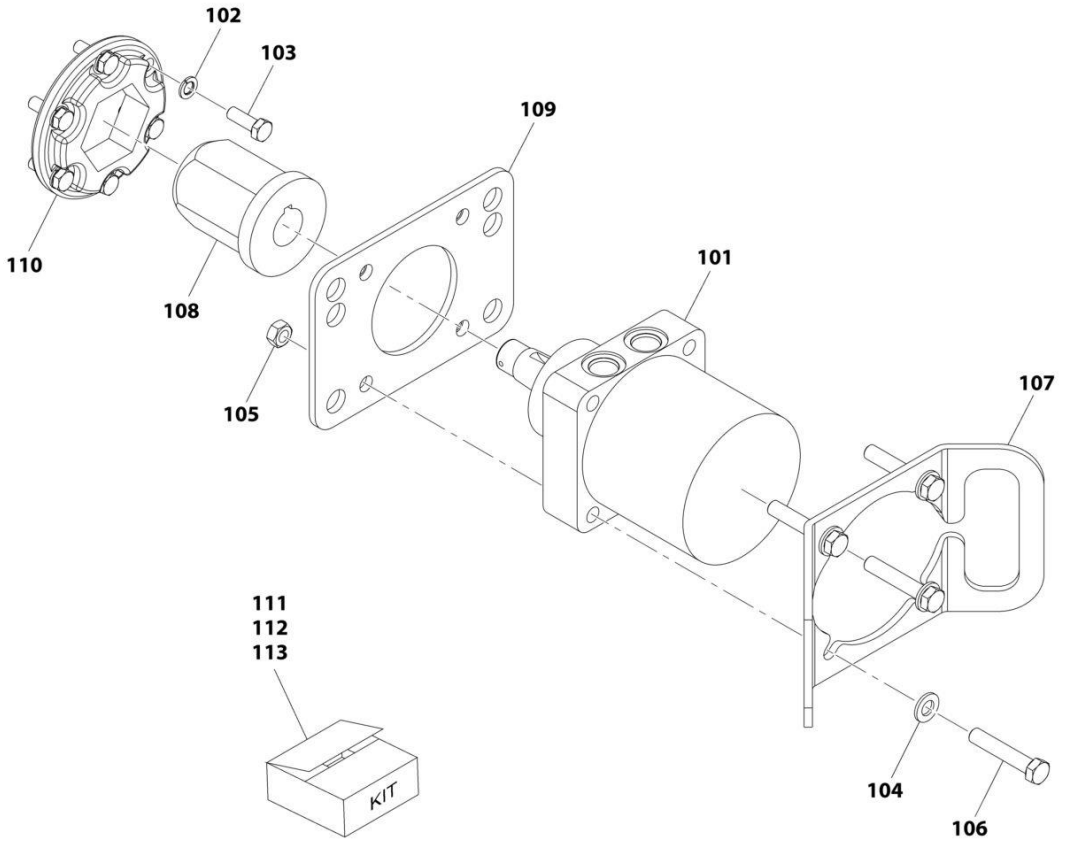


FIGURE 3-66. SWEEPER ASSEMBLY - MOTOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202904	Ref	SWEEPER ASSEMBLY - MOTOR	
101	70029717	1	Motor	
102	70029739	6	Washer	
103	70029741	6	Screw	
104	70029743	4	Washer	
105	70029746	4	Nut	
106	70029749	4	Screw	
107	70029769	1	Plate	
108	70029771	1	Hub	
109	70029772	1	Plate	
110	70029789	1	Plate	
111	70029719	1	Nut, Motor Shaft Lock	
112	70029718	1	Kit, Seal	
113	70029761	1	Key	

FIGURE 3-67. TRASH HOPPER

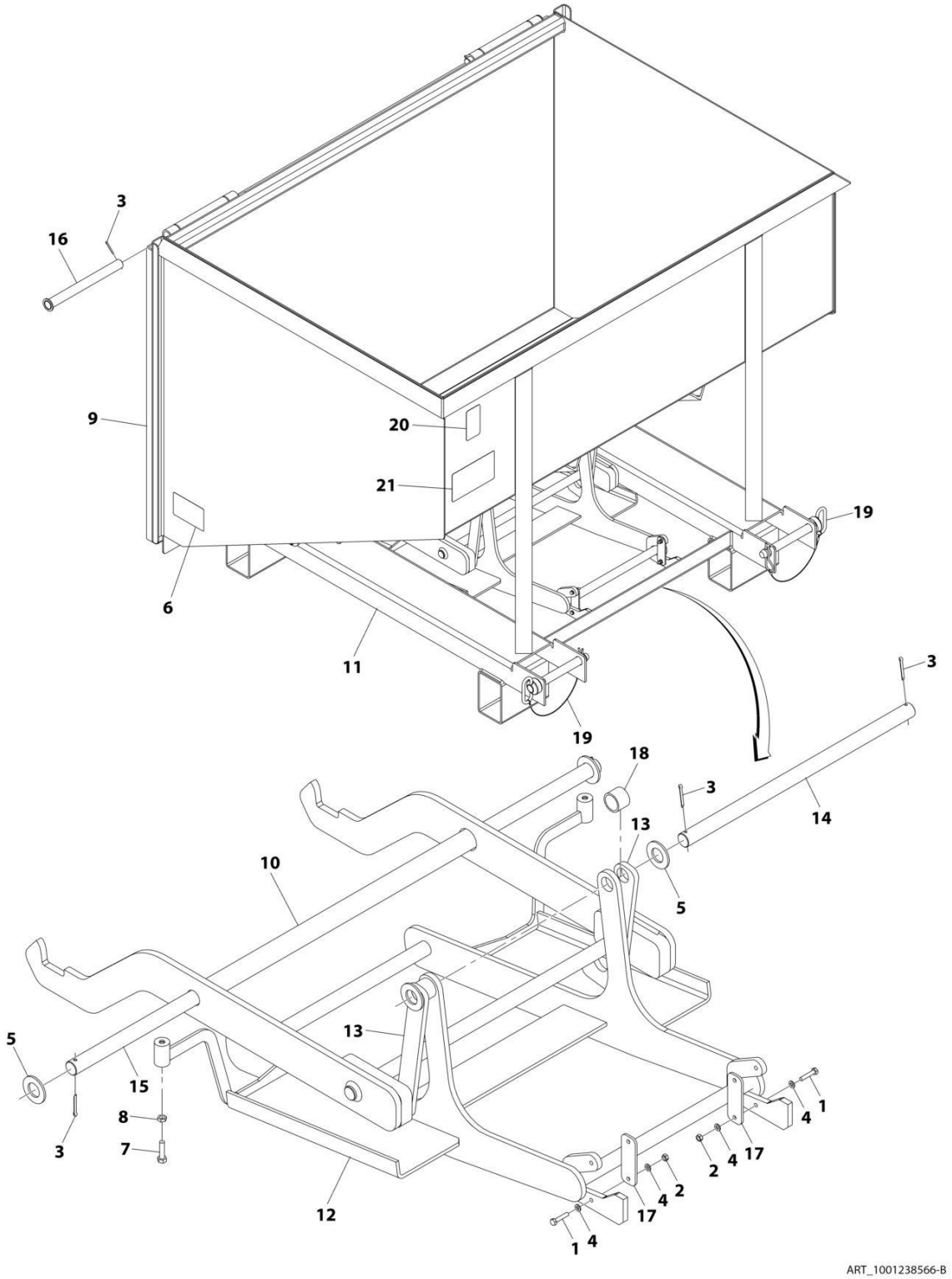


FIGURE 3-67. TRASH HOPPER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238566	Ref	FORK MOUNTED TRASH HOPPER	C
1	0700614	4	Bolt M6 x 30	
2	3290601	4	Nut M6 x 1	
3	3391410	6	Pin	
4	4811700	8	Washer M6	
5	5242400	4	Washer M24	
6	1706302	2	Decal, Pinch Point	
7	0641510	2	Bolt 5/16 x 1-1/4	
8	3311502	2	Nut 5/16	
9	1001192711	1	Door Assembly	
10	1001192720	1	Hook Assembly	
11	See Note	NSS	Hopper, Trash (Note: Purchase Complete Assembly)	
12	1001192875	1	Tray Assembly	
13	1001192876	2	Arm, Swing	
14	1001192877	1	Rod, Swing	
15	1001238570	1	Bar	
16	1001193540	2	Pin	
17	1001193729	2	Plate	
18	1001198355	2	Spacer	
19	1001238560	2	Pin	
20	See Note	NSS	SN Plate (Note:Stamped Part - Not Available for Purchase)	
21	1001203503	1	Decal, Trash Hopper Operation	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-1. ENGINE INSTALLATION, 74HP (ULS)

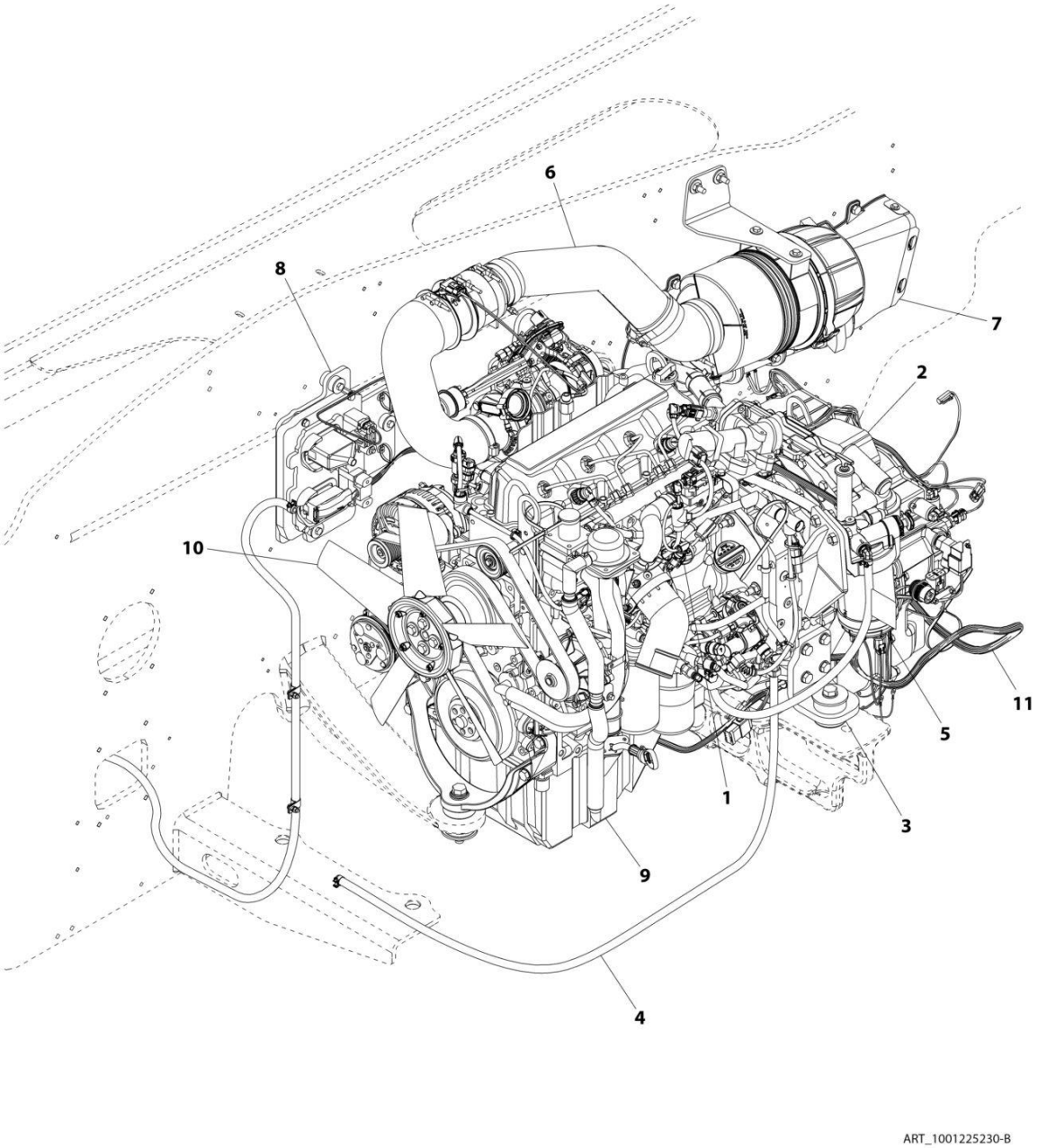


FIGURE 4-1. ENGINE INSTALLATION, 74HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225230	Ref	Engine Installation, 74HP (ULS)	B
1	1062255	1	Strap, Tie	
2	1001227962	Ref	Installation, Transmission (See Separate Breakdown in DRIVETRAIN Section)	
3	1001163227	Ref	Installation, Engine Mounting (See Separate Breakdown in this Section)	
4	1001163231	Ref	Installation, Fuel Lines (See Separate Breakdown in this Section)	
5	1001163235	Ref	Installation, Primary Fuel Filter (See Separate Breakdown in this Section)	
6	1001169011	Ref	Installation, Air Cleaner Lines (See Separate Breakdown in this Section)	
7	1001169012	Ref	Installation, Air Cleaner (See Separate Breakdown in this Section)	
8	1001194286	Ref	Installation, Engine ECU (See Separate Breakdown in ELECTRICAL Section)	
9	1001196665	Ref	Engine, 74HP (See Separate Breakdown in this Section)	
10	1001225231	Ref	Installation, Fan (See Separate Breakdown in this Section)	
11	1001225232	Ref	Installation, Engine Wiring (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 4-2. ENGINE COMPONENTS, 74HP (ULS)

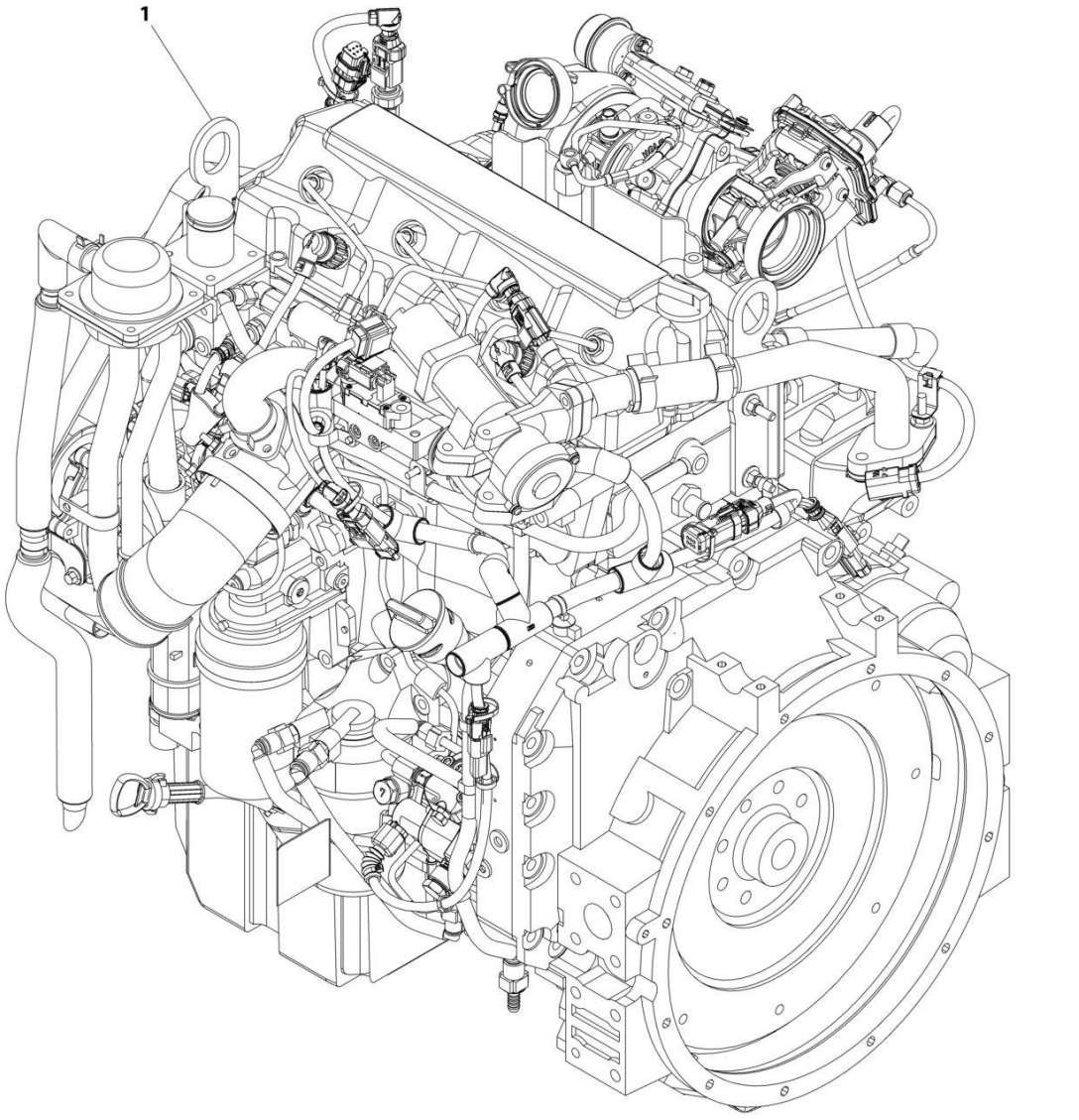


FIGURE 4-2. ENGINE COMPONENTS, 74HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001196665	Ref	Engine, 74HP (if equipped for ULS)	O
	70026220	1	Assembly, Secondary Fuel Filter (includes filter head, seal and element)	
	70026453	1	Element, Fuel Filter	
	70026221	1	Head, Fuel Filter	
	70026222	1	Assembly, Flywheel Housing	
	70027281	1	Pan, Oil	
	70026224	1	Seal, Oil Pan	
	70026225	1	Plug, Oil Pan	
	70026226	1	Seal, Oil Pan Plug	
	1001128594	1	Starter	
	70026228	1	Filler Cap, Valve Cover	
	70026229	1	Fan Belt, V-Ribbed	
	70026230	1	Support, Fan	
	70026231	1	Pulley, Fan	
	70026232	1	Alternator	
	70028450	1	Assembly, Primary Fuel Filter	
	70026234	1	Element, Fuel Filter	
	70026235	1	Assembly, Dipstick Oil Level	
	70026241	1	Assembly, Fuel Filter Plug	
	70026237	1	Filter, Oil	
	70023933	1	O-Ring, Oil Pressure Switch	
	70041620	2	Ring, Retaining	
	70041616	1	Bolt	
	70041617	1	Bearing, Ball	
	70041619	1	Retainer, Fan Hub	
	1322039	1	Spacer, Fan Pilot	
	1321094	19	Screw	
	70024016	1	Cap, Side Oil Fill	
	70022634	1	Flywheel w/Ring Gear	
	70023736	1	Ring Gear, Flywheel	
	1322040	1	Plug, Flywheel	
	70031148	1	Sensor, Speed	

FIGURE 4-3. ENGINE INSTALLATION, 110HP (ULS)

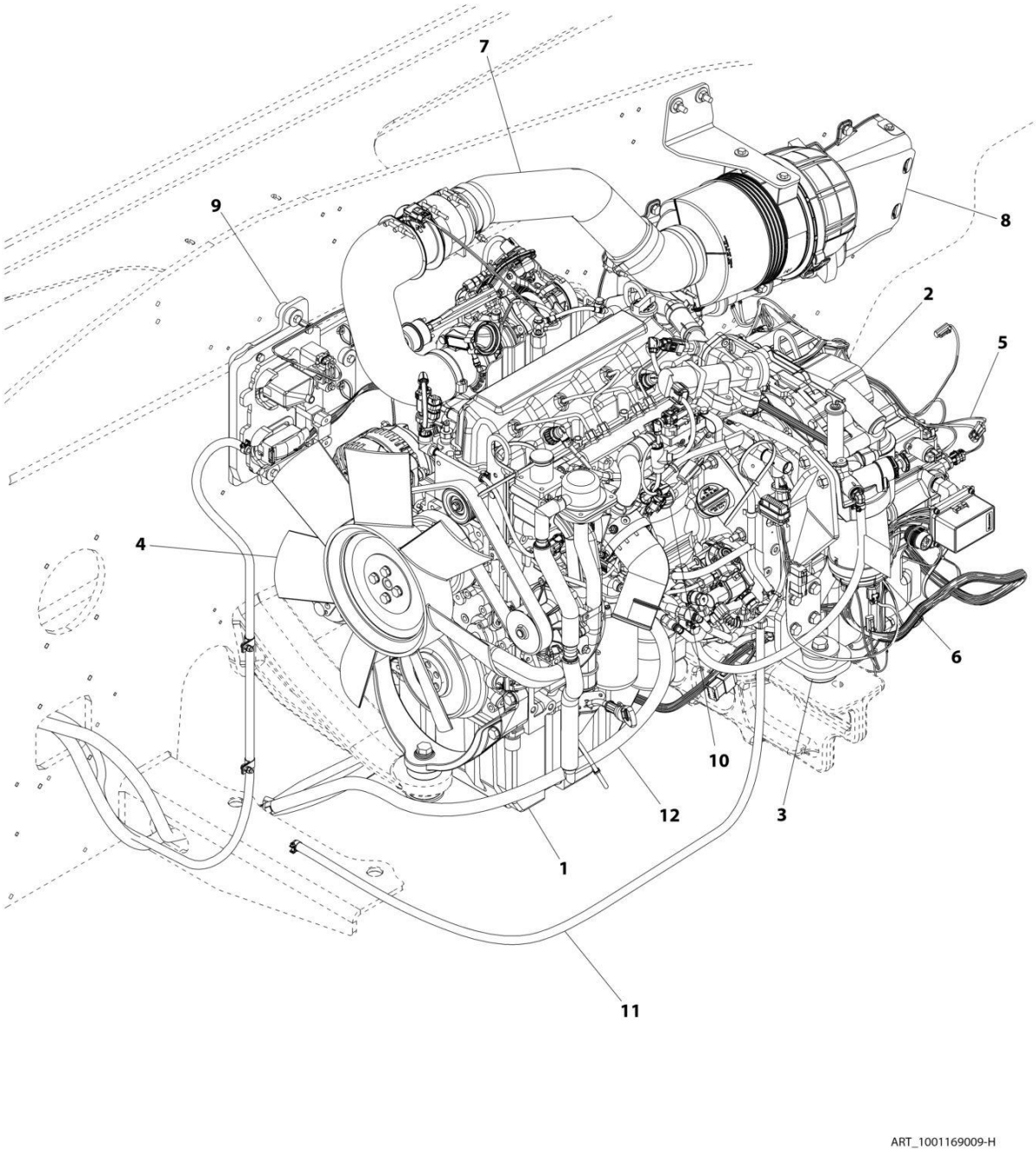


FIGURE 4-3. ENGINE INSTALLATION, 110HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169009	Ref	Engine Installation, 110HP (ULS)	H
1	1001154511	Ref	Engine, 110HP (ULS) (See Separate Breakdown in this Section)	
2	1001161664	Ref	Installation, Transmission (See Separate Breakdown in DRIVETRAIN Section)	
3	1001163227	Ref	Installation, Engine Mounting (See Separate Breakdown in this Section)	
4	1001163230	Ref	Installation, Fan (See Separate Breakdown in this Section)	
5	1001163233	Ref	Installation, Engine Wiring (ULS) (See Separate Breakdown in ELECTRICAL Section)	
6	1001163235	Ref	Installation, Primary Fuel Filter (See Separate Breakdown in this Section)	
7	1001169011	Ref	Installation, Air Cleaner Lines (See Separate Breakdown in this Section)	
8	1001169012	Ref	Installation, Air Cleaner (See Separate Breakdown in this Section)	
9	1001194286	Ref	Installation, Engine ECU (See Separate Breakdown in ELECTRICAL Section)	
10	1062255	1	Strap, Tie	
11	1001163231	Ref	Installation, Fuel Lines (See Separate Breakdown in this Section)	
12	1001163232	Ref	Installation, DEF Lines (See Separate Breakdown in this Section)	

FIGURE 4-4. ENGINE COMPONENTS, 110HP (ULS)

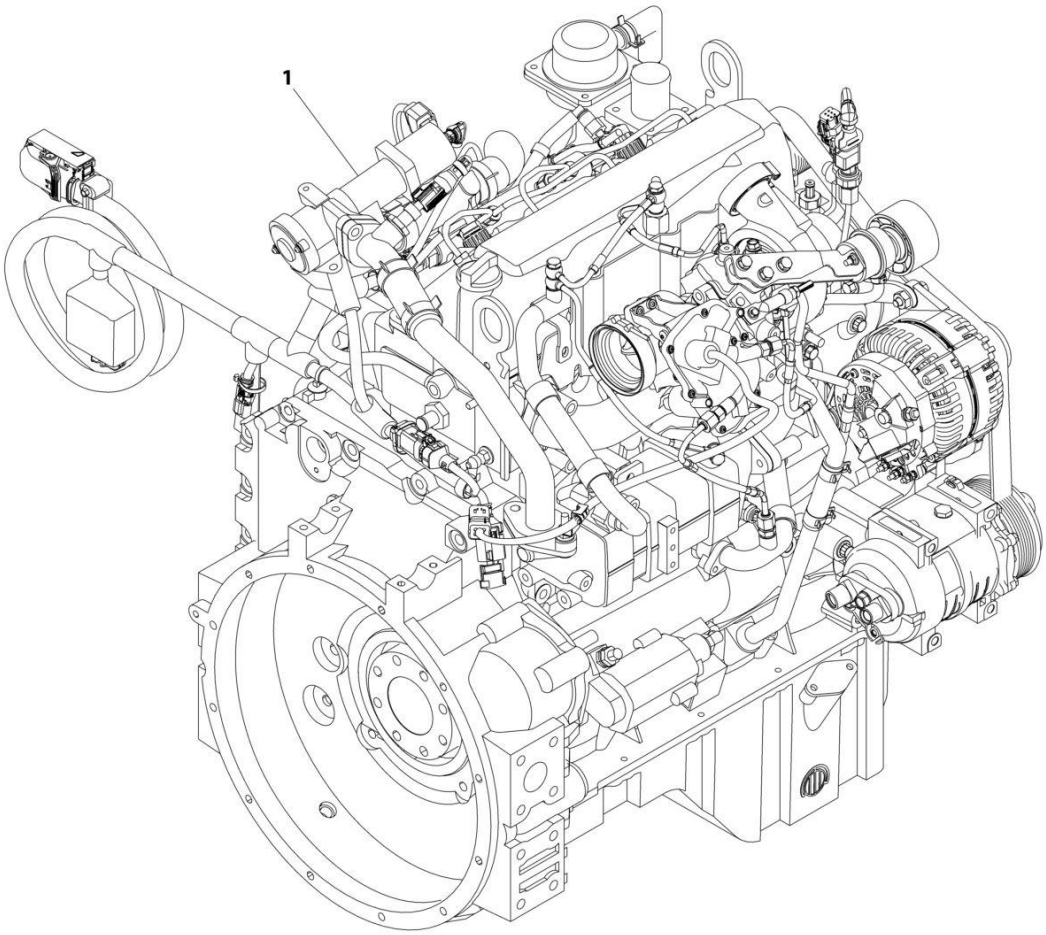


FIGURE 4-4. ENGINE COMPONENTS, 110HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001154511	Ref	Engine, QSF 3.8L (if equipped for ULS)	W
	70026220	1	Assembly, Secondary Fuel Filter (includes shell, seal and cartridge)	
	70026453	1	Cartridge, Fuel Filter	
	70031350	1	Rail, Fuel	
	70031351	1	Sensor, Fuel Pressure	
	70031352	1	Valve, Fuel Pressure Relief Valve	
	70026223	1	Pan, Oil	
	70026224	1	Seal, Oil Pan	
	70026225	1	Plug, Oil Pan	
	70026226	1	Seal, Oil Pan Plug	
	1001128594	1	Starter	
	70026228	1	Filler Cap, Valve Cover	
	70026229	1	Fan Belt, V-Ribbed	
	70026230	1	Support, Fan	
	70026231	1	Pulley, Fan	
	70026232	1	Alternator	
	70028450	1	Assembly, Primary Fuel Filter, (includes filter head, seal and element)	
	70026235	1	Assembly, Dipstick Oil Level	
	70026236	1	Assembly, Block Heater	
	70026241	1	Assembly, Fuel Filter Plug	
	70026237	1	Filter, Oil	
	70023933	1	O-Ring, Oil Pressure Switch	
	70041620	2	Ring, Retaining	
	70041616	1	Bolt, Fan Drive	
	70041617	1	Bearing, Ball	
	70041619	1	Retainer, Fan Hub	
	1322039	1	Spacer, Fan Pilot	
	1321094	16	Bolt, Oil Pan	
	70024016	1	Cap, Side Oil Fill	
	70022634	1	Flywheel w/Ring Gear	
	70023736	1	Ring Gear, Flywheel	
	1322040	1	Plug, Flywheel	
	70030317	1	Connection, Fuel Actuator	
	70030347	1	Valve, Exhaust Throttle	
	70031380	1	Harness, ECM	

FIGURE 4-5. ENGINE INSTALLATION, 110HP (LS)

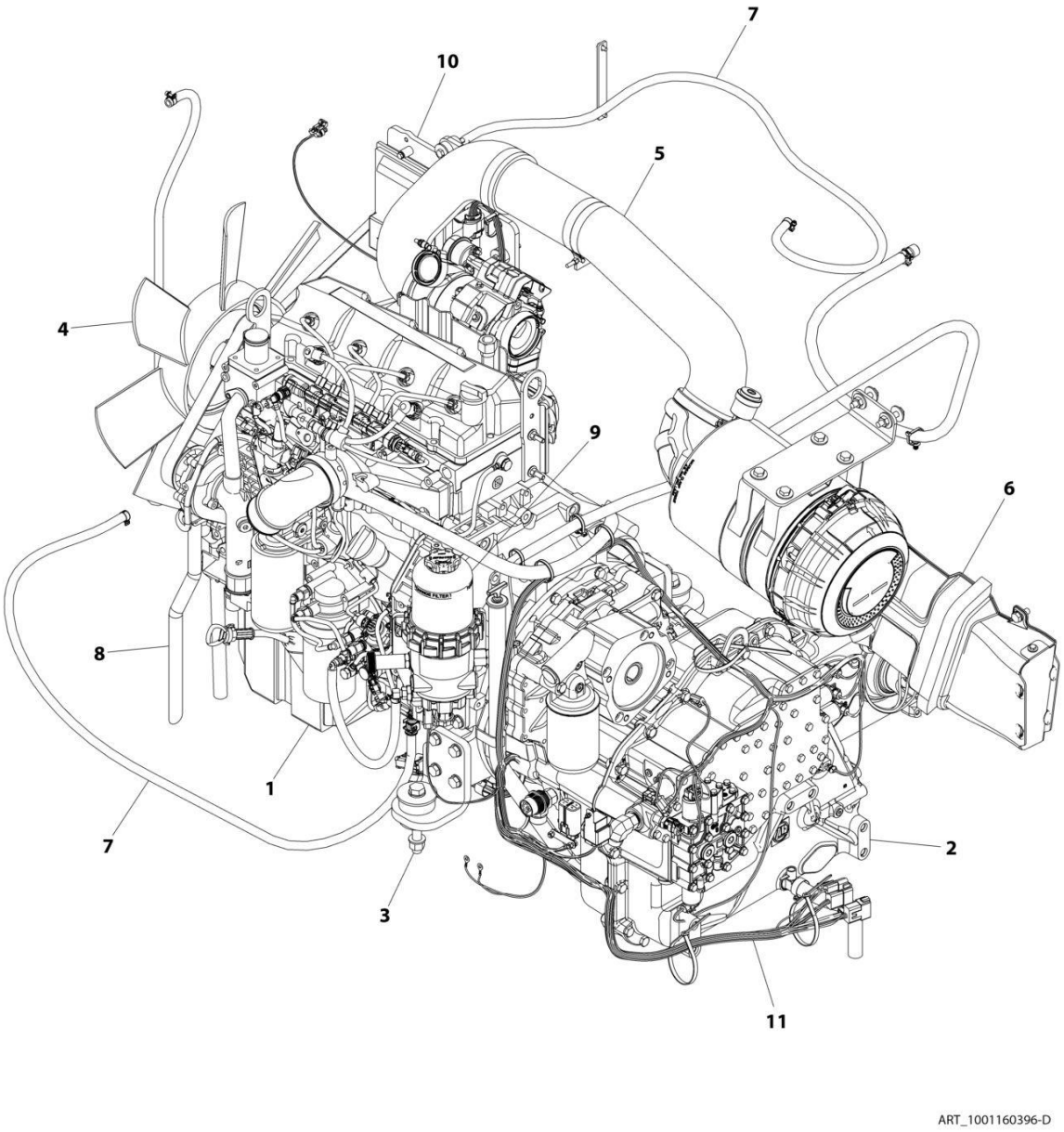


FIGURE 4-5. ENGINE INSTALLATION, 110HP (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160396	Ref	Engine Installation, 110HP (LS)	D
1	1001154790	Ref	Engine, 110HP (LS) (See Separate Breakdown in this Section)	
2	1001161664	Ref	Installation, Transmission (See Separate Breakdown in DRIVETRAIN Section)	
3	1001163227	Ref	Installation, Engine Mounting (See Separate Breakdown in this Section)	
4	1001163230	Ref	Installation, Fan (See Separate Breakdown in this Section)	
5	1001163238	Ref	Installation, Air Intake Lines (LS) (See Separate Breakdown in this Section)	
6	1001163239	Ref	Installation, Air Cleaner (LS) (See Separate Breakdown in this Section)	
7	1001163241	Ref	Installation, Fuel Lines (LS) (See Separate Breakdown in this Section)	
8	1001176228	1	Hose, 3.8L	
9	1001180076	Ref	Installation, Primary Fuel Filter (LS) (See Separate Breakdown in this Section)	
10	1001180242	Ref	Installation, Engine ECM (LS) (See Separate Breakdown in ELECTRICAL Section)	
11	1001163242	Ref	Installation, Engine Wiring (LS) (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 4-6. ENGINE COMPONENTS, 110HP (LS)

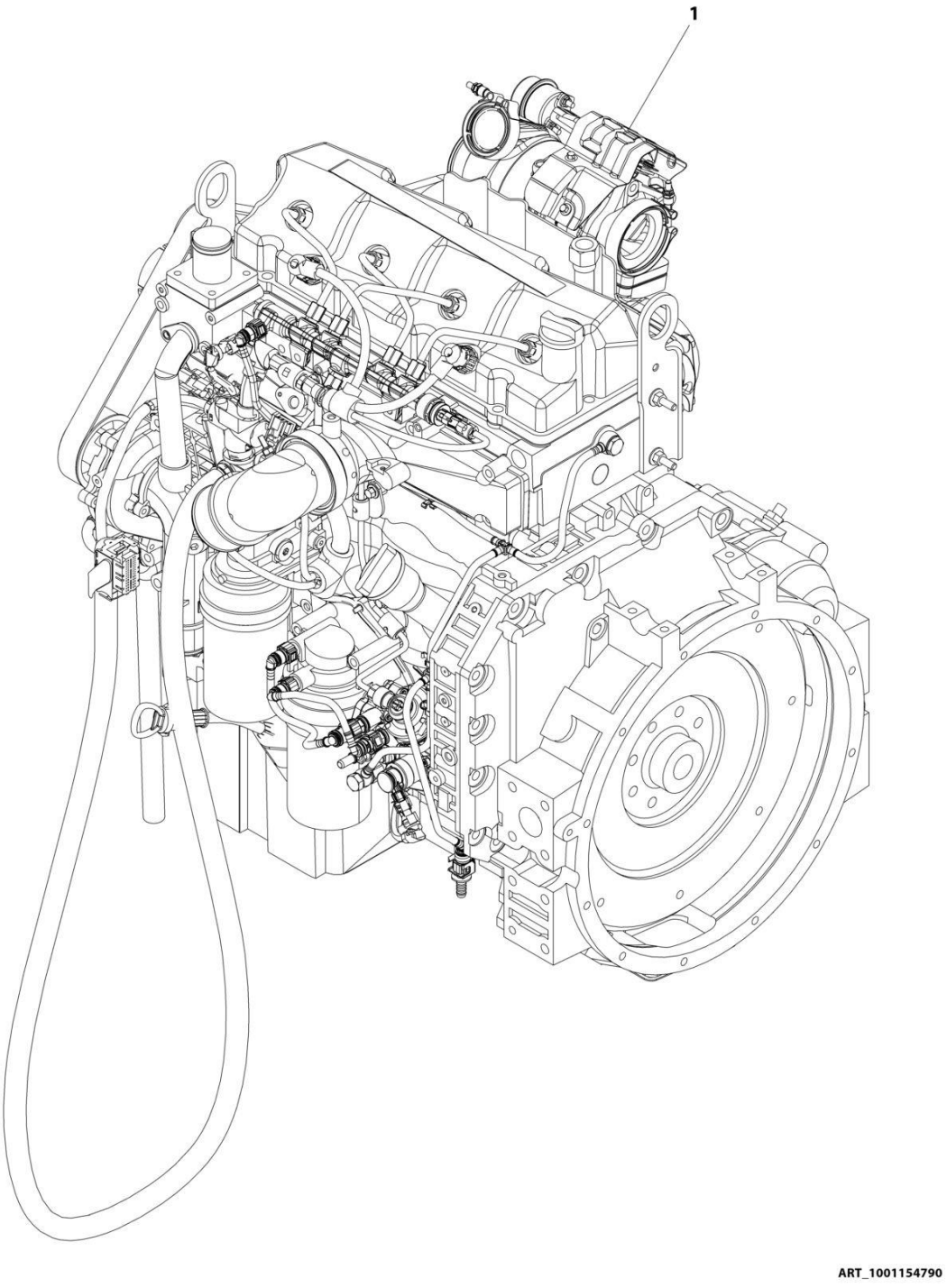


FIGURE 4-6. ENGINE COMPONENTS, 110HP (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001154790	Ref	3.8L Engine (LS)	L
	70026800	1	Fuel Filter Assembly	
	70026801	1	Fuel Filter Element	
	70026222	1	Assembly, Flywheel Housing	
	70027281	1	Pan, Oil	
	70026224	1	Seal, Oil Pan	
	70026225	1	Plug, Oil Pan	
	70026226	1	Seal, Oil Pan Plug	
	1001128594	1	Starter	
	70026228	1	Filler Cap, Valve Cover	
	70026229	1	Fan Belt, V-Ribbed	
	70026230	1	Support, Fan	
	70026231	1	Pulley, Fan	
	70026232	1	Alternator	
	70026233	1	Assembly, Primary Fuel Filter	
	70026234	1	Element, Fuel Filter	
	70026235	1	Assembly, Dipstick Oil Level	
	70026241	1	Assembly, Fuel Filter Plug	
	70026237	1	Filter, Oil	
	70041620	2	Ring, Retaining	
	70041616	1	Bolt	
	70041617	1	Bearing, Ball	
	70041619	1	Retainer, Fan Hub	
	1322039	1	Spacer, Fan Pilot	
	1321094	17	Screw	
	70024016	1	Cap, Side Oil Fill	
	70022634	1	Flywheel w/Ring Gear	
	70023736	1	Ring Gear, Flywheel	
	1322040	1	Plug, Flywheel	

FIGURE 4-7. ENGINE MOUNTING INSTALLATION

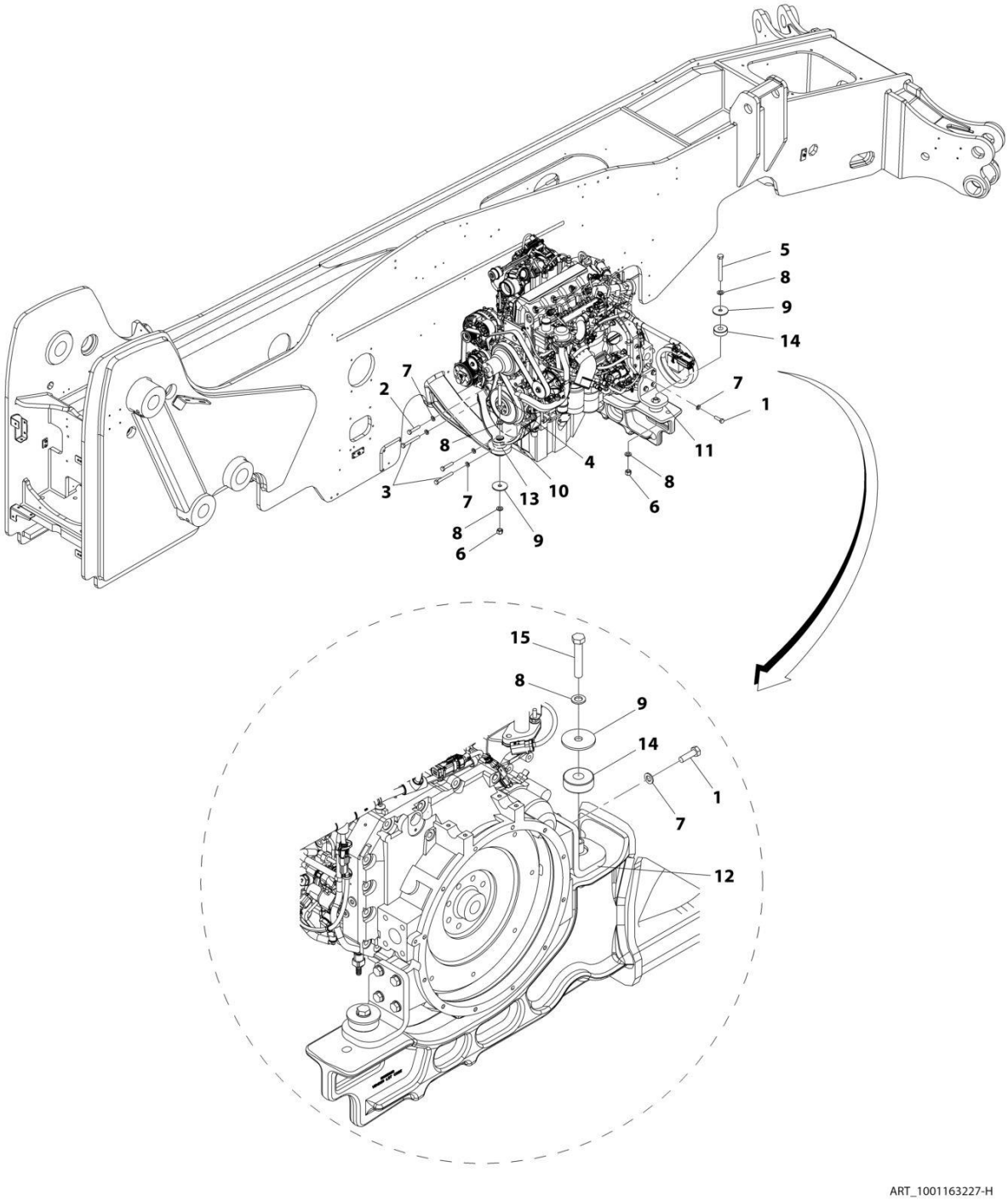
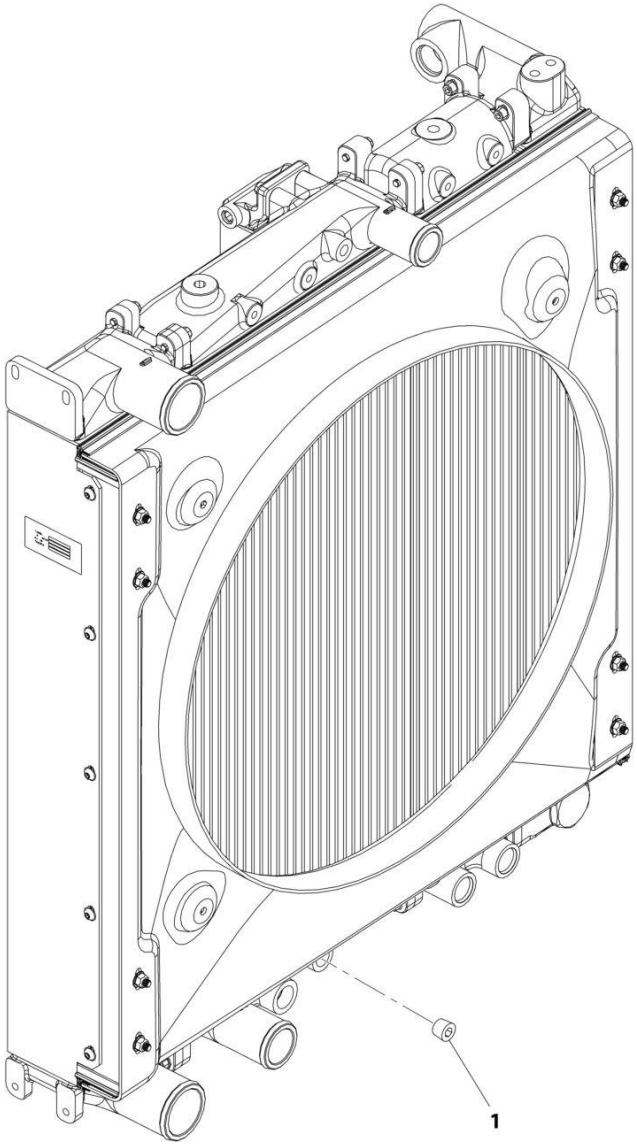


FIGURE 4-7. ENGINE MOUNTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163227	Ref	Engine Mounting Installation	H
1	0701216	8	Bolt, M12X40	
2	0701220	2	Bolt, M12X60	
3	0701227	2	Bolt, M12X100	
4	0711629	1	Bolt, M16x120	
5	0711630	1	Bolt, M16X130	
6	3331615	2	Nut, M16	
7	4812100	12	Washer, M12	
8	4812300	5	Washer, M16	
9	7300435	3	Washer	
10	1001160116	1	Bracket, Engine	
11	1001168795	1	Plate, Engine Mount	
12	1001168797	1	Plate, Engine Mount	
13	1001160888	1	Mount, Isolator Engine	
14	1001195518	2	Mount, Isolator Engine	
15	0711626	1	Bolt, M16X90	

FIGURE 4-8. ENGINE PARTS INSTALLATION (NO HEATER)



ART_1001163133-D

FIGURE 4-8. ENGINE PARTS INSTALLATION (NO HEATER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163133	Ref	Engine Parts Installation (No Heater)	D
1	2200223	1	Plug	

FIGURE 4-9. ENGINE PARTS INSTALLATION (HEATER)

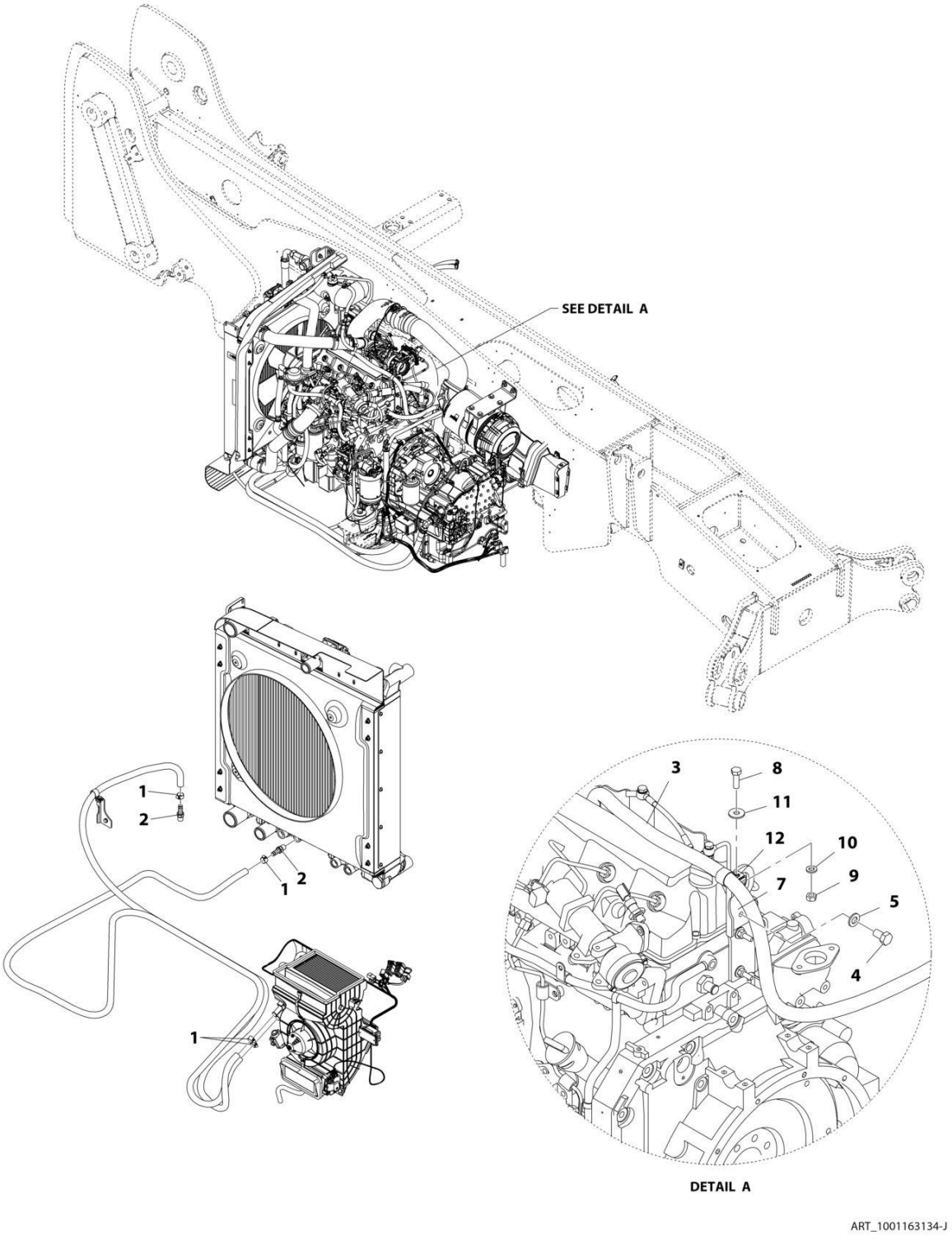


FIGURE 4-9. ENGINE PARTS INSTALLATION (HEATER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163134	Ref	Engine Parts Installation (Heater)	J
1	8410009	4	Clamp, Gear	
2	1001104685	2	Pipe	
3	82033995	7 m	Hose	
4	0760807	1	Bolt, M8X14	
5	4811900	1	Washer, M8	
7	1001200555	1	Bracket	
8	0700610	1	Bolt, M6X20	
9	3290601	1	Nut, M6X1	
10	4811700	1	Washer, M6	
11	4811702	1	Washer, M6	
12	8406201	1	Clip	

FIGURE 4-10. AIR CLEANER INSTALLATION (ULS)

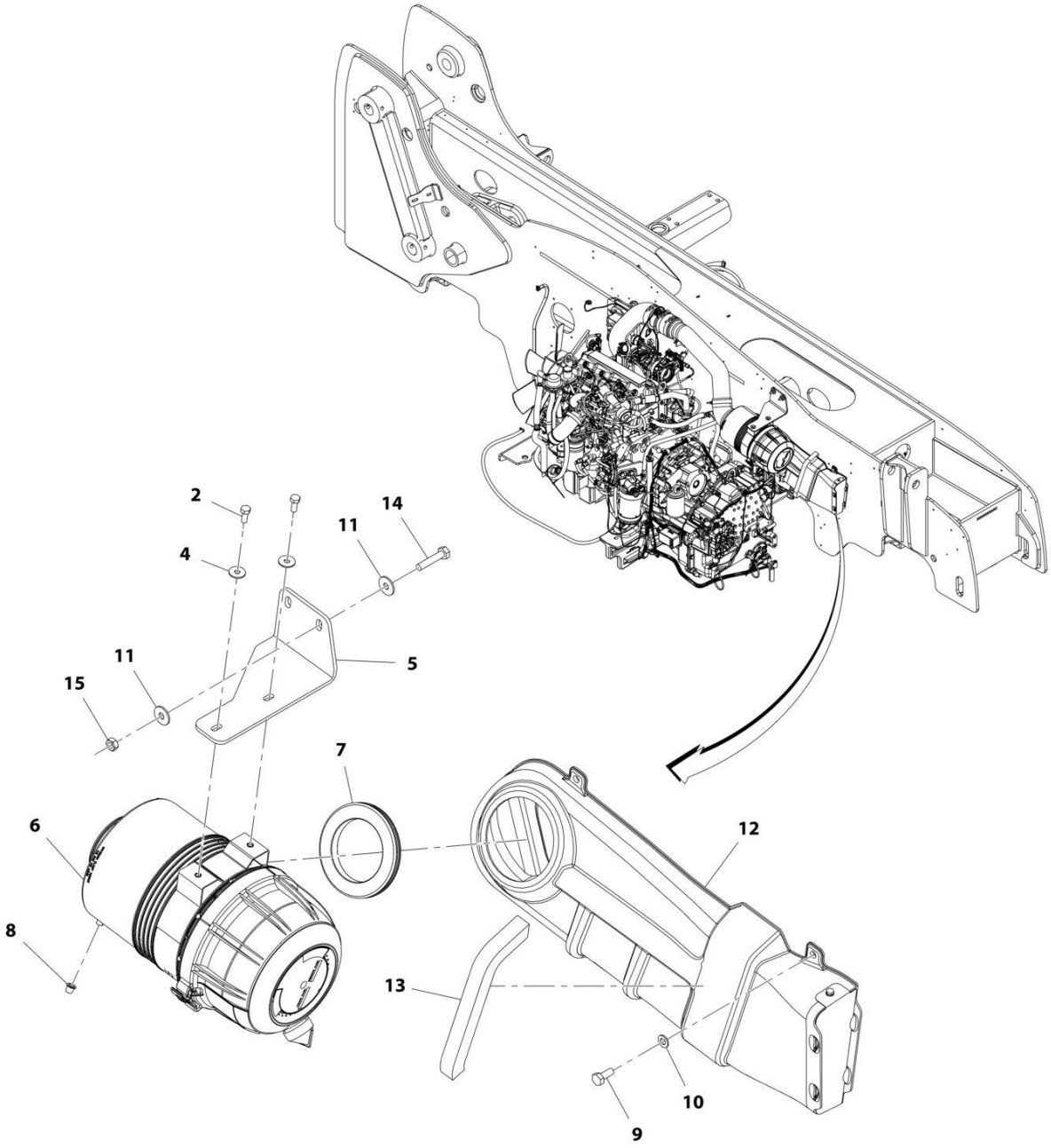


FIGURE 4-10. AIR CLEANER INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169012	Ref	Air Cleaner Installation	F
2	0760810	2	Bolt, M8X20	
4	4811902	2	Washer, M8	
5	1001185278	1	Bracket	
6	1001166566	1	Filter, Air Cleaner (See Separate Breakdown in this Section)	
7	1001183830	1	Grommet, Intake	
8	1001183177	1	Cap, Air Cleaner	
9	0761012	4	Bolt, M10X25	
10	4812000	4	Washer, M10	
11	4812002	4	Washer, M10	
12	1001183835	1	Installation, Air Intake Duct (See Separate Breakdown in this Section)	
13	1001186898	1	Seal	
14	0701018	2	Bolt, M8X50	
15	3291001	1	Nut, M10X1.5 Grade 8	

FIGURE 4-11. AIR CLEANER INSTALLATION (LS)

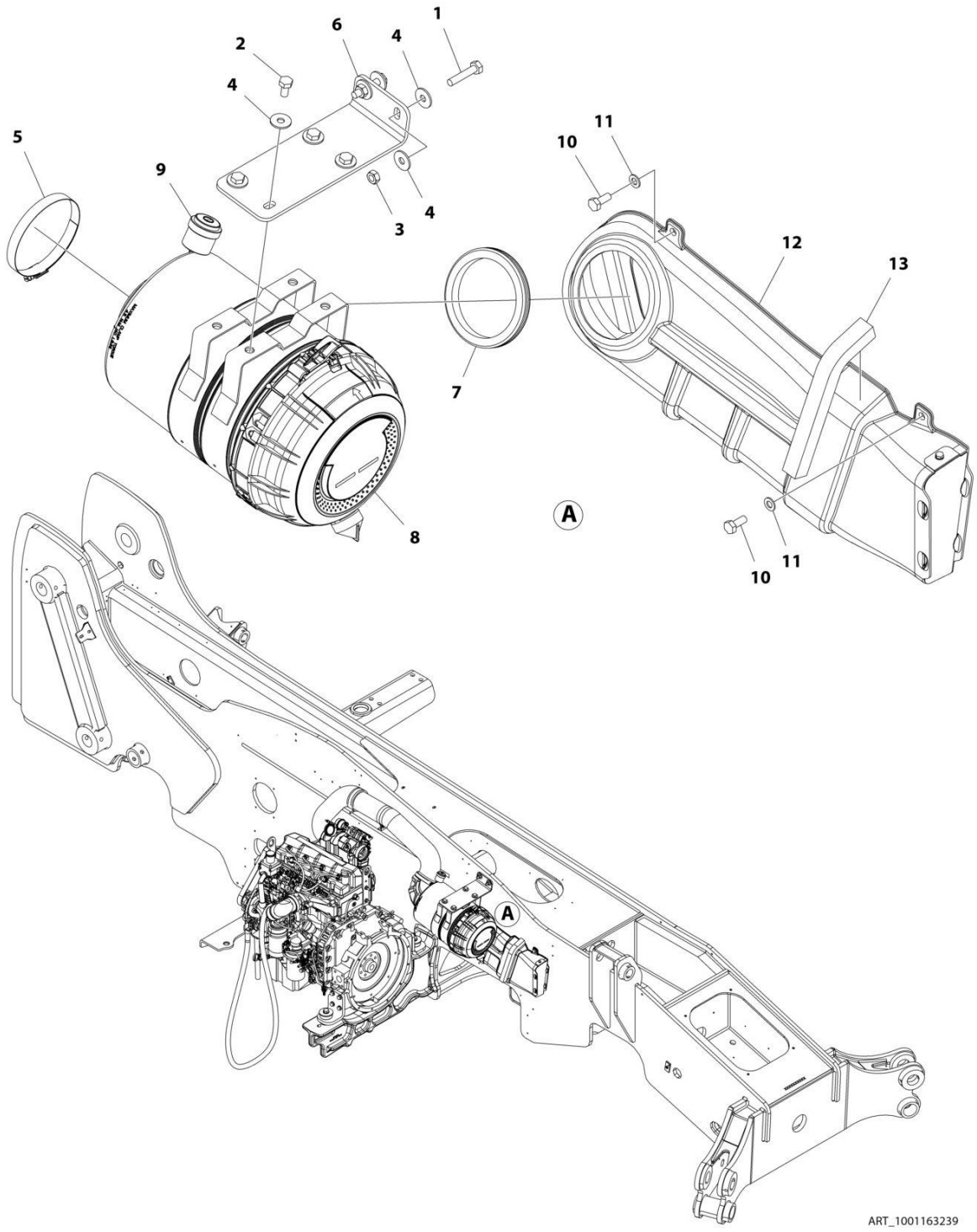


FIGURE 4-11. AIR CLEANER INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163239	Ref	AIR CLEANER INSTALLATION (LS)	F
1	0701018	2	Bolt M10 x 50	
2	0761010	4	Bolt M10 x 20	
3	3291001	2	Nut M10 x 1.5 Grade 8	
4	4812002	8	Washer M10	
5	8405402	1	Clamp	
6	1001194534	1	Bracket, Air Cleaner Mount	
7	1001183831	1	Grommet	
8	1001166565	1	Filter, Air Cleaner (See Separate Breakdown in this Section)	
9	1001166716	1	Indicator	
10	0761012	4	Bolt M10 x 25	
11	4812000	4	Washer M10	
12	1001183835	1	Installation, Duct Air Intake (See Separate Breakdown in this Section)	
13	1001186898	1	Seal	

FIGURE 4-12. AIR CLEANER ASSEMBLY, 74HP

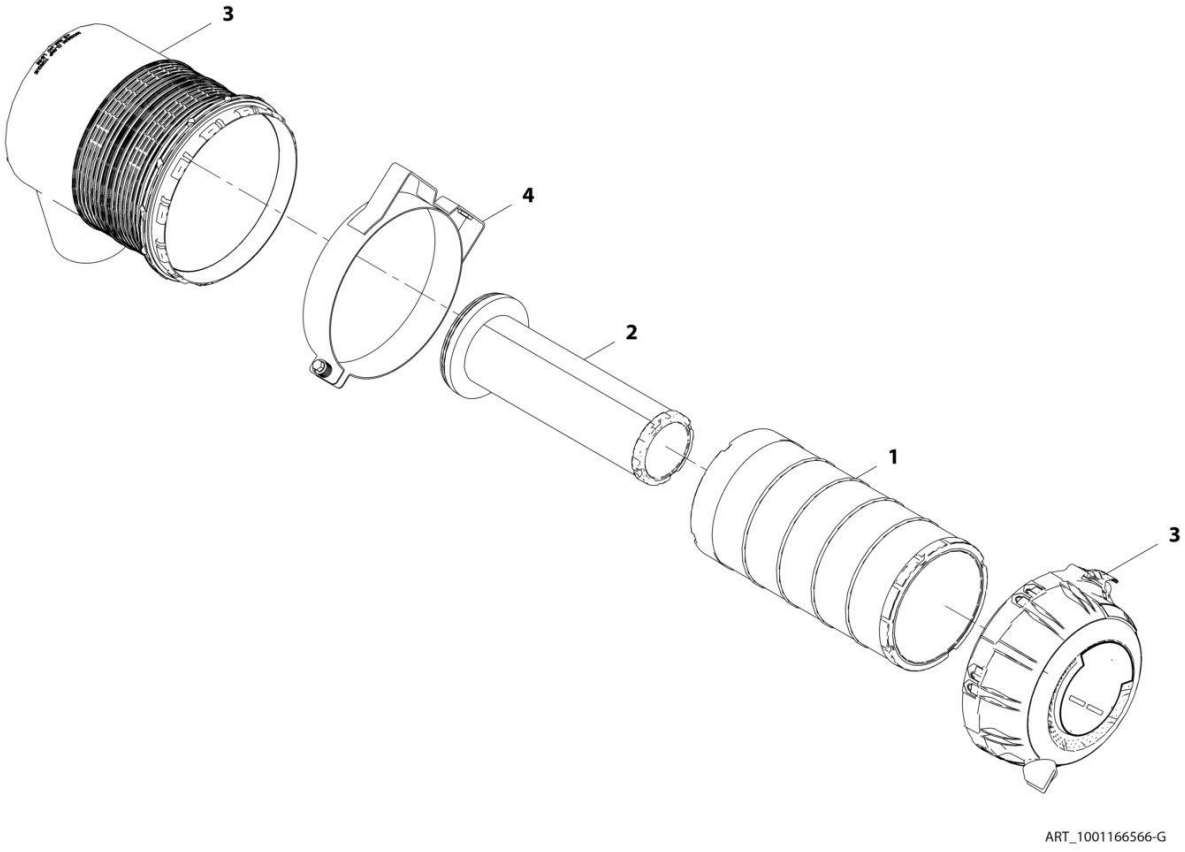


FIGURE 4-12. AIR CLEANER ASSEMBLY, 74HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166566	Ref	Air Cleaner Assembly (74.4KW)	G
1	70025852	1	Filter, Air Cylindrical Primary	
2	70025853	1	Filter, Air Cylindrical Secondary	
3	70026393	1	Cover, Air Cleaner	
4	70026394	1	Bracket, Mounting Band	

FIGURE 4-13. AIR CLEANER ASSEMBLY, 110HP

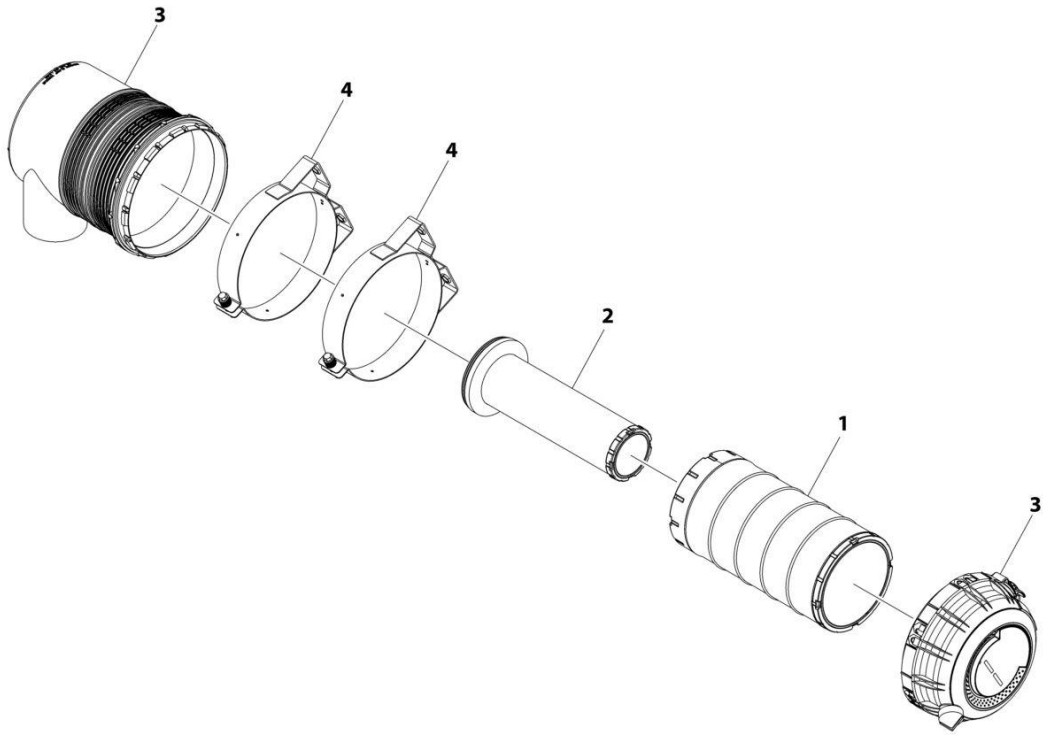


FIGURE 4-13. AIR CLEANER ASSEMBLY, 110HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166565	Ref	AIR FILTER ASSEMBLY (90/100KW)	F
1	70025850	1	Filter, Cylindrical Air Primary	
2	70025851	1	Filter, Cylindrical Air Secondary	
3	70026395	1	Cover	
4	70026396	2	Bracket	

FIGURE 4-14. AIR INTAKE DUCT INSTALLATION

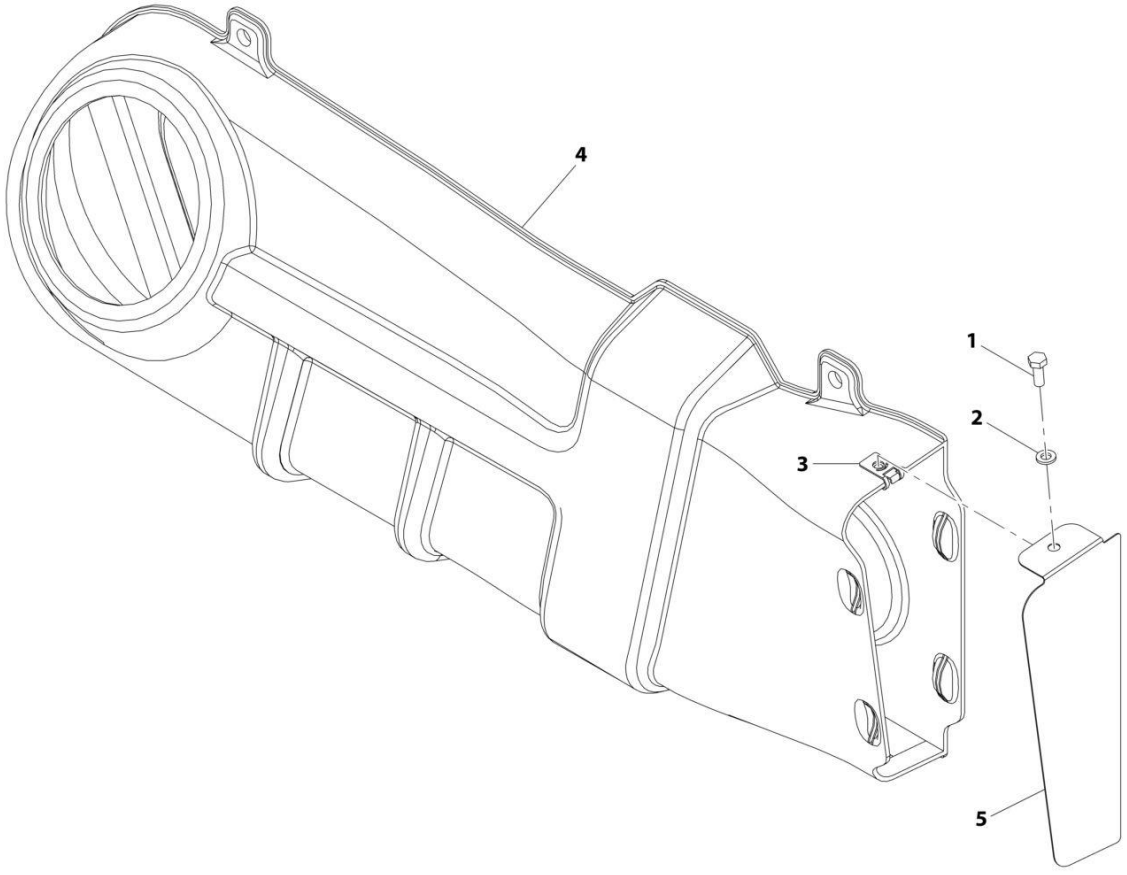


FIGURE 4-14. AIR INTAKE DUCT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001183835	Ref	Air Intake Duct Installation	C
1	0760608	1	Bolt, M6X16	
2	4811702	1	Washer, M6	
3	8305919	1	Nut	
4	1001183827	1	Duct	
5	1001183829	1	Plate	

FIGURE 4-15. AIR CLEANER LINES INSTALLATION (ULS)

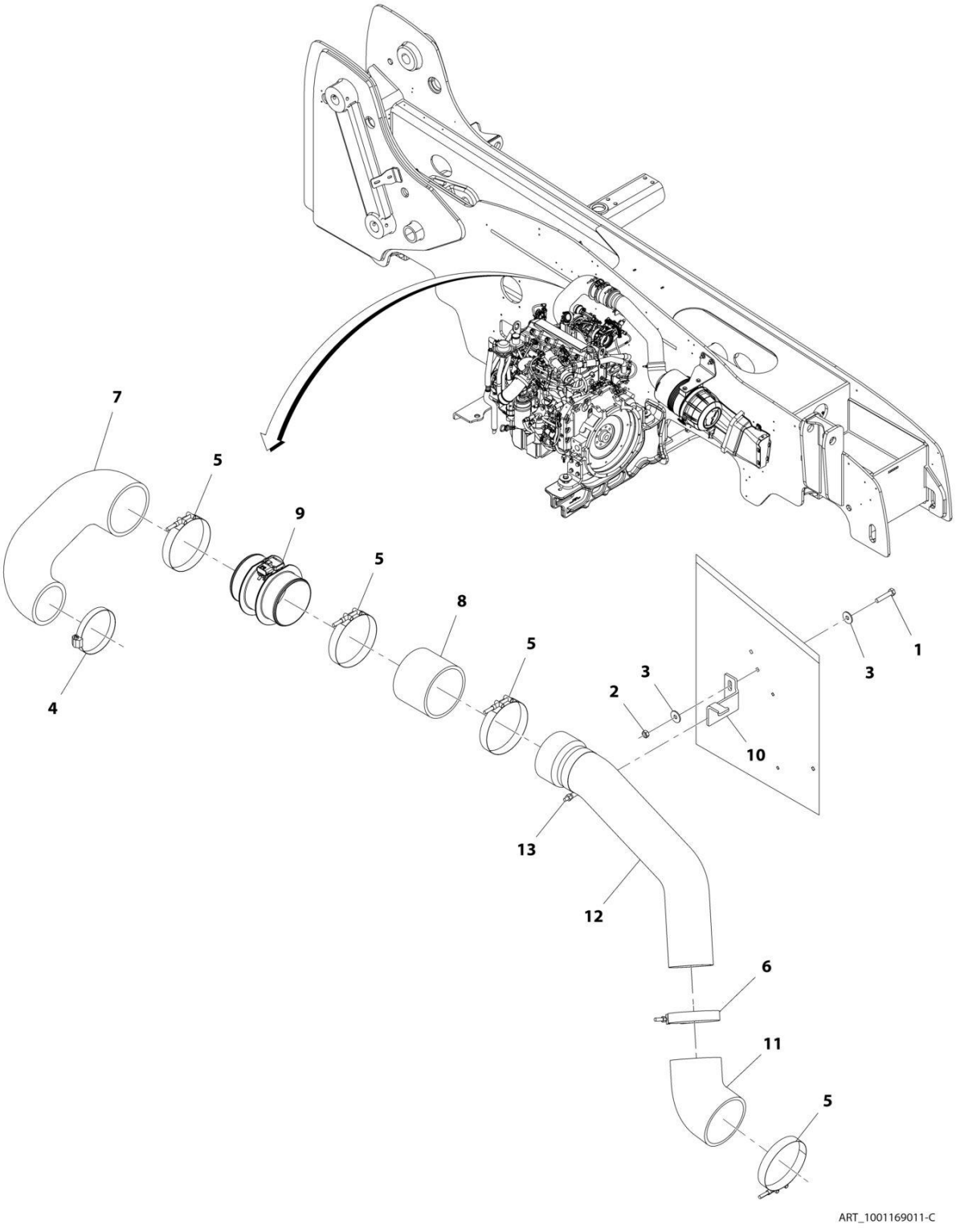


FIGURE 4-15. AIR CLEANER LINES INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169011	Ref	Air Cleaner Lines Installation	C
1	0700816	1	Bolt, M8X40	
2	3290801	1	Nut, M8X1.25 Grade 8	
3	4811902	2	Washer, M8	
4	8410011	1	Clamp	
5	80933367	4	Clamp	
6	91413025	1	Clamp	
7	1001166449	1	Hose	
8	1001166450	1	Hose	
9	1001168771	1	Tube	
10	1001169155	1	Bracket	
11	1001185505	1	Elbow	
12	1001185497	1	Tube	
13	8410007	1	Clamp, T-Bolt	

FIGURE 4-16. AIR CLEANER LINES INSTALLATION (LS)

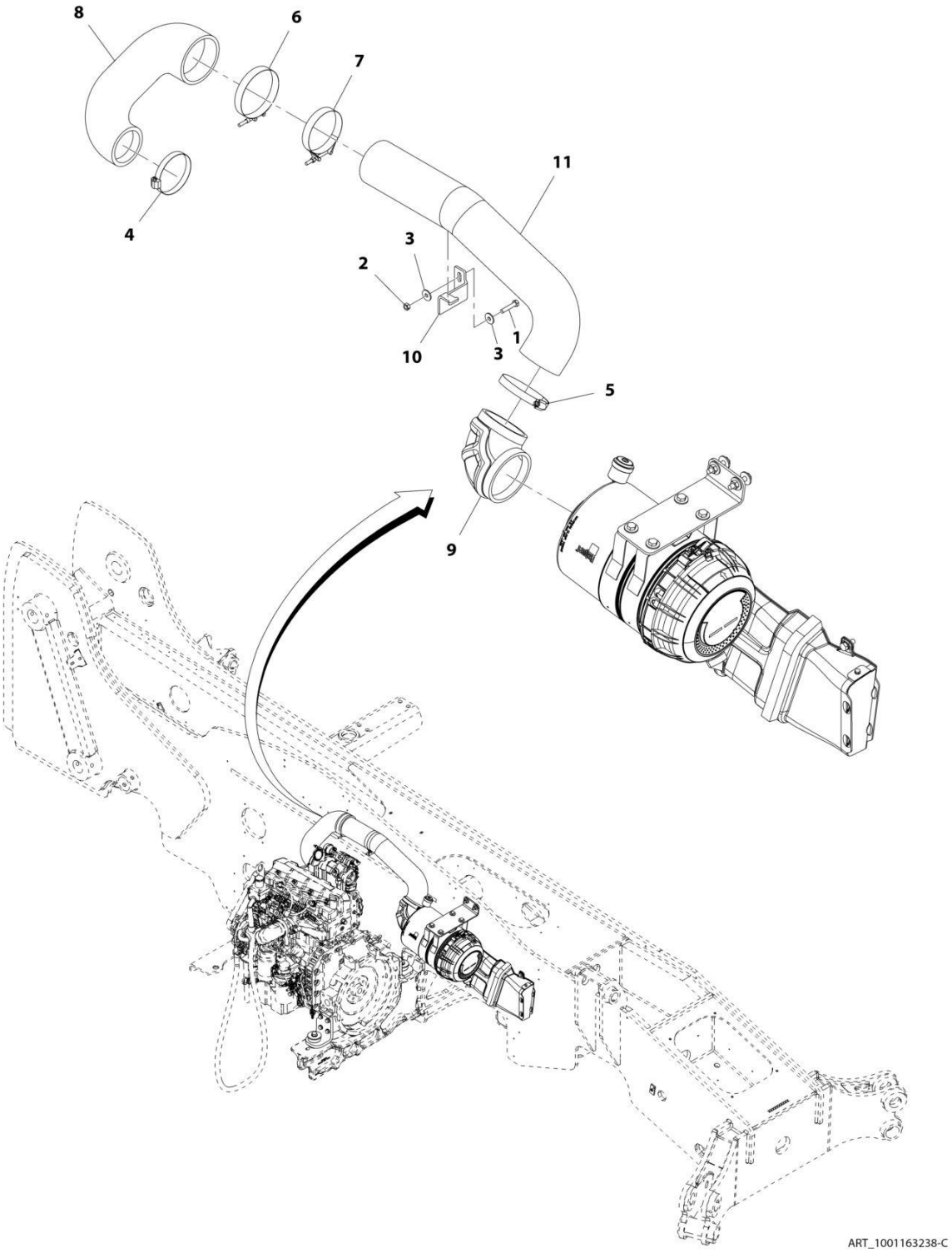


FIGURE 4-16. AIR CLEANER LINES INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163238	Ref	Air Intake Lines Installation (LS)	C
1	0700816	1	Bolt, M8X40	
2	3290801	1	Nut, M8X1.25 Grade 8	
3	4811902	2	Washer, M8	
4	8410011	1	Clamp	
5	10719267	1	Clamp	
6	80933367	1	Clamp	
7	91413025	1	Clamp	
8	1001166449	1	Hose	
9	1001166451	1	Elbow	
10	1001169155	1	Bracket	
11	1001185498	1	Tube	

FIGURE 4-17. AIR INTAKE SHUT OFF VALVE INSTALLATION

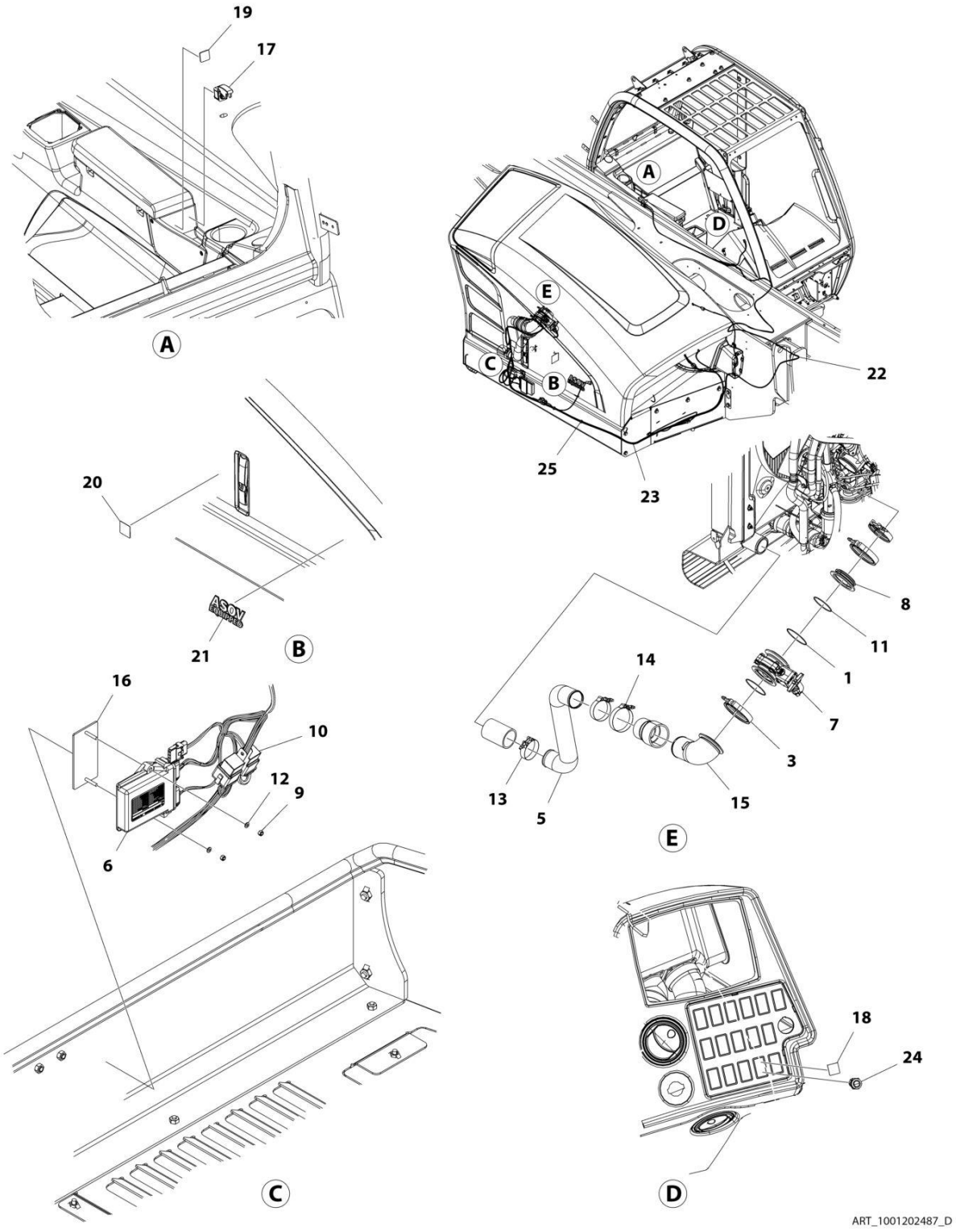


FIGURE 4-17. AIR INTAKE SHUT OFF VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202487	Ref	Air Intake Shut Off Valve Installation	D
1	3790152	2	Ring	
3	1001202247	2	Clamp	
5	1001202491	1	Pipe	
6	1001203181	1	Accessory, Control	
7	1001204032	1	Valve, Air Shut Off (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
8	1001206980	1	Plate	
9	3290505	2	Nut, Lock M5X0.8 Grade 8	
10	3740080	2	Relay	
11	3790151	1	O-Ring	
12	4811600	2	Washer, M5	
13	8405212	2	Clamp	
14	8405305	1	Clamp	
15	1001215476	1	Pipe	
16	1001219082	1	Bracket	
17	1001215941	1	Switch	
18	1001227077	1	Decal, Air Shut Off	
19	1001227964	1	Decal, ASOV Test	
20	1001228273	1	Decal, Air Shut Off	
21	1001228643	1	Decal, ASOV Equipped	
22	1001231407	1	Harness, Cab Air Shut Off Valve (See Separate Breakdown in ELECTRICAL Section)	
23	1001231483	1	Harness, Engine Air Shut Off Valve (See Separate Breakdown in ELECTRICAL Section)	
24	1001239539	1	Lamp	
25	91053419	AR	Strap, Cable	

FIGURE 4-18. HEATER BREATHER - 74 HP

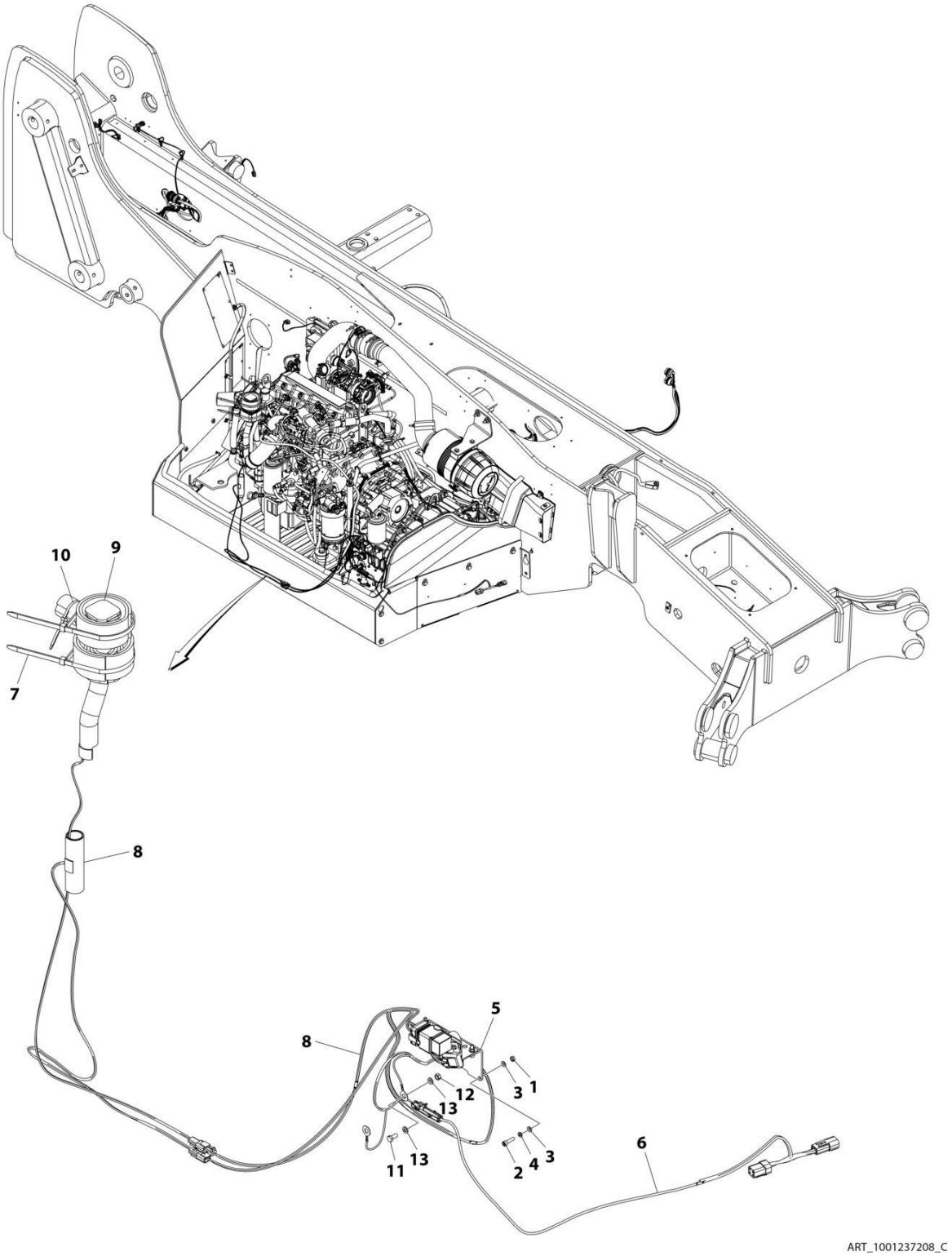


FIGURE 4-18. HEATER BREATHER - 74 HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237208	Ref	Heater Breather - 74 HP	C
1	3290501	4	Nut, M5X0.8	
2	4031608	4	Screw, M5X20	
3	4811600	8	Washer, M5	
4	4831600	4	Washer, Lock M5	
5	1001253331	1	Bracket	
6	1001237171	1	Harness, Cummins Breather Heater (See Separate Breakdown in Electrical Section)	
7	01043892	2	Strap, Tie	
8	1001232439	1	Engine, Cummins Breather Kit	
9	1001232624	1	Insulate, Cummins Insulation	
10	86683122	1	Strap, Tie	
11	0760607	1	Bolt, M6X1	
12	3290601	1	Nut, M6X1	
13	4811700	2	Washer, M6	

FIGURE 4-19. EXHAUST INSTALLATION, 74HP (ULS)

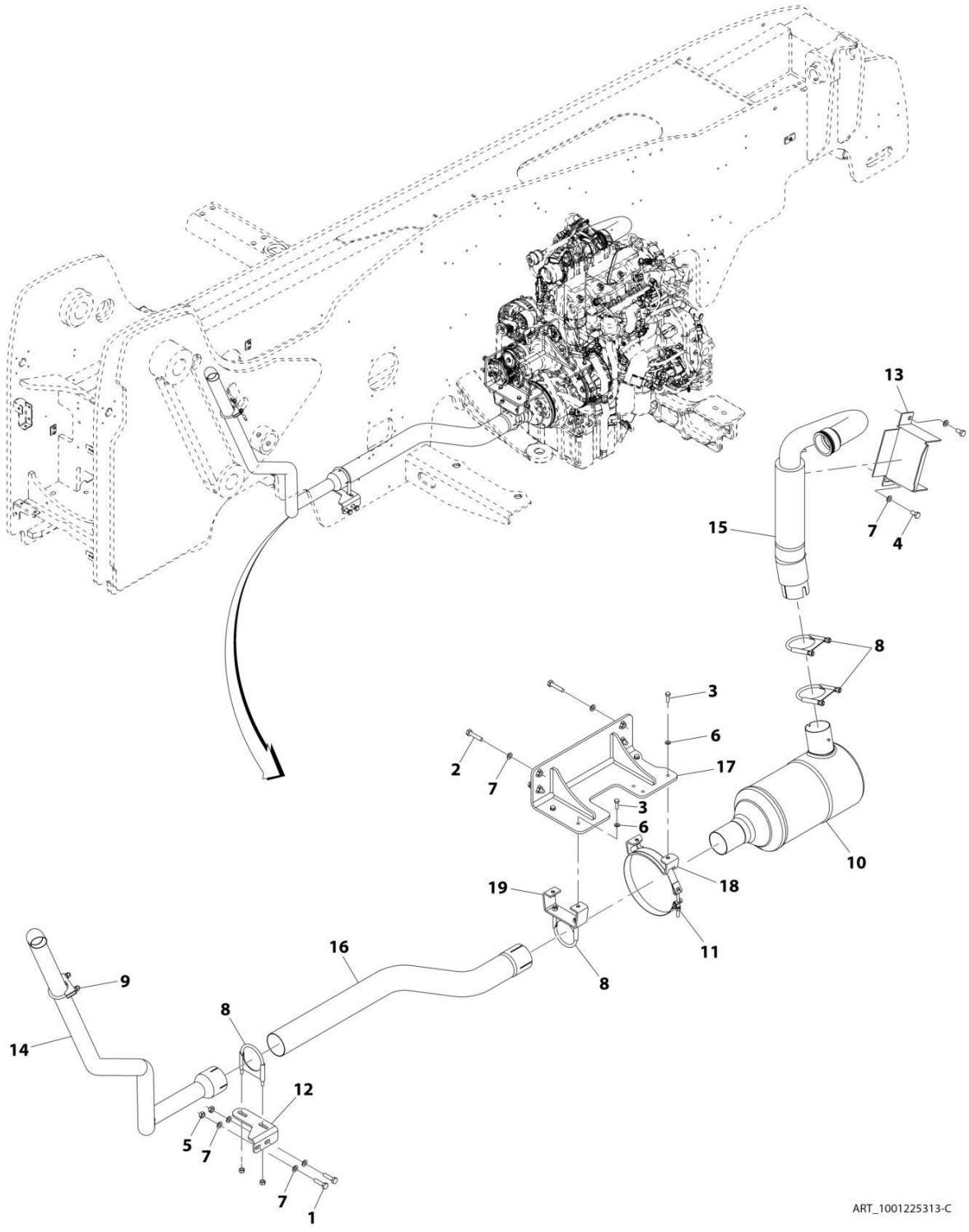


FIGURE 4-19. EXHAUST INSTALLATION, 74HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225313	Ref	Exhaust Installation (74HP) (ULS)	C
1	0701016	2	Bolt, M10X40	
2	0701018	4	Bolt, M10X50	
3	0760812	4	Bolt, M8X25	
4	0761010	2	Screw, M10X20	
5	3291001	2	Nut, M10X1.5	
6	4811900	4	Washer, M8	
7	4812000	10	Washer, M10	
8	24921332	4	Clamp	
9	86683211	1	Clamp	
10	1001128714	1	Muffler	
11	1001128901	1	Strap	
12	1001162281	1	Support	
13	1001228516	1	Bracket	
14	1001204144	1	Pipe	
15	1001224030	1	Pipe	
16	1001224031	1	Pipe	
17	1001227234	1	Bracket	
18	1001225126	1	Bracket	
19	1001225402	1	Bracket	

FIGURE 4-20. EXHAUST INSTALLATION, 110HP (ULS)

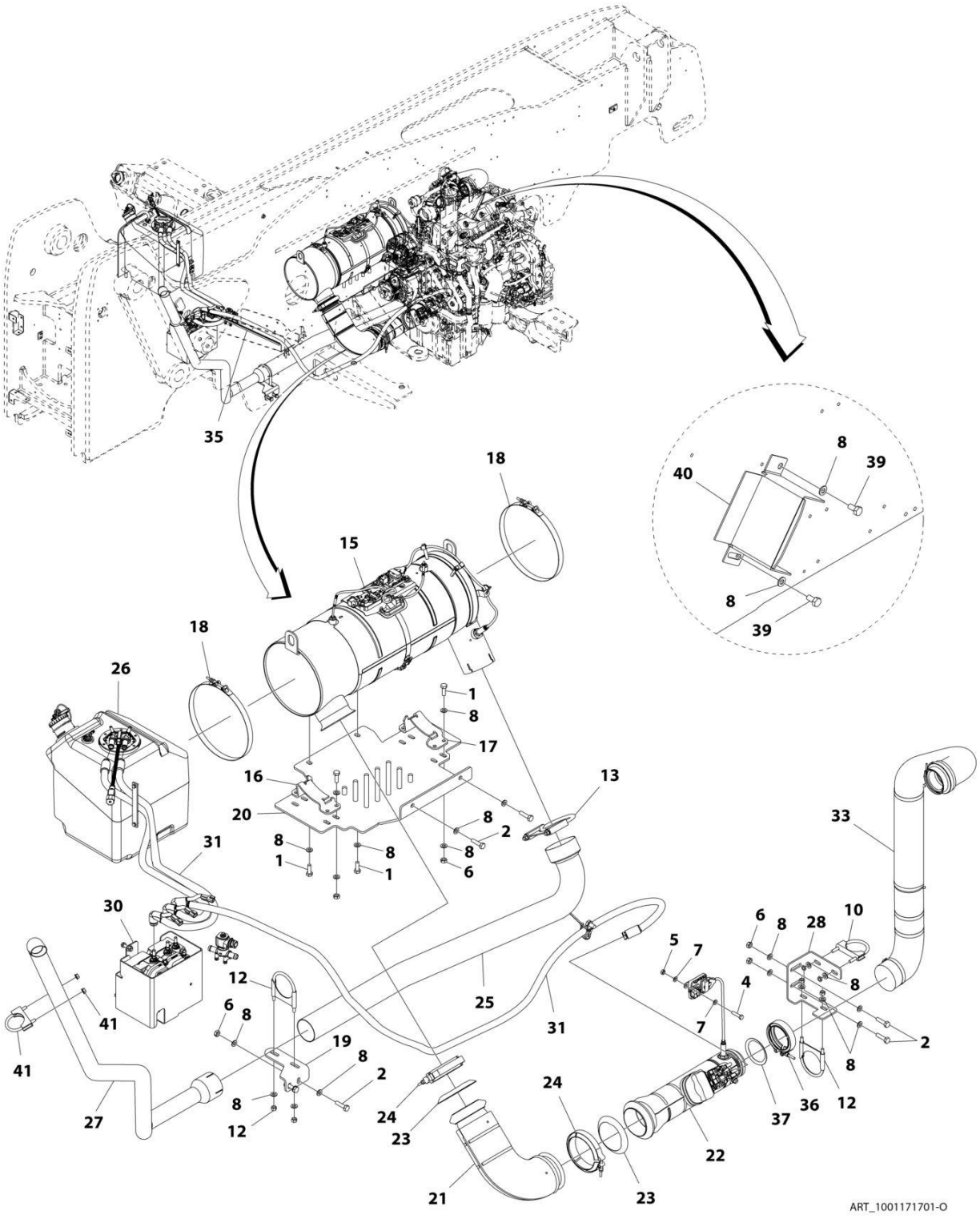


FIGURE 4-20. EXHAUST INSTALLATION, 110HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171701	1	Exhaust Installation (ULS)	O
1	0701014	10	Bolt, M10X30	
2	0701016	6	Bolt, M10X40	
4	0760815	2	Bolt, M8X35	
5	3290801	2	Nut, M8X1.25	
6	3291001	12	Nut, M10X1.5	
7	4811900	4	Washer, M8	
8	4812000	36	Washer, M10	
10	8275212	1	Clamp	
12	24921332	2	Clamp	
13	86883127	1	Clamp	
15	1001155261	1	Muffler	
16	1001159881	1	Bracket	
17	1001159882	1	Bracket	
18	1001176945	2	Strap	
19	1001162281	1	Support	
20	1001162597	1	Bracket	
21	1001163546	1	Pipe	
22	1001164404	1	Tube, Decomposition Reactor	
23	1001164837	2	Gasket	
24	1001164838	2	Clamp	
25	1001168560	1	Pipe	
26	1001168638	Ref	Installation, DEF Tank (See Separate Breakdown in this Section)	
27	1001204144	1	Pipe	
28	1001183836	1	Bracket	
30	1001174271	Ref	Installation, DEF Pump and Control (See Separate Breakdown in this Section)	
31	1001163253	Ref	Installation, DEF Pump Lines (See Separate Breakdown in this Section)	
33	1001183759	1	Pipe	
35	90206195	490 mm	Trim-Lock	
36	1001167167	1	Clamp	
37	1001167168	1	Seal	
39	0761010	2	Bolt, M10X20	
40	1001179206	1	Bracket	
41	86683211	1	Clamp	

FIGURE 4-21. EXHAUST INSTALLATION, 110HP (LS)

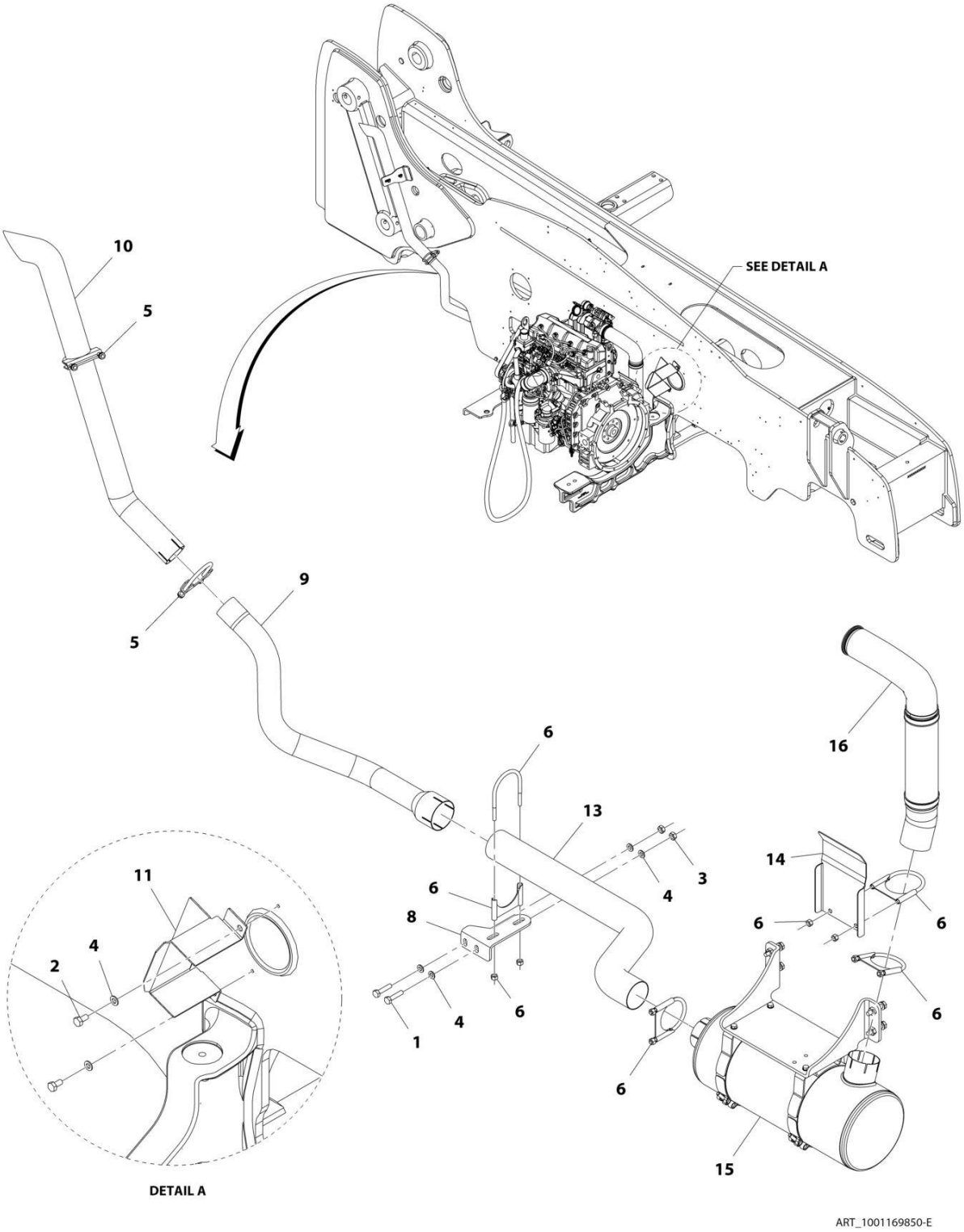


FIGURE 4-21. EXHAUST INSTALLATION, 110HP (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169850	Ref	Exhaust Installation (LS)	E
1	0701017	2	Bolt, M10X45	
2	0761010	2	Bolt, M10X20	
3	3291001	2	Nut, M10X1.5	
4	4812000	6	Washer, M10	
5	8275212	2	Clamp, Exhaust	
6	24921332	4	Clamp, Exhaust	
8	1001162281	1	Bracket, Exhaust	
9	1001208186	1	Pipe, Exhaust	
10	1001173626	1	Pipe, Exhaust	
11	1001179206	1	Bracket, Heat Shield	
13	1001179972	1	Pipe, Exhaust	
14	1001181815	1	Plate, Heat Shield	
15	1001179968	1	Installation, Muffler (LS) (See Separate Breakdown in this Section)	
16	1001191348	1	Pipe, Exhaust Flex	

FIGURE 4-22. MUFFLER INSTALLATION (LS)

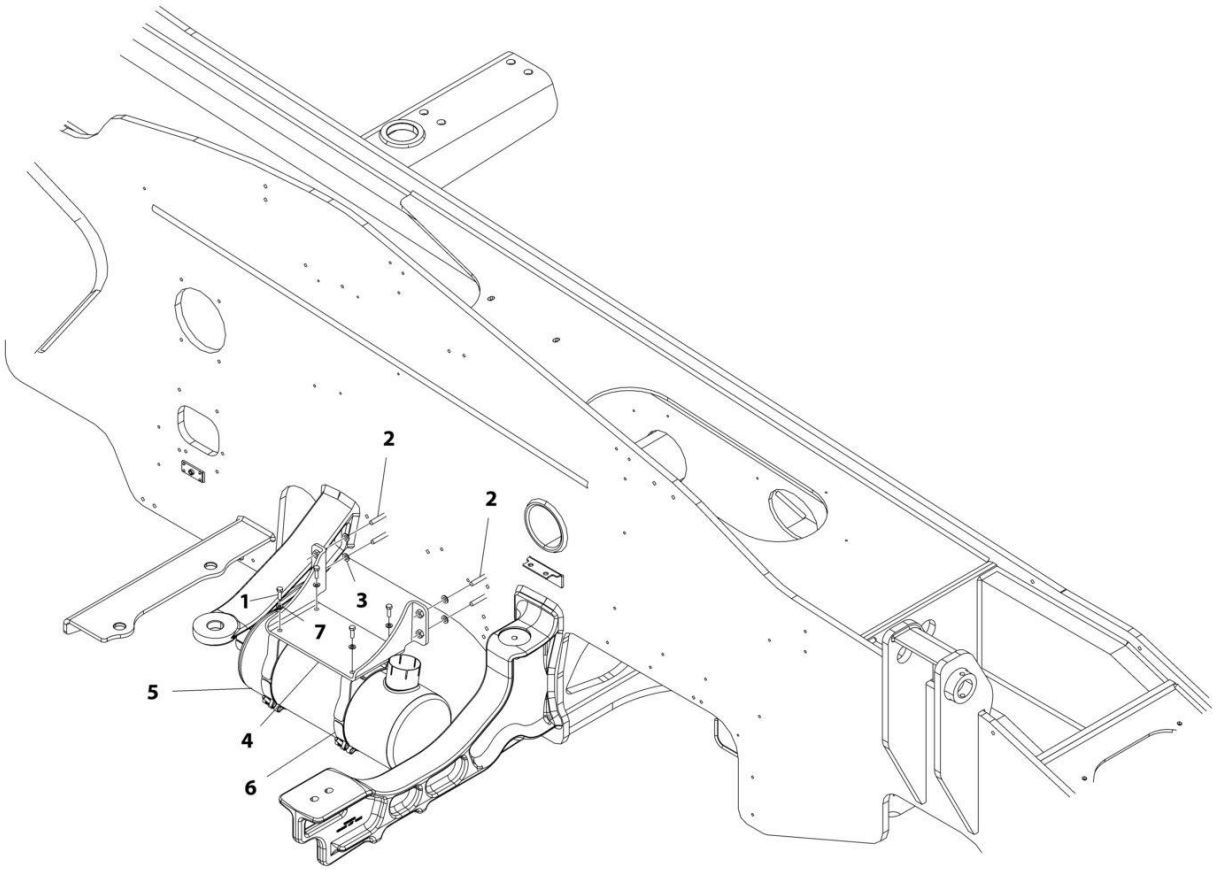


FIGURE 4-22. MUFFLER INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179968	Ref	Muffler Installation (LS)	D
1	0760812	4	Bolt, M8X25	
2	0701017	4	Bolt, M10X45	
3	4812000	4	Washer, M10	
4	1001179973	1	Bracket	
5	1001180226	1	Muffler	
6	1001180227	2	Clamp, Muffler	
7	4811900	4	Washer, M8	

FIGURE 4-23. DEF TANK INSTALLATION

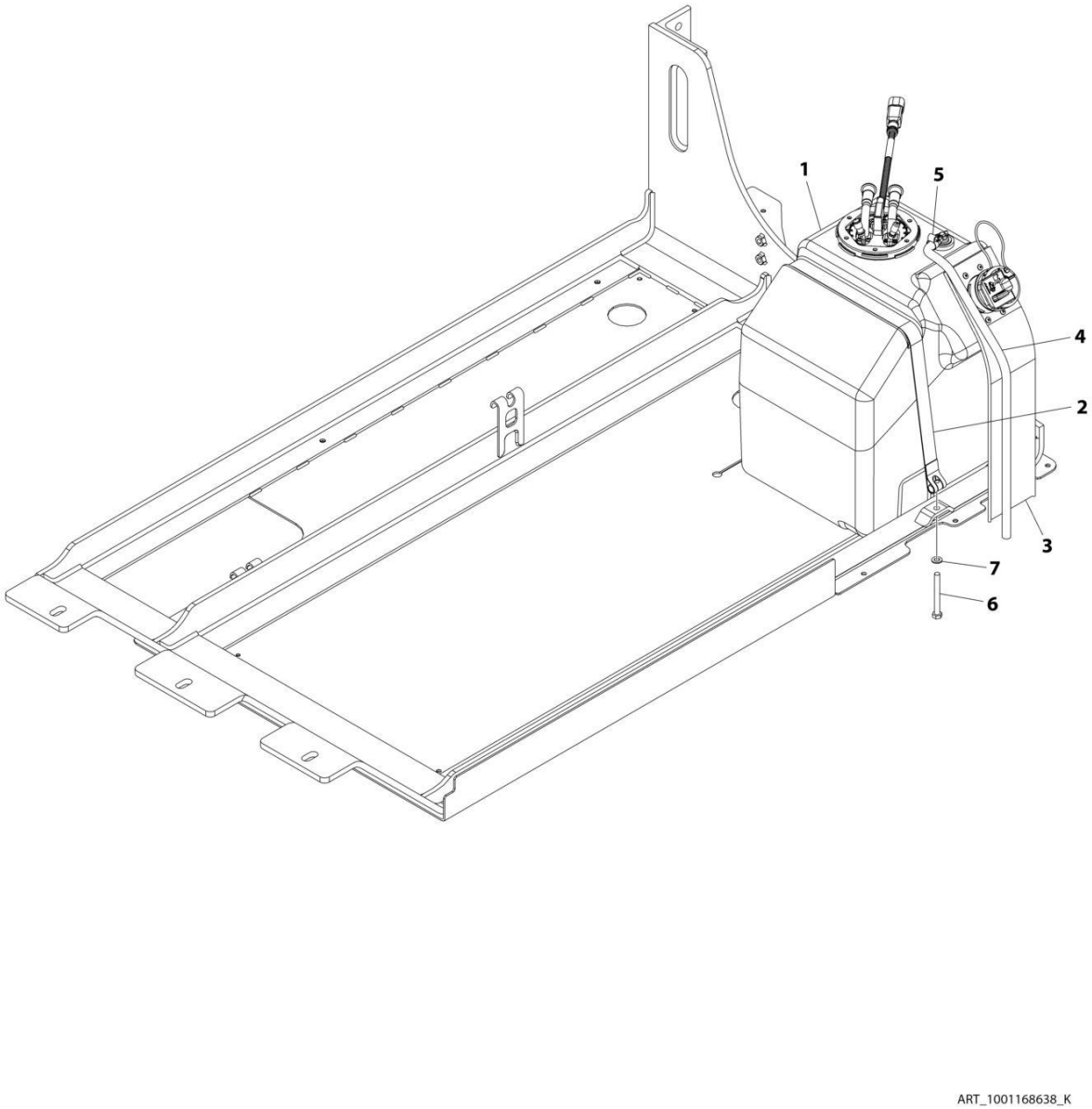


FIGURE 4-23. DEF TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168638	Ref	DEF TANK INSTALLATION	K
1	1001279210	1	Tank, DEF (See Separate Breakdown in this Section)	
2	1001178791	1	Strap, Tank	
3	1001168272	1	Sleeve	
4	1001175201	0.6 m	Hose	
5	8405009	1	Clamp, Gear	
6	0760823	1	Bolt M8 x 75	
7	4811900	1	Washer M8	

FIGURE 4-24. DEF TANK ASSEMBLY

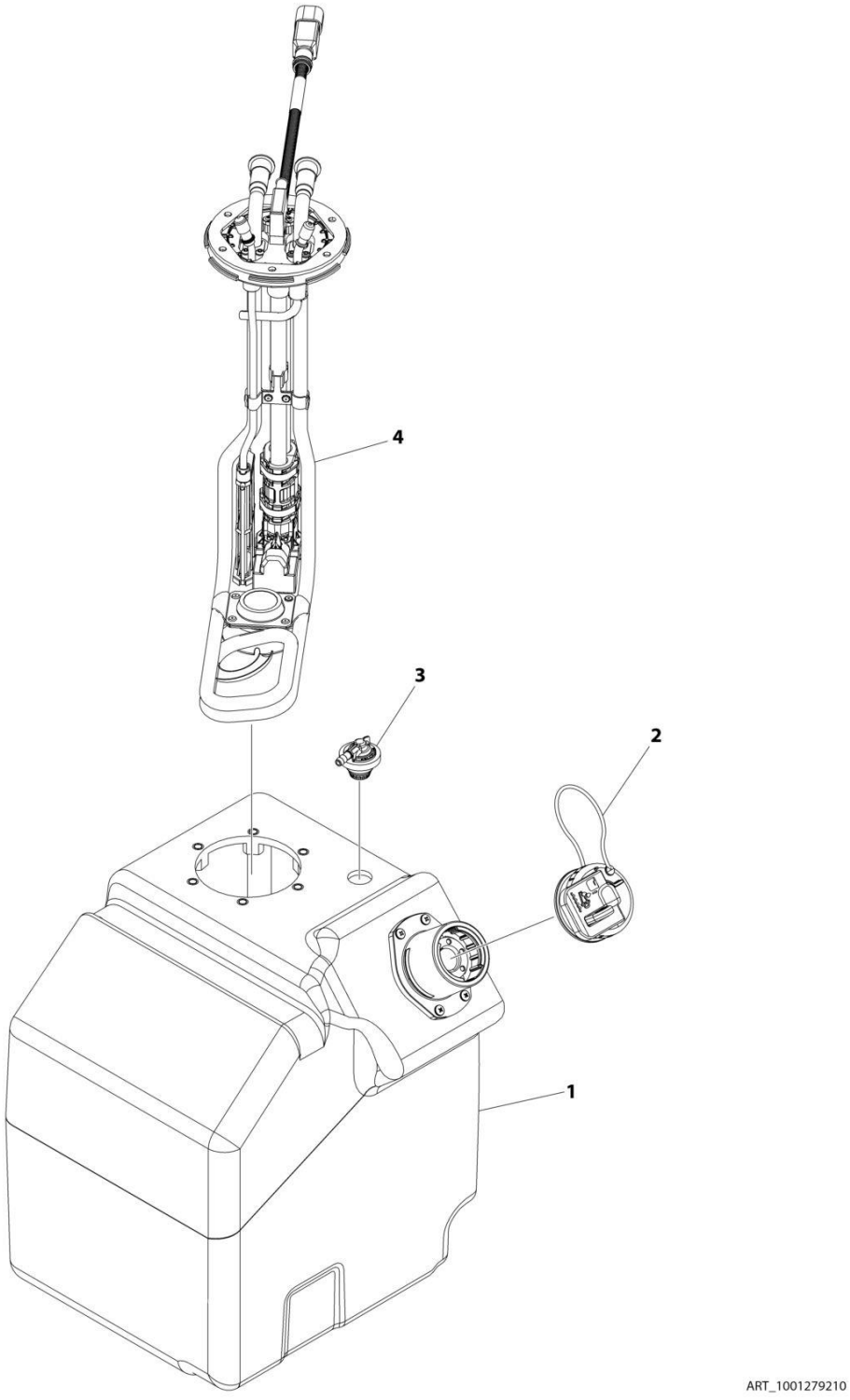


FIGURE 4-24. DEF TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001279210	Ref	DEF TANK ASSEMBLY	A
1	1001164967	1	Tank	
2	1001174795	1	Cap	
3	1001215319	1	Valve (See Separate Breakdown in this Section)	
4	1001278919	1	Assembly, DEF Electrical	

FIGURE 4-25. DEF BREATHER VALVE

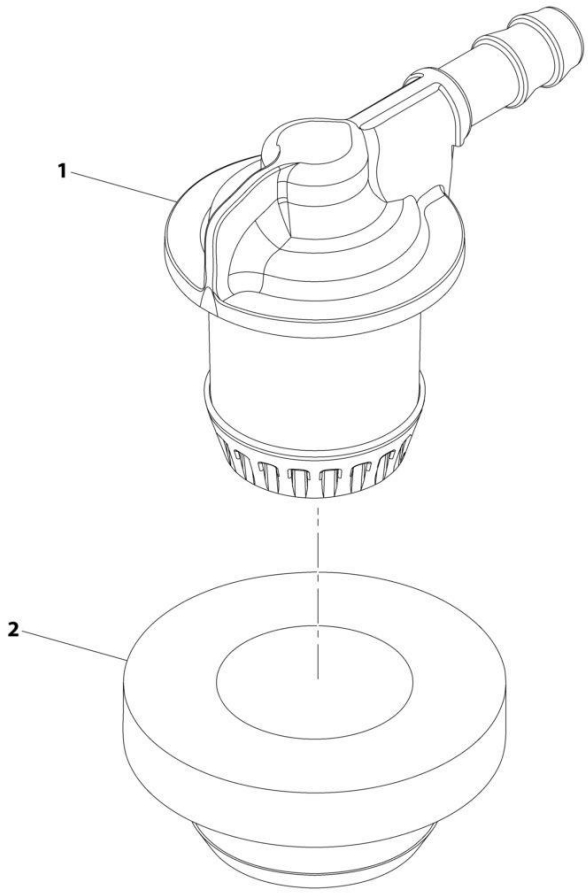


FIGURE 4-25. DEF BREATHER VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215319	Ref	DEF Breather Valve	B
1	1001239510	1	Valve, DEF Breather	
2	1001239511	1	Grommet, DEF Breather	

FIGURE 4-26. DEF PUMP AND CONTROL INSTALLATION

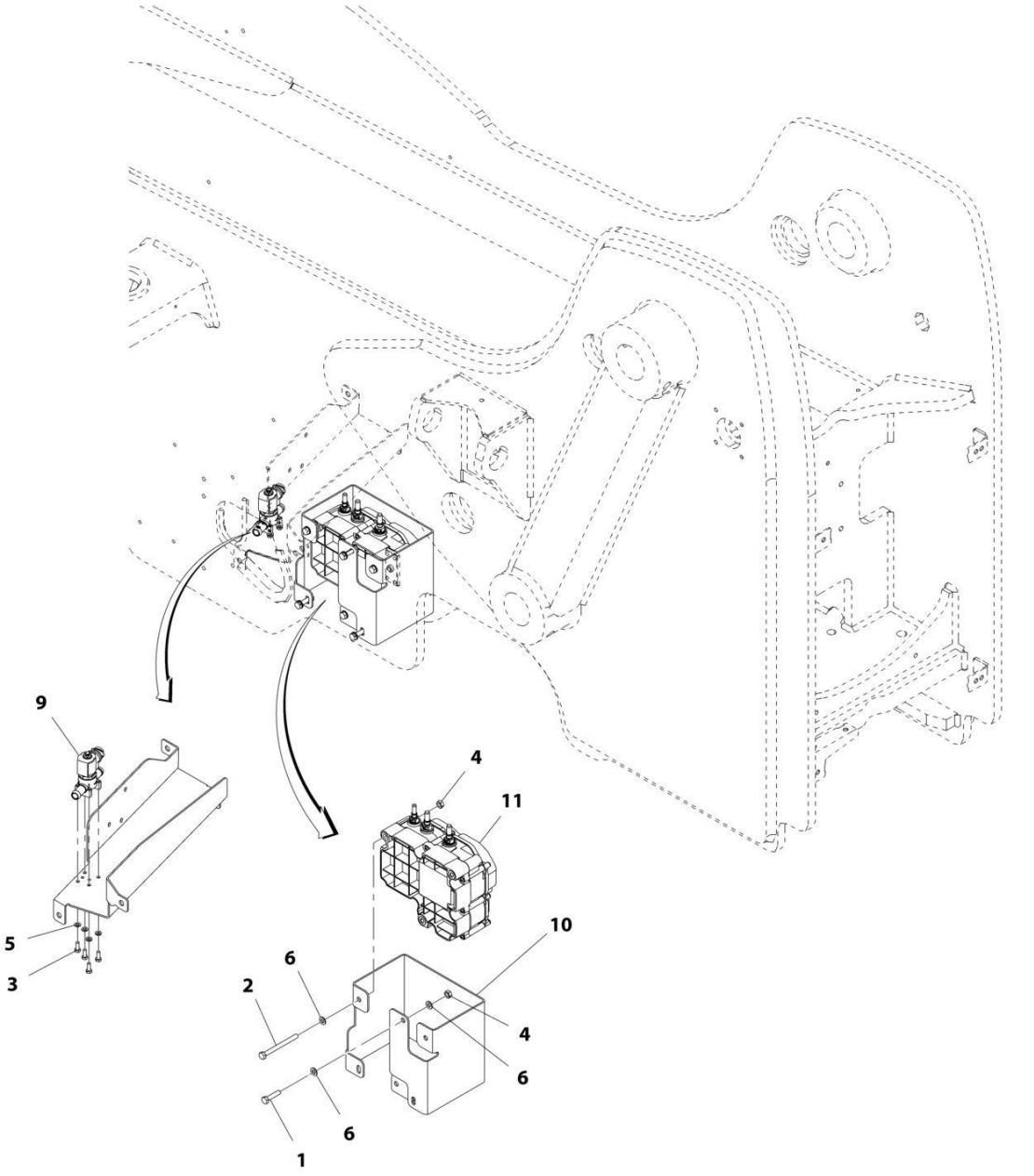


FIGURE 4-26. DEF PUMP AND CONTROL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174271	Ref	DEF Pump and Control Installation	H
1	0700815	3	Bolt, M8X35	
2	0700826	3	Bolt, M8X90	
3	0760608	4	Bolt, M6X16	
4	3290801	5	Nut, M8X1.25	
5	4811700	4	Washer, M6	
6	4811900	8	Washer, M8	
9	1001199670	1	Valve, DEF Tank Coolant Flow	
10	1001191168	1	Bracket	
11	1001213210	1	Pump, Urea (See Separate Breakdown in this Section)	

FIGURE 4-27. UREA PUMP

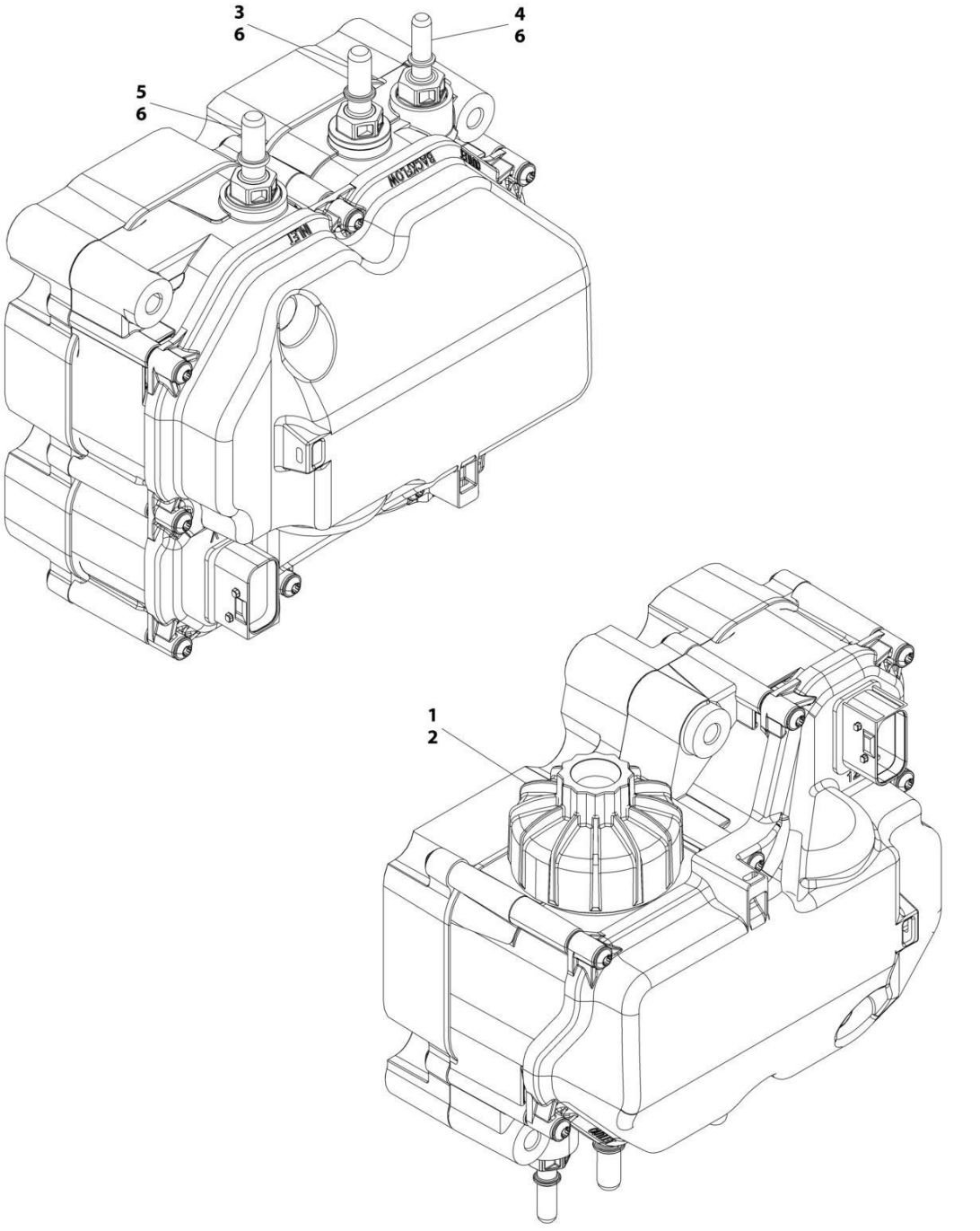


FIGURE 4-27. UREA PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213210	Ref	DEF Module Pump	A
1	70026248	1	Kit, Filter	
2	70026247	1	Cap, Filter	
3	70027705	1	Connector, Male (Backflow)	
4	70026245	1	Connector, Male (Outlet)	
5	70026244	1	Connector, Male (Inlet)	
6	70027706	3	Gasket, Circular (O-Ring)	

FIGURE 4-28. DEF PUMP LINES INSTALLATION

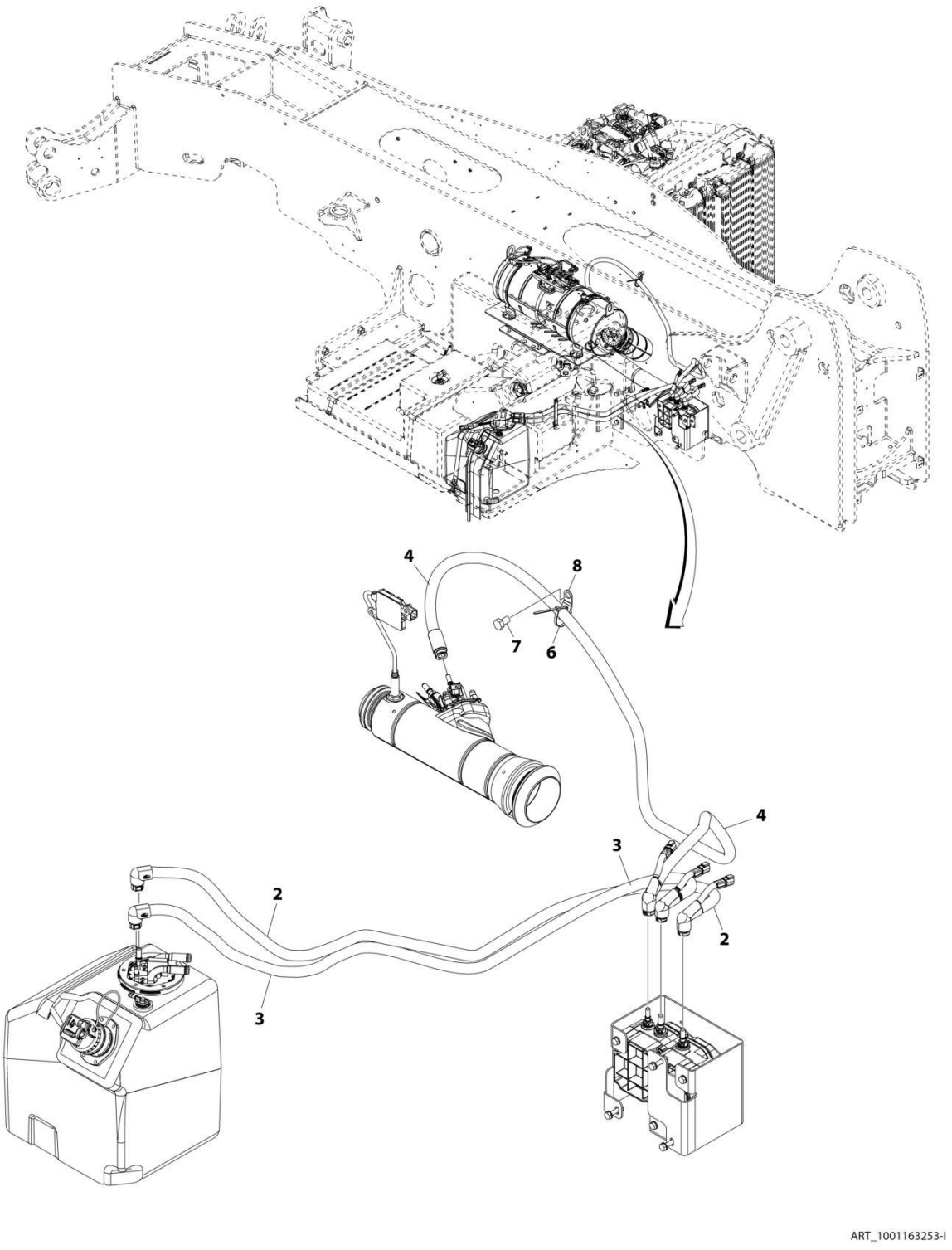


FIGURE 4-28. DEF PUMP LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163253	Ref	DEF Pump Lines Installation	I
1	0760607	AR	Bolt, M6X14	
2	1001231002	1	Hose	
3	1001231003	1	Hose	
4	1001167971	1	Hose	
5	1001196440	AR	Plate, Retainer	
6	8881802	1	Strap, Tie	
7	0761210	1	Bolt, M12X20	
8	1001025750	1	Clip	
9	4831700	AR	Washer, Lock M6	

FIGURE 4-29. DEF LINES INSTALLATION

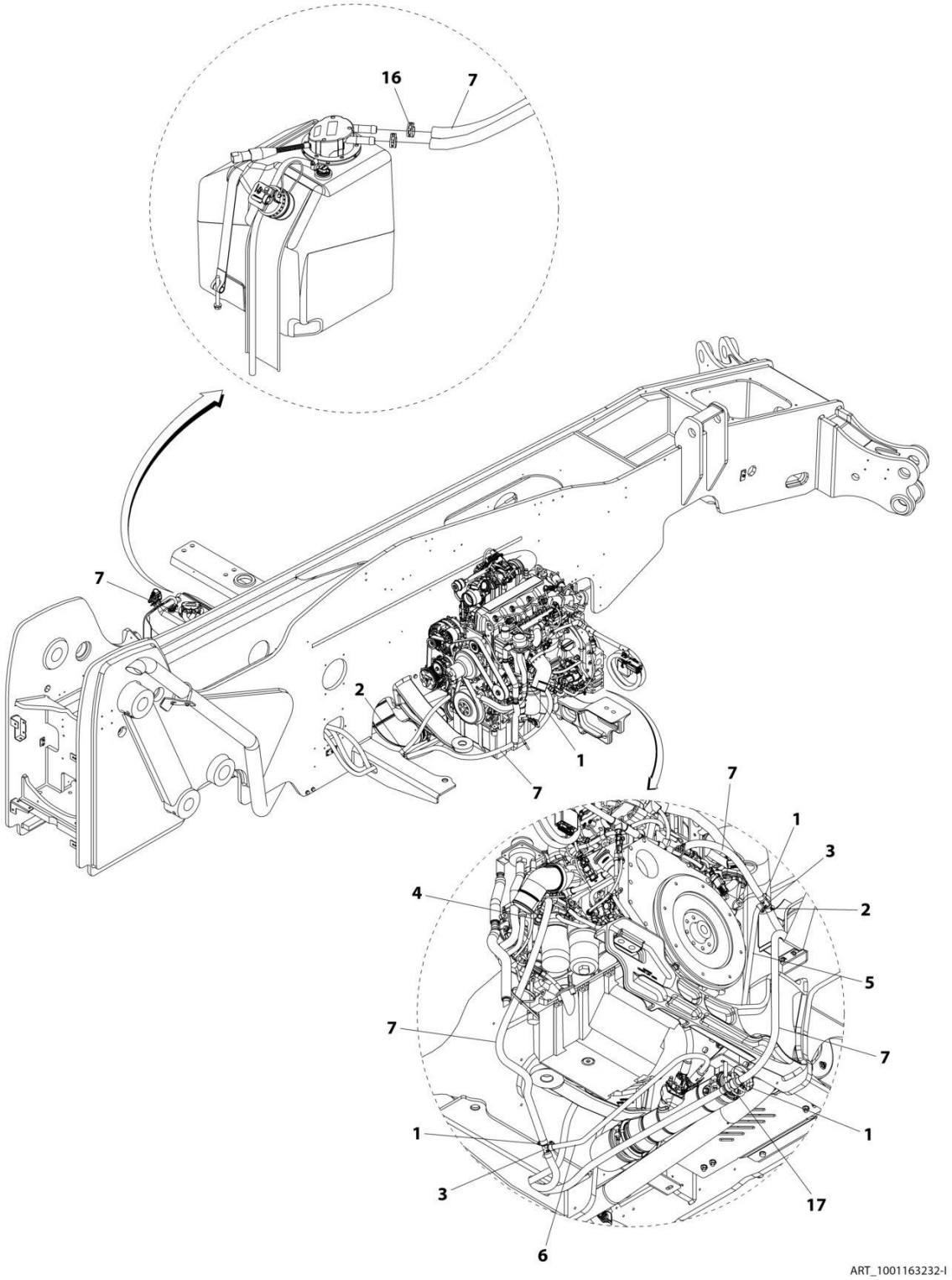
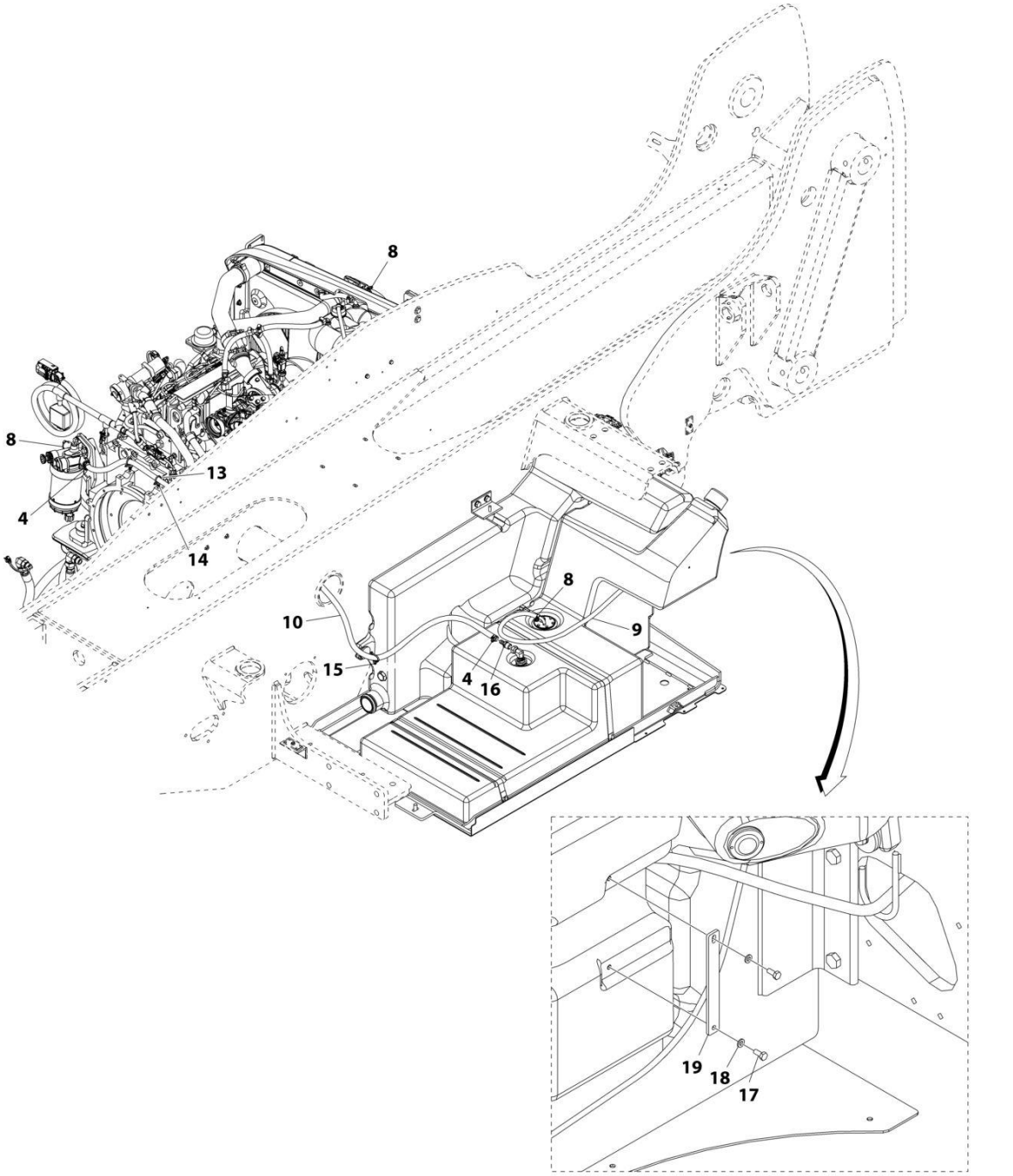
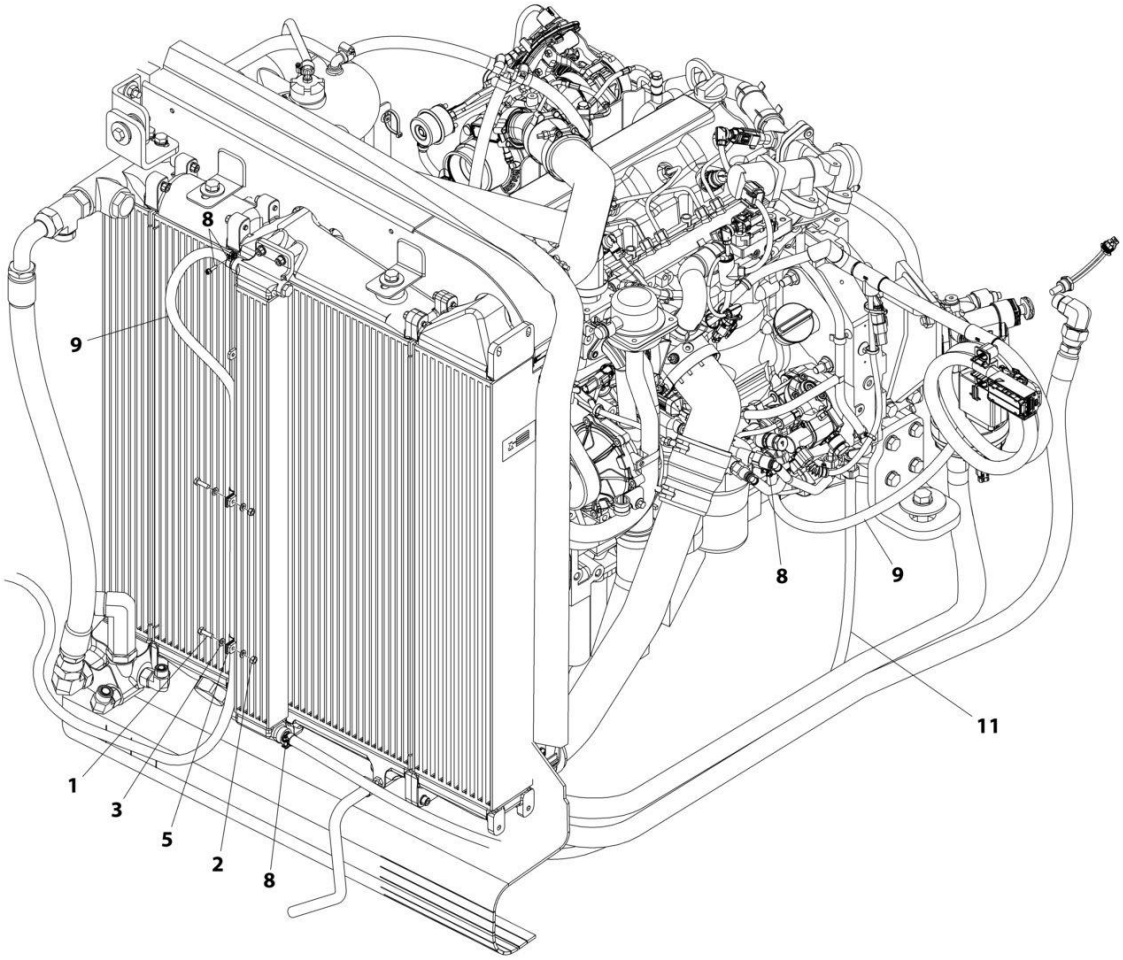


FIGURE 4-29. DEF LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163232	Ref	DEF Lines Installation	I
1	8410009	10	Gear Clamp	
2	8410013	2	Gear Clamp	
3	1001162212	2	Pipe	
4	1001168822	1	Pipe	
5	1001169409	1	Hose	
6	1001169410	1	Hose	
7	82033995	6.9 m	Hose	
16	1001202526	2	Clamp	
17	1001228872	1	Filter	

FIGURE 4-30. FUEL LINES INSTALLATION (ULS)



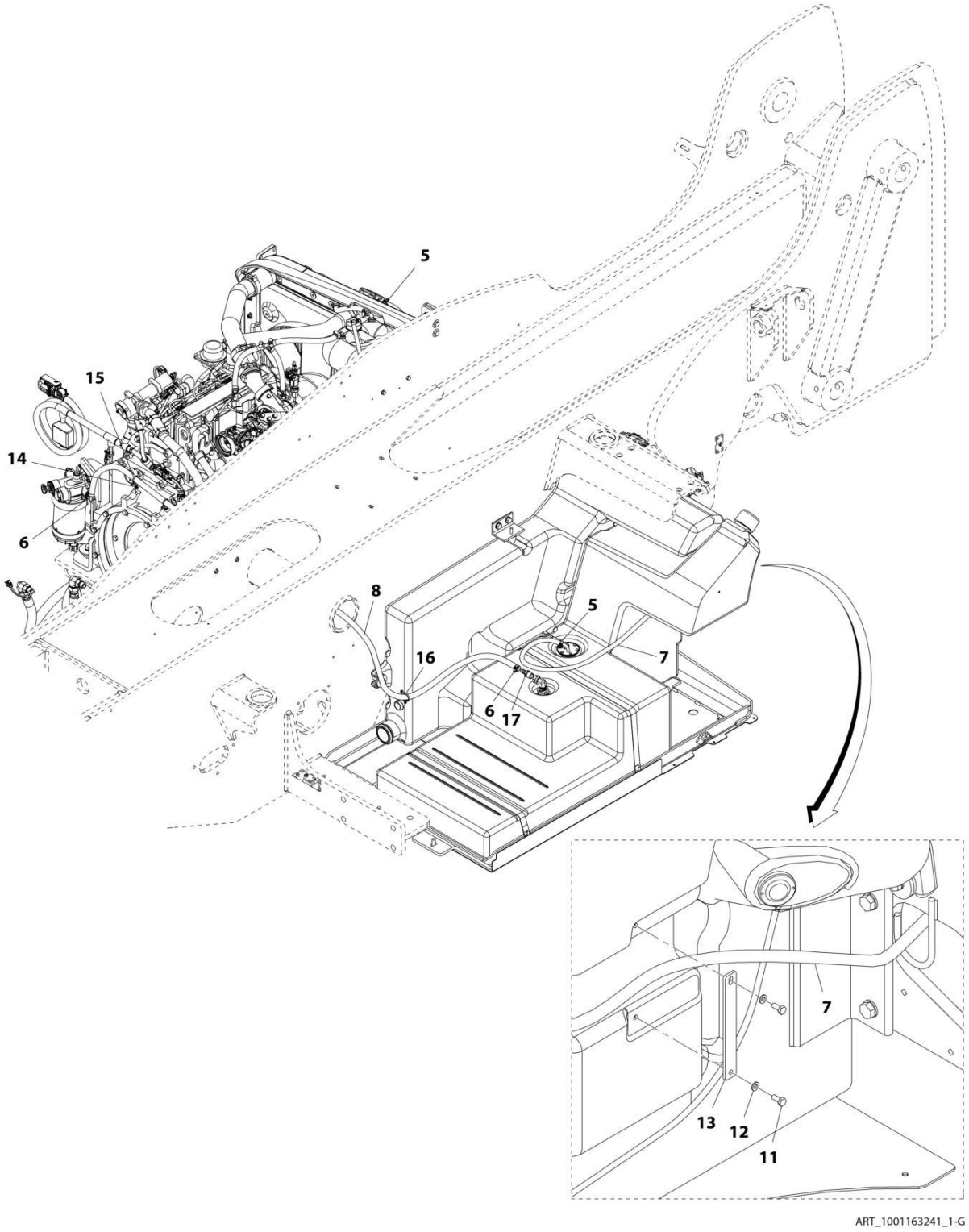


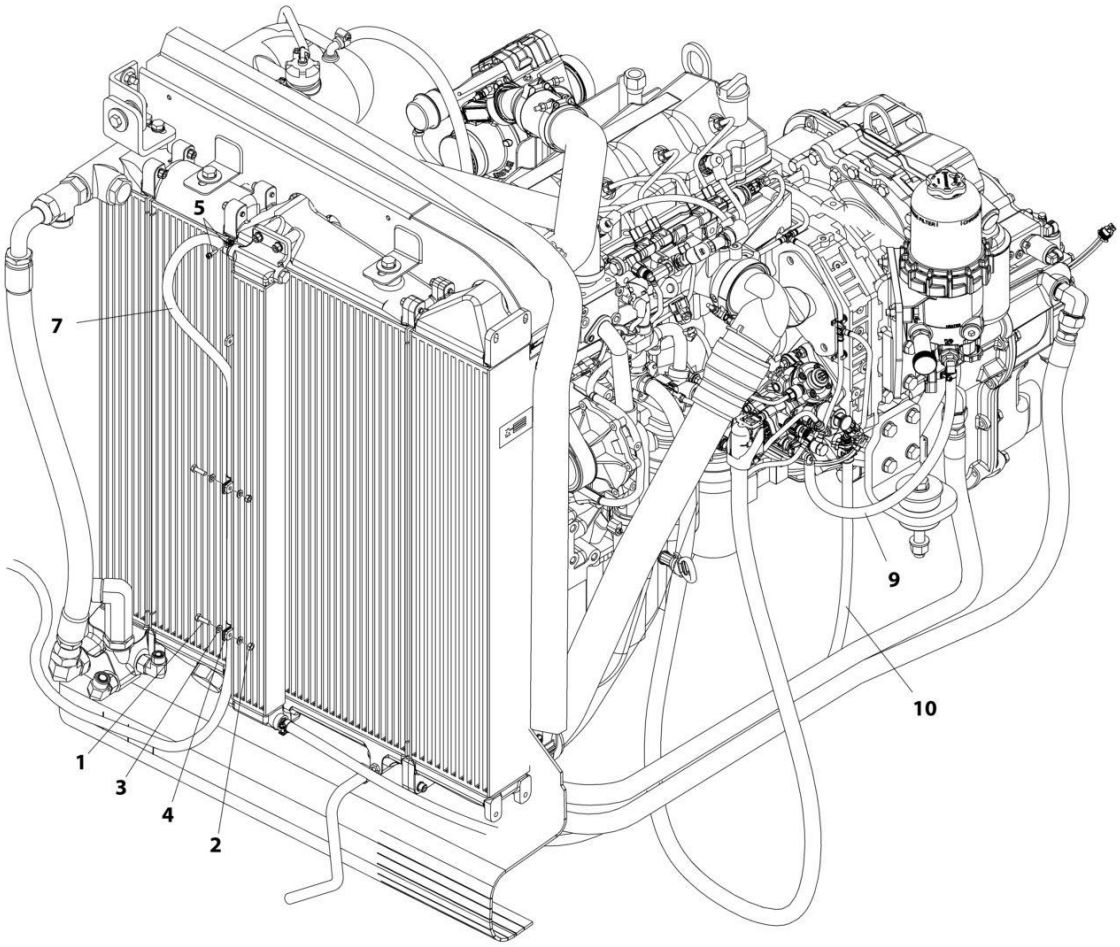
ART_1001163231_2-J

FIGURE 4-30. FUEL LINES INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163231	Ref	Fuel Lines Installation	J
1	0700610	2	Bolt, M6X20	
2	3290601	2	Nut, M6X1 Grade 8	
3	4811700	4	Washer, M6	
4	1001186342	2	Clip, Hose	
5	8406112	2	Clip, Tube	
8	1001136975	5	Clamp	
9	1001141400	4.3 m	Hose	
10	1001172755	2.4 m	Hose	
11	1001197299	1	Hose	
13	1001008559	2	Strap	
14	1001202986	2	Strap, Fir Tree Push Mount	
15	1001146588	1	Strap	
16	1001206588	1	Fitting	
17	0760607	2	Nut, M6X14	
18	4831700	2	Washer, Lock M6	
19	1001196440	1	Plate, Retainer	

FIGURE 4-31. FUEL LINES INSTALLATION (LS)





ART_1001163241_2-G

FIGURE 4-31. FUEL LINES INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163241	Ref	Fuel Lines Installation (LS)	G
1	0700610	2	Bolt, M6X20	
2	3290601	2	Nut, M6X1 Grade 8	
3	4811700	4	Washer, M6	
4	8406112	2	Clip	
5	1001136975	4	Clamp	
6	1001186342	2	Clip	
7	1001141400	3.7 m	Hose	
8	1001172755	2.4 m	Hose	
9	1001190980	1	Hose	
10	1001197299	1	Hose	
11	0760607	2	Bolt, M6X14	
12	4831700	2	Washer, Lock M6	
13	1001196440	1	Plate, Retainer	
14	1001202986	2	Strap, Fir Tree Push Mount	
15	1001008559	2	Strap	
16	1001146588	1	Strap	
17	1001206588	1	Fitting	

FIGURE 4-32. PRIMARY FUEL FILTER INSTALLATION (ULS)

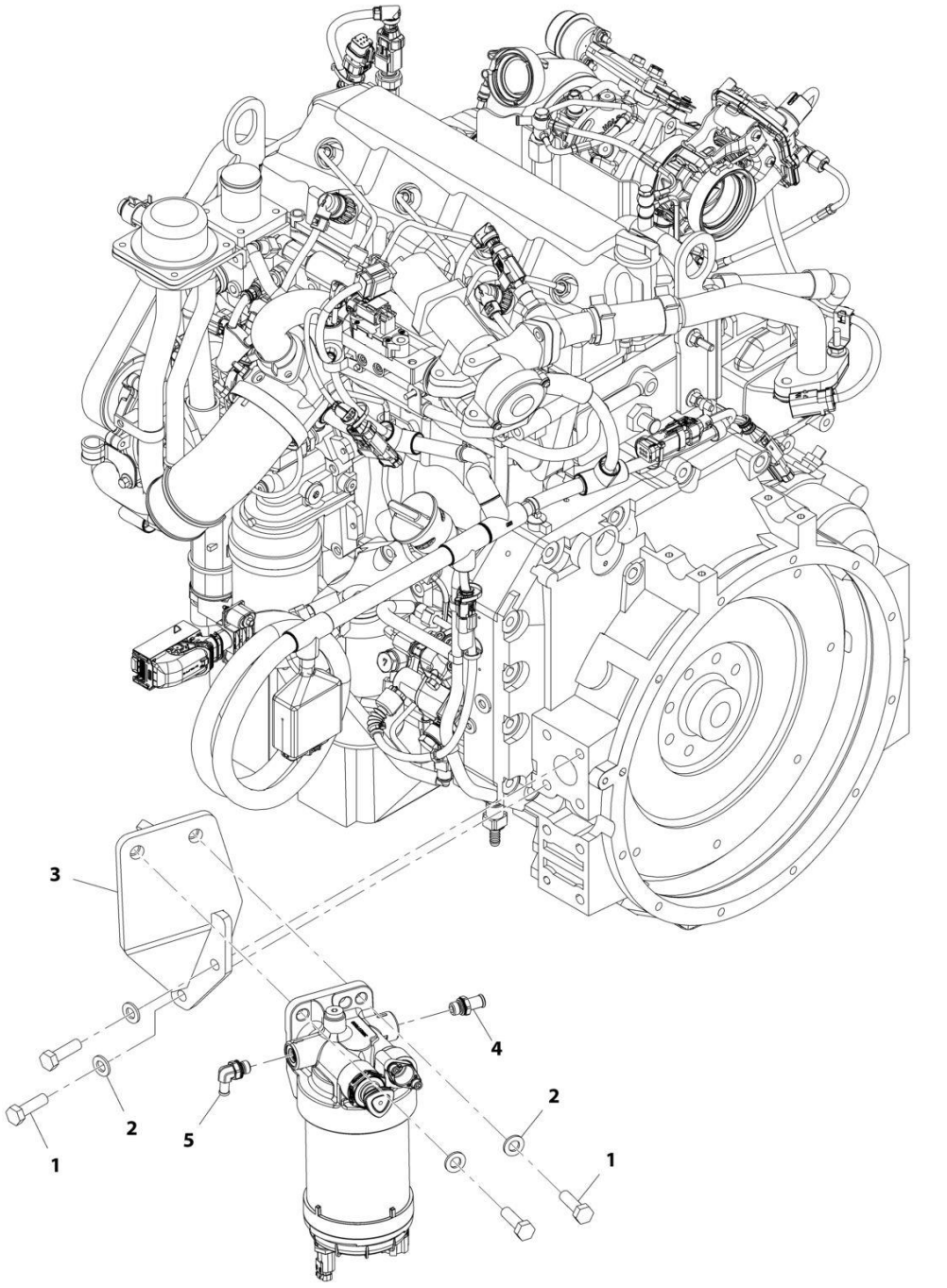


FIGURE 4-32. PRIMARY FUEL FILTER INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163235	Ref	Primary Fuel Filter Installation	F
1	0701216	4	Bolt, M12X40	
2	4812100	4	Washer, M12	
3	1001206019	1	Bracket, Fuel Filter Mount	
4	1001217467	1	Barb, Hose	
5	1001182094	1	Hose	

FIGURE 4-33. PRIMARY FUEL FILTER INSTALLATION (LS)

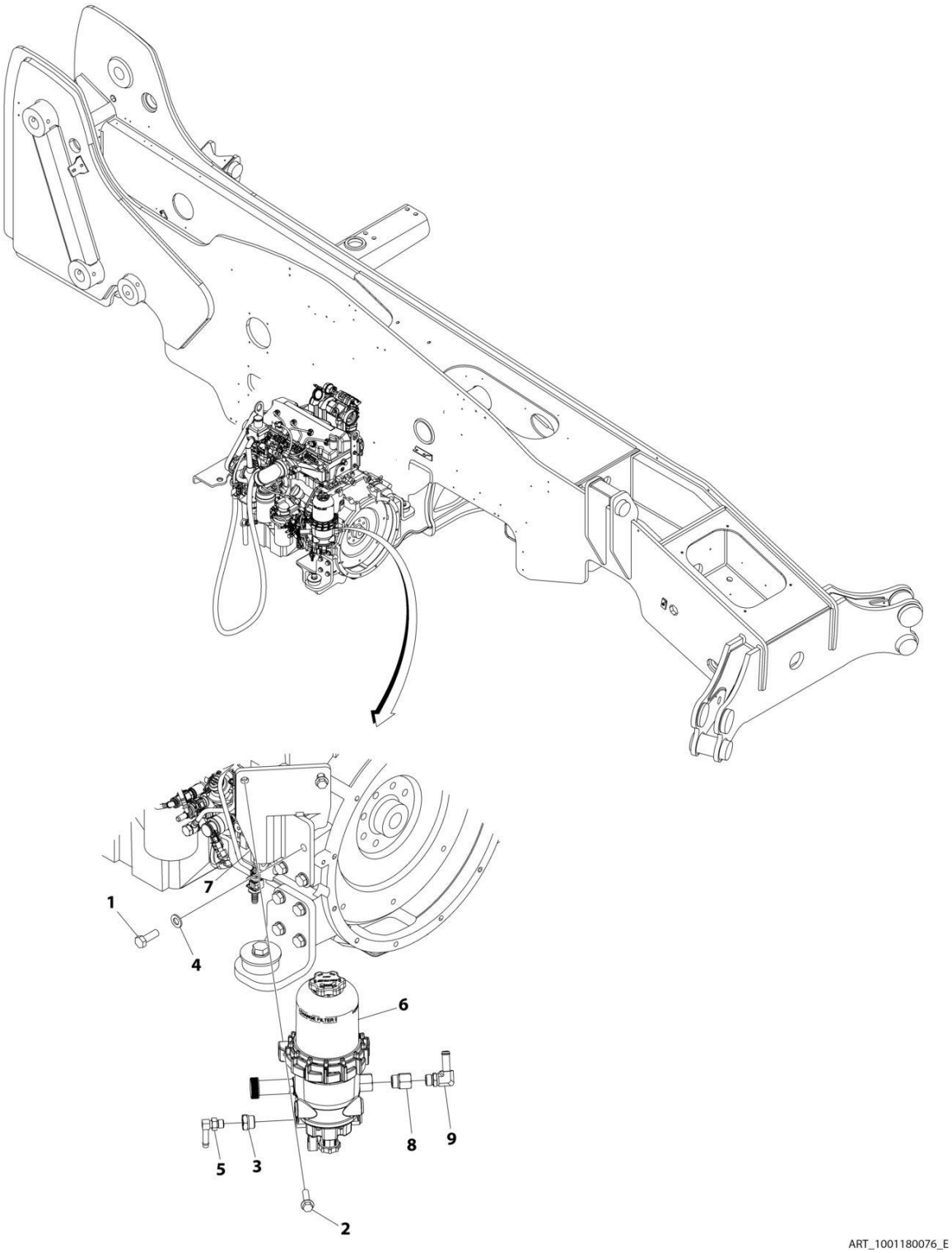
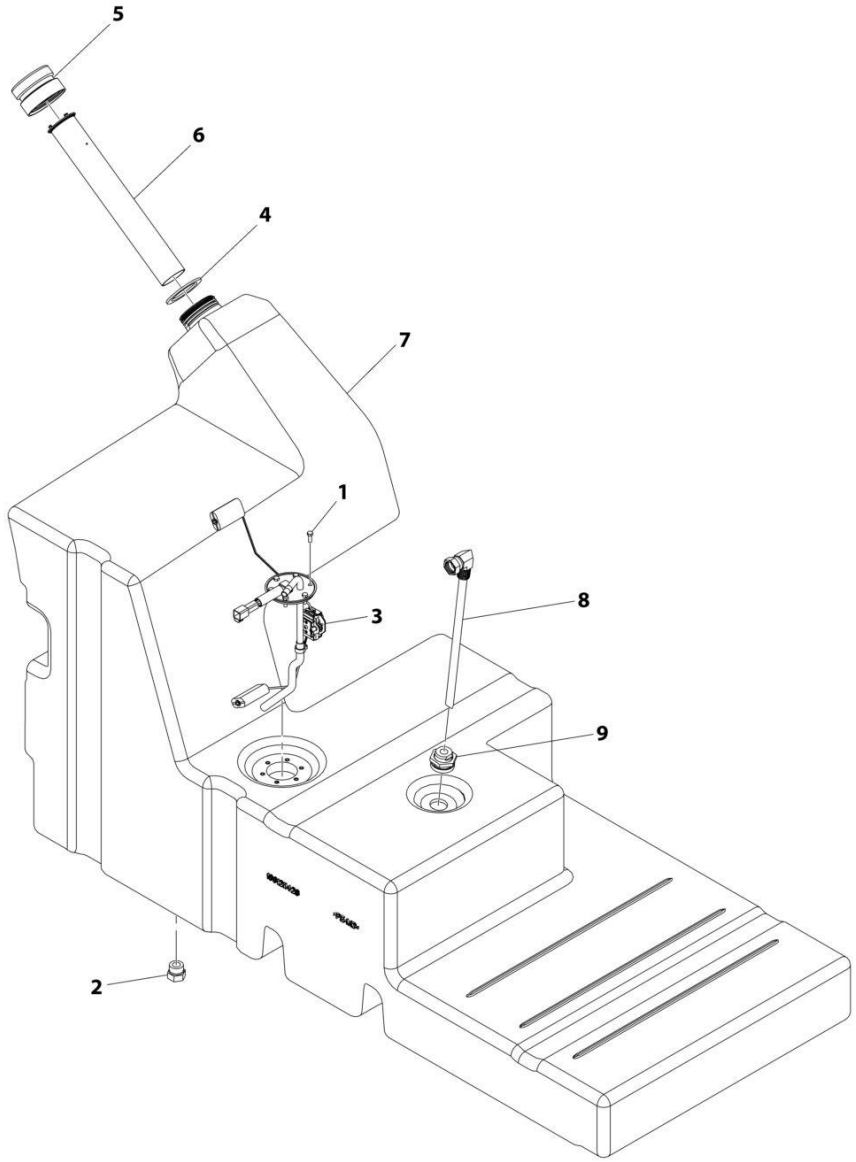


FIGURE 4-33. PRIMARY FUEL FILTER INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180076	Ref	Primary Fuel Filter Installation (LS)	E
1	0701215	3	Bolt, M12X35	
2	0781016	2	Bolt, M10X40	
3	2220218	1	Fitting, Straight ORFS	
4	4812100	3	Washer, M12	
5	8430034	1	Elbow, 90	
6	1001133534	1	Filter, Fuel	
7	1001180078	1	Bracket, Fuel Filter Mount	
8	2220810	1	Fitting, Straight	
9	1001200239	1	Fitting, 90 ORFS	

FIGURE 4-34. FUEL TANK ASSEMBLY

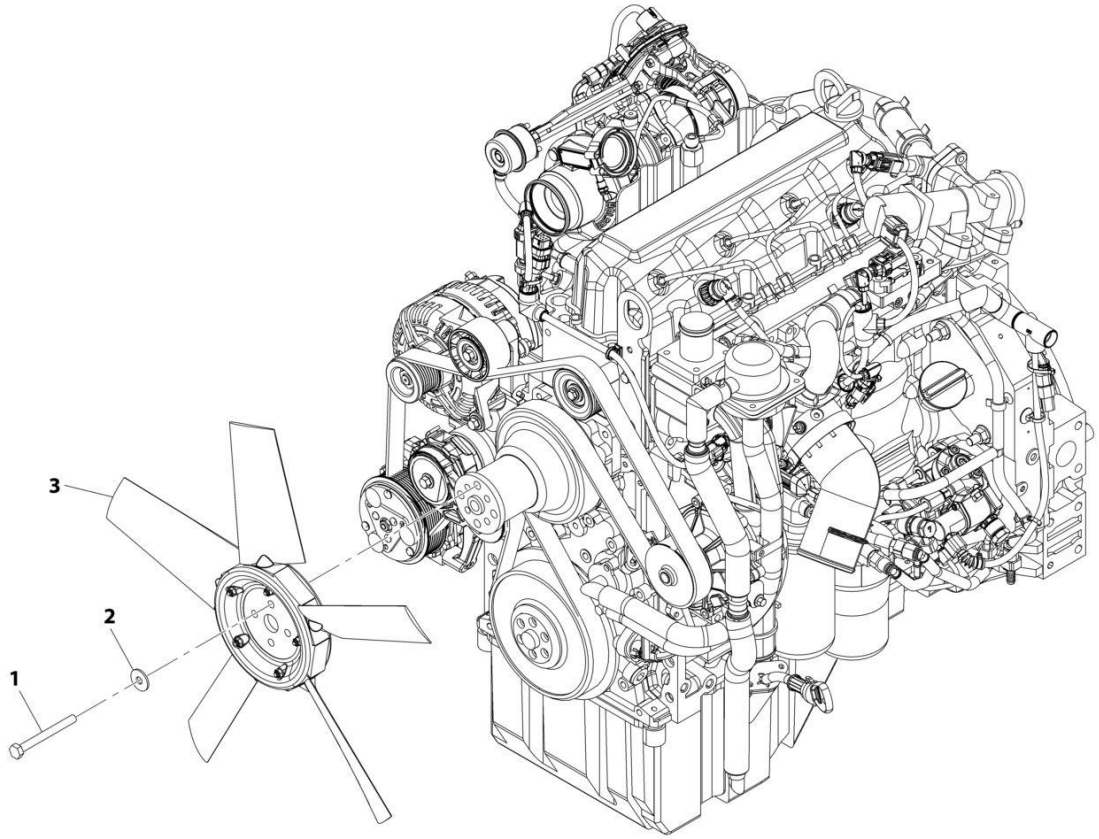


ART_1001211432-F

FIGURE 4-34. FUEL TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211432	Ref	Fuel Tank Assembly	F
1	0760507	6	Bolt, M5X14	
2	1001003427	1	Plug	
3	1001235100	1	Gauge, Fuel Level	
4	1001172178	1	Gasket	
5	1001207282	1	Adapter, Tank Cap	
6	1001207557	1	Pipe, Fuel Tank Drop	
7	1001211428	1	Tank, Fuel	
8	1001211429	1	Coupling, ORFS	
9	1001211747	1	Pipe, Fuel Supply	

FIGURE 4-35. FAN INSTALLATION, 74HP (ULS)



ART_1001225231-A

FIGURE 4-35. FAN INSTALLATION, 74HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225231	Ref	Fan Installation (ULS)	A
1	0701027	4	Bolt, M10X100	
2	4812002	4	Washer, M10	
3	1001225982	1	Fan, Cooling	

FIGURE 4-36. FAN INSTALLATION, 110HP

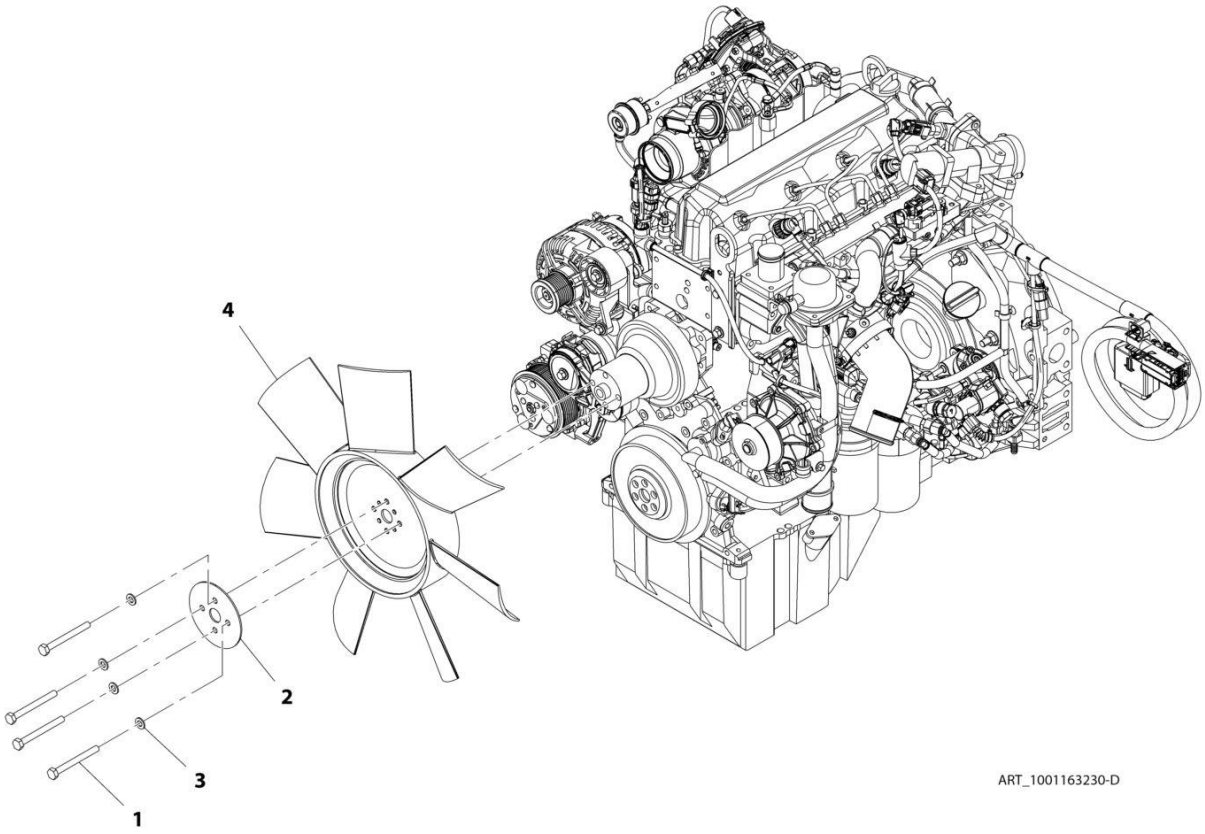


FIGURE 4-36. FAN INSTALLATION, 110HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163230	Ref	Fan Installation	D
1	0701027	4	Bolt, M10X100	
2	3575947	1	Plate	
3	4812000	4	Washer, M10	
4	1001175269	1	Fan, Cooling	

FIGURE 4-37. FAN GUARD INSTALLATION

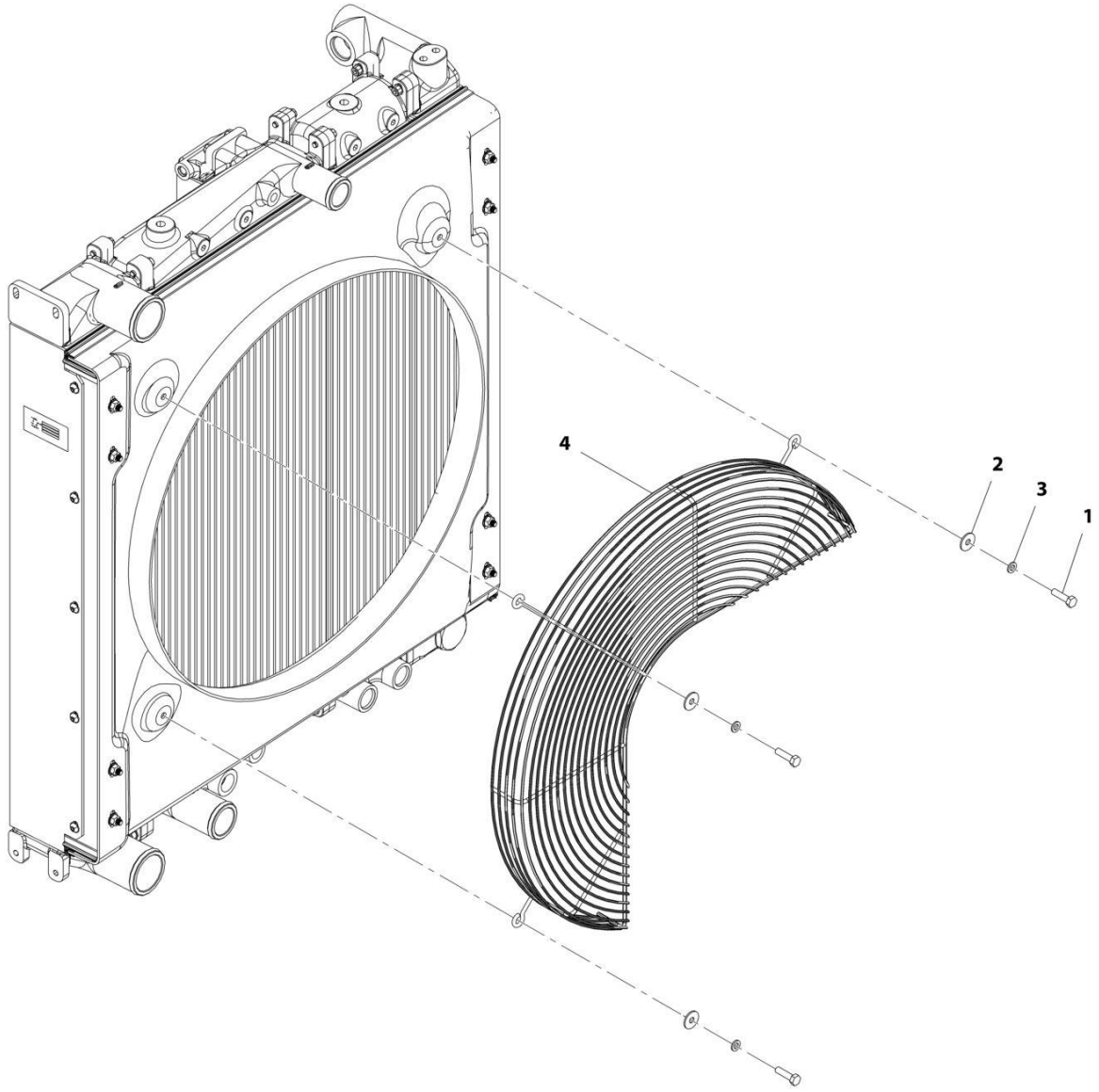


FIGURE 4-37. FAN GUARD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160420	Ref	Fan Guard Installation	D
1	0700814	3	Bolt, M8X30	
2	4811902	3	Washer, M8	
3	4831900	3	Washer, Lock M8	
4	1001167186	1	Grill	

FIGURE 4-38. COOLING PACKAGE INSTALLATION (ULS)

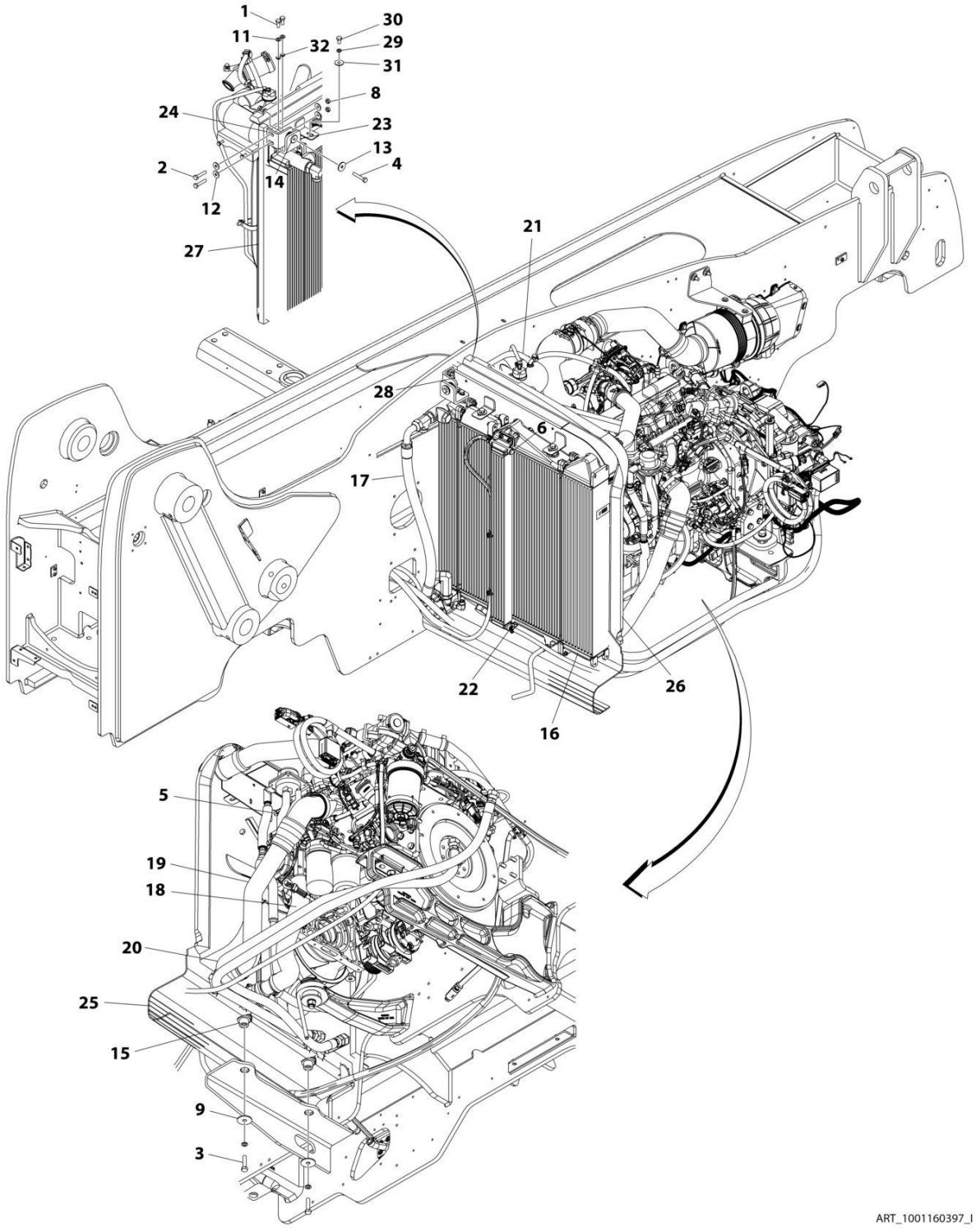


FIGURE 4-38. COOLING PACKAGE INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160397	Ref	Cooling Package Installation (ULS)	I
1	0761012	2	Bolt, M10X25	
2	0701018	2	Bolt, M10X50	
3	0761218	2	Bolt, M12X50	
4	0701020	1	Bolt, M10X60	
5	1001174356	1	Barb, Hose	
6	2220237	2	Plug	
8	3291001	3	Nut, M10X1.5 Grade 8	
9	4740274	4	Washer	
11	4812000	3	Washer, M10	
12	4812002	4	Washer, M10	
13	1001155540	2	Washer	
14	8278020	1	Mount	
15	1001114803	2	Mount	
16	1001159347	1	Radiator Cooling Package (See Separate Breakdown in this Section)	
17	1001163082	1	Installation, HOC Lines (See Separate Breakdown in this Section)	
18	1001163245	1	Installation, Coolant Lines (ULS) (See Separate Breakdown in this Section)	
19	1001163246	1	Installation, CAC Lines (ULS) (See Separate Breakdown in this Section)	
20	1001163247	1	Installation, TOC Lines (See Separate Breakdown in this Section)	
21	1001167078	1	Installation, Surge Tank (See Separate Breakdown in this Section)	
22	1001168030	2	Barb, Hose	
23	1001169173	1	Bracket	
24	1001169174	1	Bracket	
25	1001169965	1	Panel	
26	1001173452	1	Seal, Foam Gasket	
27	1001173457	1	Seal, Foam Gasket	
28	1001173546	1	Bracket	
29	4832100	4	Washer, Lock M12	
30	0761210	2	Bolt, M12X20	
31	4812102	2	Washer, M12	
32	4832000	2	Washer, Lock M10	

FIGURE 4-39. COOLING PACKAGE INSTALLATION (LS)

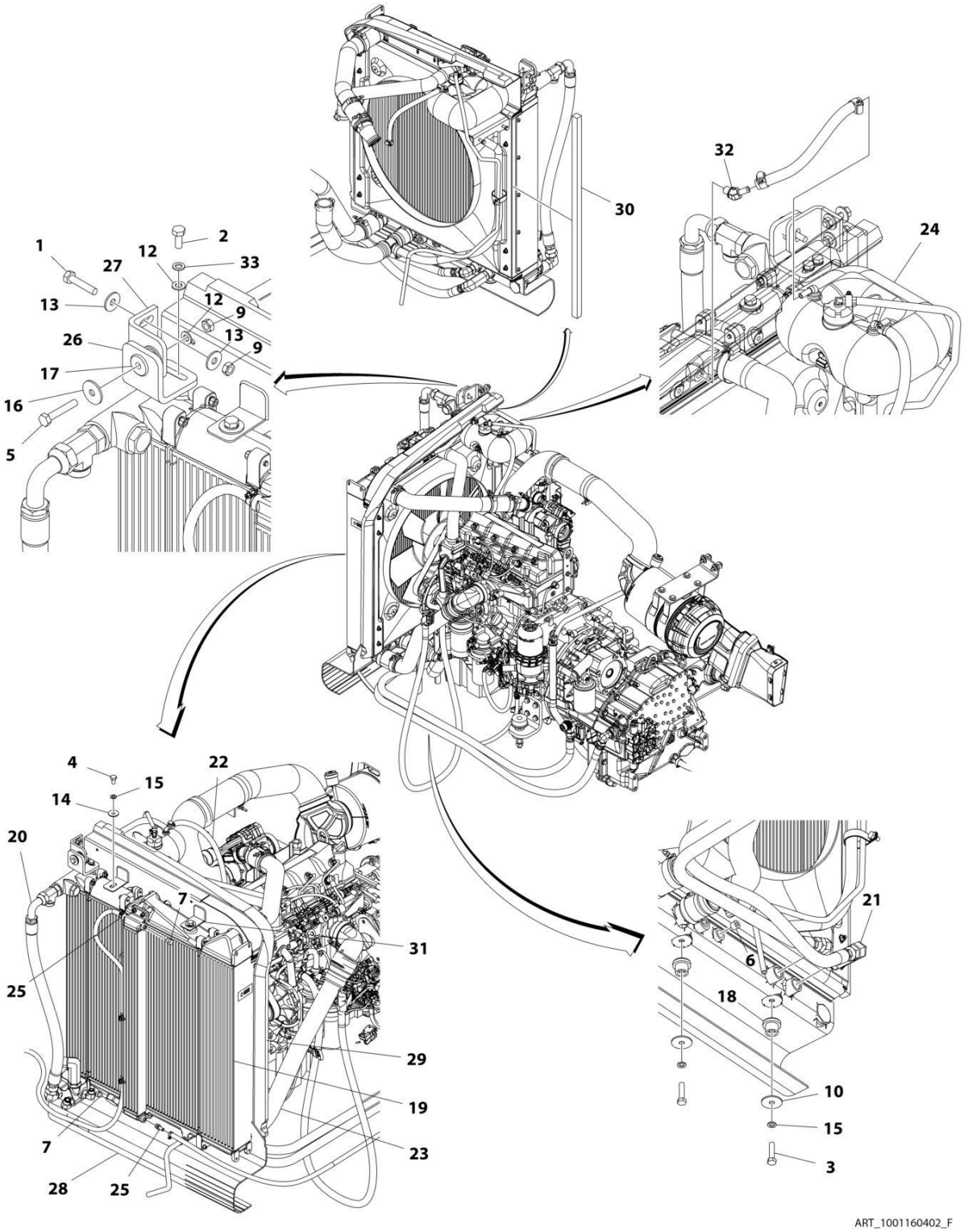


FIGURE 4-39. COOLING PACKAGE INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160402	Ref	Cooling Package Installation (LS)	F
1	0701018	2	Bolt, M10X50	
2	0761012	2	Bolt, M10X25	
3	0761218	2	Bolt, M12X50	
4	0771210	2	Bolt, M12X20 Grade 10.9	
5	0701020	1	Bolt, M10X60	
6	2200223	1	Plug	
7	2220237	2	Plug	
9	3291001	3	Nut, M10X1.5 Grade 8	
10	4740274	4	Washer	
12	4812000	3	Washer, M10	
13	4812002	4	Washer, M10	
14	4812102	2	Washer, M12	
15	4832100	4	Washer, Lock M12	
16	1001155540	2	Washer	
17	8278020	1	Mount	
18	1001114803	2	Mount	
19	1001159347	1	Radiator Cooling Package (See Separate Breakdown in this Section)	
20	1001163082	1	Installation, HOC Lines (See Separate Breakdown in this Section)	
21	1001163247	1	Installation, TOC Lines (See Separate Breakdown in this Section)	
22	1001163248	1	Installation, Coolant Lines (LS) (See Separate Breakdown in this Section)	
23	1001163249	1	Installation, CAC Lines (LS) (See Separate Breakdown in this Section)	
24	1001167078	1	Installation, Surge Tank (See Separate Breakdown in this Section)	
25	1001168030	2	Barb, Hose	
26	1001169173	1	Bracket	
27	1001169174	1	Bracket	
28	1001169965	1	Panel, Air Dam	
29	1001173452	1	Gasket	
30	1001173457	1	Gasket	
31	1001173546	1	Bracket, Air Baffle	
32	1001174356	1	Barb, Hose	
33	4832000	2	Washer, Lock M10	

FIGURE 4-40. COOLANT LINES INSTALLATION (ULS)

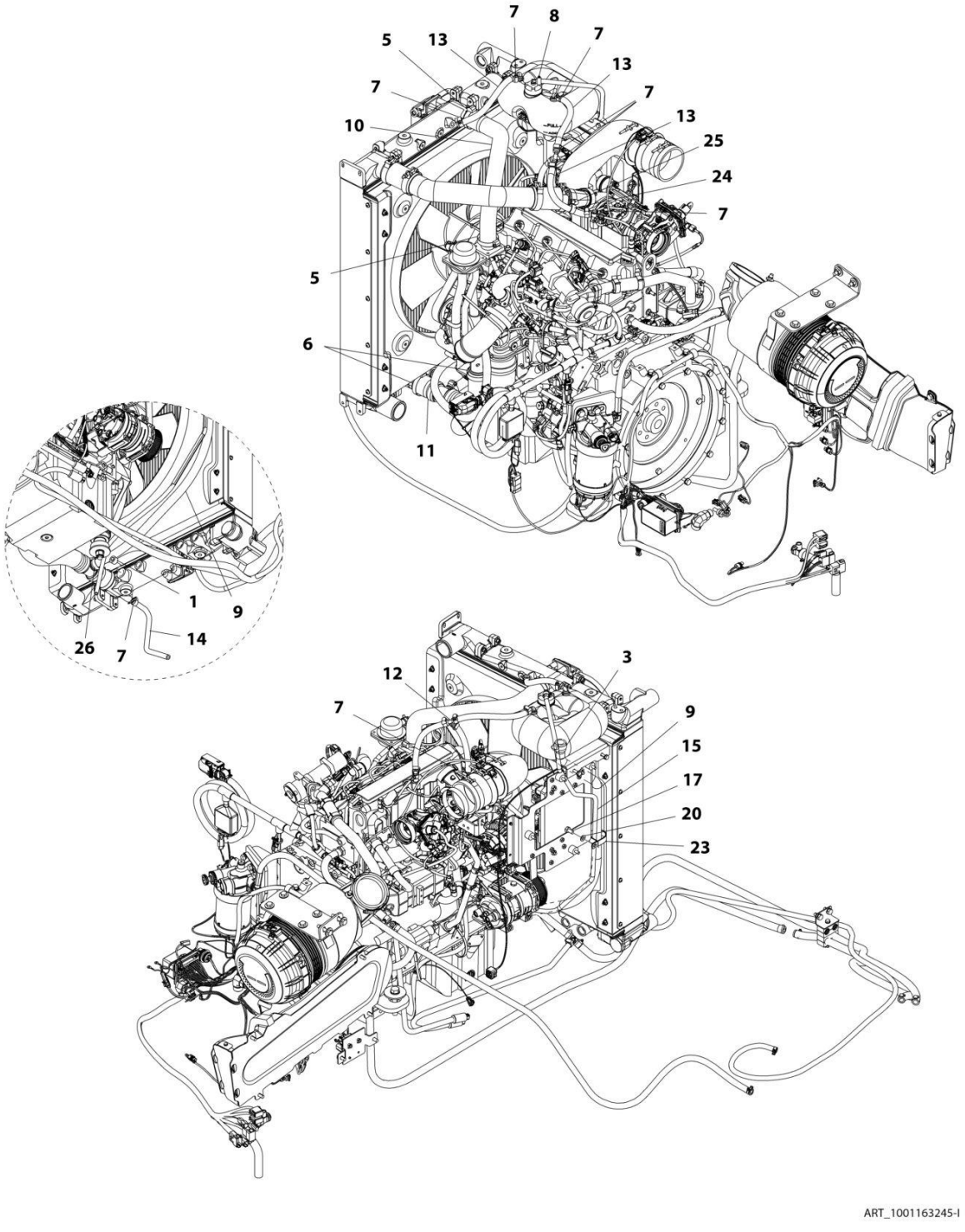


FIGURE 4-40. COOLANT LINES INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163245	Ref	Coolant Lines Installation (ULS)	I
1	2200224	1	Plug	
3	8405101	AR	Clamp, Gear	
5	8405201	2	Clamp, Gear	
6	8405202	2	Clamp, Gear	
7	8410013	9	Clamp, Gear	
8	8405009	1	Clamp, Gear	
9	1001182011	1	Hose	
10	1001166430	1	Pipe	
11	1001182012	1	Hose	
12	1001172953	1	Pipe, Tee	
13	1001181625	1042 mm	Hose	
14	1001180553	370 mm	Hose	
15	1001180542	1680 mm	Hose	
17	0761010	1	Bolt, M10X20	
20	4812000	1	Washer, M10	
23	1001097588	1	Clamp	
24	8410019	1	Clamp, 7/8	
25	0760605	1	Bolt, 6X10	
26	8405007	1	Clamp	

FIGURE 4-41. COOLANT LINES INSTALLATION (LS)

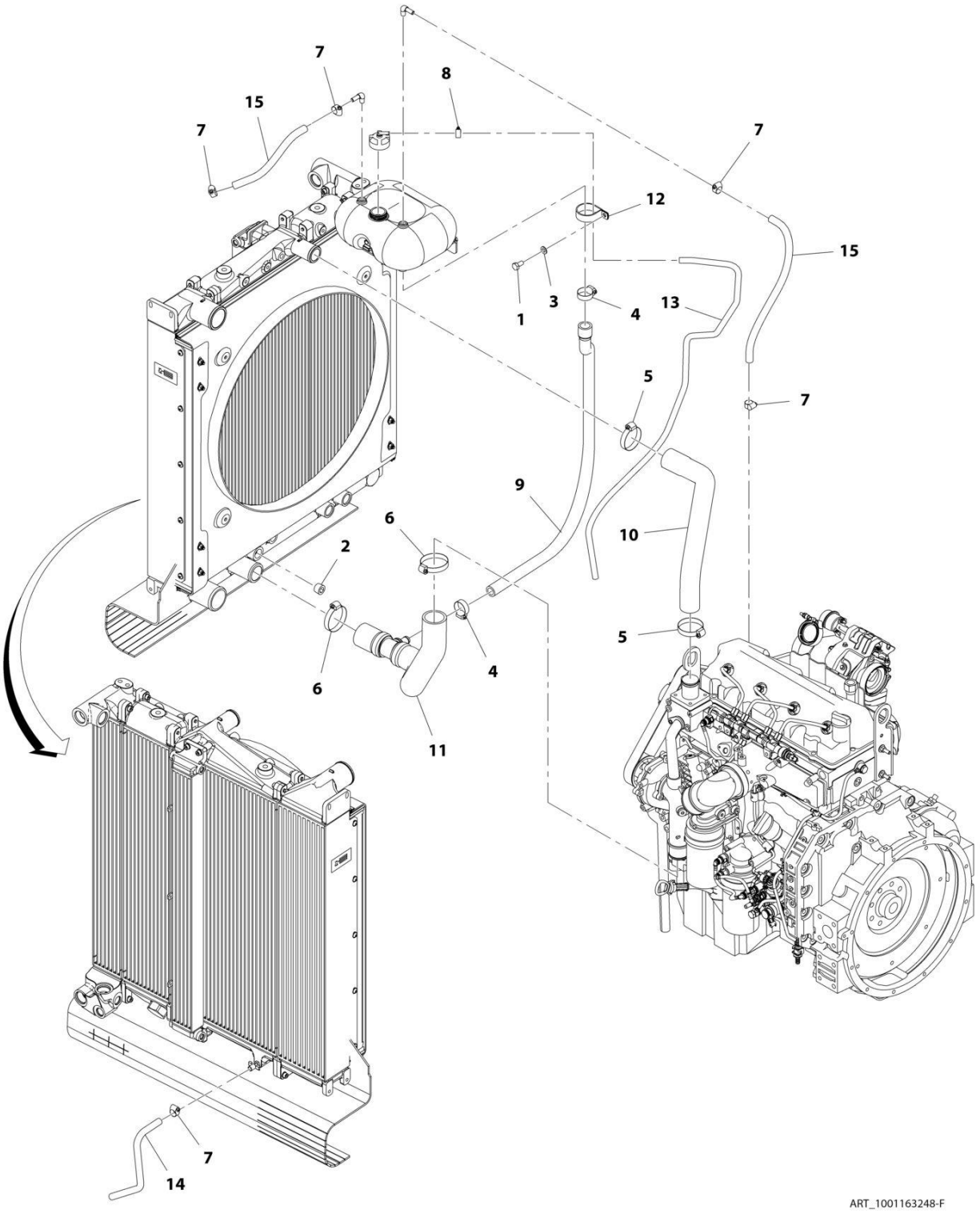


FIGURE 4-41. COOLANT LINES INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163248	Ref	Coolant Lines Installation (LS)	F
1	0761010	1	Bolt, M10X20	
2	2200224	1	Plug	
3	4812000	1	Washer, M10	
4	8405101	2	Clamp, Gear	
5	8405201	2	Clamp, Gear	
6	8405202	2	Clamp, Gear	
7	8410013	5	Clamp, Gear	
8	8405009	1	Clamp, Gear	
9	1001182011	1	Hose	
10	1001166430	1	Pipe	
11	1001182012	1	Hose	
12	1001097588	1	Clamp	
13	1001180542	1680 mm	Hose	
14	1001180553	369 mm	Hose	
15	1001181625	711 mm	Hose	

FIGURE 4-42. RADIATOR COOLING PACKAGE

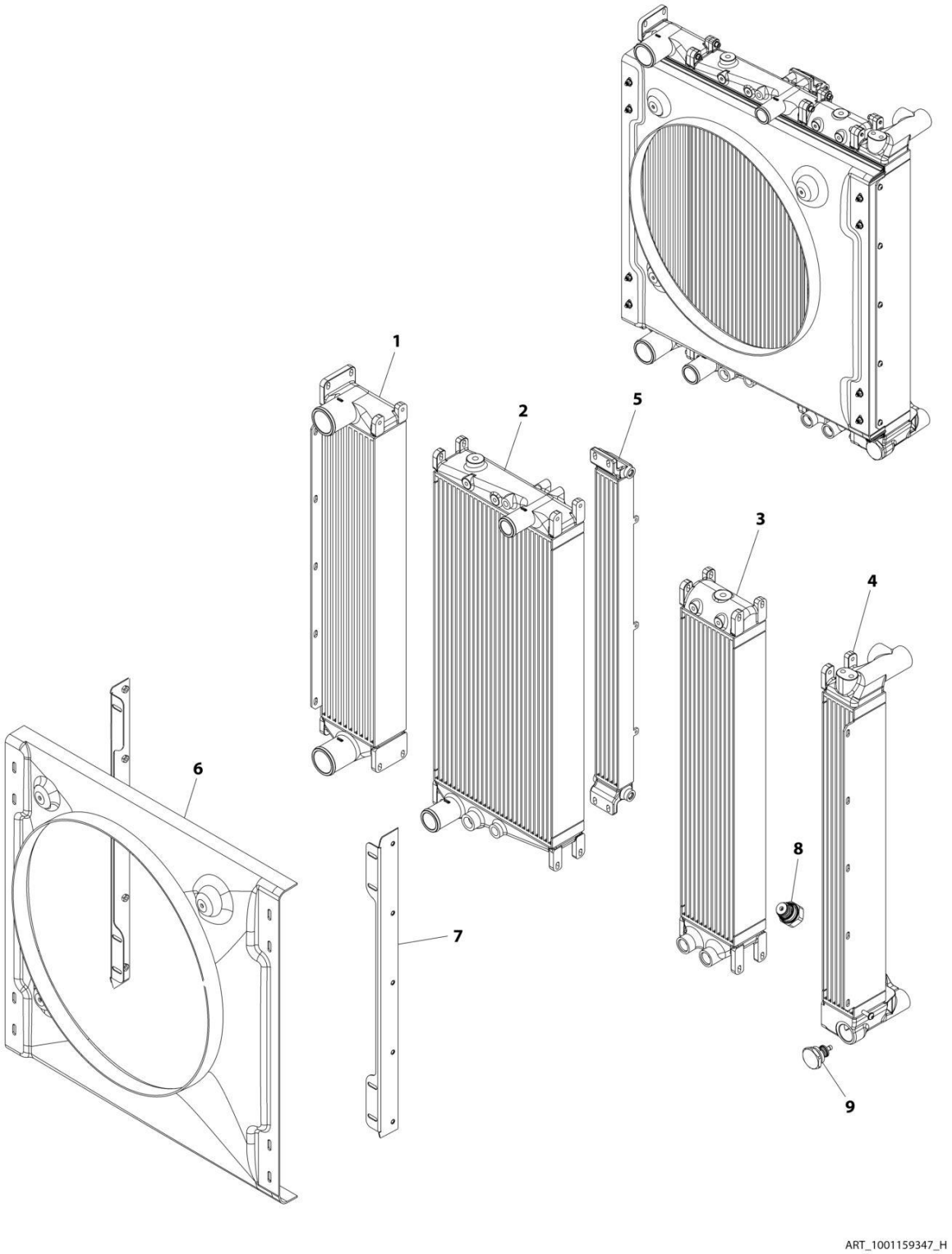


FIGURE 4-42. RADIATOR COOLING PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159347	Ref	RADIATOR COOLING PACKAGE	H
1	70026353	1	Cooler, Air Charge	
2	70026354	1	Radiator	
3	70026355	1	Cooler, Transmission Oil	
4	70026356	1	Cooler, Hydraulic Oil	
5	70026357	1	Cooler, Fuel	
6	70026358	1	Shroud	
7	70026359	2	Bracket, Shroud Mounting	
8	70026082	1	Valve, Bypass	
9	70026360	1	Valve, Bypass	
10	70026081	1	Petcock	

FIGURE 4-43. SURGE TANK INSTALLATION

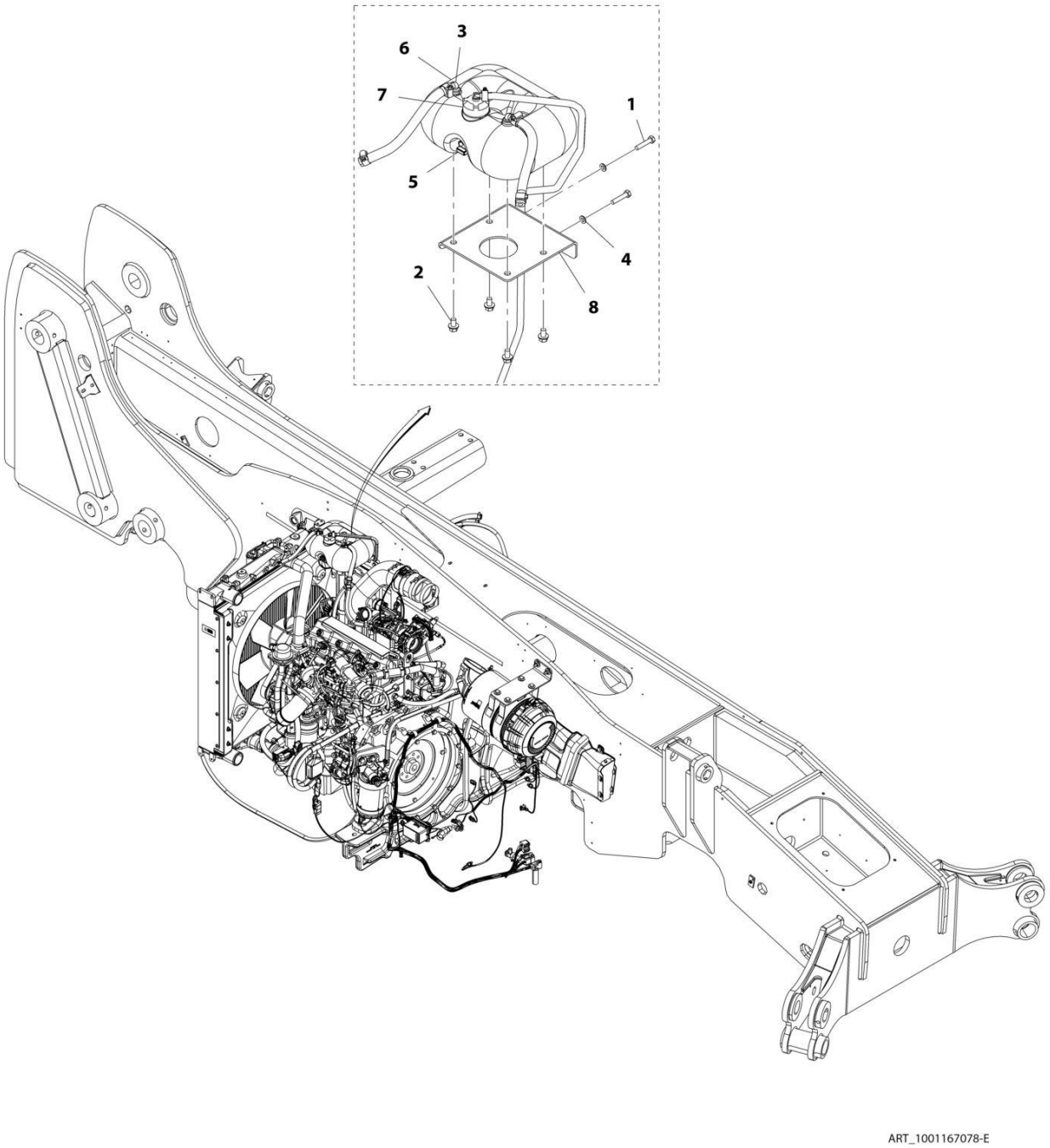


FIGURE 4-43. SURGE TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167078	Ref	Surge Tank Installation	E
1	0700816	2	Bolt, M8X40	
2	0791605	4	Bolt, M3/8-16X5/8	
3	2180467	2	Fitting	
4	4811900	2	Washer, M8	
5	1001121955	1	Sensor, Coolant Level	
6	1001128144	1	Tank, Coolant	
7	1001128341	1	Cap	
8	1001163637	1	Bracket, Coolant Tank	

FIGURE 4-44. A/C PUMP INSTALLATION (ULS)

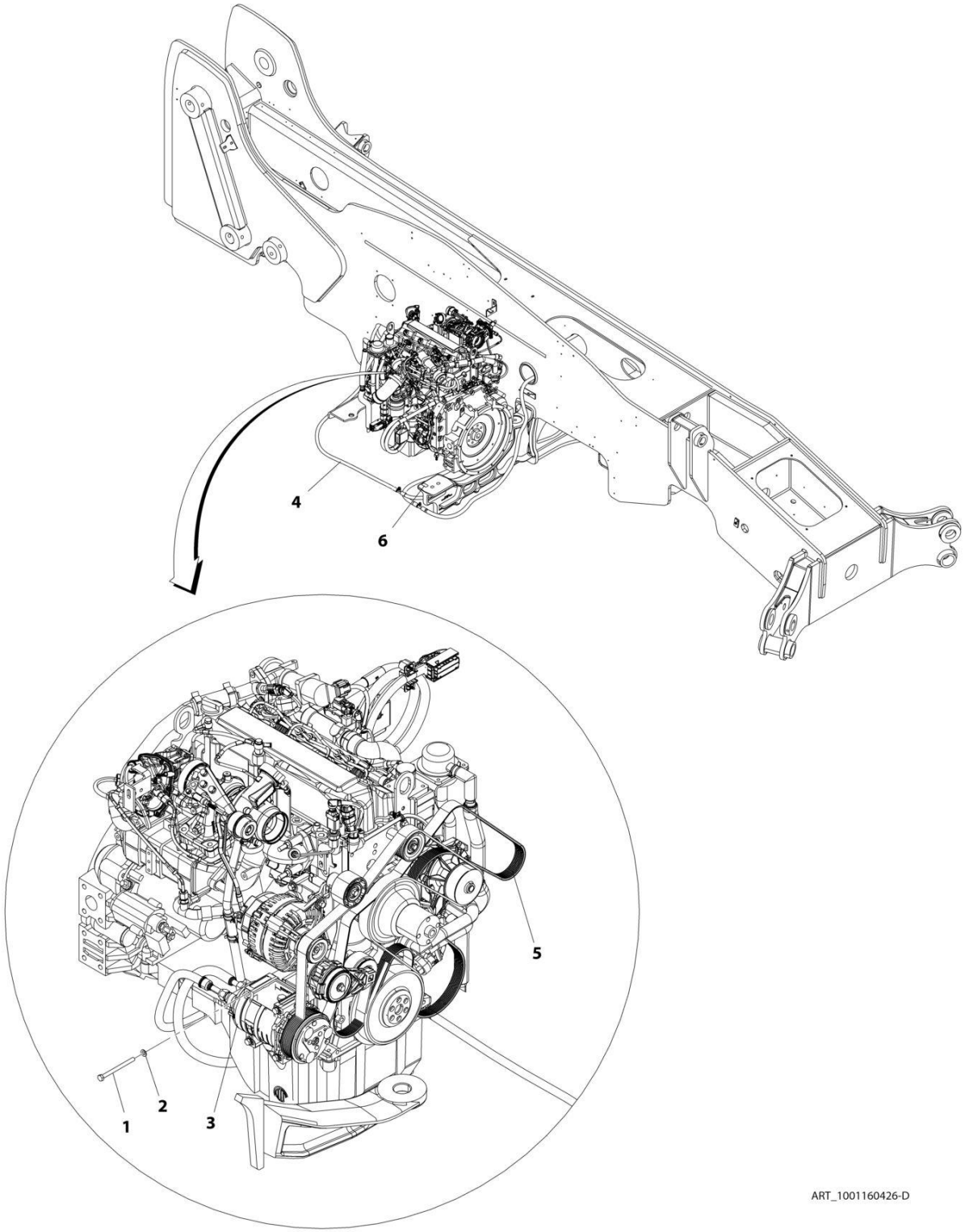


FIGURE 4-44. A/C PUMP INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160426	Ref	A/C Pump Installation (ULS)	D
1	0700827	4	Bolt, M8X100	
2	4811900	4	Washer, M8	
3	1001157663	1	Compressor, A/C	
4	1001163254	1	Installation, A/C Lines (See Separate Breakdown in this Section)	
5	1001167357	1	Belt	
6	1001193026	1	Decal, A/C Refrigerant	

FIGURE 4-45. A/C PUMP INSTALLATION (LS)

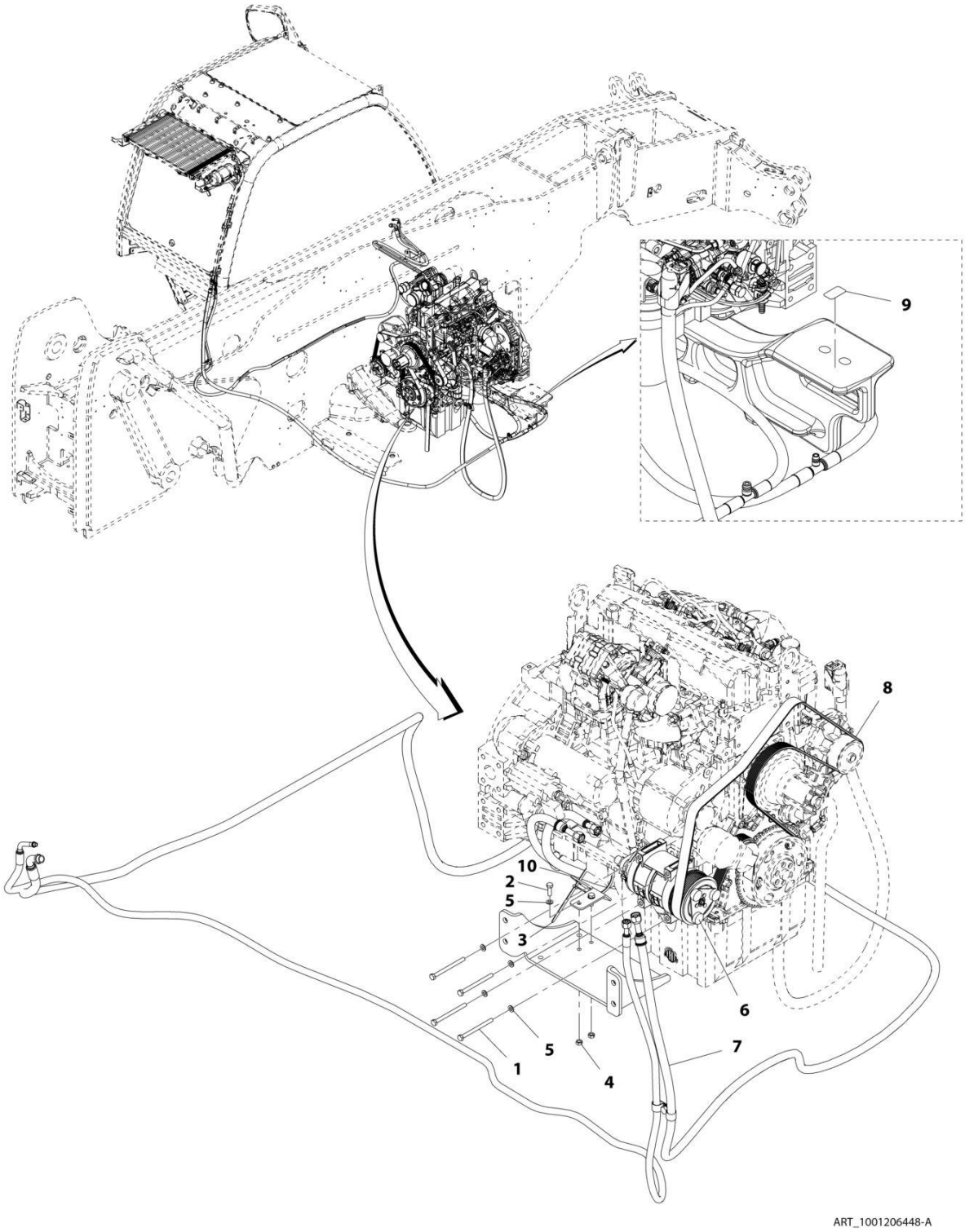


FIGURE 4-45. A/C PUMP INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206448	Ref	A/C Pump Installation (LS)	A
1	0700827	4	Bolt, M8X100	
2	0760812	2	Bolt, M8X25	
3	1062255	1	Strap, Tie	
4	3290801	2	Nut, M8X1.25 Grade 8	
5	4811900	6	Washer, M8	
6	1001157663	1	Compressor, A/C	
7	1001163254	1	Installation, A/C Lines (See Separate Breakdown in this Section)	
8	1001167357	1	Belt	
9	1001193026	1	Decal, A/C Refrigerant	
10	1001206332	1	Bracket	

FIGURE 4-46. A/C LINES INSTALLATION

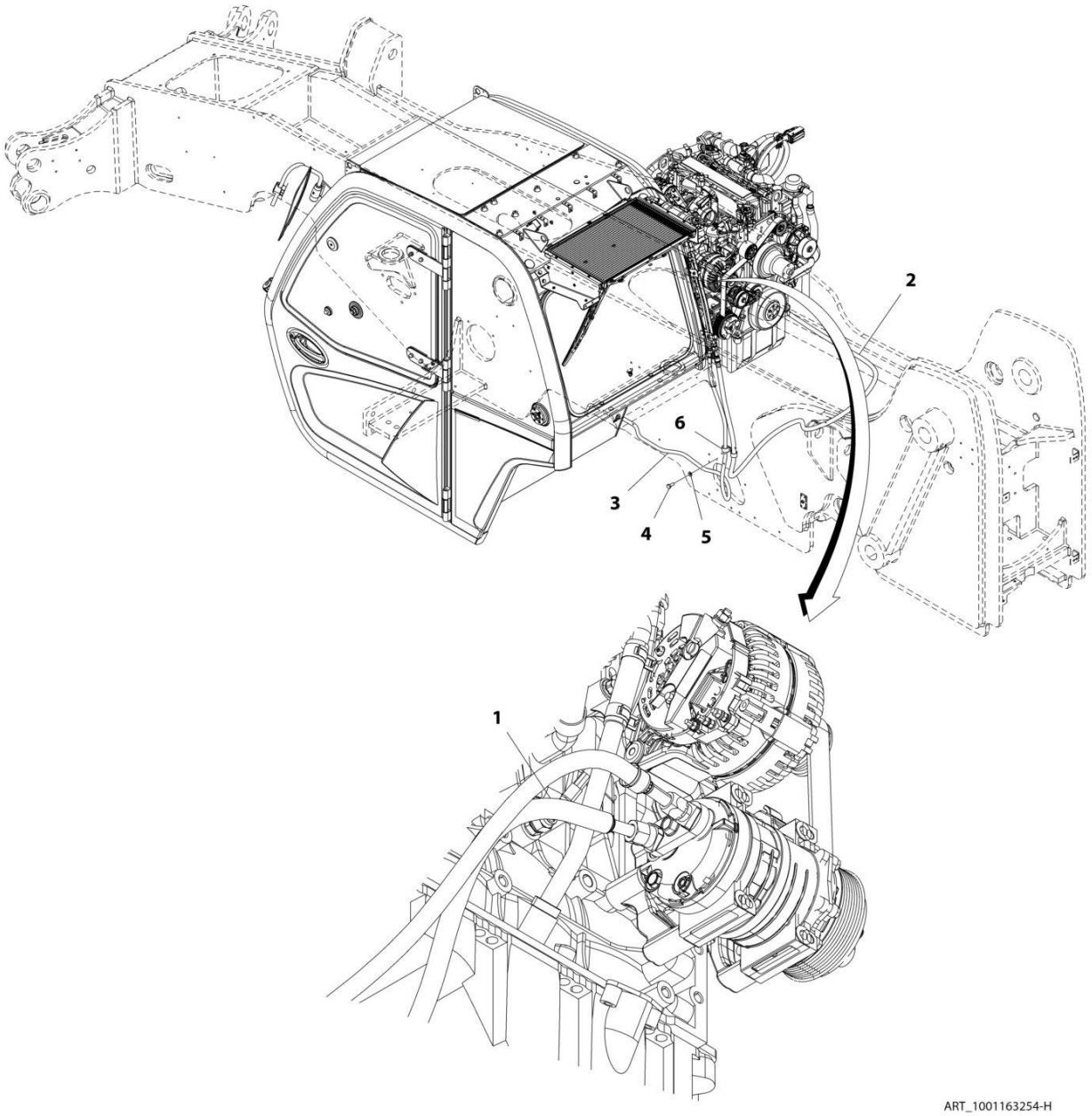


FIGURE 4-46. A/C LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163254	Ref	A/C Lines Installation	H
1	1001196491	1	Hose	
2	1001184017	1	Hose	
3	1001186705	1	Hose	
4	0761012	1	Bolt, M10X25	
5	4812000	1	Washer, M10	
6	8406102	2	Clip	

FIGURE 4-47. ENGINE OIL QUICK DRAIN INSTALLATION

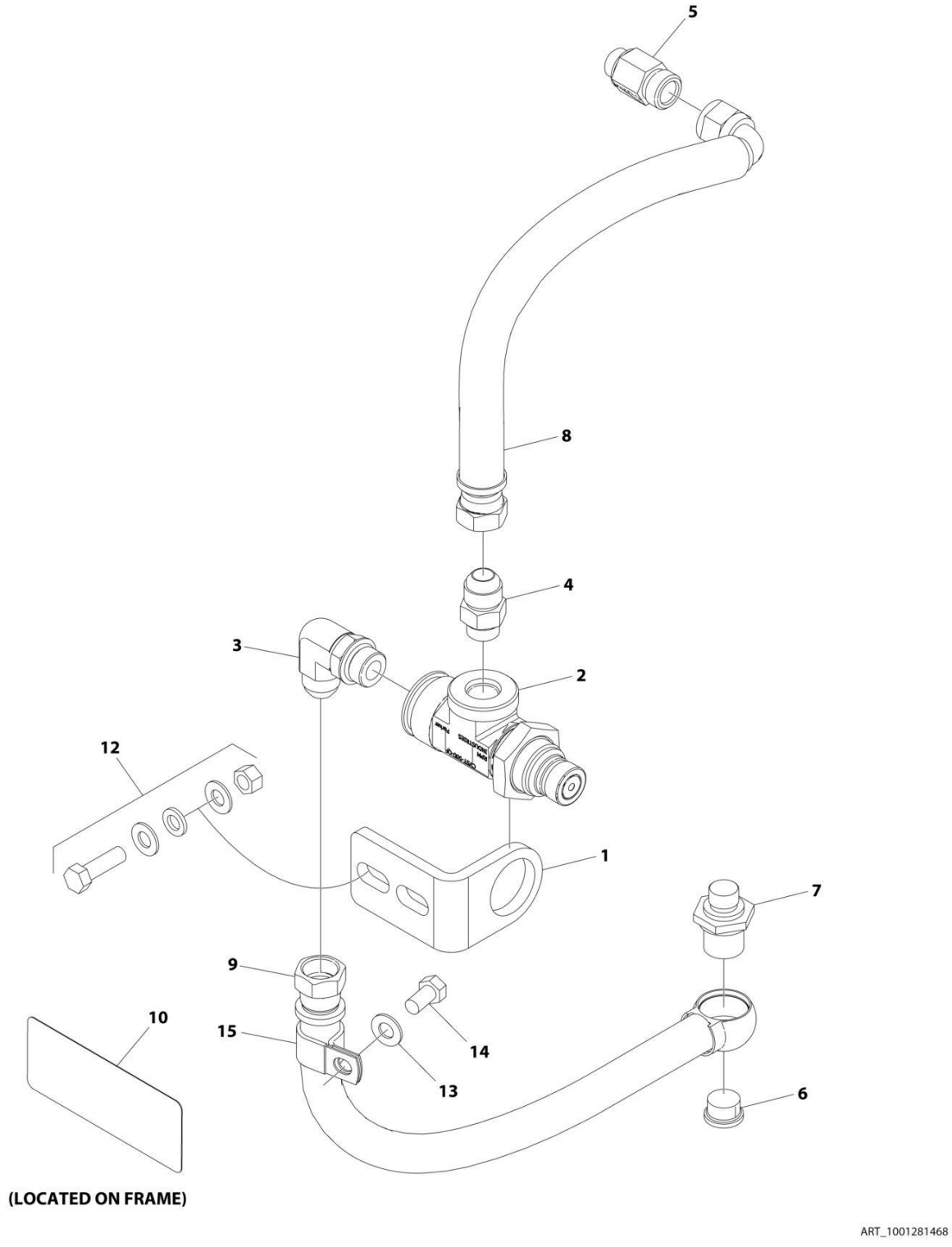


FIGURE 4-47. ENGINE OIL QUICK DRAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281468	Ref	QUICK DRAIN OIL VALVE INSTALLATION	A
1	1001281297	1	Bracket	
2	1001281298	1	Valve, Small Quickfit	
3	1001281301	1	Fitting, 90	
4	1001281302	1	Fitting, Straight	
5	1001281303	1	Valve, Check Quickfit	
6	1001281304	1	Plug, Quickfit	
7	1001281305	1	Fitting, Straight Quickfit	
8	1001283990	1	Hose	
9	1001281354	1	Hose	
10	1001281360	1	Decal - RPM Quickfit	
11	1001281656	AR	Tie-Strap (Not Shown)	
12	1001281888	2	Bolt 3/8 x 1-1/4	
13	1001282009	1	Washer M8	
14	1001282010	1	Bolt M8 x 18	
15	1001282011	1	Clip	

FIGURE 4-48. CAC LINES INSTALLATION (ULS)

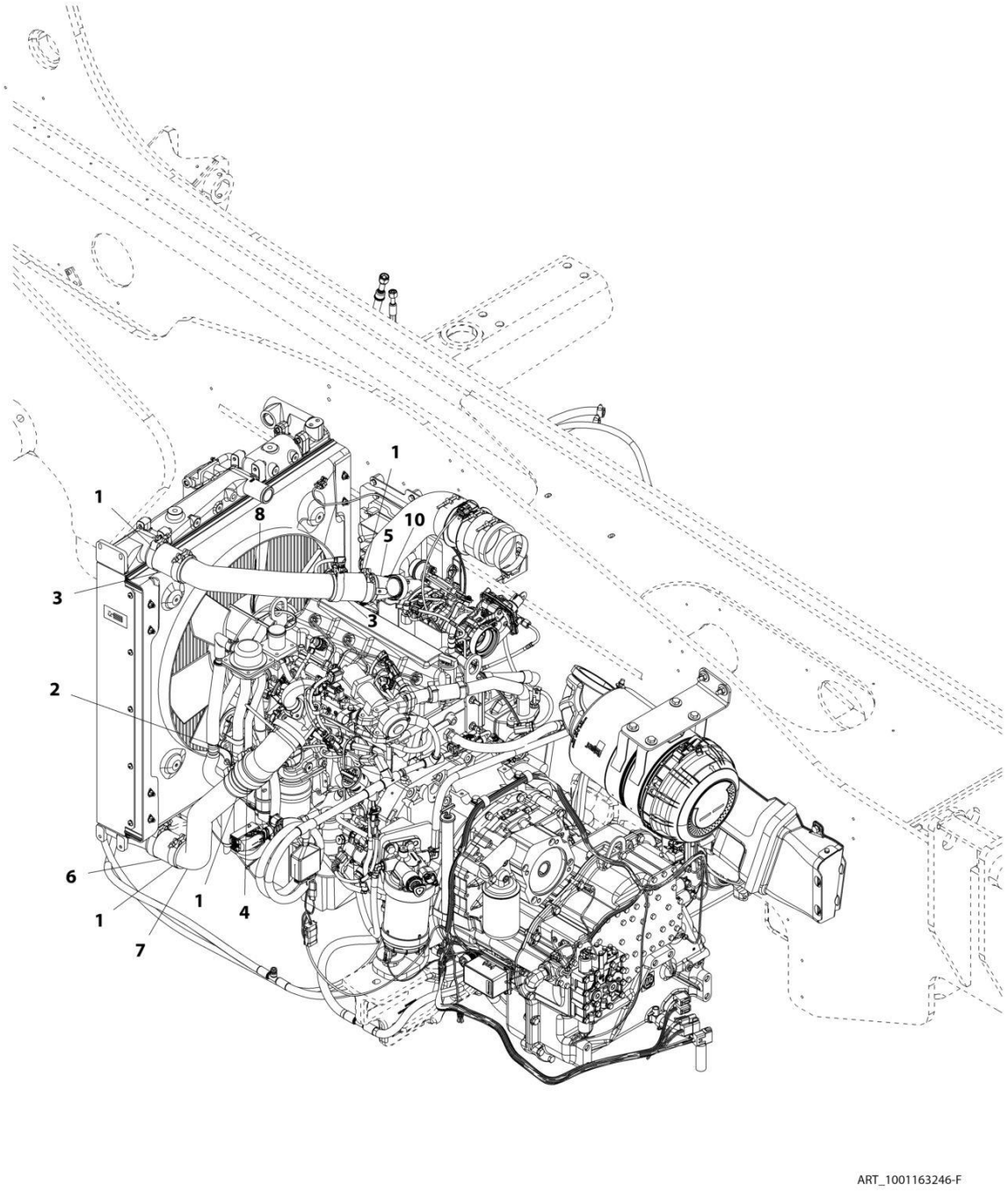


FIGURE 4-48. CAC LINES INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163246	Ref	CAC Lines Installation (ULS)	F
1	8405212	7	Clamp, T-Bolt	
2	8405305	1	Clamp, T-Bolt	
3	1001114495	2	Hose	
4	1001138348	1	Hose	
5	1001161920	1	Adapter Mech	
6	1001166416	1	Hose	
7	1001166925	1	Pipe	
8	1001166993	1	Pipe	
10	1001172591	1	O-Ring	

FIGURE 4-49. CAC LINES INSTALLATION (LS)

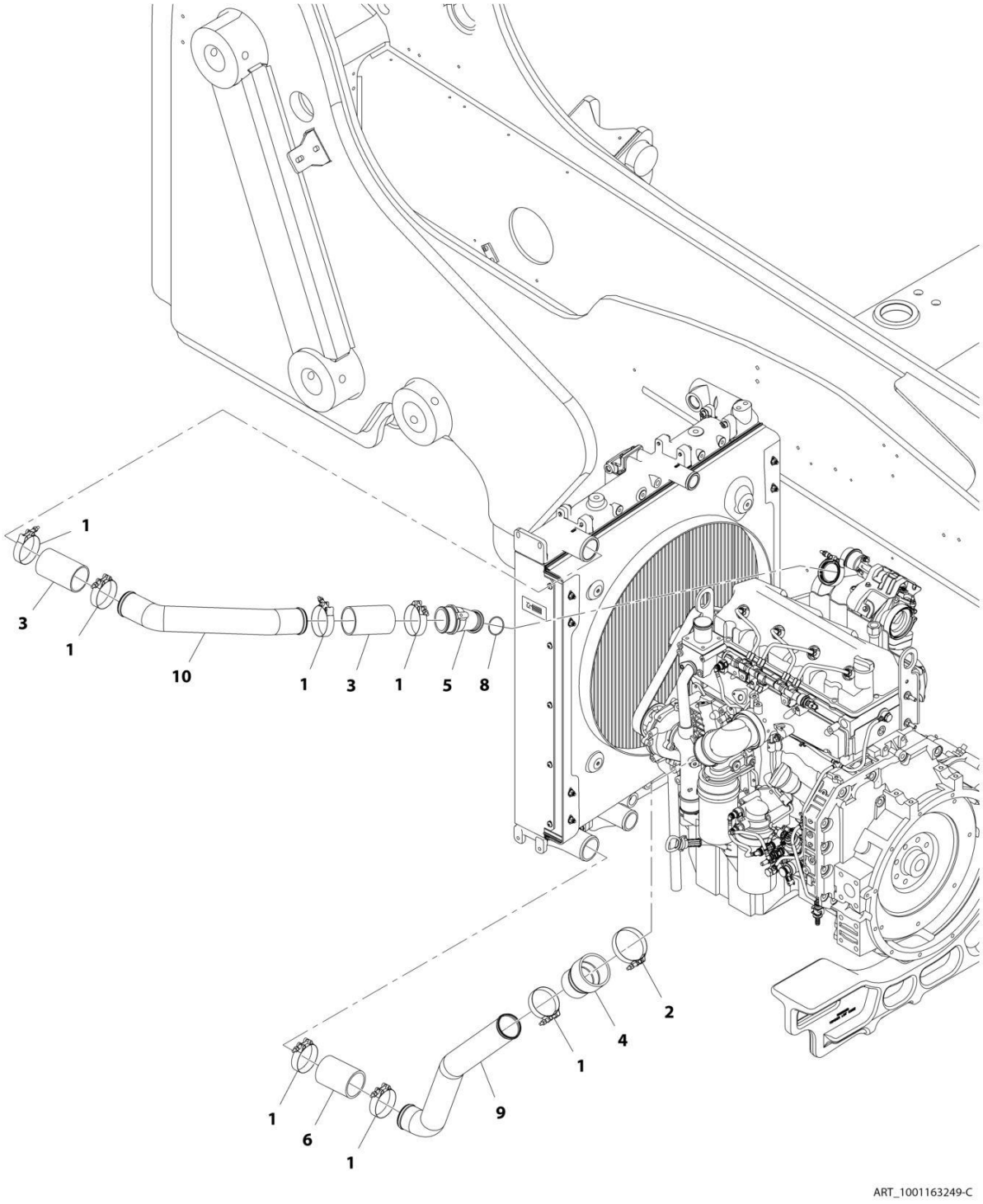


FIGURE 4-49. CAC LINES INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163249	Ref	CAC Lines Installation (LS)	C
1	8405212	7	Clamp, T-Bolt	
2	8405305	1	Clamp, T-Bolt	
3	1001114495	2	Hose	
4	1001138348	1	Hose	
5	1001161920	1	Adapter Mech	
6	1001166416	1	Hose	
8	1001172591	1	O-Ring	
9	1001174832	1	Pipe	
10	1001179376	1	Pipe	

FIGURE 4-50. HOC LINES INSTALLATION

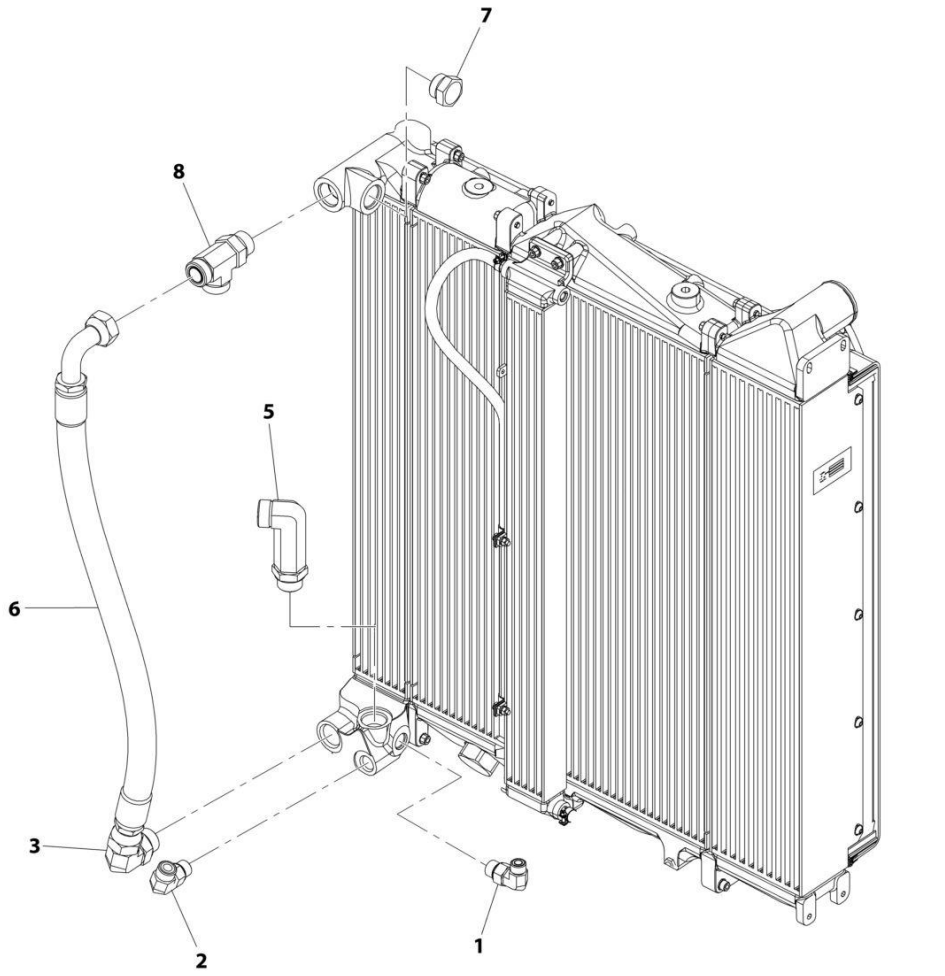


FIGURE 4-50. HOC LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163082	Ref	HOC Lines Installation	D
1	2130810	1	Fitting, ORFS	
2	2131010	1	Fitting, ORFS	
3	2131616	1	Fitting, ORFS	
5	2170216	1	Fitting, ORFS	
6	1001163723	1	Hose	
7	2220242	1	Fitting	
8	2170316	1	Fitting, Tee ORFS	

FIGURE 4-51. TOC LINES INSTALLATION

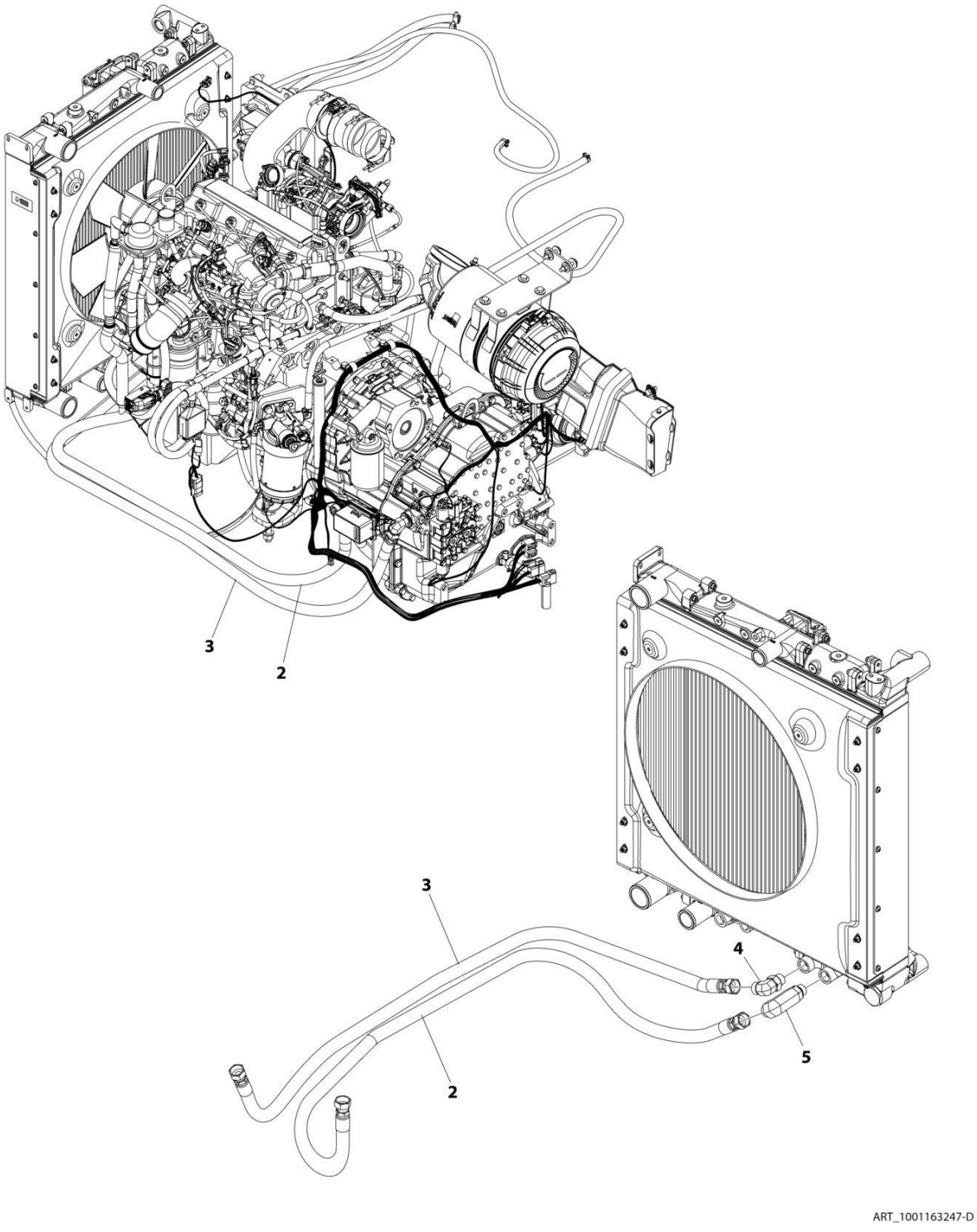


FIGURE 4-51. TOC LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163247	Ref	TOC Lines Installation	D
2	1001169207	1	Hose	
3	1001169393	1	Hose	
4	2131212	1	Fitting, 90 ORFS	
5	2170212	1	Fitting, 90 ORFS	

SECTION 5 - DRIVE TRAIN

FIGURE 5-1. TRANSMISSION INSTALLATION, 74 HP

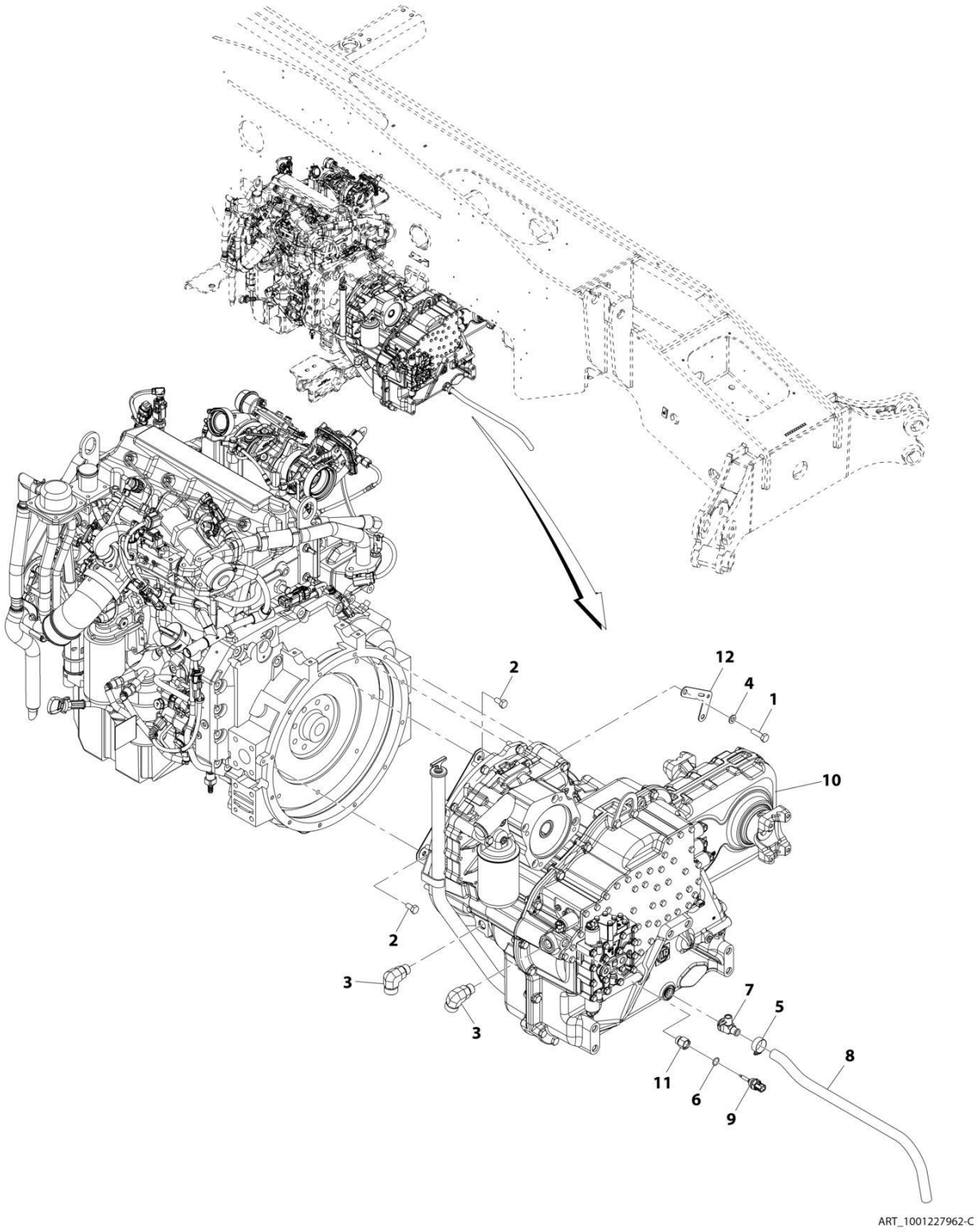


FIGURE 5-1. TRANSMISSION INSTALLATION, 74 HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227962	Ref	Transmission Installation, 74HP (ULS)	C
1	0711015	12	Screw, M10X35	
2	0761010	4	Screw, M10X20	
3	2131210	2	Fitting, 90 ORFS	
4	4812000	12	Washer, M10	
5	8405007	1	Clamp, Hose	
6	1001009163	1	Seal	
7	1001097053	1	Valve, Oil Drain	
8	1001186225	1	Hose, Drain	
9	1001128478	1	Sensor	
10	1001260171	1	Transmission, Powershift (See Separate Breakdown in this Section)	
11	1001220760	1	Adapter	
12	1001227286	2	Bracket	

FIGURE 5-2. TRANSMISSION INSTALLATION, 110 HP

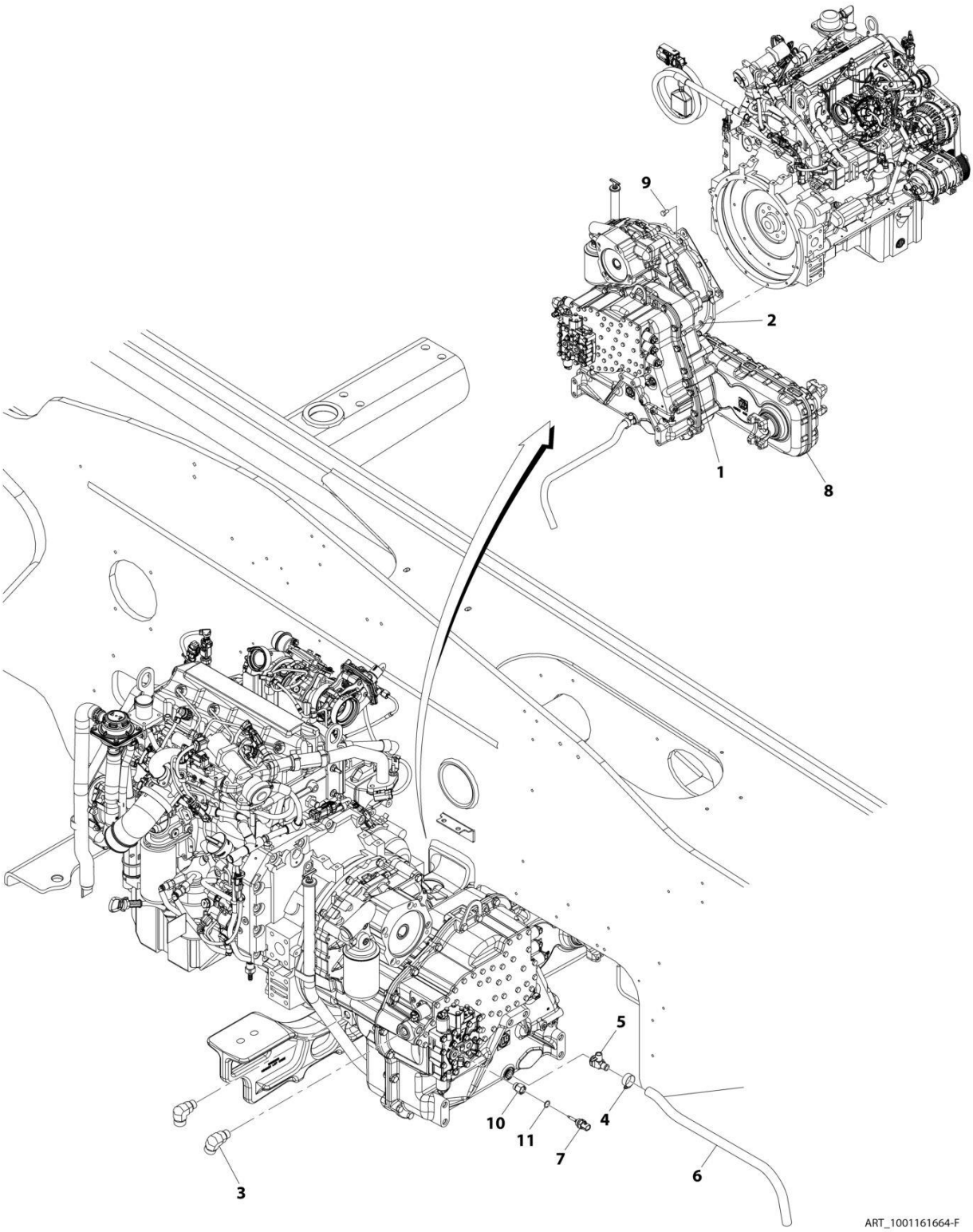
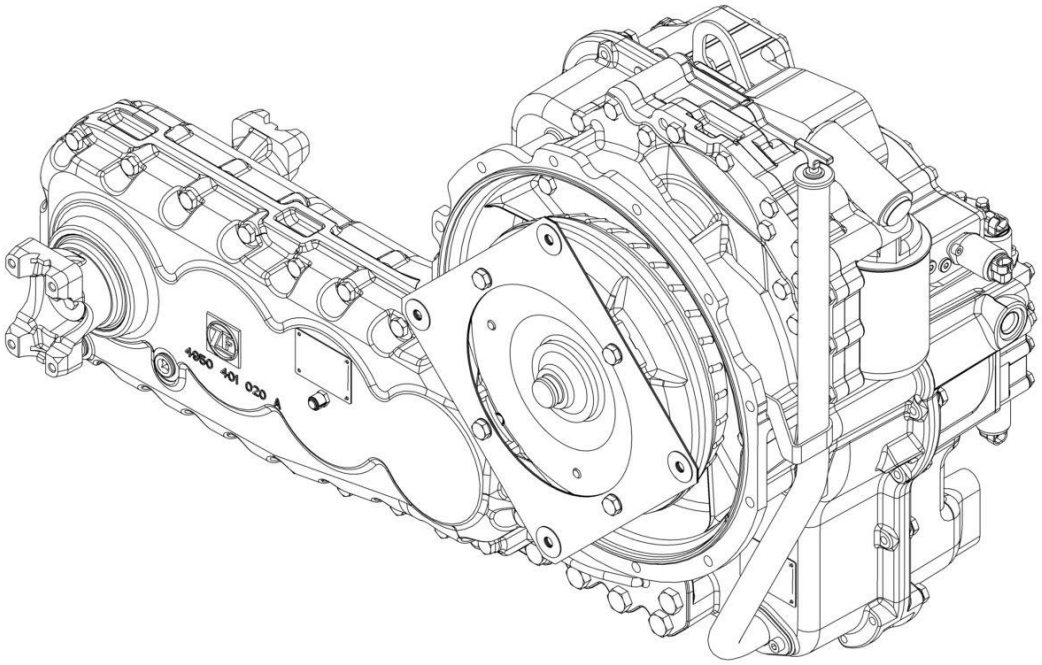


FIGURE 5-2. TRANSMISSION INSTALLATION, 110 HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161664	Ref	Transmission Installation	F
1	0711015	12	Screw, M10X35	
2	4812000	12	Washer, M10	
3	2131210	2	Fitting, 90 ORFS	
4	8405007	1	Clamp, Hose	
5	1001097053	1	Valve, Oil Drain	
6	1001186225	1	Hose, Drain	
7	1001128478	1	Switch, Oil Temperature	
8	1001260171	1	Transmission, Powershift (See Separate Breakdown in this Section)	
9	0761010	4	Screw, M10X20	
10	1001220760	1	Adapter	
11	1001009163	1	Seal	

FIGURE 5-3. POWERSHIFT TRANSMISSION



ART_1001260171-A

FIGURE 5-3. POWERSHIFT TRANSMISSION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	Powershift Transmission	A
		Ref	Transmission, Engine Connection (See Separate Breakdown in this Section)	
		Ref	Transmission, Converter (See Separate Breakdown in this Section)	
		Ref	Transmission, Input (See Separate Breakdown in this Section)	
		Ref	Transmission, Housing Group 1 (See Separate Breakdown in this Section)	
		Ref	Transmission, Housing Group 2 (See Separate Breakdown in this Section)	
		Ref	Transmission, Clutch Group 1 (See Separate Breakdown in this Section)	
		Ref	Transmission, Clutch Group 2 (See Separate Breakdown in this Section)	
		Ref	Transmission, Coupling Group 1 (See Separate Breakdown in this Section)	
		Ref	Transmission, Coupling Group 2 (See Separate Breakdown in this Section)	
		Ref	Transmission, Coupling Group 3 (See Separate Breakdown in this Section)	
		Ref	Transmission, Coupling Group 4 (See Separate Breakdown in this Section)	
		Ref	Transmission, Output (See Separate Breakdown in this Section)	
		Ref	Transmission, Power Take-Off (See Separate Breakdown in this Section)	
		Ref	Transmission, Control Unit (See Separate Breakdown in this Section)	
		Ref	Transmission, Shift System (See Separate Breakdown in this Section)	
		Ref	Transmission, Pressure Regulator (See Separate Breakdown in this Section)	
		Ref	Transmission, Pressure Oil Pump (See Separate Breakdown in this Section)	
		Ref	Transmission, Inductive Transmitter (See Separate Breakdown in this Section)	
		Ref	Transmission, Filter (See Separate Breakdown in this Section)	
		Ref	Transmission, Oil Dipstick (See Separate Breakdown in this Section)	
		Ref	Transmission, Accessories (See Separate Breakdown in this Section)	

FIGURE 5-4. TRANSMISION, ENGINE CONNECTION

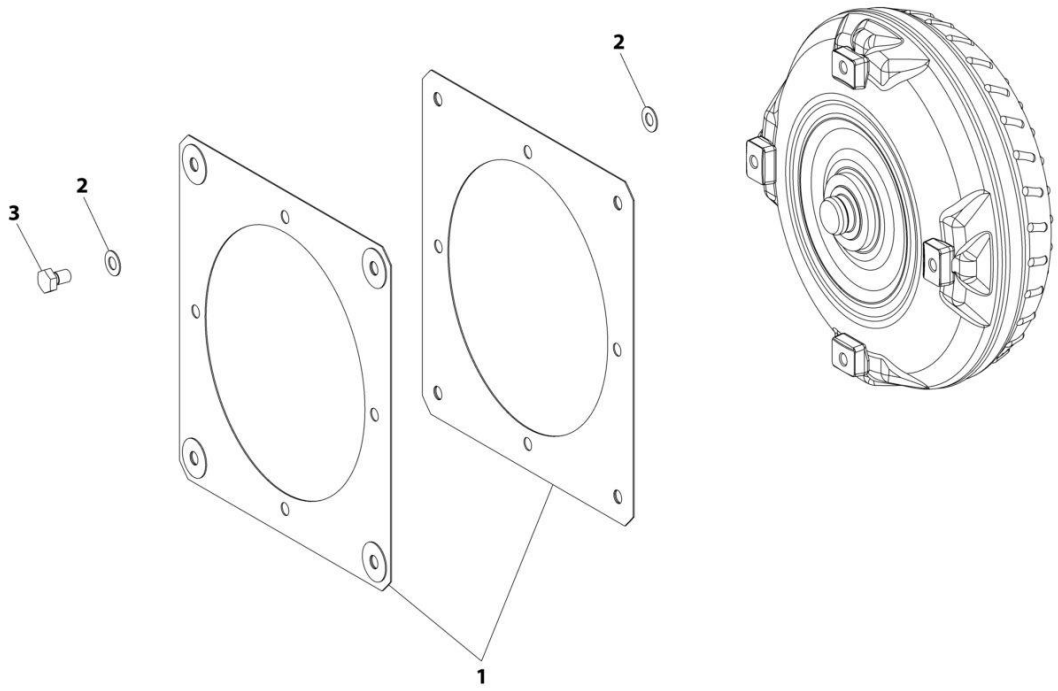
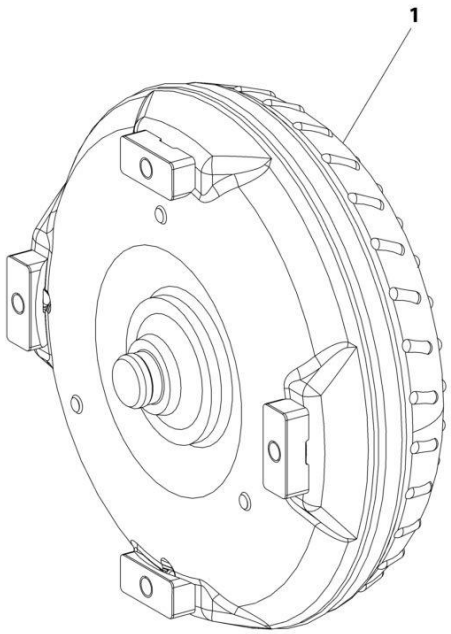


FIGURE 5-4. TRANSMISION, ENGINE CONNECTION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, ENGINE CONNECTION	A
1	1319229	2	Diaphragm	
2	7026745	8	Washer	
3	7026744	4	Screw	

FIGURE 5-5. TRANSMISSION, CONVERTER



ART_1001260171_2-A

FIGURE 5-5. TRANSMISSION, CONVERTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, CONVERTER	A
1	7026746	1	Converter	

FIGURE 5-6. TRANSMISSION, INPUT

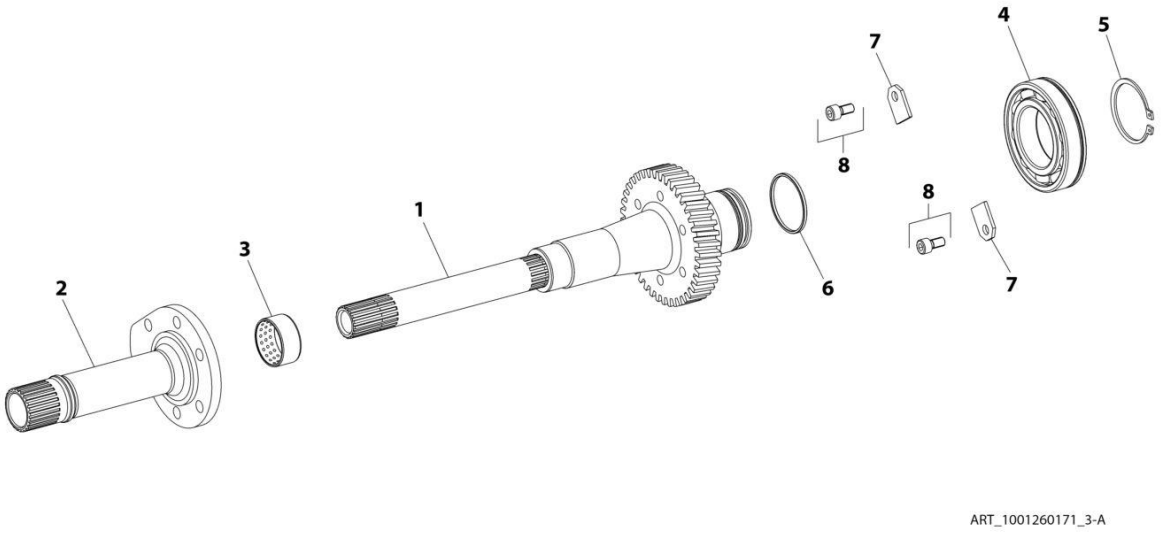


FIGURE 5-6. TRANSMISSION, INPUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, INPUT	A
1	7026747	1	Shaft, Turbine	
2	7026748	1	Shaft, Stator	
3	1319558	1	Bushing, Bearing	
4	1319563	1	Bearing, Ball	
5	80304405	1	Ring, Retaining	
6	7026749	1	Ring, Piston	
7	70026515	2	Strap	
8	70026516	2	Bolt	

FIGURE 5-7. TRANSMISSION, HOUSING GROUP 1

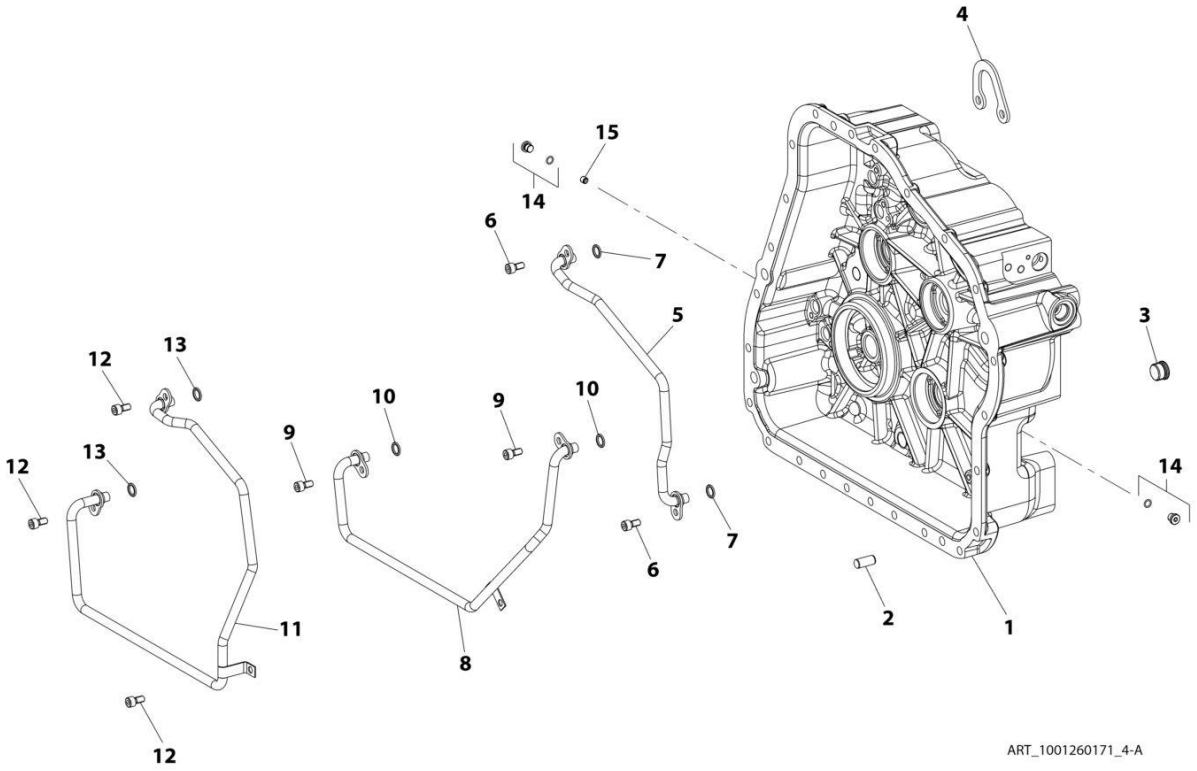


FIGURE 5-7. TRANSMISSION, HOUSING GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, HOUSING GROUP 1	A
1	7029973	1	Housing	
2	1319571	2	Pin, Cylndrical	
3	70029525	1	Plug, Screw	
4	1319590	1	Bracket	
5	7026750	1	Tube	
6	70026516	2	Screw	
7	8036847	2	O-Ring	
8	7026751	1	Pipe, Gearbox Housing	
9	70026516	2	Screw	
10	8036847	2	O-Ring	
11	7026752	1	Pipe, Gearbox Housing	
12	70026516	3	Bolt	
13	8036847	2	O-Ring	
14	70026517	7	Screw Plug	
15	70026518	1	Nozzle	

FIGURE 5-8. TRANSMISSION, HOUSING GROUP 2

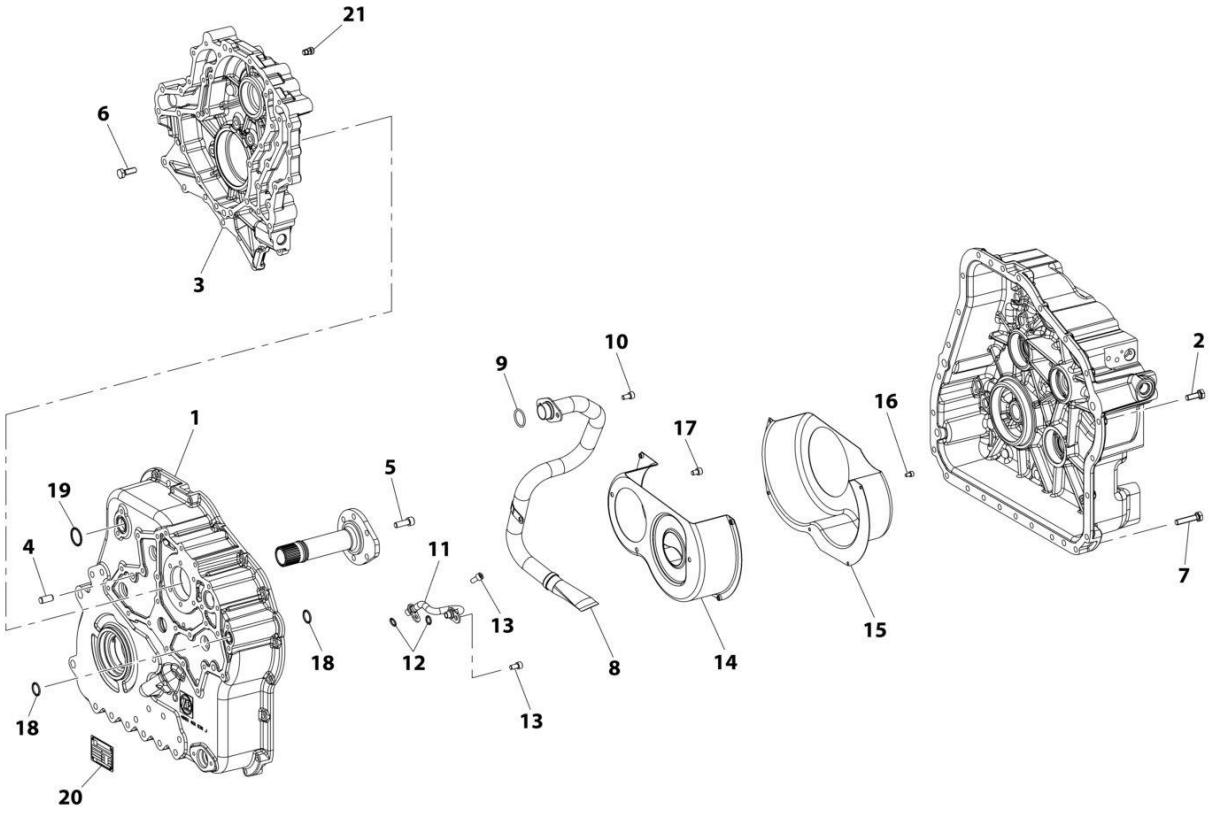


FIGURE 5-8. TRANSMISSION, HOUSING GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, HOUSING GROUP 2	A
1	70028854	1	Housing	
2	70027651	18	Bolt	
3	70021920	1	Housing	
4	1319571	2	Pin, Cylindrical	
5	70026519	6	Bolt	
6	70027651	13	Bolt	
7	7026794	7	Screw	
8	70028853	1	Suction Tube	
9	70023885	1	O-Ring	
10	70026516	2	Bolt	
11	7026754	1	Pipe, Gearbox Housing	
12	8036847	2	O-Ring	
13	70026516	2	Bolt	
14	7026755	1	Screen Sheet, Gearbox Housing	
15	7026756	1	Screen Sheet, Gearbox Housing	
16	7029031	5	Screw	
17	70028855	3	Screw	
18	7026792	2	O-Ring	
19	70023885	1	O-Ring	
20	10731744	1	Breather	

FIGURE 5-9. TRANSMISSION, CLUTCH GROUP 1

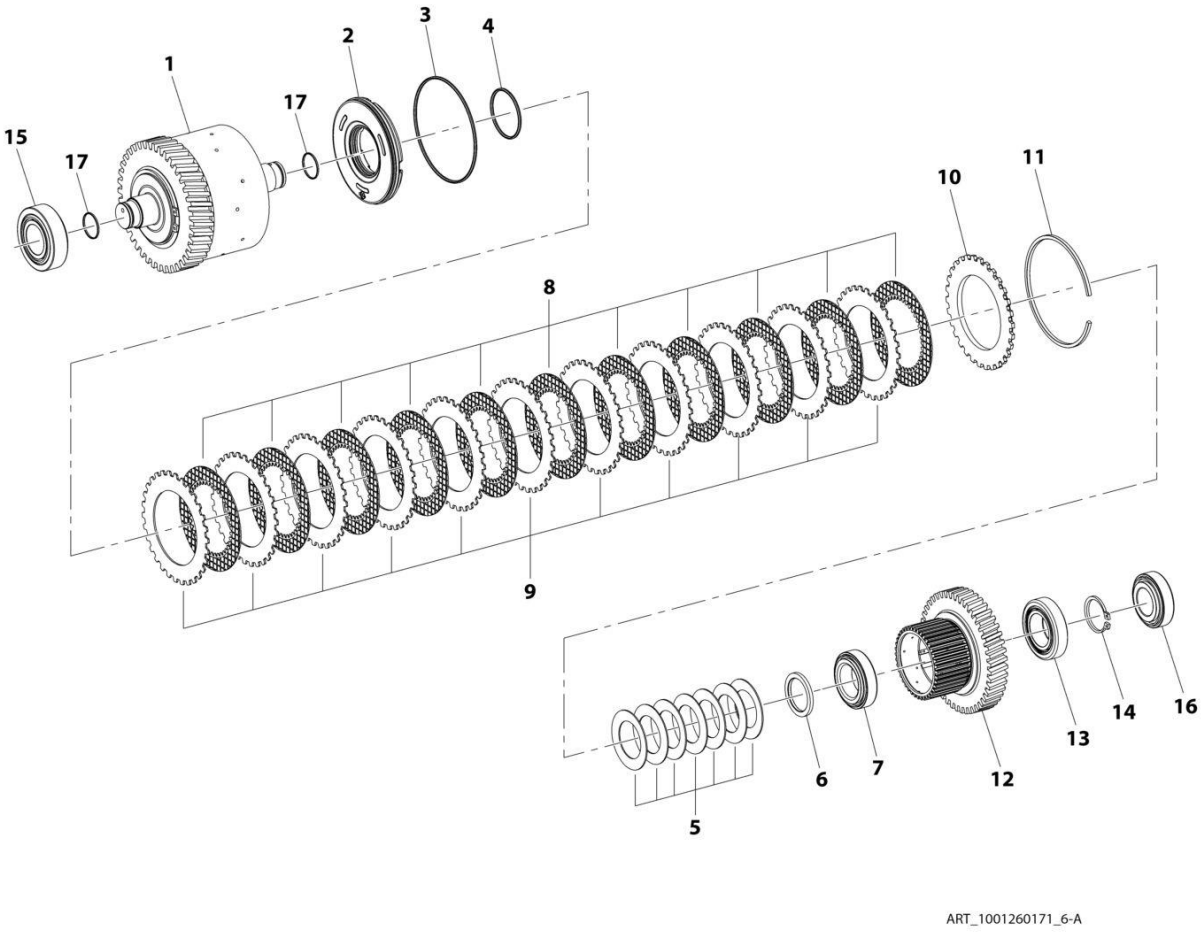


FIGURE 5-9. TRANSMISSION, CLUTCH GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, CLUTCH GROUP 1	A
1	7026757	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring, 115X3	
4	1319593	1	O-Ring, 52X3	
5	1319595	7	Spring, Cup	
6	1319617	1	Shim, Support	
7	1319618	1	Bearing, Roller	
8	7026758	11	Inner Clutch Disk	
9	7026759	11	Outer Clutch Disk	
10	7026760	1	End Shim	
11	70026529	1	Snap Ring, 2.50	
12	7029852	1	Snap Ring, 2.75	
13	1319602	1	Snap Ring, 3.0	
14	7029849	1	Snap Ring, 3.25	
15	1319601	1	Snap Ring, 3.5	
16	7029850	1	Snap Ring, 3.75	
17	1319600	1	Snap Ring, 4.00	
18	1319638	1	Carrier, Disc	
19	1319620	1	Bearing, Taper Roller	
20	1319632	1	Ring, Retaining 38 X 2.1	
21	1319631	1	Ring, Retaining 38 X 2.2	
22	1319630	1	Ring, Retaining 38 X 2.3	
23	1319628	1	Ring, Retaining 38 X 2.4	
24	1319628	1	Ring, Retaining 38 X 2.5	
25	1319627	1	Ring, Retaining 2.60	
26	1319626	1	Ring, Retaining 2.70	
27	1319625	1	Ring, Retaining 2.80	
28	1319624	1	Ring, Retaining 2.90	
29	1319623	1	Ring, Retaining 3.00	
30	1319622	1	Ring, Retaining 3.10	
31	1319621	1	Ring, Retaining 3.20	
32	1319615	1	Bearing, Roller	
33	1319636	1	Bearing, Tapered Roller	
34	7026761	2	Ring, Piston	

FIGURE 5-10. TRANSMISSION, CLUTCH GROUP 2

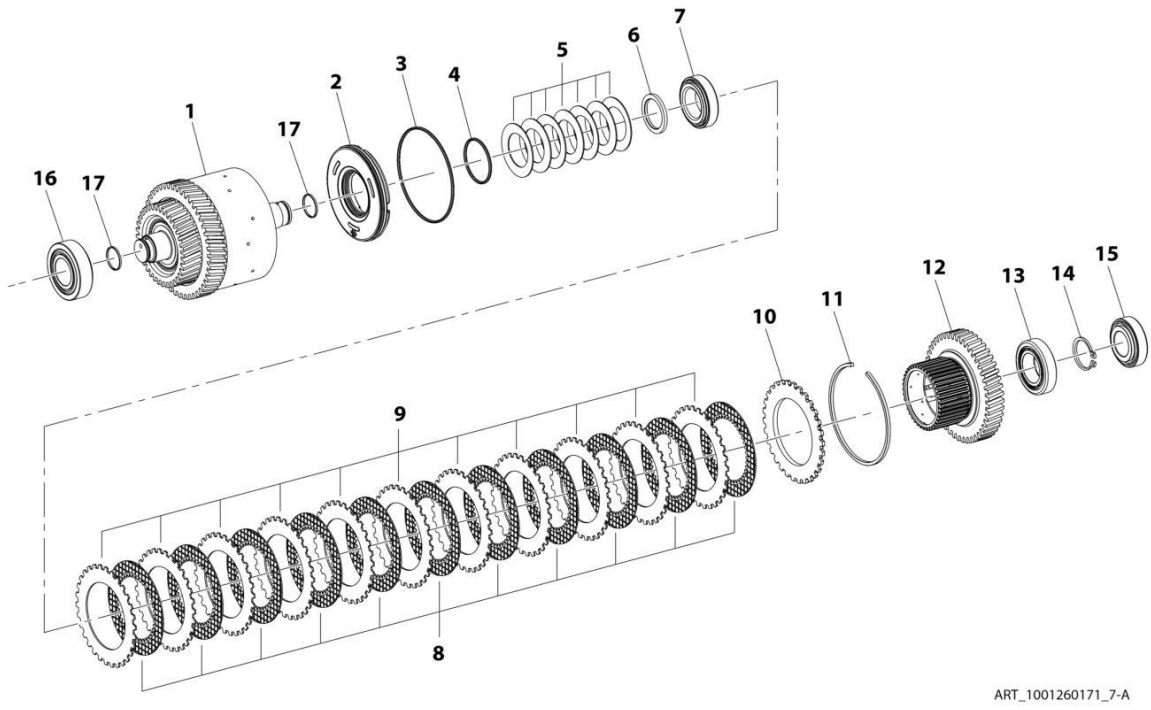


FIGURE 5-10. TRANSMISSION, CLUTCH GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, CLUTCH GROUP 2	A
1	7026762	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring, 115X3	
4	1319593	1	O-Ring, 52X3	
5	1319595	7	Cup Spring	
6	1319617	1	Shim, Support	
7	1319618	1	Bearing, Roller	
8	7026758	11	Clutch Disk, Inner	
9	7026759	11	Clutch Disk, Outer	
10	7026760	1	End Shim	
11	70026529	1	Snap Ring, 2.50	
	7029852	1	Snap Ring, 2.75	
	1319602	1	Snap Ring, 3.0	
	7029849	1	Snap Ring, 3.25	
	1319601	1	Snap Ring, 3.5	
	7029850	1	Snap Ring, 3.75	
	1319600	1	Snap Ring, 4.00	
12	1319638	1	Carrier, Disc	
13	1319620	1	Bearing, Taper Roller	
14	1319632	1	Ring, Retaining 38 X 2.1	
	1319631	1	Ring, Retaining 38 X 2.2	
	1319630	1	Ring, Retaining 38 X 2.3	
	1319628	1	Ring, Retaining 38 X 2.5	
	1319628	1	Ring, Retaining 38 X 2.4	
	1319627	1	Ring, Retaining 2.60	
	1319626	1	Ring, Retaining 2.70	
	1319625	1	Ring, Retaining 2.80	
	1319624	1	Ring, Retaining 2.90	
	1319623	1	Ring, Retaining 3.00	
	1319622	1	Ring, Retaining 3.10	
	1319621	1	Ring, Retaining 3.20	
15	1319615	1	Bearing, Roller	
16	1319636	1	Bearing, Tapered Roller	
17	7026761	2	Ring, Piston	

FIGURE 5-11. TRANSMISSION, COUPLING GROUP 1

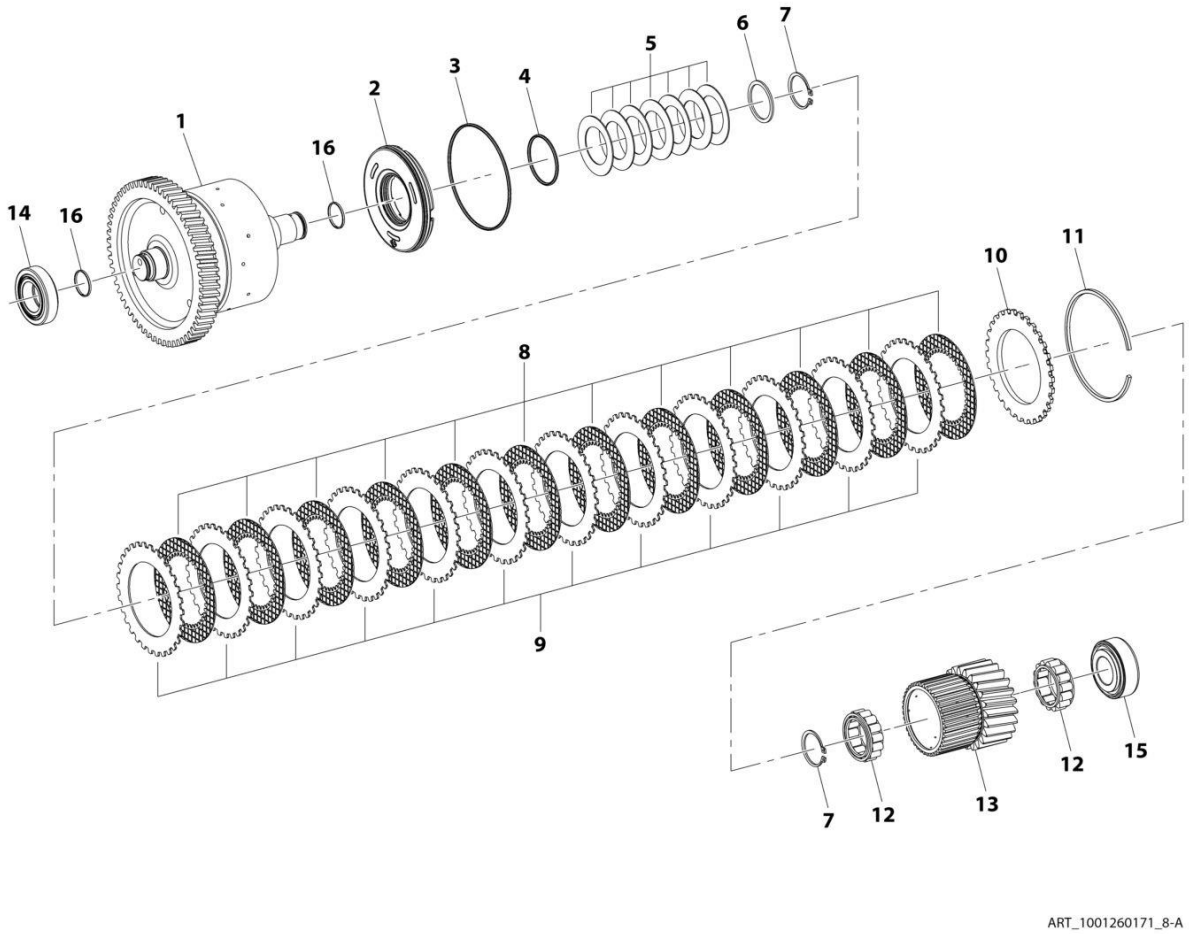


FIGURE 5-11. TRANSMISSION, COUPLING GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, COUPLING GROUP 1	A
1	70026530	1	Coupling	
2	1319613	1	Coupling	
3	1319594	1	O-Ring, 115 X 3	
4	1319593	1	O-Ring, 52 X 3	
5	1319595	7	Cup Spring	
6	70029526	1	Shim	
7	10731845	2	Retaining Ring	
8	7026758	12	Inner Clutch Disk	
9	7026759	12	Static Disc	
10	7026760	1	End Shim	
11	70026529	1	Snap Ring, 2.50	
	7029852	1	Snap Ring, 2.75	
	1319602	1	Snap Ring, 3.00	
	70026529	1	Snap Ring, 3.25	
	1319601	1	Snap Ring, 3.50	
	7029850	2	Snap Ring, 3.75	
	1319600	1	Snap Ring, 4.00	
17	7027265	1	Roller Cage	
	70024902	1	Washer, Roller Cage	
18	7027265	1	Roller Gage Assembly	
19	1319608	1	Bearing, Tapered Roller	
20	8036190	1	Roller Bearing Assembly	
21	7026761	2	Ring, Piston	

FIGURE 5-12. TRANSMISSION, COUPLING GROUP 2

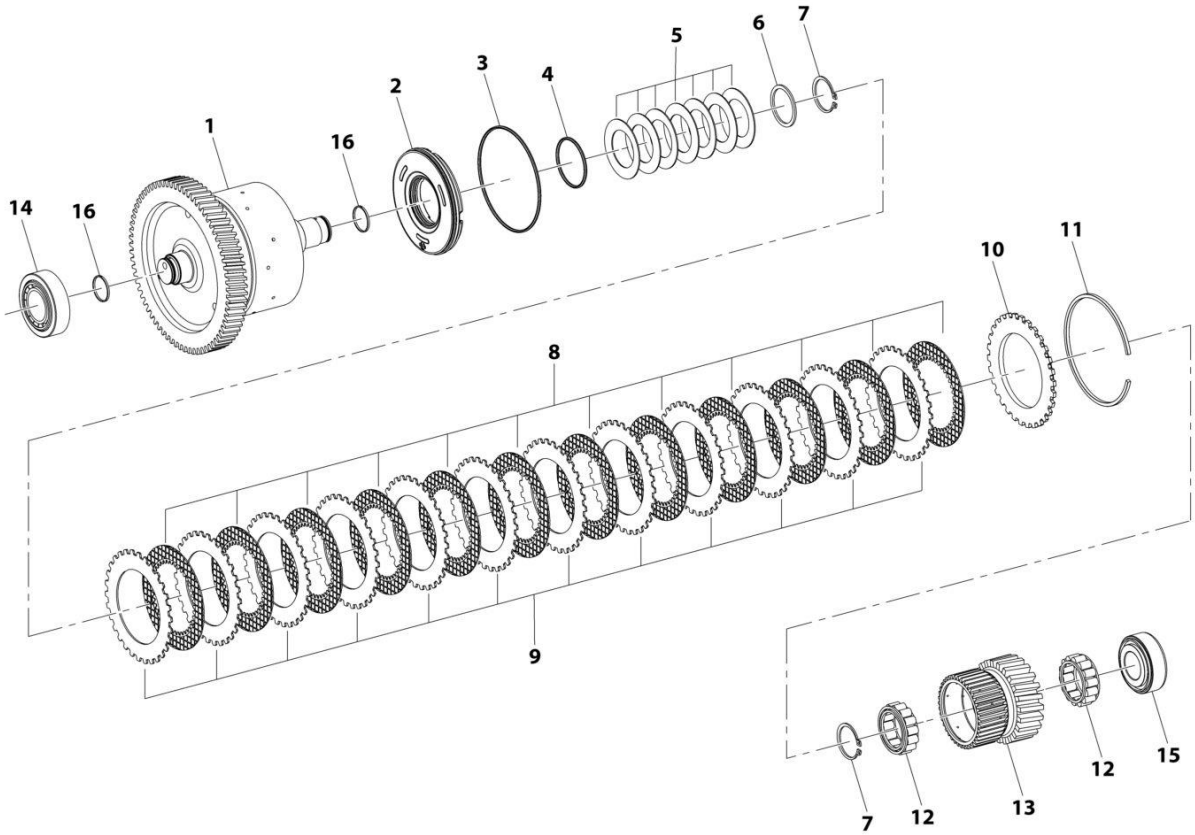


FIGURE 5-12. TRANSMISSION, COUPLING GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, COUPLING GROUP 2	A
1	70026535	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring, 115 X 3	
4	1319593	1	O-Ring, 52 X 3	
5	1319595	7	Spring, Cup	
6	70029526	1	Shim	
7	10731845	2	Retaining Ring	
8	7026758	8	Inner Clutch Disk	
9	7026759	8	Outer Clutch Disk	
10	7026760	1	End Shim	
11	70026529	1	Snap Ring, 2.50	
	7029852	1	Snap Ring, 2.75	
	1319602	1	Snap Ring, 3.00	
	7029849	1	Snap Ring, 3.25	
	1319601	1	Snap Ring, 3.50	
	7029850	1	Snap Ring, 3.75	
	1319600	1	Snap Ring, 4.00	
12	1319606	1	Roller Cage	
	7027265	1	Roller Cage	
13	1319614	1	Carrier, Disc	
14	1319615	1	Roller Bearing	
15	8036190	1	Bearing, Tapered Roller	
16	7026761	2	Piston Ring	

FIGURE 5-13. TRANSMISSION, COUPLING GROUP 3

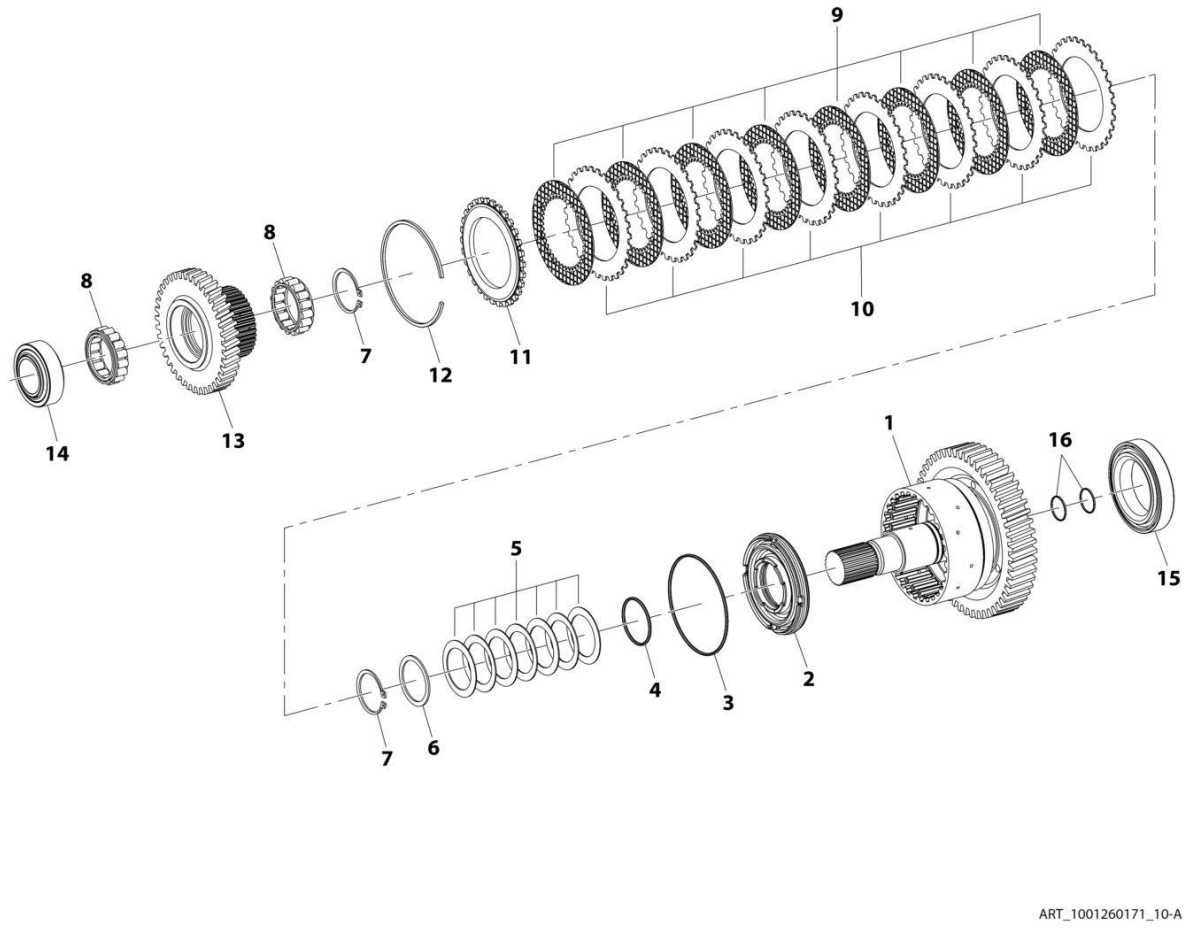


FIGURE 5-13. TRANSMISSION, COUPLING GROUP 3

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, COUPLING GROUP 3	A
1	70026532	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring, 115 X 3	
4	1319593	1	O-Ring, 52 X 3	
5	7026765	7	Spring, Cup	
6	7026766	1	Washer	
7	80304227	2	Retaining Ring	
8	70021227	1	Ring	
	70021228	1	Roller Cage	
9	7026758	8	Inner Clutch Disk	
10	7026759	8	Outer Clutch Disk	
11	7026760	1	End Shim	
12	70026529	1	Snap Ring, 2.50	
	7029852	1	Snap Ring, 2.75	
	1319602	1	Snap Ring, 3.00	
	7029849	1	Snap Ring, 3.25	
	1319601	1	Snap Ring, 3.50	
	7029850	1	Snap Ring, 3.75	
	1319600	1	Snap Ring, 4.00	
13	7027267	1	Carrier, Disc	
14	70021268	1	Outer Bearing Ring	
	70021269	1	Inner Bearing Ring	
15	7026769	1	Bearing, Roller	
16	7026761	2	Ring, Piston	

FIGURE 5-14. TRANSMISSION, COUPLING GROUP 4

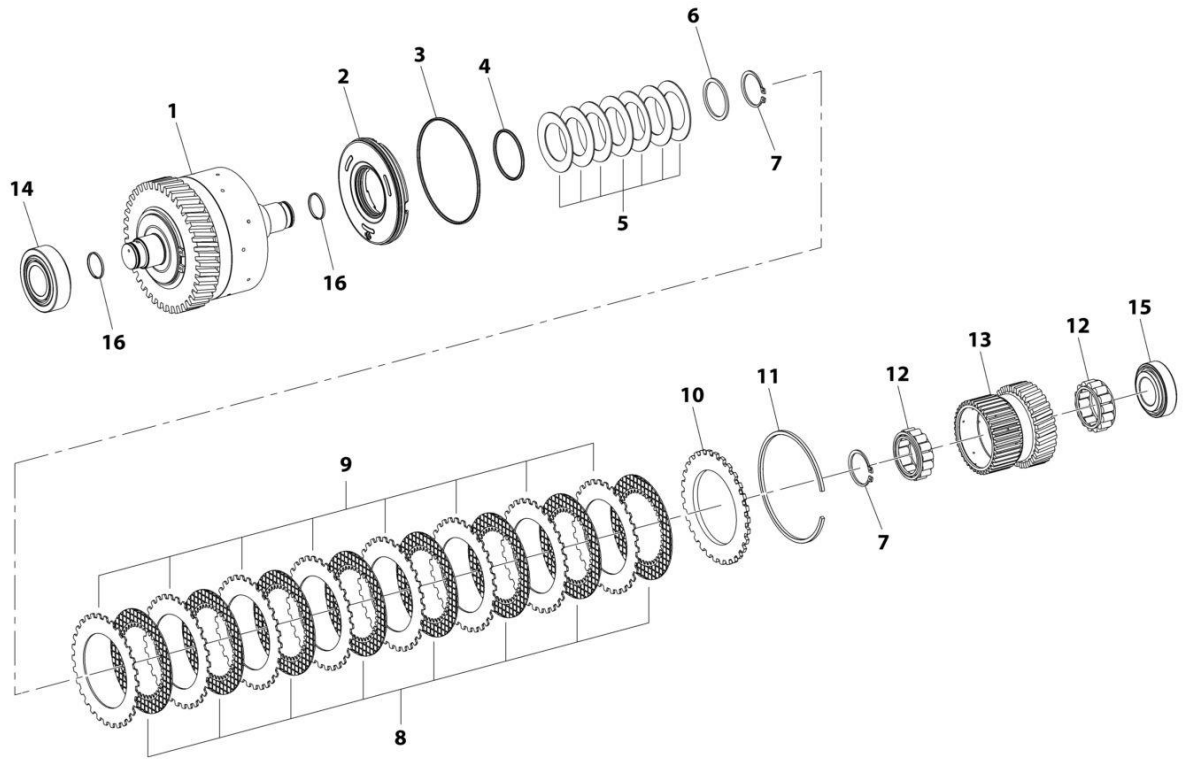
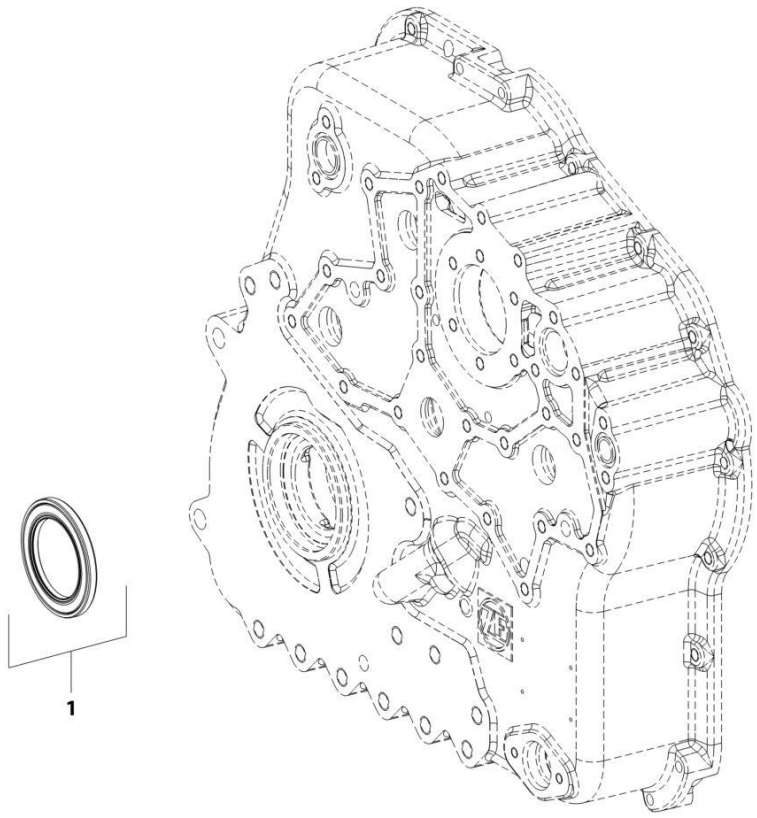


FIGURE 5-14. TRANSMISSION, COUPLING GROUP 4

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, COUPLING GROUP 4	A
1	70026535	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring, 115 X 3	
4	1319593	1	O-Ring, 52 X 3	
5	1319595	7	Spring, Cup	
6	70029526	1	Shim	
7	10731845	2	Ring, Retaining	
8	7026758	8	Inner Clutch Disk	
9	7026759	8	Outer Clutch Disk	
10	7026760	1	End Shim	
11	70026529	1	Snap Ring, 2.50	
	7029852	1	Snap Ring, 2.75	
	1319602	1	Snap Ring, 3.00	
	7029849	1	Snap Ring, 3.25	
	1319601	1	Snap Ring, 3.50	
	7029850	1	Snap Ring, 3.75	
	1319600	1	Snap Ring, 4.00	
12	1319606	1	Cage, Roller	
	70024902	1	Washer, Roller Cage	
13	1319635	1	Carrier, Disc	
14	1319615	1	Bearing, Roller	
15	1319636	1	Bearing, Roller	
16	7026761	2	Ring, Piston	

FIGURE 5-15. TRANSMISSION, OUTPUT



ART_1001260171_12-A

FIGURE 5-15. TRANSMISSION, OUTPUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, OUTPUT	A
1	70026536	1	Shaft Seal	

FIGURE 5-16. TRANSMISSION, POWER TAKE-OFF

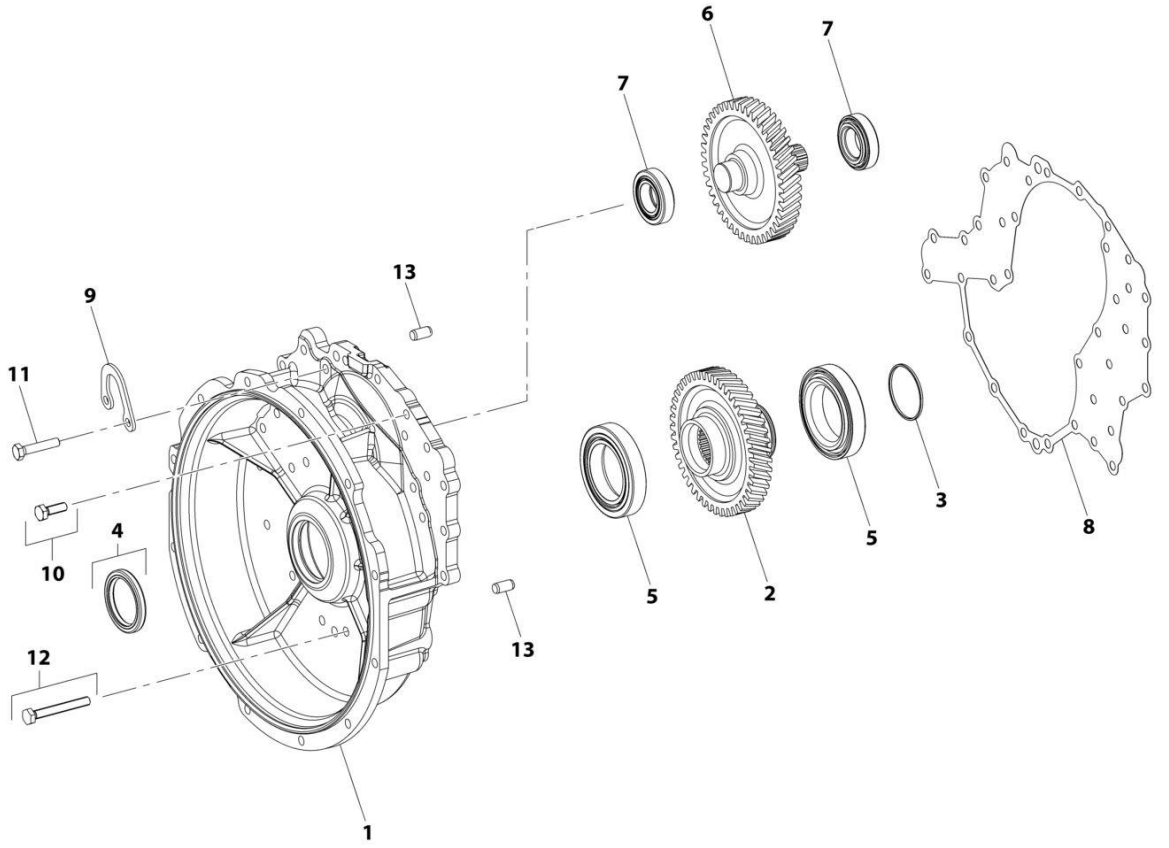
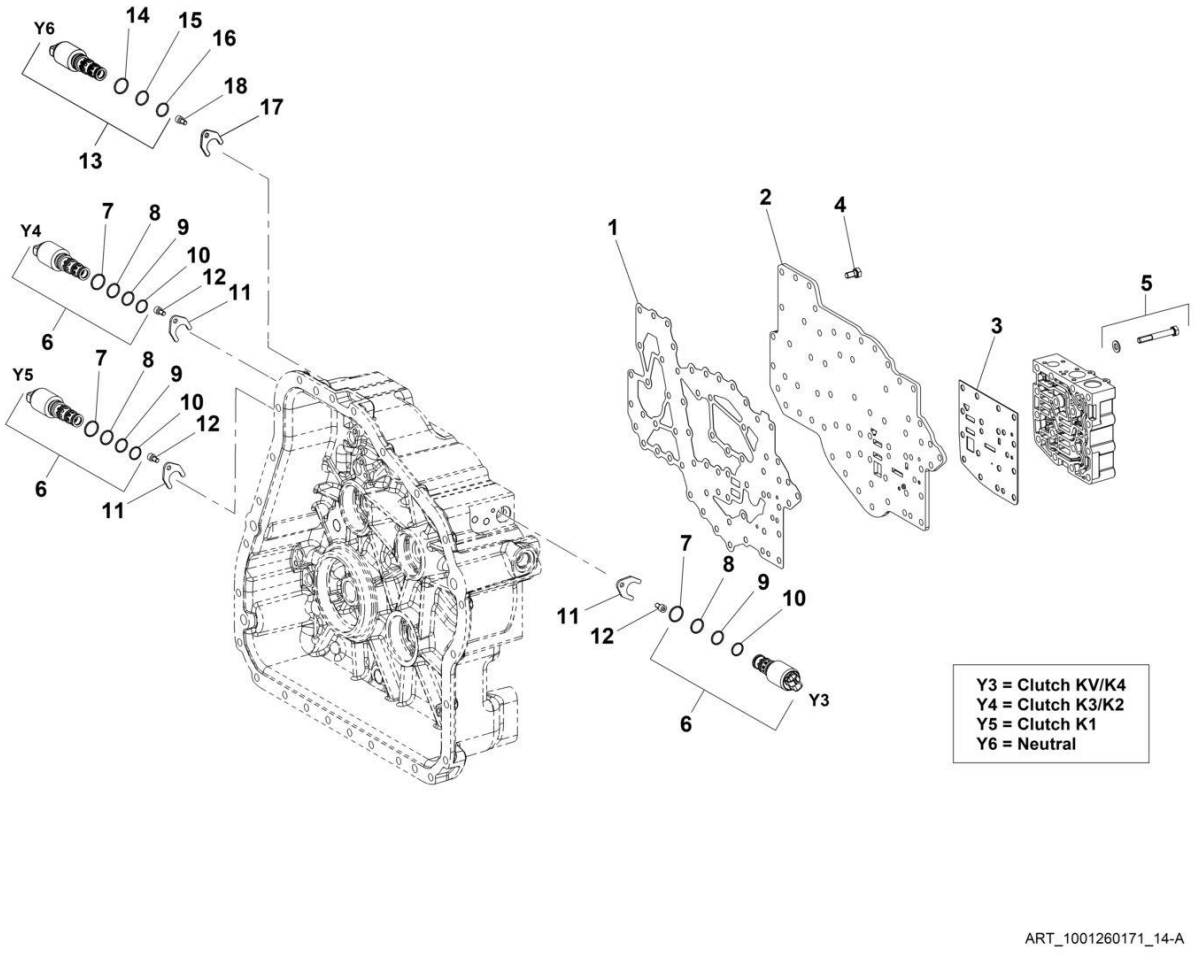


FIGURE 5-16. TRANSMISSION, POWER TAKE-OFF

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, POWER TAKE-OFF	A
1	70021526	1	PTO Housing	
2	7026771	1	Shaft	
3	7026772	1	Ring, Piston	
4	1319576	1	Shaft Seal	
5	7026769	2	Roller Bearing	
6	7026773	1	Shaft	
7	1319608	2	Bearing, Roller	
8	7026774	1	Gasket	
9	1319590	1	Bracket	
10	70027651	19	Bolt	
11	70029527	2	Bolt	
12	7026775	15	Screw	
13	1319571	2	Pin, Cylindrical	

FIGURE 5-17. TRANSMISSION, CONTROL UNIT



ART_1001260171_14-A

FIGURE 5-17. TRANSMISSION, CONTROL UNIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, CONTROL UNIT	A
1	7026776	1	Gasket	
2	70029528	1	Plate	
3	70026539	1	Intermediate Sheet	
4	7026780	46	Screw	
5	7026781	16	Screw	
5	10732095	16	Washer	
6	8036529	3	Valve, Solenoid	
7	70029540	1	O-Ring	
8	70029541	1	O-Ring	
9	70029542	1	O-Ring	
10	70029543	1	O-Ring	
11	7029267	3	Bracket	
12	70026544	3	Bolt	
13	8036528	1	Valve, Solenoid	
14	70029540	1	O-Ring	
15	70029541	1	O-Ring	
16	70029530	1	O-Ring	
17	7029267	1	Bracket	
18	70026544	1	Bolt	

FIGURE 5-18. TRANSMISSION, SHIFT SYSTEM

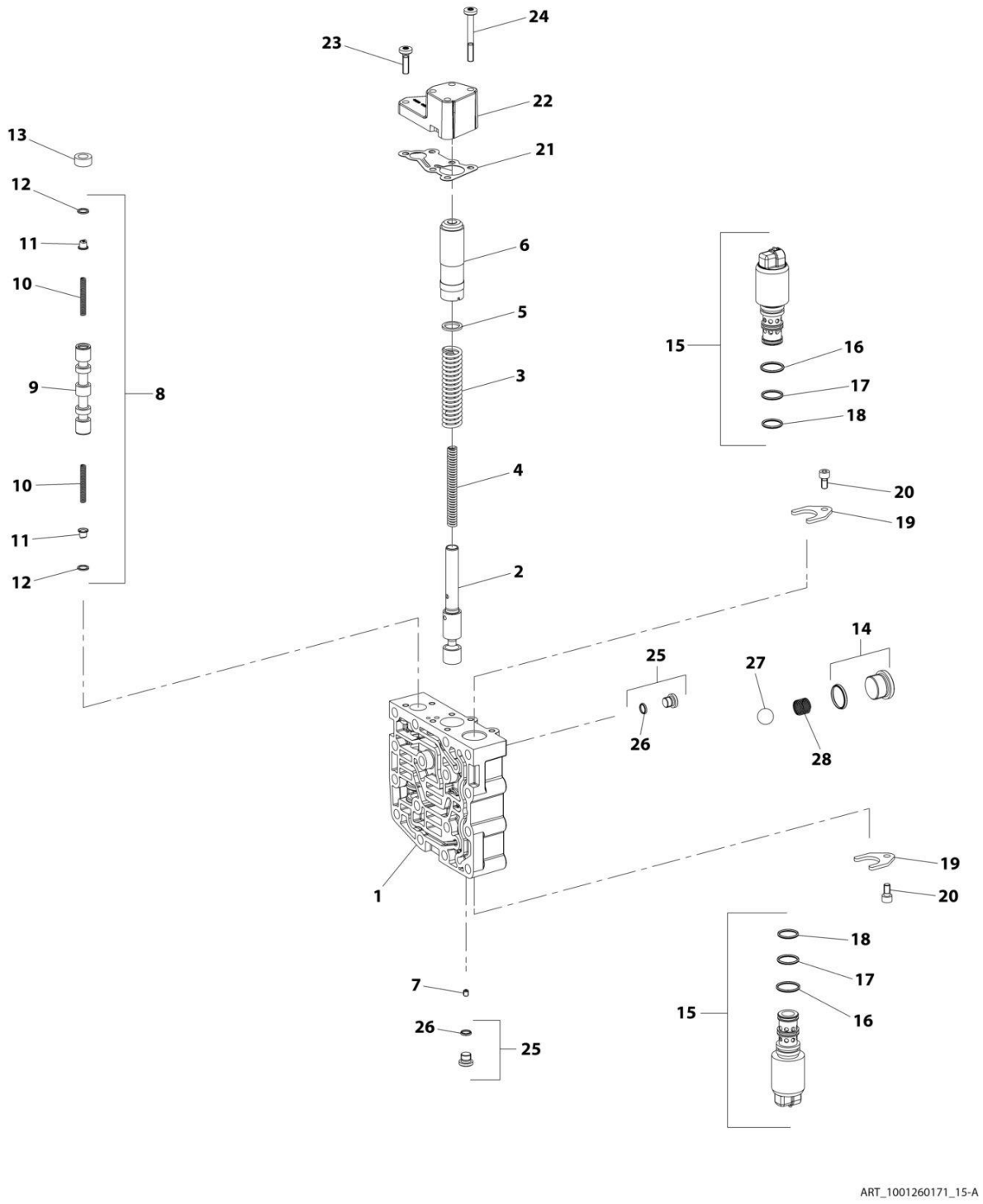


FIGURE 5-18. TRANSMISSION, SHIFT SYSTEM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, SHIFT SYSTEM	A
1	70029531	1	Valve Housing	
2	70026547	1	Control Piston	
3	1319683	1	Spring, Compression	
4	1319684	1	Spring, Compression	
5	1319689	1	Washer, 0.20	
	1319688	1	Washer, 0.30	
	1319687	1	Washer, 0.50	
	1319685	1	Washer, 2.00	
	1319686	1	Washer, 1.00	
6	70026548	1	Piston	
7	70029532	1	Nozzle	
8	1319694	1	Valve	
9	70029533	1	Piston	
10	70029534	2	Compression Spring	
11	70029535	2	Spring Sleeve	
12	70029536	2	Snap Ring	
13	7026787	1	Spacer	
14	70026554	1	Screw Plug	
	70000656	1	O-Ring	
15	8036528	2	Valve, Solenoid	
16	70029540	1	O-Ring	
17	70029541	1	O-Ring	
18	70029530	1	O-Ring	
19	7029267	2	Bracket	
20	70026544	2	Bolt	
21	7026788	1	Gasket	
22	7026789	1	Cover	
23	70026555	2	Torx Screw	
24	70026556	4	Torx Screw	
25	70026517	2	Screw Plug	
26	10731709	1	O-Ring	
27	70029537	1	Ball	
28	10732072	1	Spring, Compression	

FIGURE 5-19. TRANSMISSION, PRESSURE REGULATOR

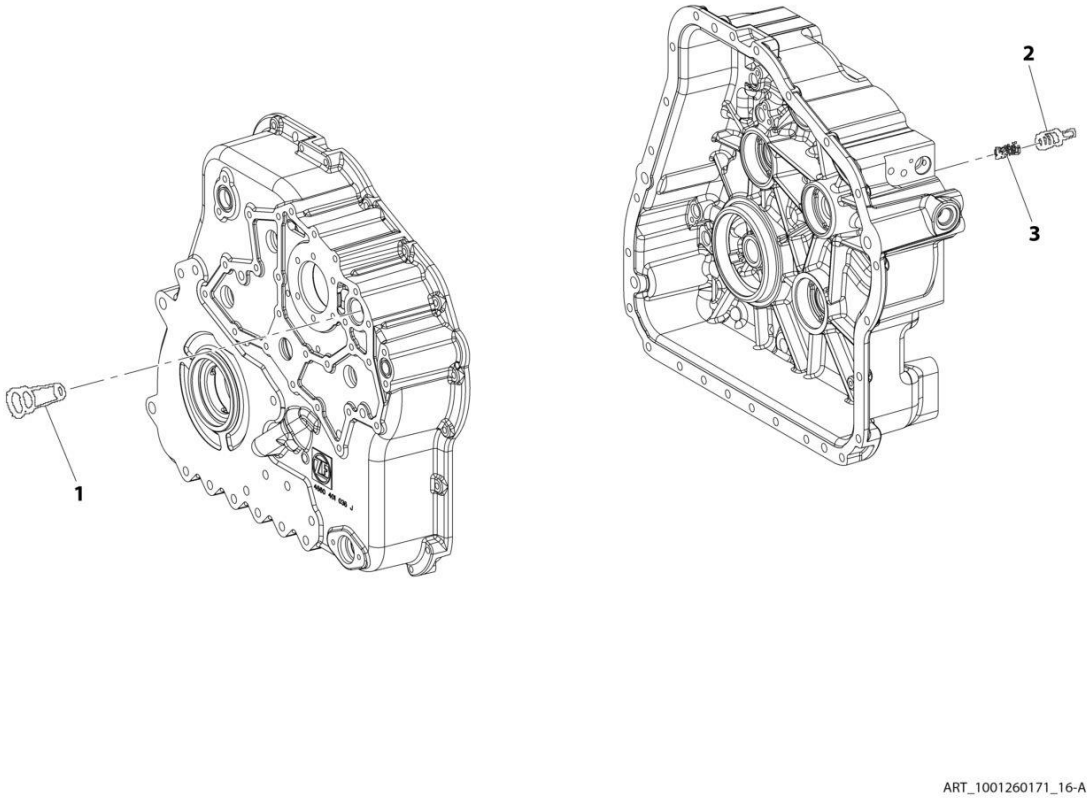


FIGURE 5-19. TRANSMISSION, PRESSURE REGULATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, PRESSURE REGULATOR	A
1	7026782	1	Valve	
2	7026783	1	Piston	
3	7026784	1	Spring, Compression	

FIGURE 5-20. TRANSMISSION, PRESSURE OIL PUMP

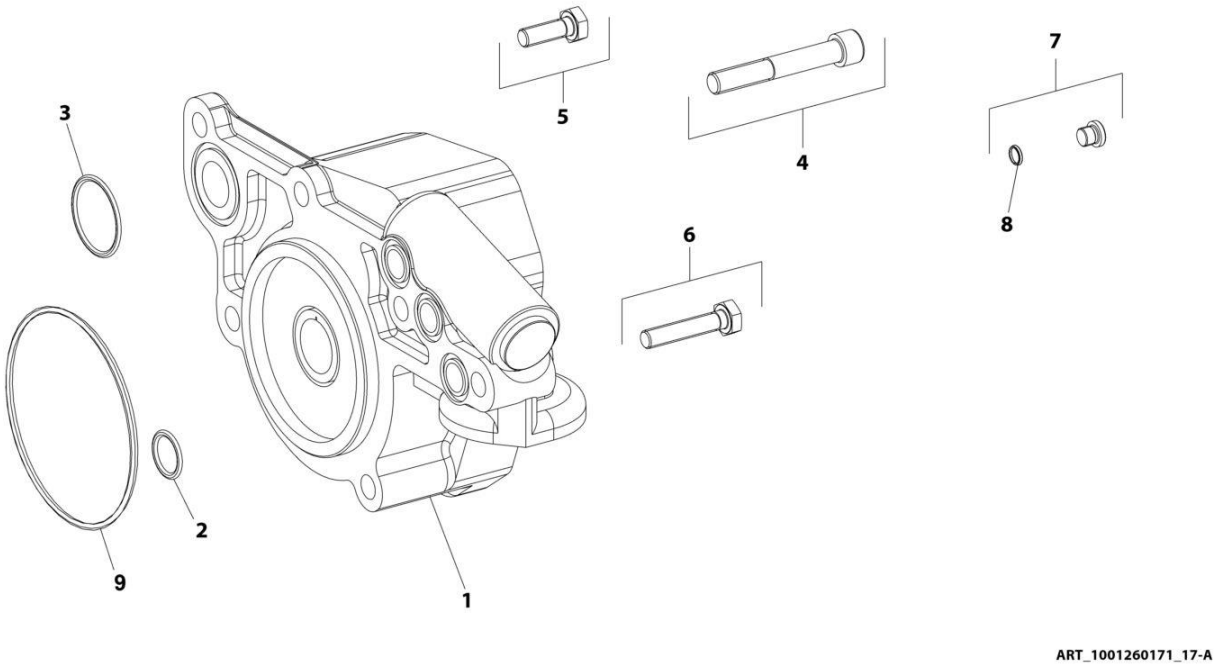
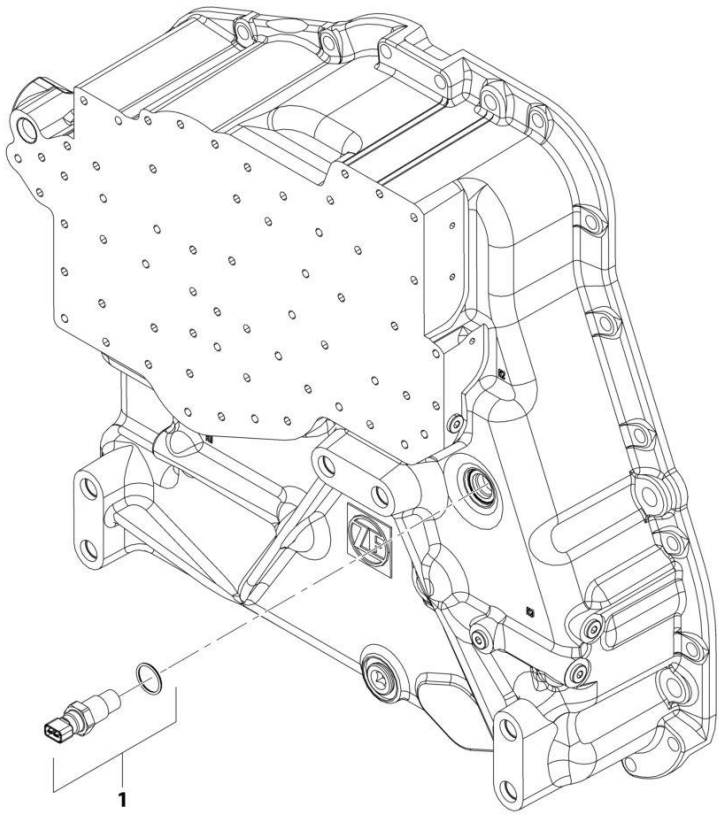


FIGURE 5-20. TRANSMISSION, PRESSURE OIL PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, PRESSURE OIL PUMP	A
1	7026791	1	Pump	
2	7026792	3	O-Ring	
3	70029538	1	O-Ring	
4	7026793	4	Screw	
5	70027651	1	Screw	
6	7026794	1	Screw	
7	70026517	2	Screw Plug	
8	10731709	2	O-Ring	
9	8036250	1	O-Ring (located between oil pump and transmission)	

FIGURE 5-21. TRANSMISSION, INDUCTIVE TRANSMITTER



ART_1001260171_18-A

FIGURE 5-21. TRANSMISSION, INDUCTIVE TRANSMITTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, INDUCTIVE TRANSMITTER	A
1	1001190881	1	Inductive Sensor	
1	70029539	1	O-Ring	

FIGURE 5-22. TRANSMISSION, FILTER

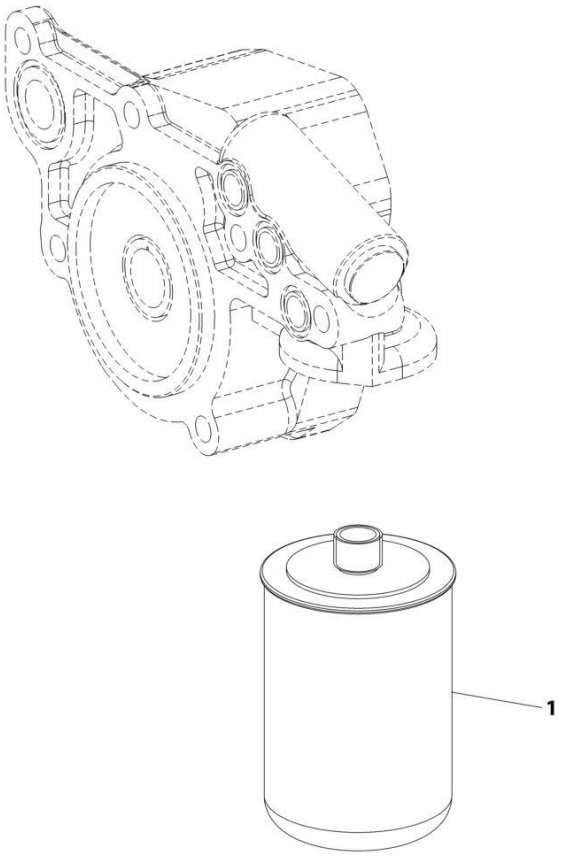
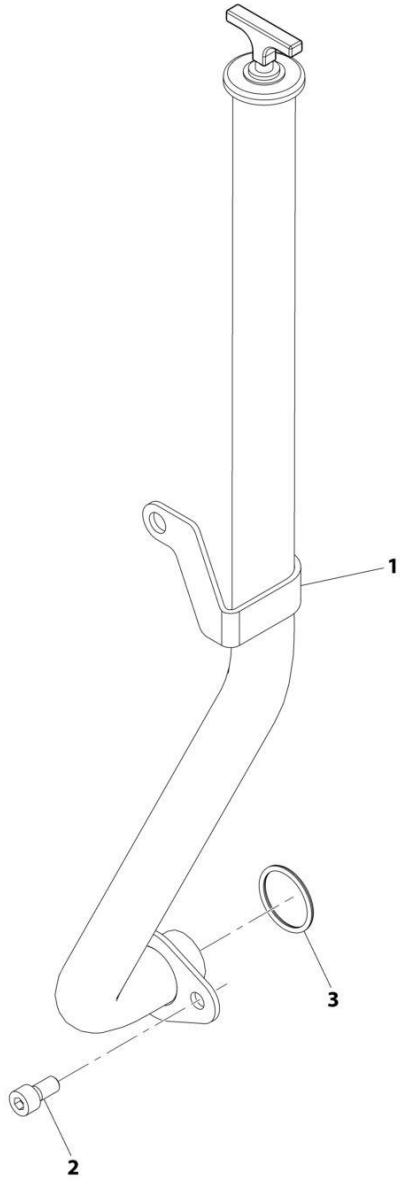


FIGURE 5-22. TRANSMISSION, FILTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, FILTER	A
1	1319726	1	Filter	

FIGURE 5-23. TRANSMISSION, OIL DIPSTICK

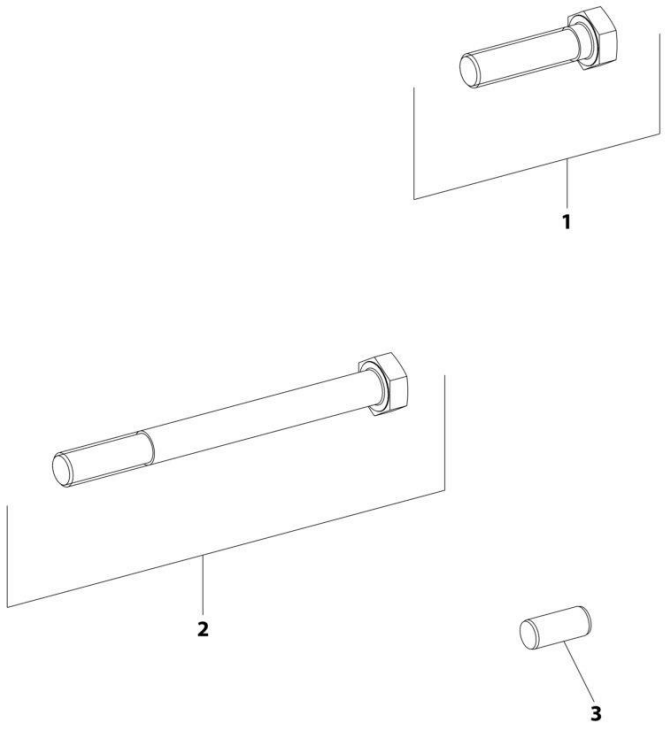


ART_1001260171_20-A

FIGURE 5-23. TRANSMISSION, OIL DIPSTICK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, OIL DIPSTICK	A
1	1001095738	1	Oil Tube & Dipstick	
2	70026516	2	Bolt	
3	70023885	1	O-Ring	

FIGURE 5-24. TRANSMISSION, ACCESSORIES

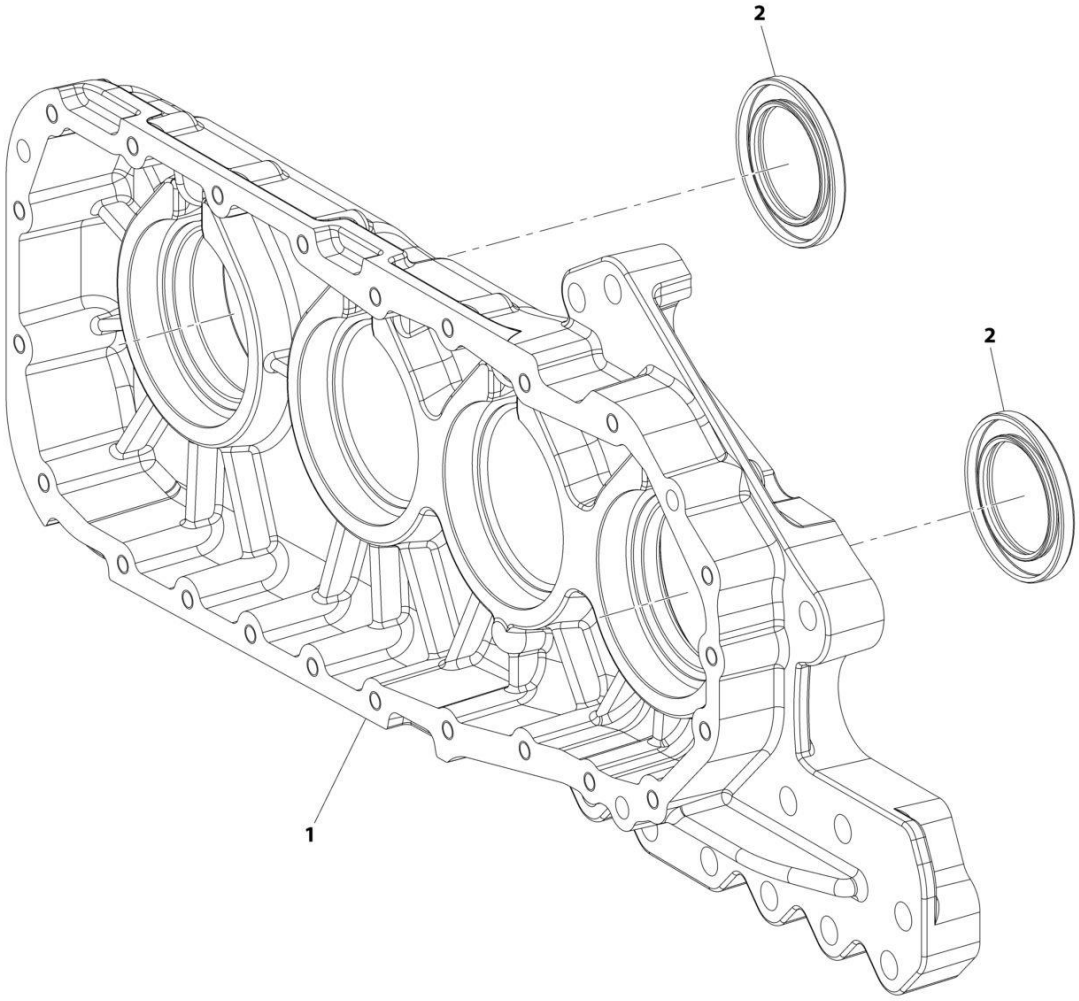


ART_1001260171_21-A

FIGURE 5-24. TRANSMISSION, ACCESSORIES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, ACCESSORIES	A
1	7027254	12	Screw	
2	7027255	2	Screw	
3	1319571	1	Pin, Cylindrical	

FIGURE 5-25. TRANSMISSION, TRANSFER BOX HOUSING 1



ART_1001260171_22-A

FIGURE 5-25. TRANSMISSION, TRANSFER BOX HOUSING 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, TRANSFER BOX HOUSING 1	A
1	70023474	1	Housing, Transfer Box	
2	70026536	2	Shaft Seal	

FIGURE 5-26. TRANSMISSION, TRANSFER BOX HOUSING 2

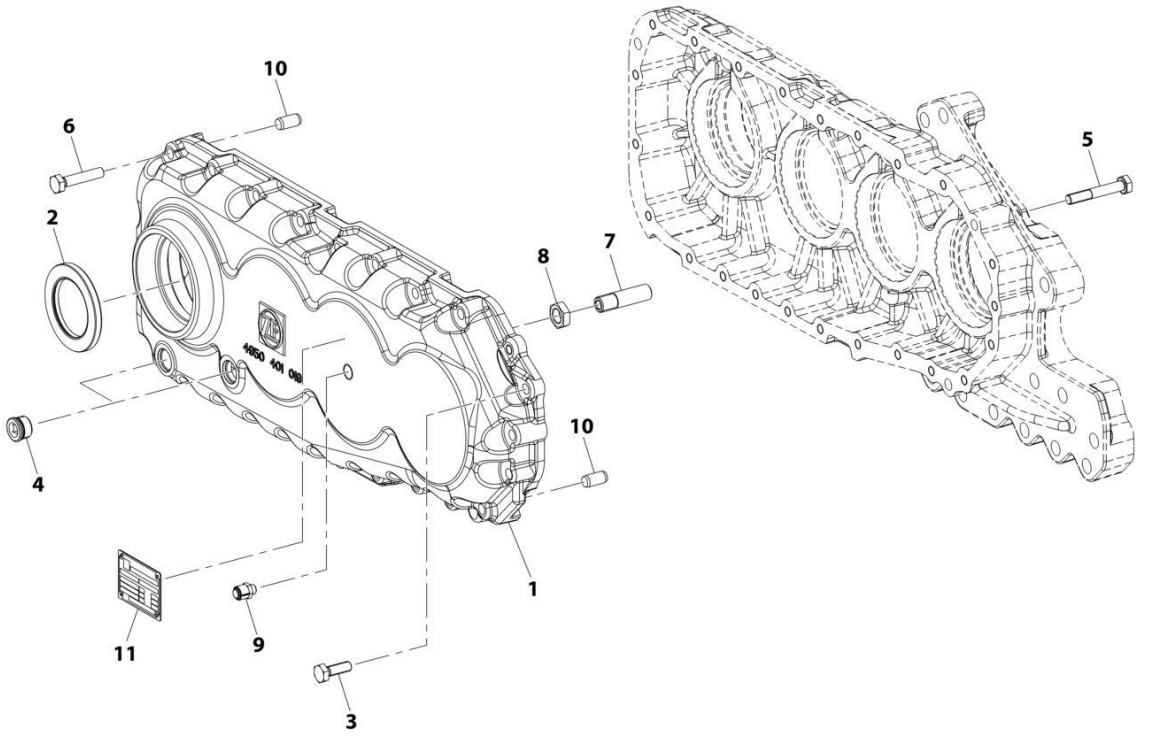
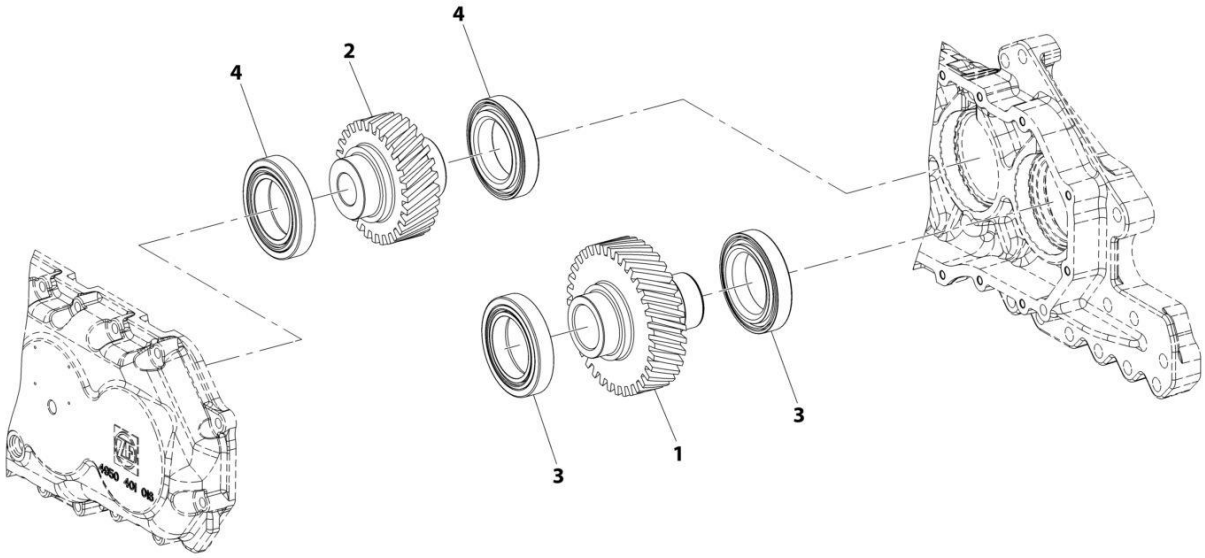


FIGURE 5-26. TRANSMISSION, TRANSFER BOX HOUSING 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, TRANSFER BOX HOUSING 2	A
1	70028163	1	Housing, Transfer Box	
2	70026536	1	Shaft Seal	
3	70023800	1	Bolt	
4	70029525	2	Plug, Screw	
5	70023476	1	Bolt	
6	70023801	22	Bolt	
7	7026577	1	Sleeve	
8	7026578	1	Nut	
9	1319436	1	Breather	
10	1319571	2	Pin	
11	N.S.S.	1	S/N Plate	

FIGURE 5-27. TRANSMISSION, TRANSFER BOX HOUSING INPUT

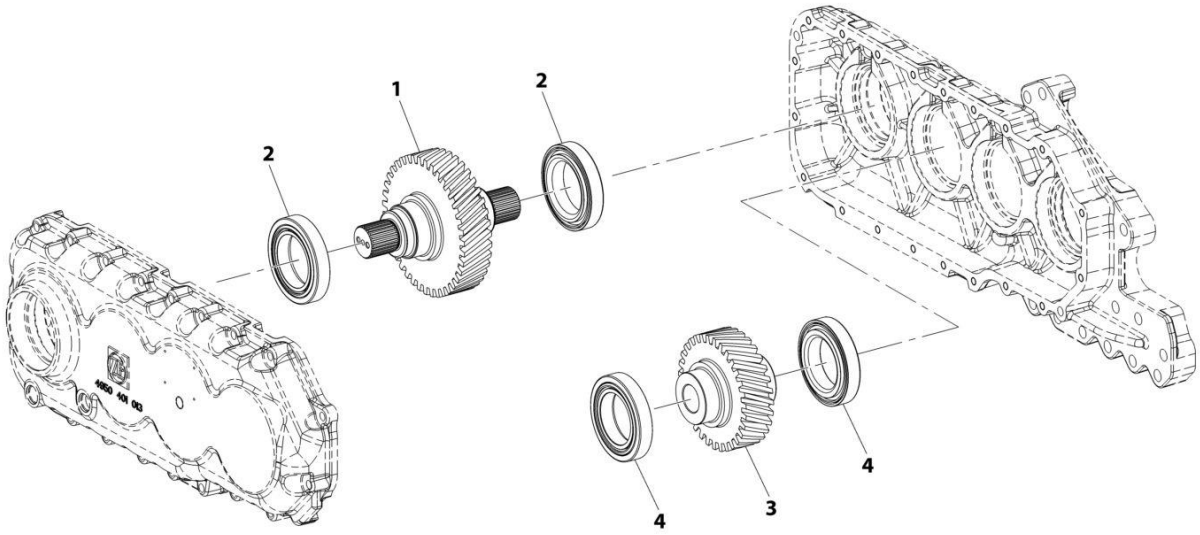


ART_1001260171_24-A

FIGURE 5-27. TRANSMISSION, TRANSFER BOX HOUSING INPUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, TRANSFER BOX INPUT	A
1	7027269	1	Input Gear	
2	7027270	1	Idler Gear	
3	7026769	2	Bearing	
4	7026796	2	Taper Roller Bearing Assembly	

FIGURE 5-28. TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 1

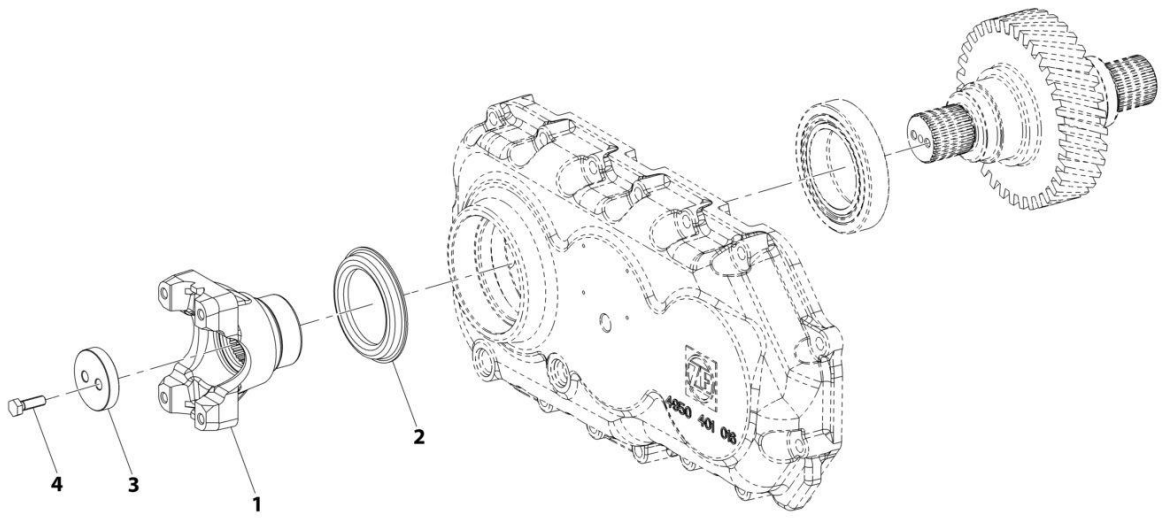


ART_1001260171_25-A

FIGURE 5-28. TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSFER BOX HOUSING OUTPUT 1	A
1	7027271	1	Gear, Output	
2	7026769	2	Roller Bearing	
3	7027272	1	Gear, Idler	
4	1320748	2	Cup, Tapered Roller Bearing	
4	1320754	2	Cone, Tapered Roller Bearing	

FIGURE 5-29. TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 2



ART_1001260171_26-A

FIGURE 5-29. TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260171	Ref	TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 2	A
1	7027273	2	Flange, Output (One Per Side)	
2	1319647	2	Sheet, Screen (One Per Side)	
3	1319648	2	Washer (One Per Side)	
4	10731959	4	Screw (Two Per Side)	

FIGURE 5-30. DRIVE SHAFTS INSTALLATION

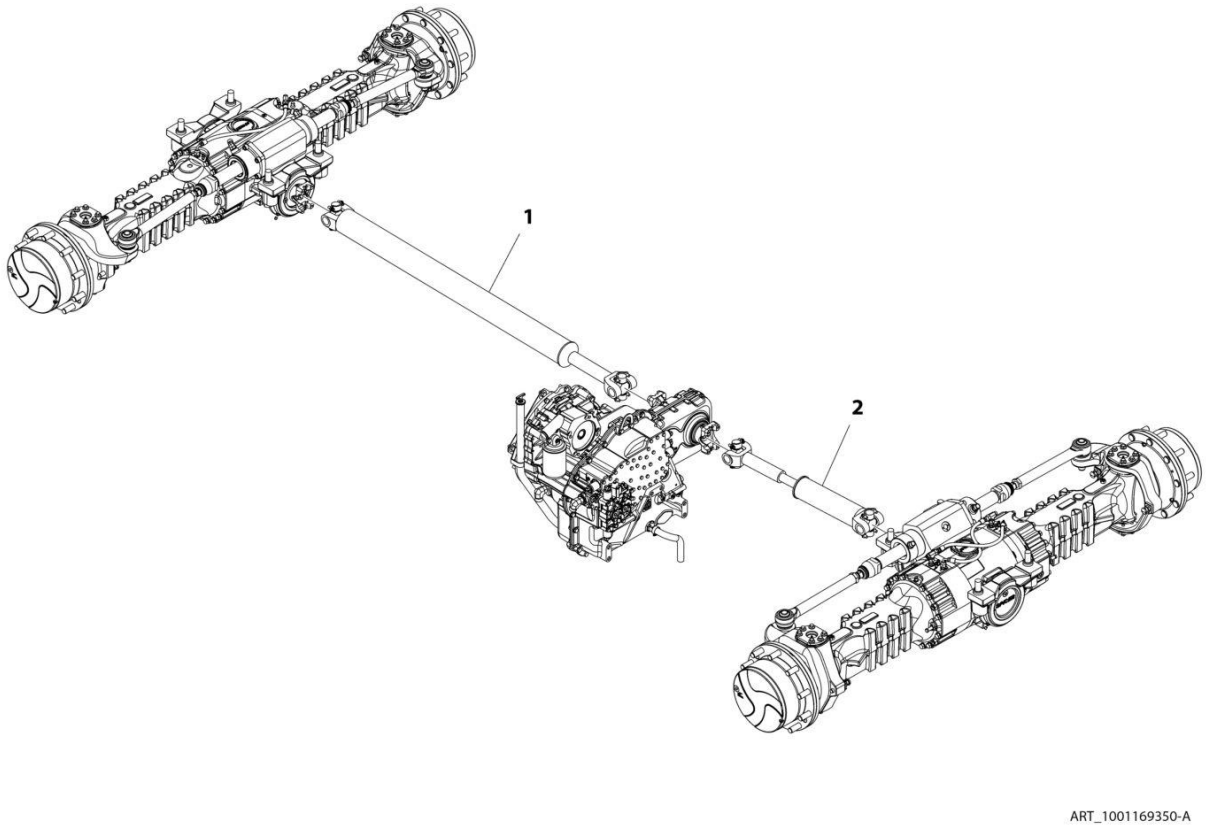


FIGURE 5-30. DRIVE SHAFTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169350	Ref	Drive Shafts Installation	A
1	1001169351	Ref	Installation, Rear Drive Shaft (See Separate Breakdown in this Section)	
2	1001172954	Ref	Installation, Front Drive Shaft (See Separate Breakdown in this Section)	

FIGURE 5-31. FRONT DRIVE SHAFT INSTALLATION

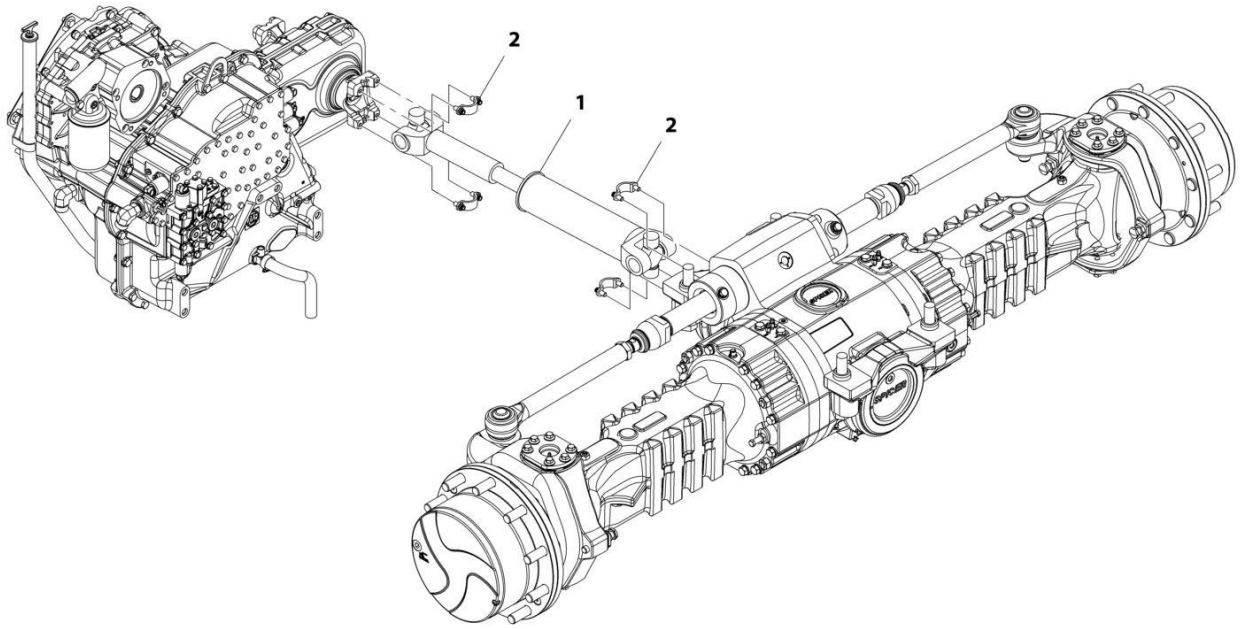


FIGURE 5-31. FRONT DRIVE SHAFT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172954	Ref	Front Drive Shaft Installation	A
1	7150580	1	Drive Shaft, Front (See Separate Breakdown in this Section)	
2	8880218-OM	2	Kit, Strap	

FIGURE 5-32. FRONT DRIVE SHAFT ASSEMBLY

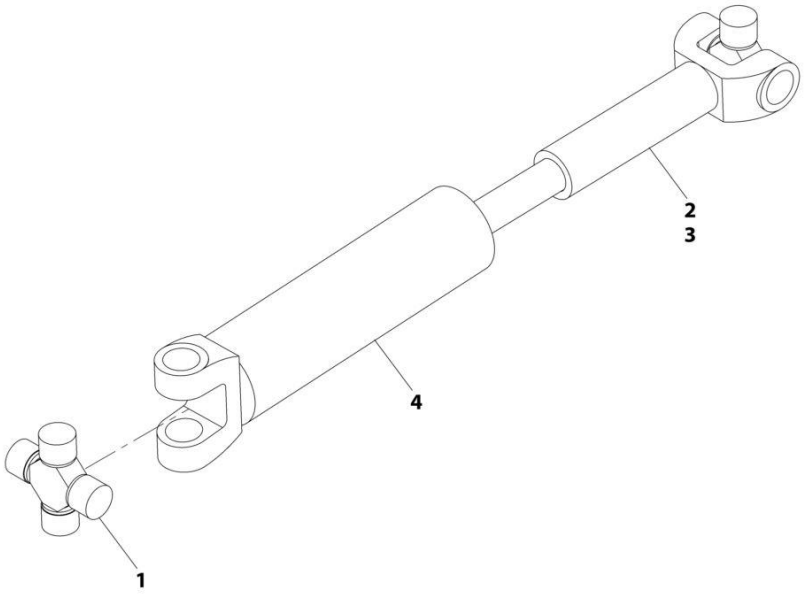


FIGURE 5-32. FRONT DRIVE SHAFT ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7150580	Ref	Front Drive Shaft Assembly	D
1	8036433	4	Kit, Cross and Bearing	
2	8035779	2	Kit, Dust Cap	
3	N.S.S.	1	Joint, Slip	
4	N.S.S.	1	Shaft, Yoke	

FIGURE 5-33. REAR DRIVE SHAFT INSTALLATION

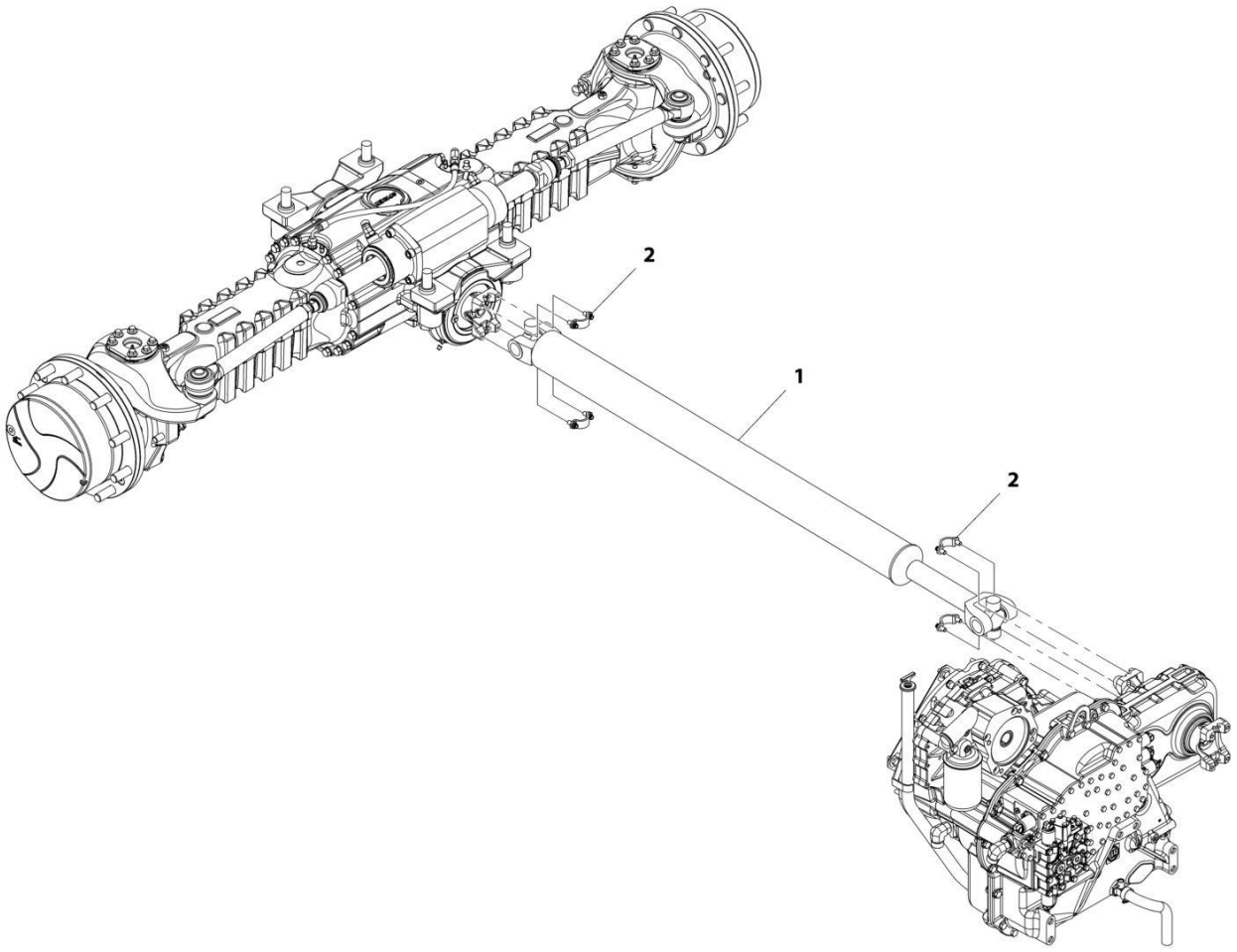


FIGURE 5-33. REAR DRIVE SHAFT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169351	Ref	Rear Drive Shaft Installation	A
1	1001170616	1	Drive Shaft, Rear	
2	8880218-OM	2	Kit, Strap	

FIGURE 5-34. DRIVETRAIN INSTALLATION, 74HP

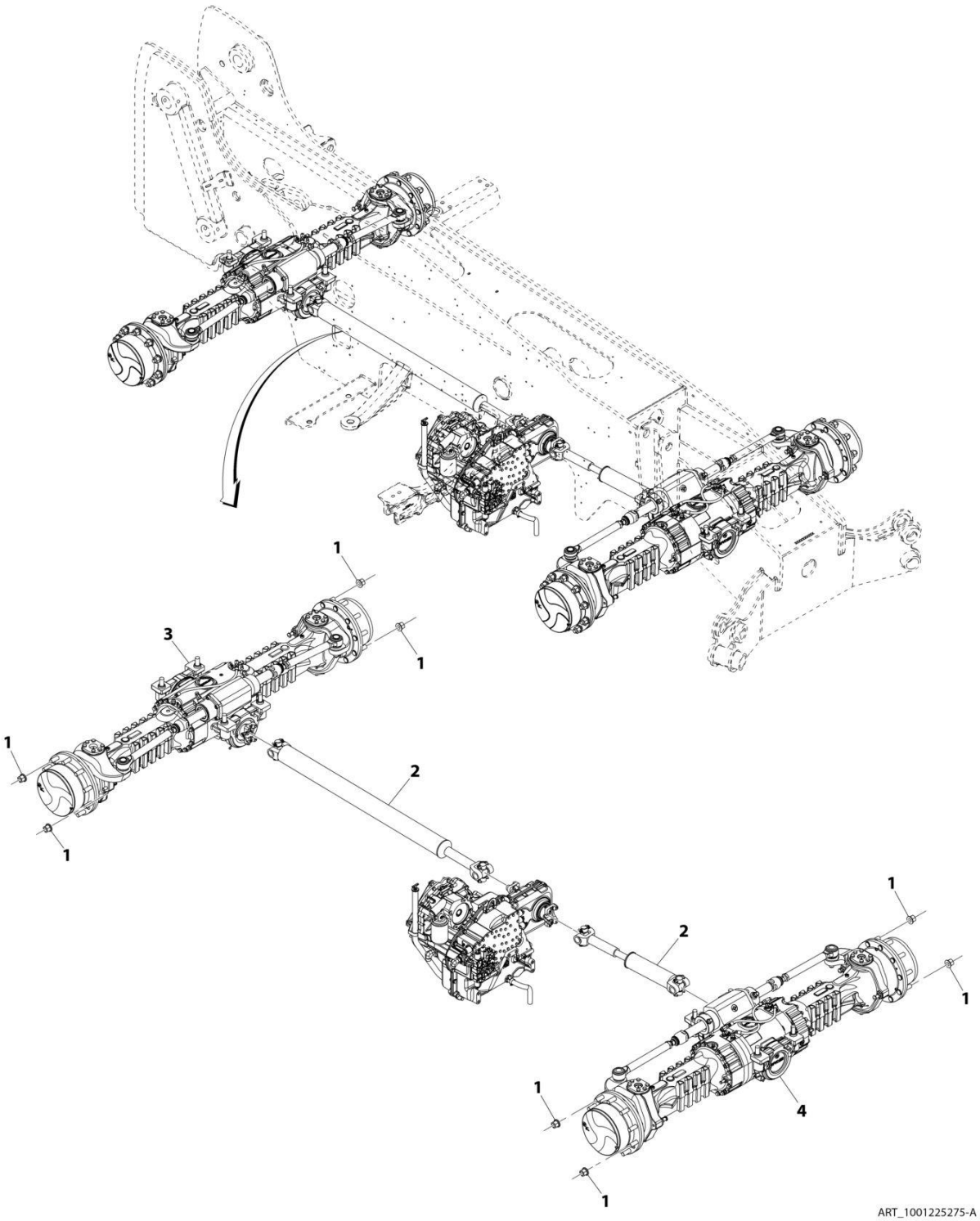


FIGURE 5-34. DRIVETRAIN INSTALLATION, 74HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225275	Ref	Drivetrain Installation, 74HP	A
1	91403193	40	Nut, Lug M22X1.5	
2	1001169350	Ref	Installation, Drive Shafts (See Separate Breakdown in this Section)	
3	1001225272	Ref	Installation, Rear Axle (See Separate Breakdown in this Section)	
4	1001225274	Ref	Installation, Front Axle (See Separate Breakdown in this Section)	

FIGURE 5-35. DRIVETRAIN INSTALLATION, 110HP

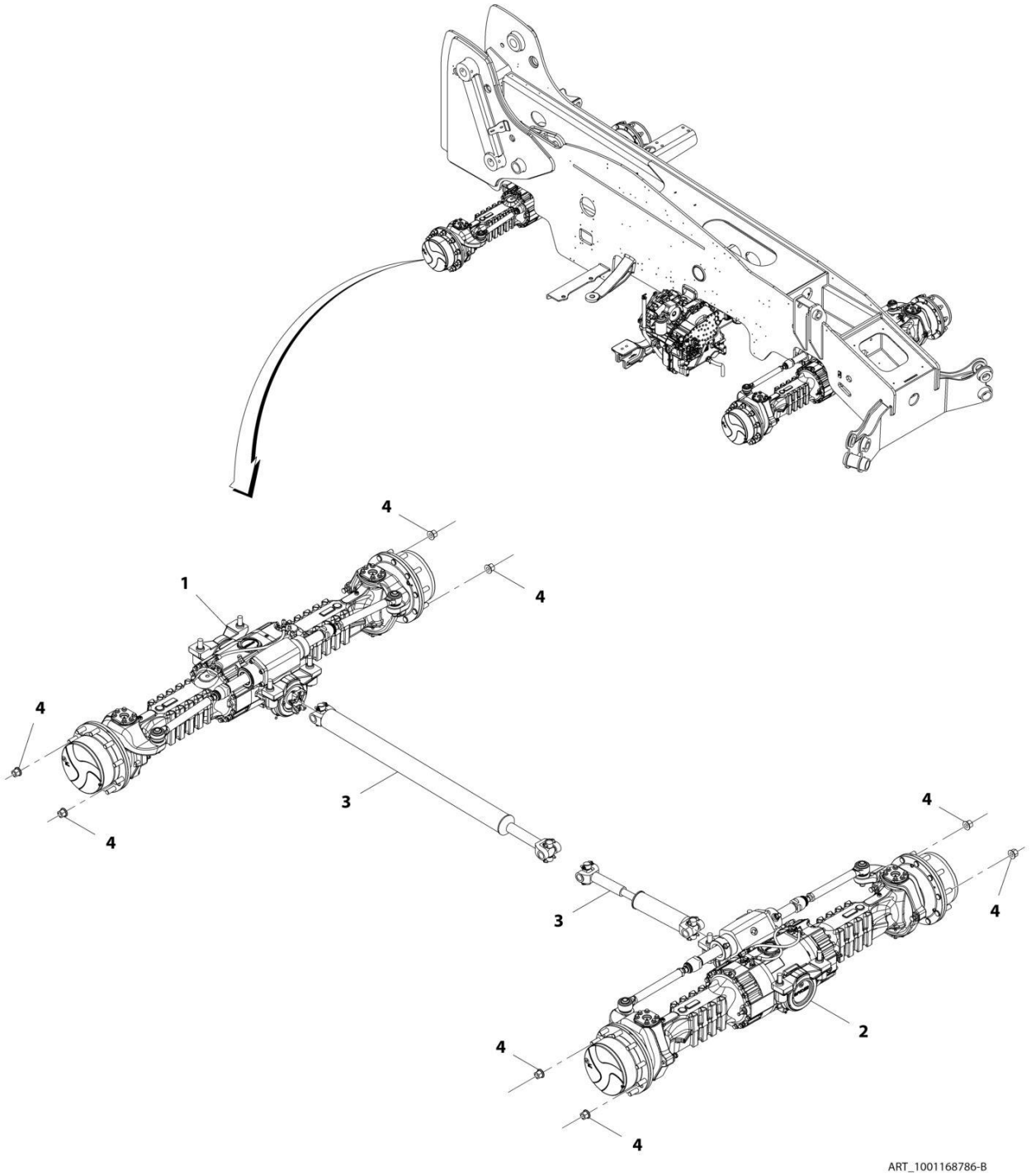
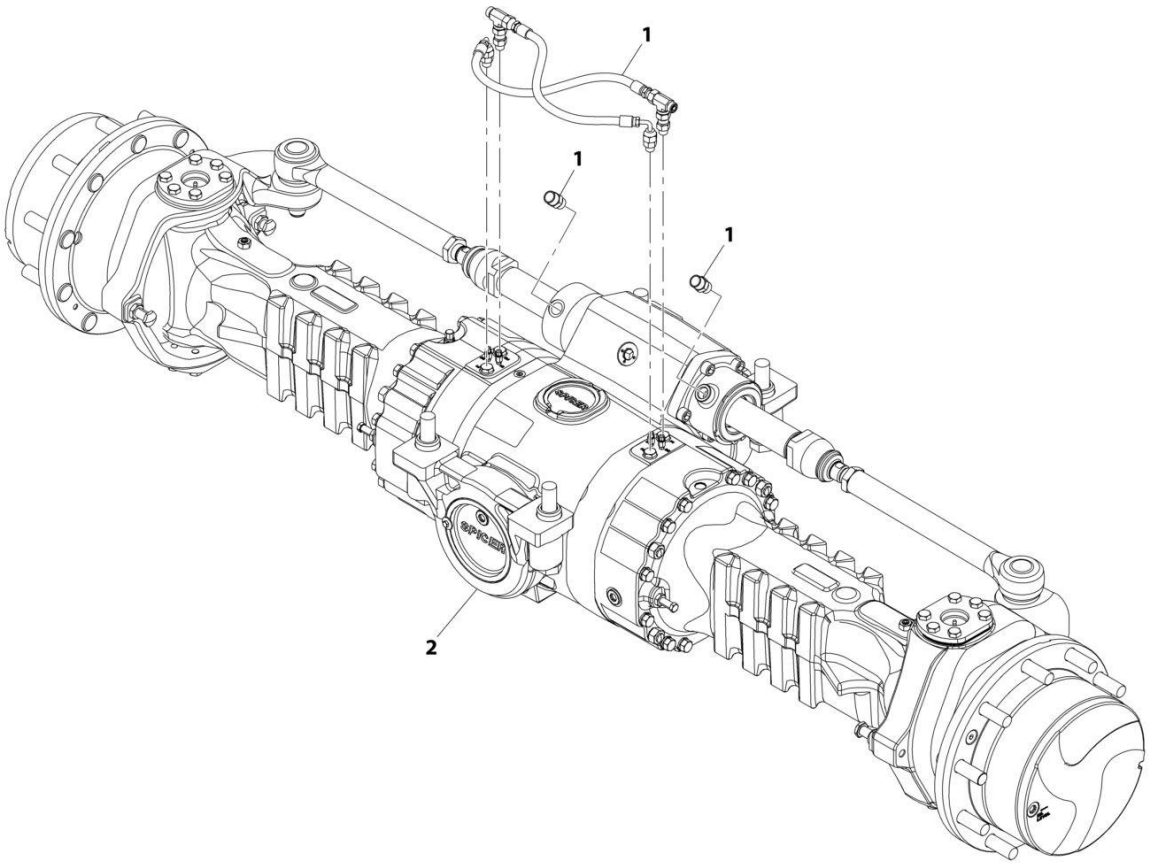


FIGURE 5-35. DRIVETRAIN INSTALLATION, 110HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168786	Ref	Drivetrain Installation	B
1	1001168783	Ref	Installation, Rear Axle (See Separate Breakdown in this Section)	
2	1001168785	Ref	Installation, Front Axle (See Separate Breakdown in this Section)	
3	1001169350	Ref	Installation, Drive Shafts (See Separate Breakdown in this Section)	
4	91403193	40	Nut, Lug M22X1.5	

FIGURE 5-36. FRONT AXLE INSTALLATION, 74HP



ART_1001225274-A

FIGURE 5-36. FRONT AXLE INSTALLATION, 74HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225274	Ref	Front Axle Installation, 74HP	A
1	1001161421	Ref	Installation, Front Axle Lines (See Separate Breakdown in this Section)	
2	1001225273	Ref	Installation, Front Axle Mounting (See Separate Breakdown in this Section)	

FIGURE 5-37. FRONT AXLE INSTALLATION, 110HP

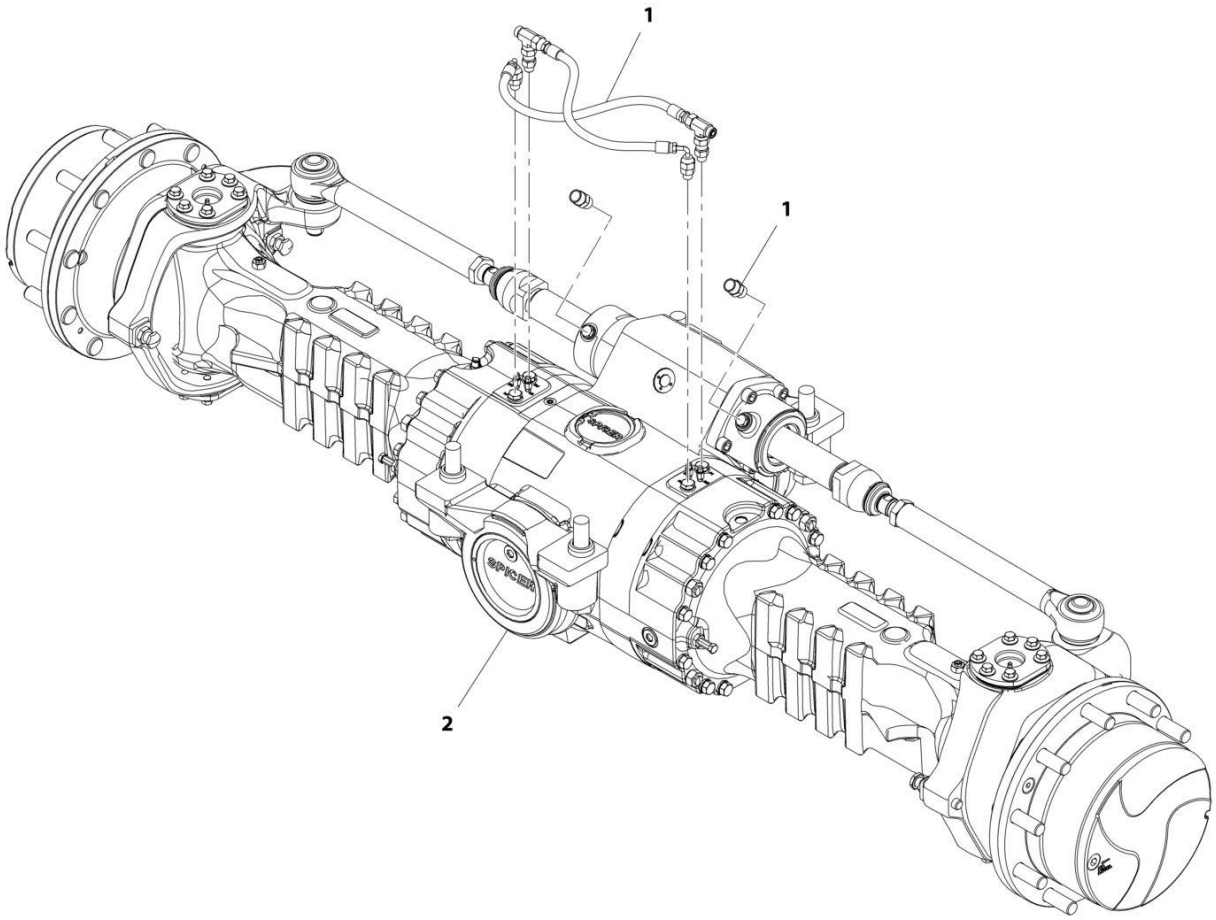


FIGURE 5-37. FRONT AXLE INSTALLATION, 110HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168785	Ref	Front Axle Installation	A
1	1001161421	Ref	Installation, Front Axle Lines (See Separate Breakdown in this Section)	
2	1001168784	Ref	Installation, Front Axle Mounting (See Separate Breakdown in this Section)	

FIGURE 5-38. FRONT AXLE LINES INSTALLATION

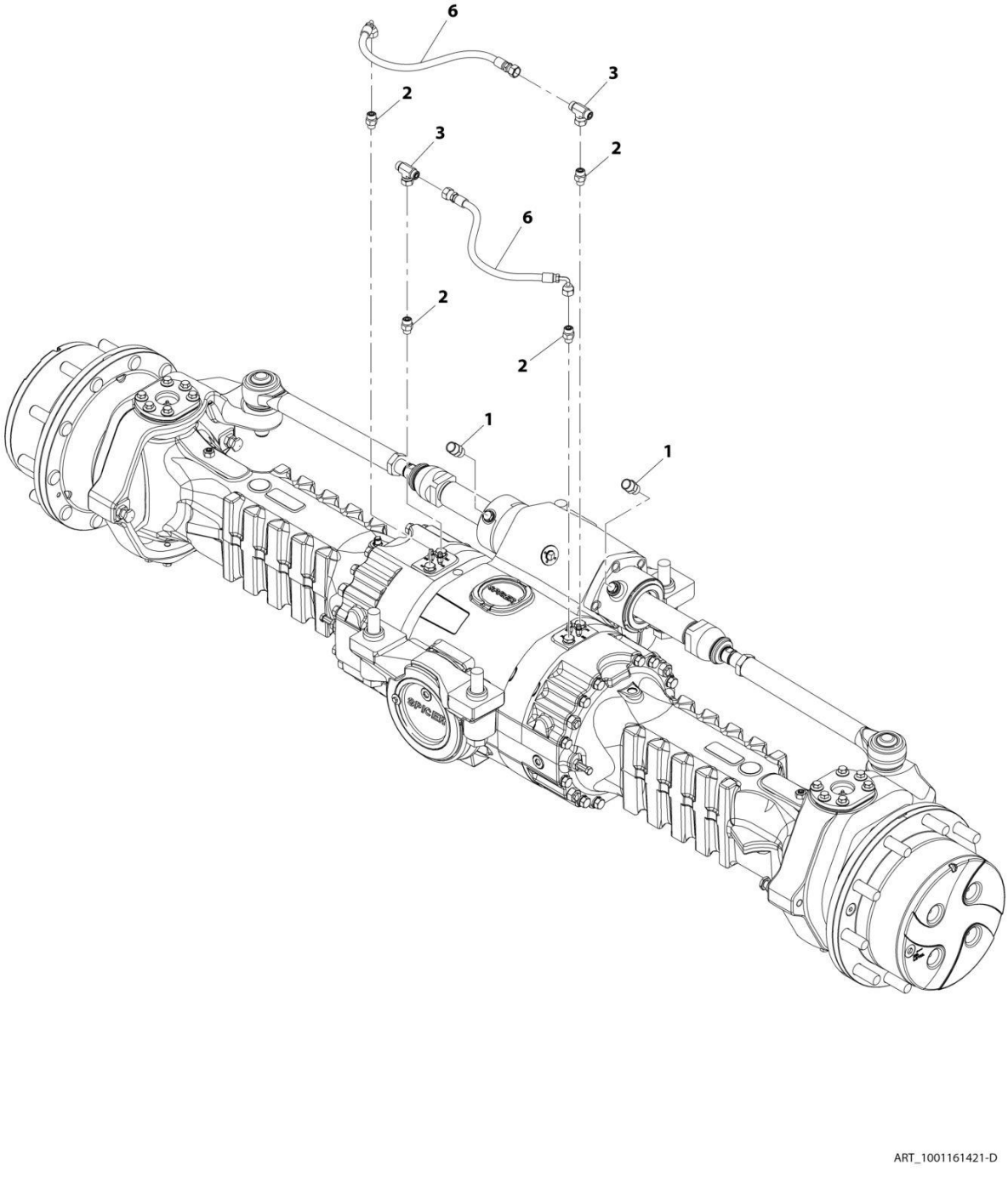


FIGURE 5-38. FRONT AXLE LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161421	Ref	Front Axle Lines Installation	D
1	2110808	2	Fitting, Straight ORFS	
2	2144605	4	Fitting, Straight ORFS	
3	2170806	2	Fitting, Tee ORFS	
6	1001097810	2	Hose	

FIGURE 5-39. FRONT AXLE MOUNTING INSTALLATION, 74HP

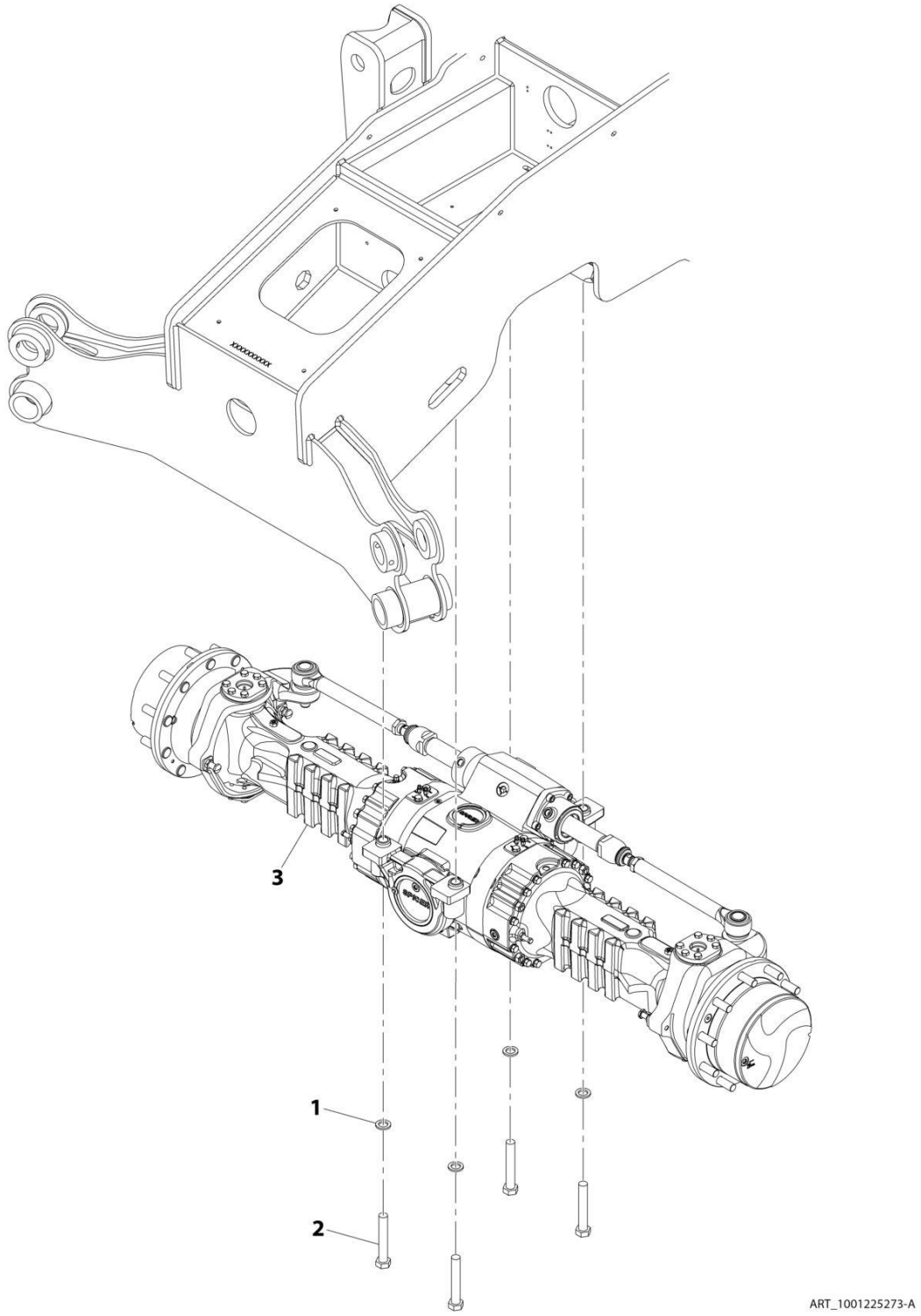


FIGURE 5-39. FRONT AXLE MOUNTING INSTALLATION, 74HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225273	Ref	Front Axle Mounting Installation, 74HP	A
1	4892600	4	Washer	
2	1001097587	4	Bolt, M24-3X150	
3	1005198900	1	Axle, Front 74HP (See Separate Breakdown in this Section)	

FIGURE 5-40. FRONT AXLE MOUNTING INSTALLATION, 110HP

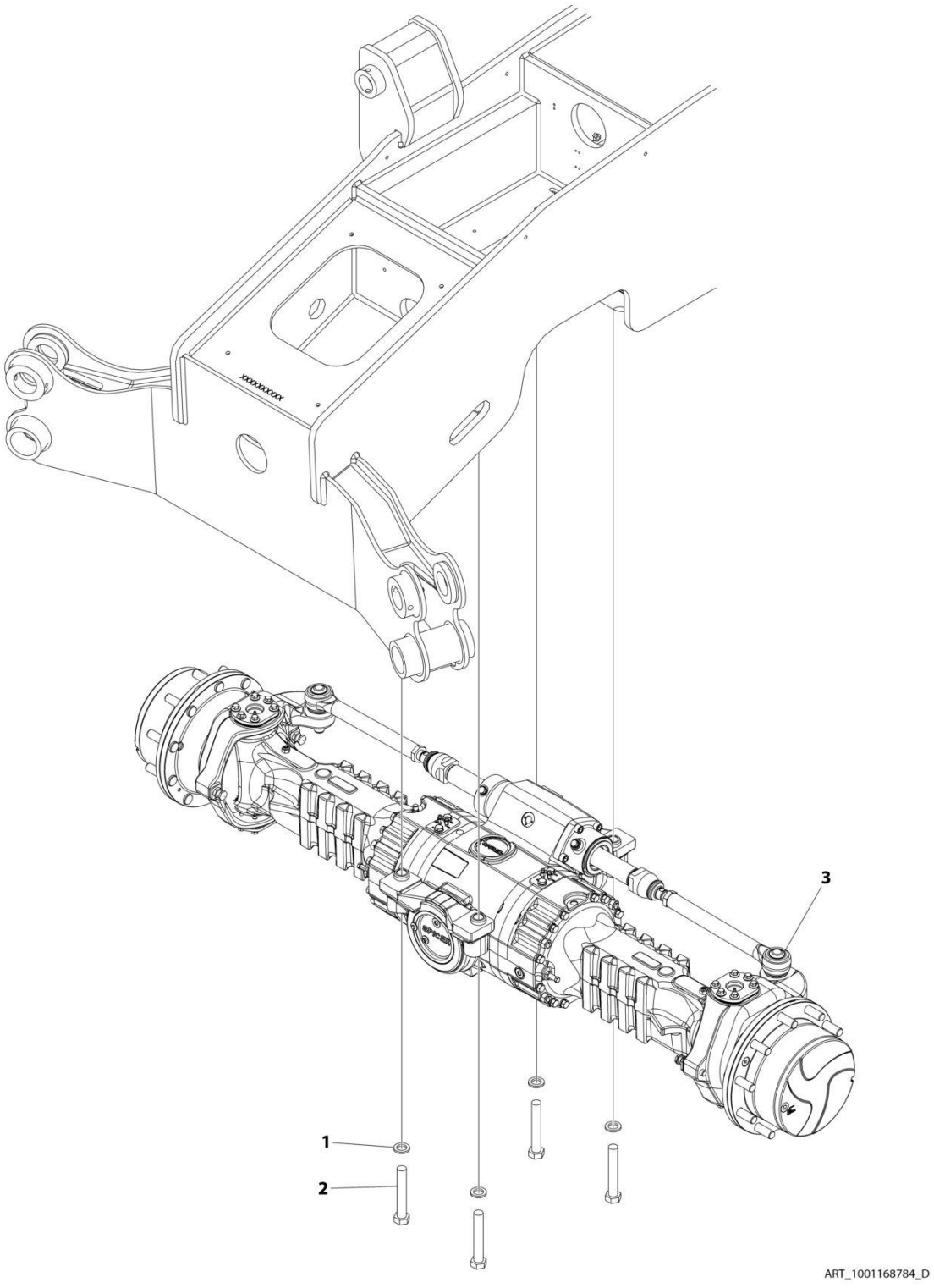
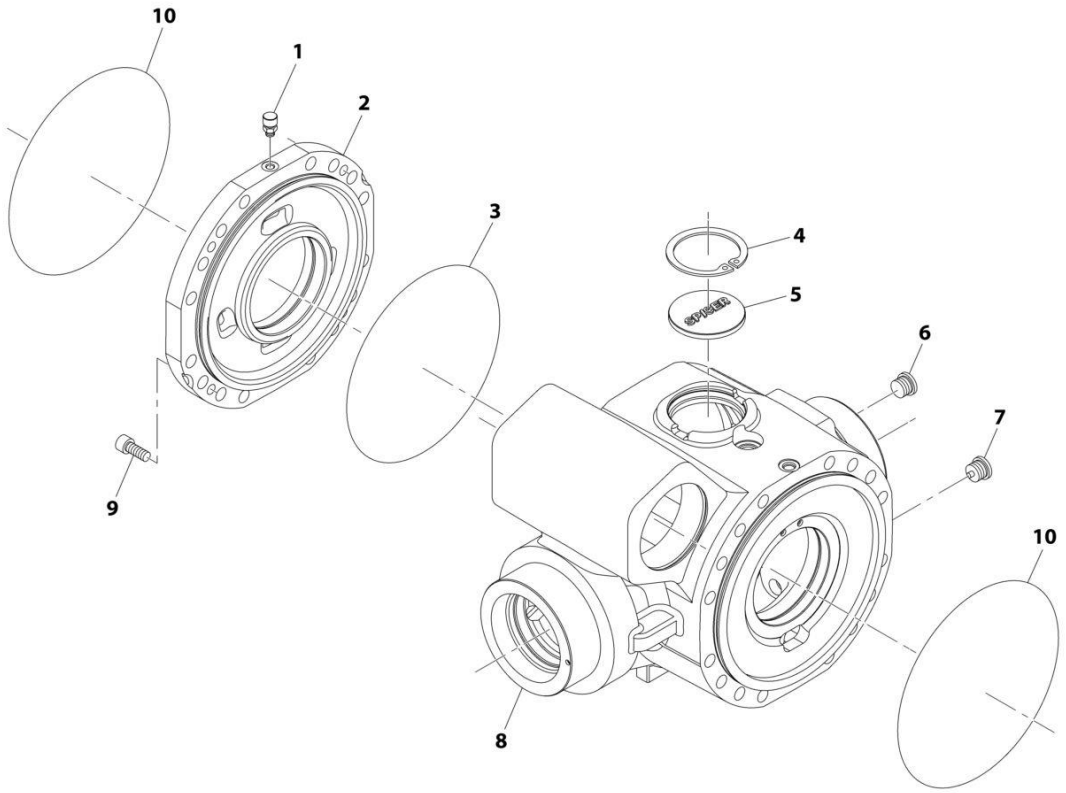
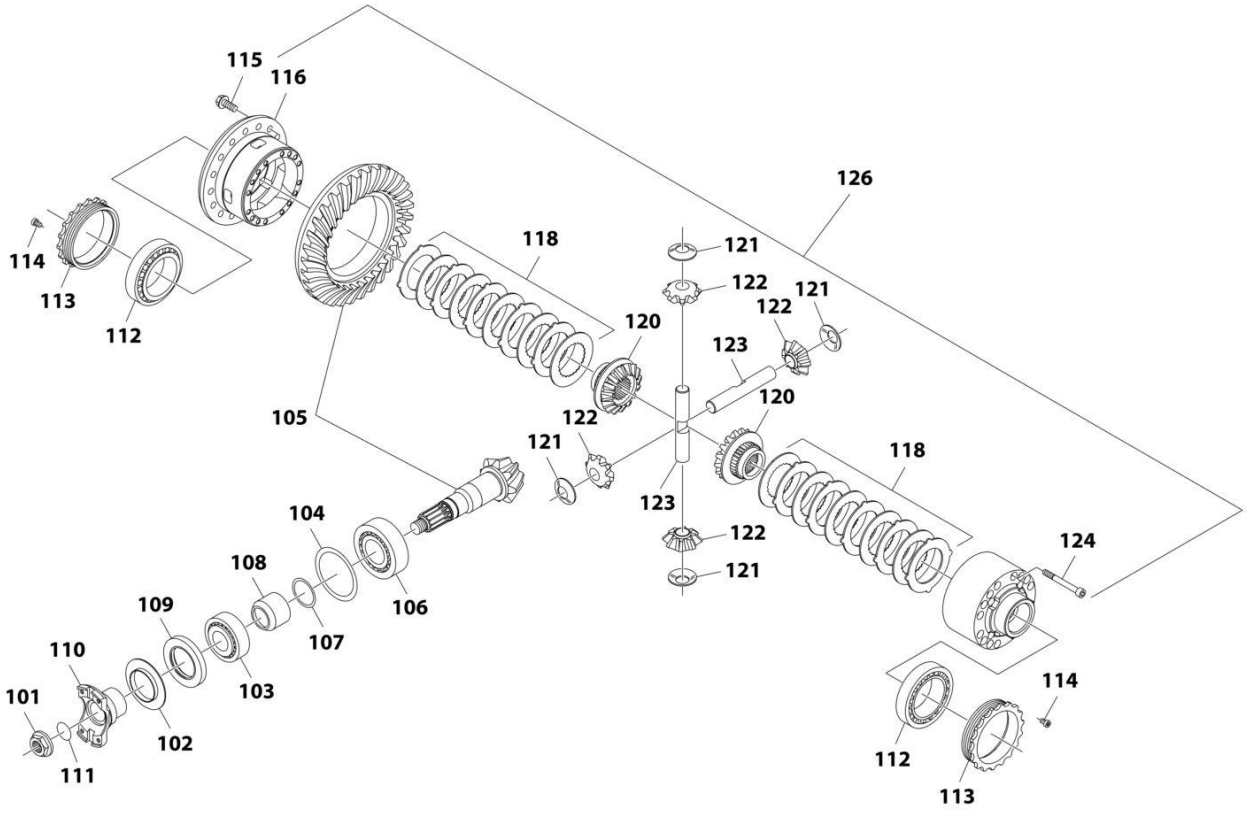


FIGURE 5-40. FRONT AXLE MOUNTING INSTALLATION, 110HP

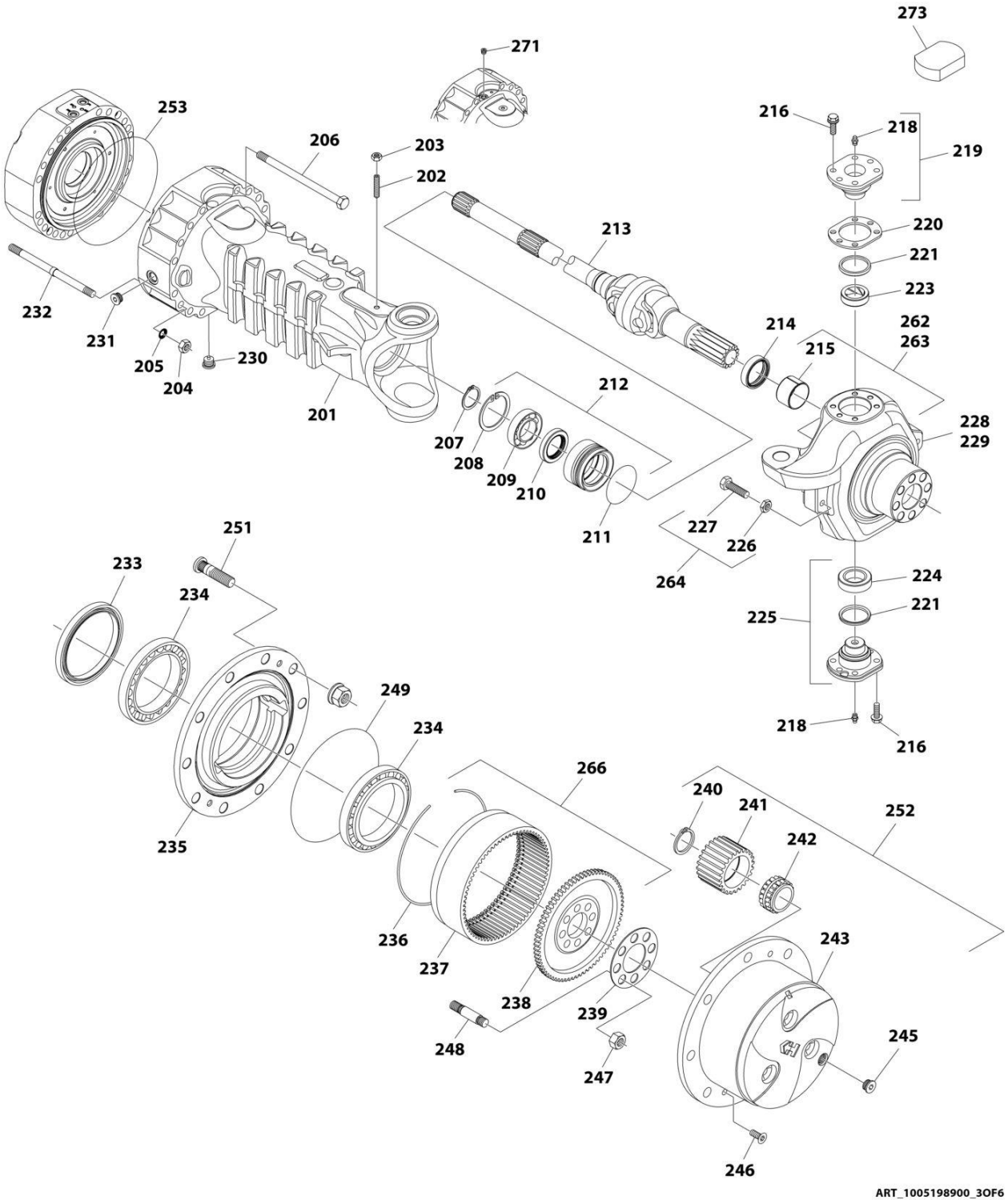
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168784	Ref	Front Axle Mounting Installation	D
1	4892600	4	Washer	
2	1001097587	4	Bolt, M24-3X150	
3	1001165831	1	Axle, Front (See Separate Breakdown in this Section)	

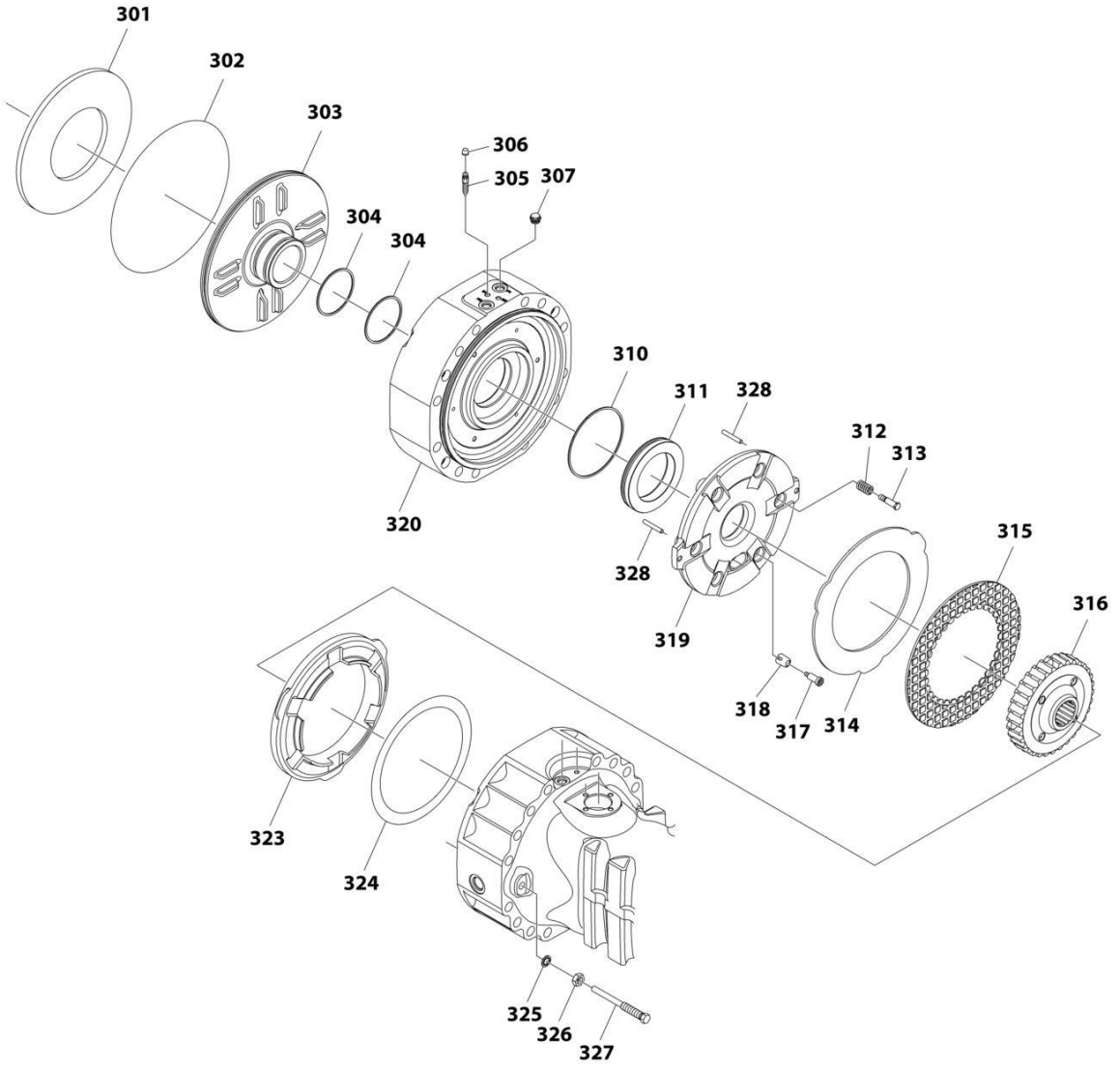
FIGURE 5-41. FRONT AXLE, 74HP



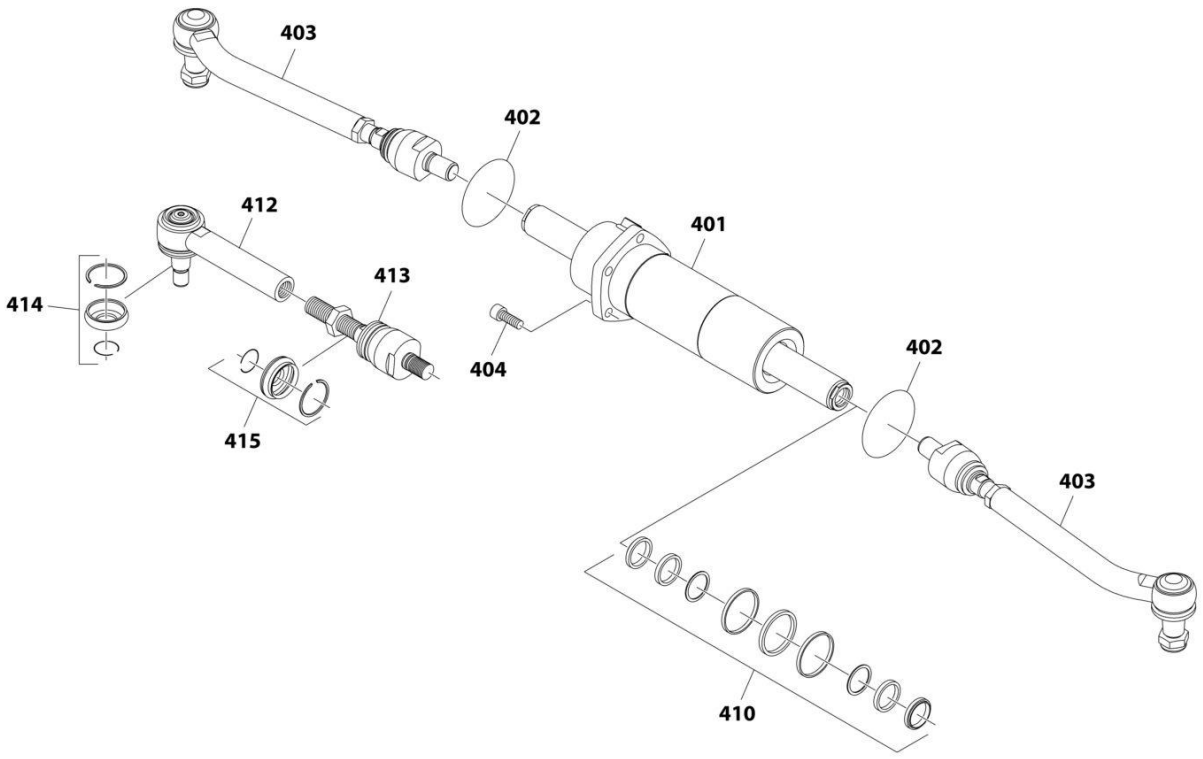


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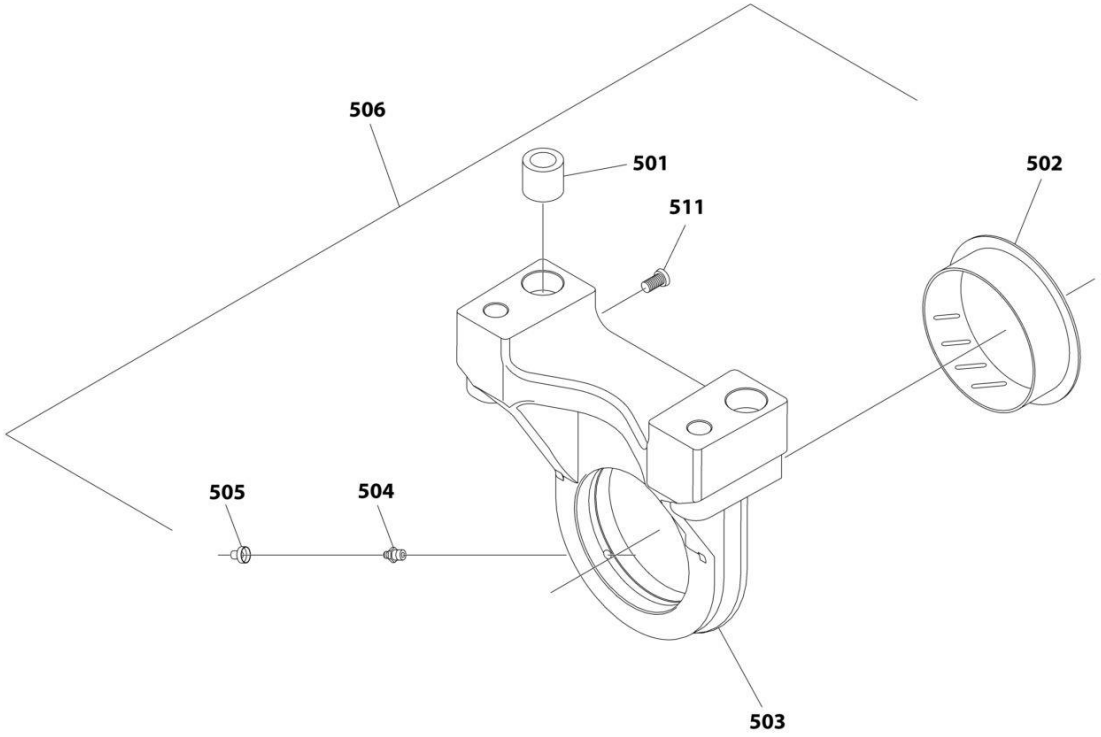

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ART_1005198900_3OF6



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FIGURE 5-41. FRONT AXLE, 74HP

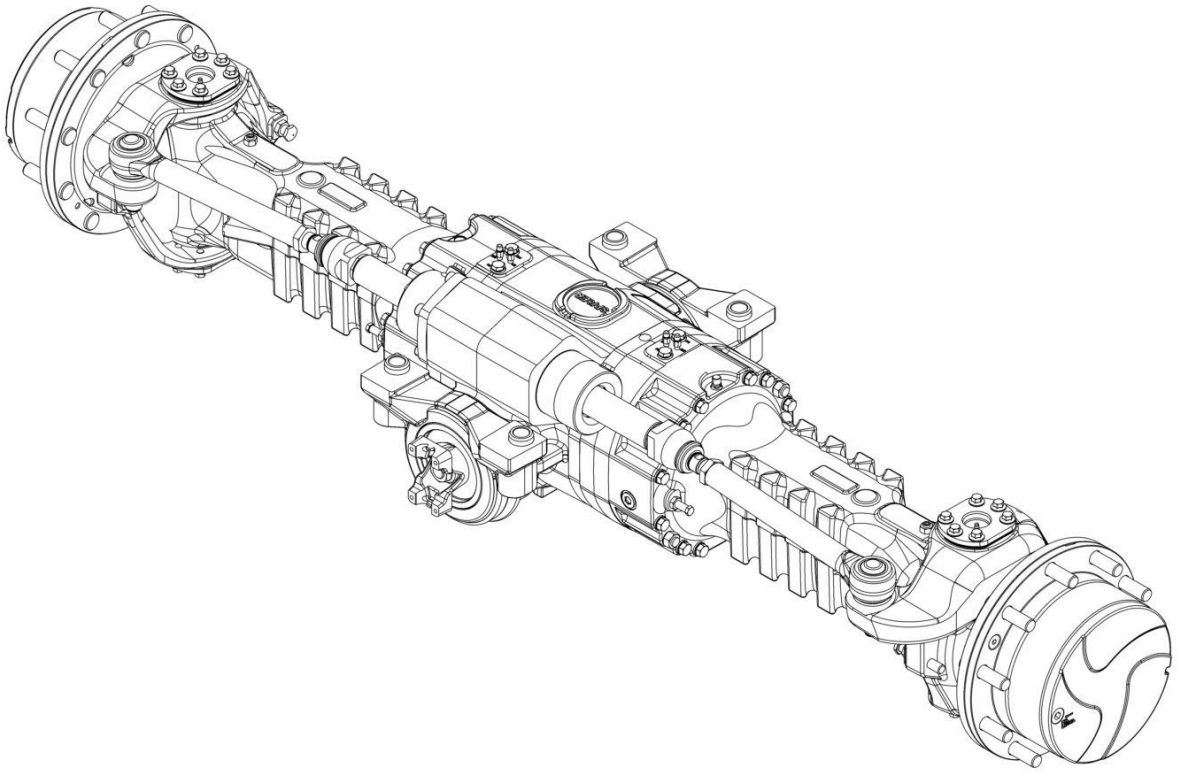
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1005198900	Ref	FRONT AXLE ASSEMBLY	C
		Ref	CENTRAL HOUSING ASSEMBLY	
1	70028464	1	Vent	
2	7029288	1	Cover, Intermediate	
3	80204002	1	O-Ring	
4	80204005	1	Circlip	
5	91514098	1	Plug	
6	70028389	1	Plug	
7	70028388	1	Plug	
8	70025335	1	Housing	
9	91514101	4	Bolt	
10	91514089	2	O-Ring	
		Ref	DIFFERENTIAL ASSEMBLY	
101	80204043	1	Nut	
102	91514130	1	Plate, Cover	
103	70030024	1	Bearing, Taper Roller	
104	70023469	1	Shim	
105	70028391	1	Bevel Gear Set	
106	80204035	1	Bearing, Taper Roller	
107	70023494	1	Spacer	
108	70022140	1	Spacer	
109	70025887	1	Seal	
110	91514131	1	Flange	
111	10725554	1	O-Ring	
112	80204033	2	Bearing, Taper Roller	
113	91514133	2	Nut, Ring	
114	91514134	2	Bolt	
115	70025562	16	Bolt	
116	70024004	1	Carrier, Differential	
118	70026750	2	Kit, Clutch	
120	70025856	2	Gear, Differential Side	
121	70027105	4	Washer	
122	70025339	4	Pinion, Differential	
123	70023490	2	Shaft, Differential	
124	91514143	15	Bolt	
126	70028390	1	Kit, Differential (Includes Items 116-124)	
		Ref	HUB REDUCTION ASSEMBLY	
201	70024850	2	Case, Axle	
202	91514081	2	Bolt	
203	91514082	2	Nut	
204	91514083	8	Nut	
205	91514084	8	Washer	
206	7029309	24	Bolt	
207	80204071	2	Circlip	
208	80204005	2	Circlip	
209	91514146	2	Bearing, Ball	
210	91514147	2	Seal	
211	91514148	2	O-Ring	
212	91514149	2	Reduction Bushing (Includes Items 208-211)	
213	70025855	2	Joint, Double Universal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
214	70026238	2	Seal	
215	91514111	2	Bushing, Thrust	
216	70025562	24	Bolt	
218	70024881	4	Fitting, Grease	
219	91514112	2	Pin, Pivot (Includes Item 218)	
220	70025561	1	Kit, Shim	
221	7028716	4	Seal, Dust	
223	7028714	2	Bushing	
224	91514095	2	Bearing	
225	7028715	2	Pin, Pivot (Includes Items 221 & 224)	
226	80204065	4	Nut	
227	91514117	4	Bolt	
228	N.S.S.	1	Case, Steering	
229	N.S.S.	1	Case, Steering	
230	70028388	2	Plug	
231	70028389	2	Plug	
232	70024851	8	Stud	
233	70026002	2	Seal	
234	80204076	4	Bearing, Taper Roller	
235	91514174	2	Hub, Wheel	
236	91514175	2	Circlip	
237	70024147	2	Gear, Ring	
238	91514177	2	Gear, Ring Support	
239	91514178	2	Plate, Locking	
240	91514184	3	Ring, Snap	
241	91514185	6	Gear, Planet	
242	91514186	6	Bearing	
243	7026731	1	Carrier, Planet Gear	
245	70028387	2	Plug	
246	91514189	4	Bolt, Countersunk	
247	91514179	16	Nut	
248	91514180	16	Stud	
249	91514181	2	O-Ring	
251	91514183	20	Stud, Wheel	
252	7029733	2	Carrier, Planet Gear (includes items 240-243)	
253	91514089	2	O-RING	
262	70026239	1	Case, Steering (includes items 215 & 228)	
263	70030026	1	Case, Steering (includes items 215 & 229)	
264	7028733	4	Bolt, Steering Adjust	
266	70024146	2	Kit, Ring Gear Support (includes items 236-238)	
271	80204012	2	Plug	
273	70028392	2	Cover	
		Ref	BRAKE ASSEMBLY	
301	91514151	2	Washer	
302	91514089	2	O-Ring	
303	70027092	2	Piston	
304	70026262	4	Seal	
305	80204281	4	Bolt	
306	80204117	4	Plug	
307	91514154	4	Bolt	
310	70026263	2	Seal	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
311	70027796	2	Piston	
312	91514159	6	Spring	
313	70024210	6	Bolt, Adjusting	
314	70027022	6	Disc, Intermediate Brake	
315	7029735	6	Disk, Brake	
316	7029734	2	Bushing, Reduction	
317	7029787	6	Bolt, Adjusting	
318	70027317	6	Spring	
319	70024849	2	Disc, Intermediate Brake	
320	70024848	2	Cover	
323	70026264	2	Spacer	
324	70025970	1	Shim	
325	80204108	4	Washer, Lock	
326	80204060	4	Nut	
327	70024213	4	Bolt	
328	70024215	4	Dowel	
		Ref	STEERING ASSEMBLY	
401	7026490	1	Cylinder	
402	80204143	2	O-Ring	
403	70026753	2	Rod, Articulated Tie	
403	70022773	2	Nut	
404	80204144	5	Bolt	
410	7029127	1	Kit, Seal	
412	70028465	1	Joint, 90	
413	70028466	1	Axial Joint Shaft	
414	70028467	1	Rubber Boot and Locking Ring Kit	
415	70028468	1	Rubber Boot and Locking Ring Kit	
		Ref	TRUNION ASSEMBLY	
501	7029290	4	Bushing	
502	91514090	2	Bushing, Thrust	
503	N.S.S.	2	Support	
504	70024881	2	Fitting, Grease	
505	80204117	2	Plug	
506	70026266	2	Support Assembly (includes items 501-505)	
511	70025884	2	Bolt	

FIGURE 5-42. FRONT AXLE, 110HP



ART_1001165831_I

FIGURE 5-42. FRONT AXLE, 110HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	Front Axle	I
		Ref	Front Axle, Brakes (See Separate Breakdown in this Section)	
		Ref	Front Axle, Central Housing (See Separate Breakdown in this Section)	
		Ref	Front Axle, Differential (See Separate Breakdown in this Section)	
		Ref	Front Axle, Hub Reduction (See Separate Breakdown in this Section)	
		Ref	Front Axle, Steering (See Separate Breakdown in this Section)	
		Ref	Front Axle, Trunion (See Separate Breakdown in this Section)	
		Ref	Front Axle, Differential Kit (See Separate Breakdown in this Section)	
		Ref	Front Axle, Planet Gear Carrier (See Separate Breakdown in this Section)	
		Ref	Front Axle, Ring Gear Support (See Separate Breakdown in this Section)	
		Ref	Front Axle, Planet Gear Carrier (See Separate Breakdown in this Section)	
		Ref	Front Axle, Support (See Separate Breakdown in this Section)	

FIGURE 5-43. FRONT AXLE, 110HP - BRAKES

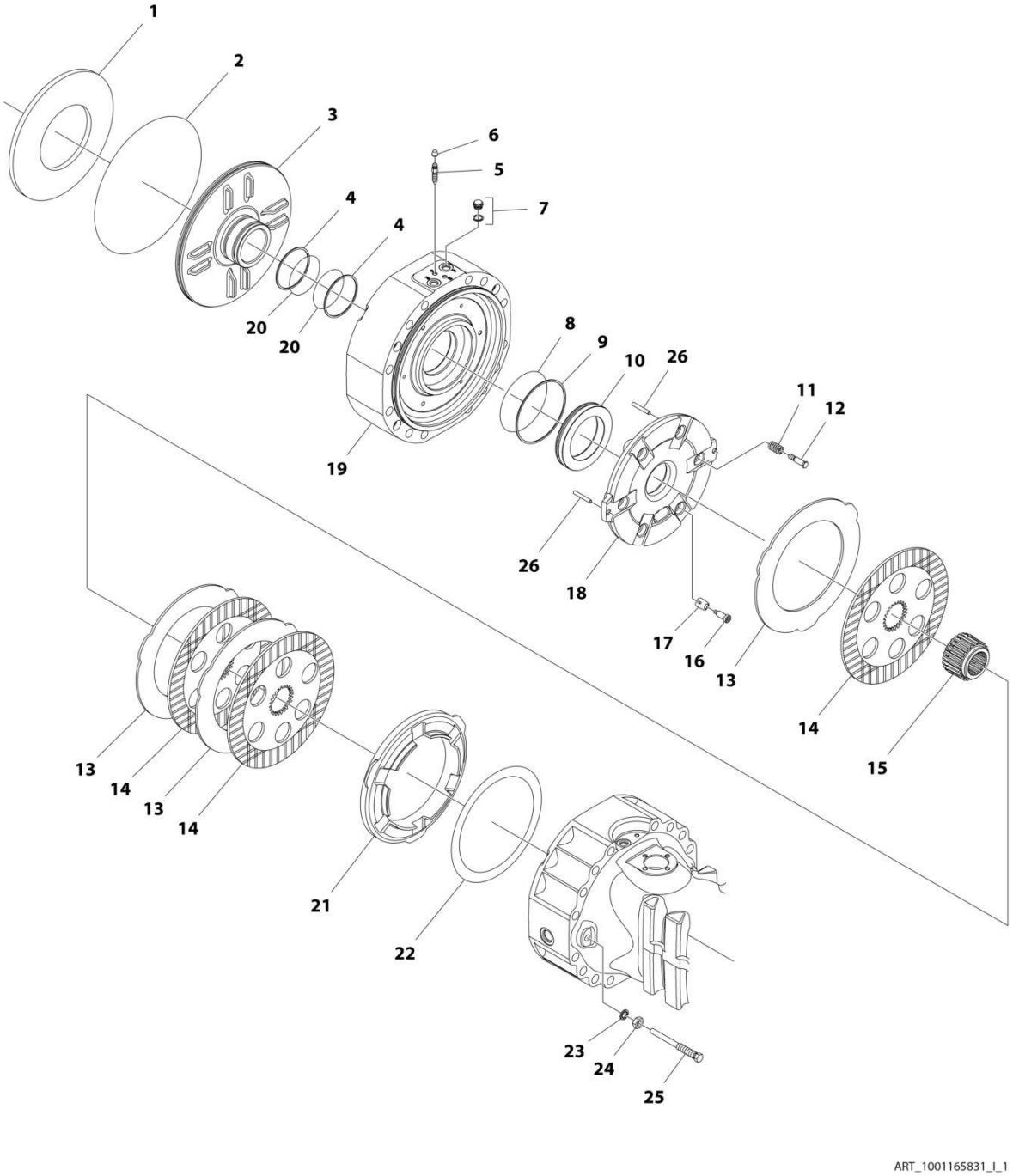


FIGURE 5-43. FRONT AXLE, 110HP - BRAKES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, BRAKES	I
1	91514151	2	Washer	
2	91514089	2	O-Ring	
3	91514152	2	Piston	
4	91514153	4	Ring, Backup	
5	80204281	4	Bolt	
6	80204117	4	Plug	
7	91514154	4	Plug	
8	91514156	2	O-Ring	
9	91514157	2	Ring, Backup	
10	91514158	1	Piston	
11	91514159	6	Spring	
12	70024210	6	Adjusting	
13	91514161	6	Disc, Intermediate Brake	
14	7029735	6	Disc, Brake	
15	7029734	2	Bushing, Reduction	
16	7029789	6	Bolt	
17	91514165	6	Spring	
18	70024849	2	Disc, Intermediate Brake	
19	70024848	2	Cover	
20	91514167	4	O-Ring	
21	7029298	2	Spacer	
22	70025970	1	Shim	
23	80204108	4	Washer, Lock	
24	80204060	4	Nut	
25	70024213	4	Bolt, M12X122.5	
26	70024215	4	Dowel	

FIGURE 5-44. FRONT AXLE, 110HP - CENTRAL HOUSING

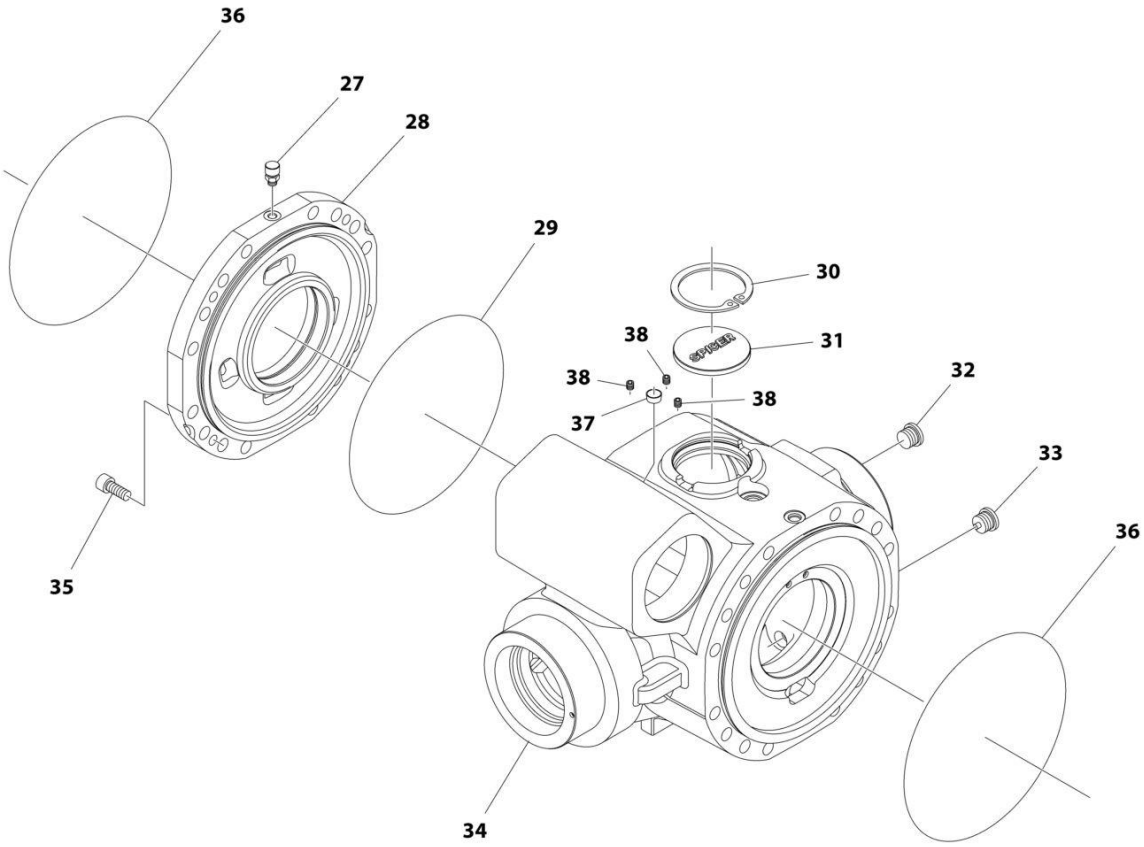


FIGURE 5-44. FRONT AXLE, 110HP - CENTRAL HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, CENTRAL HOUSING	I
27	91474512	1	Vent	
28	7029288	1	Cover, Intermediate	
29	80204002	1	O-Ring	
30	80204005	1	Circlip	
31	91514098	1	Plug	
32	91514087	1	Plug	
33	70021177	1	Plug	
34	70025335	1	Housing	
35	91514101	4	Bolt	
36	91514089	2	O-Ring	
37	7029307	1	Plug	
38	8008175	3	Bolt	

FIGURE 5-45. FRONT AXLE, 110HP - DIFFERENTIAL

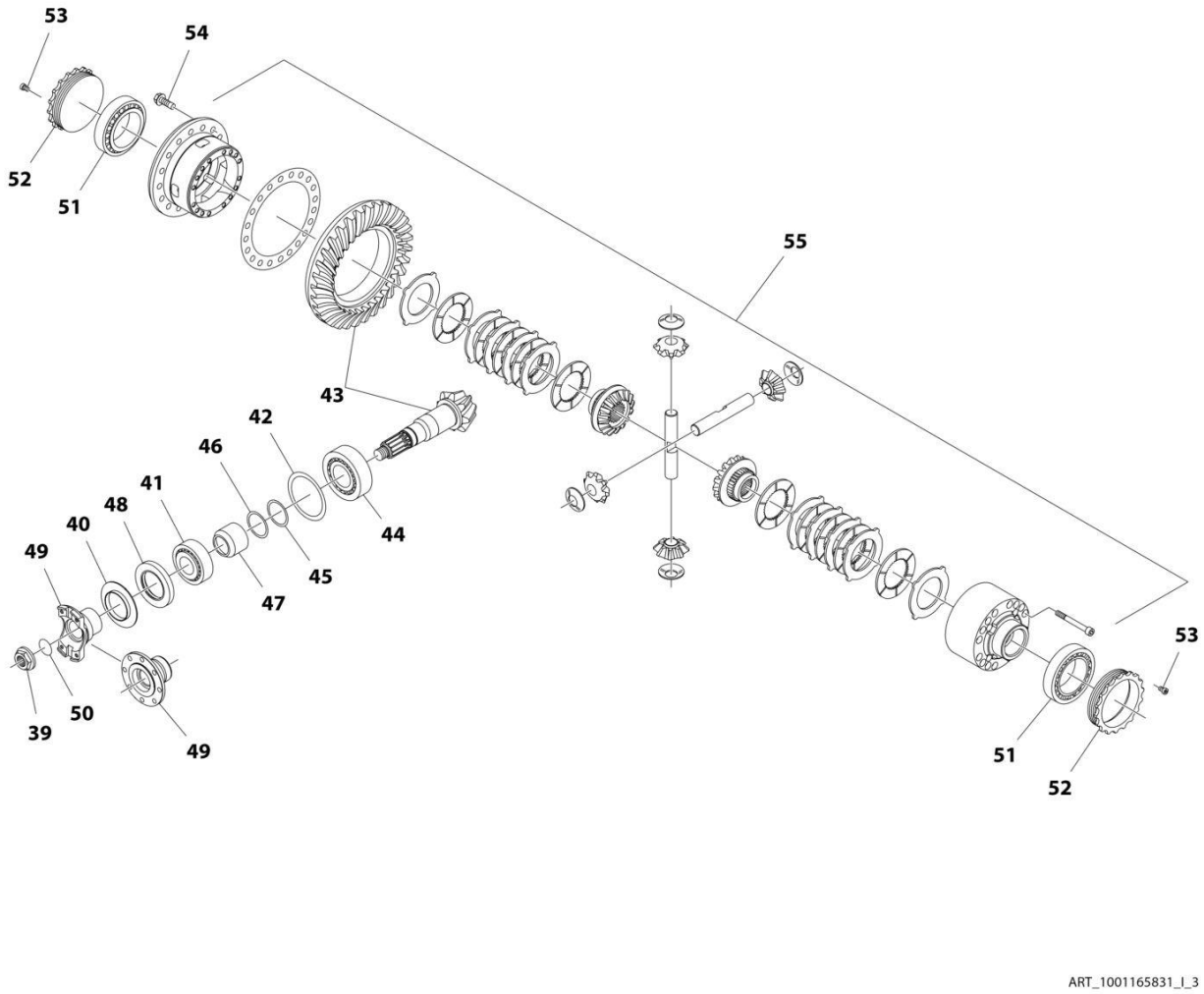


FIGURE 5-45. FRONT AXLE, 110HP - DIFFERENTIAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, DIFFERENTIAL	I
39	80204043	1	Nut	
40	91514130	1	Plate, Cover	
41	80204048	1	Bearing, Tape Roller	
42	70023469	1	Shim	
43	70026633	1	Gear, Bevel Set	
44	80204035	1	Bearing, Tape Roller	
45	70026438	1	Kit, Shim	
46	70026439	1	Kit, Shim	
47	70022140	1	Spacer	
48	70025887	1	Seal	
49	91514131	1	Flange	
50	10725554	1	O-Ring	
51	80204033	2	Bearing, Tape Roller	
52	91514133	2	Nut, Ring	
53	91514134	2	Bolt	
54	91514123	16	Bolt	
55	70024005	1	Kit, Differential (See Separate Breakdown in this Section)	

FIGURE 5-46. FRONT AXLE, 110HP - HUB REDUCTION

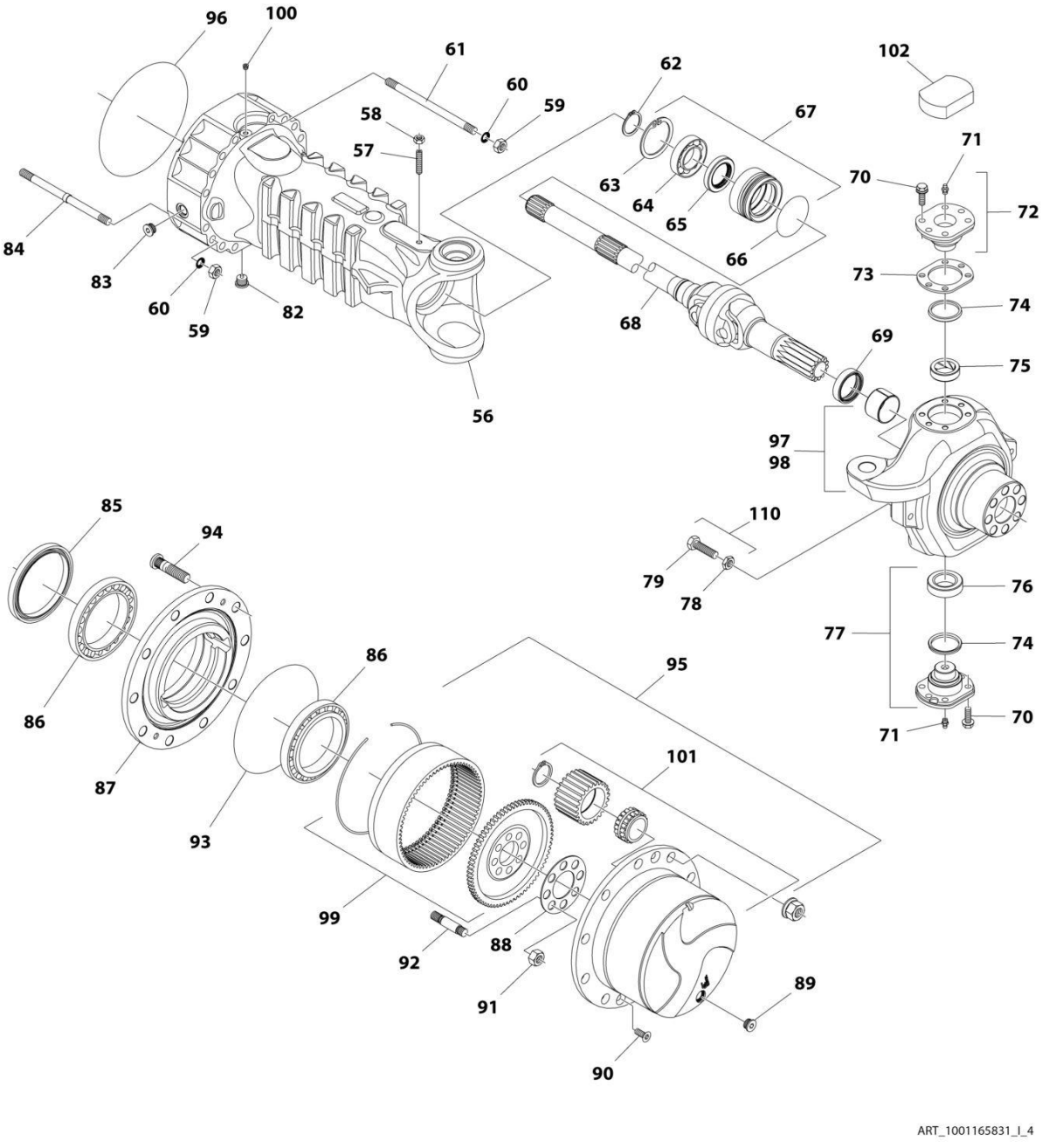


FIGURE 5-46. FRONT AXLE, 110HP - HUB REDUCTION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, HUB REDUCTION	I
57	91514081	2	Bolt	
58	91514082	2	Nut	
59	91514083	8	Nut	
56	70024850	2	Case, Axle	
60	91514084	8	Washer	
61	7029309	24	Bolt	
62	80204071	2	Circlip	
63	80204005	2	Circlip	
64	91514146	2	Ball Bearing	
65	91514147	2	Seal	
66	91514148	2	O-Ring	
67	91514149	2	Bushing, Reduction	
68	70025855	2	Joint, Double Universal	
69	70026238	2	Seal	
70	91514123	24	Bolt	
71	91514099	4	Fitting, Grease	
72	91514112	2	Pin, Pivot	
73	70025561	1	Kit, Shim	
74	7028716	4	Seal, Dust	
75	7028714	2	Bushing	
76	91514095	2	Bearing	
77	7028715	2	Pin, Pivot	
78	80204065	4	Nut	
79	91514117	4	Bolt	
82	70021177	2	Plug	
83	91514087	2	Plug	
84	70024851	8	Stud	
85	7029300	2	Seal	
86	80204076	4	Bearing, Taper Roller	
87	91514174	2	Hub, Wheel	
88	91514178	1	Plate, Locking	
89	91514188	2	Plug	
90	91514189	4	Bolt	
91	91514179	16	Nut	
92	91514180	16	Stud	
93	91514181	2	O-Ring	
94	91514183	20	Stud	
95	70025972	2	Kit, Planet Gear Carrier (See Separate Breakdown in this Section)	
96	91514089	2	O-Ring	
97	70026239	1	Case, Steering	
98	70026240	NLA	Case, Steering (No Longer Available, Use Item 70030026)	
98	70030026	1	Case, Steering	
99	70024146	2	Kit, Ring Gear Support (See Separate Breakdown in this Section)	
110	7028733	1	Bolt, Steering Adjust (includes items 78 & 79)	
100	80204012	2	Plug	
101	7029733	2	Kit, Planet Gear Carrier (See Separate Breakdown in this Section)	
102	91474524	2	Cover	

FIGURE 5-47. FRONT AXLE, 110HP -STEERING

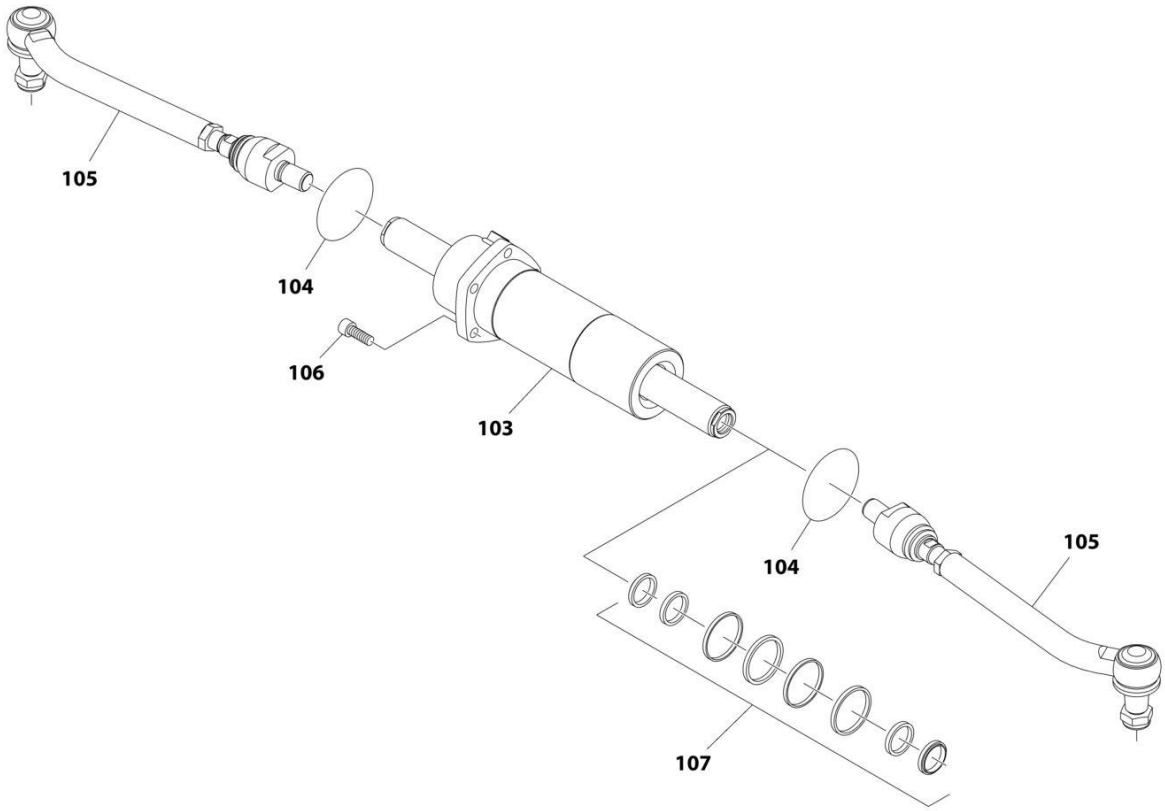


FIGURE 5-47. FRONT AXLE, 110HP -STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, STEERING	I
103	7026490	1	Cylinder	
104	80204143	2	O-Ring	
105	70021614	2	Rod, Articulated Tie	
106	80204144	5	Bolt	
107	7029127	1	Kit, Seal	

FIGURE 5-48. FRONT AXLE, 110HP - TRUNION

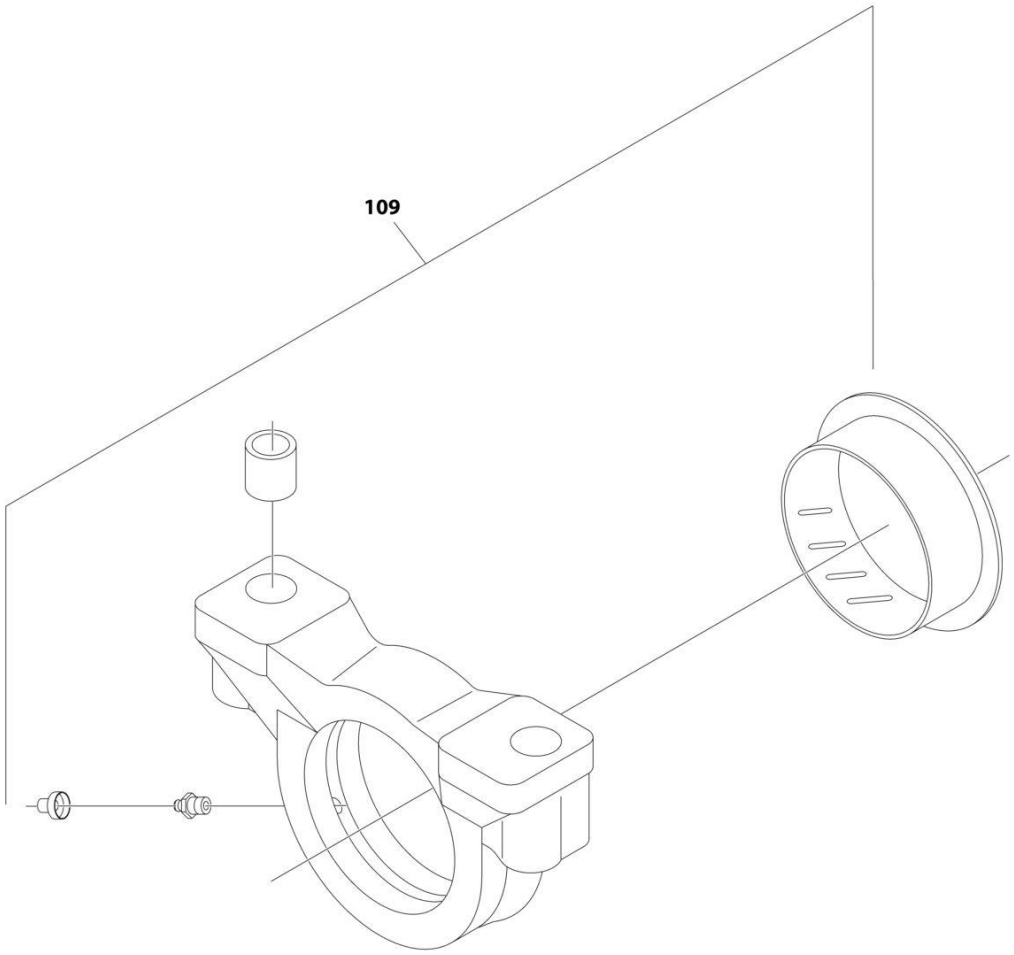


FIGURE 5-48. FRONT AXLE, 110HP - TRUNION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, TRUNION	I
109	70026266	2	Trunion (See Separate Breakdown in this Section)	

FIGURE 5-49. FRONT AXLE, 110HP - DIFFERENTIAL KIT

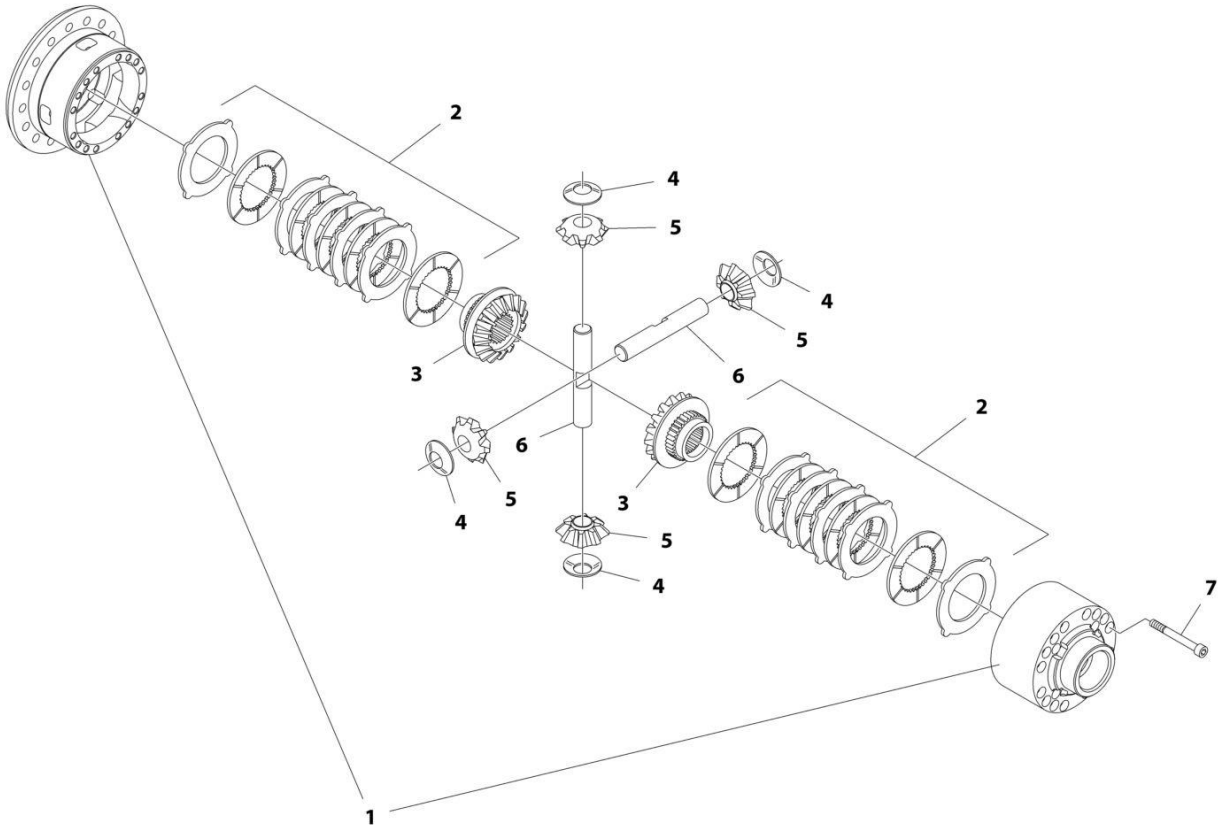


FIGURE 5-49. FRONT AXLE, 110HP - DIFFERENTIAL KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, DIFFERENTIAL KIT	I
	70024005	Ref	Differential Kit	
1	70024004	1	Carrier, Differential	
2	70023496	2	Disc, Clutch	
3	70025856	2	Gear, Differential Side	
4	70023491	4	Washer	
5	70025339	4	Pinion, Differential	
6	70023490	2	Shaft, Differential	
7	91514143	1	Bolt	

FIGURE 5-50. FRONT AXLE, 100HP - PLANET GEAR CARRIER

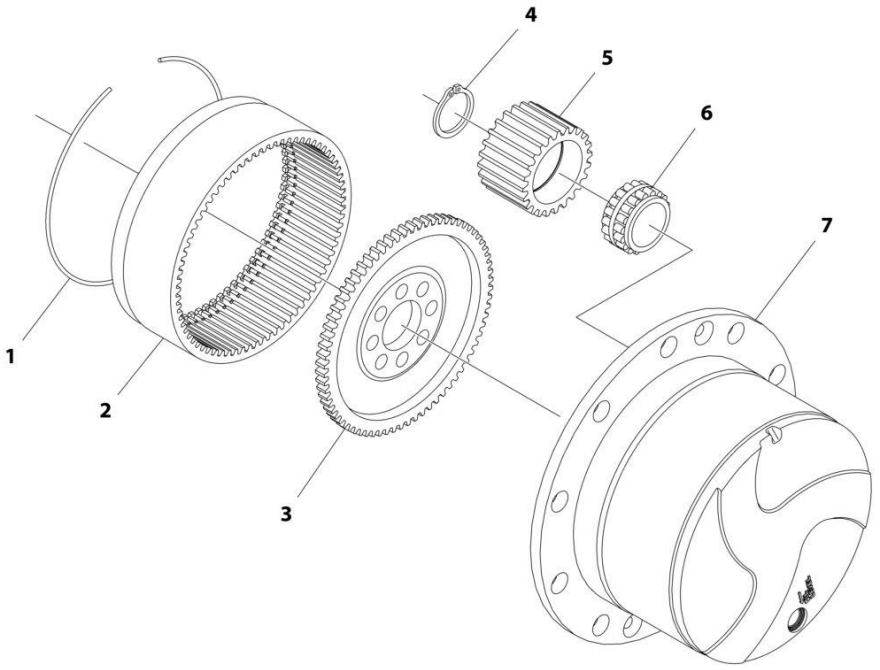


FIGURE 5-50. FRONT AXLE, 100HP - PLANET GEAR CARRIER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, PLANET GEAR CARRIER	I
	70025972	Ref	Planet Gear Carrier	
1	91514175	1	Circlip	
2	70024147	1	Gear, Ring	
3	91514177	1	Gear, Ring Support	
4	91514184	3	Ring, Snap	
5	91514185	3	Gear, Planet	
6	91514186	3	Bearing	
7	7026731	1	Carrier, Planet Gear	

FIGURE 5-51. FRONT AXLE, 110HP - RING GEAR SUPPORT

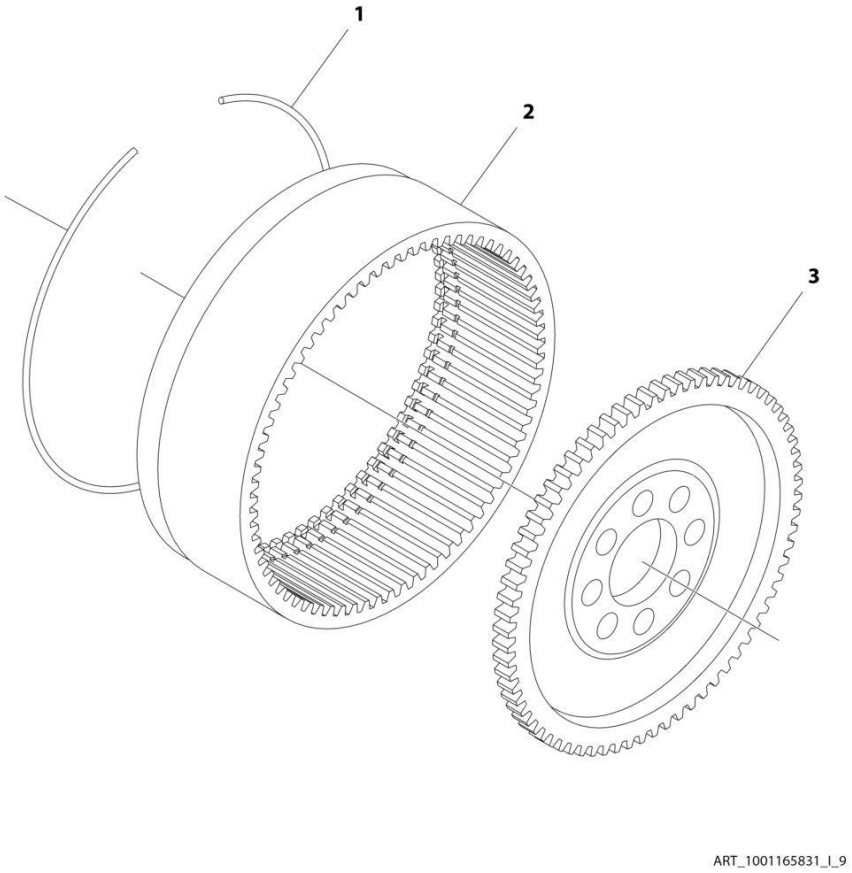


FIGURE 5-51. FRONT AXLE, 110HP - RING GEAR SUPPORT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, RIGHT GEAR SUPPORT	I
	70024146	Ref	Ring Gear Support	
1	91514175	1	Circlip	
2	70024147	1	Gear, Ring	
3	91514177	1	Gear, Ring Support	

FIGURE 5-52. FRONT AXLE, 110HP - PLANET GEAR CARRIER

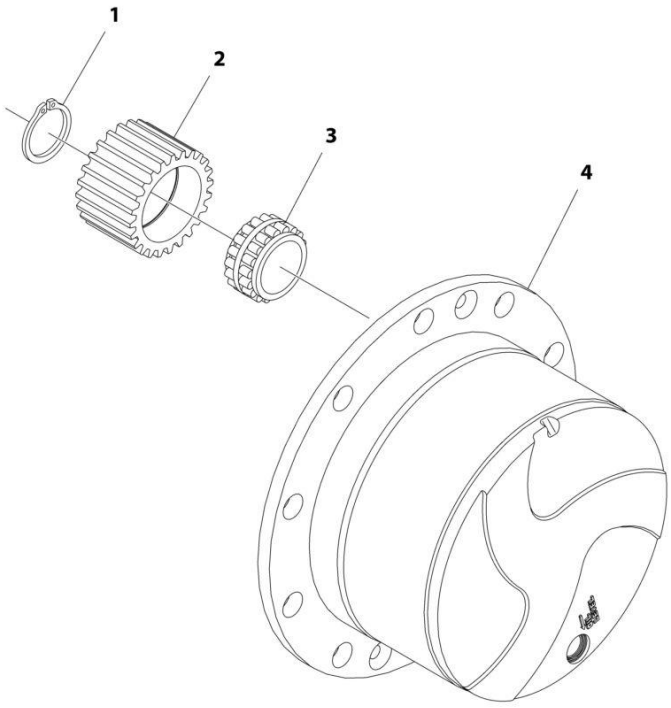


FIGURE 5-52. FRONT AXLE, 110HP - PLANET GEAR CARRIER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, PLANET GEAR CARRIER	I
	7029733	Ref	Planet Gear Carrier	
1	91514184	3	Ring, Snap	
2	91514185	3	Gear, Planet	
3	91514186	3	Bearing	
4	7026731	1	Carrier, Planet Gear	

FIGURE 5-53. FRONT AXLE, 110HP - SUPPORT

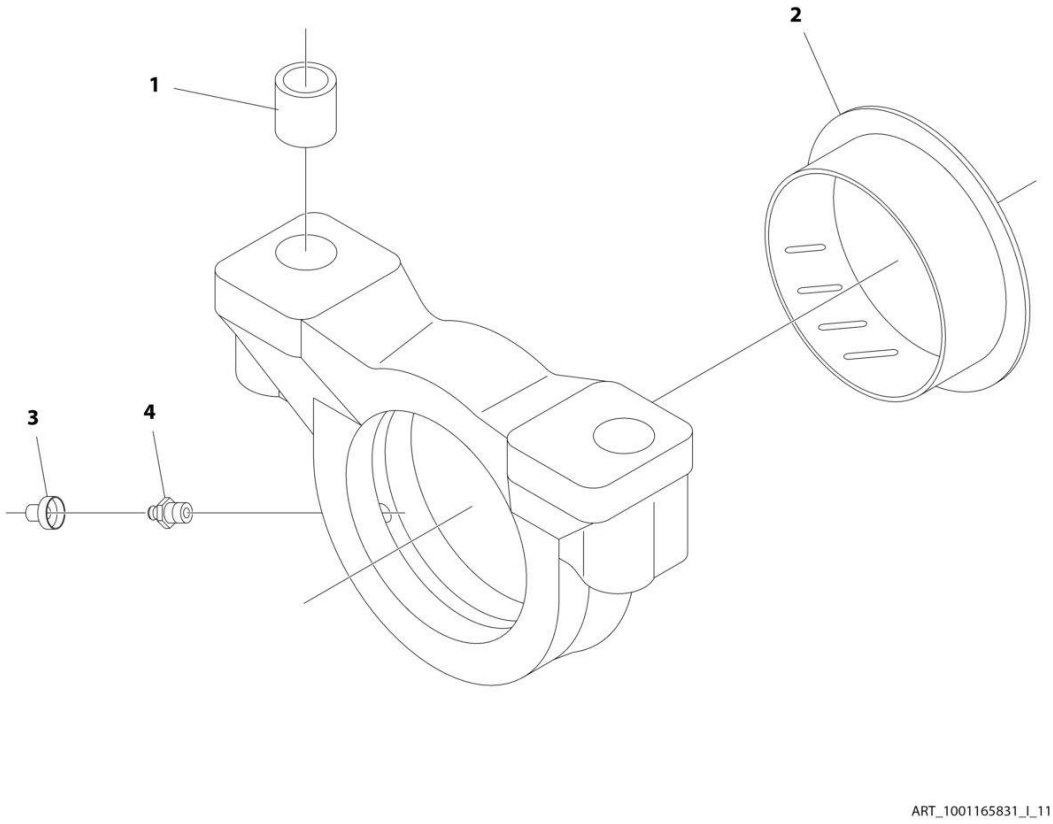


FIGURE 5-53. FRONT AXLE, 110HP - SUPPORT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165831	Ref	FRONT AXLE, SUPPORT	I
	70026266	Ref	Support	
1	7029290	2	Bushing, Reduction	
2	91514090	1	Bushing, Thrust	
3	80204117	1	Plug	
4	91514099	1	Fitting, Grease	

FIGURE 5-54. REAR AXLE INSTALLATION, 74HP

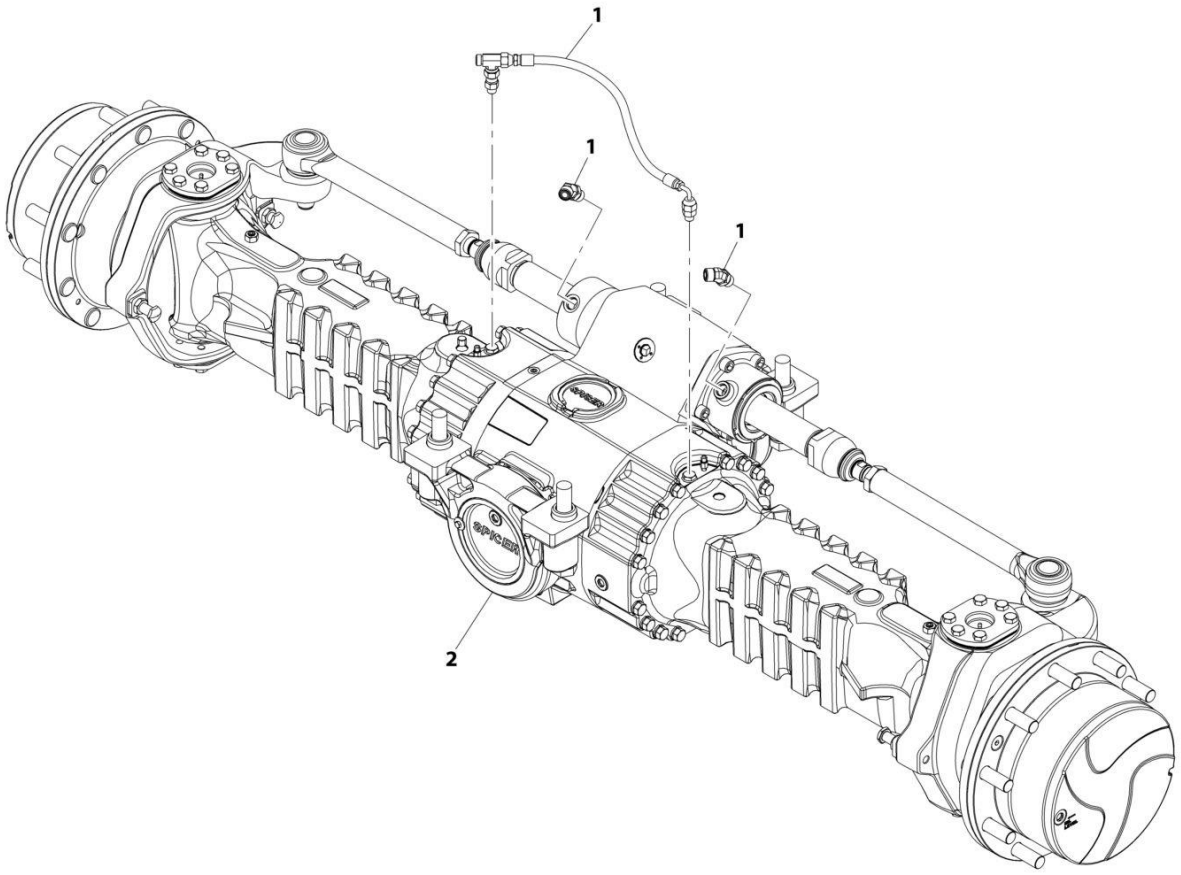


FIGURE 5-54. REAR AXLE INSTALLATION, 74HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225272	Ref	Rear Axle Installation, 74HP	A
1	1001161424	Ref	Installation, Rear Axle Lines (See Separate Breakdown in this section)	
2	1001225271	Ref	Installation, Rear Axle Mounting (See Separate Breakdown in this section)	

FIGURE 5-55. REAR AXLE INSTALLATION, 110HP

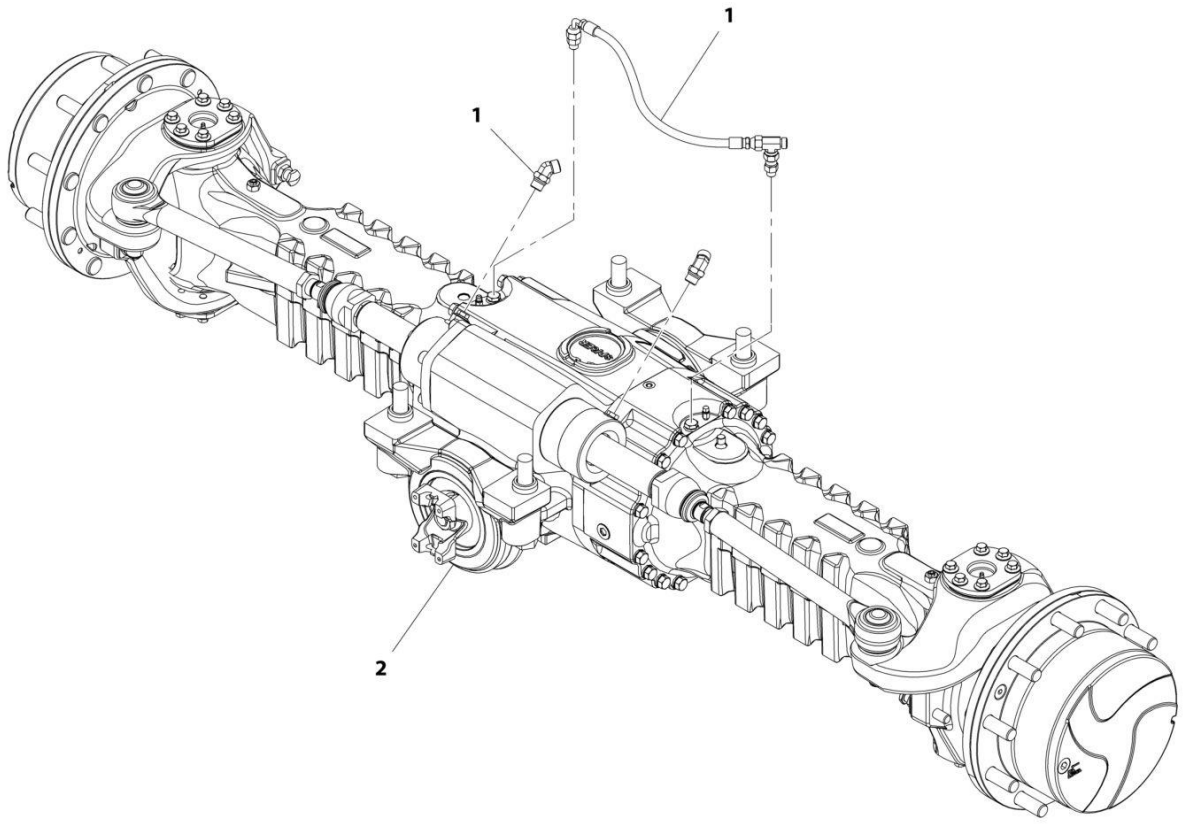


FIGURE 5-55. REAR AXLE INSTALLATION, 110HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168783	Ref	Rear Axle Installation	A
1	1001161424	Ref	Installation, Rear Axle Lines (See Separate Breakdown in this Section)	
2	1001168782	Ref	Installation, Rear Axle Mounting (See Separate Breakdown in this Section)	

FIGURE 5-56. REAR AXLE LINES INSTALLATION

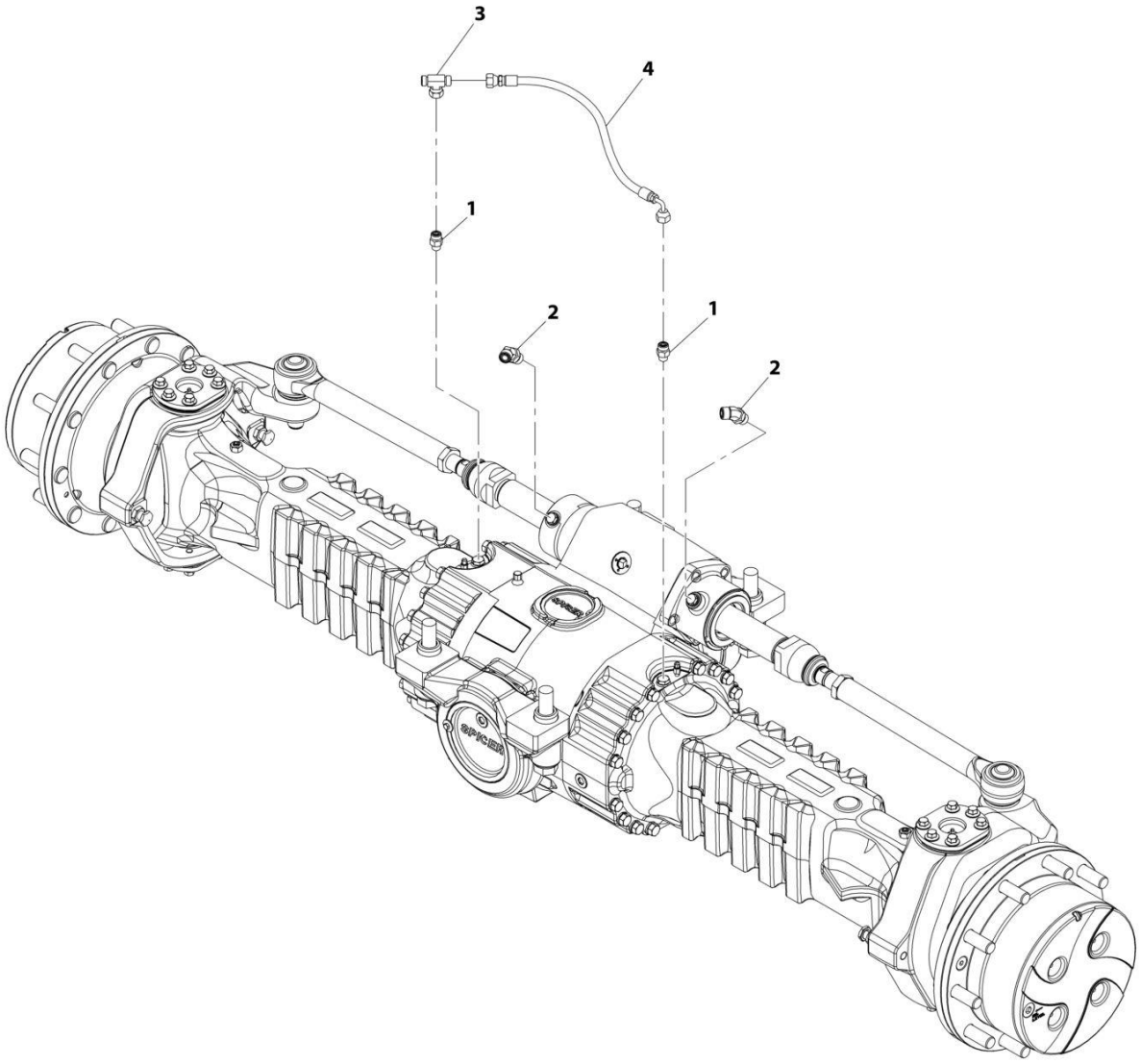


FIGURE 5-56. REAR AXLE LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161424	Ref	Rear Axle Lines Installation	D
1	2144605	2	Fitting, Straight ORFS	
2	2150808	2	Fitting, 45 ORFS	
3	2170806	1	Fitting, Tee ORFS	
4	1001102509	1	Hose	

FIGURE 5-57. REAR AXLE MOUNTING INSTALLATION, 74HP

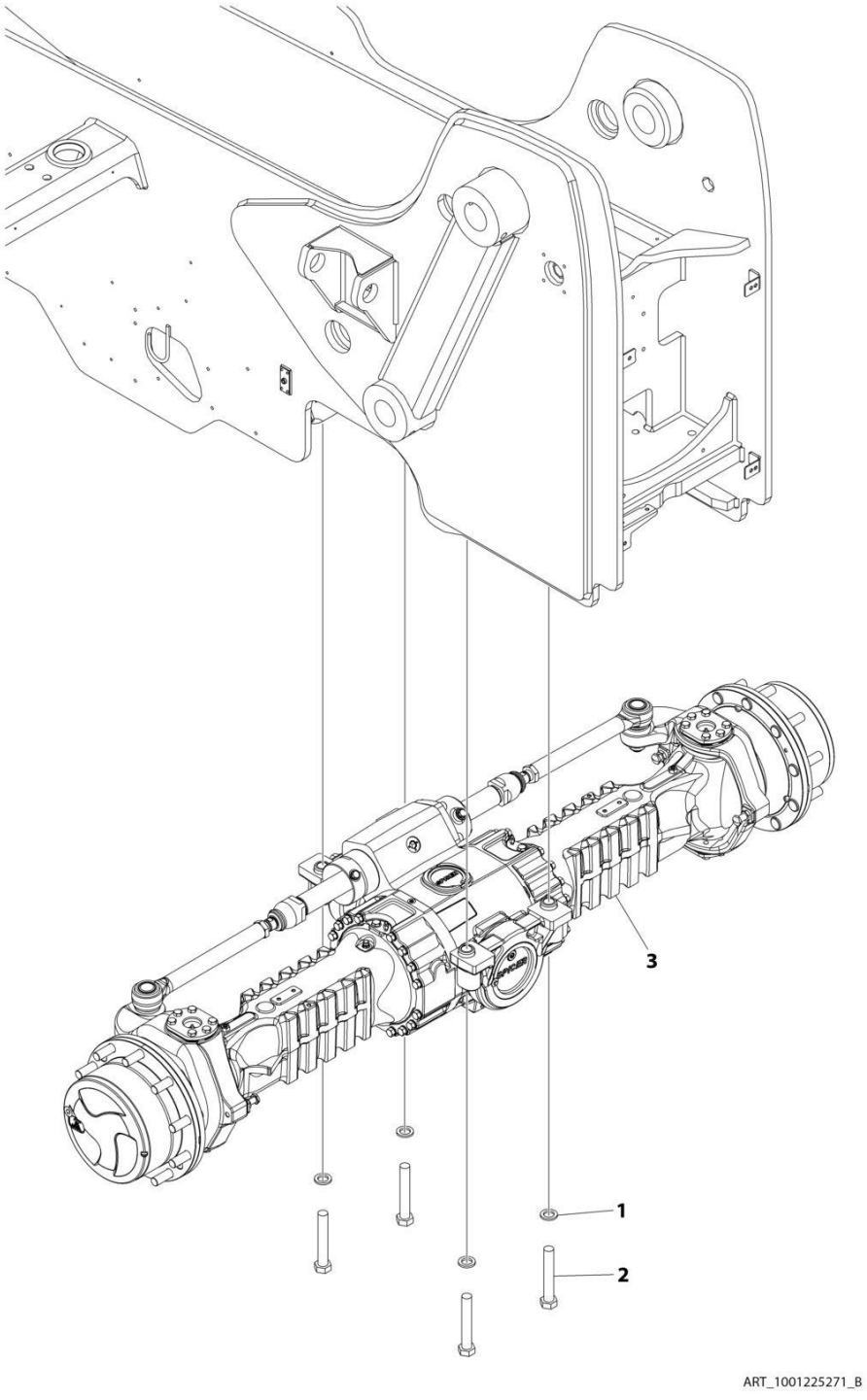


FIGURE 5-57. REAR AXLE MOUNTING INSTALLATION, 74HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225271	Ref	Rear Axle Mounting Installation, 74HP	B
1	4892600	4	Washer	
2	1001097587	4	Bolt, M24X150	
3	1001262339	1	Axle, Rear, 74HP (See Separate Breakdown in this Section)	

FIGURE 5-58. REAR AXLE MOUNTING INSTALLATION, 110HP

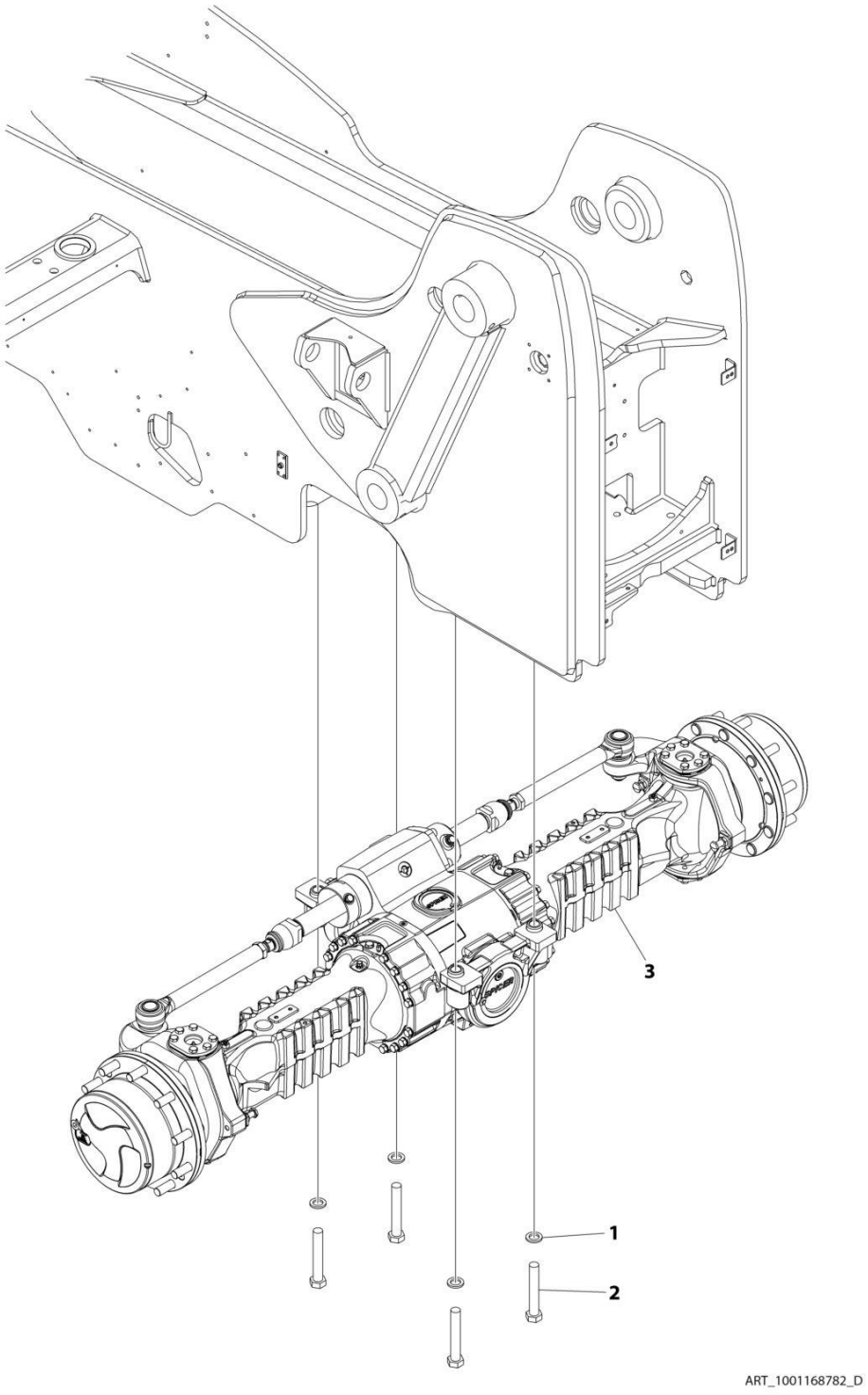
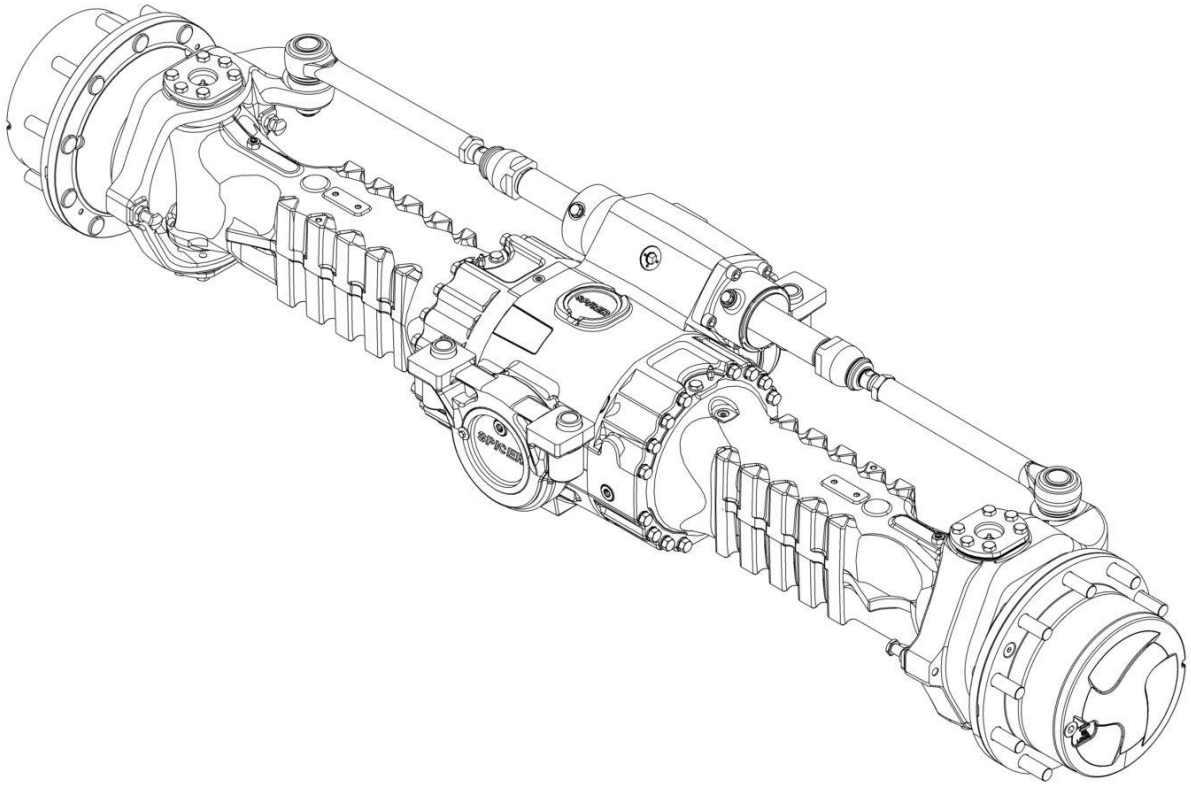


FIGURE 5-58. REAR AXLE MOUNTING INSTALLATION, 110HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168782	Ref	Rear Axle Mounting Installation	D
1	4892600	4	Washer	
2	1001097587	4	Bolt, M24X150	
3	1001262336	1	Axle, Rear (See Separate Breakdown in this Section)	

FIGURE 5-59. REAR AXLE, 74HP



ART_1001262339

FIGURE 5-59. REAR AXLE, 74HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262339	Ref	REAR AXLE ASSEMBLY	A
		Ref	Rear Axle-Central Housing (See Separate Breakdown in this Section)	
		Ref	Rear Axle-Differential (See Separate Breakdown in this Section)	
		Ref	Rear Axle-Hub Reduction (See Separate Breakdown in this Section)	
		Ref	Rear Axle-Brakes (See Separate Breakdown in this Section)	
		Ref	Rear Axle-Steering (See Separate Breakdown in this Section)	
		Ref	Rear Axle-Trunion (See Separate Breakdown in this Section)	

FIGURE 5-60. REAR AXLE, 74HP - CENTRAL HOUSING

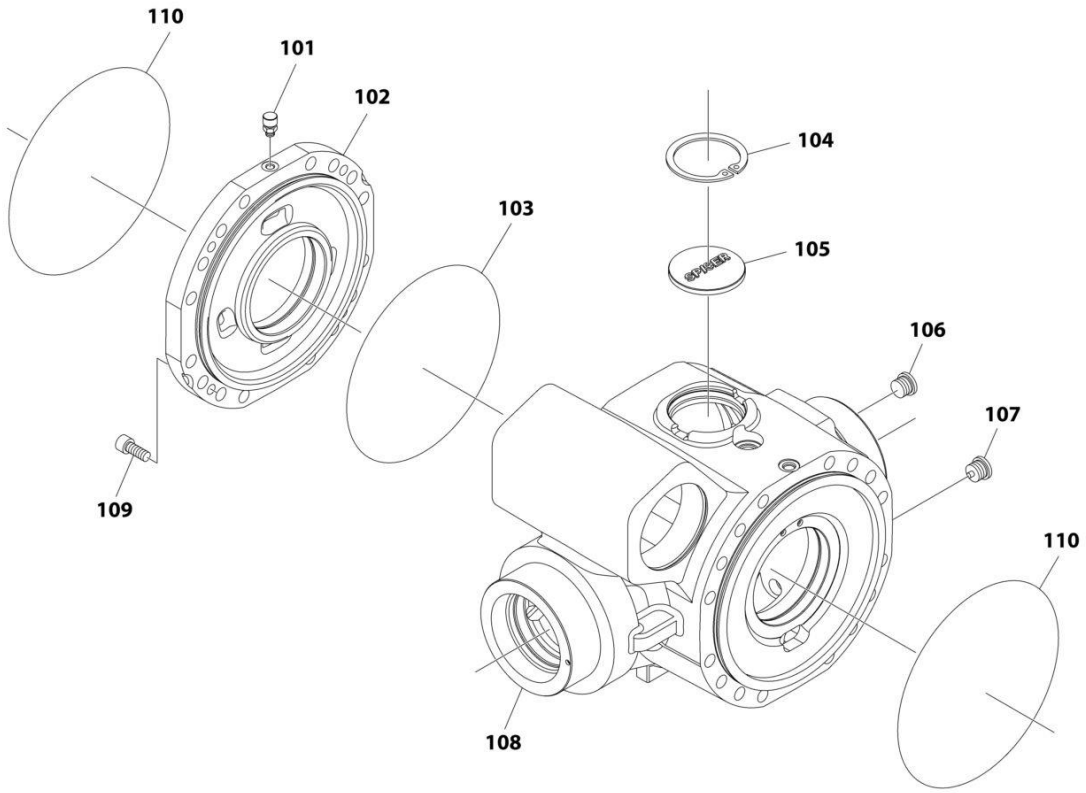
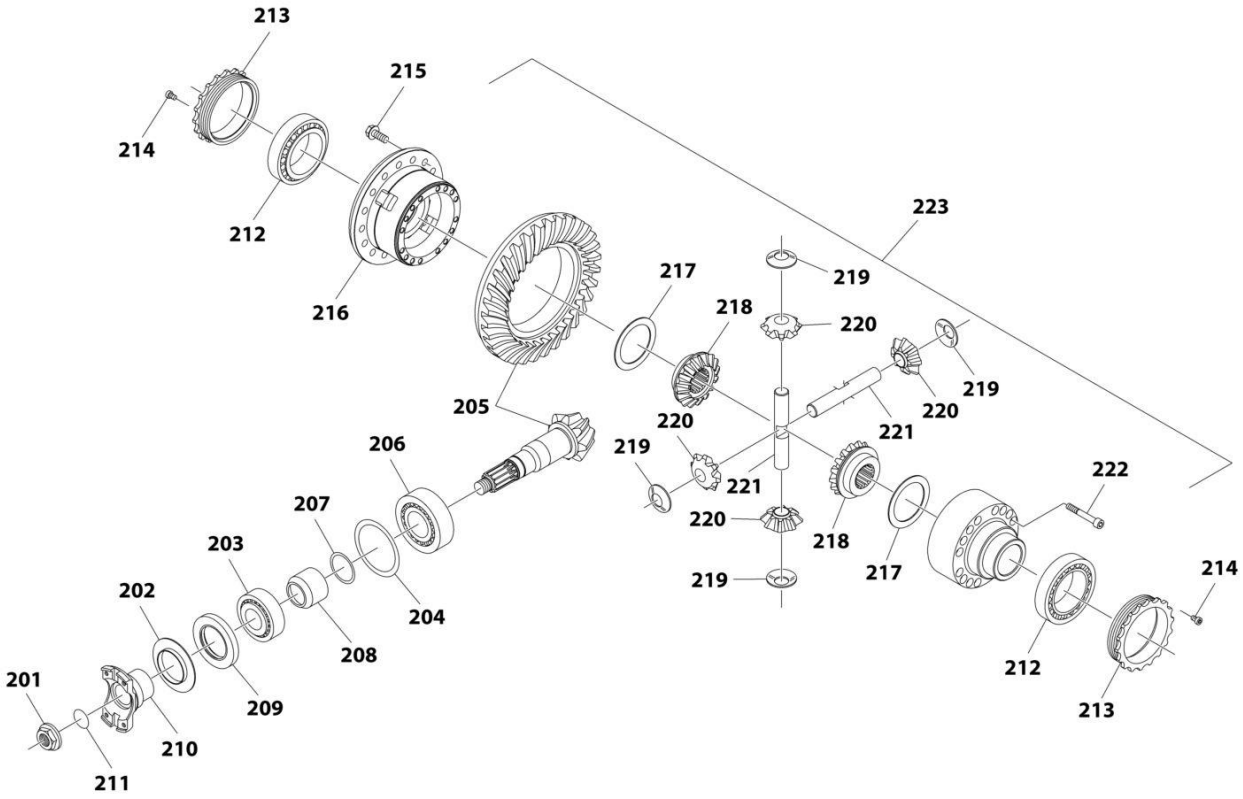


FIGURE 5-60. REAR AXLE, 74HP - CENTRAL HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262339	Ref	REAR AXLE-CENTRAL HOUSING	A
101	70028464	1	Vent	
102	7029288	1	Cover, Intermediate	
103	80204002	1	O-Ring	
104	80204005	1	Circlip	
105	91514098	1	Plug	
106	70028389	1	Plug	
107	70028388	1	Plug	
108	70025335	1	Housing	
109	91514101	4	Bolt	
110	91514089	2	O-Ring	

FIGURE 5-61. REAR AXLE, 74HP - DIFFERENTIAL



ART_1001262339_2

FIGURE 5-61. REAR AXLE, 74HP - DIFFERENTIAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262339	Ref	REAR AXLE-DIFFERENTIAL	A
201	80204043	1	Nut	
202	91514130	1	Plate, Cover	
203	80204048	1	Bearing, Taper Roller	
204	70023469	1	Shim	
205	70028399	1	Gear, Bevel Set	
206	80204035	1	Bearing, Tape Roller	
207	70023494	1	Spacer	
208	70022140	1	Spacer	
209	70025887	1	Seal	
210	91514131	1	Flange	
211	10725554	1	O-Ring	
212	80204033	2	Bearing, Tape Roller	
213	91514133	2	Nut, Ring	
214	91514134	2	Bolt	
215	70025562	16	Bolt	
216	70025337	1	Carrier, Differential	
217	70023493	2	Washer	
218	70025338	2	Gear, Differential Side	
219	70027105	4	Washer	
220	70025339	4	Pinion, Differential	
221	70023490	2	Shaft, Differential	
222	70023489	15	Bolt	
223	70028398	1	Differential (includes items 216 thru 222)	

FIGURE 5-62. REAR AXLE, 74HP - HUB REDUCTION

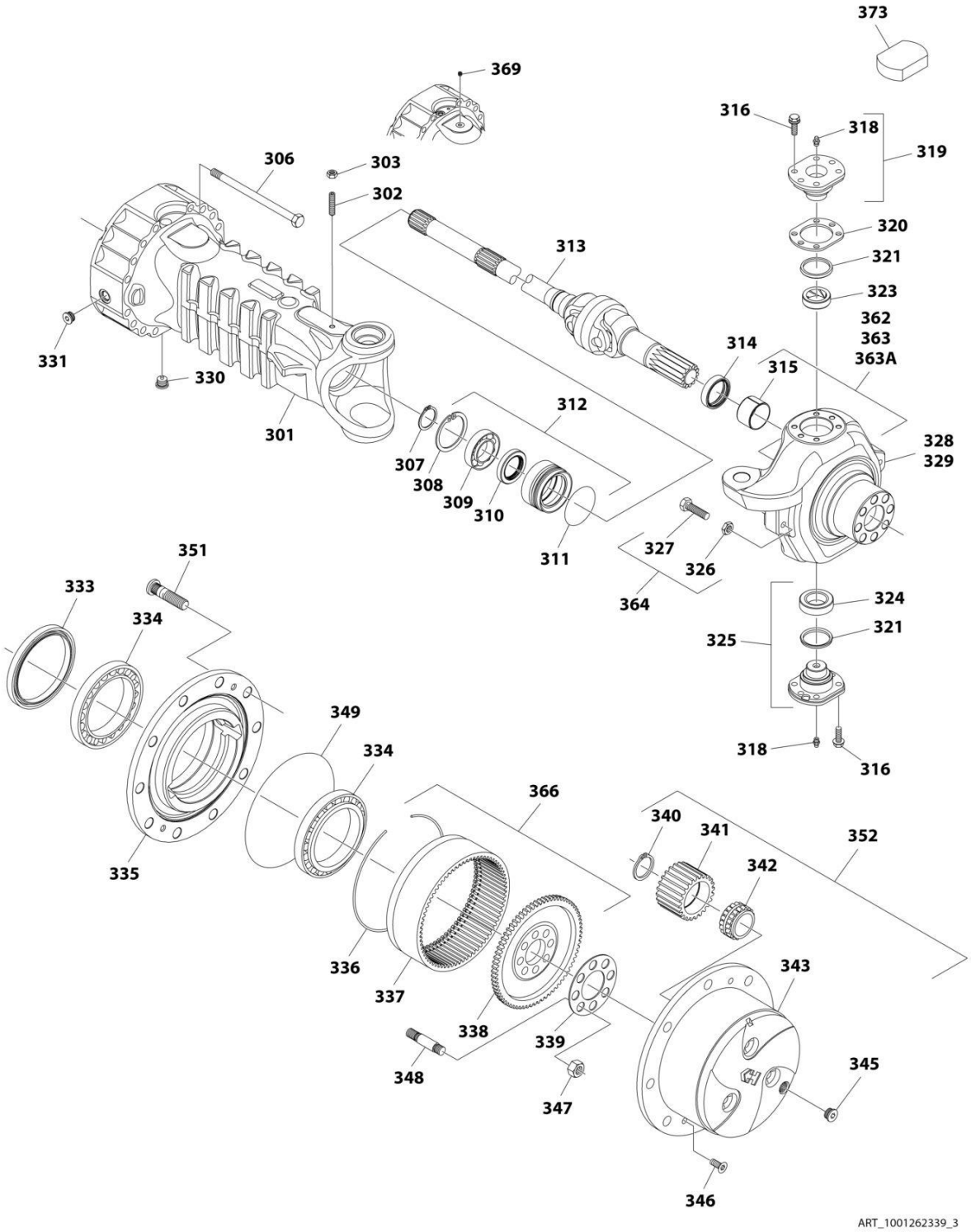


FIGURE 5-62. REAR AXLE, 74HP - HUB REDUCTION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262339	Ref	REAR AXLE-HUB REDUCTION	A
301	70025980	2	Case, Axle	
302	91514081	2	Bolt	
303	91514082	2	Nut	
306	70022814	32	Bolt	
307	80204071	2	Circlip	
308	80204005	2	Circlip	
309	91514146	2	Ball Bearing	
310	91514147	2	Seal	
311	91514148	2	O-Ring	
312	91514149	2	Reduction Bushing (includes items 308 thru 311)	
313	70025855	2	Joint, Double Universal	
314	70026238	2	Seal	
315	91514111	2	Bushing, Thrust	
316	70025562	24	Bolt	
318	70024881	4	Fitting, Grease	
319	91514112	2	Pivot Pin	
320	70025561	1	Kit, Shim	
321	7028716	4	Seal, Dust	
323	7028714	2	Bushing	
324	91514095	2	Bearing	
325	7028715	2	Pivot Pin	
326	80204065	4	Nut	
327	91514117	4	Bolt	
328	N.S.S.	1	Case, Steering	
329	N.S.S.	1	Case, Steering	
330	70028388	2	Plug	
331	70028389	2	Plug	
333	70026002	2	Seal	
334	80204076	4	Bearing, Taper Roller	
335	91514174	2	Hub, Wheel	
336	91514175	2	Circlip	
337	70024147	2	Gear, Ring	
338	91514177	2	Support, Ring Gear	
339	91514178	2	Plate, Locking	
340	91514184	3	Snap Ring	
341	91514185	6	Gear, Planet	
342	91514186	6	Bearing	
343	7026731	1	Carrier, Planetary Gear	
345	70028387	2	Plug	
346	91514189	4	Bolt, Countersunk	
347	91514179	16	Nut	
348	91514180	16	Stud	
319	91514181	2	O-Ring	
351	91514183	20	Wheel Stud	
352	7029733	2	Carrier, Planet Gear (includes items 340 thru 343)	
362	70026239	1	Case, Steering (includes items 315 & 328)	
363	70026240	NLA	Case, Steering (includes items 315 & 329) (No Longer Available, Use Item 70030026)	
363A	70030026	1	Case, Steering	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
364	7028733	4	Bolt, Steering Adjust	
366	70024146	2	Support, Ring Gear (includes items 336 thru 338)	
369	80204012	2	Plug	
373	70028392	2	Cover	

FIGURE 5-63. REAR AXLE, 74HP - BRAKES

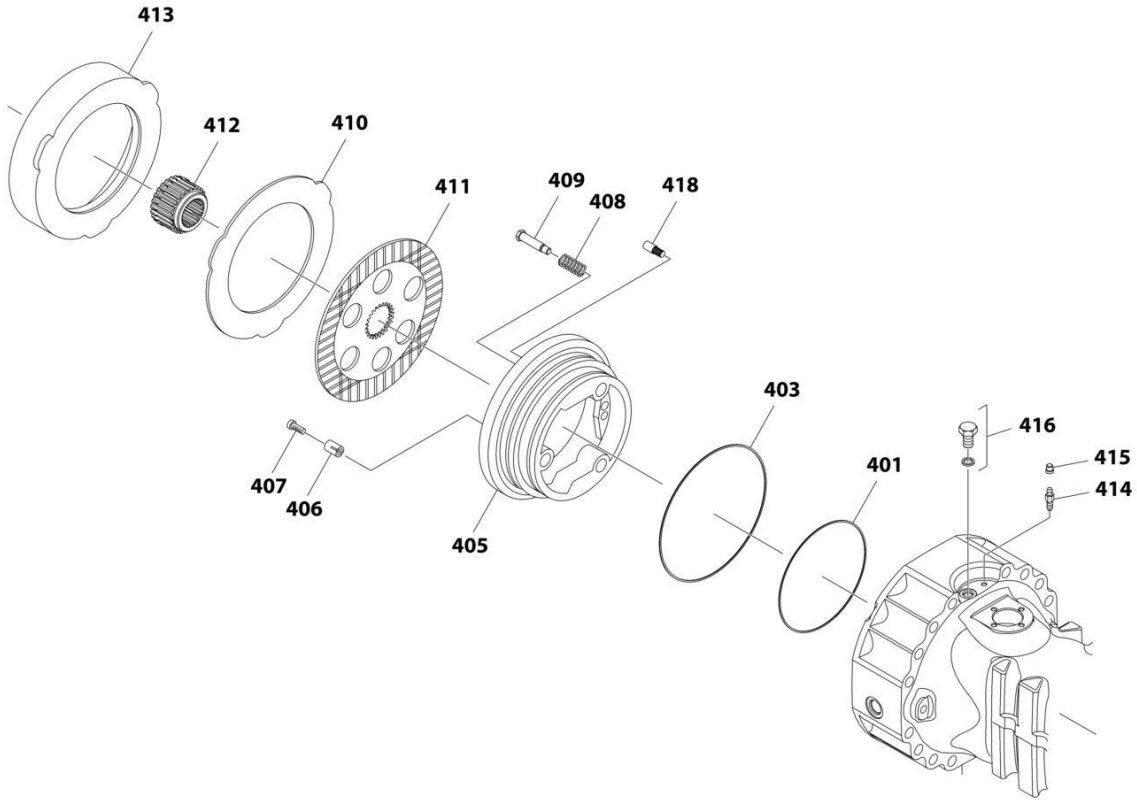


FIGURE 5-63. REAR AXLE, 74HP - BRAKES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262339	Ref	REAR AXLE-BRAKES	A
401	70026747	2	Seal	
403	70026748	2	Seal	
405	70024216	2	Piston	
406	70027317	6	Spring	
407	7029785	6	Bolt, Adjusting	
408	91514159	6	Spring	
409	70024210	6	Bolt, Adjusting	
410	70027022	6	Disc, Intermediate Brake	
411	7029735	6	Disc, Brake	
412	7029734	2	Bushing, Reduction	
413	70021606	2	Spacer	
414	80204281	2	Bolt, Bleeding	
415	80204117	2	Plug	
416	91514154	2	Bolt	
418	70021613	2	Bolt, Pilot	

FIGURE 5-64. REAR AXLE, 74HP - STEERING

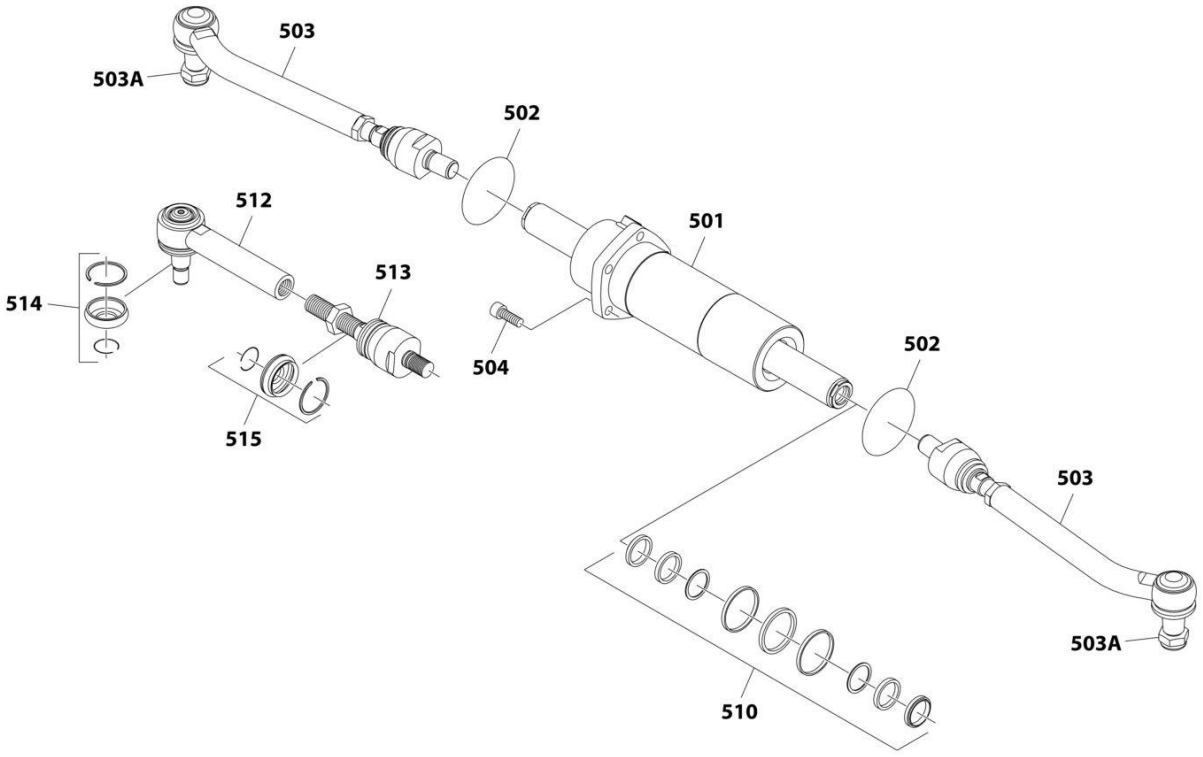


FIGURE 5-64. REAR AXLE, 74HP - STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262339	Ref	REAR AXLE-STEERING	A
501	7026490	1	Cylinder	
502	80204143	2	O-Ring	
503	70026753	2	Tie Rod	
503A	70022773	2	Nut	
504	80204144	5	Bolt	
510	7029127	1	Seal Kit	
512	70028465	1	Joint, 90	
513	70028466	1	Axial Joint Shaft	
514	70028467	1	Rubber Boot and Locking Ring Kit	
515	70028468	1	Rubber Boot and Locking Ring Kit	

FIGURE 5-65. REAR AXLE, 74HP- TRUNION

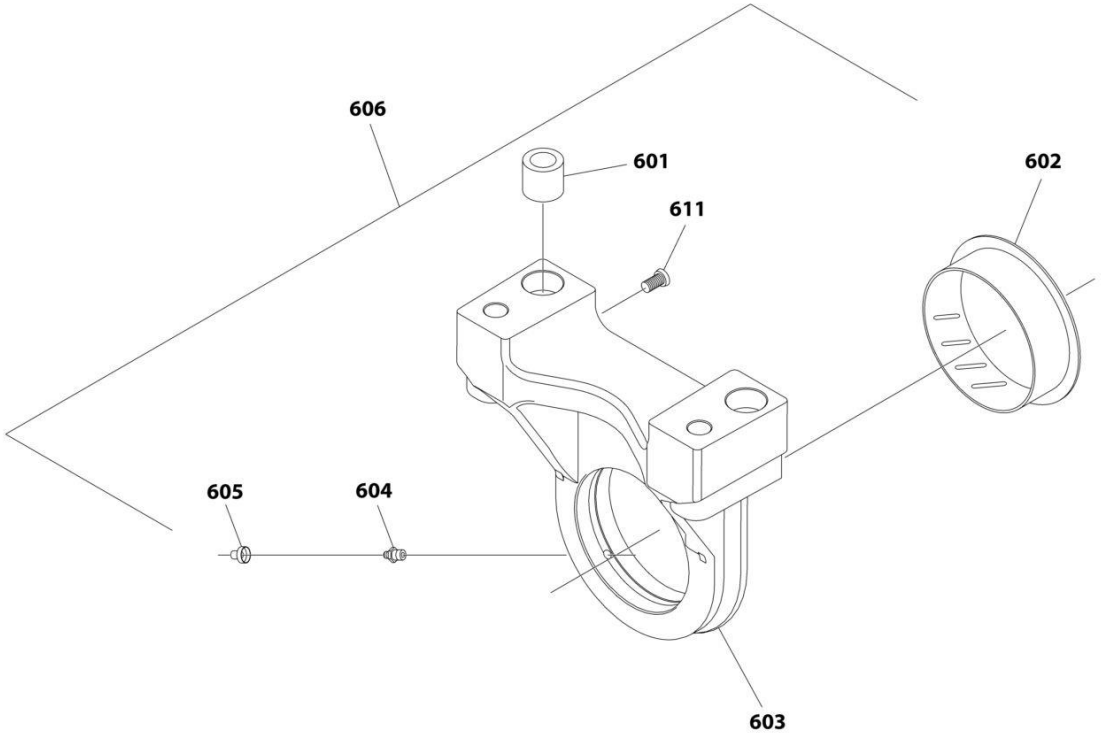
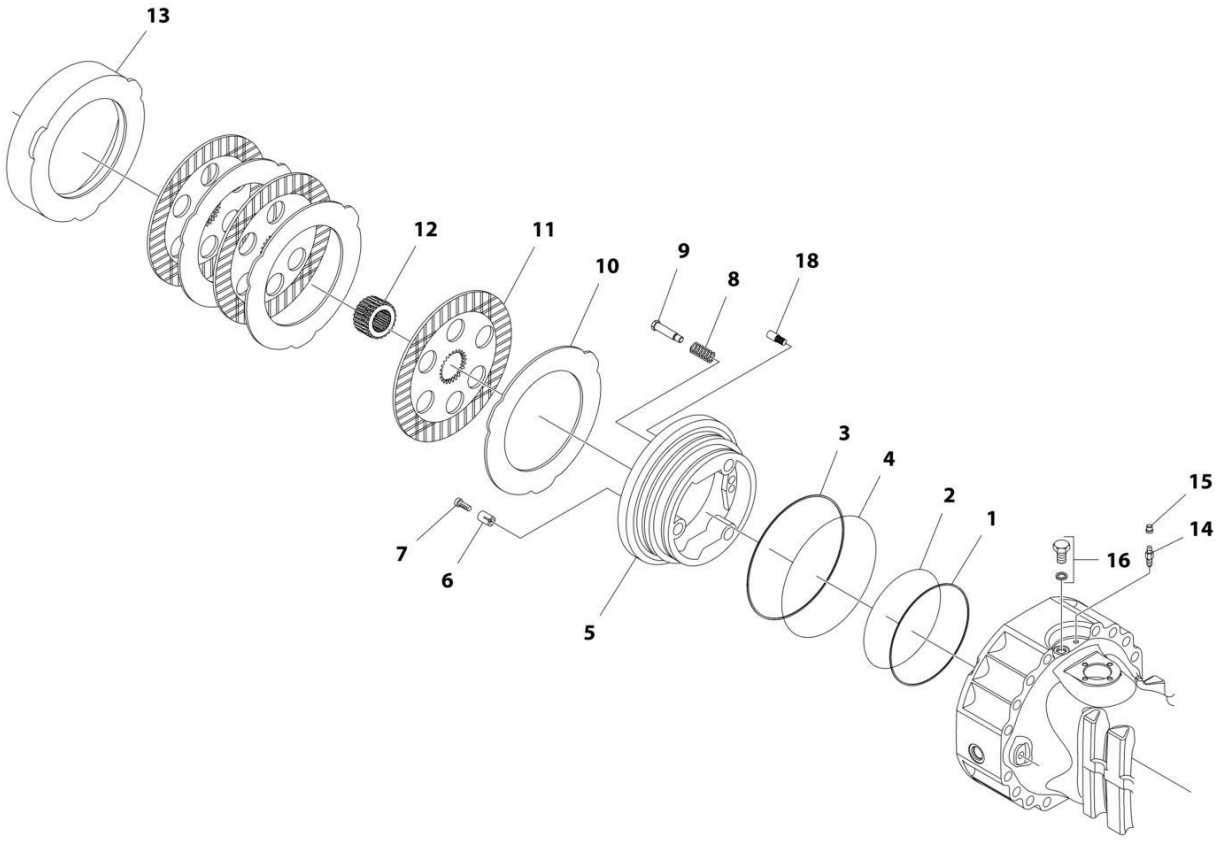
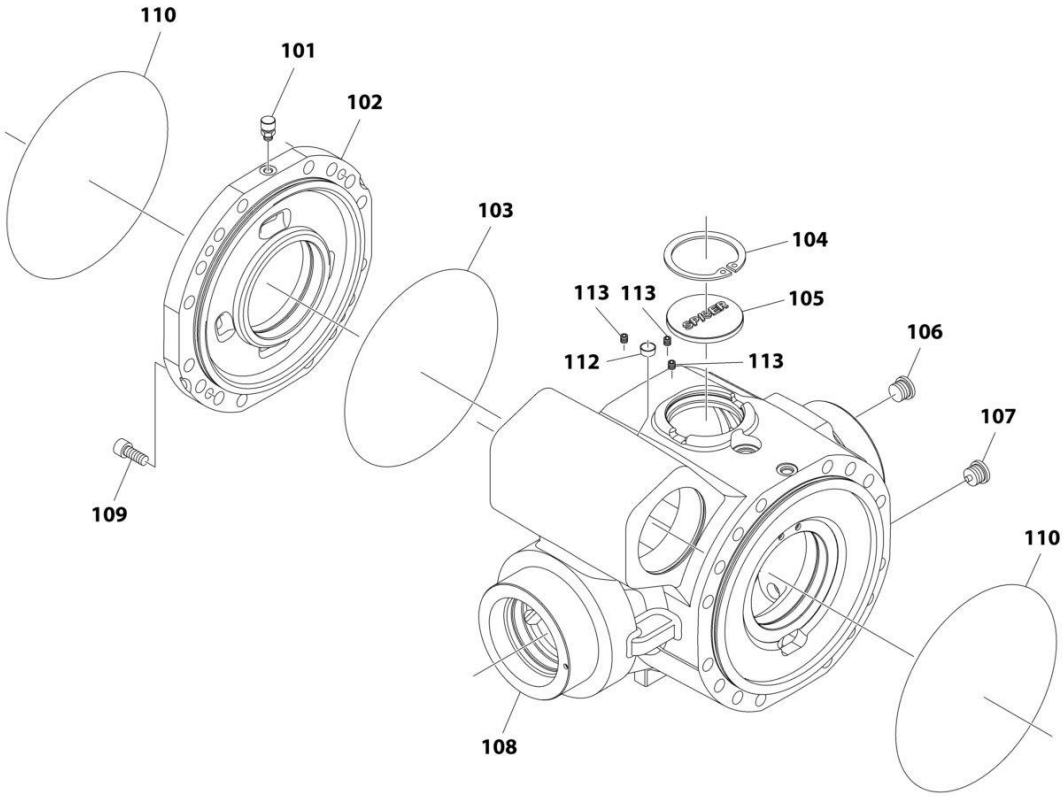


FIGURE 5-65. REAR AXLE, 74HP- TRUNION

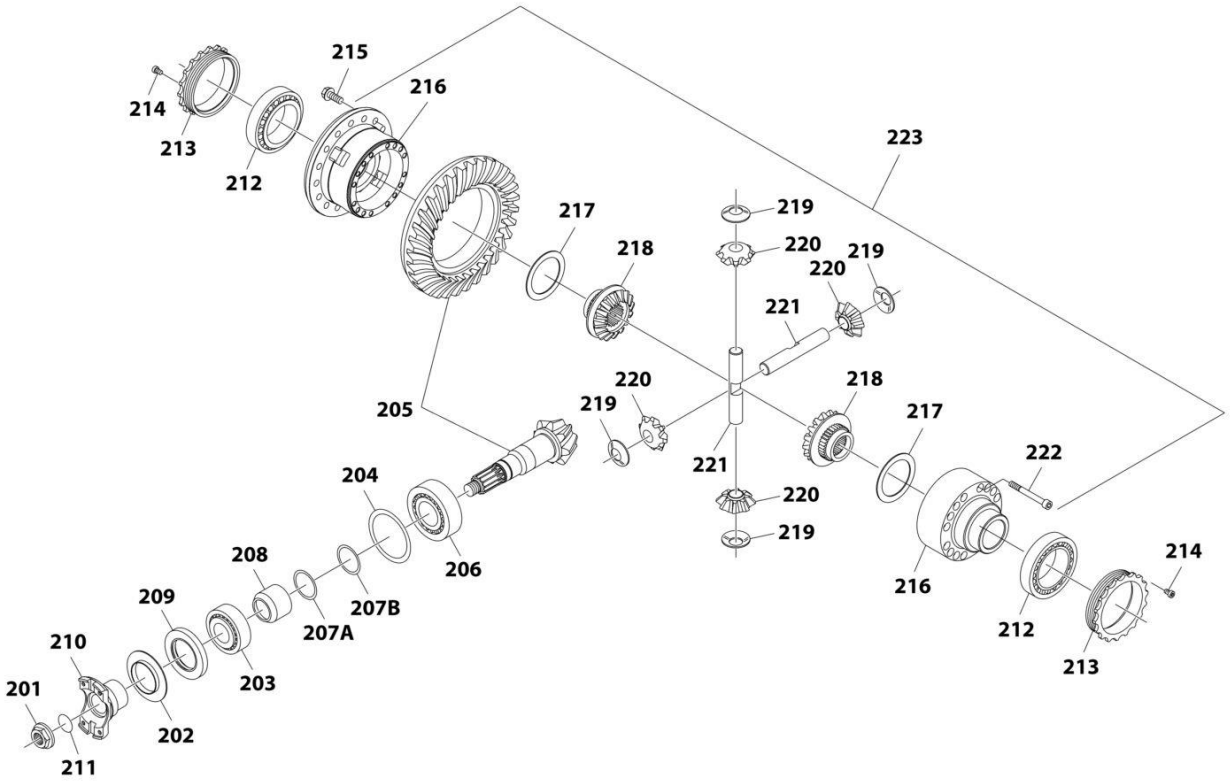
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262339	Ref	REAR AXLE-TRUNION	A
601	7029290	4	Bushing	
602	91514090	2	Bushing, Thrust	
603	See Note	NSS	Support (Note: Purchase Item 606)	
604	70024881	2	Fitting, Grease	
605	80204117	2	Plug	
606	70026266	2	Support Assembly ((includes items 601 thru 605)	
611	70025884	2	Bolt	

FIGURE 5-66. REAR AXLE, 110HP

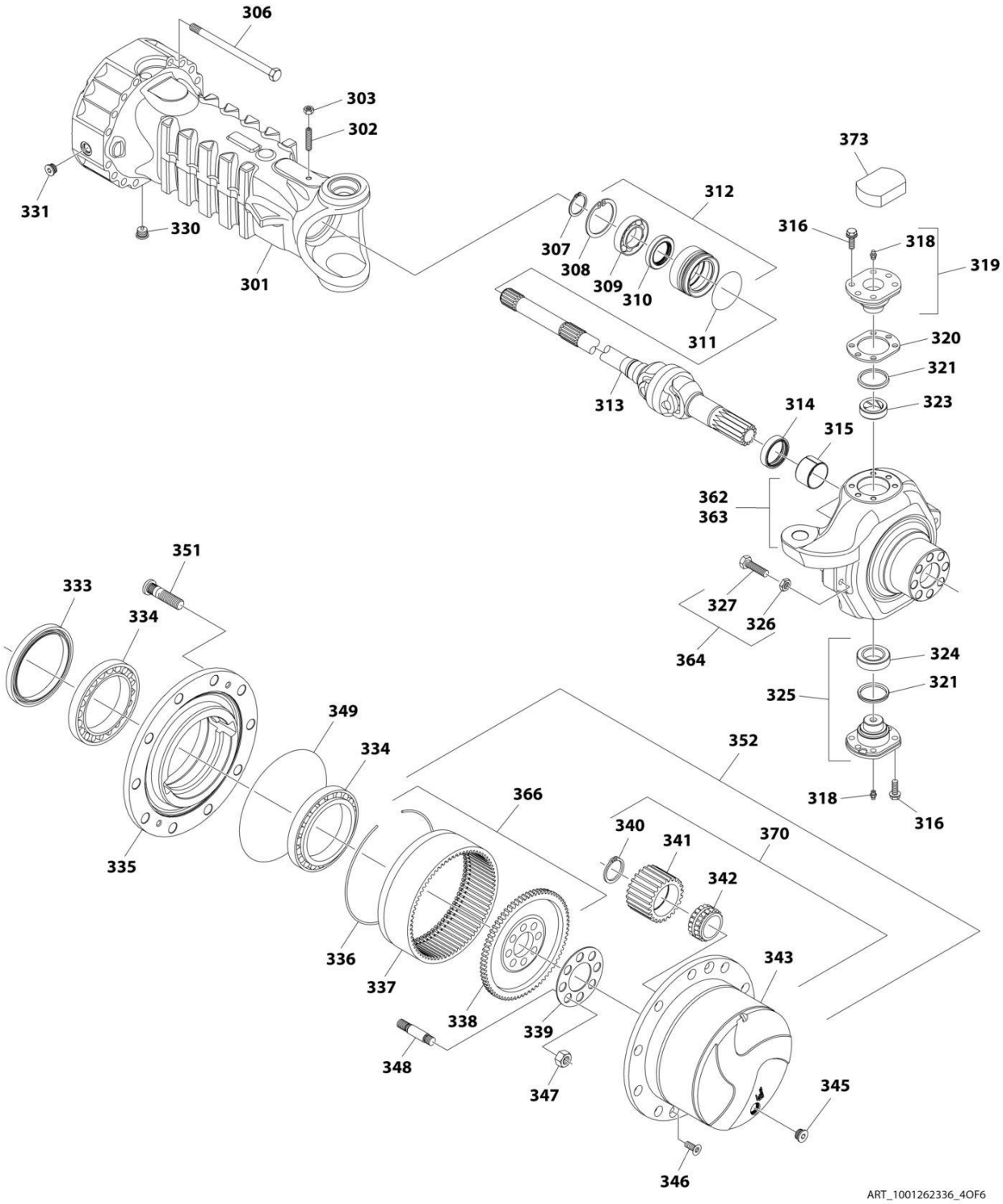


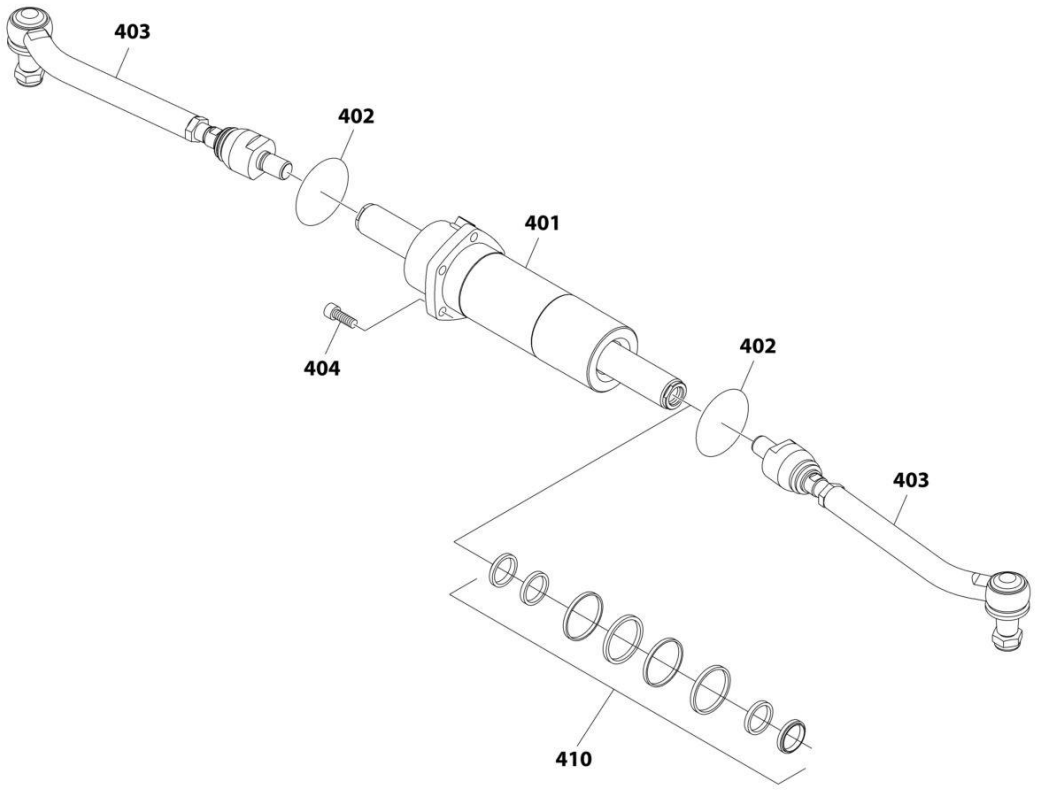


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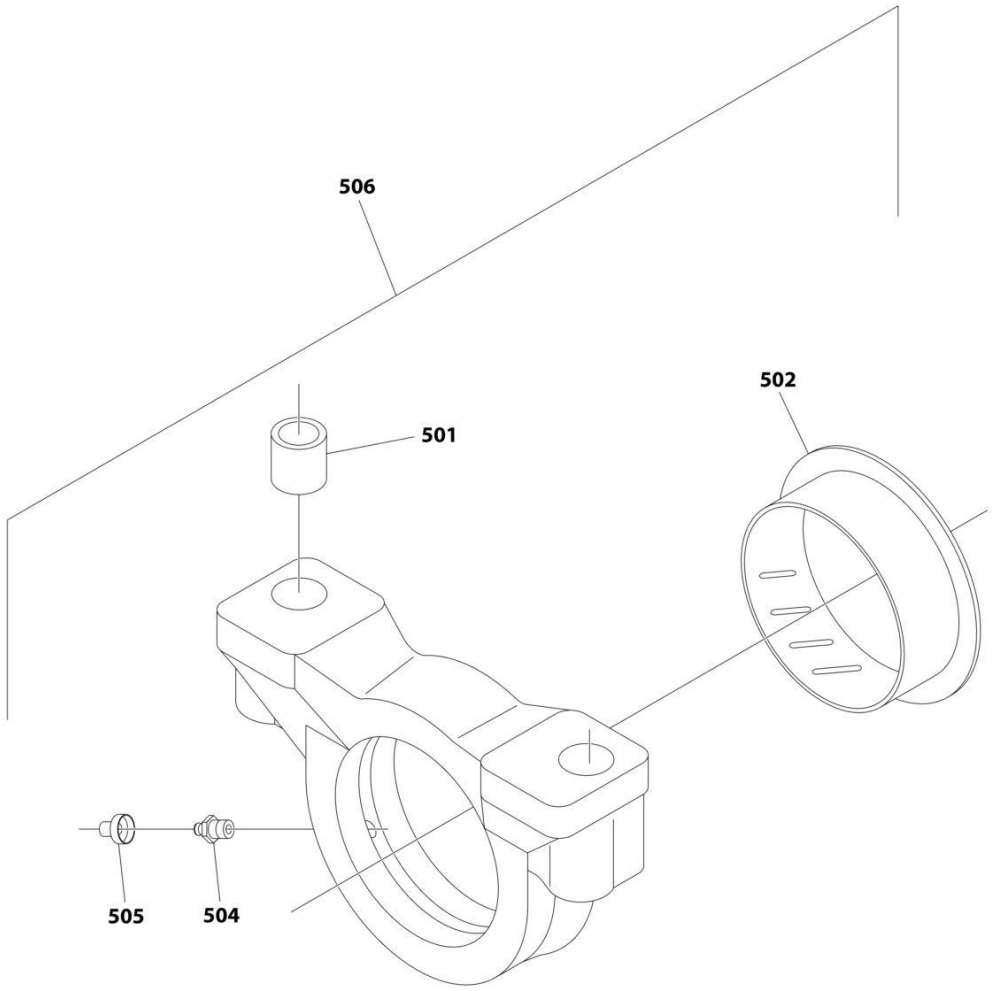


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ART_1001262336_5OF6



ART_1001262336_6OF6

FIGURE 5-66. REAR AXLE, 110HP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262336	Ref	REAR AXLE ASSEMBLY	A
		Ref	BRAKE ASSEMBLY	
1	70021609	2	Ring, Back-Up	
2	70021610	2	O-Ring	
3	70021612	2	Ring, Back-Up	
4	70021611	2	O-Ring	
5	70024216	2	Piston	
6	91514165	6	Spring	
7	70021607	6	Bolt, Adjusting	
8	91514159	6	Spring	
9	70024210	6	Bolt, Adjusting	
10	91514161	6	Disc, Intermediate Brake	
11	7029735	6	Disk, Brake	
12	7029734	2	Bushing, Reduction	
13	70021606	2	Spacer	
14	80204281	2	Bolt, Bleeding	
15	80204117	2	Plug	
16	91514154	2	Bolt	
18	70021613	2	Bolt, Pilot	
		Ref	CENTRAL HOUSING ASSEMBLY	
101	91474512	1	Vent	
102	7029288	1	Cover, Intermediate	
103	80204002	1	O-Ring	
104	80204005	1	Circlip	
105	91514098	1	Plug	
106	91514087	1	Plug	
107	70021177	1	Plug	
108	70025335	1	Housing	
109	91514101	4	Bolt	
110	91514089	2	O-Ring	
112	7029307	1	Plug	
113	8008175	3	Bolt	
		Ref	DIFFERENTIAL ASSEMBLY	
201	80204043	1	Nut	
202	91514130	1	Plate, Cover	
203	70030024	1	Bearing, Taper Roller	
204	70023469	1	Shim	
205	70026632	1	Gear, Bevel Set	
206	80204035	1	Bearing, Taper Roller	
207A	70026438	1	Kit, Shim	
207B	70026439	1	Kit, Shim	
208	70022140	1	Spacer	
209	70025887	1	Seal	
210	91514131	1	Flange	
211	10725554	1	O-Ring	
212	80204033	2	Bearing, Taper Roller	
213	91514133	2	Nut, Ring	
214	91514134	2	Bolt	
215	91514123	16	Bolt	
216	70025337	1	Carrier, Differential	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
217	70023493	2	Washer, Friction	
218	70025338	2	Gear, Differential Side	
219	70027105	4	Washer, Friction	
220	70025339	4	Pinion, Differential	
221	70023490	2	Shaft, Differential	
222	70023489	15	Bolt	
223	70026030	1	Kit, Differential (Includes Items 216-222)	
		Ref	HUB REDUCTION ASSEMBLY	
301	70025980	2	Case, Axle	
302	91514081	2	Bolt	
303	91514082	2	Nut	
306	70022814	32	Bolt	
307	80204071	2	Circlip	
308	80204005	2	Circlip	
309	91514146	2	Ball Bearing	
310	91514147	2	Seal	
311	91514148	2	O-Ring	
312	91514149	2	Bushing, Reduction	
313	70025855	2	Joint, Double Universal	
314	70026238	2	Seal	
315	91514111	2	Bushing, Thrust	
316	70025562	24	Bolt	
318	70024881	4	Fitting, Grease	
319	91514112	2	Pin, Pivot	
320	70025561	1	Kit, Shim	
321	7028716	4	Seal, Dust	
323	7028714	2	Bushing	
324	91514095	2	Bearing	
325	7028715	2	Pin, Pivot	
326	80204065	4	Nut	
327	7028733	4	Bolt	
330	70028388	2	Plug	
331	70028329	2	Bolt	
333	70026002	2	Seal	
334	80204076	4	Bearing, Taper Roller	
335	91514174	2	Hub, Wheel	
336	91514175	2	Circlip	
337	70024147	2	Gear, Ring	
338	91514177	2	Support, Ring Gear	
339	91514178	2	Plate, Locking	
340	91514184	6	Circlip	
341	91514185	6	Gear, Planet	
342	91514186	6	Bearing	
343	7026731	2	Carrier, Planetary Gear	
345	91514188	2	Plug	
346	91514189	4	Bolt, Countersunk	
347	91514179	16	Nut	
348	91514180	16	Stud	
349	91514181	2	O-Ring	
351	91514183	20	Stud, Wheel	
352	70025972	2	Carrier, Planet Gear (Includes Items 501, 502, 504 & 505)	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
362	70026239	1	Carrier, Steering (Includes Items 315)	
363	70030026	1	Carrier, Steering (Includes Items 315)	
364	7028733	4	Bolt, Steering Adjust (Includes Items 326-327)	
366	70024146	4	Support, Ring Gear (Includes Items 336-338)	
370	70028882	2	Carrier, Planet Gear (Includes Items 340-343)	
373	70028392	2	Cover	
		Ref	STEERING ASSEMBLY	
401	7026490	1	Cylinder	
402	80204143	2	O-Ring	
403	70021614	2	Bar	
404	80204144	5	Bolt	
410	7029127	1	Kit, Seal	
		Ref	TRUNION ASSEMBLY	
501	7029290	2	Bushing	
502	91514090	1	Bushing, Thrust	
504	70024881	1	Fitting, Grease	
505	80204117	1	Plug	
506	70026266	Ref	Kit, Support (Includes Items 501, 502, 504 & 505)	

FIGURE 5-67. LSI AXLE SENSOR INSTALLATION

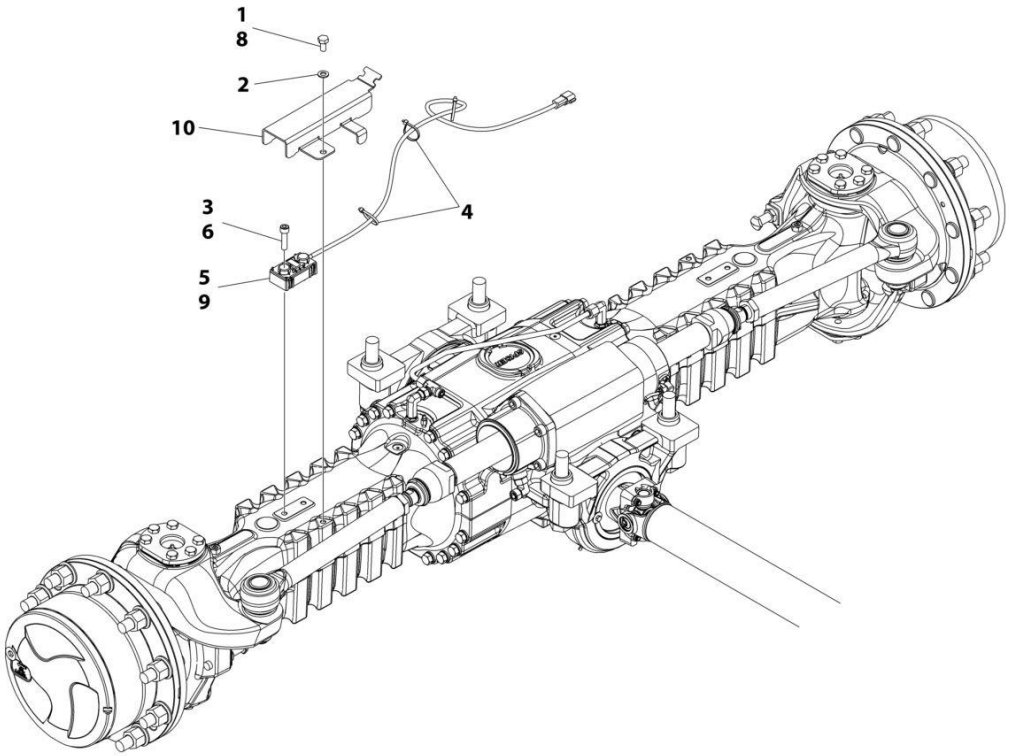


FIGURE 5-67. LSI AXLE SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258644	Ref	LSI Sensor Installation	B
1	0761010	1	Bolt, M10X20	
2	4812000	1	Washer, M10	
3	5272012	2	Bolt, M10X40	
4	1001008559	3	Strap, Cable	
5	1001116128	AR	Seal	
6	1001125465	AR	Locking, Compound	
8	1001289296	AR	Adhesive	
9	1001289105	1	Sensor, Rear Axle	
10	1001290669	1	Bracket	

FIGURE 5-68. LSI REAR AXLE SENSOR INSTALLATION

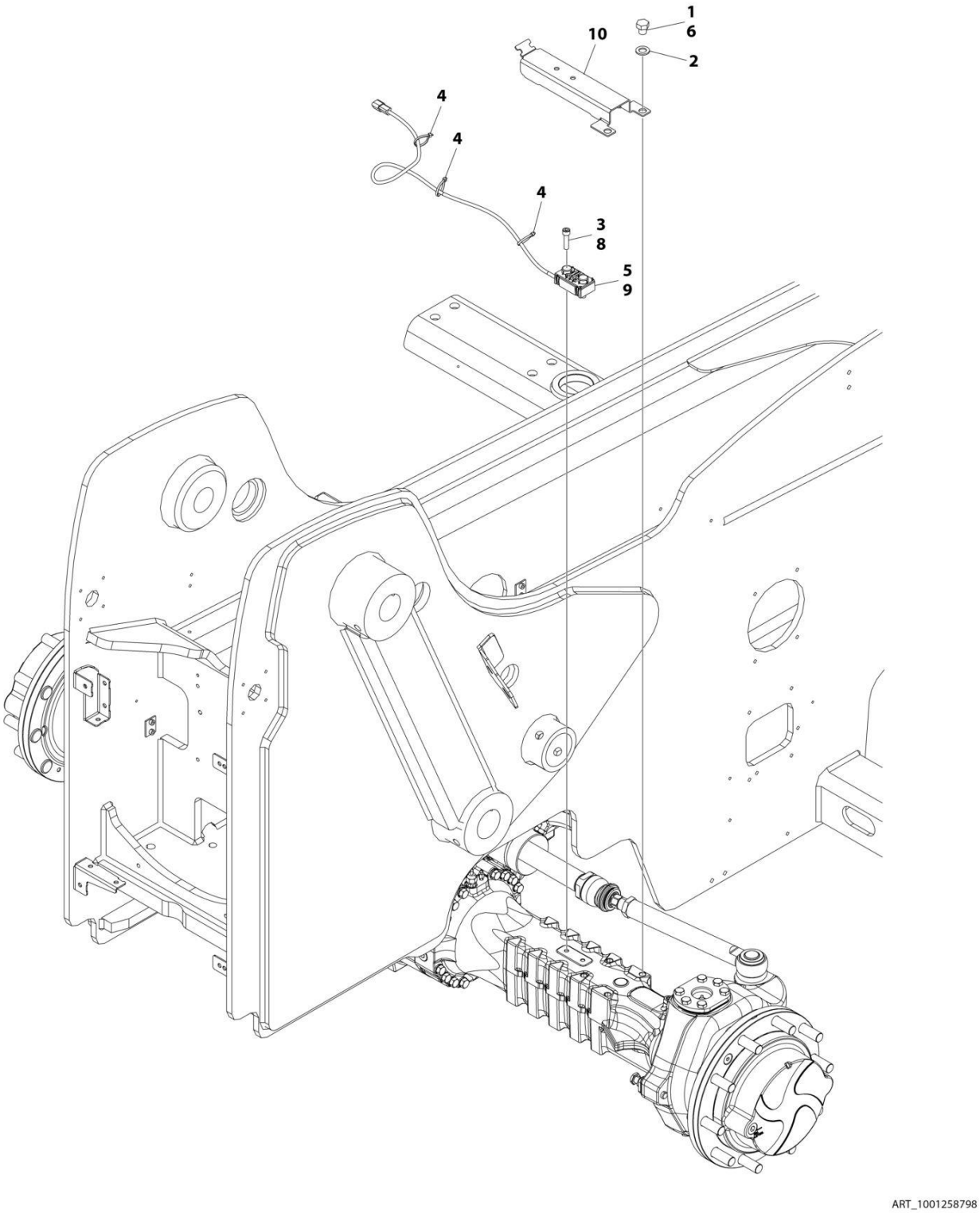


FIGURE 5-68. LSI REAR AXLE SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258798	Ref	LSI AXLE SENSOR INSTALLATION	B
1	0761608	2	Bolt M16 x 16	
2	4812300	2	Washer M16	
3	5272012	2	Bolt M10 x 40	
4	1001008559	3	Strap, Cable	
5	1001116128	AR	Seal	
6	1001125465	AR	Locking, Compound	
8	1001289296	AR	Adhesive	
9	1001289105	1	Sensor, Rear Axle	
10	1001290670	1	Bracket	

FIGURE 5-69. TIRE/WHEEL SET 315/95-28 - SOILD

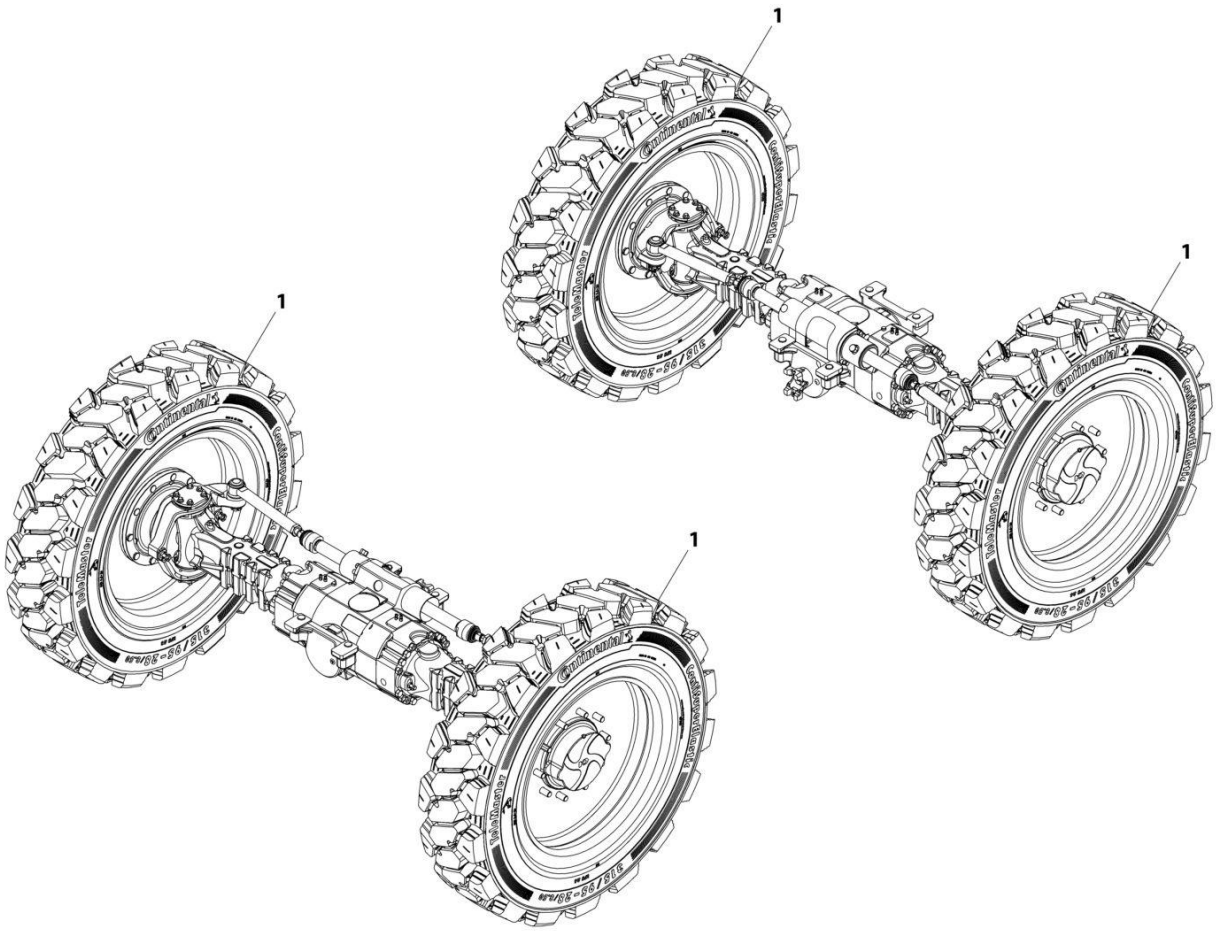


FIGURE 5-69. TIRE/WHEEL SET 315/95-28 - SOILD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221503	1	Tire/Wheel Set 315/95-28 - Solid	A
1	1001213199J	4	Tire/Wheel Solid 315/95-28/8.50 - 8M Offset	

FIGURE 5-70. TIRE/WHEEL SET 370/75-28 PNEUMATIC

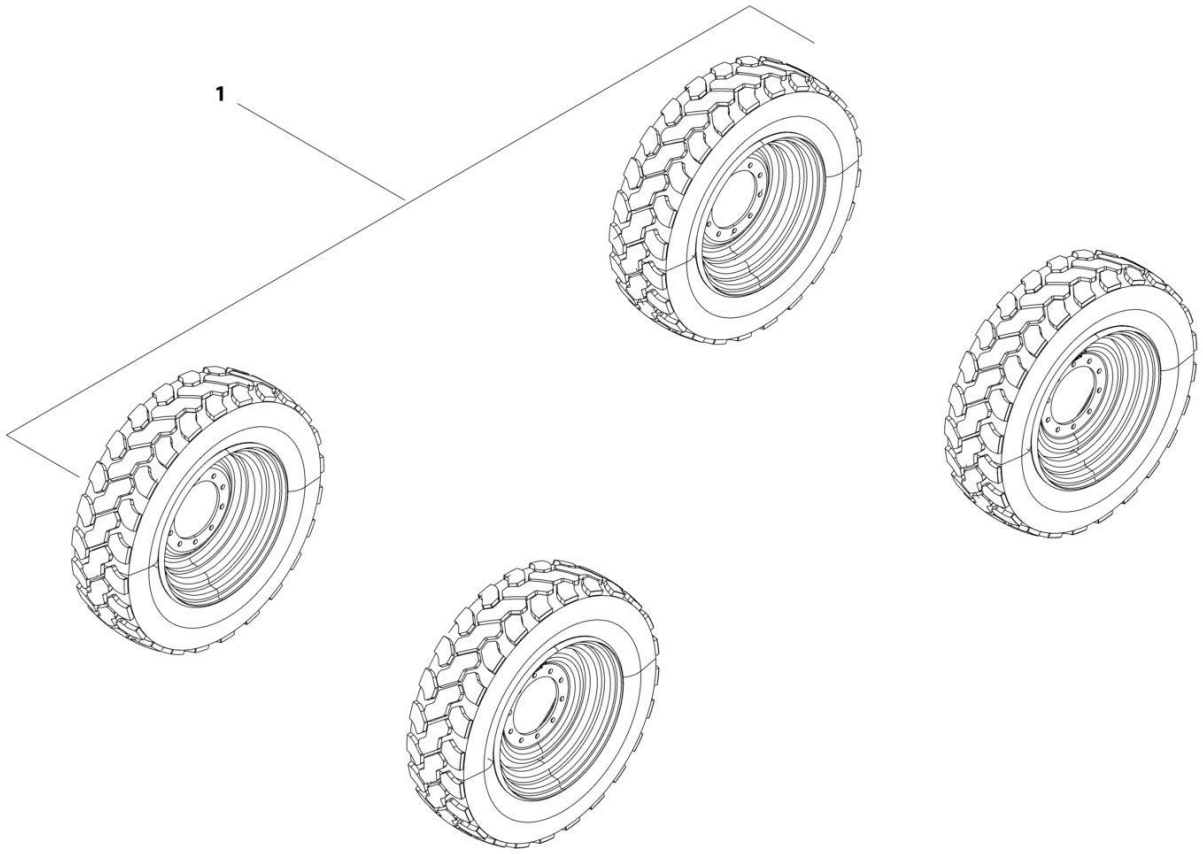


FIGURE 5-70. TIRE/WHEEL SET 370/75-28 PNEUMATIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120963	Ref	Tire/Wheel Set 370/75-28 - Air	B
1	1001100323	4	Assembly, Tire/Wheel 370/75-28 - Air	
1	8786514	4	Valve, Air (1 per assembly)	
1	1001099976	4	Wheel (1 per assembly)	
1	1001100284	4	Tire (1 per assembly)	

FIGURE 5-71. TIRE/WHEEL SET 370/75-28 PNEUMATIC NON-MARKING

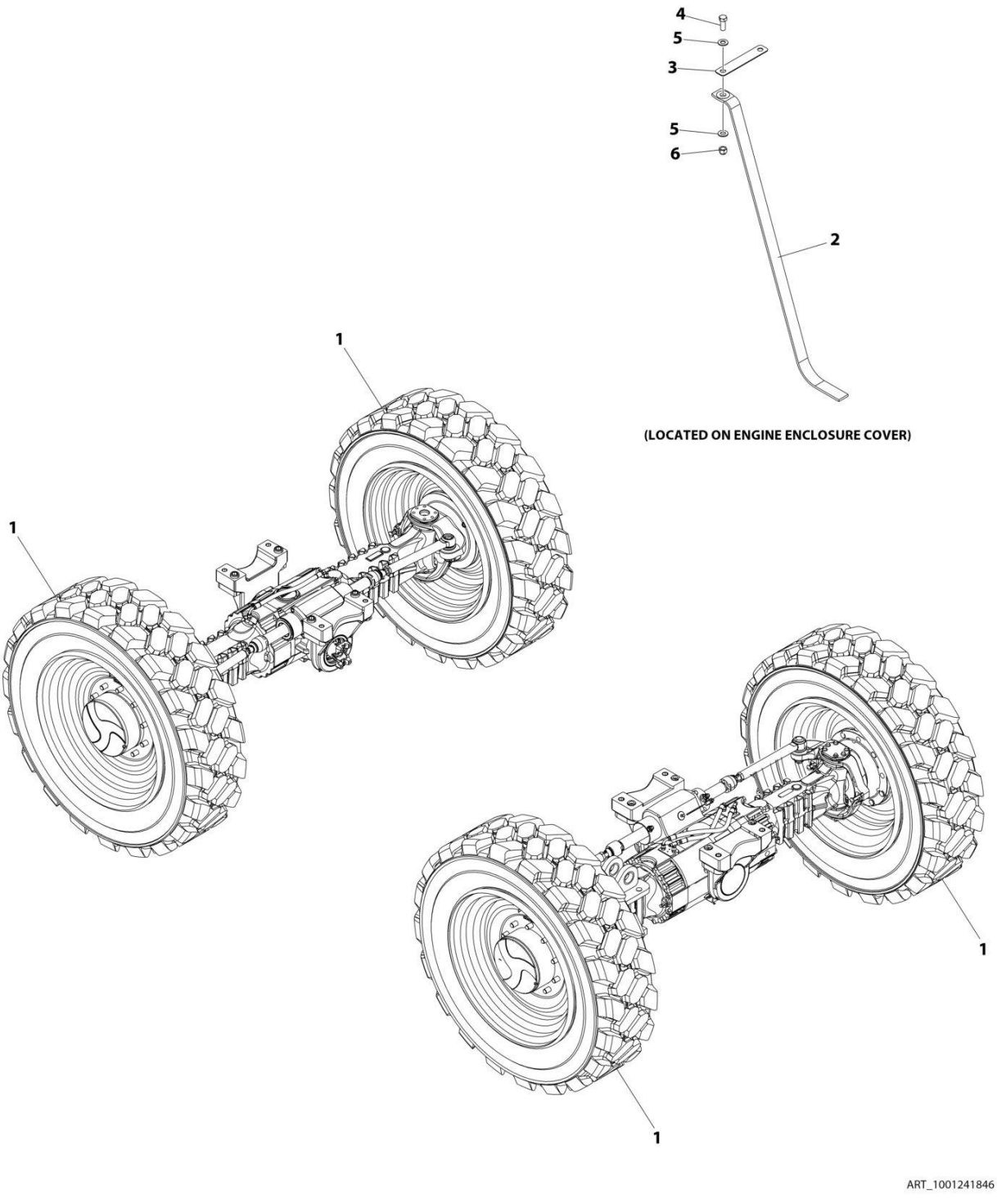


FIGURE 5-71. TIRE/WHEEL SET 370/75-28 PNEUMATIC NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241846	Ref	TIRE SET, 370/75-28 - PNEUMATIC NON-MARKING	B
1	1001241839	4	Tire and Wheel Assembly	
1	8786514	4	Valve, Air (1 per assembly)	
1	1001099976	4	Wheel (1 per assembly)	
1	1001241838	4	Tire 370/75-28 Non-Marking (1 per assembly)	
2	1001275637	1	Strap, Anti-Static	
3	1001275638	1	Bracket, Anti-Static Strap	
4	8303620	1	Bolt 3/8 x 1	
5	8307110	2	Washer 3/8	
6	8305645	1	Nut 3/8	

FIGURE 5-72. TIRE/WHEEL SET 370/75-28 FOAM-FILLED

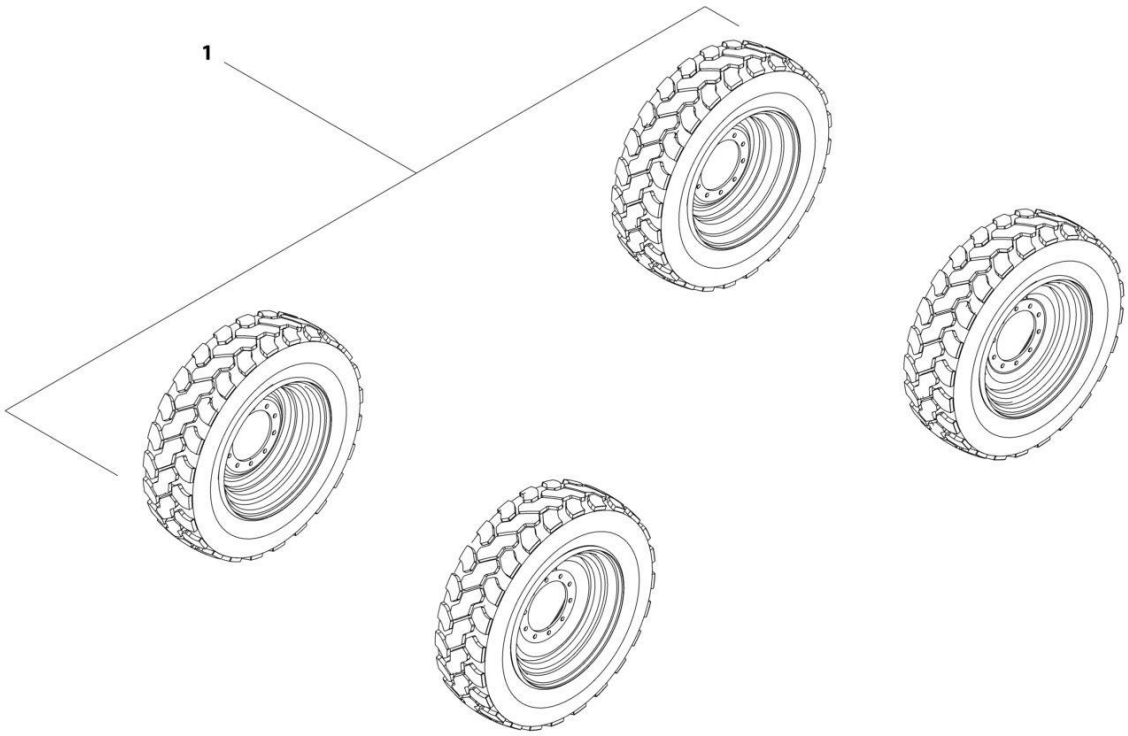


FIGURE 5-72. TIRE/WHEEL SET 370/75-28 FOAM-FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121519	Ref	Tire/Wheel Set 370/75-28 - Foam	B
		Ref	Note: Assemblies require ballast/foam filling to manufacture's specifications prior to installing on machine. Refer to Operation & Safety or Service & Maintenance Manuals.	
		Ref	Purchase individual tire and/or wheel only if able to foam fill tire & wheel assembly, otherwise purchase complete assembly.	
1	1001121101	4	Tire/Wheel Assembly 370/75-28 Foam	
1	8786514	4	Valve, Air (1 per assembly)	
1	1001099976	4	Wheel (1 per assembly)	
1	1001100284	4	Tire 370/75-28 Non-Marking (1 per assembly)	

FIGURE 5-73. TIRE/WHEEL SET 370/75-28 FOAM-FILLED NON-MARKING

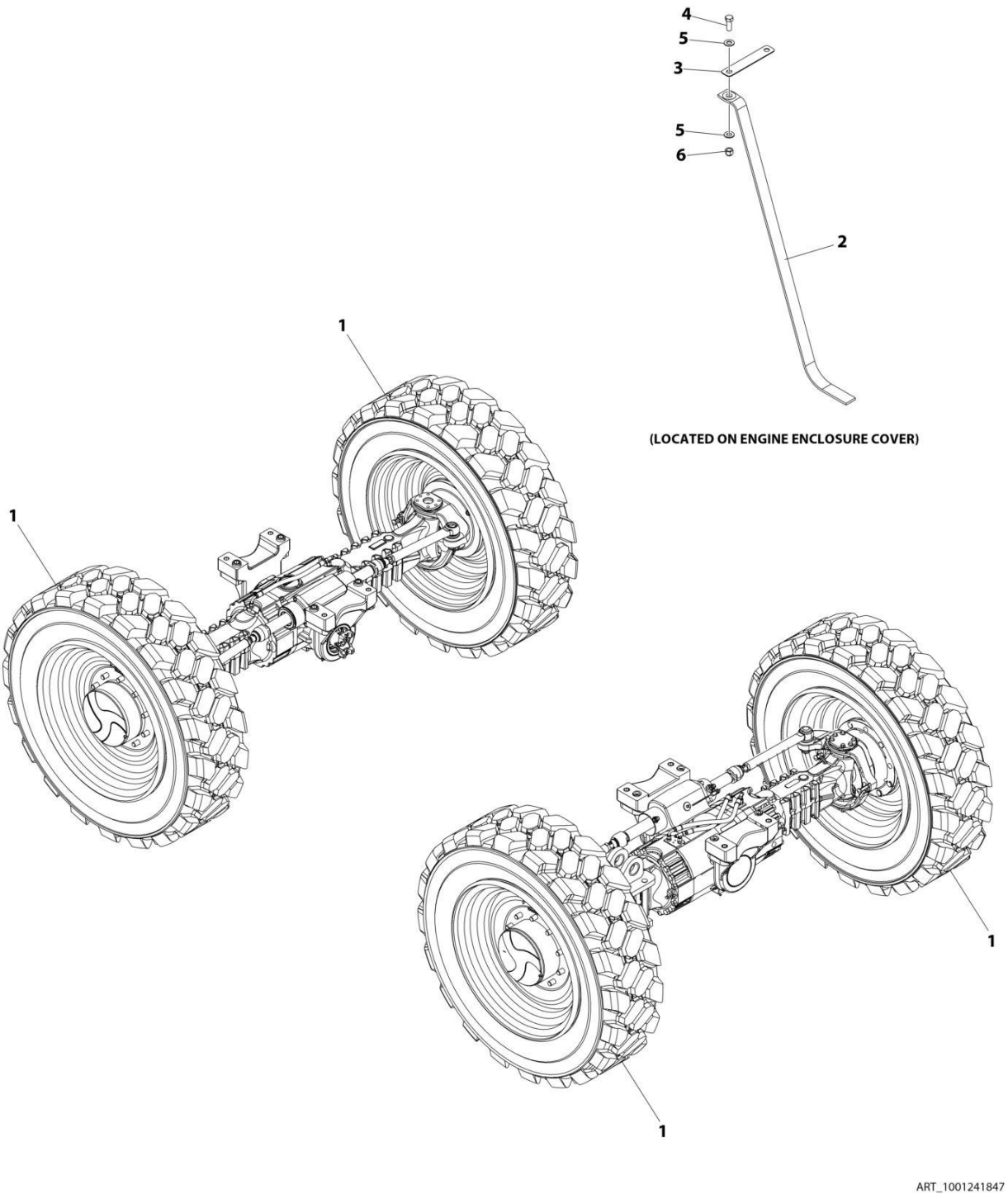


FIGURE 5-73. TIRE/WHEEL SET 370/75-28 FOAM-FILLED NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241847	Ref	TIRE/WHEEL SET, 370/75-28 - FOAM NON-MARKING	B
		Ref	Note: Assemblies require ballast/foam filling to manufacture's specifications prior to installing on machine. Refer to Operation & Safety or Service & Maintenance Manuals.	
		Ref	Purchase individual tire and/or wheel only if able to foam fill tire & wheel assembly, otherwise purchase complete assembly.	
1	1001241840	4	Tire and Wheel, 370/75-28 - Foam Non-Marking	
1	8786514	4	Valve, Air (1 per assembly)	
1	1001099976	4	Wheel (1 per assembly)	
1	1001241838	4	Tire 370/75-28 Non-Marking (1 per assembly)	
2	1001275637	1	Strap, Anti-Static	
3	1001275638	1	Bracket, Anti-Static Strap	
4	8303620	1	Bolt 3/8 x 1	
5	8307110	2	Washer 3/8	
6	8305645	1	Nut 3/8	

FIGURE 5-74. TIRE/WHEEL SET 13-24 SOLIDEAL (DIRECTIONAL)

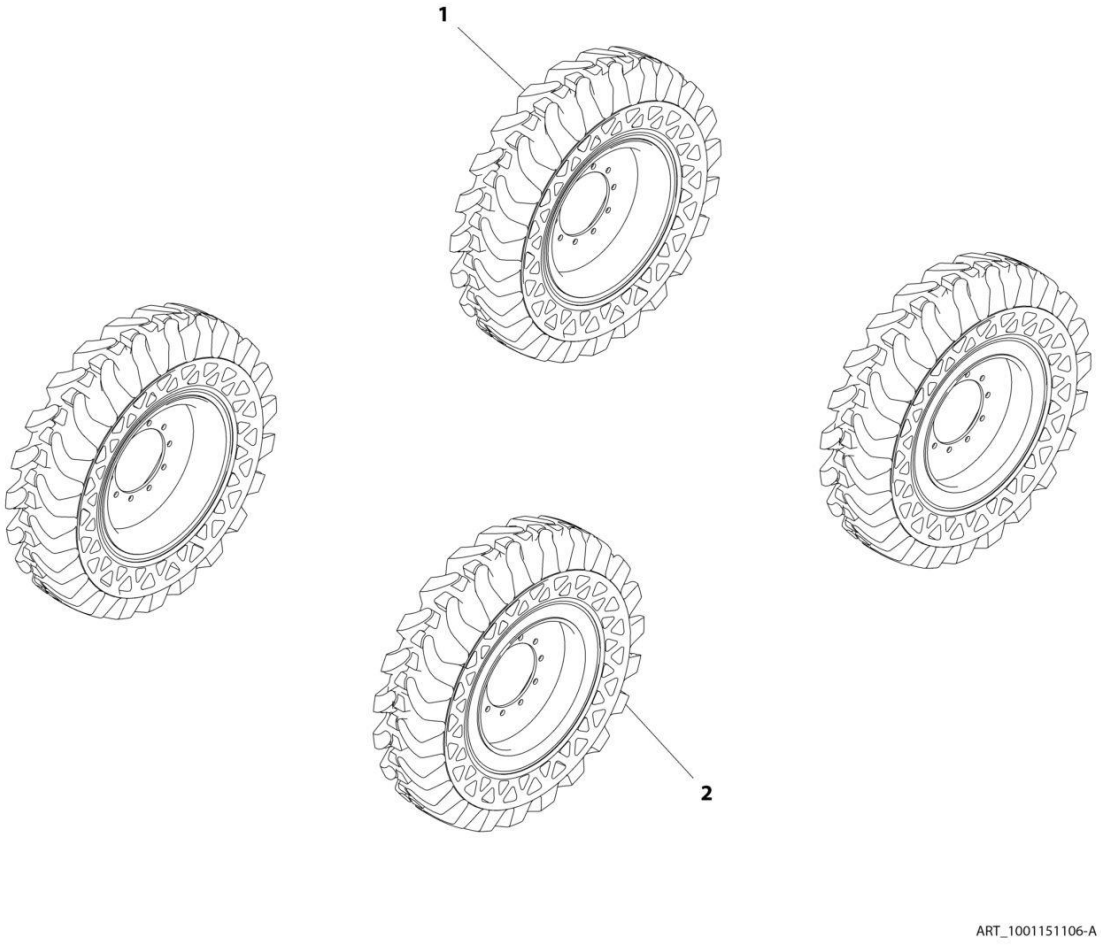


FIGURE 5-74. TIRE/WHEEL SET 13-24 SOLIDEAL (DIRECTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001151106	1	Tire/Wheel Set 13-24 - Solid	A
1	1001151097	2	Tire/Wheel Left 13-24 .219 - Offset	
2	1001151098	2	Tire/Wheel Right 13-24 .219 - Offset	

FIGURE 5-75. TIRE/WHEEL SET 13-28 SOLIDBOSS (DIRECTIONAL)

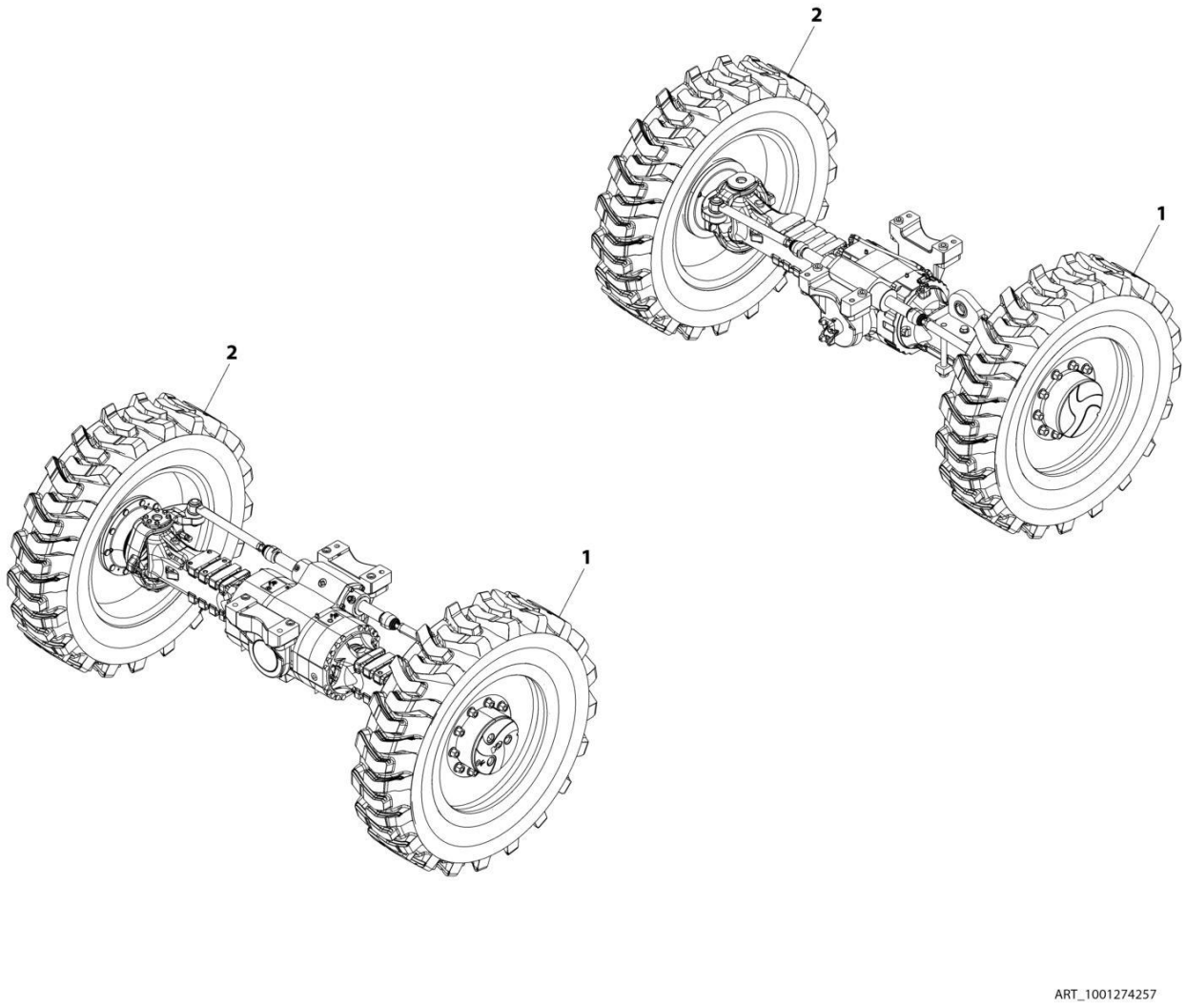


FIGURE 5-75. TIRE/WHEEL SET 13-28 SOLIDBOSS (DIRECTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274257	Ref	TIRE/WHEEL SET 13-28 SOLIDBOSS (DIRECTIONAL)	A
1	1001274255	2	Tire/Wheel Left 13X28 - Solid	
2	1001274256	2	Tire/Wheel Right 13X28 - Solid	

FIGURE 5-76. TIRE/WHEEL SET 13-28 SOLIDBOSS (NON-DIRECTIONAL)

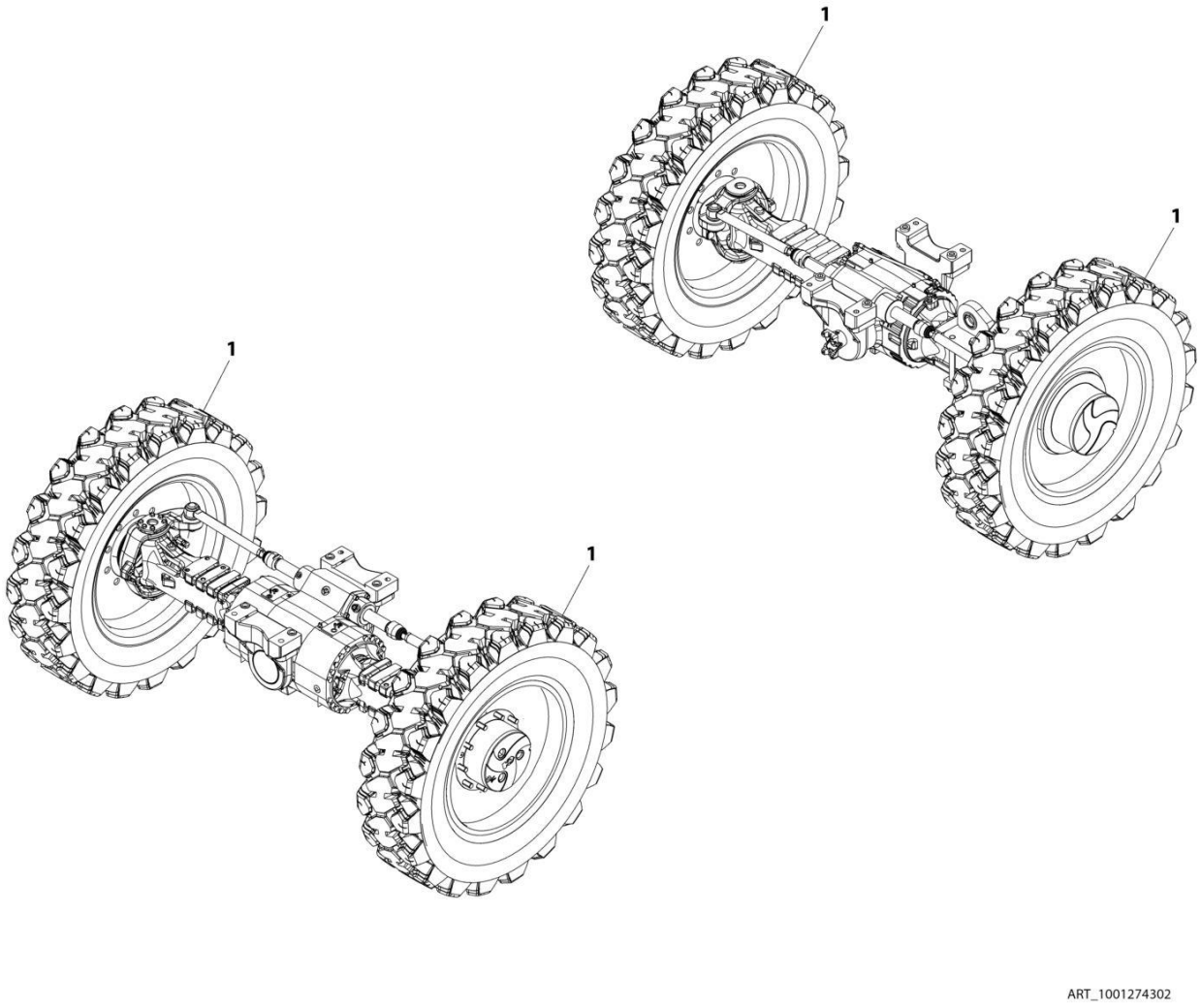


FIGURE 5-76. TIRE/WHEEL SET 13-28 SOLIDBOSS (NON-DIRECTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274302	Ref	TIRE/WHEEL SET 13-28 SOLIDBOSS (NON-DIRECTIONAL)	A
1	1001274301	4	Tire/Wheel 13X28 - Solid	

FIGURE 5-77. TIRE/WHEEL SET 14-24 16PR - PNEUMATIC

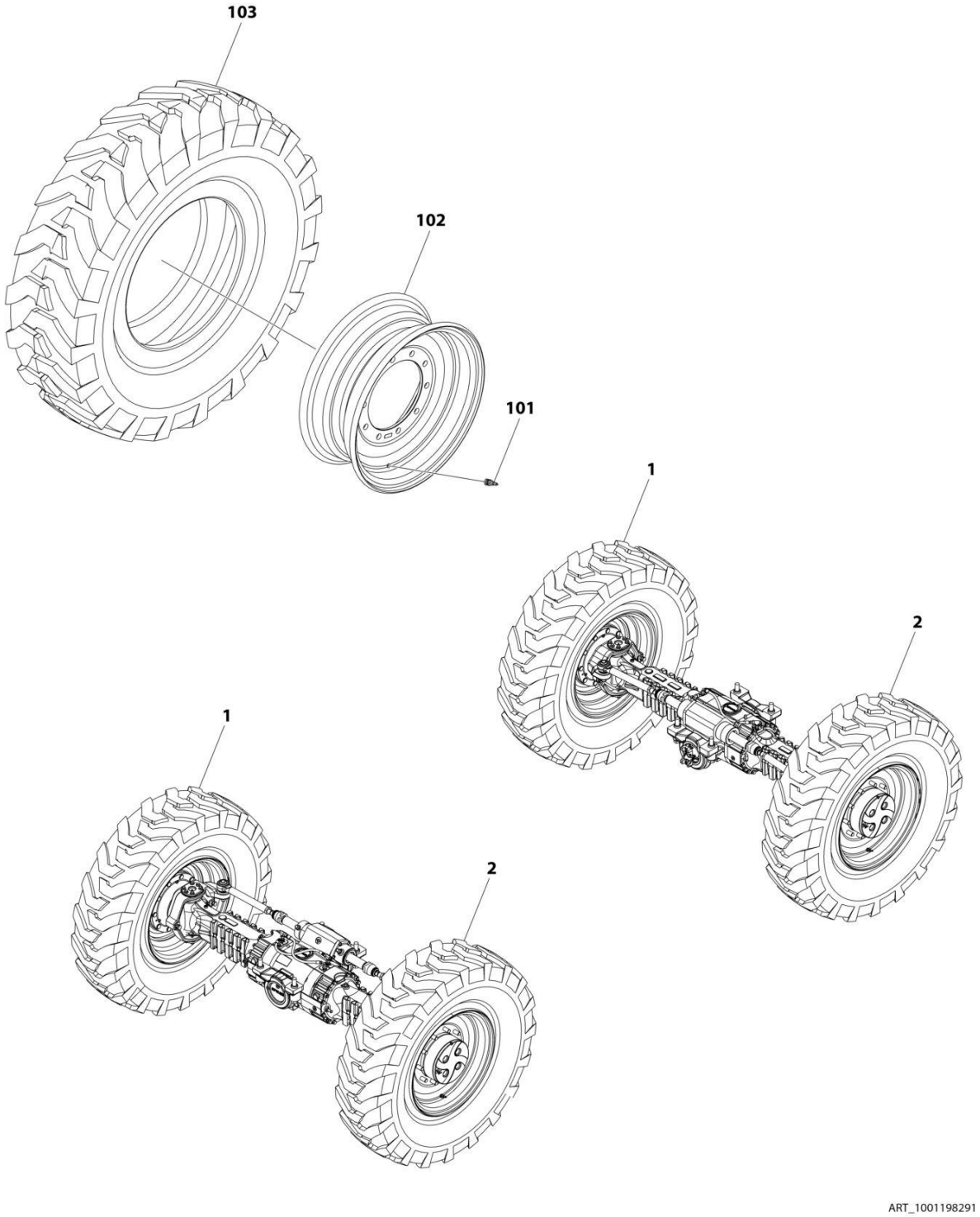


FIGURE 5-77. TIRE/WHEEL SET 14-24 16PR - PNEUMATIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001198291	Ref	TIRE/WHEEL SET 14-24 16PR - AIR	A
1	1001197715	2	Assembly, Tire/Wheel Right 14-24 16PR - Air (Includes Item 101-103)	
2	1001197716	2	Assembly, Tire/Wheel Left 14-24 16PR - Air (Includes Item 101-103)	
101	8786514	4	Valve, Stem (1 per assembly)	
102	91473206	4	Wheel, 24 x 9.00 GR (1 per assembly)	
103	1001197709	4	Tire, 14.00 x 24 TG 16 PLY BIAS G2 (1 per assembly)	

FIGURE 5-78. TIRE/WHEEL SET 14-24 12PR - FOAM-FILLED

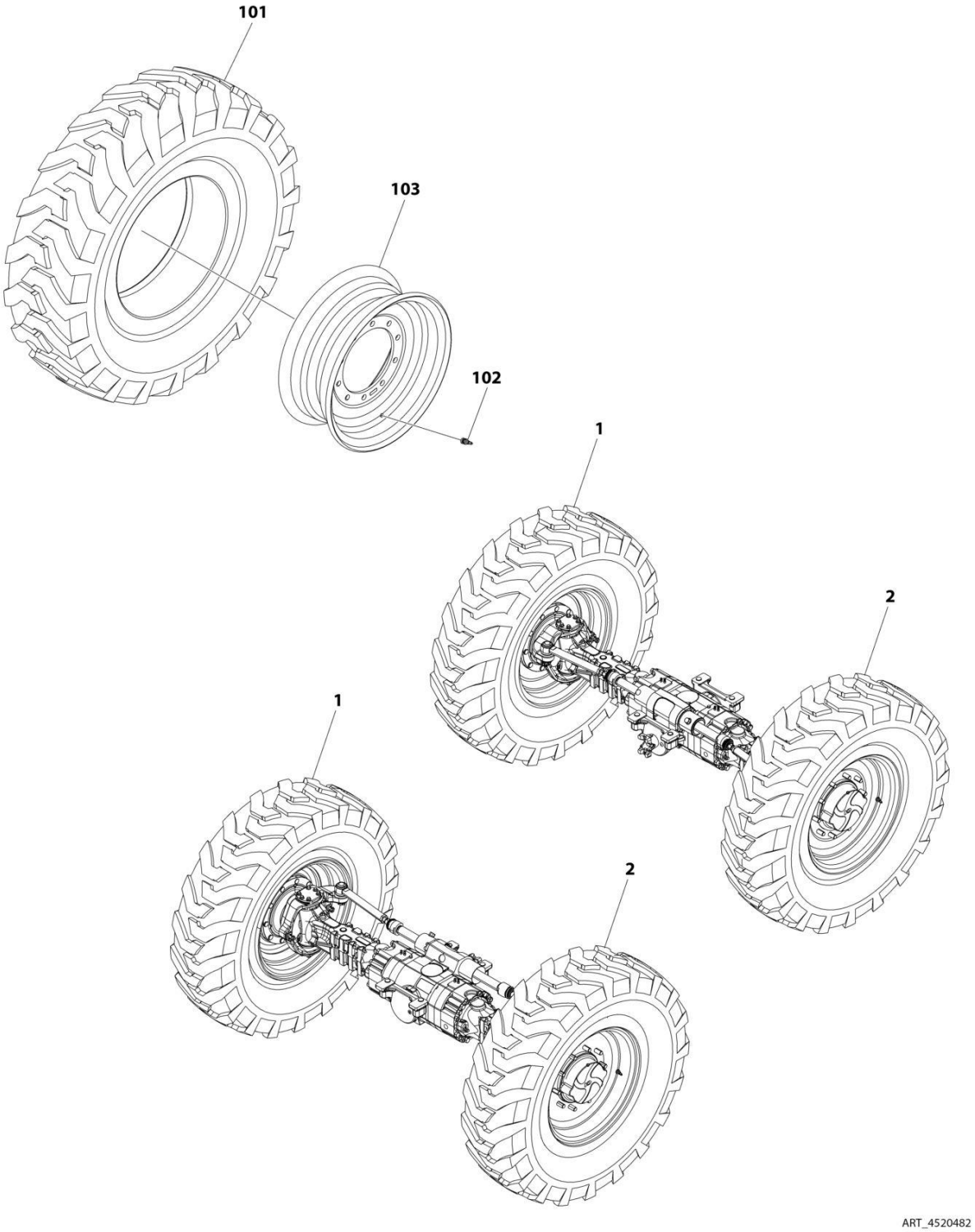


FIGURE 5-78. TIRE/WHEEL SET 14-24 12PR - FOAM-FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4520482	Ref	TIRE/WHEEL SET - 14.00-24 FOAM FILLED	C
		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	91355037	2	Tire/Wheel Right 14-24 G-2 - Foam (Includes Item 101-103)	
2	91355038	2	Tire/Wheel Left 14-24 G-2 - Foam (Includes Item 101-103)	
101	91043084	4	Tire, 13.00 x 24 TG 16 PLY G2, BIAS (1 per assembly)	
102	8786514	4	Valve, Stem (1 per assembly)	
103	91473206	4	Wheel, 24 x 9.00 GR (1 per assembly)	

FIGURE 5-79. TIRE/WHEEL SET 14-24 - FOAM-FILLED (E-3) (SUNSHINE)

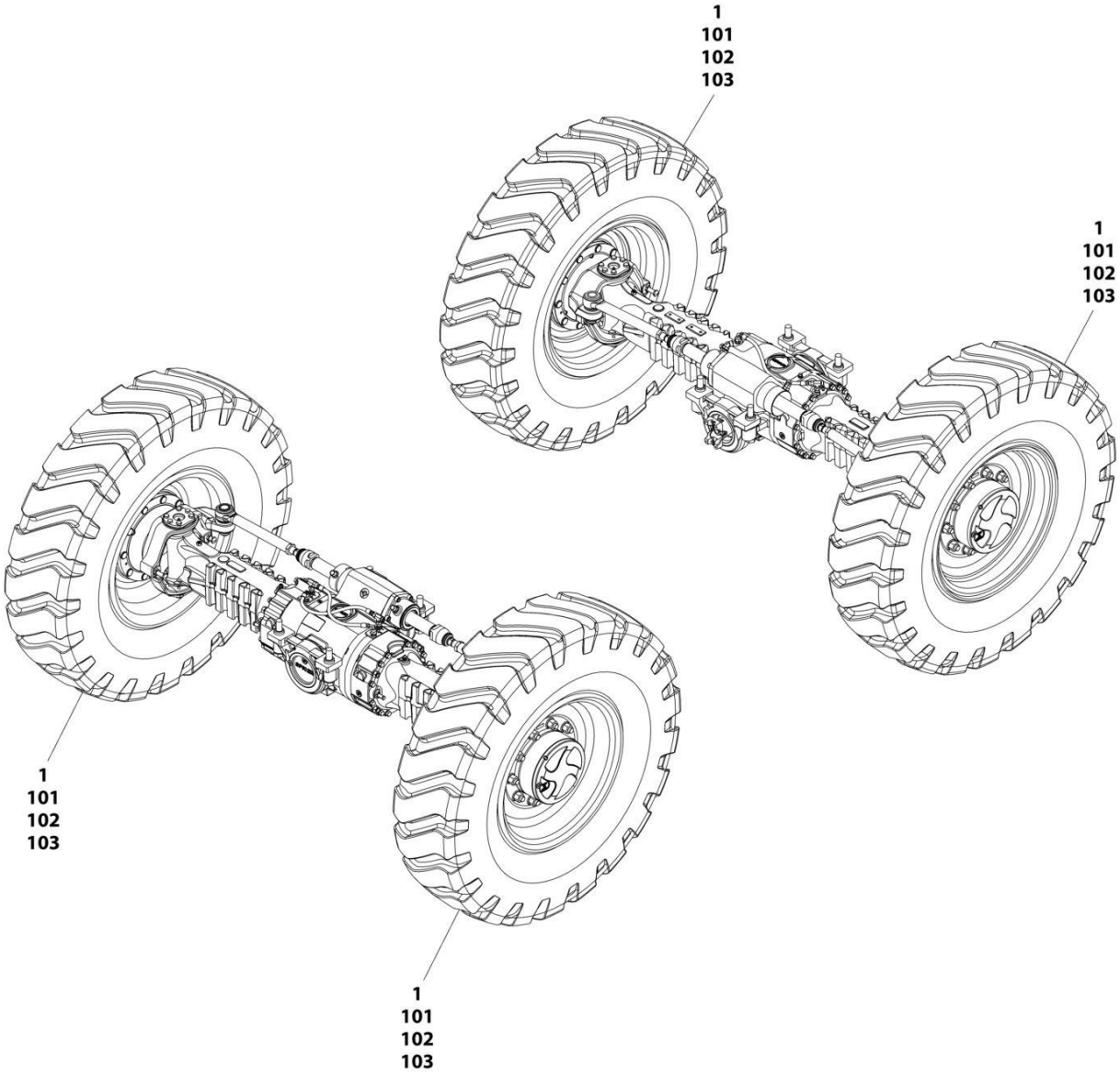


FIGURE 5-79. TIRE/WHEEL SET 14-24 - FOAM-FILLED (E-3) (SUNSHINE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264713	Ref	TIRE WHEEL SET - 14.00-24 - 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	1001264700	4	Tire and Wheel Assembly	
101	8786514	4	Valve, Air (1 per assembly)	
102	91473206	4	Wheel (1 per assembly)	
103	1001263011	4	Tire 14.00-24 (1 per assembly)	

FIGURE 5-80. TIRE/WHEEL SET 14-24 - FOAM-FILLED (E-3) (NON-MARKING) (SUNSHINE)

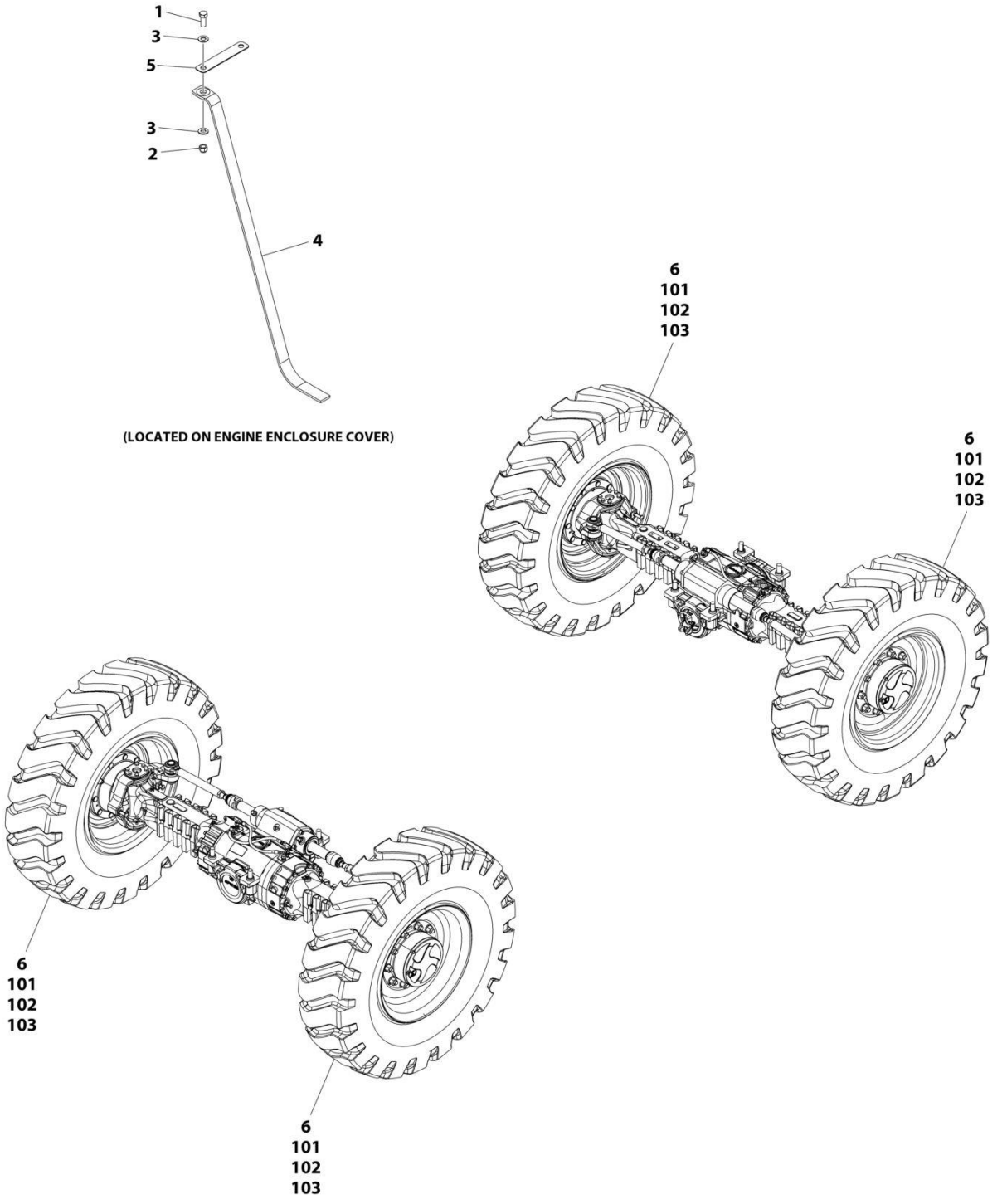


FIGURE 5-80. TIRE/WHEEL SET 14-24 - FOAM-FILLED (E-3) (NON-MARKING) (SUNSHINE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281186	Ref	TIRE/WHEEL SET 14-24 - FOAM-FILLED (E-3) (NON-MARKING) (SUNSHINE)	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	8303620	1	Screw 3/8 x 1	
2	8305645	1	Nut 3/8	
3	8307110	2	Washer 3/8	
4	1001275637	1	Strap, Anti-Static	
5	1001275638	1	Bracket	
6	1001281184	4	Tire and Wheel Assembly	
101	8786514	4	Valve, Air (1 per assembly)	
102	91473206	4	Wheel (1 per assembly)	
103	1001281182	4	Tire 14.00-24 (1 per assembly)	

FIGURE 5-81. TIRE/WHEEL SET 13-24 SOLIDBOSS (DIRECTIONAL)

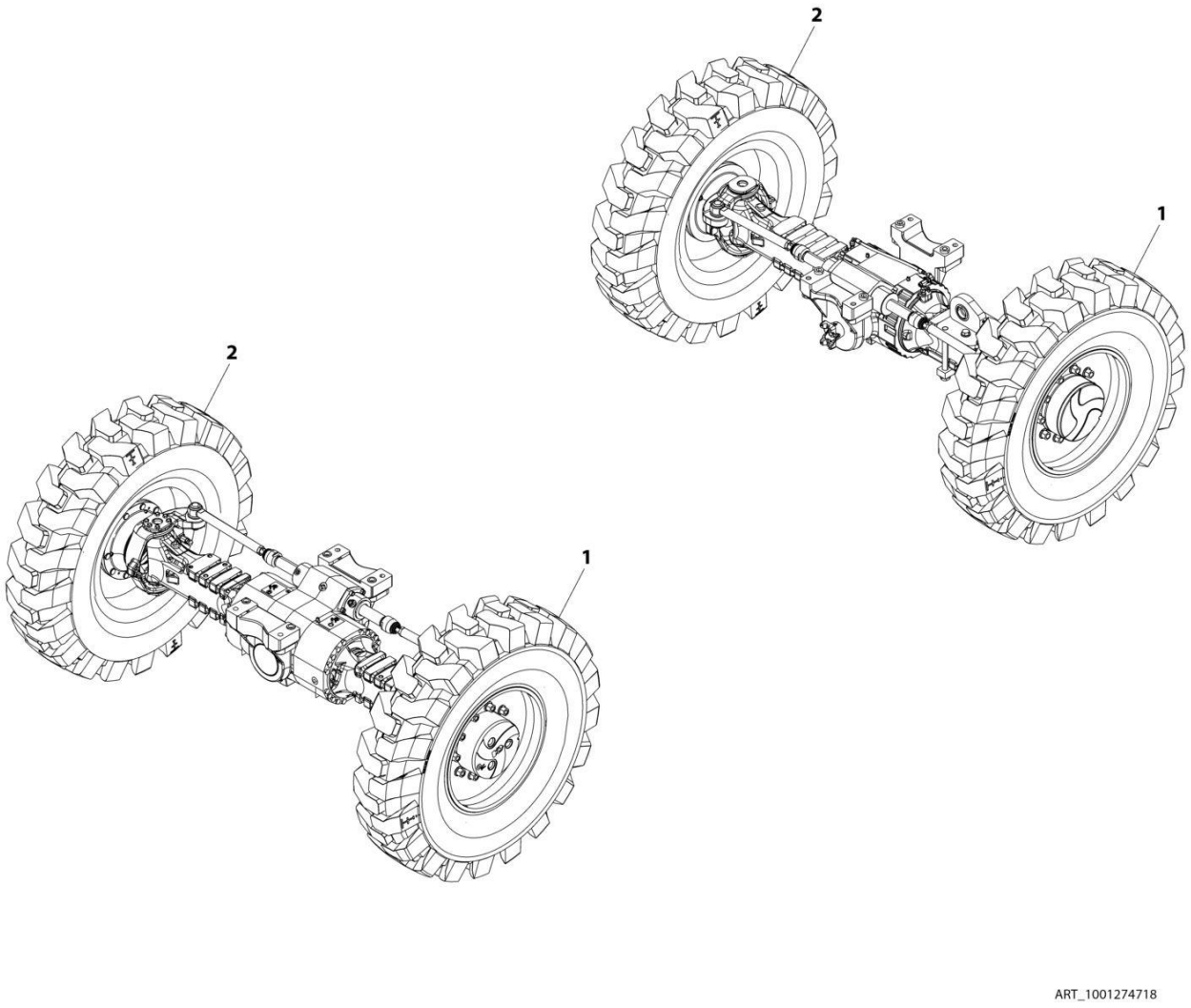


FIGURE 5-81. TIRE/WHEEL SET 13-24 SOLIDBOSS (DIRECTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001274718	Ref	TIRE/WHEEL SET 13-24 SOLIDBOSS (DIRECTIONAL)	A
1	1001274715	2	Tire/Wheel Left 13X24 - Solid	
2	1001274717	2	Tire/Wheel Right 13X24 - Solid	

FIGURE 5-82. TIRE/WHEEL SET 18 X 625 - PNEUMATIC (TURF)

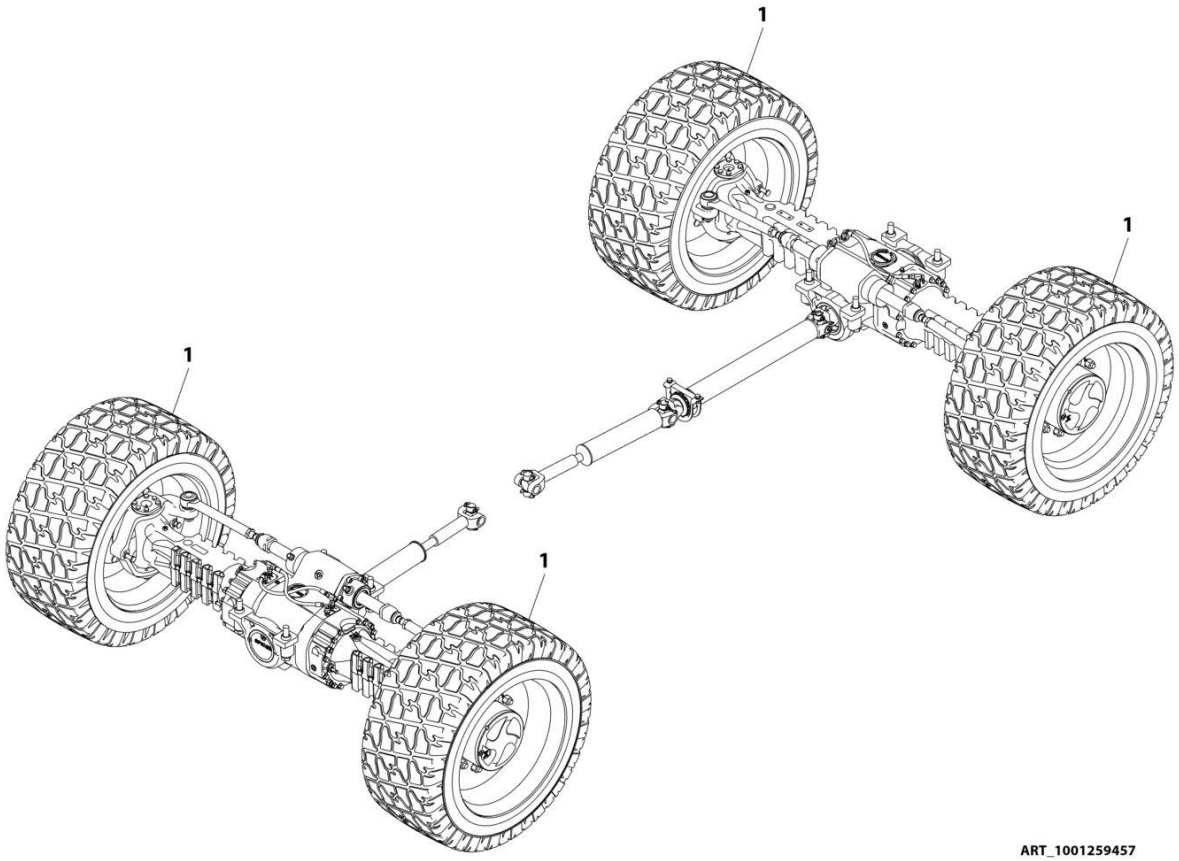


FIGURE 5-82. TIRE/WHEEL SET 18 X 625 - PNEUMATIC (TURF)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259457	Ref	TIRE SET - 18 X 625 (TURF PNEUMATIC)	A
1	1001259635	4	Tire and Wheel Assembly	
1	4520356	4	Tire - 18 x 625 Turf/Sand (1 Per Assembly)	
1	4641122	4	Valve, Air (1 Per Assembly)	
1	1001246001	4	Wheel (1 Per Assembly)	

FIGURE 5-83. FENDER INSTALLATION

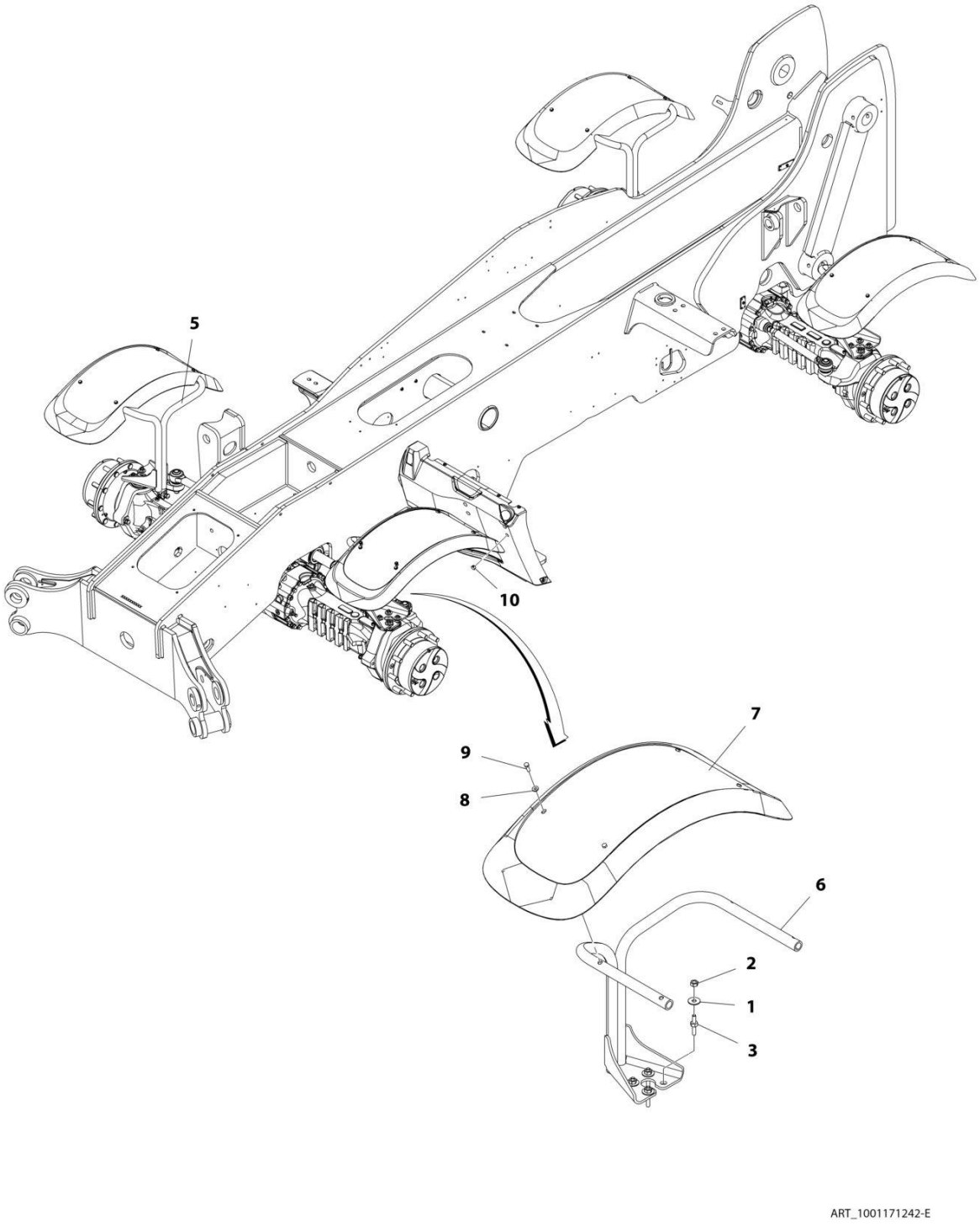


FIGURE 5-83. FENDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171242	Ref	Fender Installation	E
1	4812102	16	Washer, M12	
2	91513266	16	Nut, M12X1.25	
3	91514118	16	Stud, Fender	
5	1001202513	2	RH Bracket	
6	1001202512	2	LH Bracket	
7	1001168264	4	Fender	
8	1001202786	16	Washer	
9	0760812	16	Screw, M8X25	
10	1001208338	4	Plug	

FIGURE 5-84. WHEEL CHOCK INSTALLATION

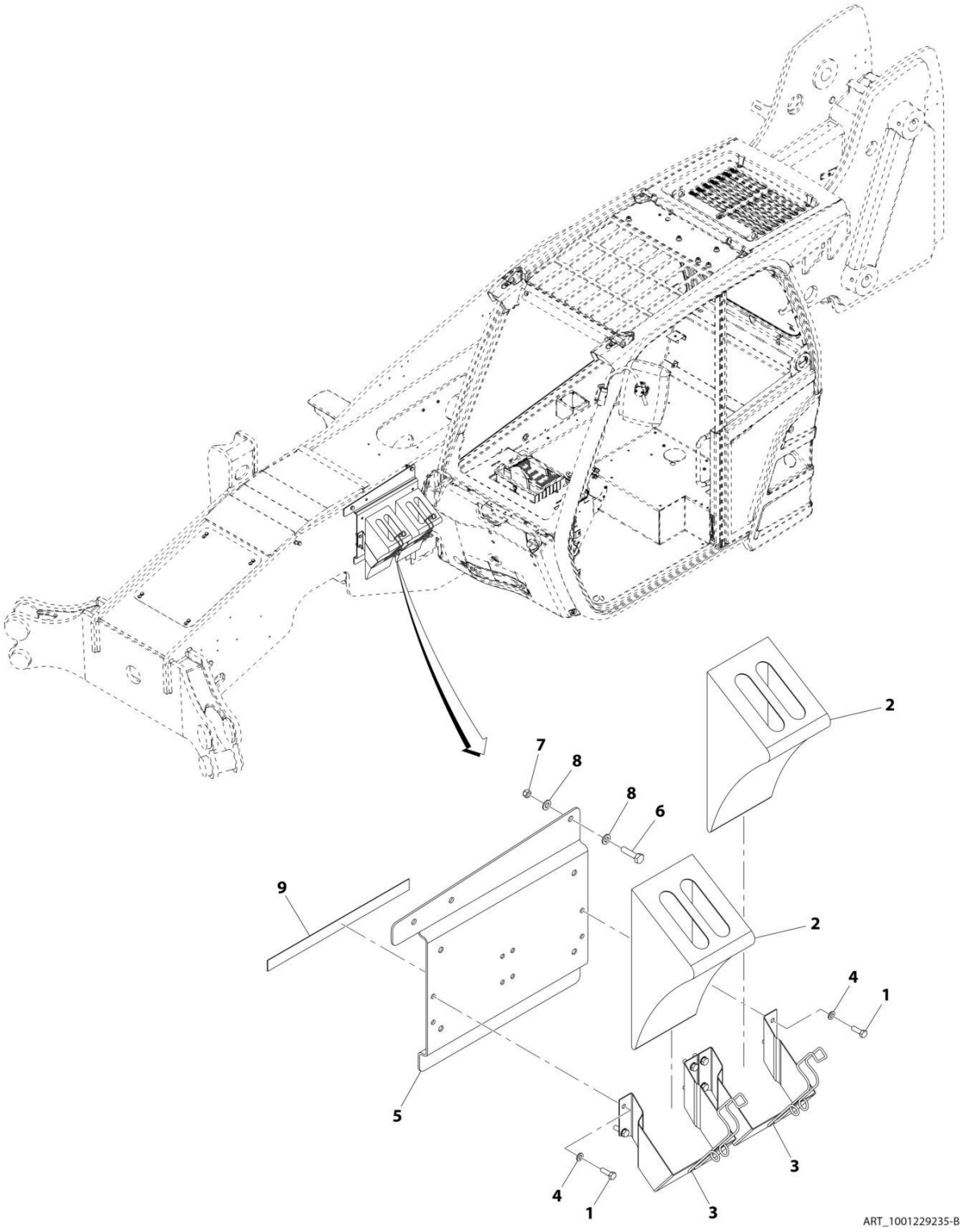


FIGURE 5-84. WHEEL CHOCK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229235	Ref	Wheel Chock Installation (If equipped)	B
1	0700812	8	Screw, 8X25 LG	
2	806253	2	Wedge	
3	806264	2	Holder	
4	4811900	8	Washer, 8mm	
5	1001230713J	1	Bracket	
6	0701016	1	Bolt, M10X40	
7	3290805	1	Nut, Lock M8X1.25	
8	4812000	2	Washer, M10	
9	1001165978	380 mm	Adhesive	

FIGURE 5-85. TOOLBOX INSTALLATION

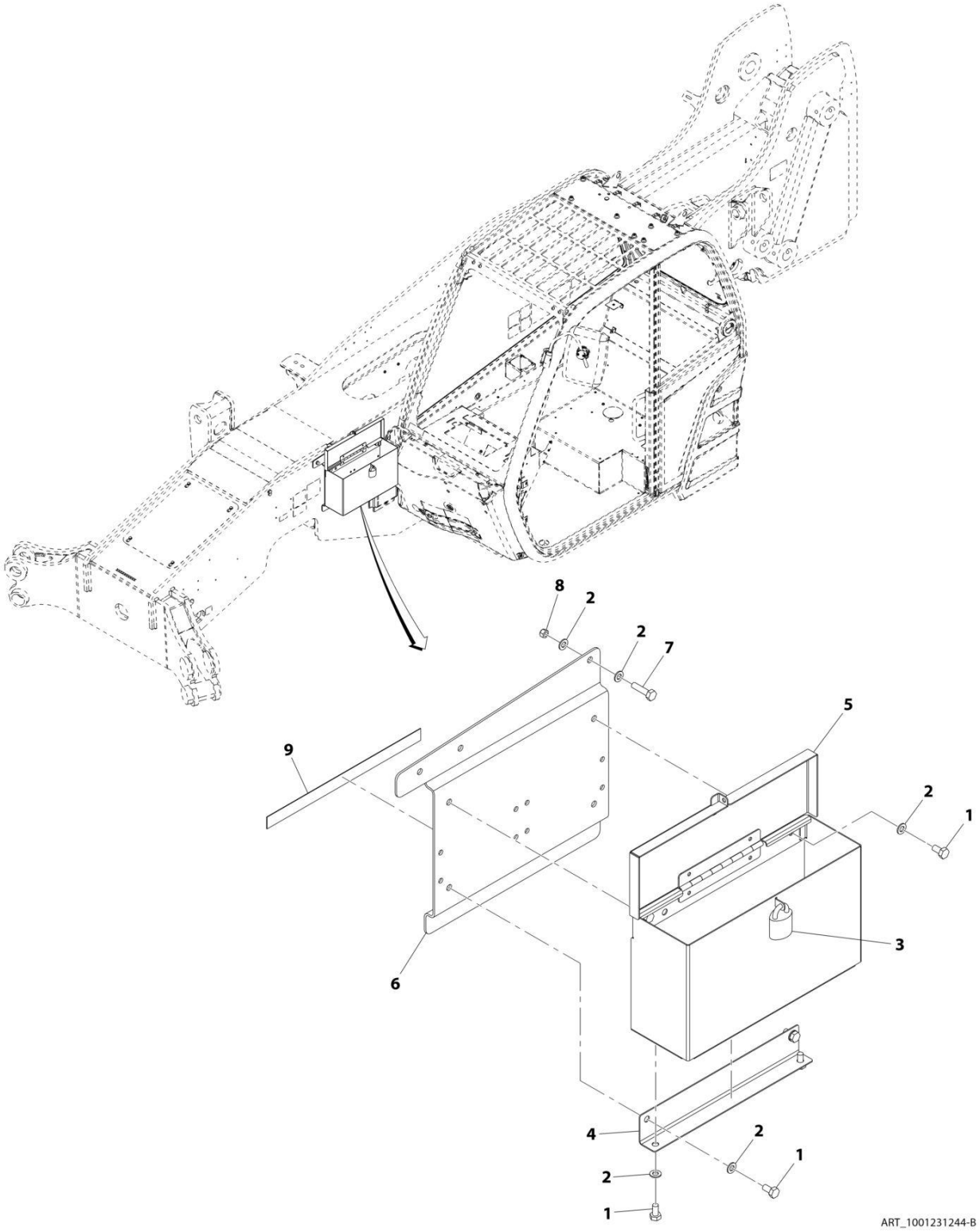


FIGURE 5-85. TOOLBOX INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231244	Ref	ToolBox Installation (If equipped)	B
1	0761010	6	Bolt, M10X20	
2	4812000	8	Washer, M10	
3	1001008687	1	Padlock	
4	1001178729	1	Bracket	
5	1001192836	1	Box	
6	1001230713J	1	Bracket	
7	0701016	1	Bolt, M10X40	
8	3290805	1	Nut, Lock M8X1.25	
9	1001165978	380 mm	Adhesive	

SECTION 6 - CAB

FIGURE 6-1. CAB MOUNTING

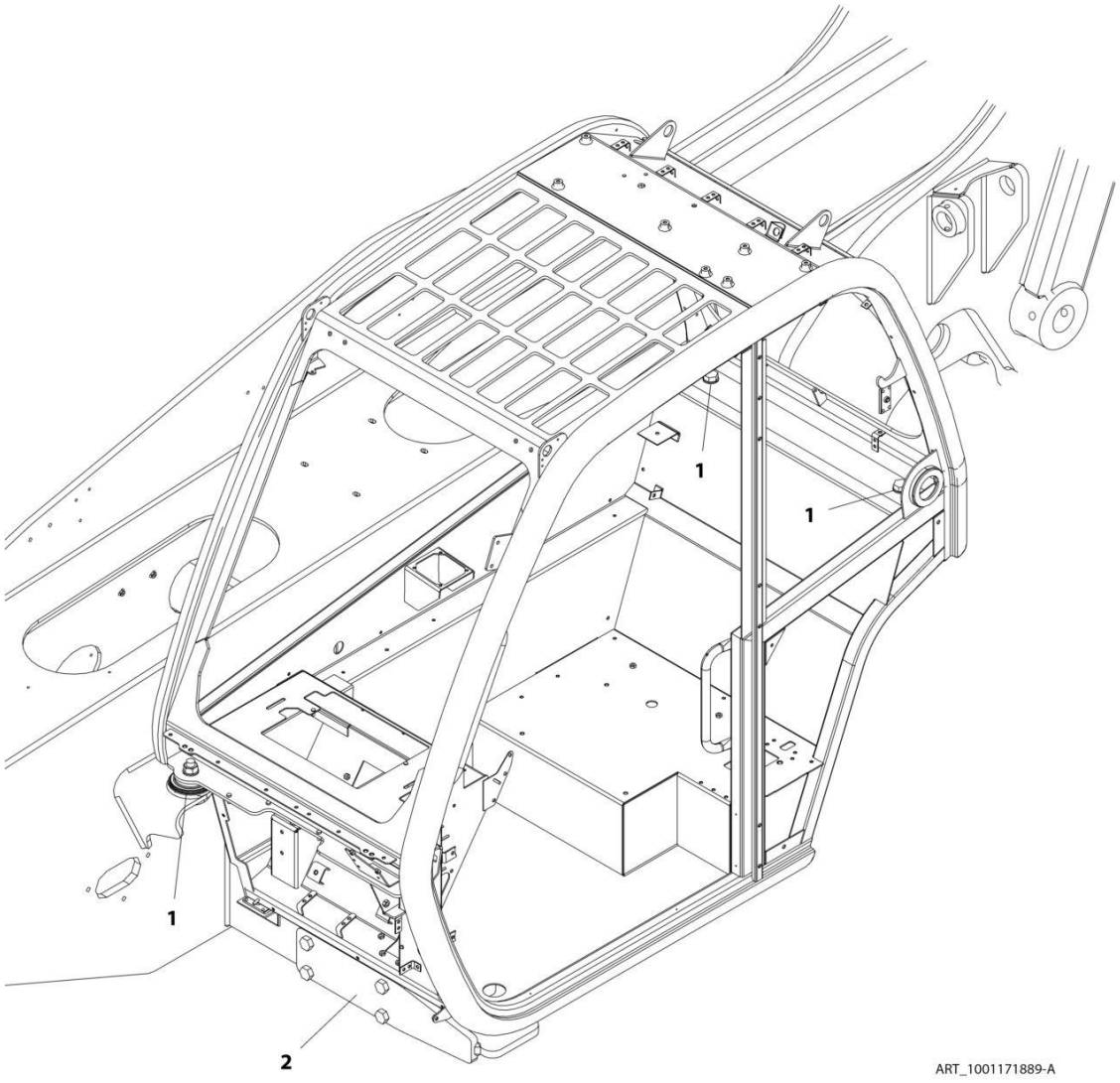


FIGURE 6-1. CAB MOUNTING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171889	Ref	Cab Mounting	A
1	1001155446	1	Installation, Cab Mounts (See Separate Breakdown in this Section)	
2	1001171890	1	Installation, Front Cab Outrigger (See Separate Breakdown in this Section)	

FIGURE 6-2. CAB MOUNTS INSTALLATION

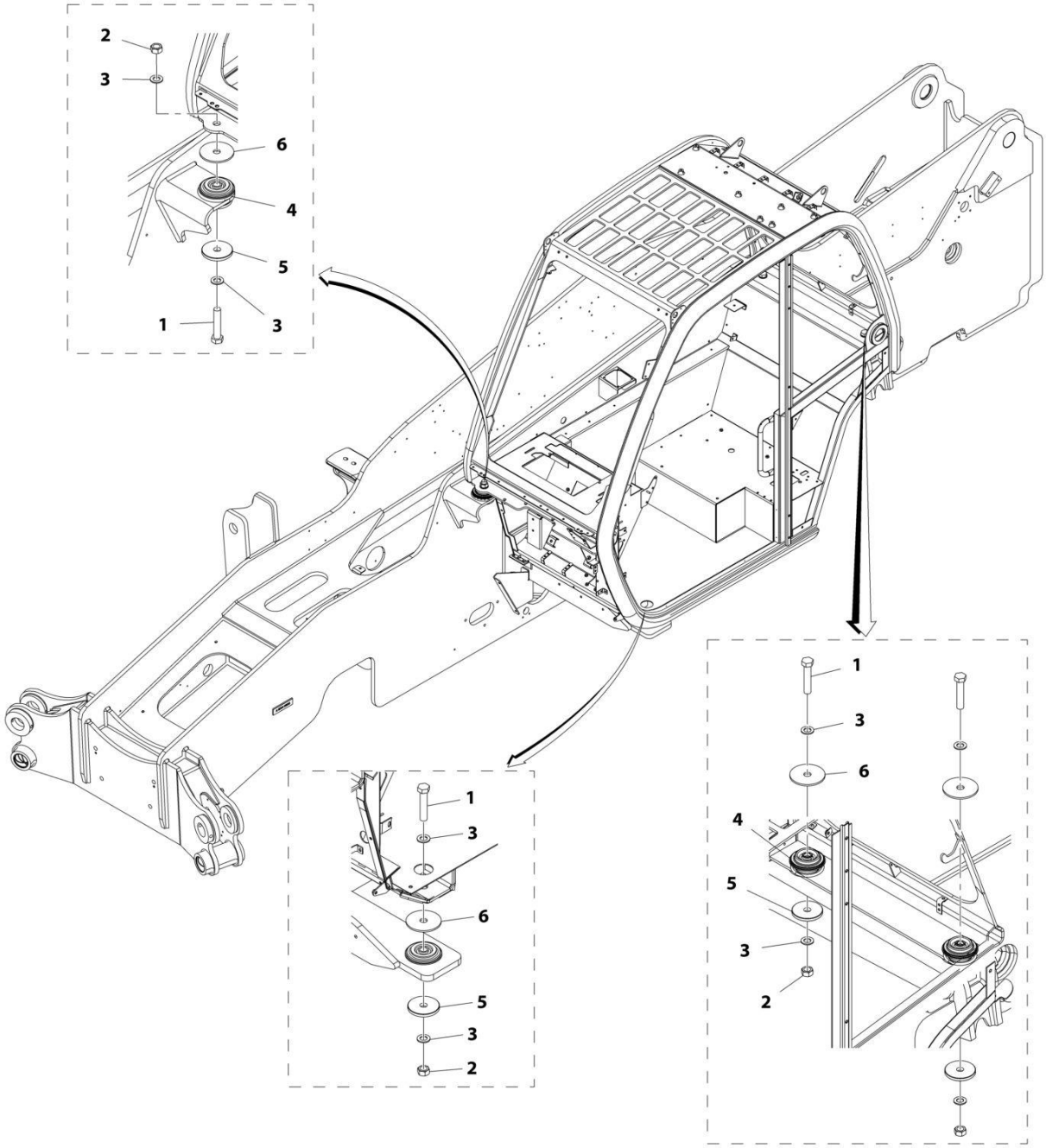


FIGURE 6-2. CAB MOUNTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155446	Ref	Cab Mounts Installation	E
1	0712027	4	Bolt, M20X100	
2	3332011	4	Nut, M20X2.5	
3	4812500	8	Washer, M20	
4	1001166754	4	Mount, Cab Isolation	
5	1001166755	4	Washer, Cab Rebound	
6	1001220540	4	Washer, Cab Mount	

FIGURE 6-3. FRONT CAB OUTRIGGER INSTALLATION

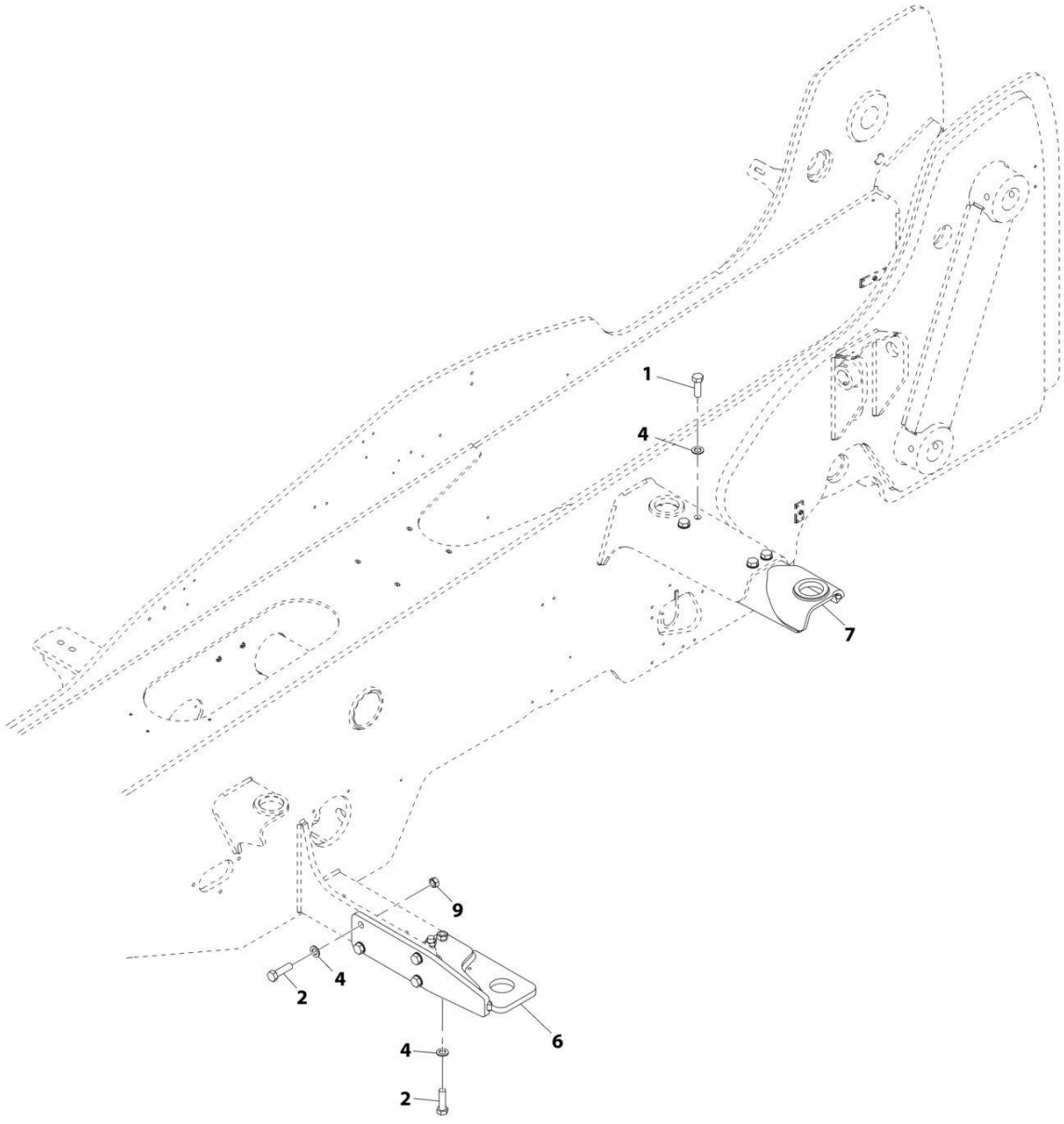


FIGURE 6-3. FRONT CAB OUTRIGGER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171890	Ref	Front Cab Outrigger Installation	E
1	0712020	4	Bolt, M20X60	
2	0712022	6	Bolt, M20X70	
4	4812500	10	Washer, M20	
6	1001208106	1	Bracket, Front Lower Cab	
7	1001210782	1	Bracket, Rear Cab Mount	
9	3292001	4	Hex Nut, M20X2.5	

FIGURE 6-4. CAB FENDER INSTALLATION

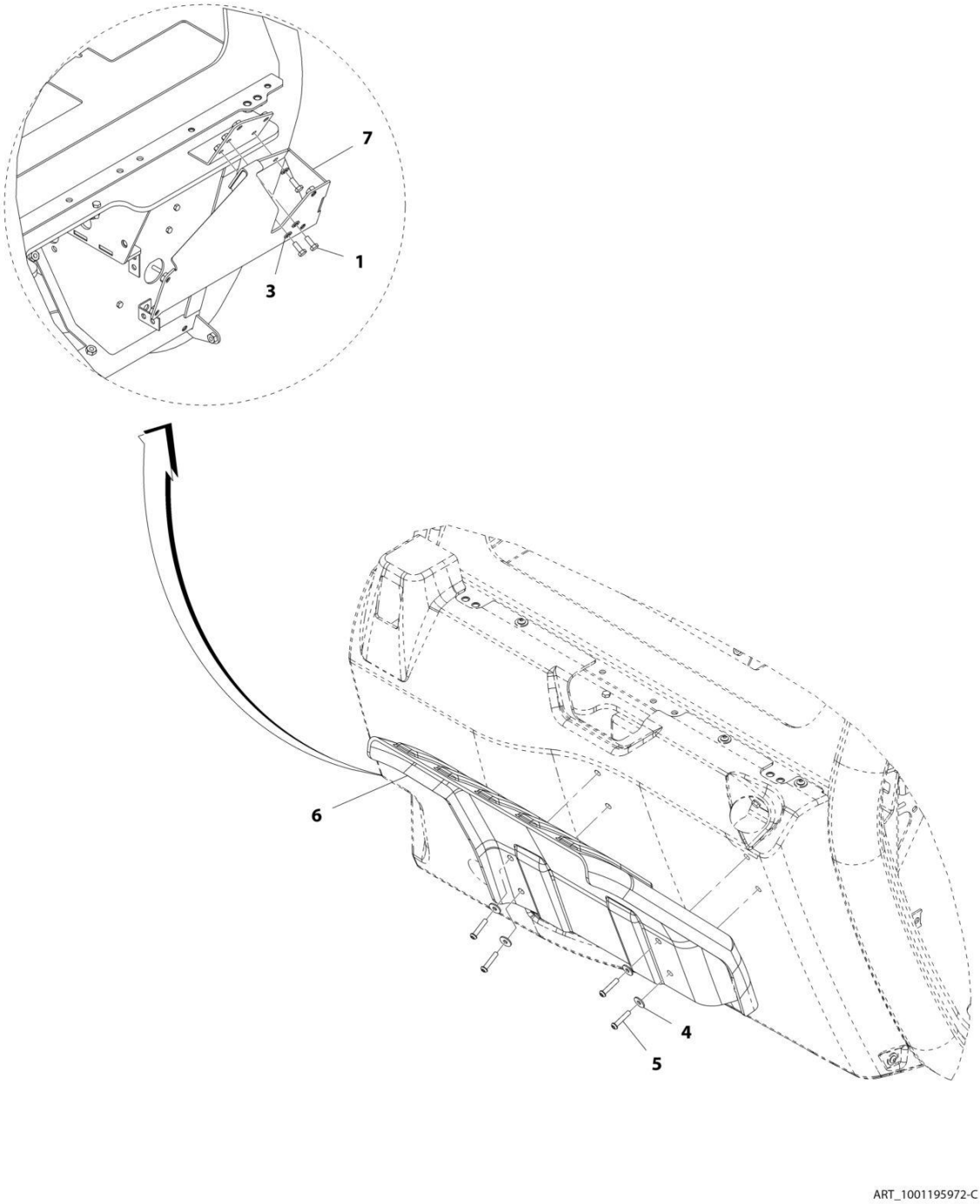


FIGURE 6-4. CAB FENDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195972	Ref	Cab Fender Installation	C
1	0760608	3	Bolt, M6X16	
3	4811700	3	Washer, M6	
4	4811702	4	Washer, M6	
5	1001097202	4	Screw, M6X30	
6	1001187335	1	Fender, Front	
7	1001188048	1	Plate	

FIGURE 6-5. CAB FENDER INSTALLATION REAR (LH)

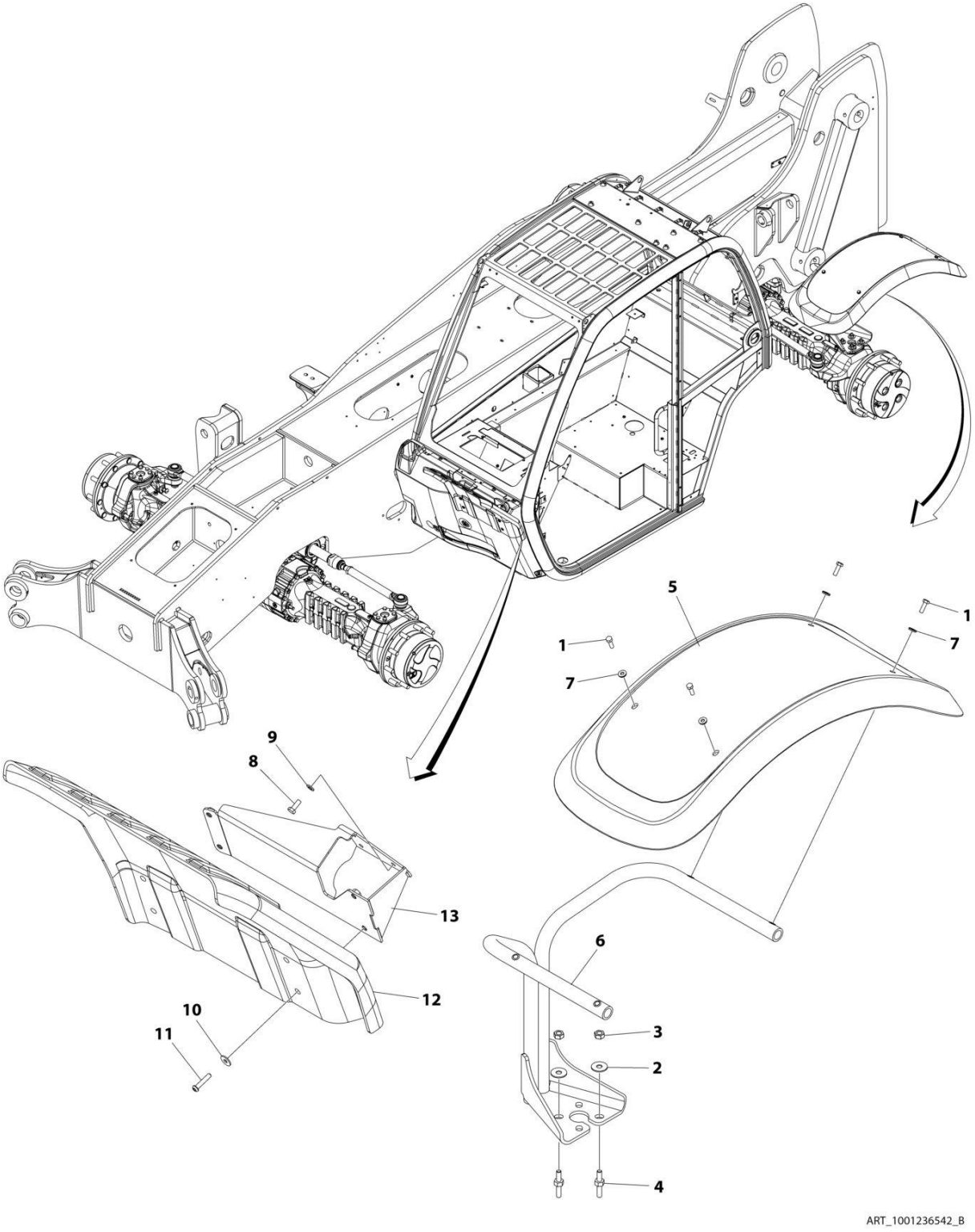


FIGURE 6-5. CAB FENDER INSTALLATION REAR (LH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236542	Ref	Cab Fender Installation Rear (LH)	B
1	0760812	4	Bolt, M8X25	
2	4812102	4	Washer, M12	
3	91513266	4	Nut, M12X1.25	
4	91514118	4	Stud	
5	1001168264	1	Fender	
6	1001202512	1	Bracket	
7	1001202786	4	Washer	
8	0760608	3	Bolt M6 x 16	
9	4811700	3	Washer M6	
10	4811702	4	Washer M6	
11	1001097202	4	Bolt M6 x 30	
12	1001187335	1	Fender, Front	
13	1001188048	1	Plate	

FIGURE 6-6. OROPS CAB INSTALLATION

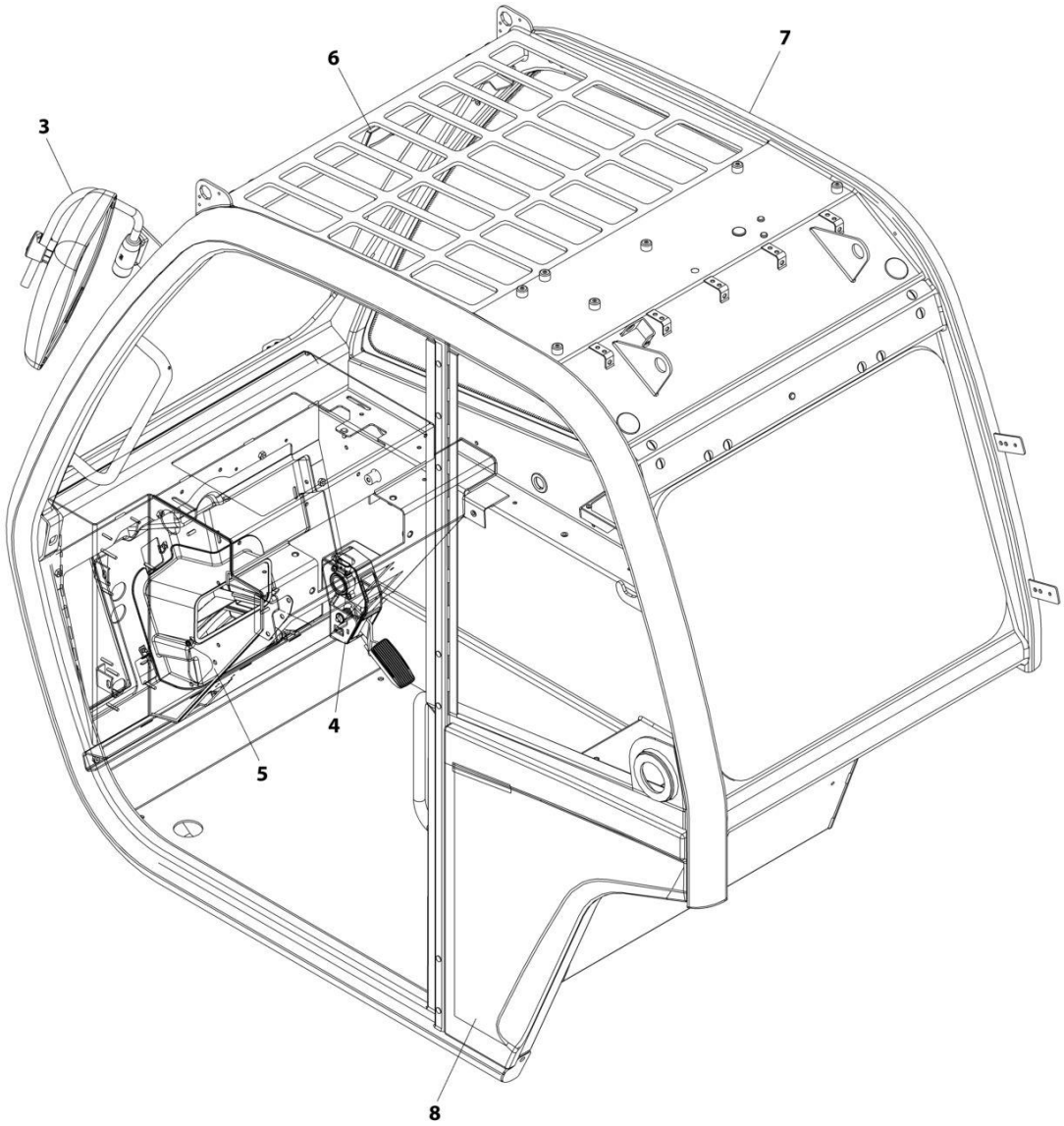


FIGURE 6-6. OROPS CAB INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154984	Ref	OROPS Cab Installation	J
3	1001160508	Ref	Installation, Mirror (See Separate Breakdown in this Section)	
4	1001161499	Ref	Installation, Accelerator Pedal (See Separate Breakdown in Controls Section)	
5	1001293104	Ref	Installation, Front Cover (See Separate Breakdown in this Section)	
6	1001172401	Ref	Installation, Level Indicator (See Separate Breakdown in this Section)	
7	1001214326	Ref	Cab (See Separate Breakdown in this Section)	
8	1001214331	Ref	Installation, Open Cab (See Separate Breakdown in this Section)	

FIGURE 6-7. EROPS CAB INSTALLATION

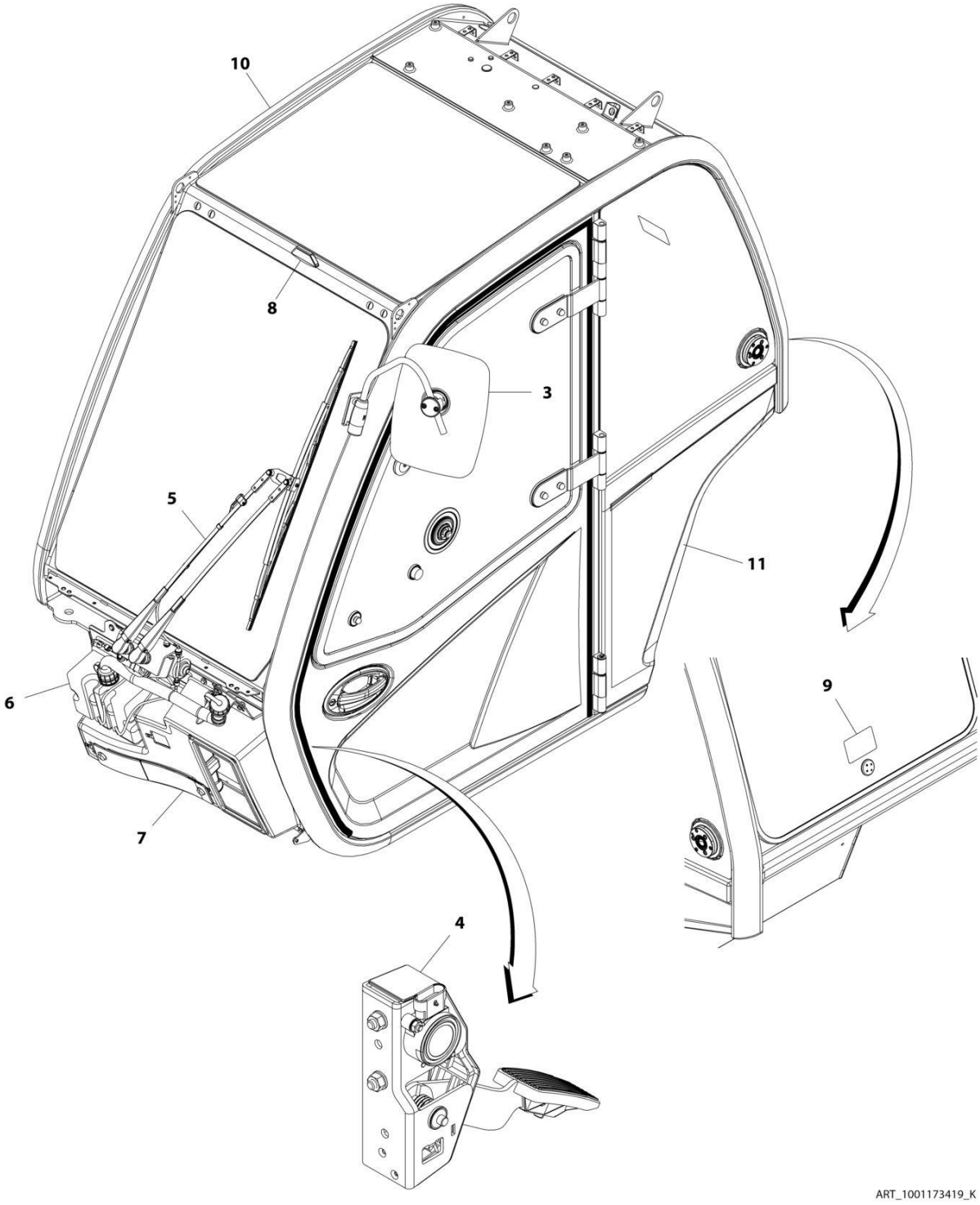
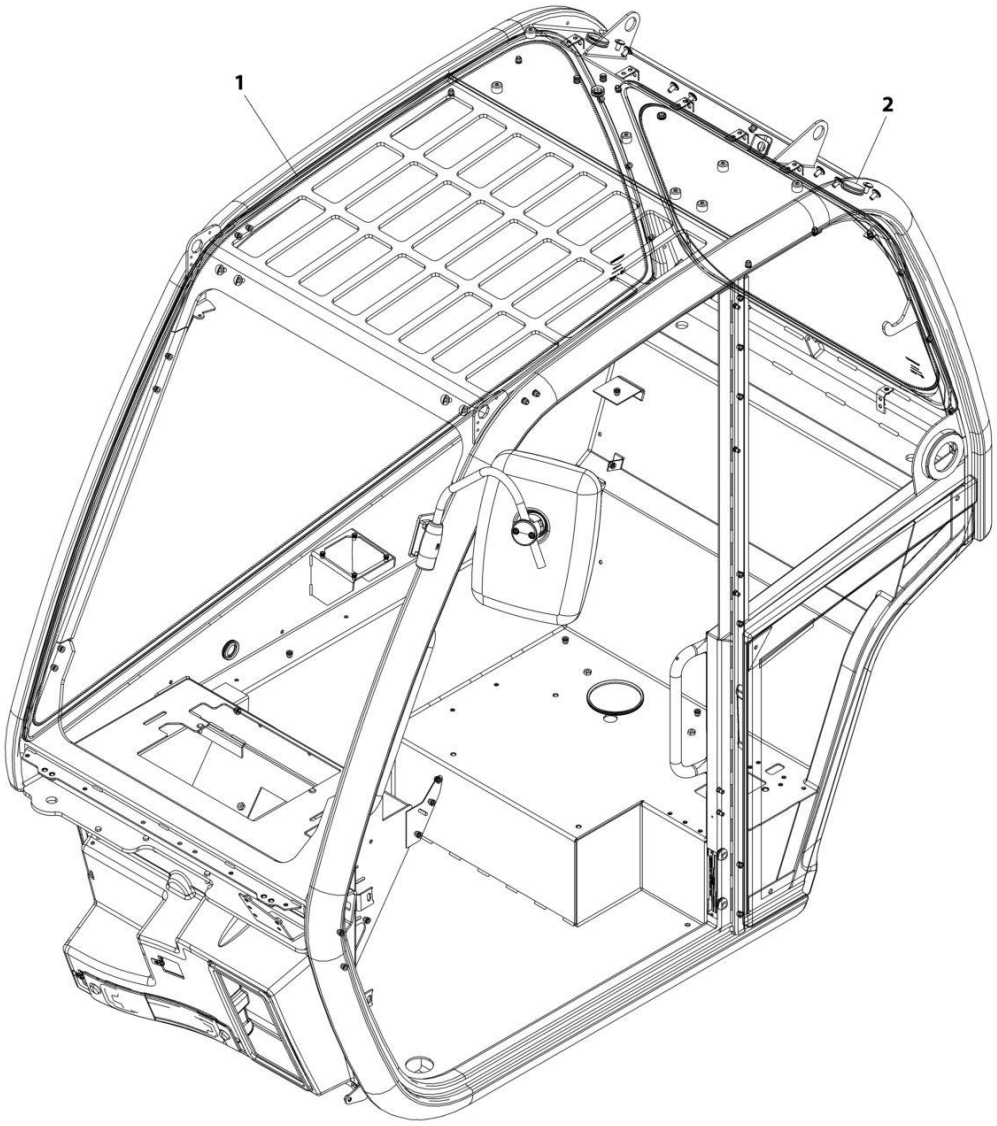


FIGURE 6-7. EROPS CAB INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173419	Ref	EROPS CAB INSTALLATION	K
3	1001160508	Ref	Installation, Mirror (See Separate Breakdown in this Section)	
4	1001161499	Ref	Installation, Accelerator Pedal (See Separate Breakdown in Controls Section)	
5	1001155447	Ref	Installation, Front Wiper (See Separate Breakdown in this Section)	
6	1001162789	Ref	Installation, Washer Tank (See Separate Breakdown in this Section)	
7	1001170366	Ref	Installation, Front Cover (See Separate Breakdown in this Section)	
8	1001172401	Ref	Installation, Level Indicator (See Separate Breakdown in this Section)	
9	1001204598	1	Decal, Emergency Exit	
10	1001214326	Ref	Cab (See Separate Breakdown in this Section)	
11	1001214332	Ref	Installation, Enclosed Cab (See Separate Breakdown in this Section)	

FIGURE 6-8. CAB, TRIM KIT



ART_1001214331_E

FIGURE 6-8. CAB, TRIM KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214331	Ref	Open Cab Installation	E
1	1001154721	1	Assembly, Open Cab (See Separate Breakdown in this Section)	
2	1001170495	1	Group, Open Cab Plug (See Separate Breakdown in this Section)	

FIGURE 6-9. CAB, TRIM KIT

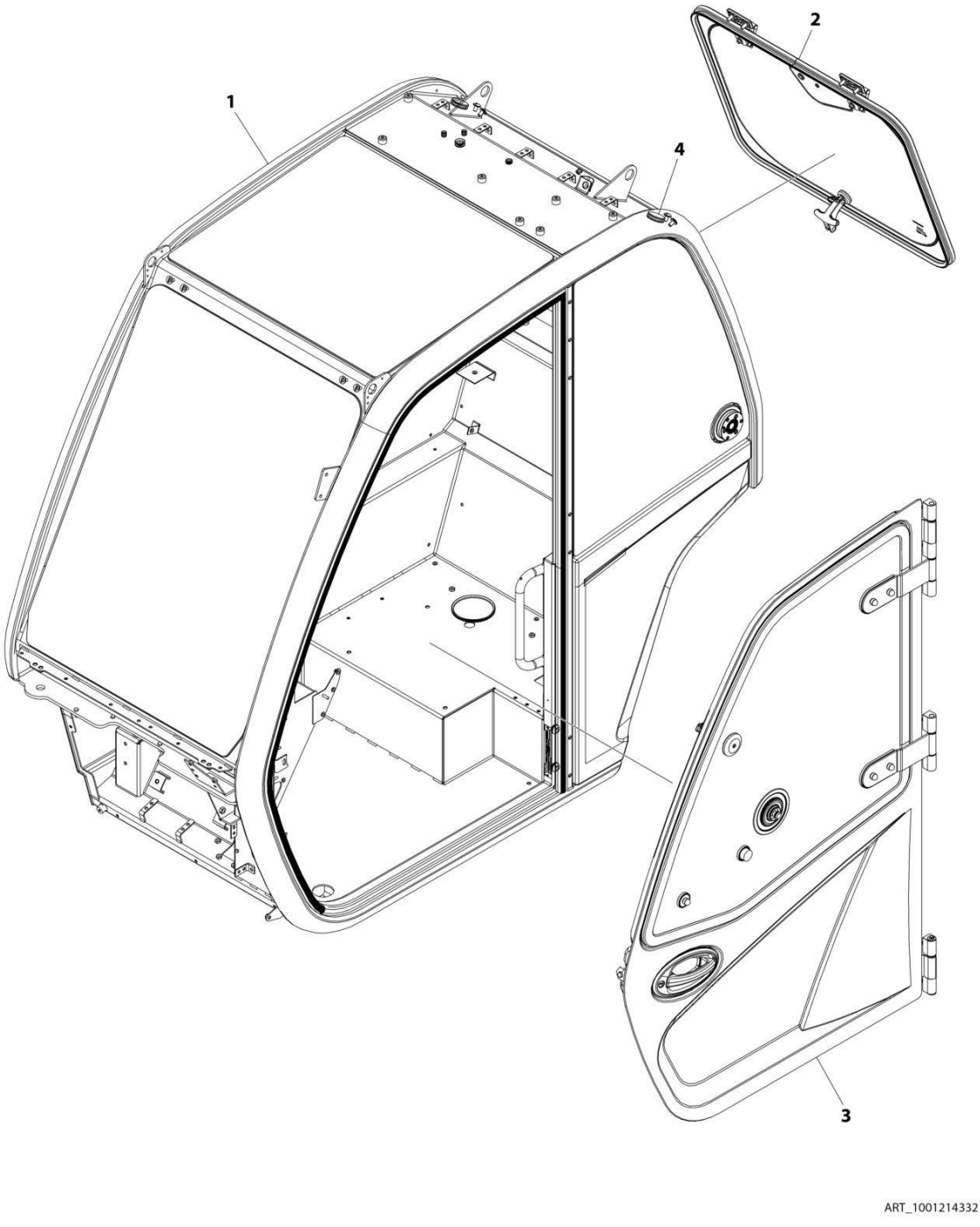


FIGURE 6-9. CAB, TRIM KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214332	Ref	Enclosed Cab Installation	I
1	1001154365	1	Assembly, Enclosed Cab (See Separate Breakdown in this Section)	
2	1001170500	1	Installation, Rear Window (See Separate Breakdown in this Section)	
3	1001165080	1	Installation, Door (See Separate Breakdown in this Section)	
4	1001170603	1	Group, Enclosed Cab Plug (See Separate Breakdown in this Section)	

FIGURE 6-10. OPEN CAB ASSEMBLY

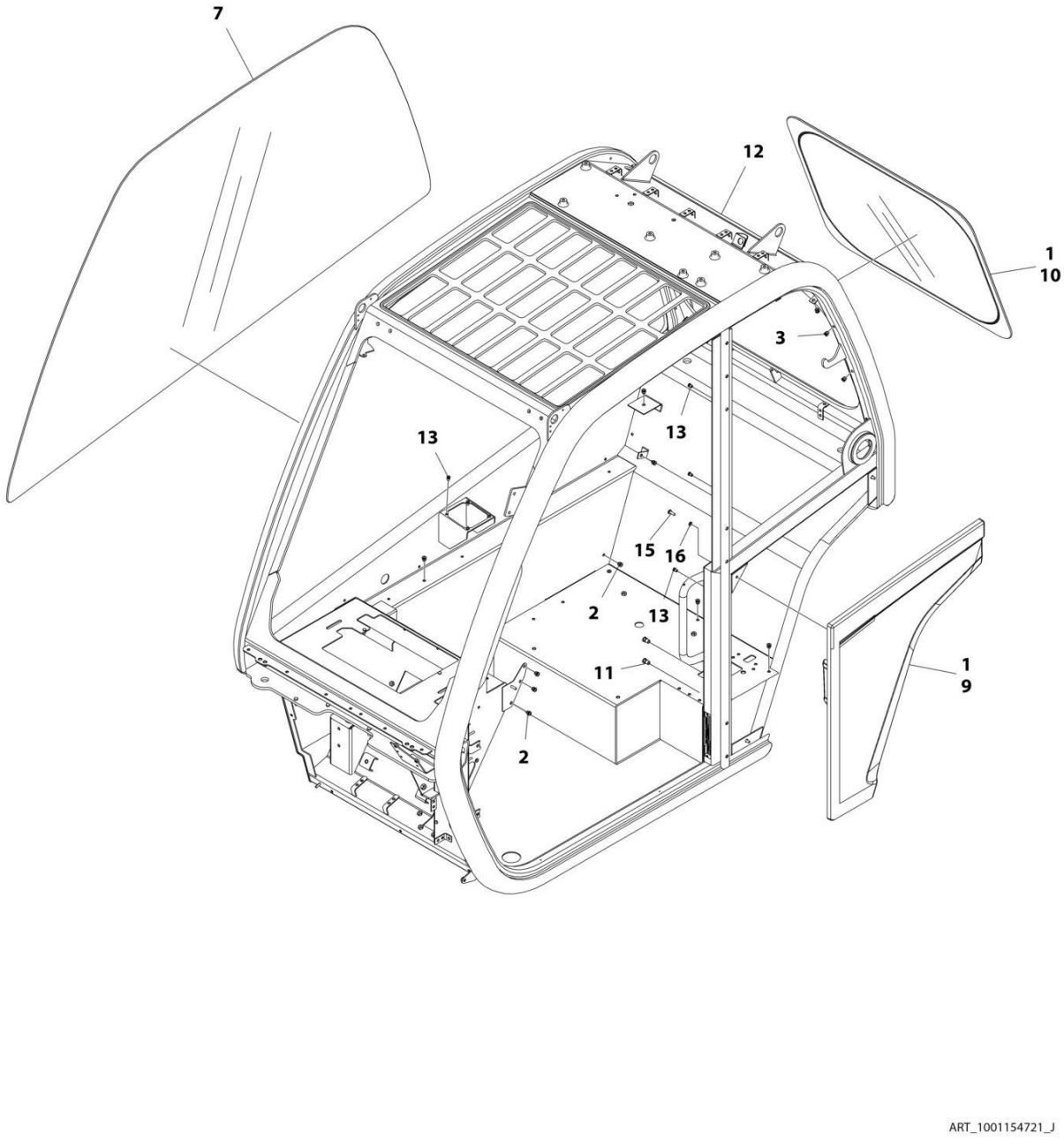


FIGURE 6-10. OPEN CAB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154721	Ref	Open Cab Assembly	J
1	1001111317	AR	Compound, Locking	
2	2080086	17	Rivnut, M6X1	
3	2080087	16	Rivnut, M8X1.25	
7	1001152947	1	Glass, RH Screen	
9	1001256073	1	Panel, Cab Quarter	
10	1001161538	1	Glass, Rear Window	
11	1001172193	2	Rivnut, M5X0.8	
12	See Note	NSS	Weldment, Cab (Note: Not available for purchase)	
13	1001195878	7	Rivnut, M5X0.8	
15	N.S.S.	3	Screw	
16	4811700	3	Washer, M6	

FIGURE 6-11. OPEN CAB, LSI INSTALLATION

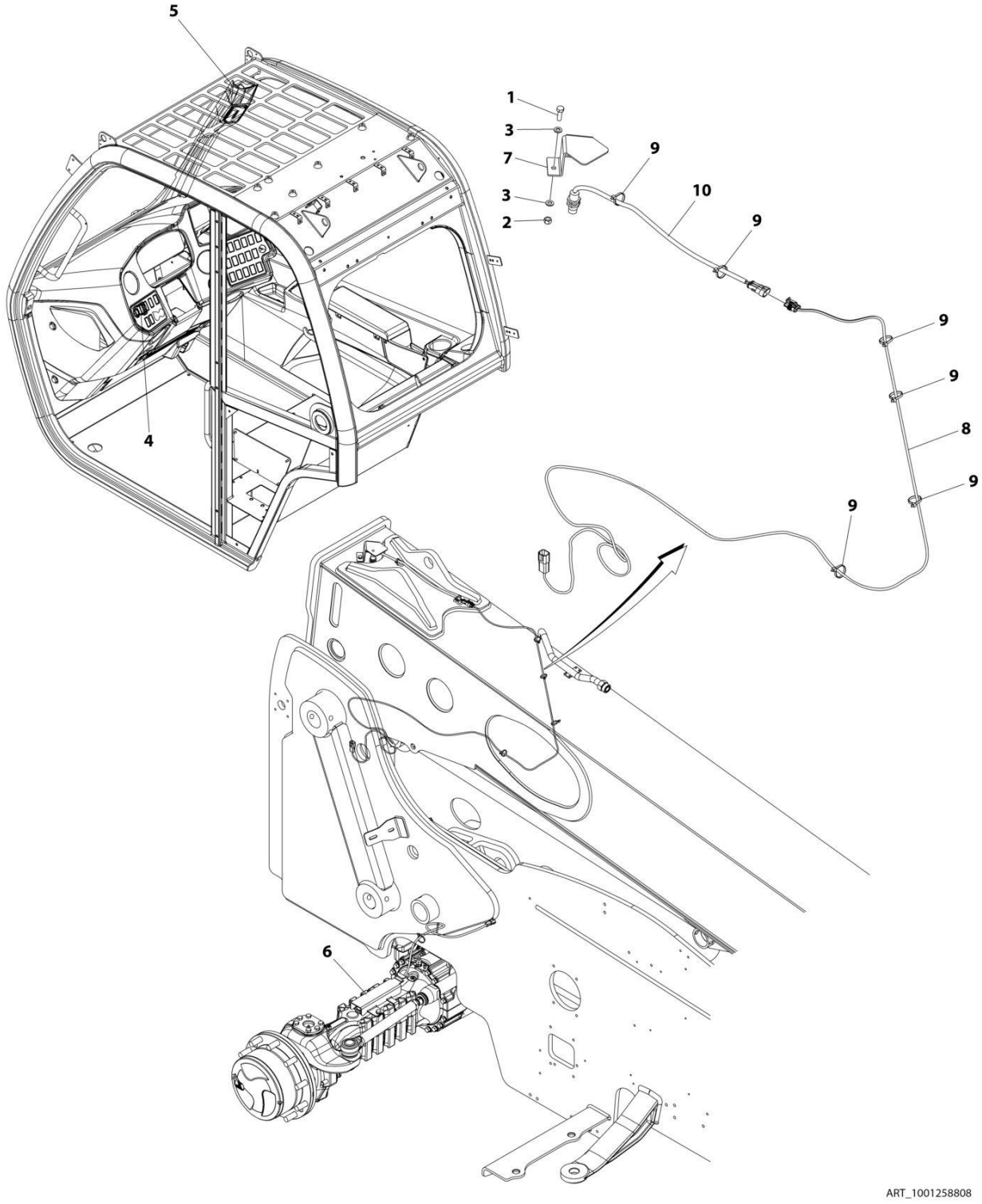


FIGURE 6-11. OPEN CAB, LSI INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258808	Ref	LSI Open Cab Installation	A
1	0760812	2	Bolt M8X25	
2	3290805	2	Nut M8	
3	4811900	4	Washer M8	
4	1001159742	1	Switch, LSI Override	
5	1001258563	1	LSI Display Installation (See Separate Breakdown in this Section)	
6	1001258644	1	LSI Axle Sensor Installation (See Separate Breakdown in DRIVETRAIN Section)	
7	1001258862	1	Plate	
8	1001259062	1	Harness, Boom Retract (See Separate Breakdown in ELECTRICAL Section)	
9	1001008559	AR	Strap, Cable	
10	1001183024	1	Sensor, Proximity	

FIGURE 6-12. OPEN CAB PLUG GROUP

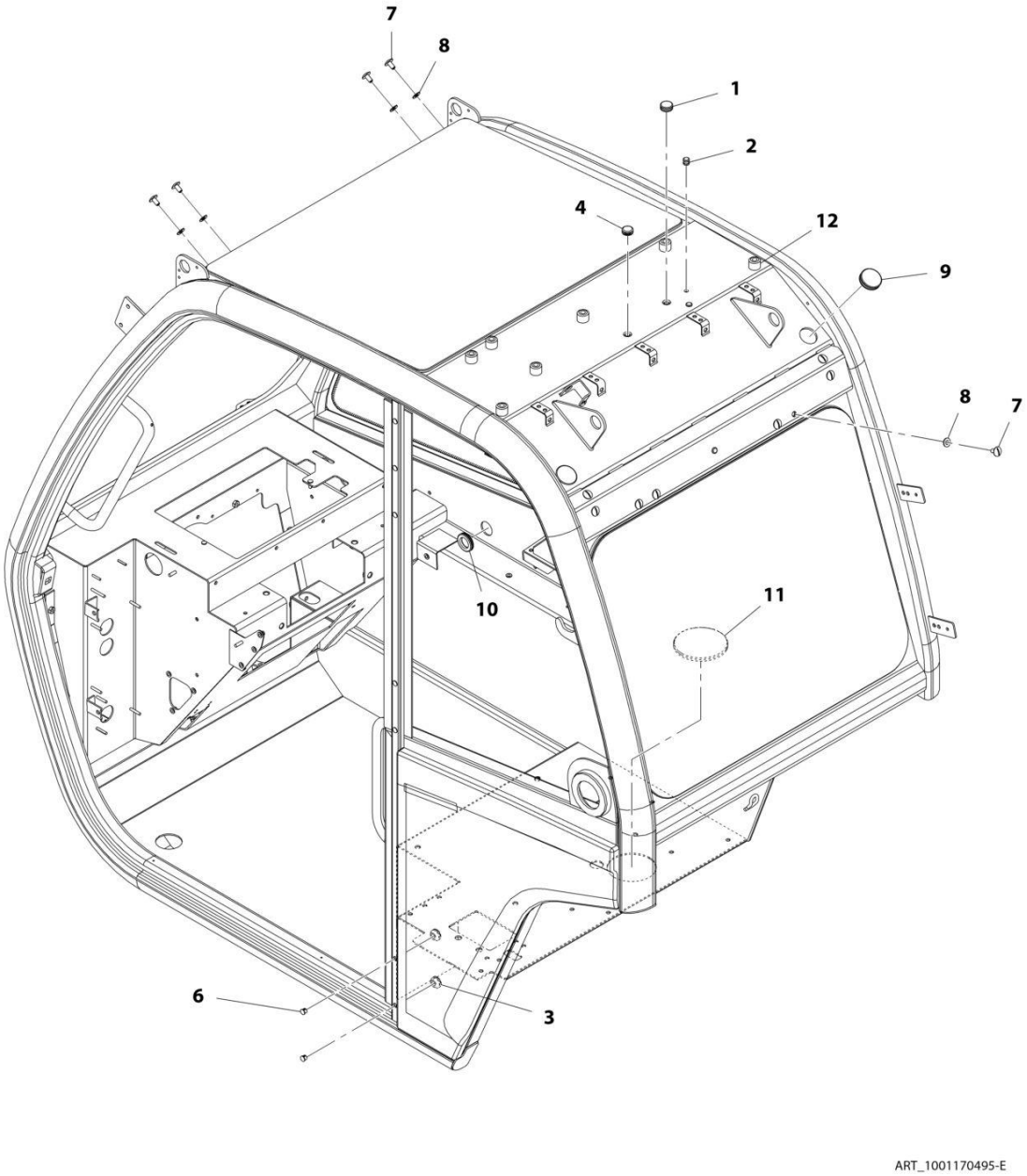


FIGURE 6-12. OPEN CAB PLUG GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170495	Ref	Open Cab Plug Group	E
1	1001176273	1	Plug	
2	1001176272	3	Plug	
3	1001143200	2	Plug	
4	1001176626	1	Plug	
6	1001170374	7	Plug	
7	1001181920	12	Screw, M8X16	
8	1001181921	12	Washer, M8 Rubber	
9	1001182123	2	Plug	
10	1001182139	1	Plug	
11	1001209899	1	Plug	
12	1001219220	1	Cap, Vinyl Round	

FIGURE 6-13. CAB, EPD CAULK

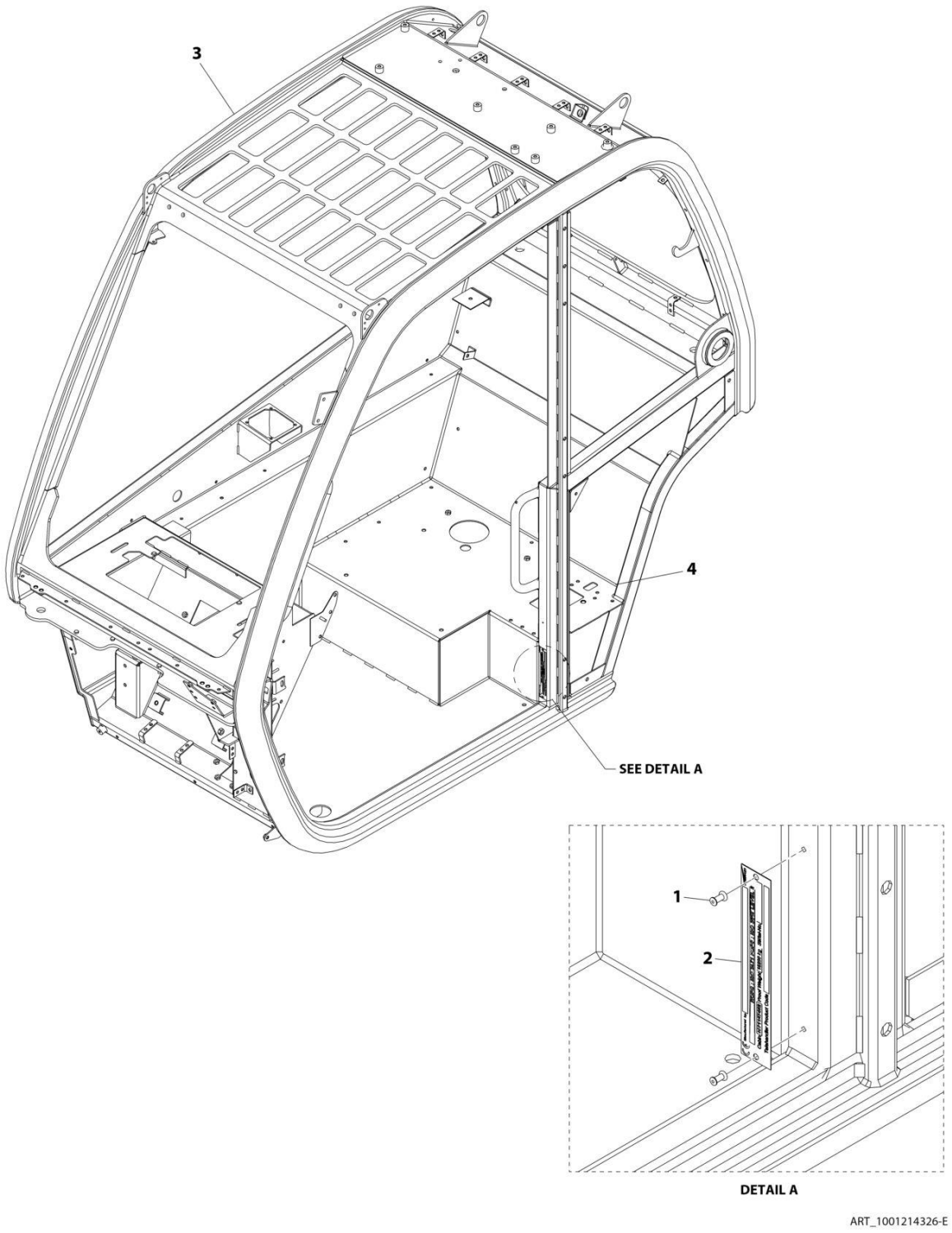


FIGURE 6-13. CAB, EPD CAULK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001214326	Ref	Cab	E
1	1001099170	2	Rivet, 4	
2	N.S.S.	1	Plate, Serial Number	
3	N.S.S.	1	Weldment	
4	1001205402	AR	Sealant	

FIGURE 6-14. ENCLOSED CAB ASSEMBLY

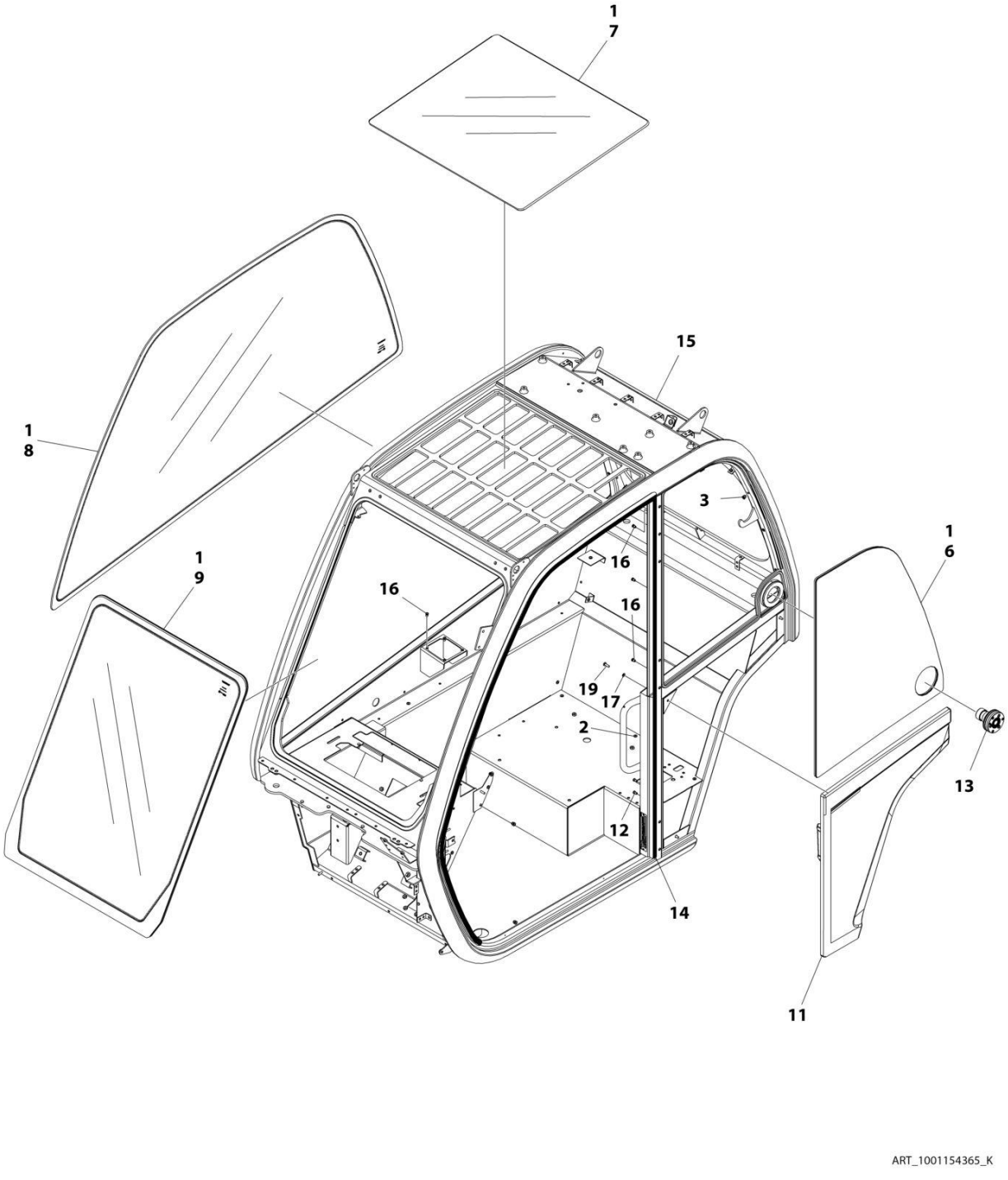


FIGURE 6-14. ENCLOSED CAB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001154365	Ref	Enclosed Cab Assembly	K
1	1001111317	AR	Compound, Locking	
2	2080086	17	Rivnut, M6X1	
3	2080087	16	Rivnut, M8X1.25	
6	1001152915	1	Glass, LH Screen	
7	1001152934	1	Glass, Roof	
8	1001152947	1	Glass, RH Screen	
9	1001154419	1	Glass, Front	
11	1001256073	1	Panel, Cab Quarter	
12	1001172193	2	Rivnut, M5X0.8	
13	1001174320	1	Latch, Top Window	
14	1001227186	1	Seal, Cab Door	
15	See Note	NSS	Weldment, Cab (Note: Not available for purchase)	
16	1001195878	7	Rivnut, M5X0.8	
17	4811700	3	Washer, M6	
19	N.S.S.	3	Screw	

FIGURE 6-15. ENCLOSED CAB, LSI INSTALLATION

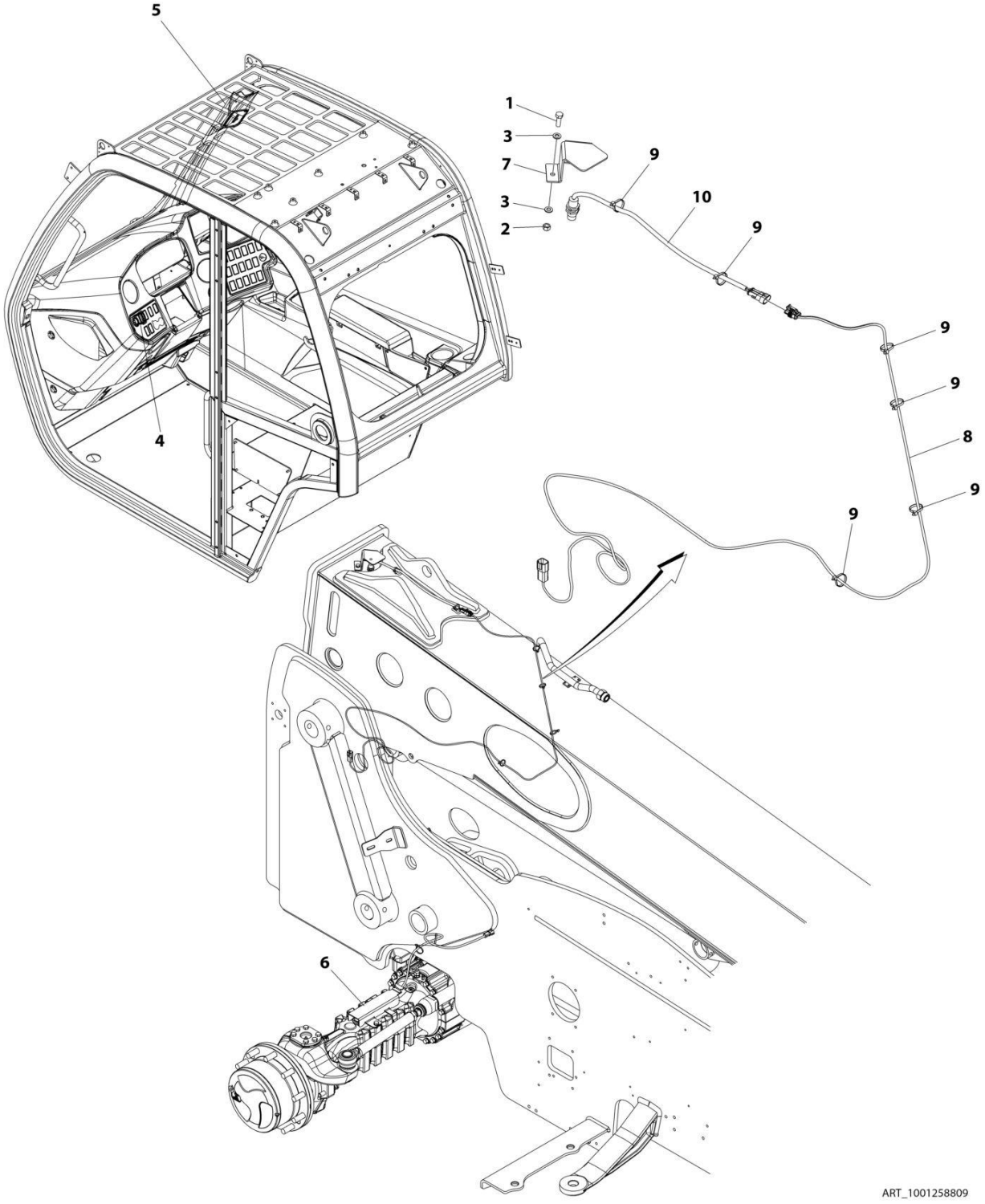


FIGURE 6-15. ENCLOSED CAB, LSI INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258809	Ref	LSI Enclosed Cab Installation	A
1	0760812	2	Bolt M8X25	
2	3290805	2	Nut M8	
3	4811900	4	Washer M8	
4	1001159742	1	Switch, LSI Override	
5	1001207594	1	LSI Display Installation (See Separate Breakdown in this Section)	
6	1001258644	1	LSI Axle Sensor Installation (See Separate Breakdown in DRIVETRAIN Section)	
7	1001258862	1	Plate	
8	1001259062	1	Harness, Boom Retract (See Separate Breakdown in ELECTRICAL Section)	
9	1001008559	AR	Strap, Cable	
10	1001183024	1	Sensor, Proximity	

FIGURE 6-16. REAR WINDOW INSTALLATION

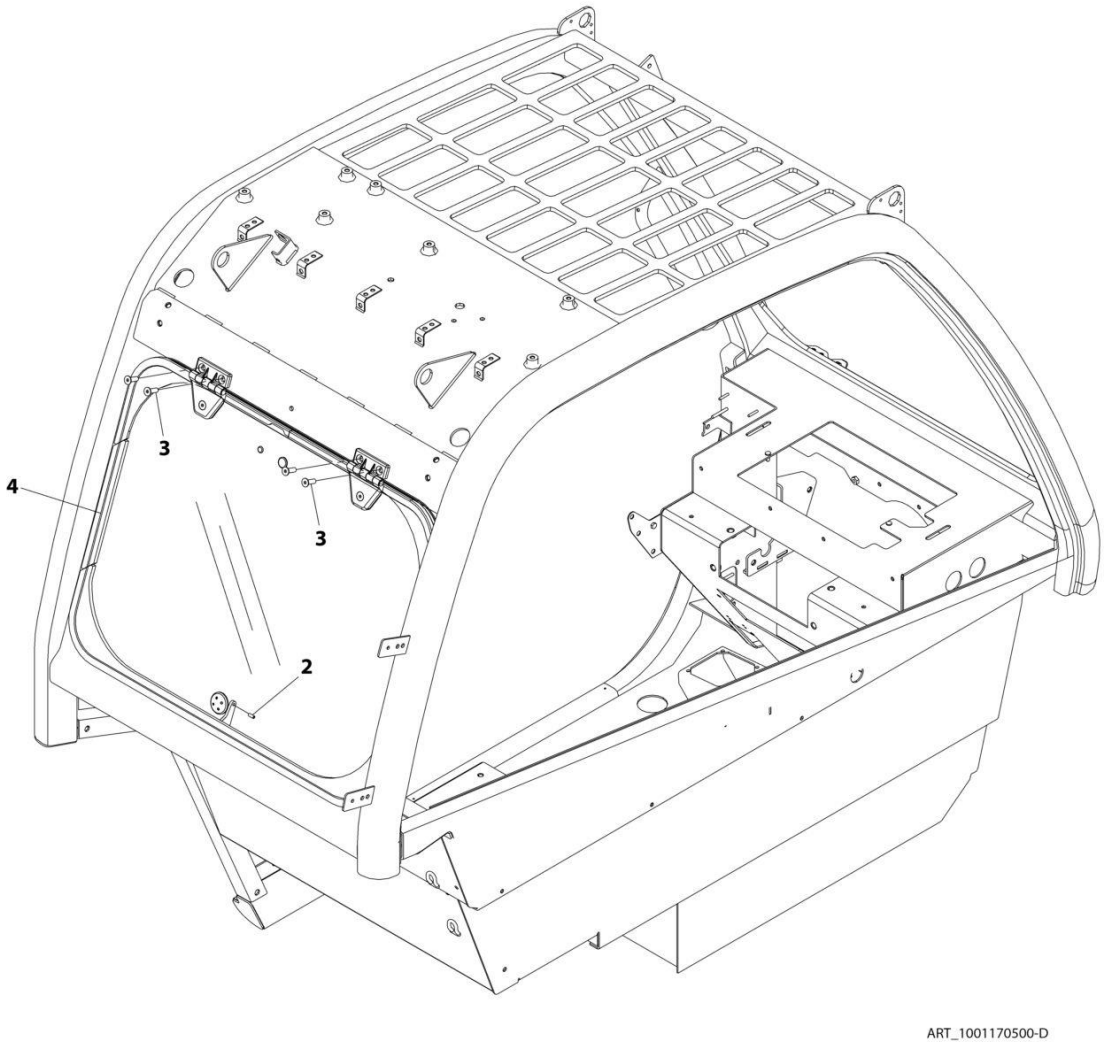
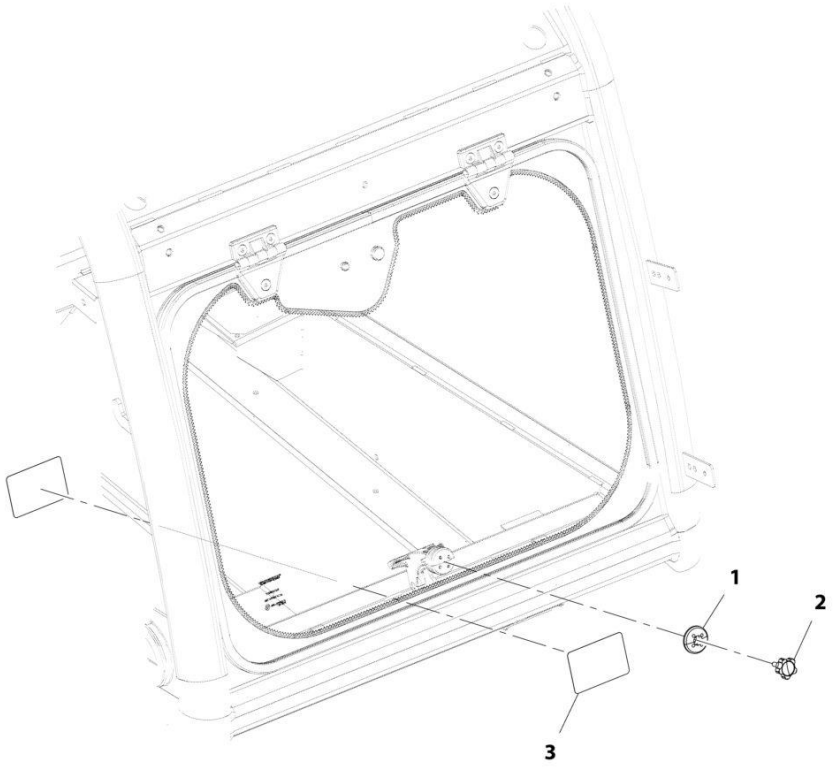


FIGURE 6-16. REAR WINDOW INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170500	Ref	Rear Window Installation	D
2	1001003043	1	Pin, Spring	
3	1001097586	4	Bolt, M8-1.25X25	
4	1001170502	1	Window, Rear (See Separate Breakdown in this Section)	

FIGURE 6-17. REAR WINDOW INSTALLATION (WO/WIPER) (ANSI)

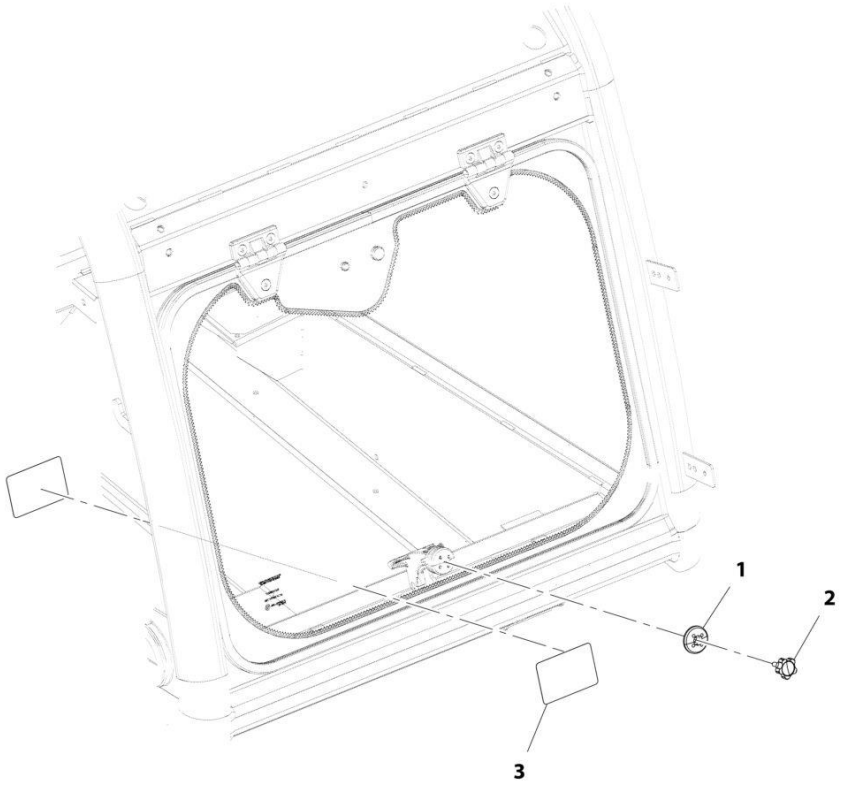


ART_1001212047-A

FIGURE 6-17. REAR WINDOW INSTALLATION (WO/WIPER) (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212047	Ref	External Window Release Installation (ANSI)	A
1	1001179008	1	Cap, Latch Window	
2	1001179009	1	Cap, Knob M6	
3	1001212049	2	Decal, Emergency Exit	

FIGURE 6-18. REAR WINDOW INSTALLATION (WO/WIPER) (ISO)

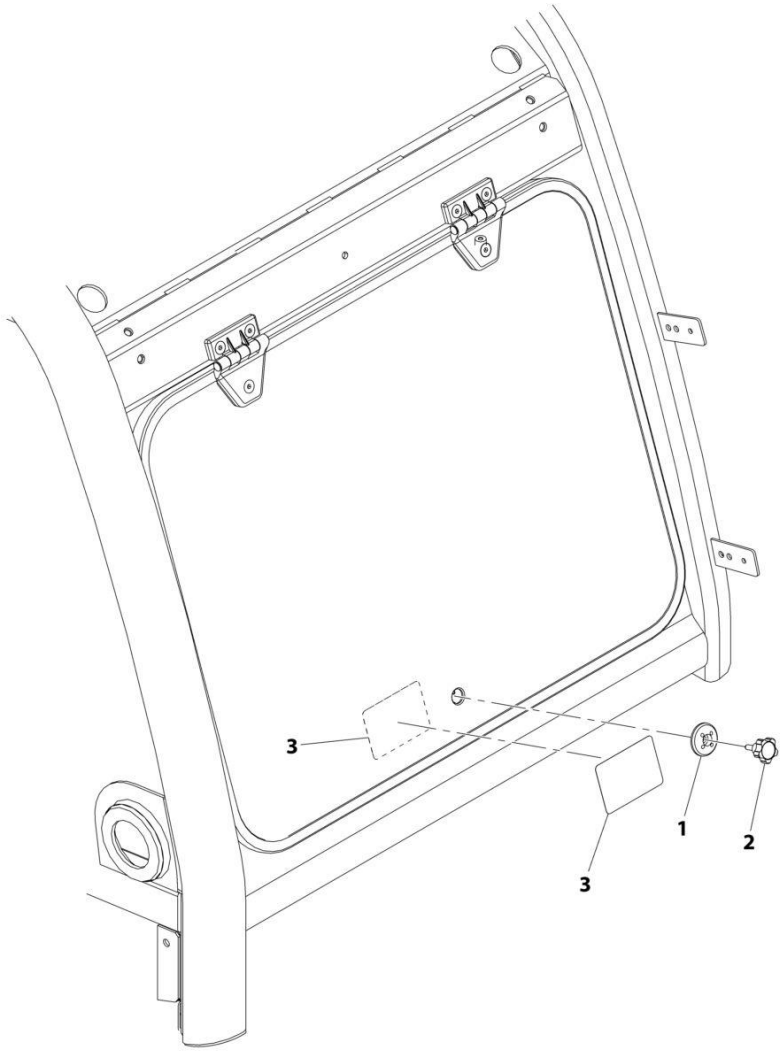


ART_1001212048-A

FIGURE 6-18. REAR WINDOW INSTALLATION (WO/WIPER) (ISO)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212048	Ref	Rear Window Installation (WO/Wiper) (ISO)	A
1	1001179008	1	Cap, Latch Window	
2	1001179009	1	Cap, Knob M6	
3	1001212050	2	Decal, Emergency Exit	

FIGURE 6-19. REAR WINDOW INSTALLATION (WO/WIPER) (ENG/SPAN)



ART_1001237852-A

FIGURE 6-19. REAR WINDOW INSTALLATION (WO/WIPER) (ENG/SPAN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237852	Ref	Rear Window Installation (WO/Wiper) (ENG/SPAN)	A
1	1001179008	1	Cap, Latch Window	
2	1001179009	1	Cap, Knob M6	
3	1001237845	2	Decal, Emergency Exit	

FIGURE 6-20. REAR WINDOW ASSEMBLY

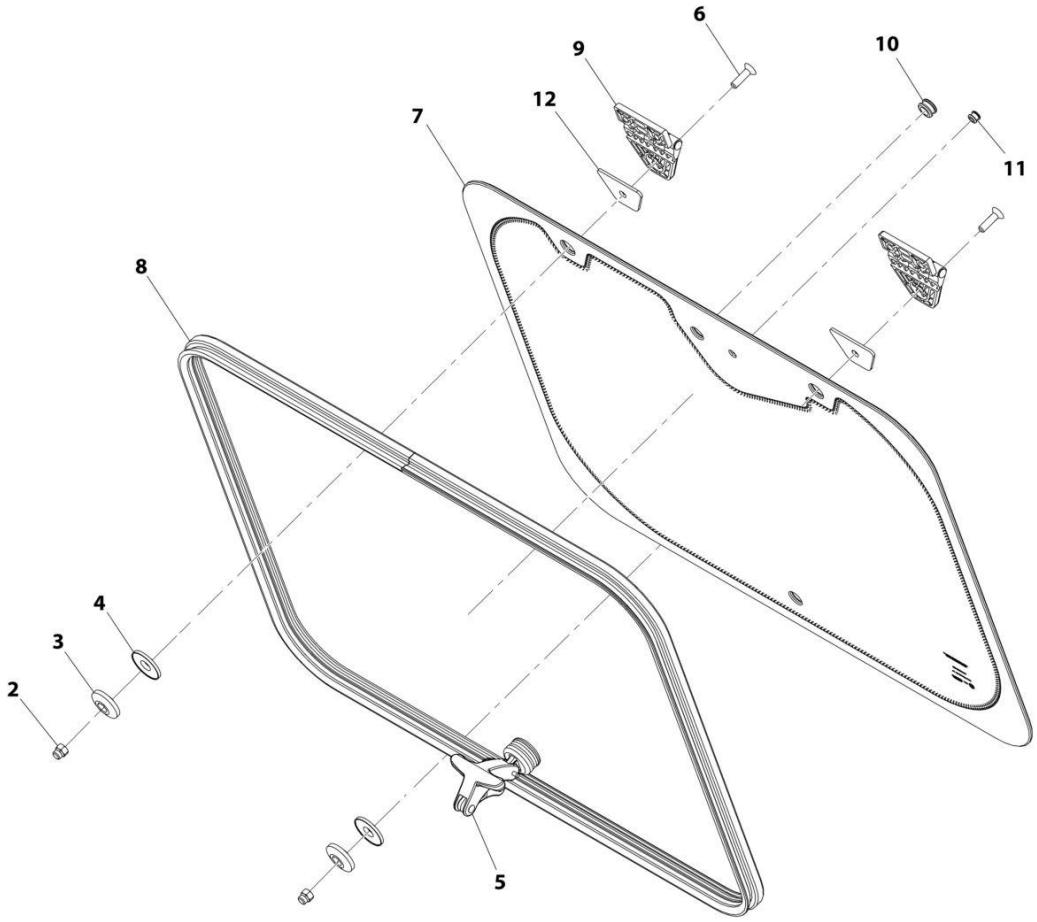


FIGURE 6-20. REAR WINDOW ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170502	Ref	Rear Window Assembly	D
2	3290806	2	Nut, M8X1.25 Grade 8	
3	8000759	2	Spacer	
4	8004398	2	Washer	
5	1001005368	1	Latch, Window	
6	2080078	2	Fastener, M8X30	
7	1001157481	1	Glass, Rear Window	
8	1001157487	1	Seal	
9	1001139568	2	Hinge	
10	1001171182	1	Grommet	
11	1001171183	1	Grommet	
12	1001181411	2	Gasket, Rear Window Hinge	

FIGURE 6-21. DOOR INSTALLATION

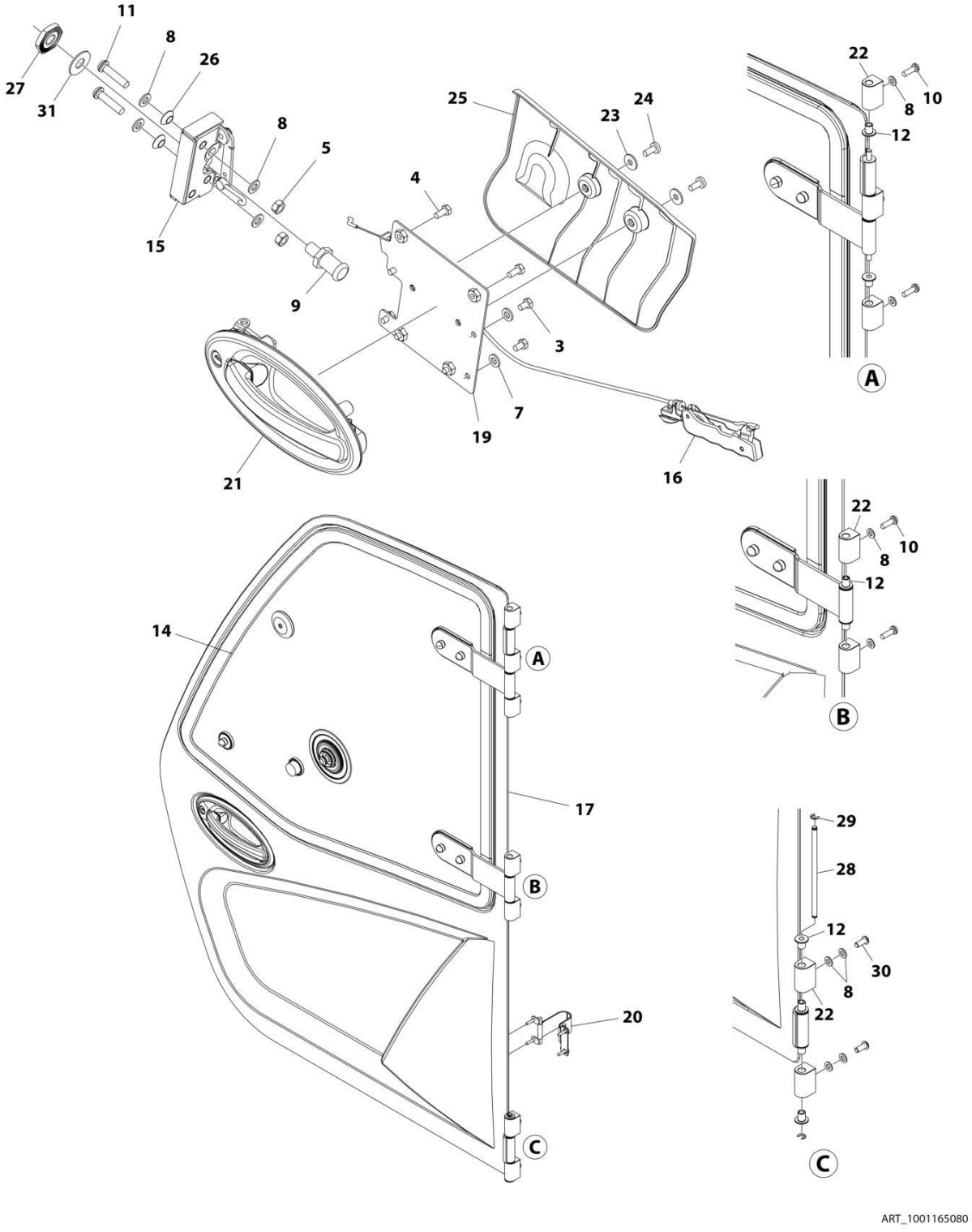


FIGURE 6-21. DOOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165080	Ref	Door Installation	P
3	0760605	4	Bolt, M6X10	
4	0760607	4	Bolt, M6X14	
5	3290801	2	Nut, M8X1.25 Grade 8	
7	4811700	4	Washer, M6	
8	4811900	13	Washer, M8	
9	8000803	1	Pin, Door Striker	
10	1001008988	5	Screw M8X25	
11	1001047062	2	Screw, M8X35	
12	1001107192	10	Sleeve, Hinge	
14	1001205532	1	Assembly, Door Upper Glass (See Separate Breakdown in this Section)	
15	1001192766	1	Assembly, Cab Latch (See Separate Breakdown in this Section)	
16	1001167958	1	Assembly, Cab Door Trigger (See Separate Breakdown in this Section)	
17	1001169881	1	Assembly, Door (See Separate Breakdown in this Section)	
19	1001173298	1	Bracket	
20	1001174295	1	Installation, Door Strap (See Separate Breakdown in this Section)	
21	1001192646	1	Handle, Exterior Door	
22	1001170601J	7	Lug, Hinge	
23	4811702001	2	Washer, M6	
24	4010608002	2	Screw, M6X16	
25	1001175477	1	Cover, Cab Door Interior	
26	1001184439	2	Bushing	
27	1001192309	1	Nut, M12X1	
28	1001213791	1	Pin, Hinge	
29	0498748	2	Clip, Snap Ring	
30	1001164726	2	Bolt, M8X20	
31	1001227802	1	Washer	

FIGURE 6-22. DOOR UPPER GLASS ASSEMBLY

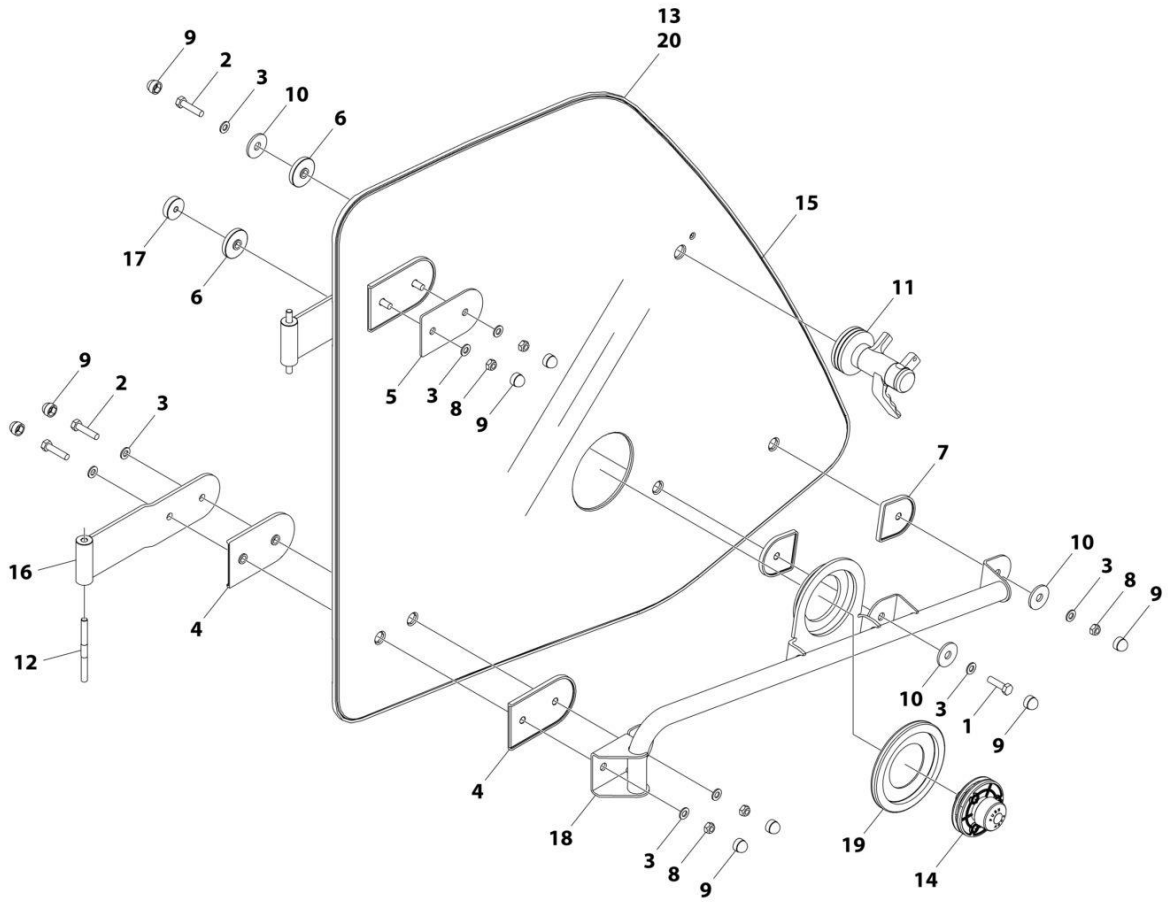


FIGURE 6-22. DOOR UPPER GLASS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205532	Ref	Door Upper Glass Assembly	G
1	0760812	1	Bolt, M8X25	
2	0760815	5	Bolt, M8X35	
3	4811900	11	Washer, 8MM	
4	1001002946	4	Mount, Hinge	
5	1001002947	1	Mount, Hinge	
6	1001002953	2	Mount, Rubber	
7	1001002957	2	Mount, Latch	
8	1001008857	5	Nut, Lock	
9	1001096365	11	Cap, M8	
10	1001141246	3	Mount, Rubber	
11	1001165275	1	Latch, Window	
12	1001166634	2	Pin, Hinge	
13	1001170944	1	Panel, Window Surround	
14	1001174321	1	Striker, Top Window	
15	1001204066	1	Glass, Window	
16	1001204115	2	Hinge	
17	1001222741	1	Buffer, Cab	
18	1001204120	1	Handle	
19	1001213331	1	Gasket	
20	1001215531	AR	Adhesive	

FIGURE 6-23. CAB LATCH ASSEMBLY

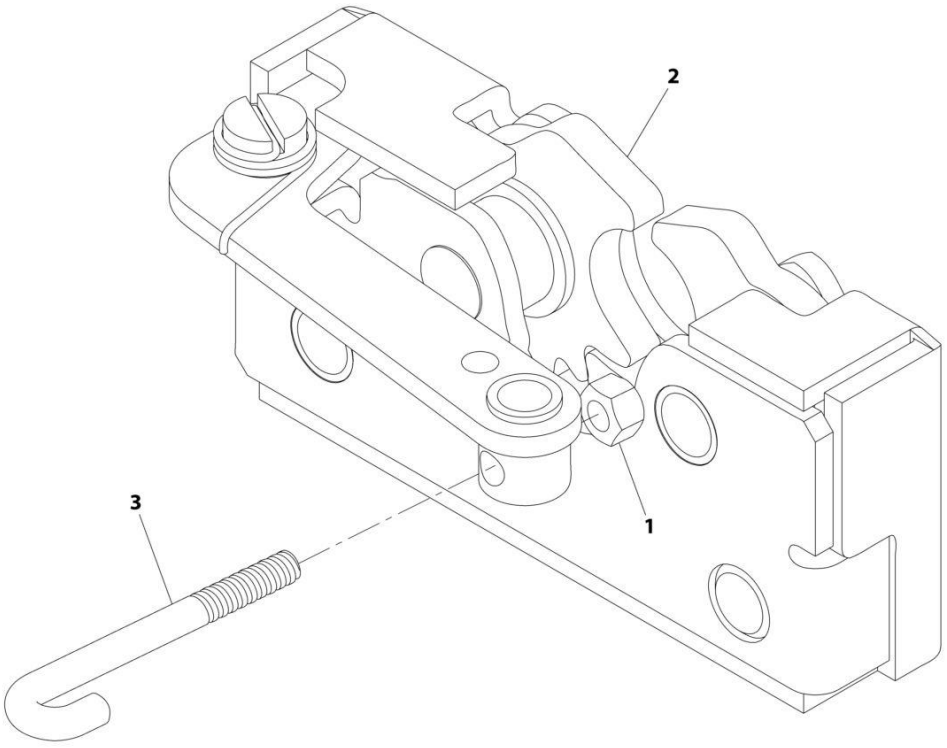


FIGURE 6-23. CAB LATCH ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192766	Ref	Cab Latch Assembly	C
1	3290405	1	Nut, M4X0.7 Grade 8	
2	1001192643	1	Latch	
3	1001241308	1	Link, Door Handle	

FIGURE 6-24. CAB DOOR TRIGGER ASSEMBLY

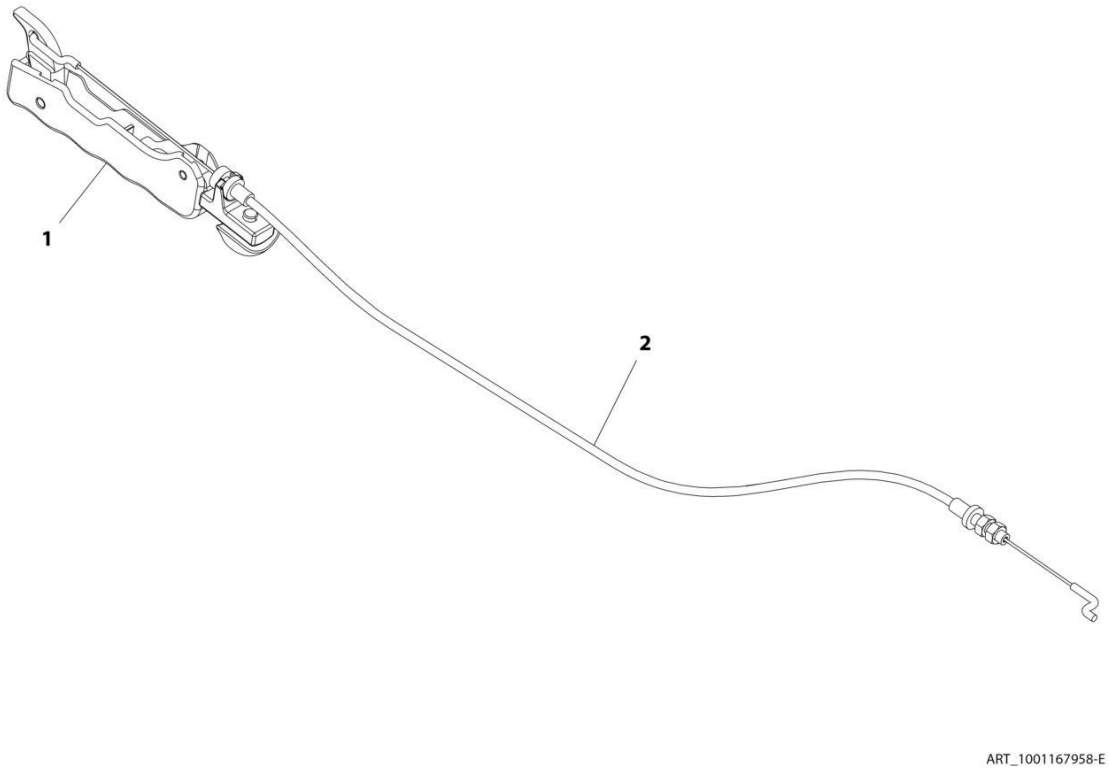


FIGURE 6-24. CAB DOOR TRIGGER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167958	Ref	Cab Door Trigger Assembly	E
1	1001167937	1	Trigger, Cab Interior Release	
2	1001192644	1	Cable, Cab Latch Release	

FIGURE 6-25. DOOR ASSEMBLY

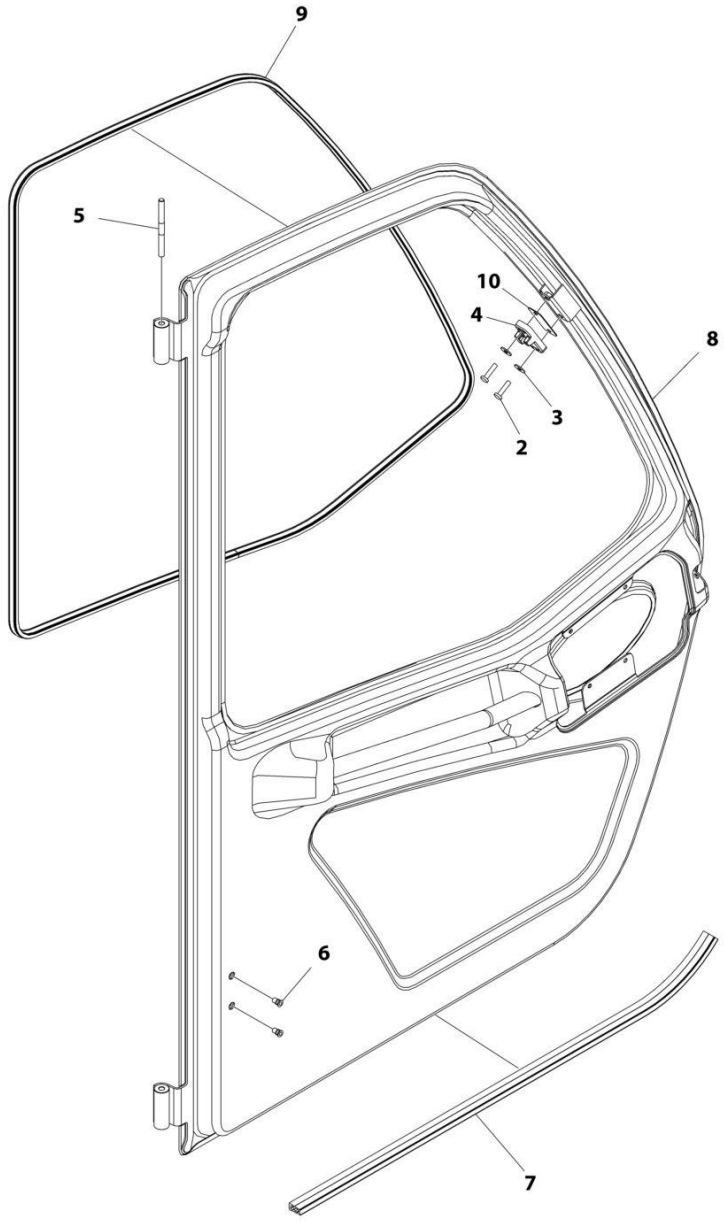


FIGURE 6-25. DOOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169881	Ref	Door Assembly	K
2	4010612002	2	Screw, Posi-Drive, M6X25	
3	4811702001	2	Washer, M6	
4	1001165276	1	Plate, Window Latch Striker	
5	1001166634	1	Pin, Hinge	
6	1001172193	2	Rivnut, M5X0.8	
7	1001227188	1	Seal, Cab Door	
8	1001165022J	1	Door, Cab (See Separate Breakdown in this Section)	
9	1001227187	1	Seal, Cab Door Window	
10	1001193210	AR	Shim, Window Latch	

FIGURE 6-26. CAB DOOR

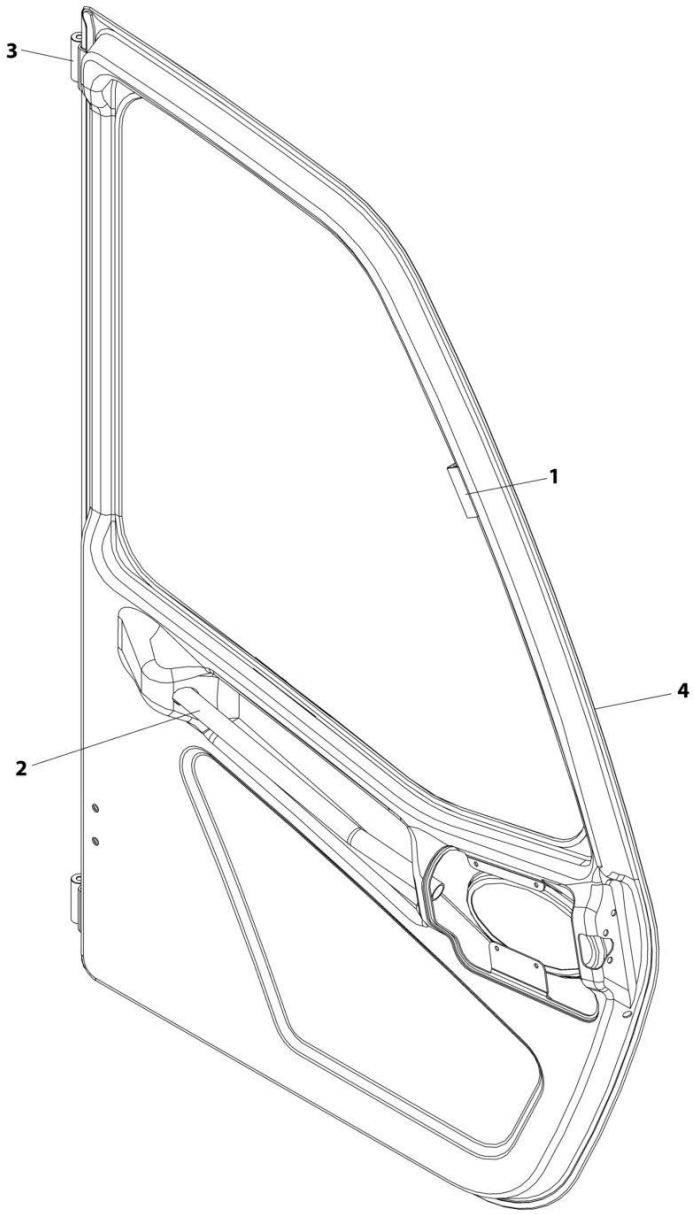


FIGURE 6-26. CAB DOOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165022	Ref	Cab Door	E
1	1001169883	1	Bracket, Window Latch	
2	1001169885	1	Handle, Interior Door	
3	1001171037	1	Plate, Hinge	
4	1001171634	1	Frame, Door	

FIGURE 6-27. DOOR STRAP INSTALLATION

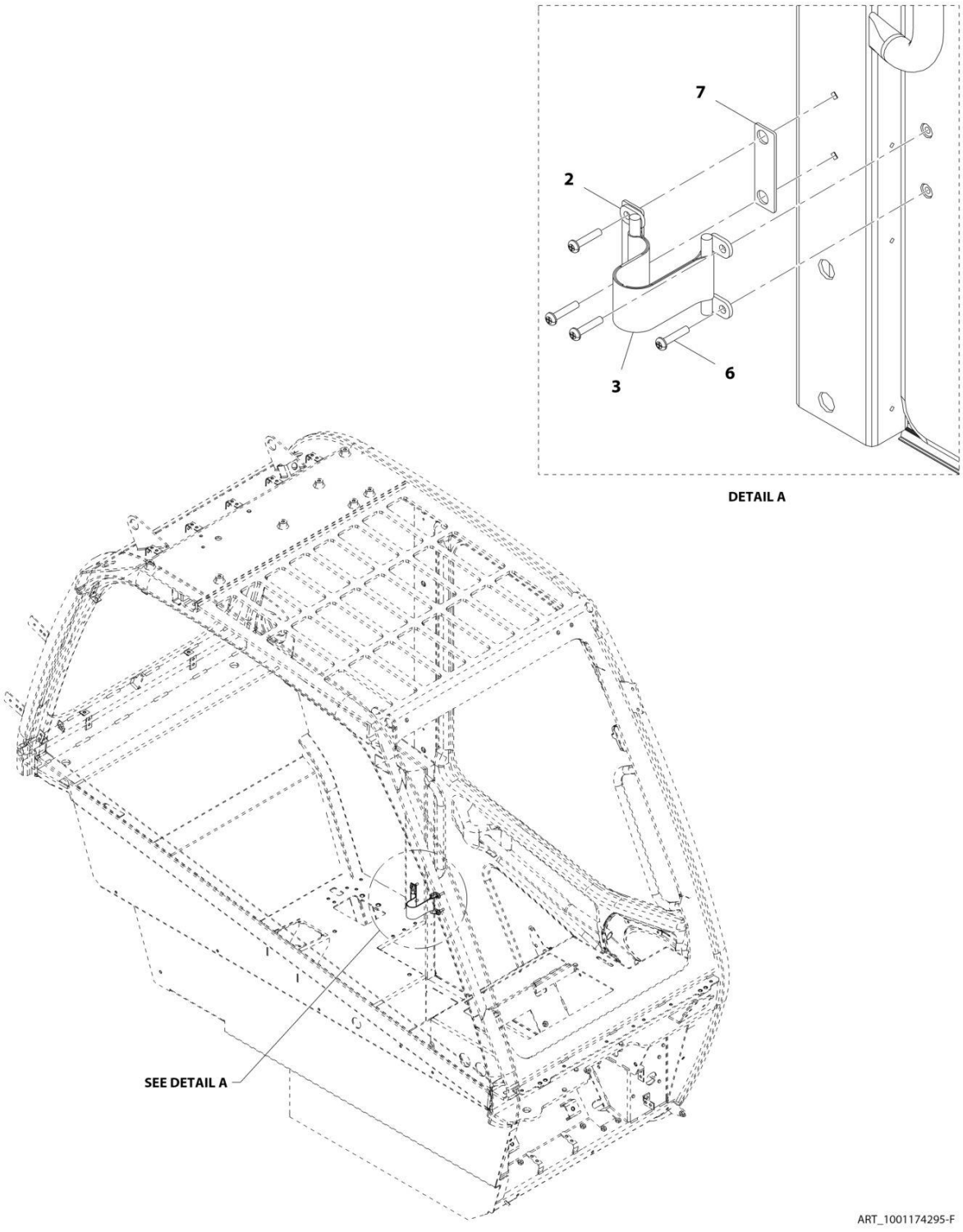


FIGURE 6-27. DOOR STRAP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174295	Ref	Door Strap Installation	F
2	1001230163	2	Bracket, Strap Holder	
3	1001212011	1	Strap, Door Hold Open	
6	8310559	4	Screw	
7	1001191091	1	Plate, Cab Door Strap	

FIGURE 6-28. ENCLOSED CAB PLUG GROUP

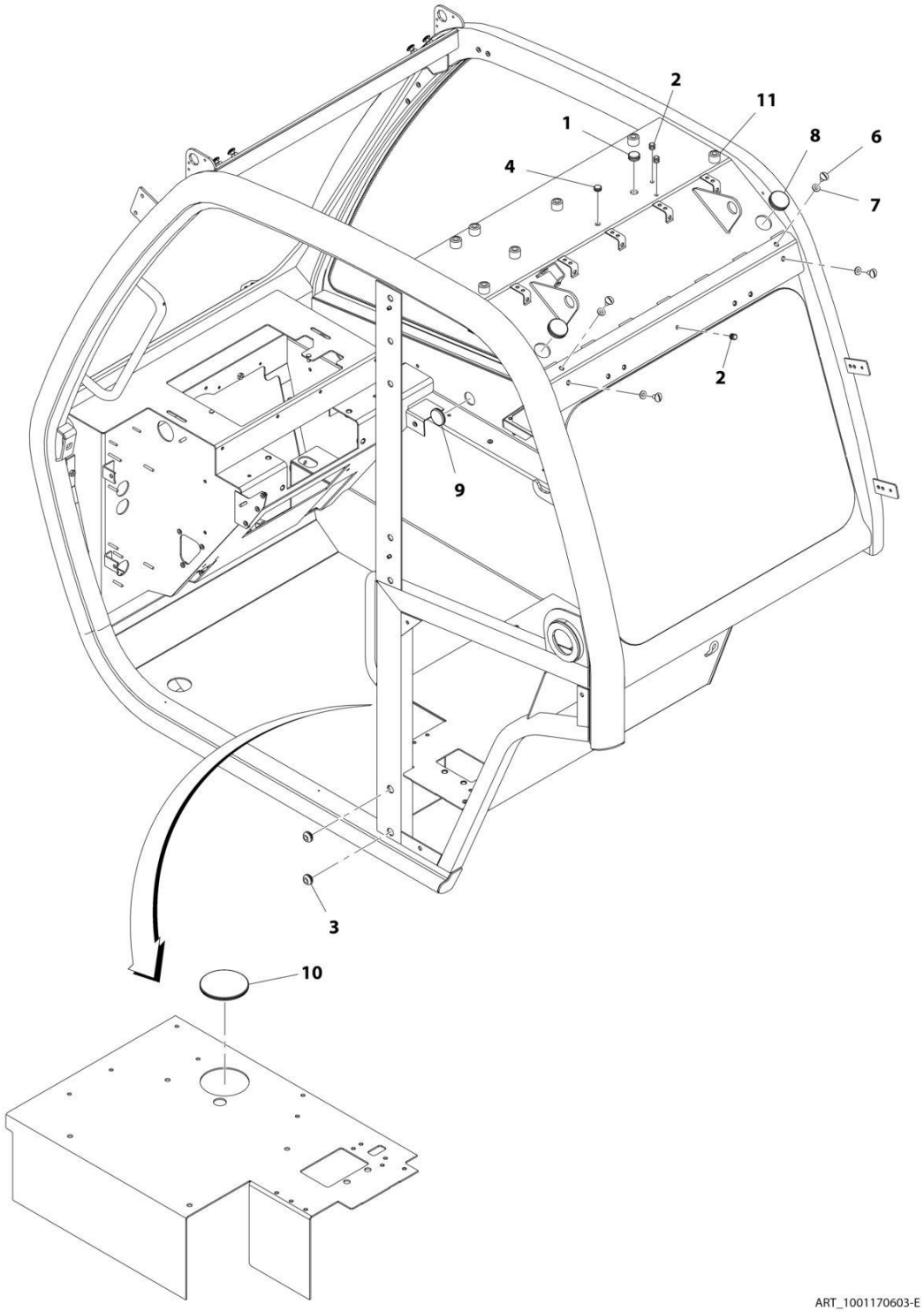


FIGURE 6-28. ENCLOSED CAB PLUG GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170603	Ref	Enclosed Cab Plug Group	E
1	1001176273	1	Plug	
2	1001176272	3	Plug	
3	1001143200	2	Plug	
4	1001176626	1	Plug	
6	1001181920	8	Screw, M8X16	
7	1001181921	8	Washer, Rubber M8	
8	1001182123	2	Plug	
9	1001182139	1	Plug	
10	1001209899	1	Plug	
11	1001219220	7	Cap, Vinyl Round	

FIGURE 6-29. LSI DISPLAY INSTALLATION (OPEN CAB)

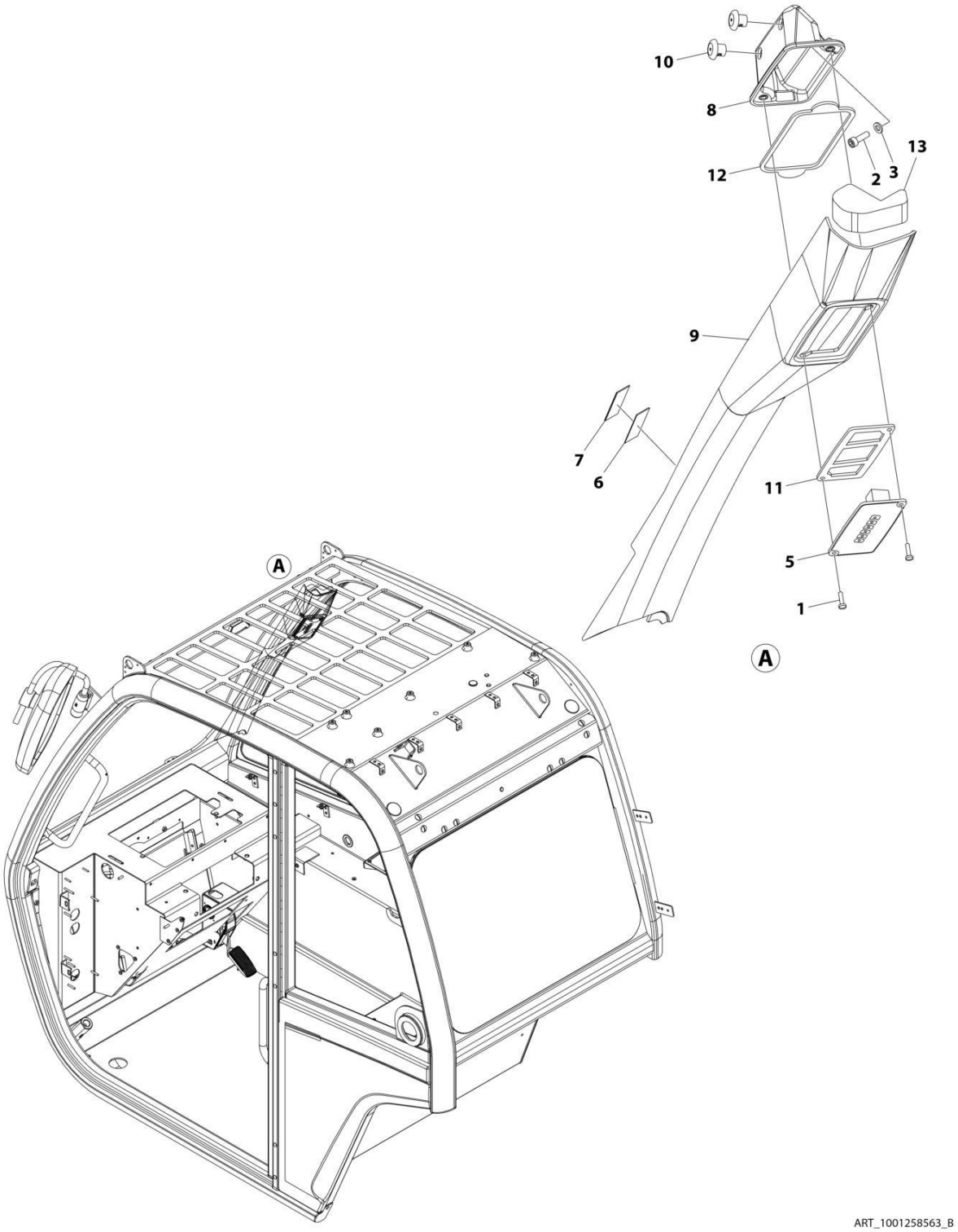


FIGURE 6-29. LSI DISPLAY INSTALLATION (OPEN CAB)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258563	Ref	LSI DISPLAY INSTALLATION	B
1	1001126837	2	Screw M4 x 16	
2	4031708	2	Bolt M6 x 20	
3	4811700	2	Washer M6	
5	1001213752	1	LSI Display Electrical Assembly	
5	1001205976	1	Decal - LSI Display	
5	1001209028	1	Gauge	
6	1001221318	1	Tape, Hook Fastener	
7	1001221319	1	Tape, Loop Fastener	
8	1001257058	1	Box	
9	1001257059	1	Panel	
10	1001257067	2	Grommet	
11	1001257069	1	Seal	
12	1001257087	1	Seal	
13	1001264415	1	Seal	

FIGURE 6-30. LSI DISPLAY INSTALLATION (ENCLOSED CAB)

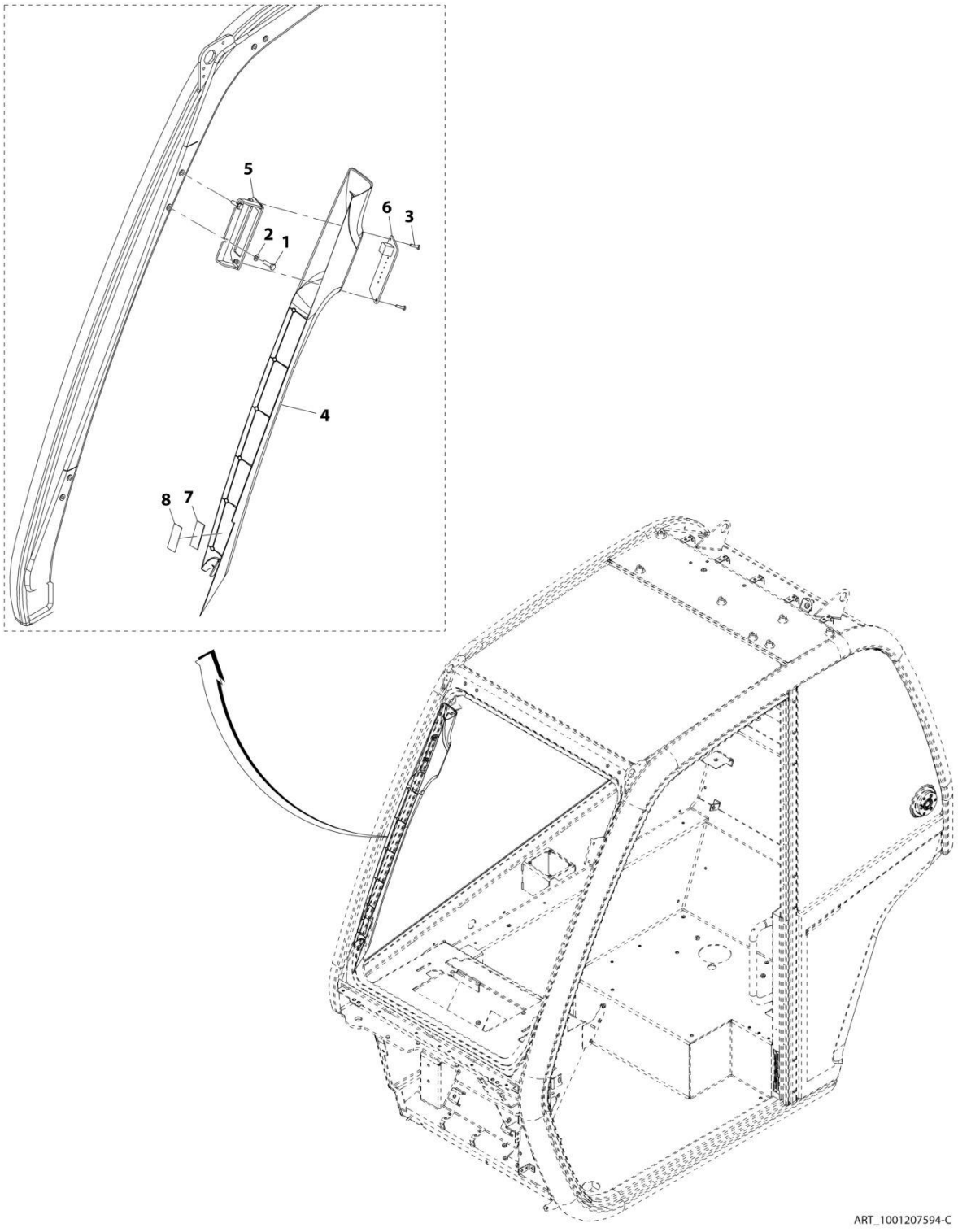


FIGURE 6-30. LSI DISPLAY INSTALLATION (ENCLOSED CAB)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207594	Ref	LSI Display Installation	C
1	0760610	2	Bolt, M6X20	
2	4811700	2	Washer, M6	
3	1001126837	2	Screw, M4X16	
4	1001182839	1	Cover	
5	1001214401	1	Bracket	
6	1001213752	1	Display, LSI	
7	1001221318	1	Tape, Hook Fastener	
8	1001221319	1	Tape, Hook Fastener	

FIGURE 6-31. BASIC MIRROR INSTALLATION

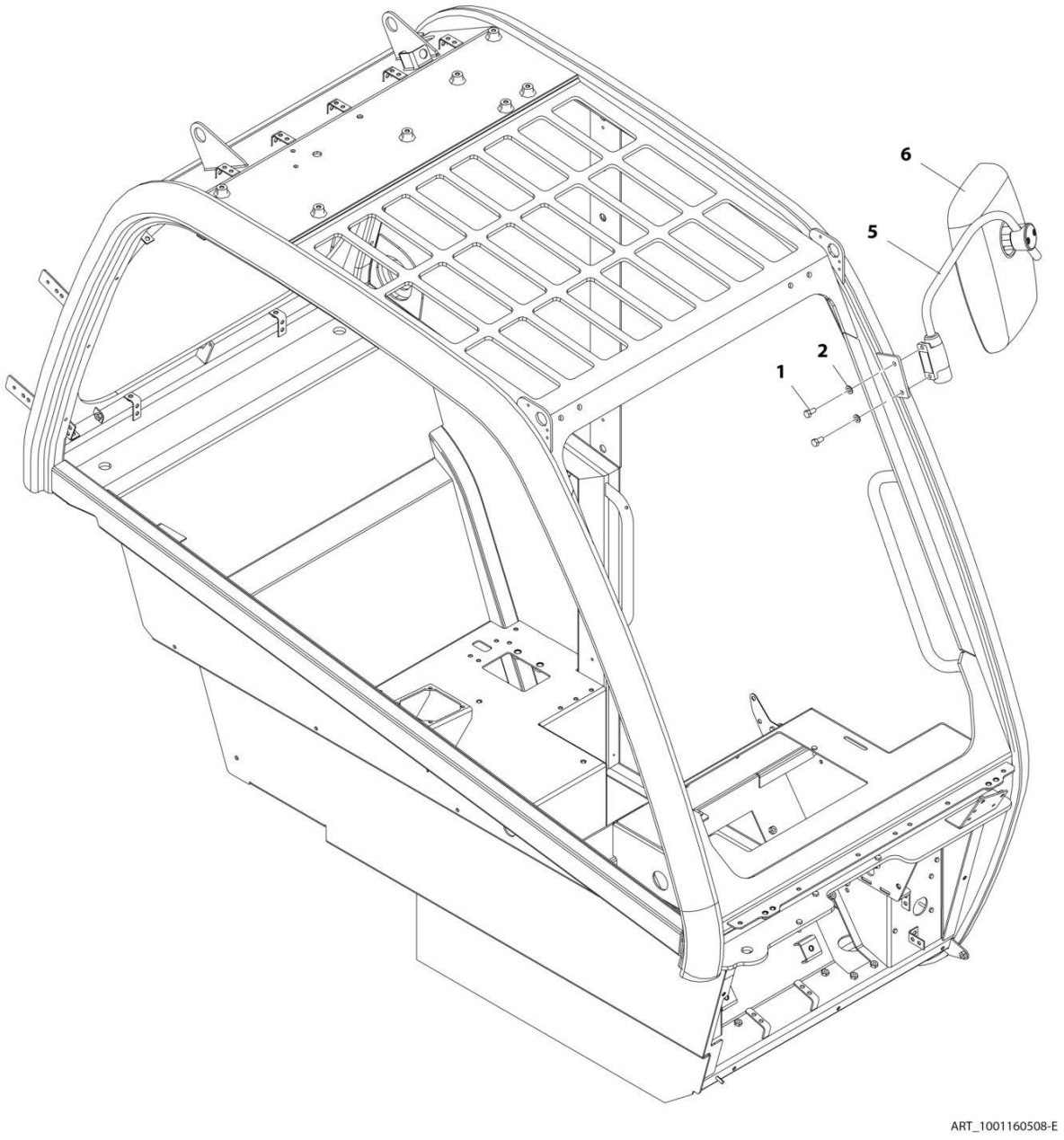


FIGURE 6-31. BASIC MIRROR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160508	Ref	Basic Mirror Installation	E
1	0760808	2	Bolt, M8X16	
2	4811900	2	Washer, M8	
5	1001164655	1	Bracket	
6	80363195	1	Mirror	

FIGURE 6-32. FRONT COVER INSTALLATION

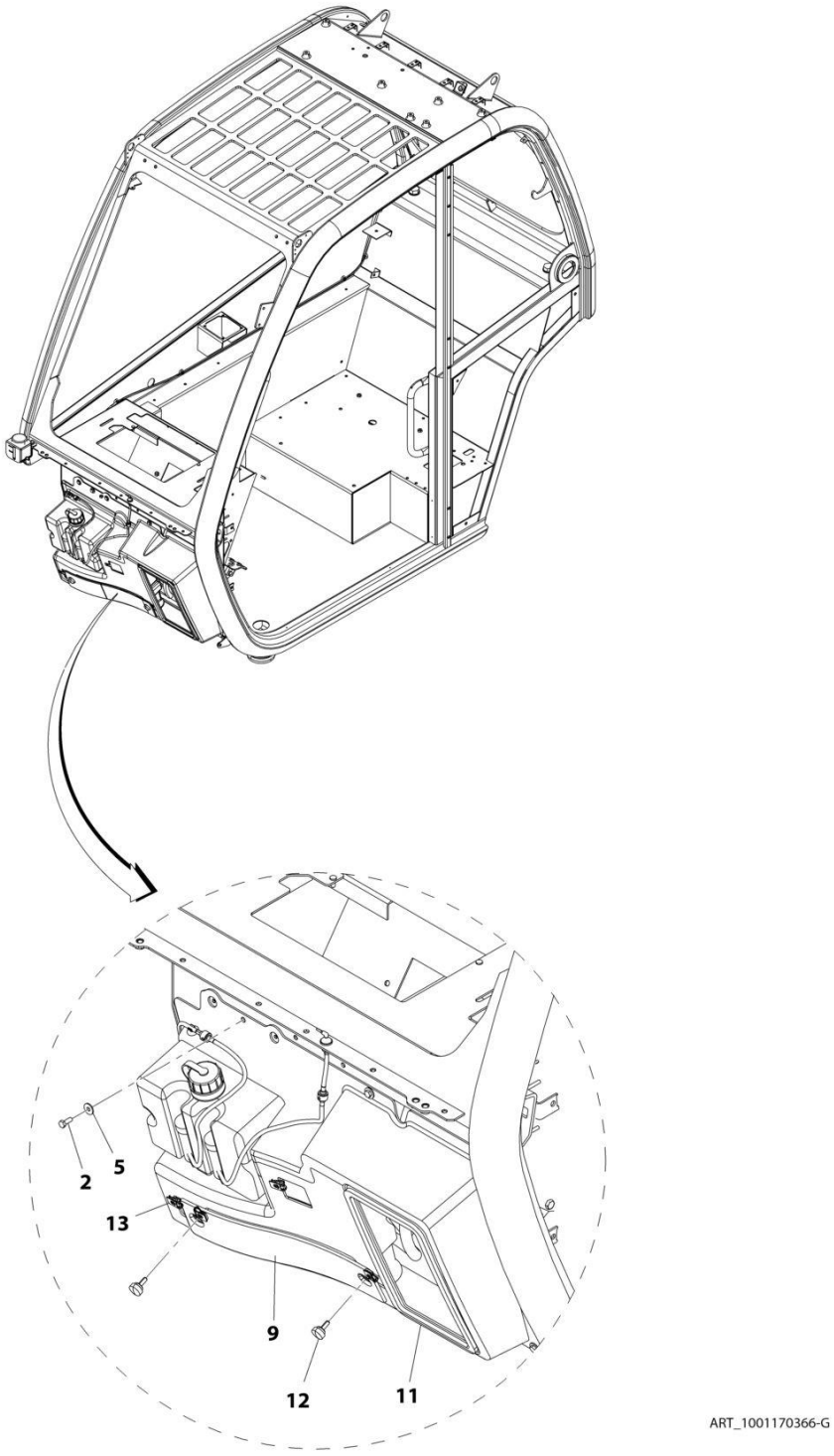


FIGURE 6-32. FRONT COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170366	Ref	Front Cover Installation	G
2	0760608	7	Bolt, M6X16	
5	4811702	7	Washer, M6	
9	1001175471	1	Panel, Filter Tray (See Separate Breakdown in this Section)	
11	1001176121	1	Cover, Front Duct (See Separate Breakdown in this Section)	
12	2080092	2	Thumb Screw, M6X16	
13	8305919	4	Nut, M6	

FIGURE 6-33. FIRE EXTINGUISHER INSTALLATION

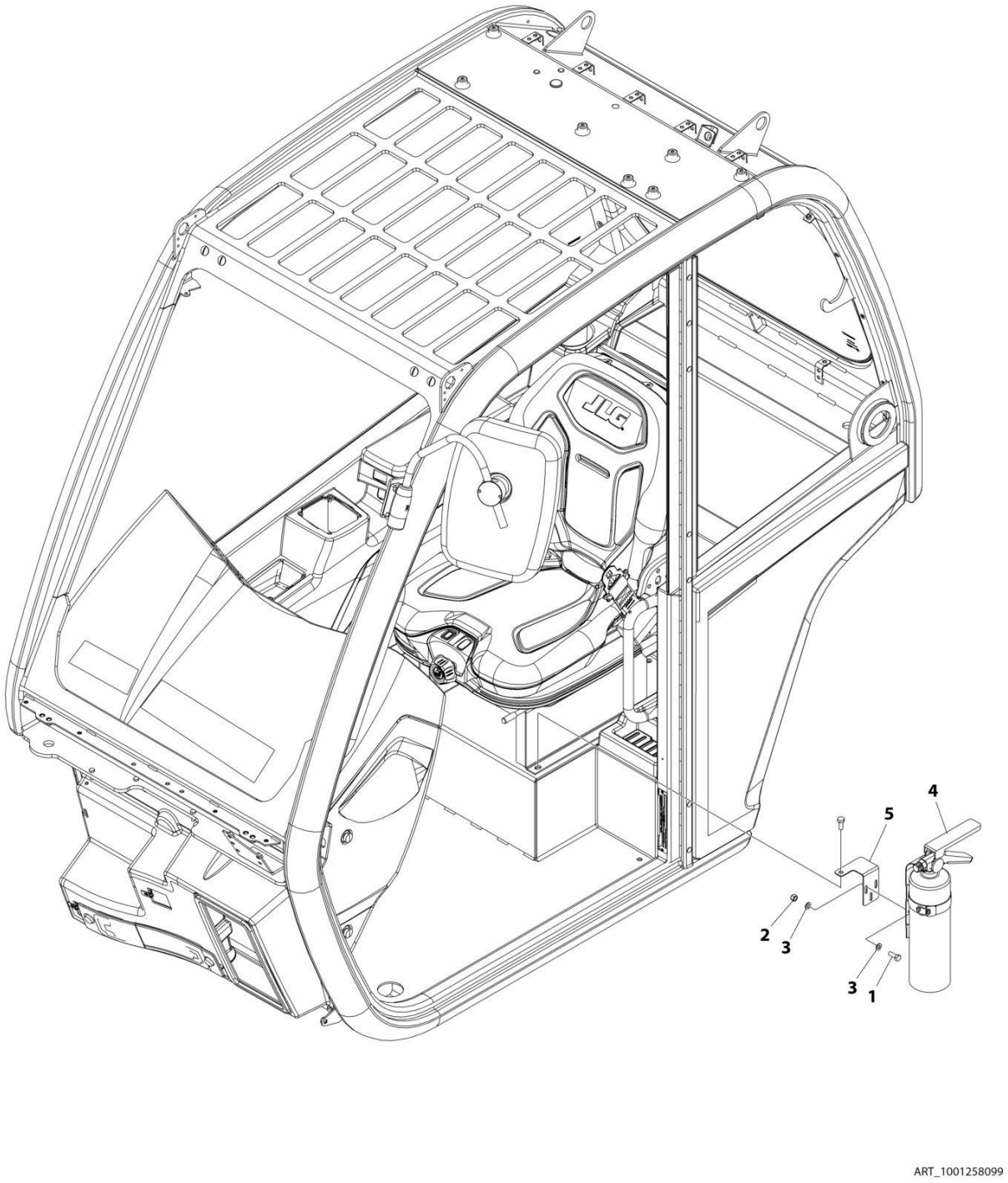
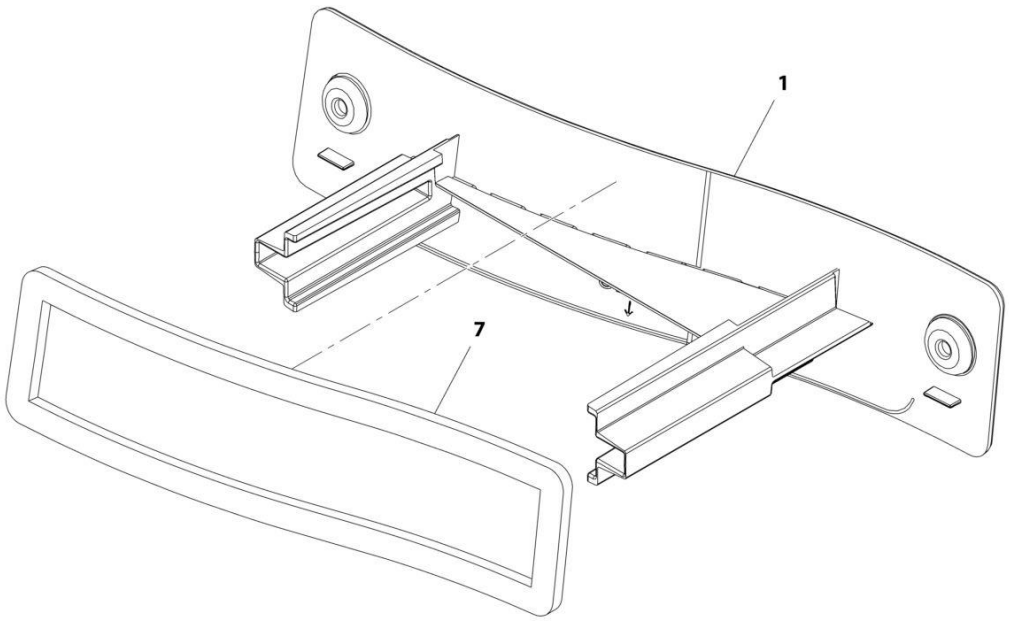


FIGURE 6-33. FIRE EXTINGUISHER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258099	Ref	FIRE EXTINGUISHER INSTALLATION	A
1	0760507	3	Bolt M5X14	
2	3290505	3	Nut M5	
3	4811600	6	Washer M5	
4	1001099699	1	Fire Extinguisher Assy	
5	1001241337	1	Bracket	

FIGURE 6-34. FILTER TRAY PANEL



ART_1001175471-D

FIGURE 6-34. FILTER TRAY PANEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175471	Ref	Filter Tray Panel	D
1	1001170993	1	Panel, Front Inlet	
7	1001171767	1	Cab, Front Panel Seal	

FIGURE 6-35. FRONT DUCT COVER

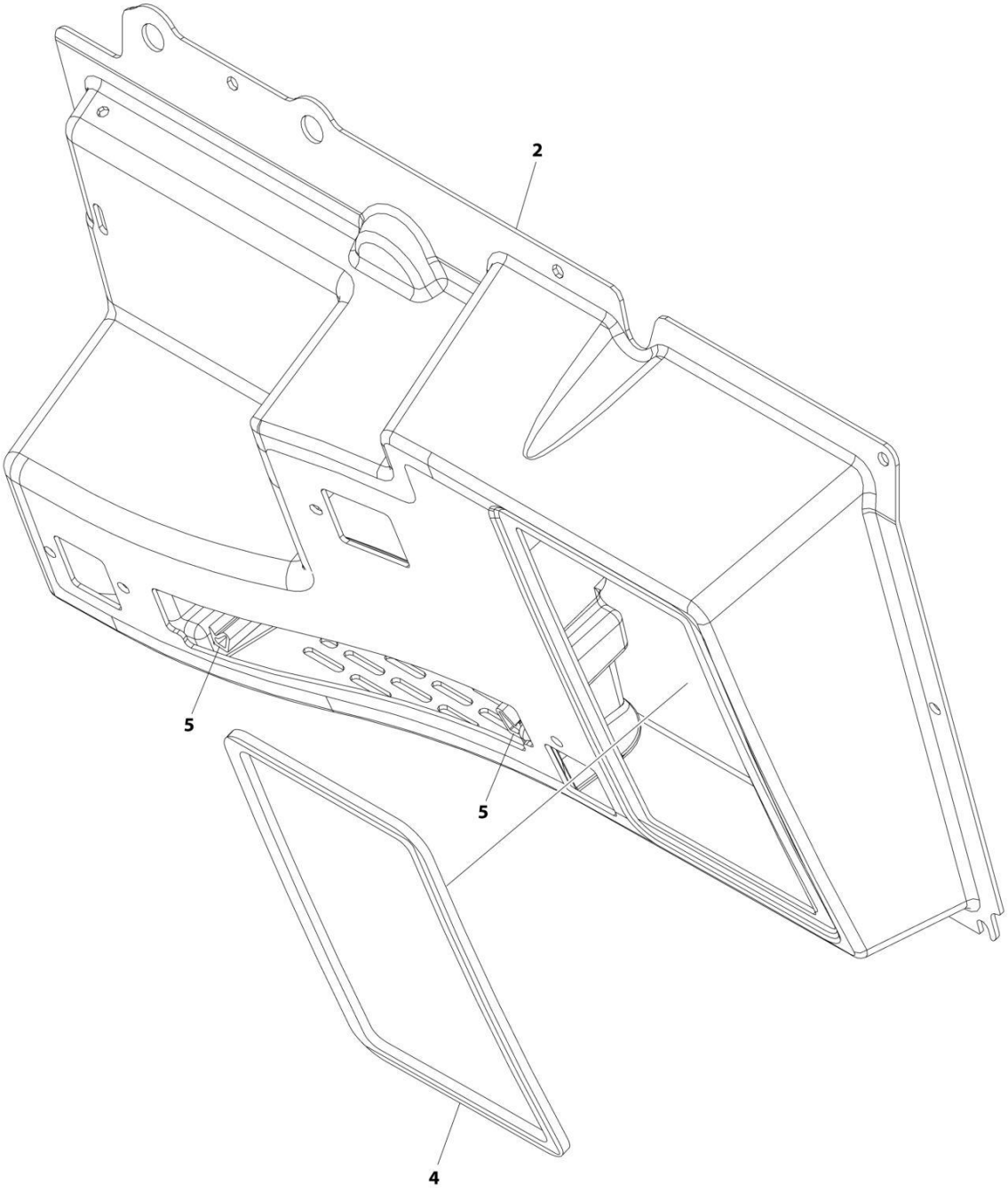


FIGURE 6-35. FRONT DUCT COVER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176121	Ref	FRONT DUCT COVER	H
2	1001170326	1	Cover, Front	
4	1001175470	1	Seal, Front Cab Panel	
5	1001270117	AR	Seal, Bulb	

FIGURE 6-36. LEVEL INDICATOR INSTALLATION

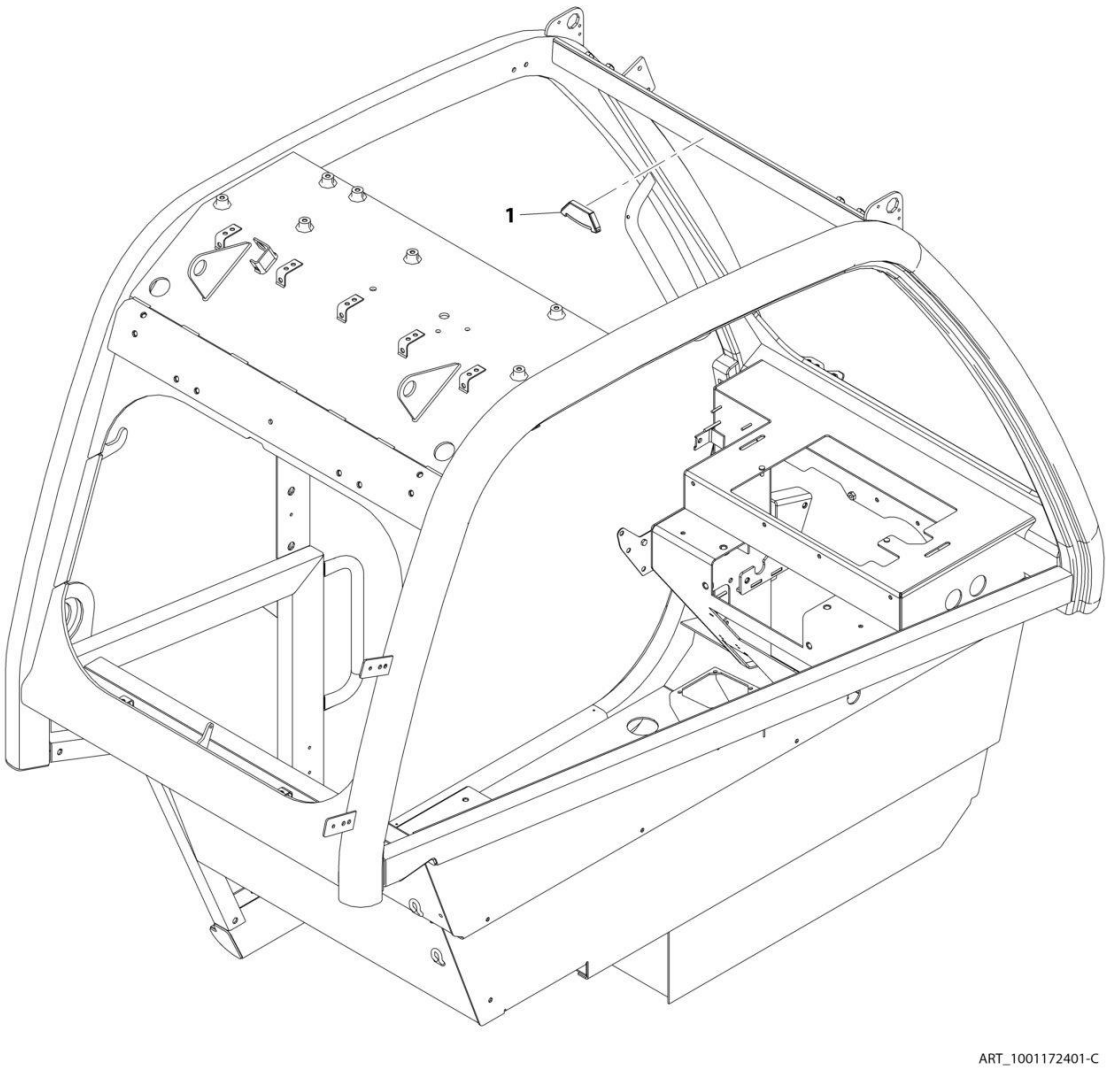


FIGURE 6-36. LEVEL INDICATOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172401	Ref	Level Indicator Installation	C
1	8466306	1	Gauge, Tilt Angle	

FIGURE 6-37. SEAT INSTALLATION - CLOTH (BLACK SEAT BELT)

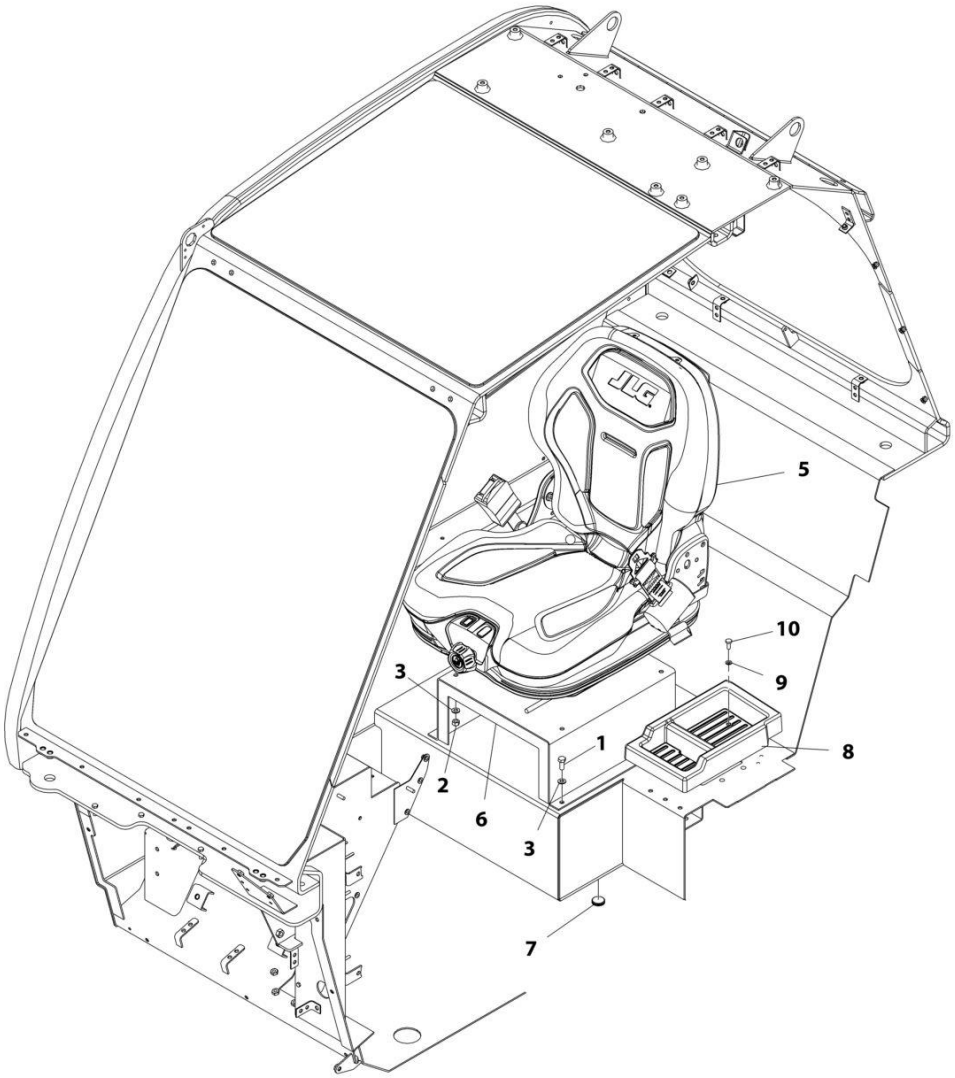


FIGURE 6-37. SEAT INSTALLATION - CLOTH (BLACK SEAT BELT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164615	Ref	Seat Installation	H
1	0760810	4	Bolt, M8X20	
2	3311505	4	Nut, Lock 5/16-18	
3	4811900	8	Washer, M8	
5	1001197027	1	Seat (See Separate Breakdown in this Section)	
6	1001164498	1	Plinth, Seat	
7	1001196076	1	Plug	
8	1001170515	1	Insert, Storage Tray	
9	4811700	1	Washer, M6	
10	4010608002	1	Screw, Posi-Drive, M6X16	

FIGURE 6-38. SEAT INSTALLATION - CLOTH (ORANGE SEAT BELT)

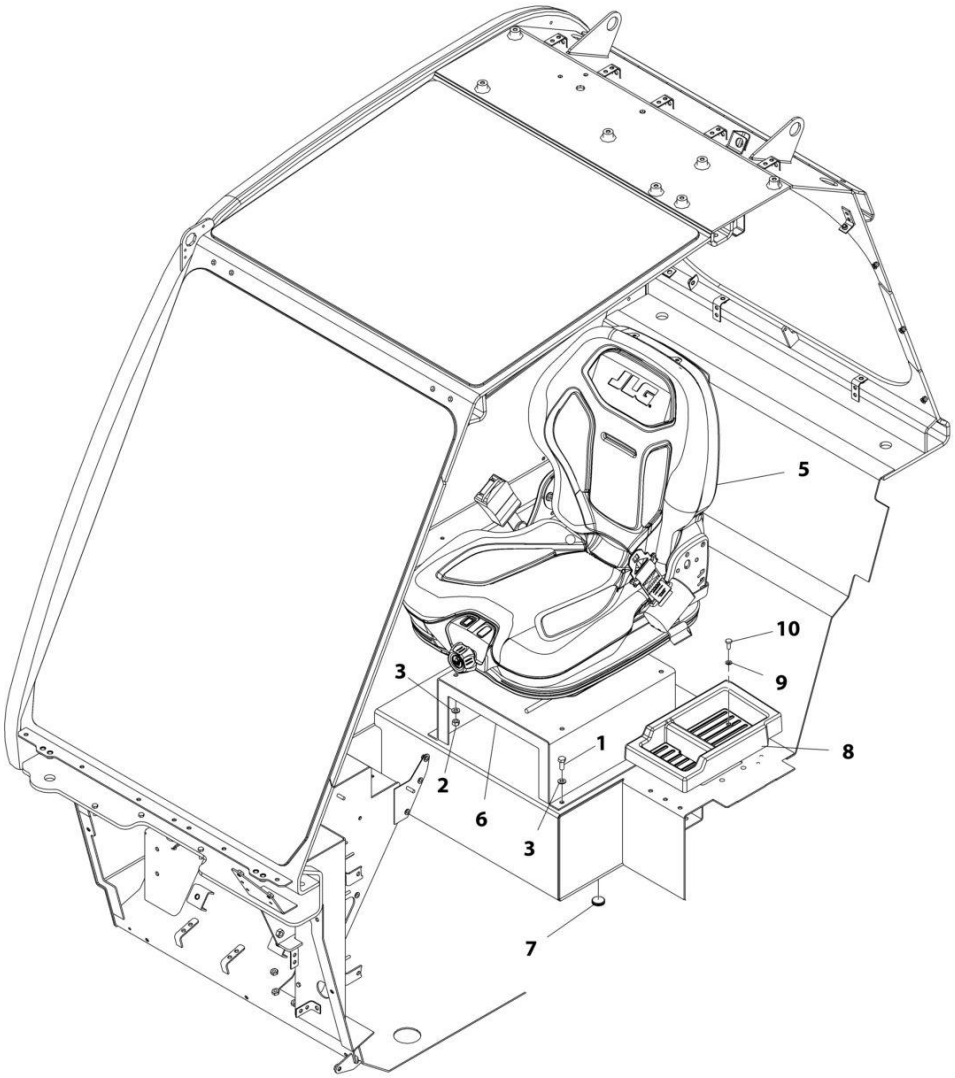


FIGURE 6-38. SEAT INSTALLATION - CLOTH (ORANGE SEAT BELT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164615	Ref	Seat Installation	I
1	0760810	4	Bolt, M8X20	
2	3311505	4	Nut, Lock 5/16-18	
3	4811900	8	Washer, M8	
5	1001275929	1	Seat (See Separate Breakdown in this Section)	
6	1001164498	1	Plinth, Seat	
7	1001196076	1	Plug	
8	1001170515	1	Insert, Storage Tray	
9	4811700	1	Washer, M6	
10	4010608002	1	Screw, Posi-Drive, M6X16	

FIGURE 6-39. SEAT INSTALLATION - VINYL

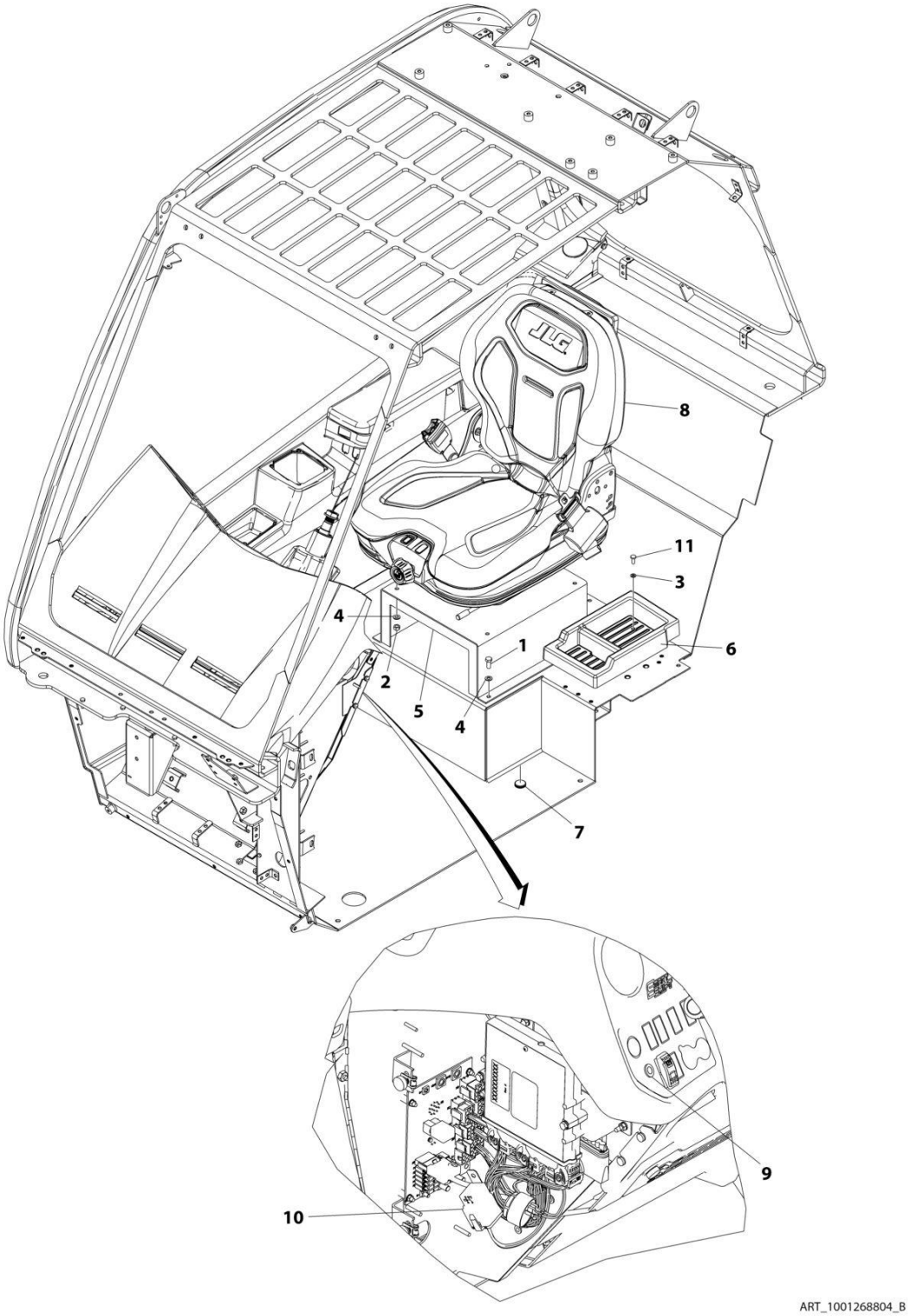


FIGURE 6-39. SEAT INSTALLATION - VINYL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268804	Ref	SEAT INSTALLATION - VINYL	B
1	0760810	1	Bolt M8 x 20	
2	3311505	1	Nut 5/16	
3	4811700	1	Washer M6	
4	4811900	1	Washer M8	
5	1001164498	1	Plinth, Seat	
6	1001170515	1	Insert, Storage Tray	
7	1001196076	1	Plug	
8	1001275931	1	Seat Assembly (See Separate Breakdown in this Section)	
9	1001266488	1	Light, Indicator - Red	
10	1001268744	1	Harness, Seat Belt Alarm (See Separate Breakdown in ELECTRICAL Section)	
11	4010608002	1	Screw M6 x 16	

FIGURE 6-40. SEAT ASSEMBLY - CLOTH (BLACK SEAT BELT)

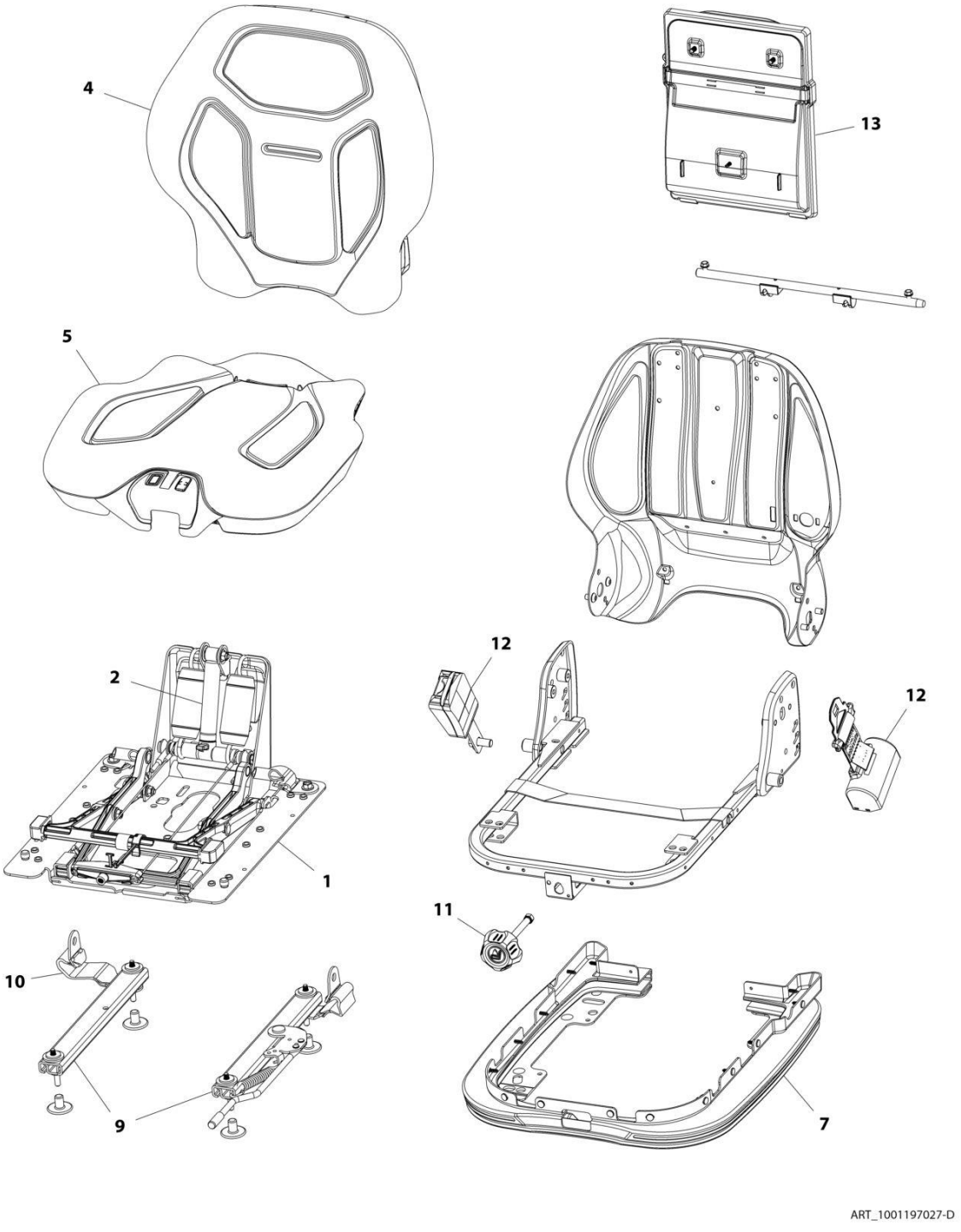


FIGURE 6-40. SEAT ASSEMBLY - CLOTH (BLACK SEAT BELT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197027	Ref	Seat	E
1	70027024	1	Suspension Assembly Kit	
2	70027025	1	Spring Saddle Assembly Kit	
4	70027026	1	Back Cushion Kit	
5	70027028	1	Seat Cushion Assembly Kit	
7	70027030	1	Boot Kit	
9	7026798	1	Adjuster Kit	
10	70027032	1	Tether Strap	
11	70027033	1	Weight Adjust Knob Kit	
12	70027034	2	Seat Belt Kit	
13	70027035	1	Document Box Kit	

FIGURE 6-41. SEAT ASSEMBLY - CLOTH (ORANGE SEAT BELT)

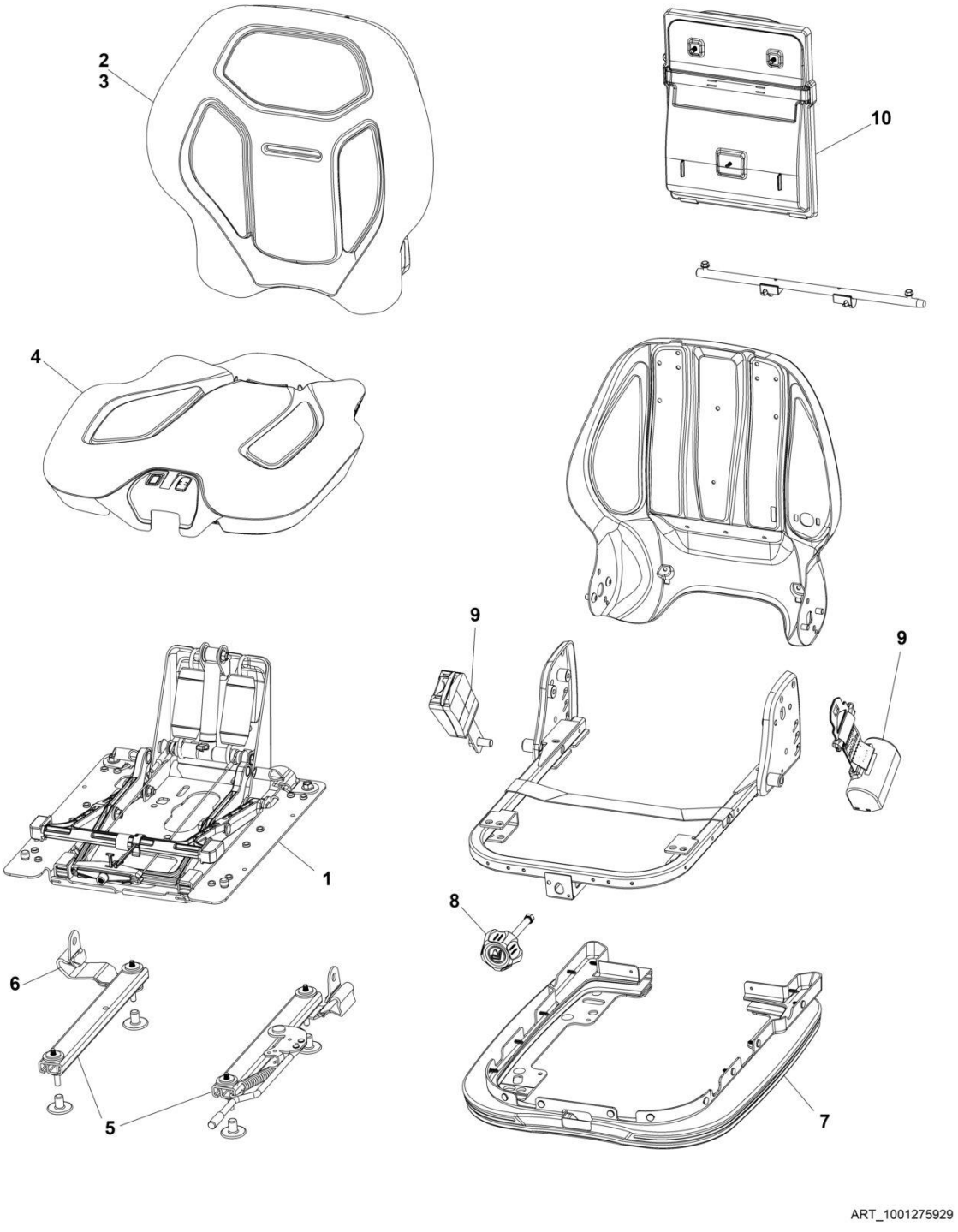


FIGURE 6-41. SEAT ASSEMBLY - CLOTH (ORANGE SEAT BELT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275929	Ref	Seat Assembly	A
1	70027024	1	Suspension Kit	
2	70027026	1	Back Cushion Kit (JLG)	
3	70027027	1	Back Cushion Kit (CAT)	
4	70027028	1	Seat Cushion Kit	
5	7026798	1	Adjuster Kit	
6	70027032	1	Tether strap	
7	70027030	1	Boot Kit	
8	70027033	1	Weight Adjust Knob Kit	
9	1001275933	1	Seat Belt	
10	70027035	1	Document box Kit	

FIGURE 6-42. SEAT ASSEMBLY - VINYL



FIGURE 6-42. SEAT ASSEMBLY - VINYL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001275931	Ref	SEAT ASSEMBLY - VINYL	A
		Ref	Note: No Service Parts Available at Time of Printing	

FIGURE 6-43. SEAT BELT INSTALLATION (3 INCH)

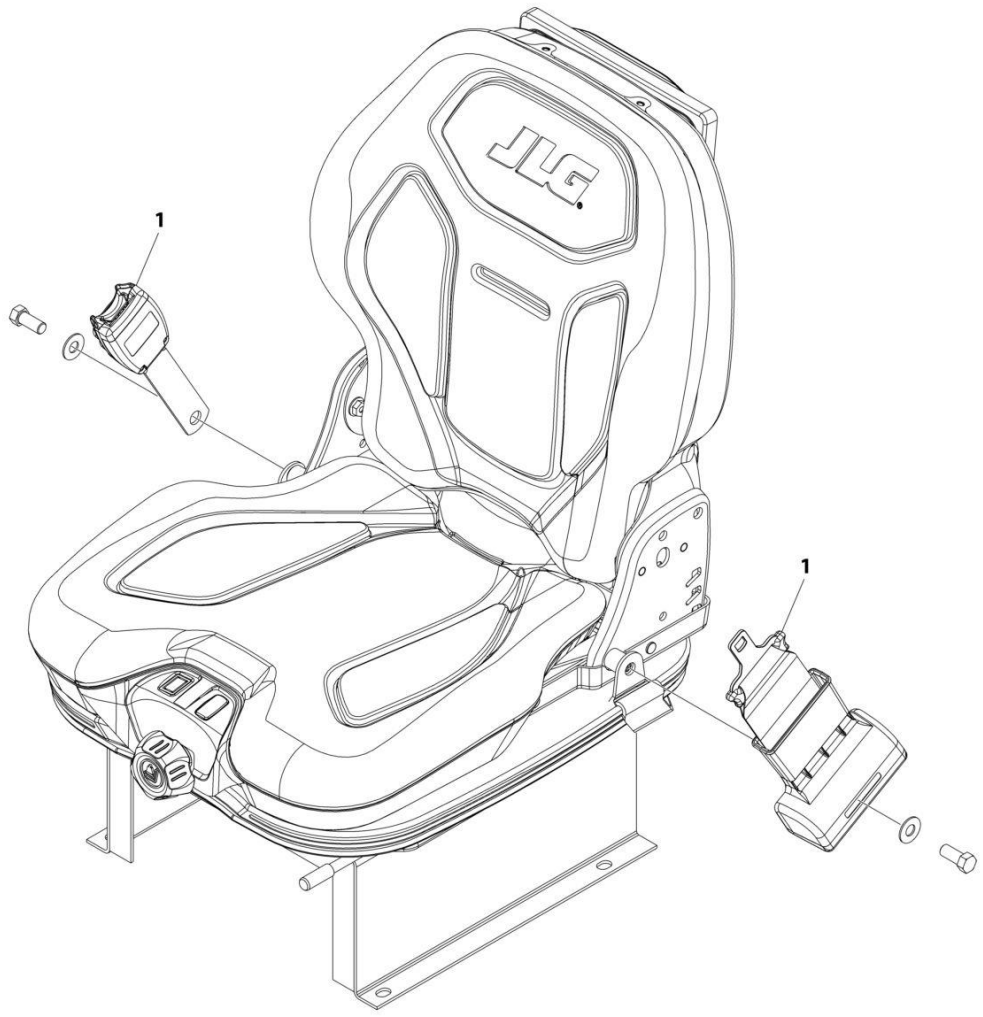


FIGURE 6-43. SEAT BELT INSTALLATION (3 INCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258245	Ref	Seat Belt Installation (3in Width)	B
1	1001258244	1	Seat Belt (3in) (Black Strap)	
1	1001275933	1	Seat Belt (3in) (Orange Strap)	

FIGURE 6-44. HEATER INSTALLATION

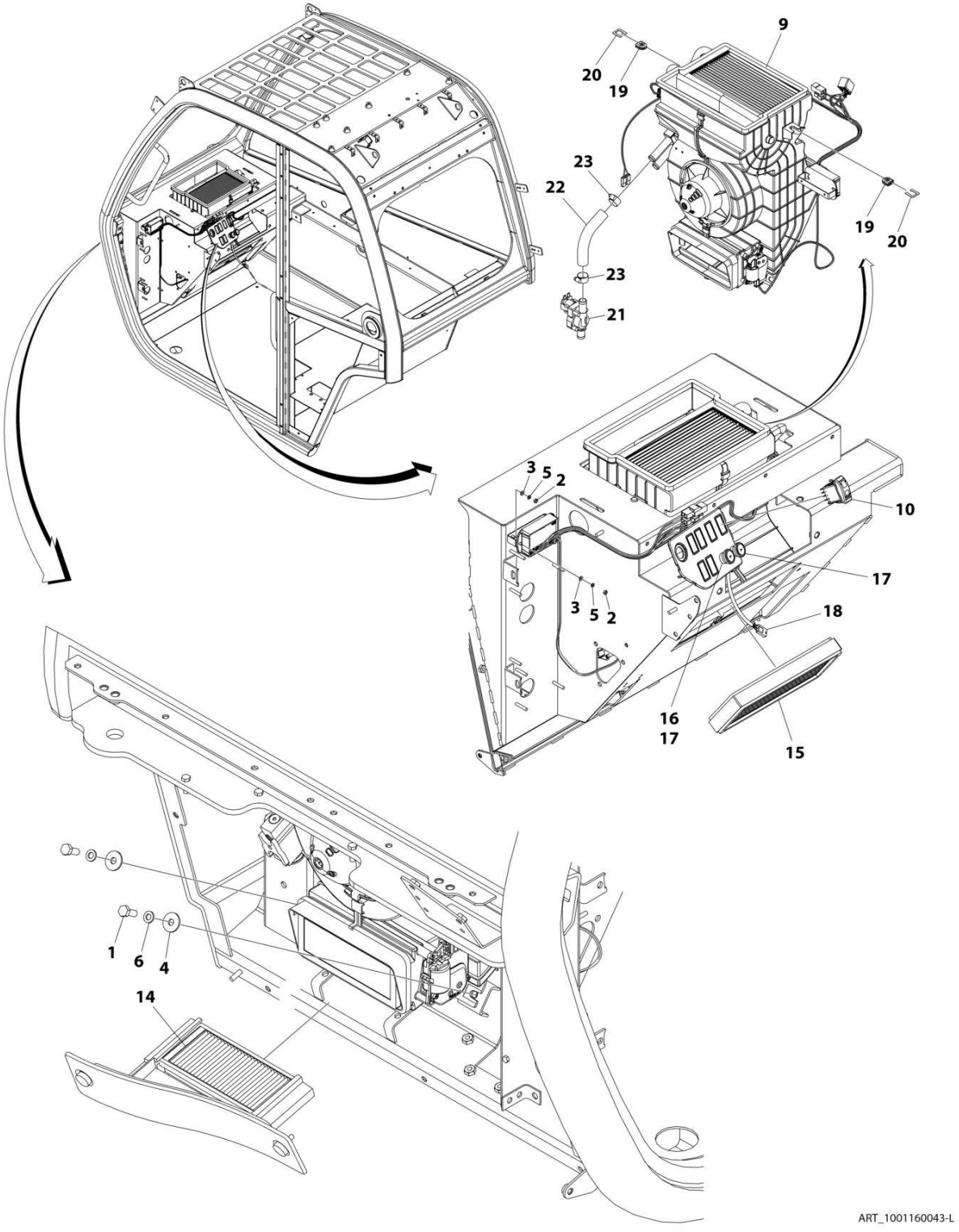
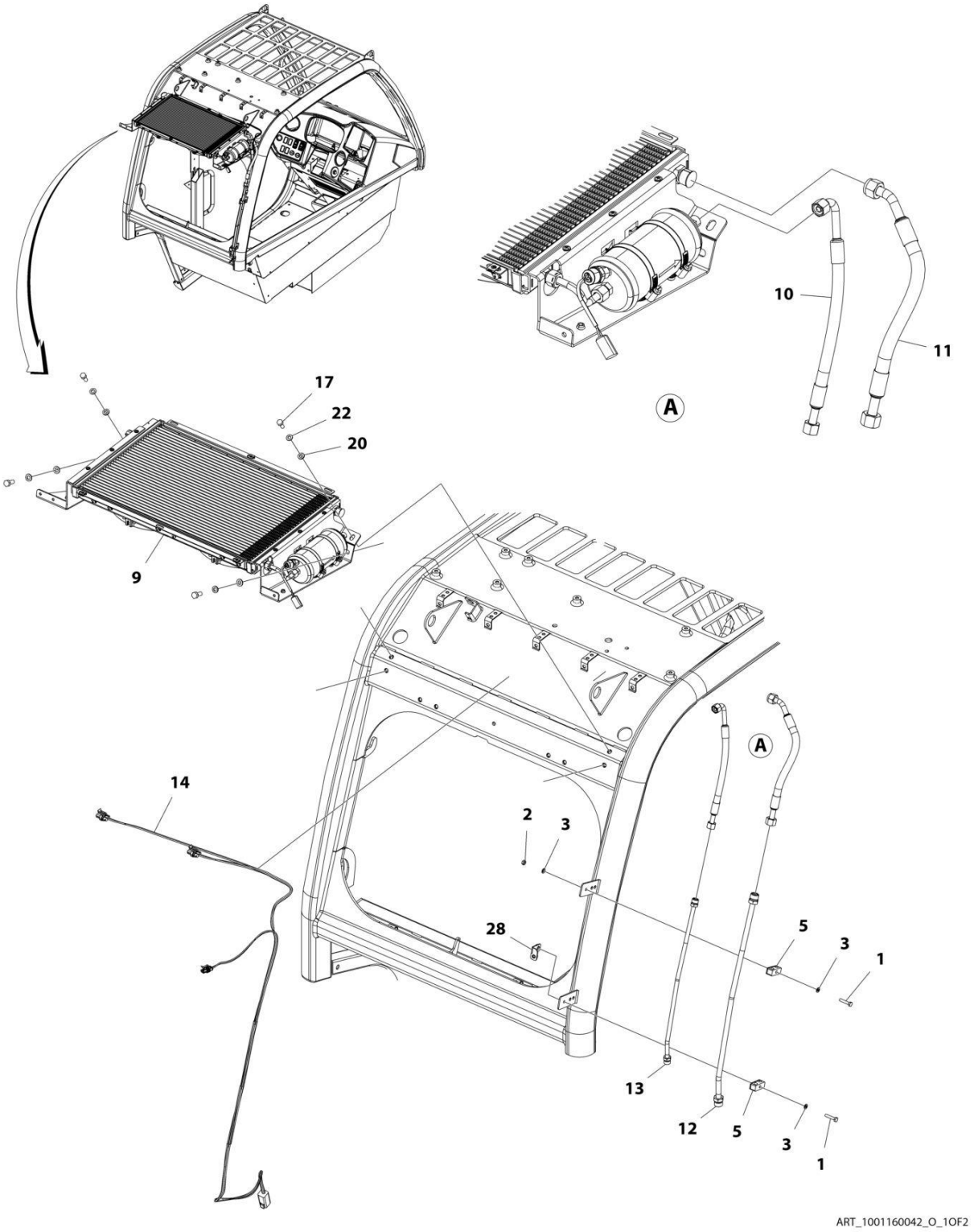


FIGURE 6-44. HEATER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160043	Ref	HEATER INSTALLATION	L
1	0760810	2	Bolt M8 x 20	
2	3290401	4	Nut M4	
3	4811400	4	Washer M4	
4	4811902	2	Washer M8	
5	4831400	4	Washer M4	
6	4831900	2	Washer M8	
9	1001268827	1	Assembly, Heater (See Separate Breakdown in this Section)	
10	1001159925	1	Switch, HVAC Recycle	
14	1001218996	1	Filter, HVAC Air	
15	1001172553	1	Filter, HVAC Recirculation Air	
16	1001172547	1	Switch, HVAC Rotary 3 Speed	
17	1001172550	2	Knob, HVAC Control	
18	1001270976	1	Cable, HVAC	
19	1001188590	2	Grommet	
20	1001218542	2	Shim	
21	1001221059	1	Valve, Water	
22	1001221295	1	House	
23	8410009	2	Clamp	

FIGURE 6-45. HEATER AND A/C INSTALLATION (CAB PARTS)



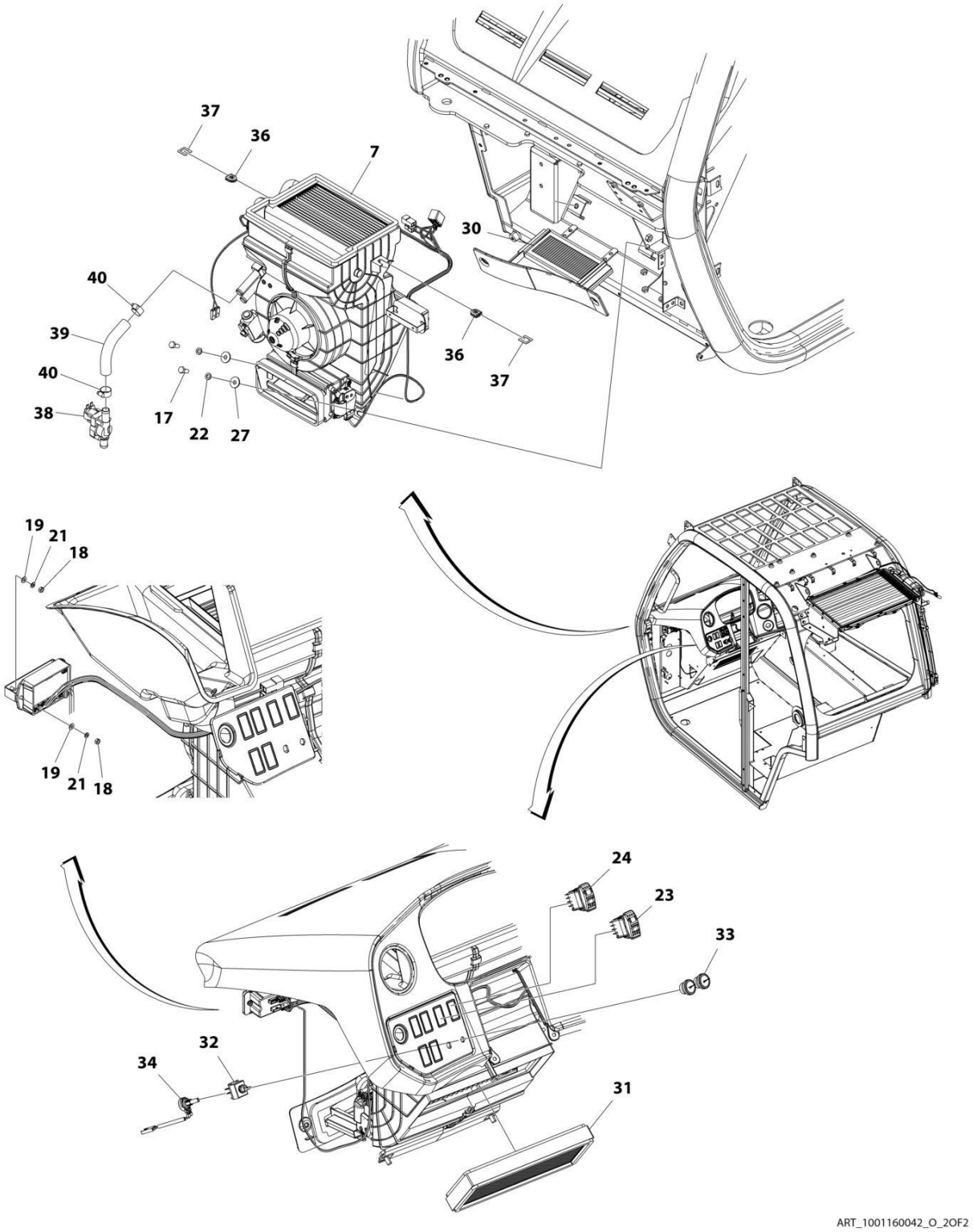

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FIGURE 6-45. HEATER AND A/C INSTALLATION (CAB PARTS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160042	Ref	HEATER AND A/C INSTALLATION (CAB PARTS)	O
1	0700614	2	Bolt M6 x 30	
2	3290601	1	Nut M6	
3	4811700	3	Washer M6	
5	1001145539	2	Support, Pipe	
7	1001268831	1	Assembly, Heater and A/C (See Separate Breakdown in this Section)	
9	1001162953	1	Assembly, Cab Condenser (See Separate Breakdown in this Section)	
10	1001168327	1	Hose	
11	1001168330	1	Hose	
12	1001168331	1	Tube	
13	1001168456	1	Tube	
14	1001169151	1	Harness, A/C Option (See Separate Breakdown in ELECTRICAL Section)	
17	0760810	6	Bolt M8 x 20 GR8.8	
18	3290401	4	Nut M4	
19	4811400	4	Washer M4	
20	4811900	4	Washer M8	
21	4831400	4	Washer M4	
22	4831900	6	Washer M8	
23	1001159925	1	Switch, HVAC Recycle	
24	1001160326	1	Switch, HVAC On/Off	
27	4811902	2	Washer M8	
28	1001178170	1	Bracket	
30	1001218996	1	Filter, HVAC Fresh Air	
31	1001172553	1	Filter, HVAC Air Recirculation	
32	1001172547	1	Switch, HVAC Rotary 3 Speed	
33	1001172550	2	Knob, HVAC Control	
34	1001270976	1	Cable, HVAC	
35	1320022	1	Clamp	
36	1001188590	2	Grommet	
37	1001218542	2	Shim	
38	1001221059	1	Valve, Water	
39	1001221295	1	Hose	
40	8410009	2	Clamp	

FIGURE 6-46. HEATER ASSEMBLY

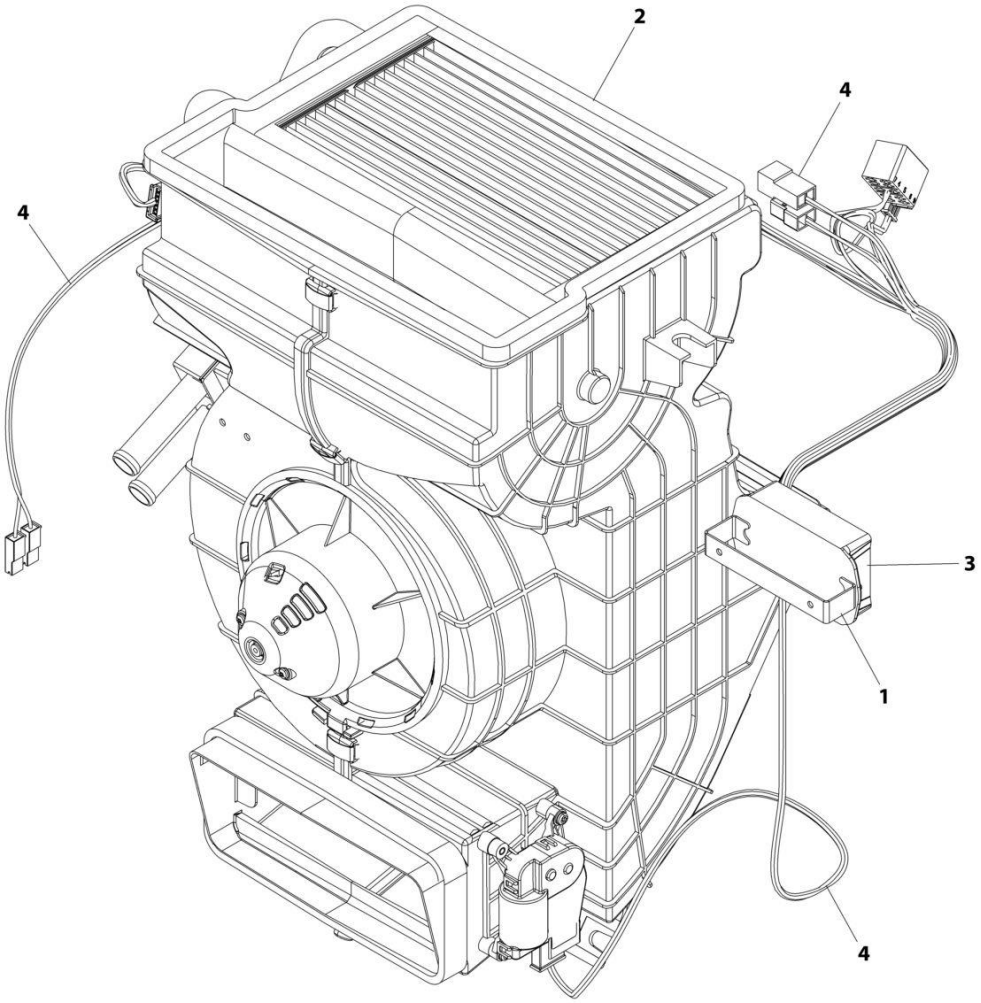


FIGURE 6-46. HEATER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268827	Ref	HEATER ASSEMBLY	B
1	1001264976	1	Bracket	
2	1001268828	1	Heater, Cab (See Separate Breakdown in this Section)	
3	1001268829	1	Actuator, HVAC Cab	
4	1001268830	1	Harness, HVAC Actuator (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 6-47. HEATER ASSEMBLY

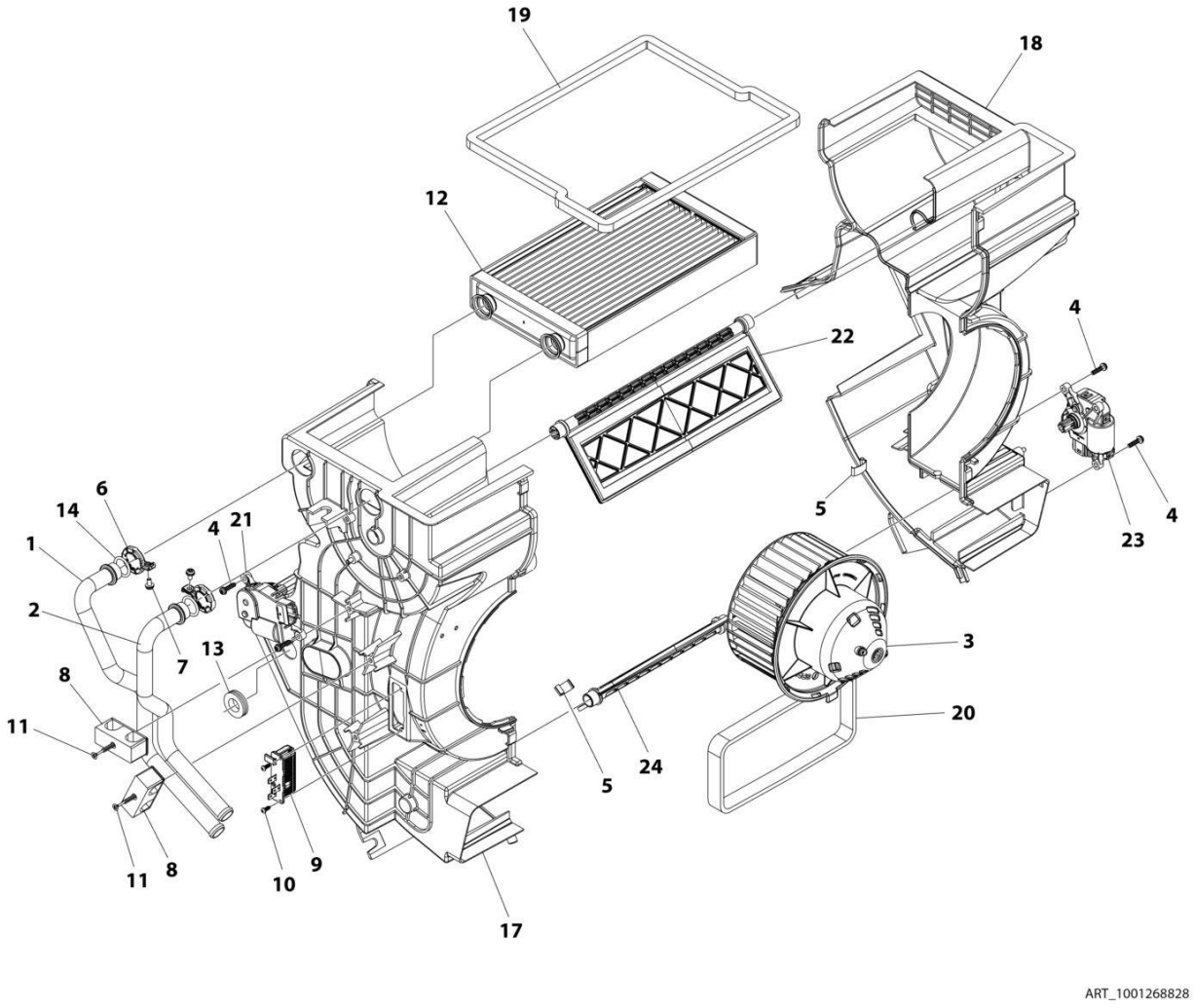


FIGURE 6-47. HEATER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268828	Ref	HEATER	B
1	1001184296	1	Pipe, Water	
2	1001184297	1	Pipe, Water	
3	1001188594	1	Fan, 12V	
4	1001188602	4	Screw	
5	1001188603	9	Clamp	
6	1001188604	2	Clamp	
7	1001188610	2	Screw	
8	1001188612	2	Clamp	
9	1001188614	1	Resistor	
10	1001188720	2	Screw	
11	1001188725	2	Screw	
12	1001188729	1	Radiator, Heater Core	
13	1001188733	1	Grommet	
14	1001189025	2	O-Ring	
17	1001269555	1	Housing, RH	
18	1001269556	1	Housing, LH	
19	1001269558	1	Foam, Air Outlet	
20	1001269559	1	Foam, Air Inlet	
21	1001269560	1	Actuator, Fresh/Recirculation Air	
22	1001269561	1	Flap, Mixing	
23	1001269563	1	Actuator, Fresh/Recirculation Air	
24	1001269564	1	Flap, HVAC Fresh	

FIGURE 6-48. HEATER AND A/C ASSEMBLY

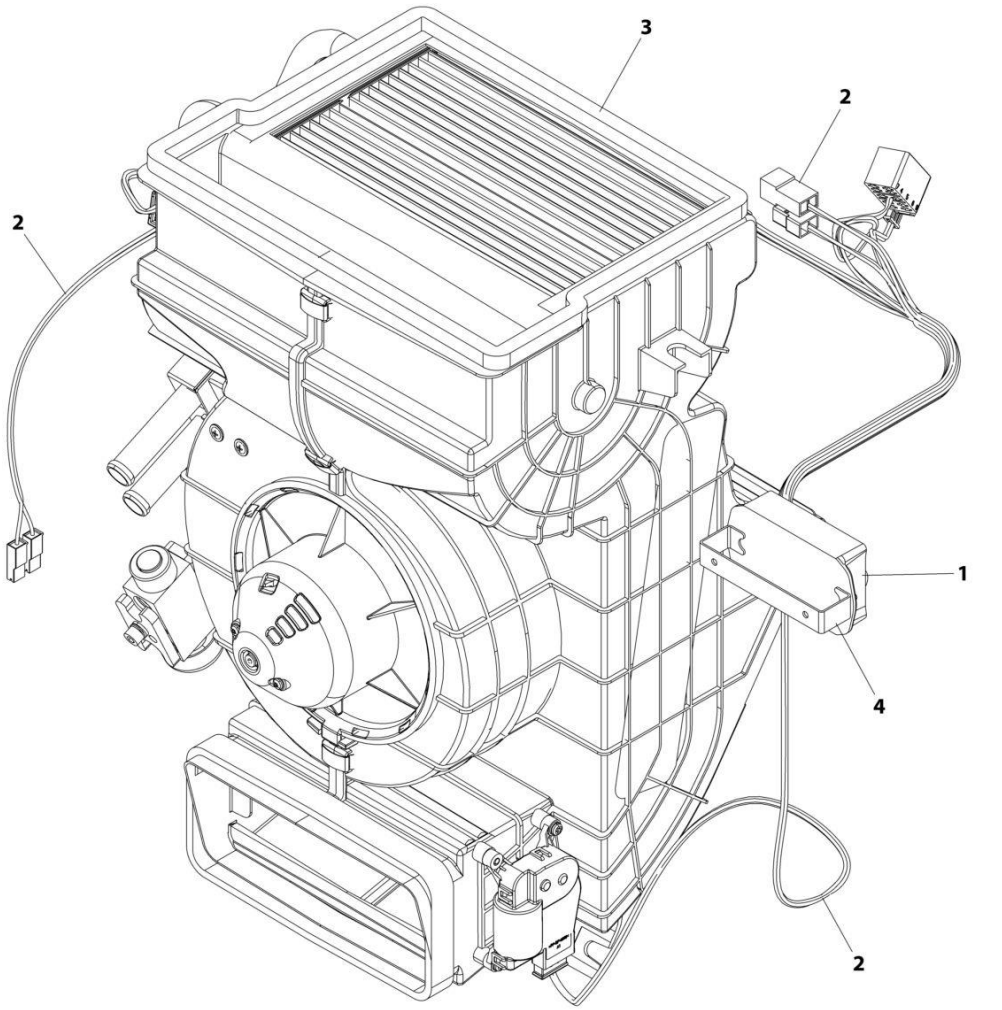


FIGURE 6-48. HEATER AND A/C ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268831	Ref	HEATER AND A/C ASSEMBLY	B
1	1001268829	1	Actuator, HVAC Cab	
2	1001268830	1	Harness, HVAC Actuator (See Separate Breakdown in this Section)	
3	1001268832	1	Heater and A/C (See Separate Breakdown in this Section)	
4	1001264976	1	Bracket	

FIGURE 6-49. HEATER AND A/C ASSEMBLY

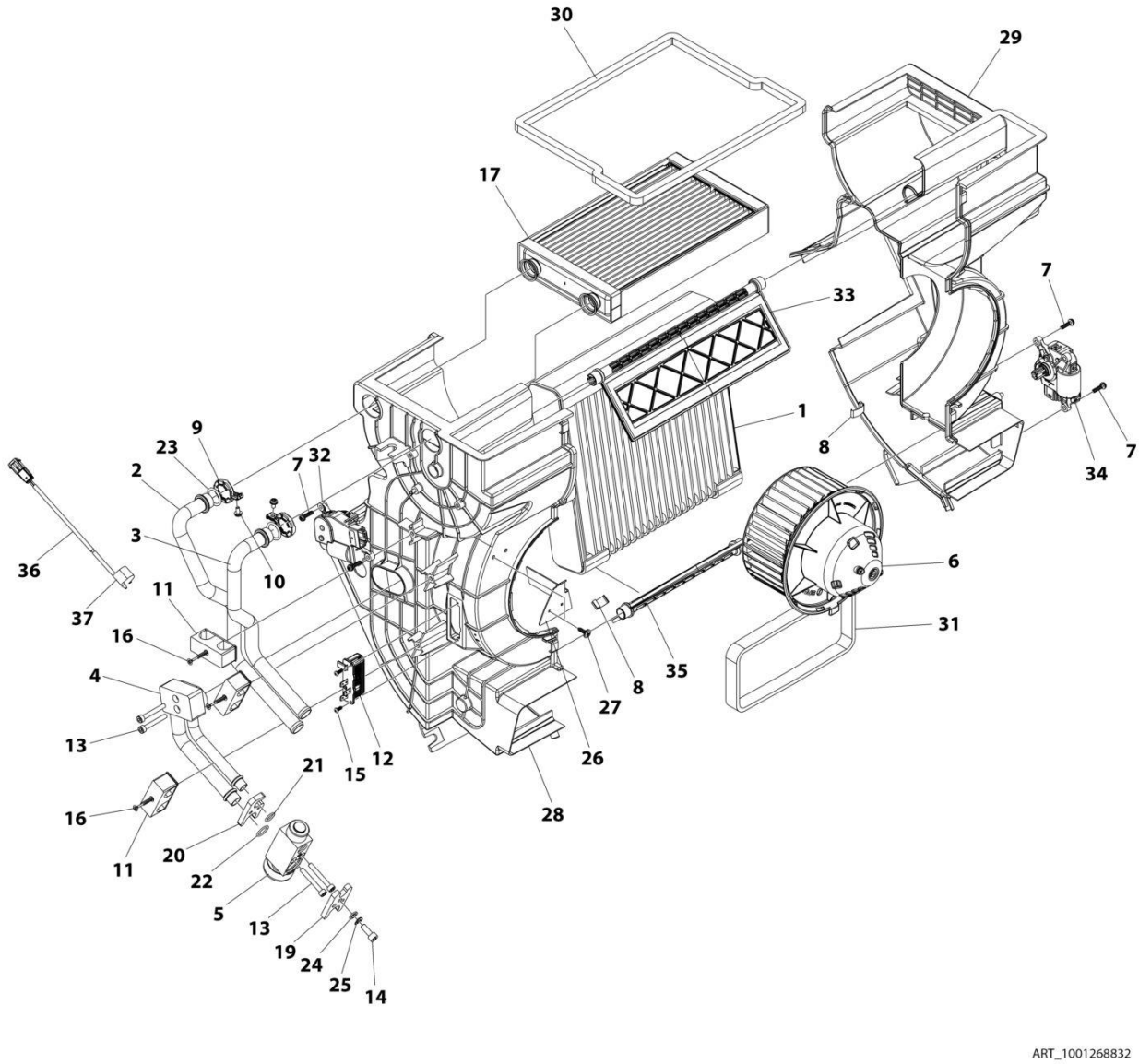


FIGURE 6-49. HEATER AND A/C ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268832	Ref	HEATER AND A/C	B
1	1001184280	1	Evaporator, Heater	
2	1001184296	1	Pipe, Heater Water	
3	1001184297	1	Pipe, Heater Water	
4	1001184427	1	Pipe, Heater	
5	1001188592	1	Valve, HVAC Expansion	
6	1001188594	1	Fan, HVAC Centrifugal 12V	
7	1001188602	4	Screw M4	
8	1001188603	9	Clamp, HVAC Case	
9	1001188604	2	Clamp, HVAC Pipe	
10	1001188610	2	Screw M4	
11	1001188612	3	Clamp, Pipe	
12	1001188614	1	Resistor	
13	1001188618	4	Screw M5	
14	1001188619	1	Screw M6	
15	1001188720	2	Screw M2.9 x 9.5	
16	1001188725	3	Screw M4 x 35	
17	1001188729	1	Radiator, Heater Core	
19	1001188817	1	Clamp, Hose	
20	1001188818	1	Clamp, HVAC EVAP/Valve	
21	1001189023	1	O-Ring	
22	1001189024	1	O-Ring	
23	1001189025	2	O-Ring	
24	1001189048	1	Washer	
25	1001189054	1	Washer, Spring	
26	1001221057	1	Plate	
27	1001221058	2	Screw	
28	1001269555	1	Housing, HVAC RH	
29	1001269556	1	Housing, HVAC LH	
30	1001269558	1	Seal, Heater Outlet Foam	
31	1001269559	1	Seal, Air Inlet Foam	
32	1001269560	1	Actuator, Hot/Cold Mixing	
33	1001269561	1	Foam, Heater Mixing Flap	
34	1001269563	1	Actuator, Fresh/Recirculation Air	
35	1001269564	1	Foam, Heater Mixing Flap	
36	1001269578	1	Temperature Sensor	
37	1001269579	1	Clamp, Temperature Sensor	

FIGURE 6-50. CAB CONDENSER ASSEMBLY

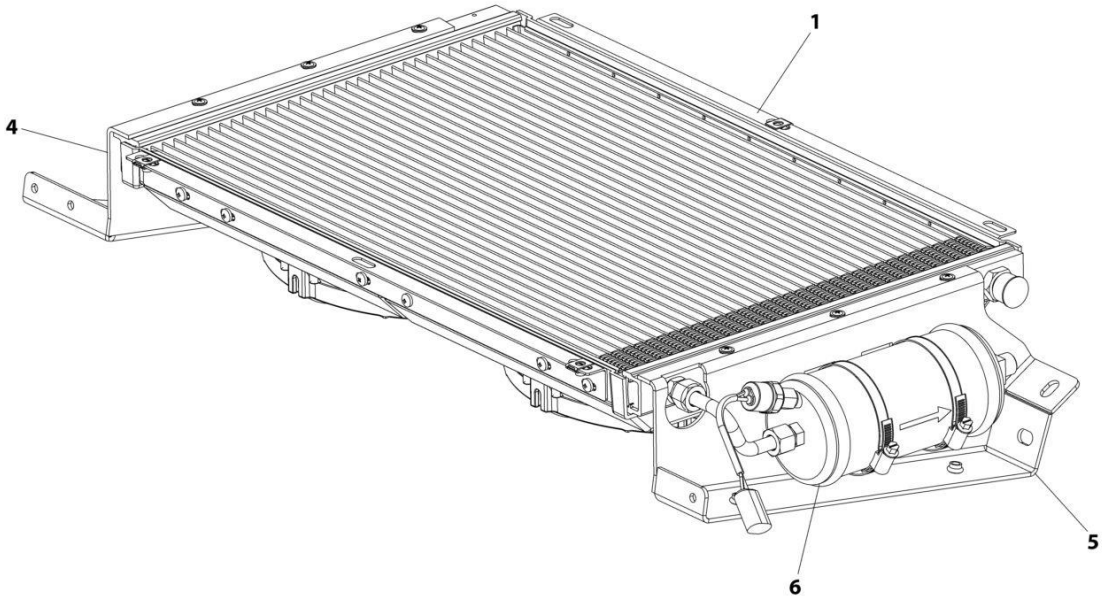


FIGURE 6-50. CAB CONDENSER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162953	Ref	Cab Condenser Assembly	G
1	1001167266	1	Condenser (See Separate Breakdown in this Section)	
4	1001179080	1	Bracket	
5	1001179081	1	Bracket	
6	1001179130	1	Drier, A/C Receiver (See Separate Breakdown in this Section)	

FIGURE 6-51. A/C RECEIVER DRIER

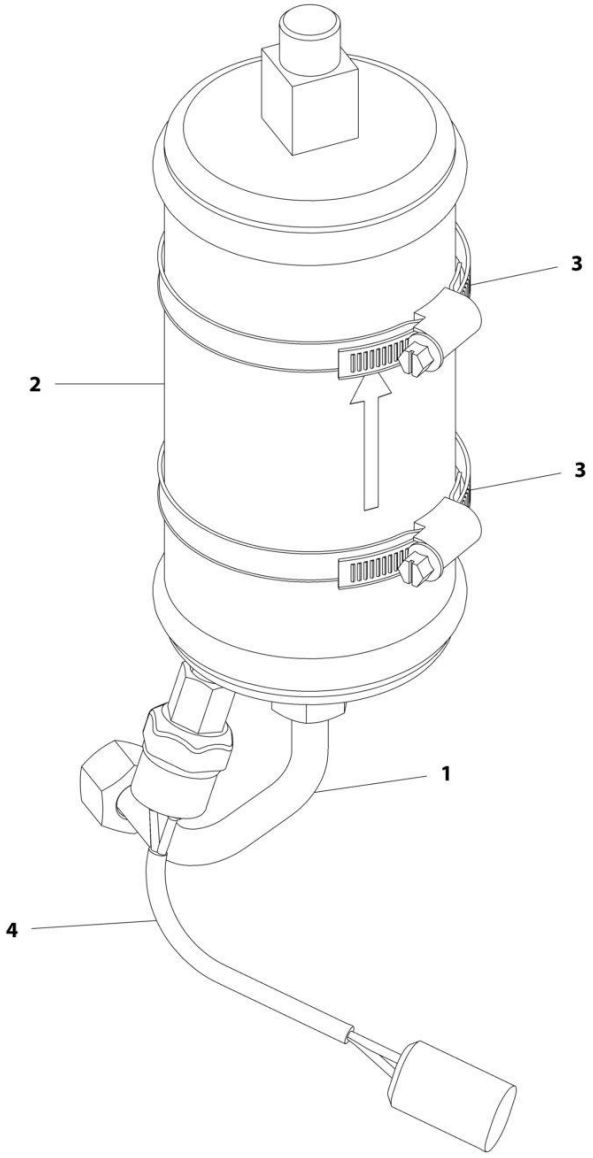


FIGURE 6-51. A/C RECEIVER DRIER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179130	Ref	A/C Receiver Drier	B
1	1001184403	1	Tube, Heater	
2	1001184404	1	Receiver, Heater Drier	
3	1001184405	2	Clamp	
4	1001184406	1	Connector, Heater	

FIGURE 6-52. CONDENSER

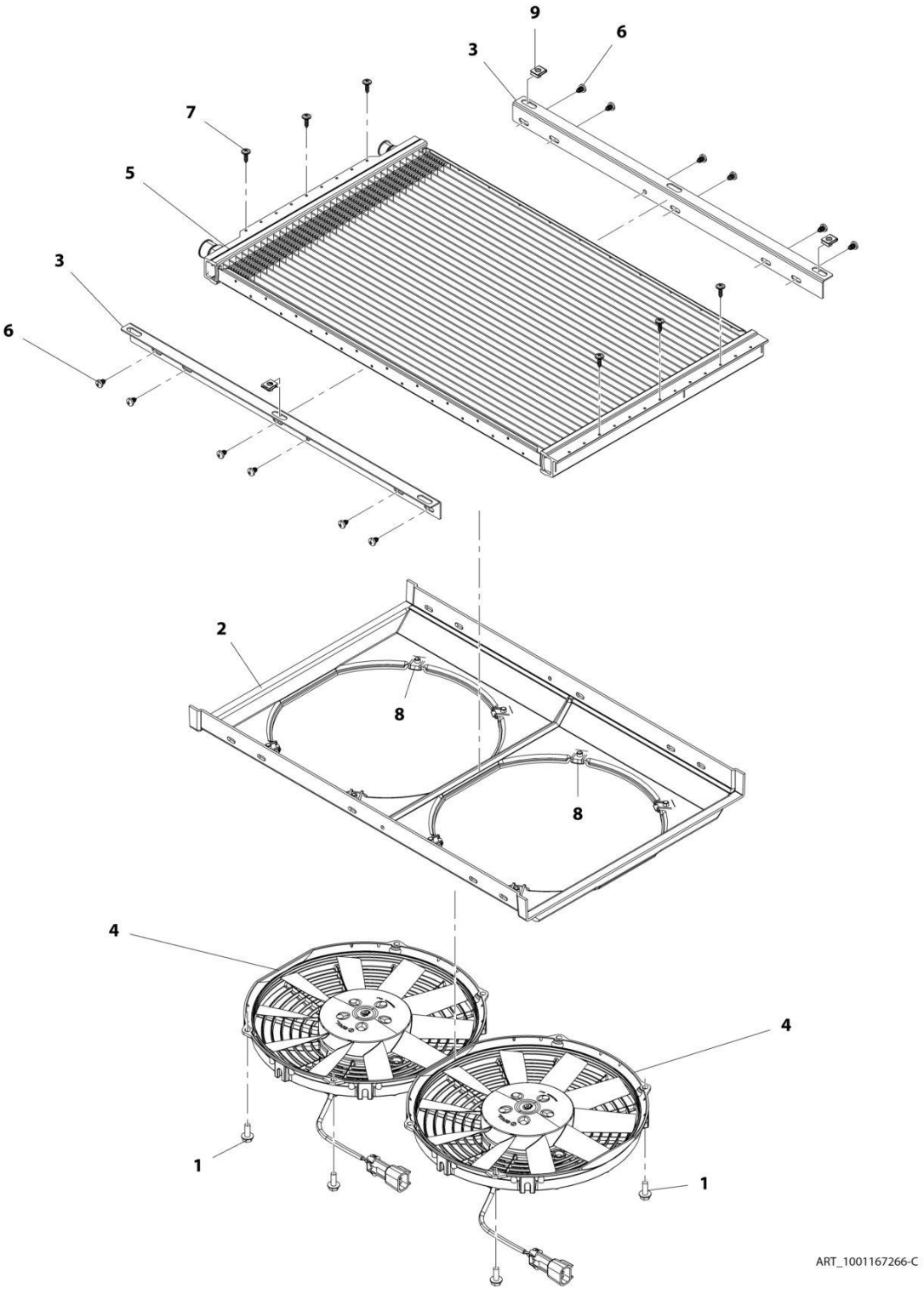


FIGURE 6-52. CONDENSER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167266	Ref	Condenser	C
1	5250608	8	Bolt, M6X16	
2	1001195342	1	Bracket, Condenser Fan Mount	
3	1001195343	2	Support, Condenser	
4	1001195345	2	Fan, Condenser	
5	1001195346	1	Condenser	
6	1001195385	12	Screw, M3.9X9.5	
7	1001195386	6	Screw, M4.2X16	
8	1001195437	8	Clip, M6X1	
9	1001195438	3	Clip, M6X1	

FIGURE 6-53. FRONT WIPER INSTALLATION

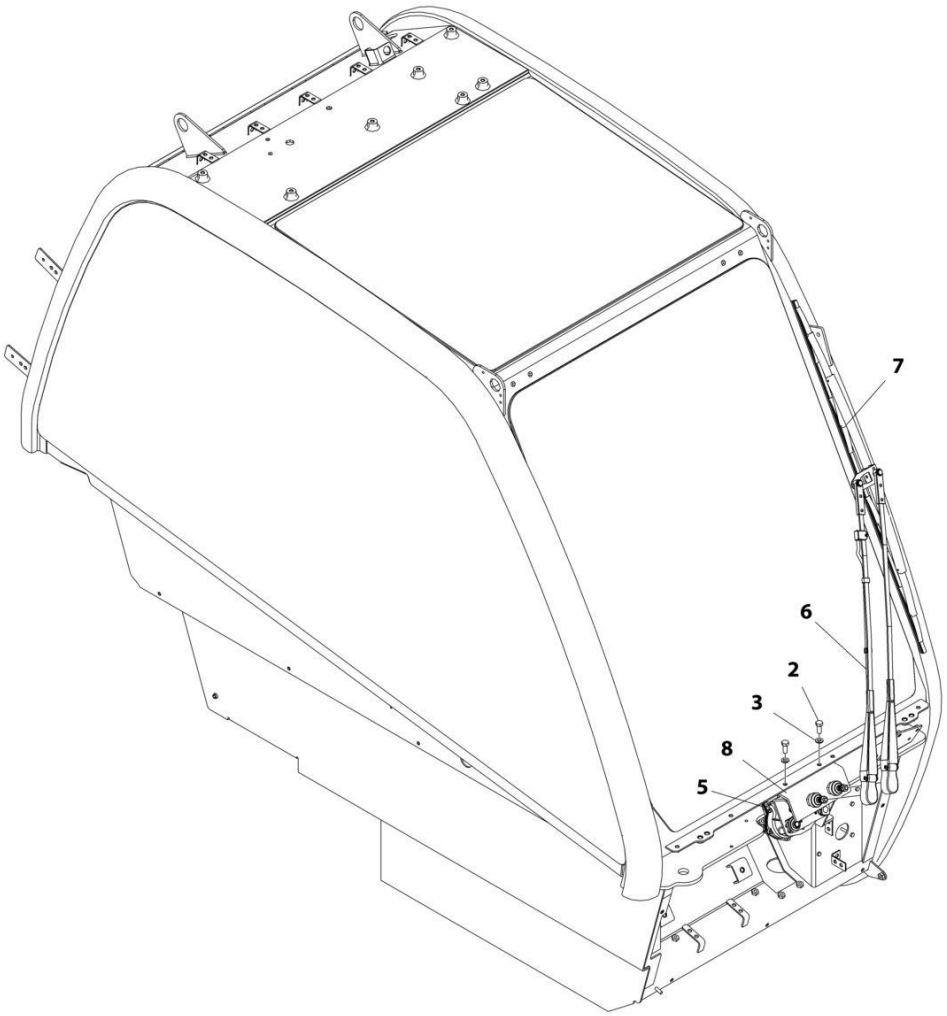


FIGURE 6-53. FRONT WIPER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155447	Ref	Front Wiper Installation	G
2	0760810	2	Bolt, M8X20	
3	4811900	2	Washer, M8	
5	1001214092	1	Motor, Front Wiper	
6	1001212369	1	Arm, Front Wiper	
7	1001141281	1	Blade, Wiper	
8	1001165637	1	Bracket	

FIGURE 6-54. REAR WIPER INSTALLATION

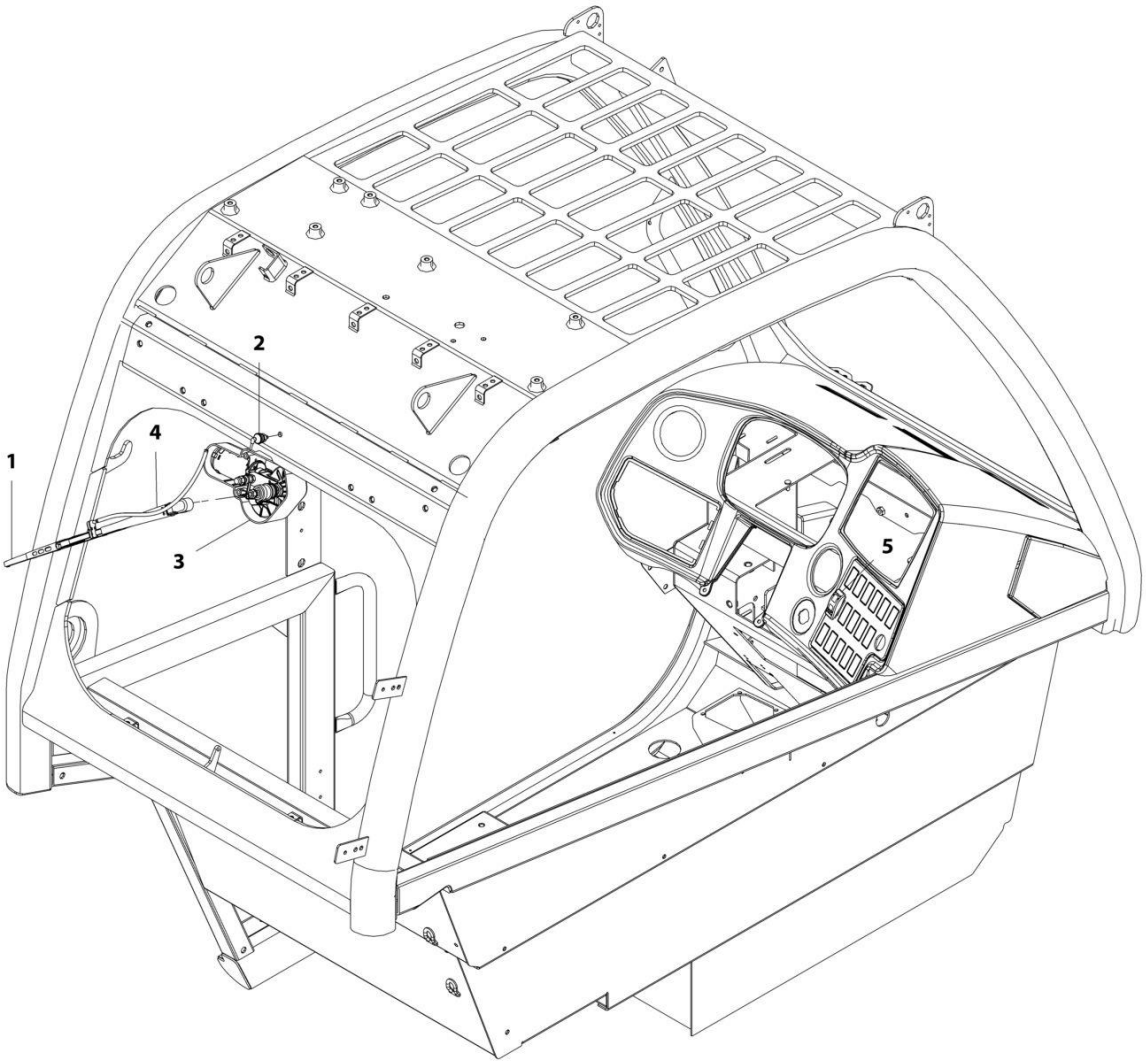


FIGURE 6-54. REAR WIPER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176164	Ref	Rear Wiper Installation	B
1	4807718	1	Blade, Wiper	
2	1001090343	1	Connector	
3	1001139552	1	Motor, Rear Wiper Window	
4	1001141312	1	Arm, Rear Window Wiper Blade	
5	1001159735	1	Switch, Rear Wiper	

FIGURE 6-55. ROOF WIPER INSTALLATION

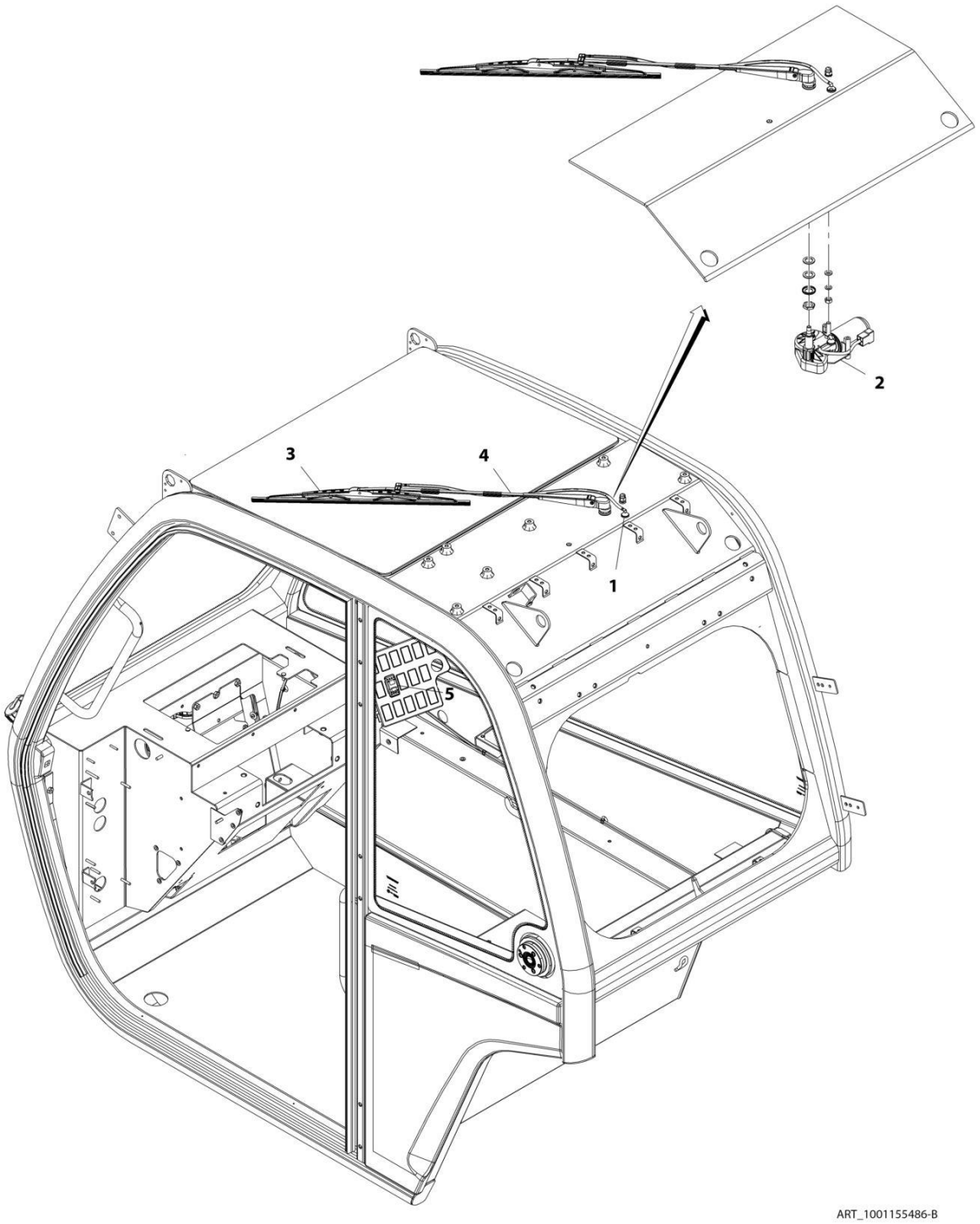


FIGURE 6-55. ROOF WIPER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155486	Ref	Roof Wiper Installation	B
1	1001090343	1	Connector	
2	1001139551	1	Motor, Roof Wiper	
3	1001141313	1	Blade, Roof Wiper	
4	1001141311	1	Arm, Roof Wiper Blade	
5	1001159736	1	Switch, Roof Wiper	

FIGURE 6-56. HEADLINER INSTALLATION

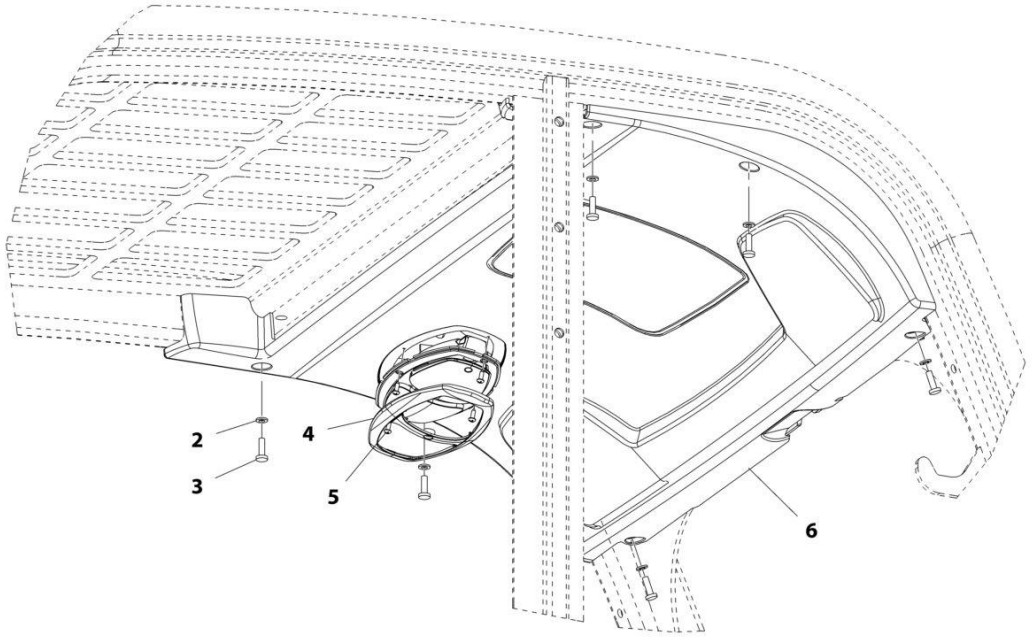


FIGURE 6-56. HEADLINER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170717	Ref	Headliner Installation	E
2	4811700	6	Washer, M6	
3	4031708001	6	Screw, M6X20	
4	1001167015	1	Lamp	
5	7029486	4	Screw	
6	1001161069	1	Panel, Headliner	

FIGURE 6-57. TRIM INSTALLATION - OPEN CAB

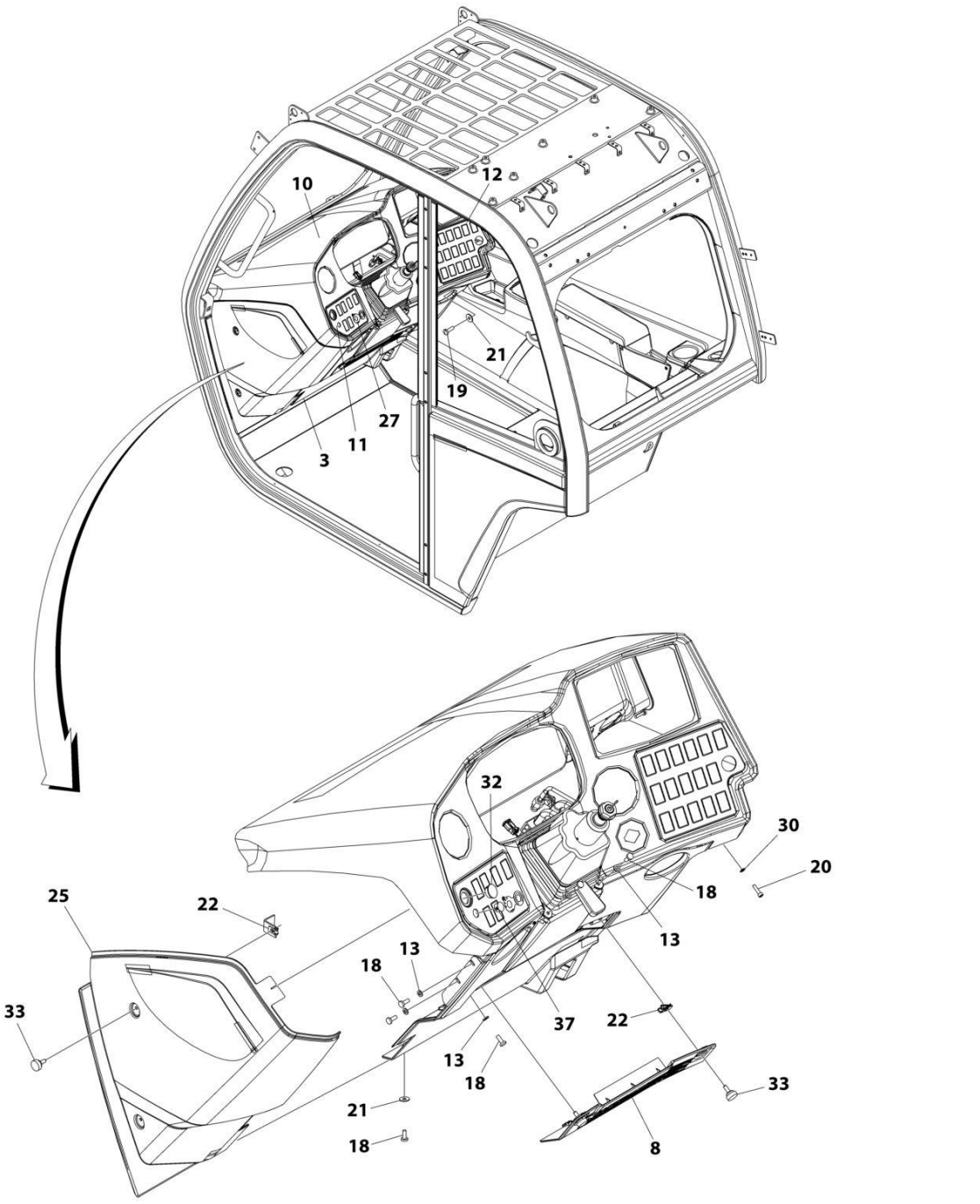


FIGURE 6-58. TRIM INSTALLATION - OPEN CAB

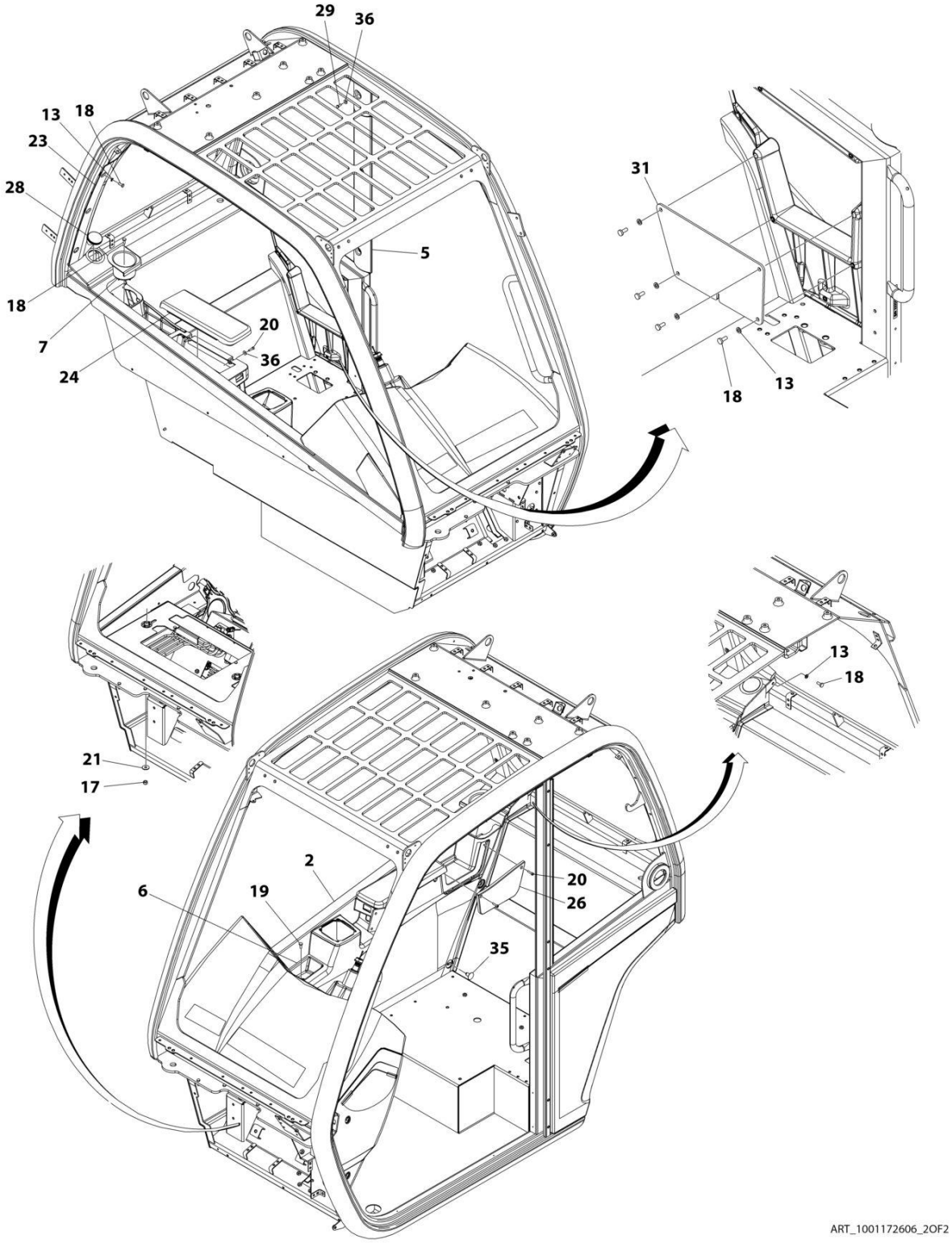
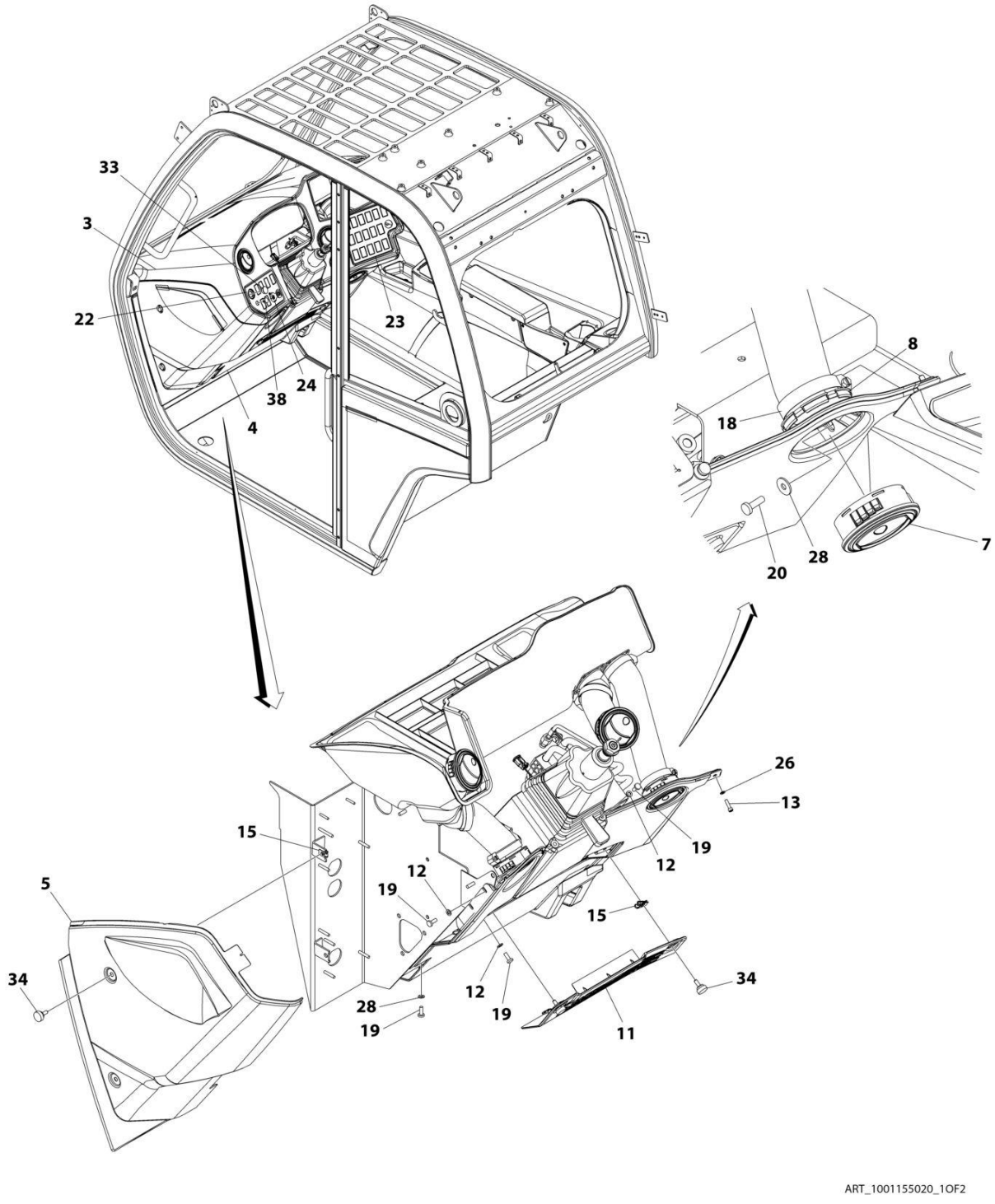


FIGURE 6-58. TRIM INSTALLATION - OPEN CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172606	Ref	Open Cab Trim Installation	K
2	1001169605	1	Cover, Side	
3	1001175904	1	Panel, Lower Dash	
5	1001219076	1	Panel, Cover	
6	1001169603	1	Panel, Trinket Tray	
7	1001170518	1	Holder, Cup	
8	1001170504	1	Panel, Recirculation Grille Cover	
10	1001172608	1	Panel, Dash	
11	1001268846	1	Plate, LH Switch	
12	1001219865	1	Plate, RH Switch	
13	4811700001	14	Washer, M6	
17	3290605	2	Nut, Lock M6X1 Grade 8	
18	4010608002	18	Screw, Posi-Drive M6X16 GR4.8	
19	4010610002	2	Screw, Posi-Drive M6X20 GR4.8	
20	4031608001	5	Screw, M5X20	
21	4811702001	6	Washer, M6	
22	8305919	4	Nut, M6	
23	1001191617	1	Panel, Cover	
24	1001161854	1	Armrest (See Separate Breakdown in this Section)	
25	1001161855	1	Panel, LH Dash	
26	1001173965	1	Bezel, RH	
27	1001190347	1	Decal, No HVAC	
28	1001223265	1	Plug	
29	4010508002	3	Screw, Posi-Drive M5X16	
30	4811600	1	Washer, M5	
31	1001185179	1	Cover, LH Rear Panel	
32	1001190589	1	Blanking Plug	
33	1001208308	4	Screw, M6X15	
35	1001211907	1	Screw	
36	4811602001	5	Washer, M5	
37	1001207963	1	PLUG,5/8 PUSH IN	

FIGURE 6-59. TRIM INSTALLATION - ENCLOSED CAB



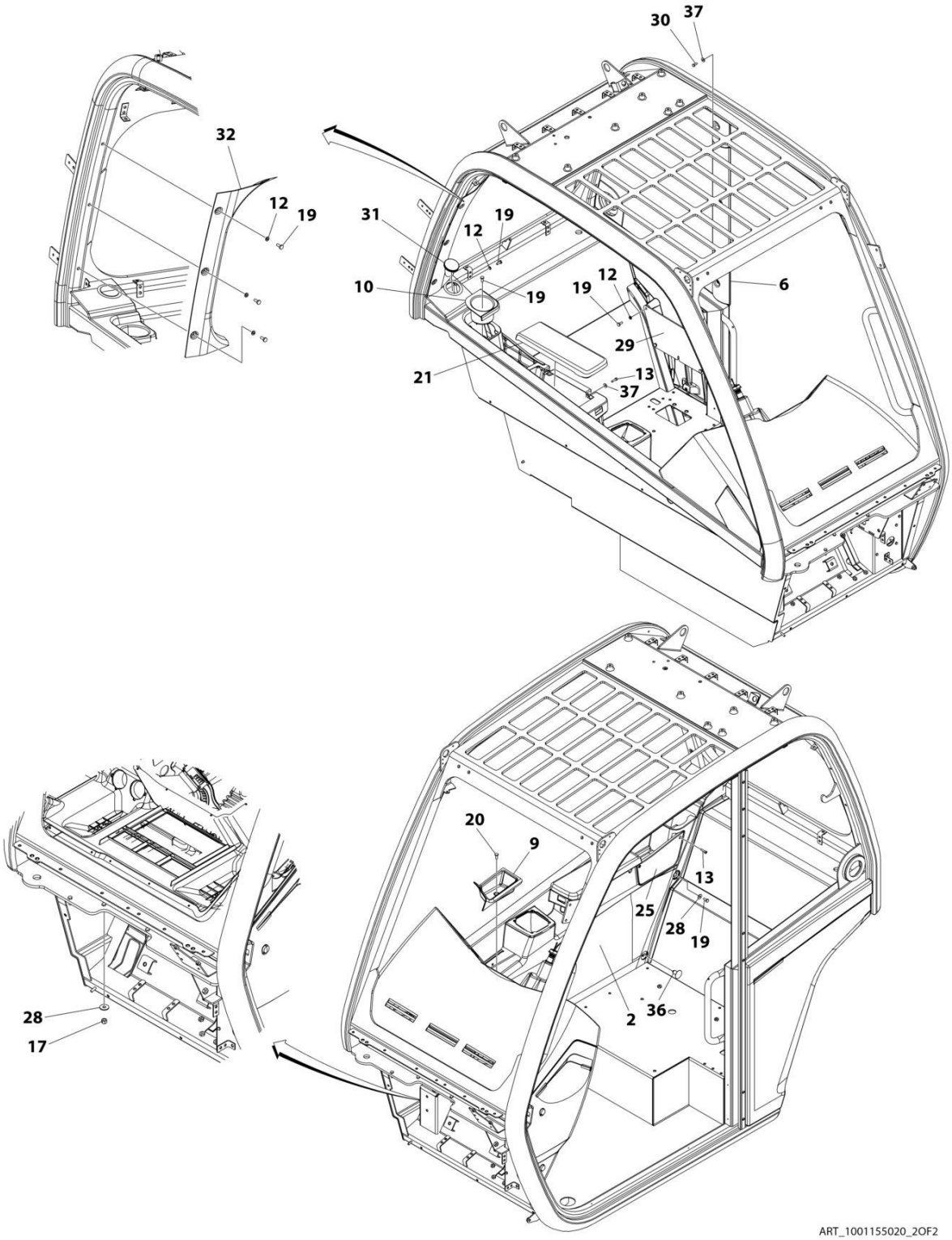

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ART_1001155020_2OF2

FIGURE 6-59. TRIM INSTALLATION - ENCLOSED CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155020	Ref	Enclosed Cab Trim Installation	N
2	1001169605	1	Cover, Side	
3	1001169604	1	Cover, Dash	
4	1001175903	1	Panel, Lower Dash	
5	1001161855	1	Panel, Cover	
6	1001219076	1	Panel, Cover	
7	1001147449	2	Vent, Air	
8	1001149278	2	Vent, Connector	
9	1001169603	1	Panel, Trinket Tray	
10	1001170518	1	Holder, Cup	
11	1001170504	1	Panel, Recirculation Grille Cover	
12	4811700001	14	Washer, M6	
13	4031608001	5	Bolt, M5X20	
15	8305919	4	Nut, M6	
17	3290605	2	Nut, Lock M6X1 Grade 8	
18	8405201	2	Clamp, Gear	
19	4010608002	18	Screw, Posi-Drive, M6X16	
20	4010610002	1	Screw, M6X20	
21	1001161854	1	Armrest (See Separate Breakdown in this Section)	
22	1001268846	1	Plate, LH Switch	
23	1001219865	1	Plate, RH Switch	
24	1001184975	1	Decal, HVAC	
25	1001173965	1	Bezel, RH	
26	4811600	1	Washer, M5	
28	4811702001	6	Washer, M6	
29	1001185179	1	Panel, LH Rear Cover	
30	4010508002	3	Screw, Posi-Drive M5X16	
31	1001223265	1	Plug	
32	1001191617	1	Panel, RH C Post	
33	1001190589	1	Blanking Plug	
34	1001208308	4	Thumb Screw, M6X15	
36	1001211907	1	Screw	
37	4811602001	5	Washer, Flat	
38	1001207963	1	Plug	

FIGURE 6-60. ARMREST

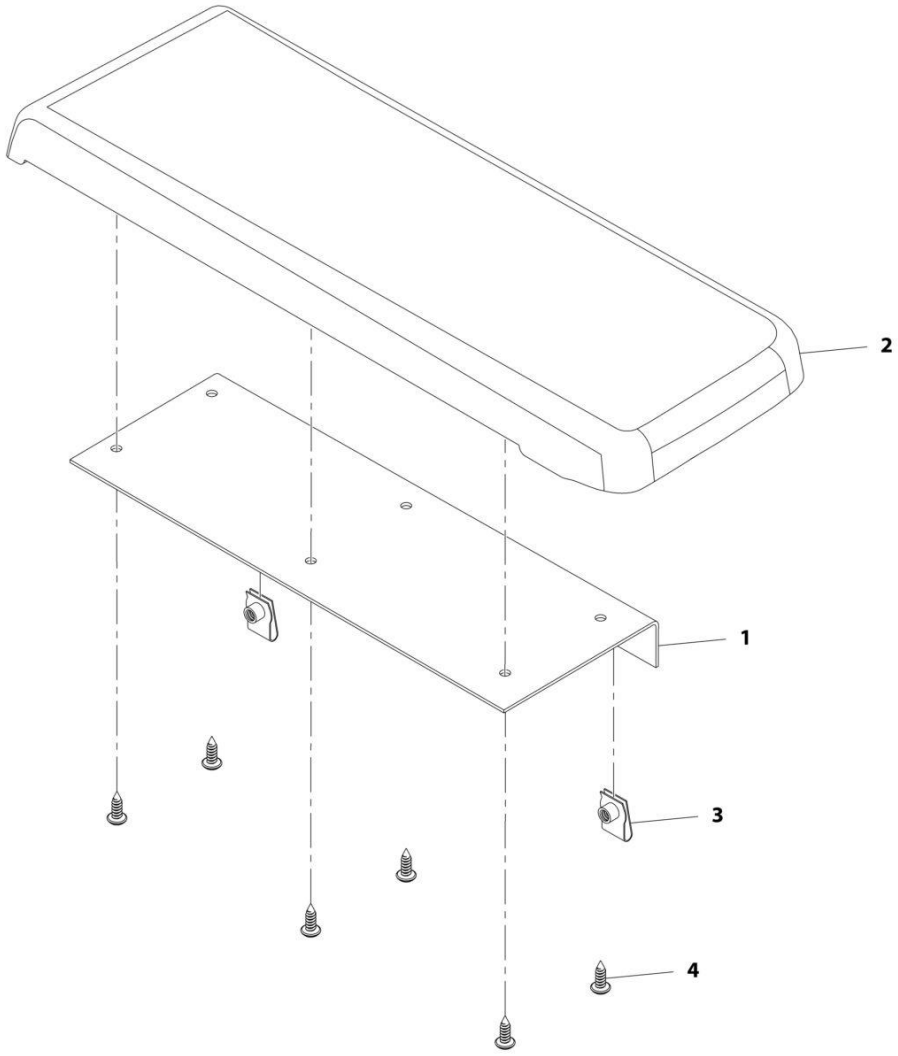


FIGURE 6-60. ARMREST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161854	Ref	Armrest Assembly	E
1	1001174581	1	Bracket	
2	1001179484	1	Arm Rest	
3	1001183550	2	Nut, Cage M5	
4	1001192240	6	Screw	

FIGURE 6-61. OPEN CAB FRONT COVER INSTALLATION

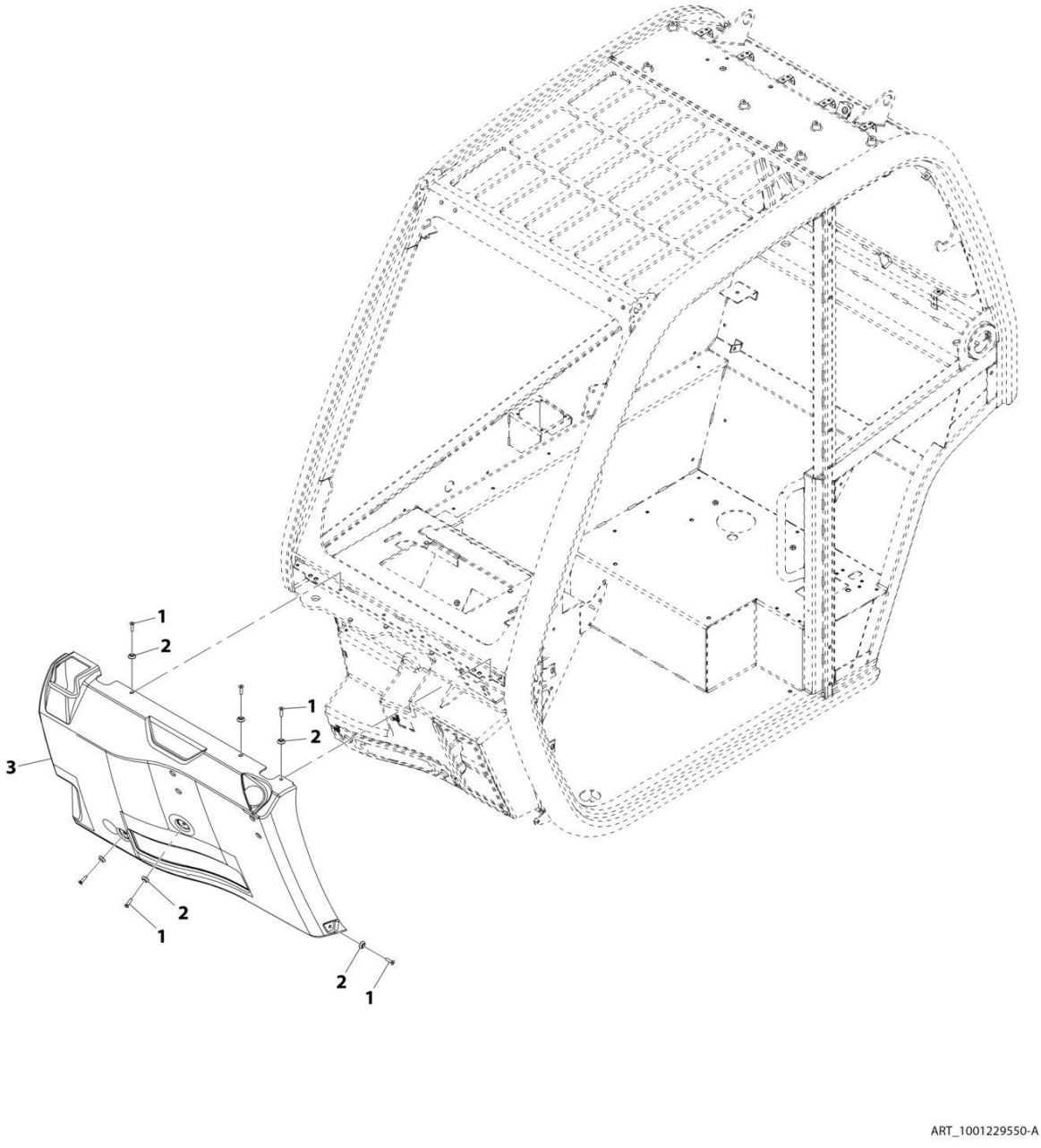


FIGURE 6-61. OPEN CAB FRONT COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229550	Ref	Open Cab Front Cover Installation	A
1	3900379	6	Screw, Socket HD M6-1X25	
2	1001097540	6	Washer, M6	
3	1001229540	1	Cover, Front	

FIGURE 6-62. ENCLOSED CAB FRONT COVER INSTALLATION

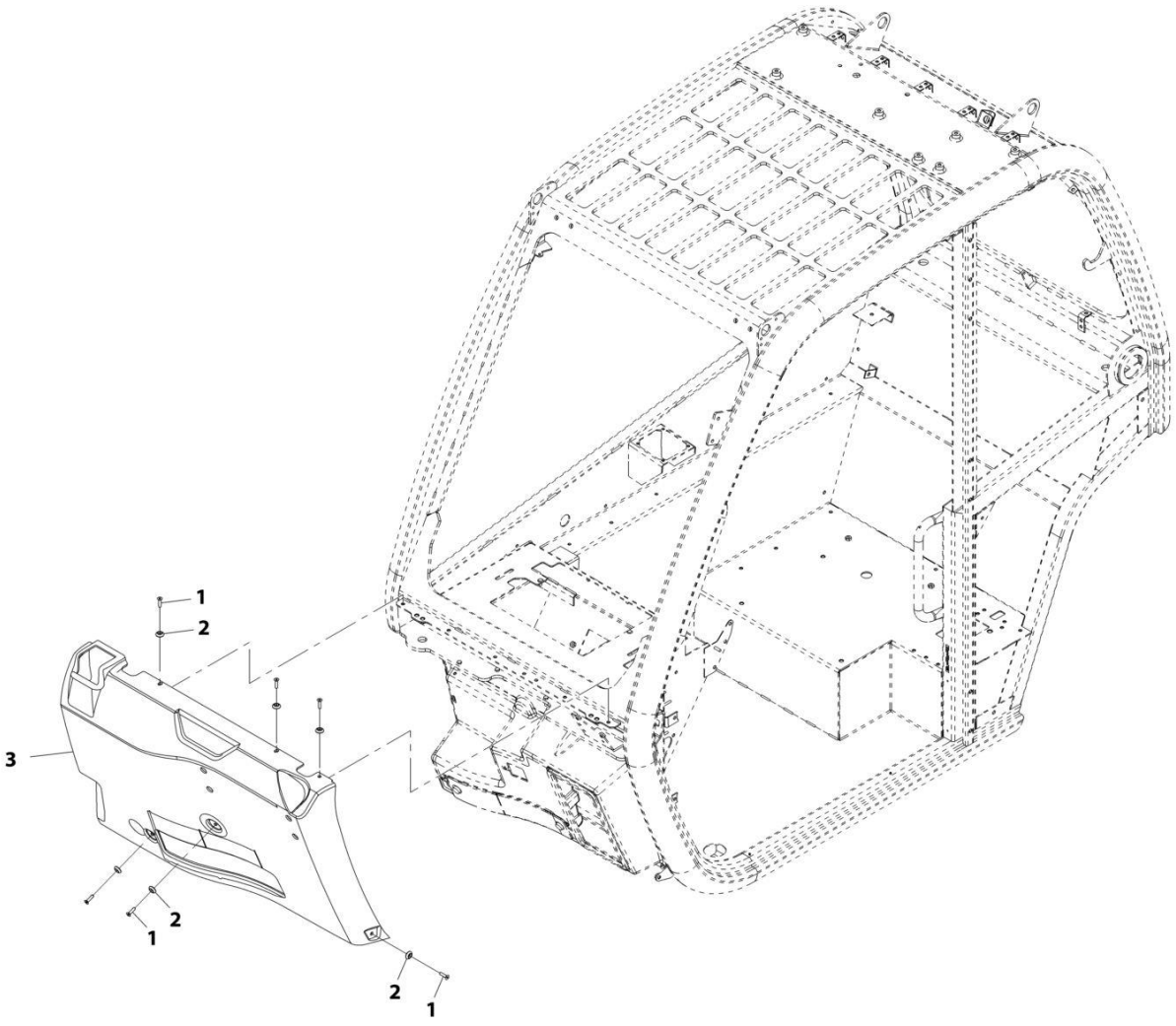


FIGURE 6-62. ENCLOSED CAB FRONT COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229551	Ref	Enclosed Cab Front Cover Installation	A
1	3900379	6	Screw, Socket Hd M6-1x100	
2	1001097540	6	Washer, M6	
3	1001229541	1	Cover, Front Cab	

FIGURE 6-63. ROOF CAP INSTALLATION (A/C)

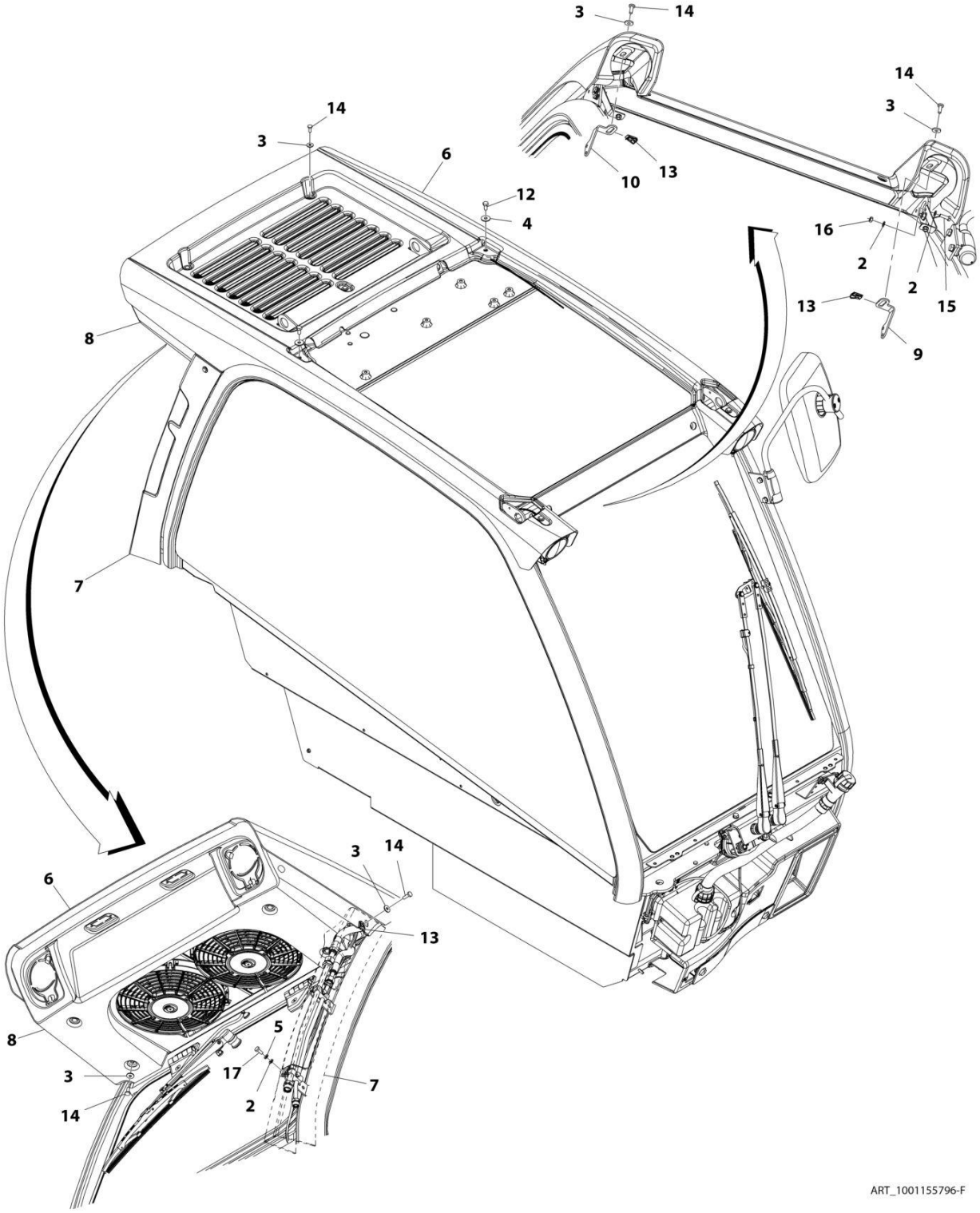


FIGURE 6-63. ROOF CAP INSTALLATION (A/C)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155796	Ref	Roof Cap Installation (A/C) (Construction)	F
2	4811700	9	Washer, M6	
3	4811702	10	Washer, M6	
4	4811902	2	Washer, M8	
5	4831700	1	Washer, Lock M6	
6	1001155800	1	Cover, Upper Roof Cap	
7	1001174741	1	Cover	
8	1001214156	1	Cover, Lower Roof Cap	
9	1001174800	1	Bracket, Roof Cap	
10	1001174801	1	Bracket, Roof Cap	
12	0760808	2	Bolt, M8X16	
13	8305919	3	Nut, M6	
14	4010610002	10	Screw, Posi-Drive M6X20	
15	0700610	4	Bolt, M6X20	
16	3290601	4	Nut, M6X1	
17	4010608002	1	Screw, Posi-Drive, M6X16	

FIGURE 6-64. ROOF CAP INSTALLATION (NO A/C)

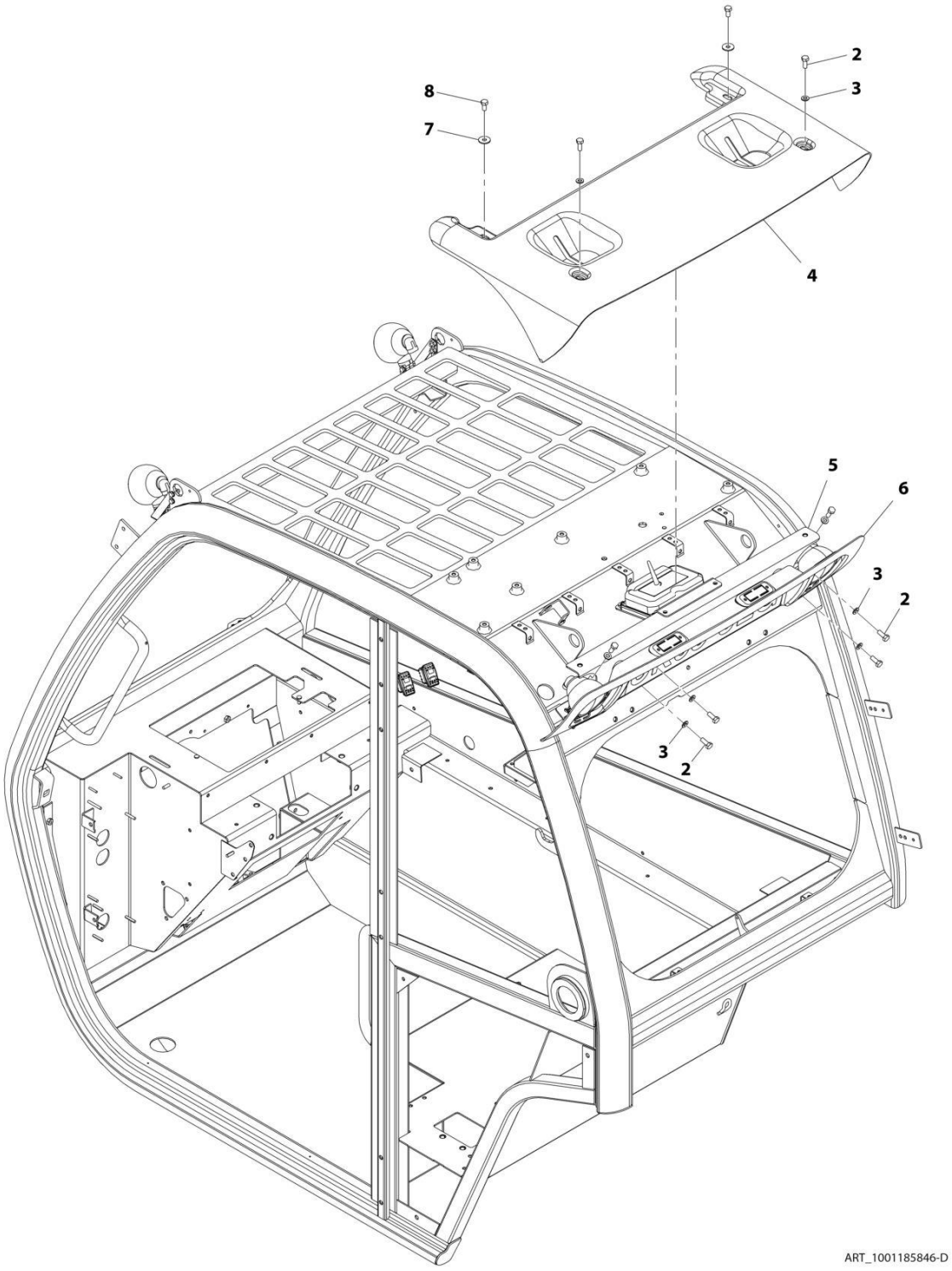
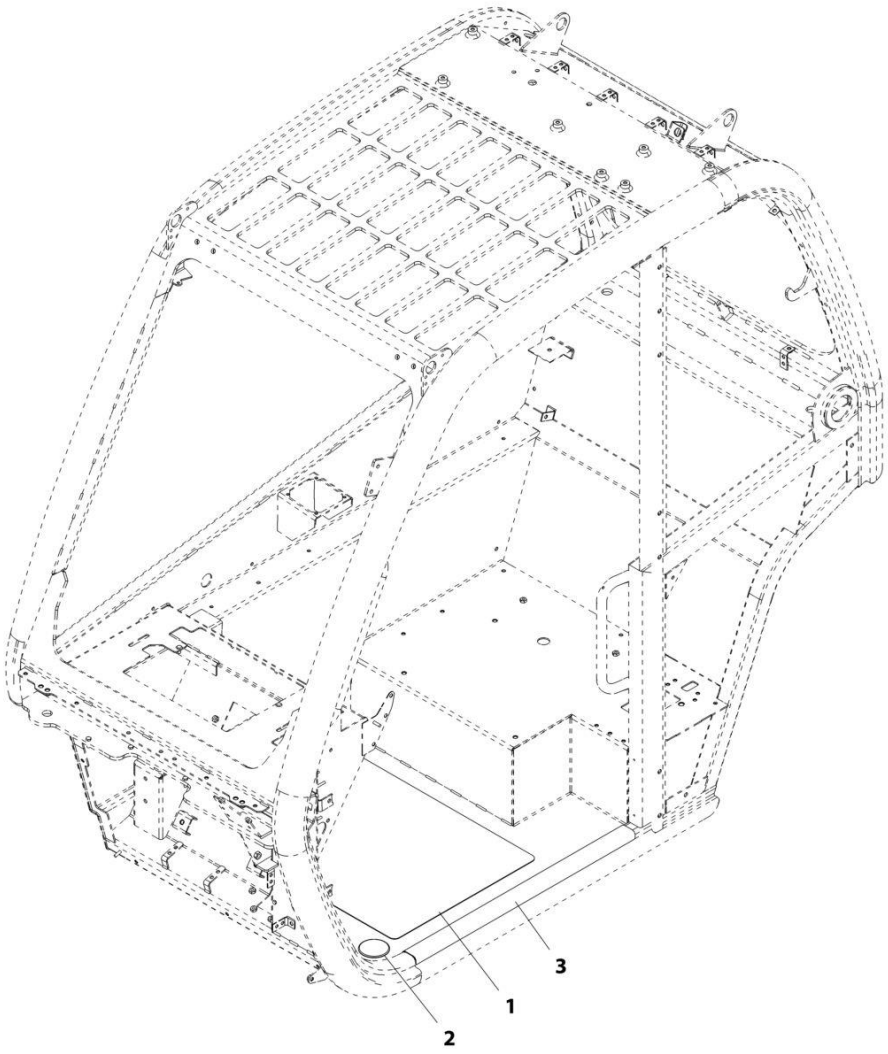


FIGURE 6-64. ROOF CAP INSTALLATION (NO A/C)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185846	Ref	Roof Cap Installation (No A/C)	D
2	0760810	8	Bolt, M8X20	
3	4811900	8	Washer, M8	
4	1001182328	1	Cover, Short Upper Roof Cap	
5	1001185633	1	Bracket	
6	1001214535	2	Cover, Short Lower Roof Cap	
7	4811902	2	Washer, M8	
8	0760808	2	Bolt, M8X16	

FIGURE 6-65. NON SKID TAPE INSTALLATION



ART_1001197219-B

FIGURE 6-65. NON SKID TAPE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197219	Ref	Non Skid Tape Installation	B
1	1001197217	1	Tape, Non Skid Floor	
2	1001197218	1	Grommet	
3	1001197259	1	Tape, Non Skid Frame	

FIGURE 6-66. EXTERNAL WINDOW RELEASE INSTALLATION (CAN & ISO)

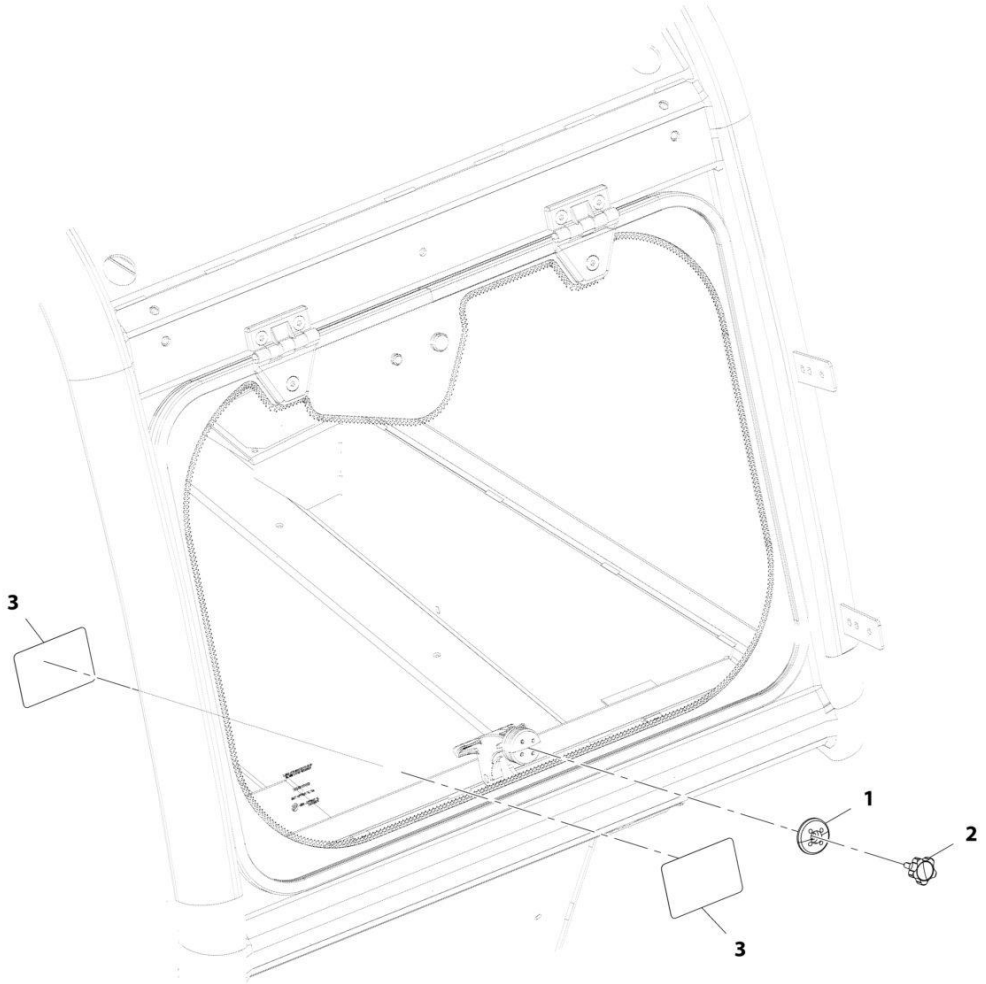


FIGURE 6-66. EXTERNAL WINDOW RELEASE INSTALLATION (CAN & ISO)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178826	Ref	External Window Release Installation (English/French)	C
1	1001179008	1	Cap, Latch Window	
2	1001179009	1	Knob	
3	1001204709	2	Decal, Emergency Exit (English/French)	

FIGURE 6-67. WASHER TANK INSTALLATION

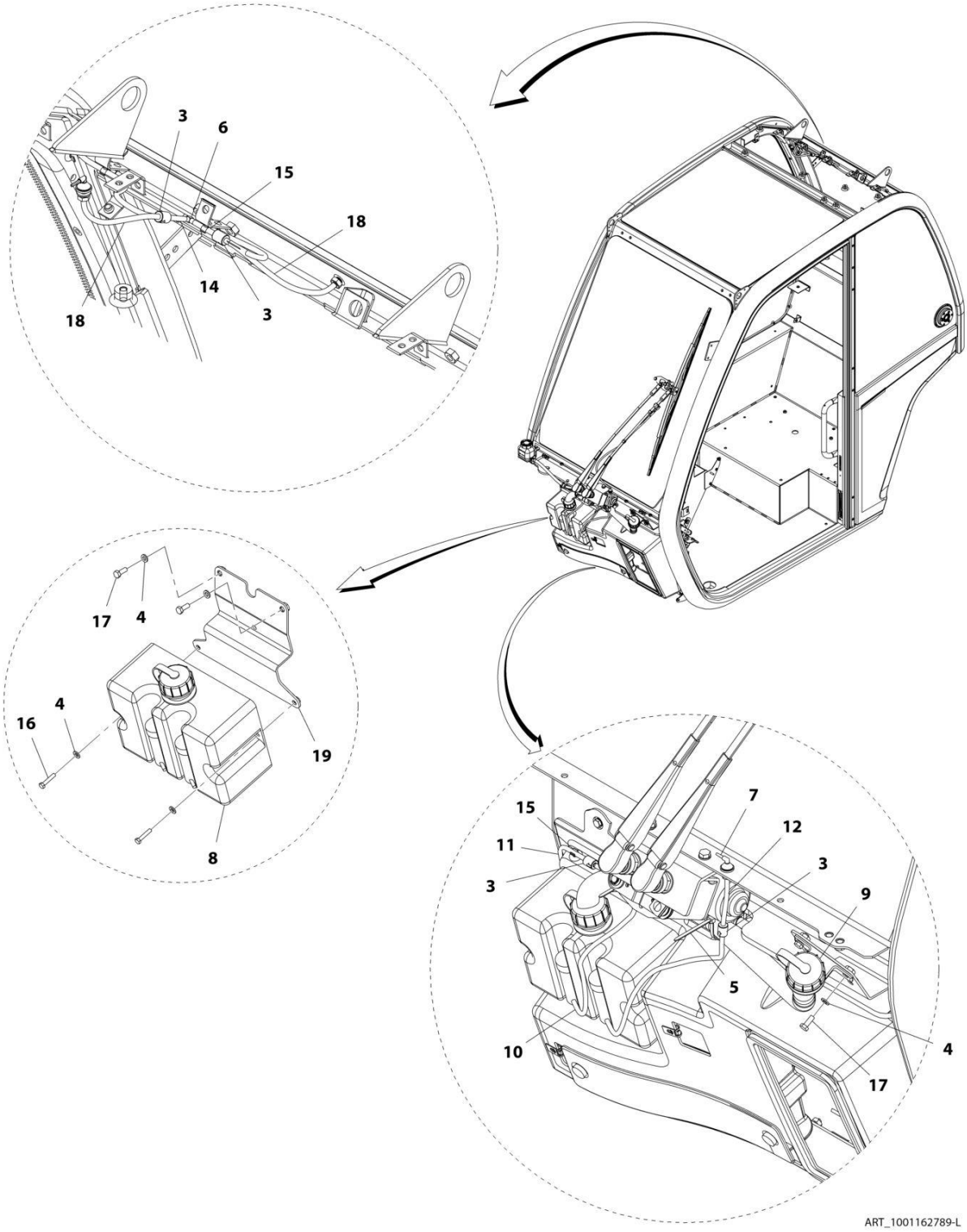
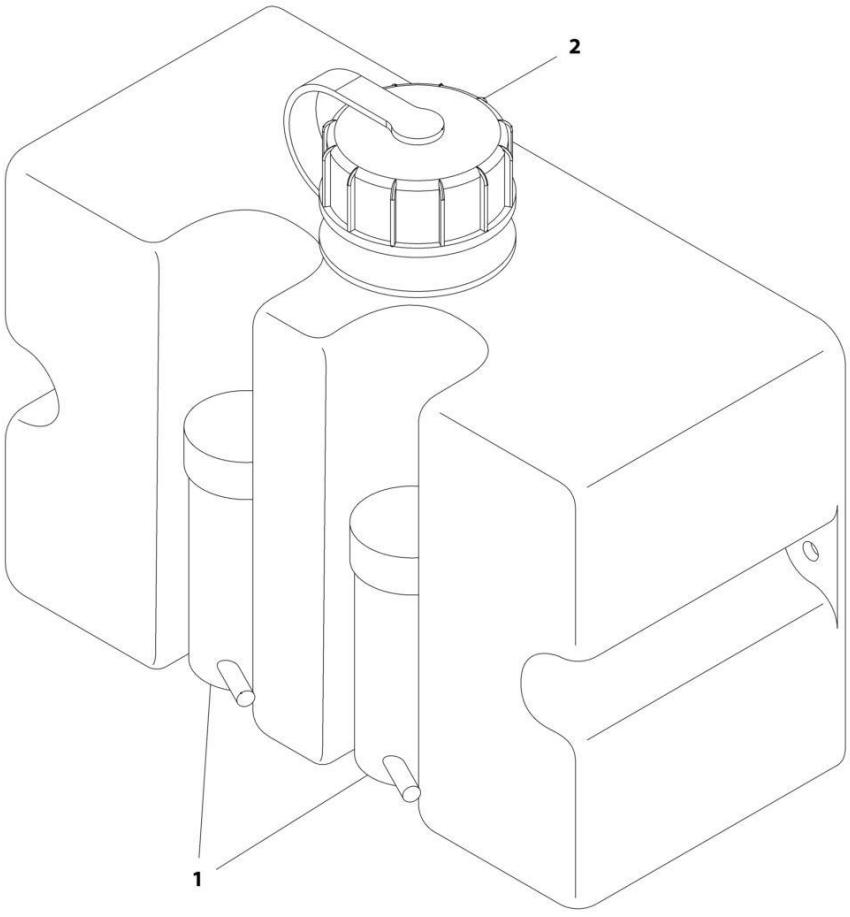


FIGURE 6-67. WASHER TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162789	Ref	Washer Tank Installation	L
3	1001201331	4	Valve, Check	
4	4811700	6	Washer, M6	
5	471678	2	Strap, Tie	
6	1001008742	1	Coupling, Tee	
7	1001090343	1	Connector	
8	1001165269	1	Bottle, Washer (See Separate Breakdown in this Section)	
9	1001165270	1	Hose, Washer Filler	
10	1001165351	2	Hose	
11	1001165407	1	Hose	
12	1001165416	1	Hose	
14	1001165455	2	Hose	
15	1001165458	16	Hose	
16	0760512	2	Bolt M5X25	
17	0760608	4	Bolt, M6X16	
18	1001178123	2	Hose	
19	1001171756	1	Bracket	

FIGURE 6-68. WASHER BOTTLE



ART_1001165269-B

FIGURE 6-68. WASHER BOTTLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165269	Ref	Washer Bottle	B
1	1001165327	2	Pump, Washer	
2	1001165273	1	Cap, Washer	

FIGURE 6-69. CAB GUARD INSTALLATION (TOP AND FRONT)

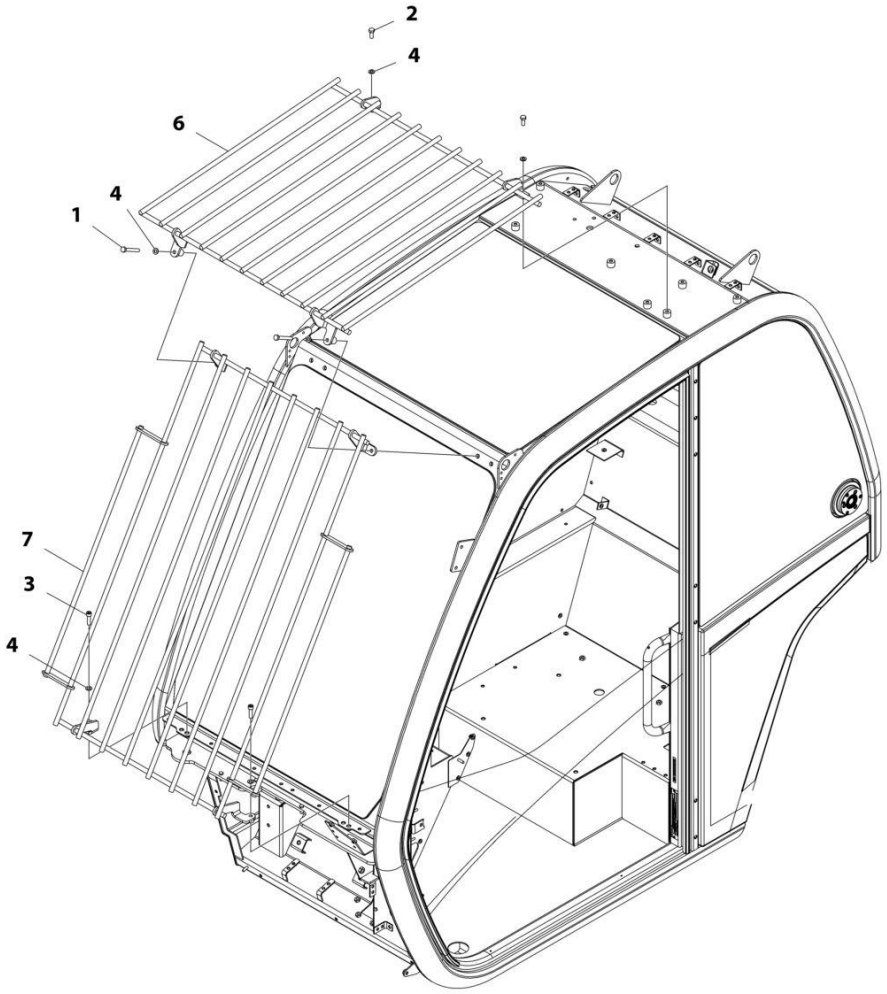


FIGURE 6-69. CAB GUARD INSTALLATION (TOP AND FRONT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172774	Ref	CAB GUARD INSTALLATION (TOP AND FRONT)	G
1	0700820	2	Bolt M8 x 60	
2	0760810	2	Bolt M8 x 20	
3	4031910	2	Bolt M8 x 30	
4	4811900	6	Washer M8	
6	1001160503	1	Guard, Top Screen	
7	1001180263	1	Guard, Front Screen	

FIGURE 6-70. CAB GUARD INSTALLATION (TOP)

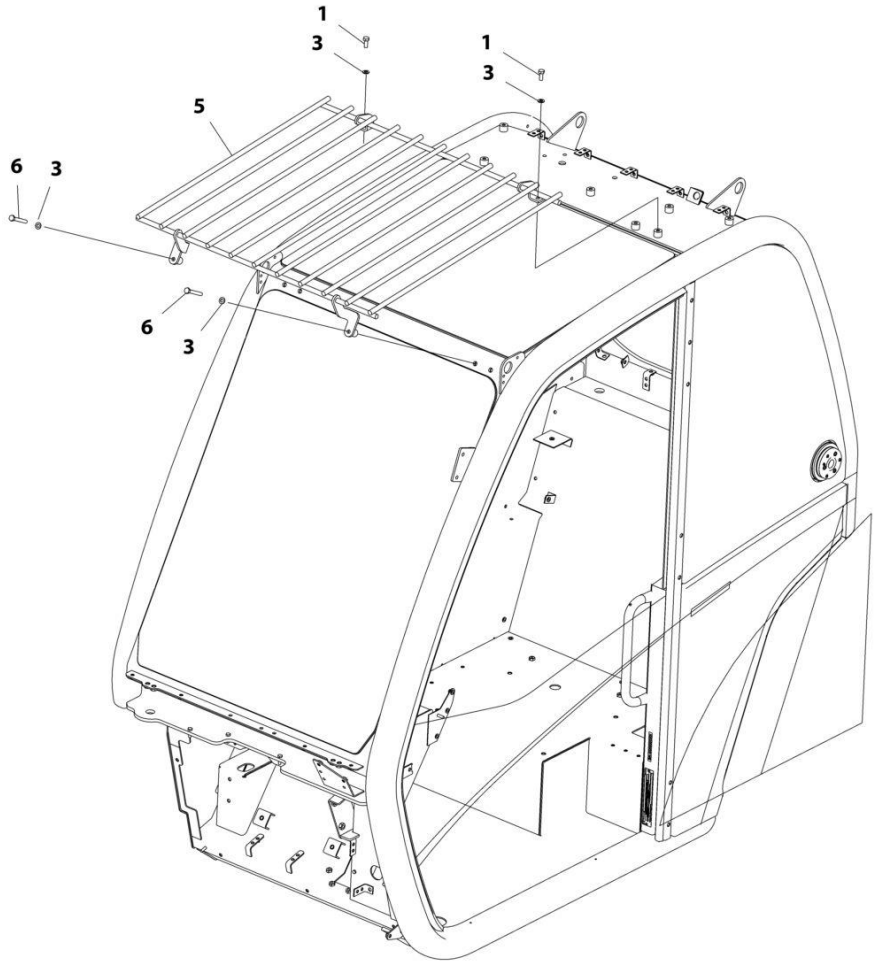


FIGURE 6-70. CAB GUARD INSTALLATION (TOP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160496	Ref	Cab Guard Installation (Top)	G
1	0760810	2	Bolt, M8X20	
3	4811900	4	Washer, M8	
5	1001160503	1	Guard, Top Screen	
6	0700820	2	Bolt, M8X60	

FIGURE 6-71. CAB GUARD INSTALLATION (FRONT)

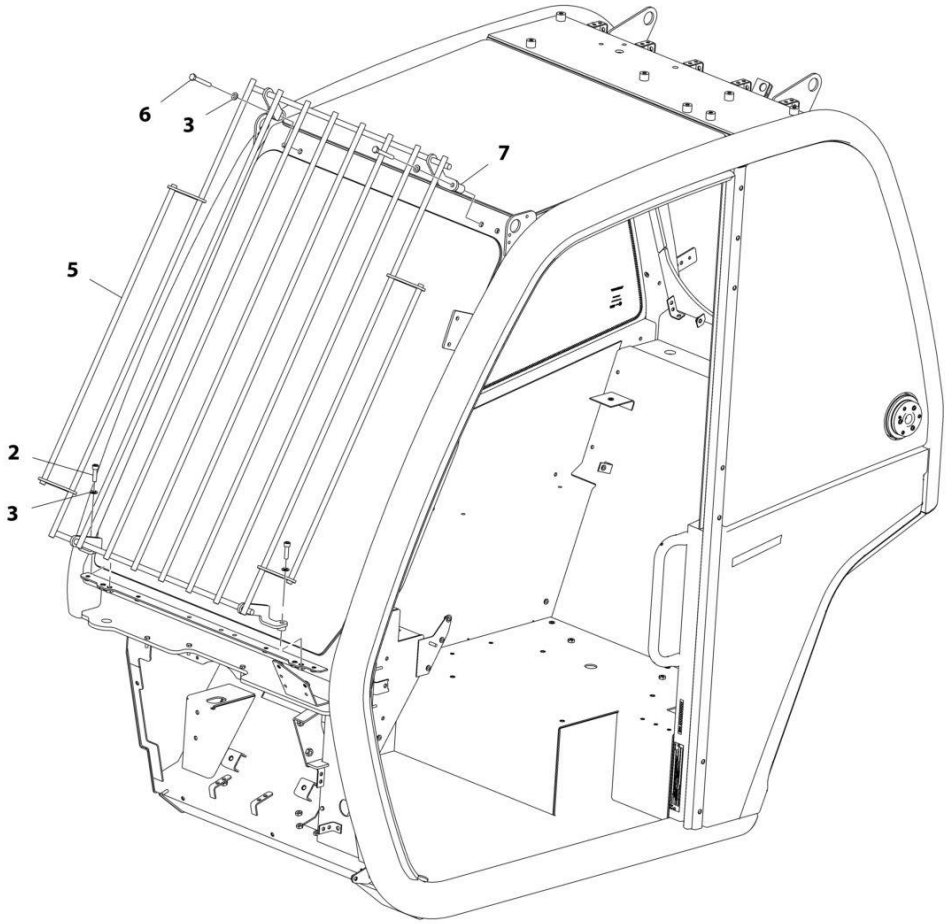


FIGURE 6-71. CAB GUARD INSTALLATION (FRONT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160506	Ref	Cab Guard Installation (Front)	G
2	4031910	2	Bolt, M8X30	
3	4811900	4	Washer, M8	
5	1001180263	1	Guard, Front Screen	
6	0700820	2	Bolt, M8X60	
7	1001173257	2	Spacer	

FIGURE 6-72. ROOF PIGTAIL CAP INSTALLATION

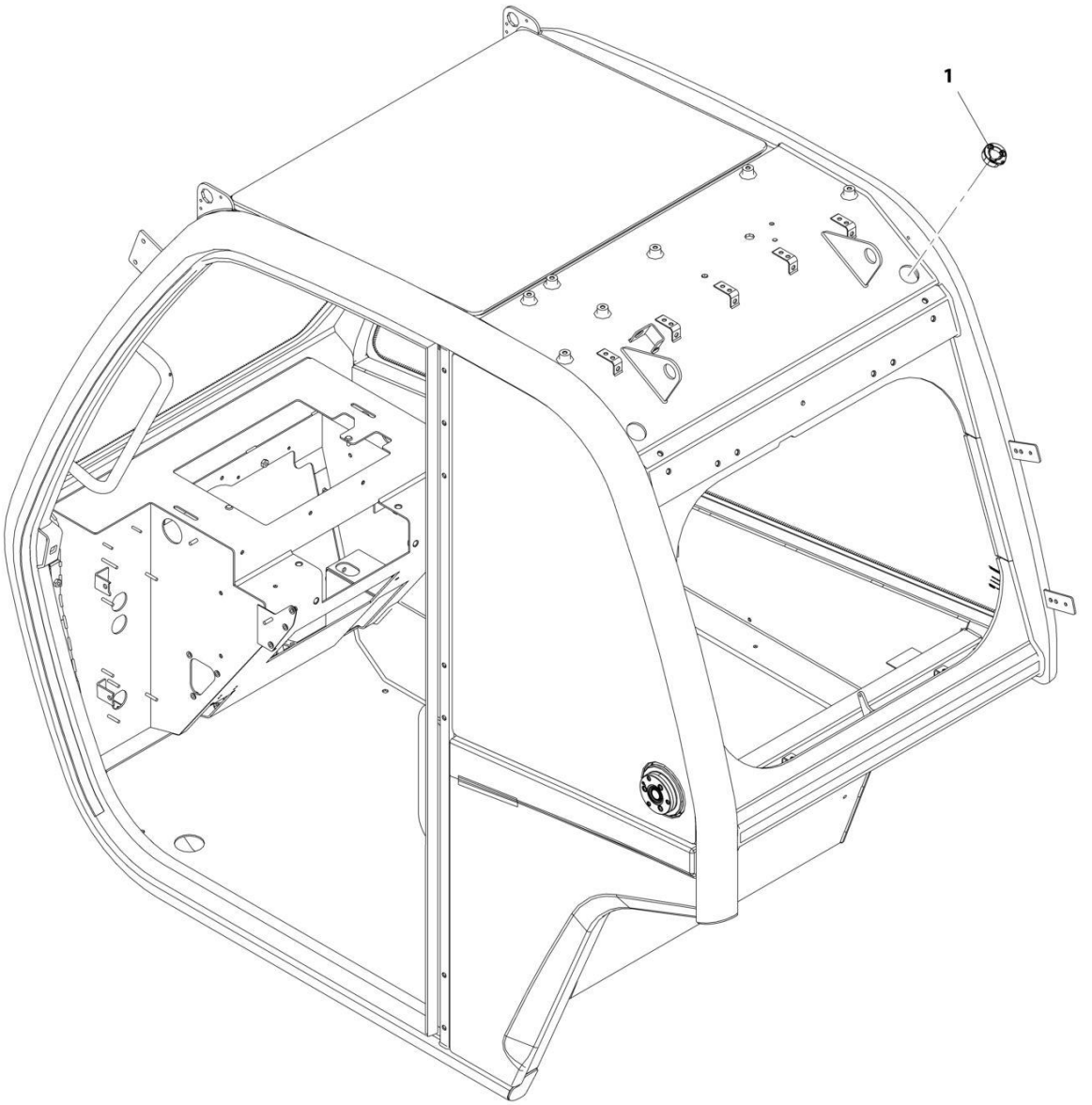


FIGURE 6-72. ROOF PIGTAIL CAP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202138	Ref	Roof Pigtail Cap Installation	A
1	1001202134	1	Cap, Deutsch Dust	

FIGURE 6-73. ROOF PIGTAIL INSTALLATION

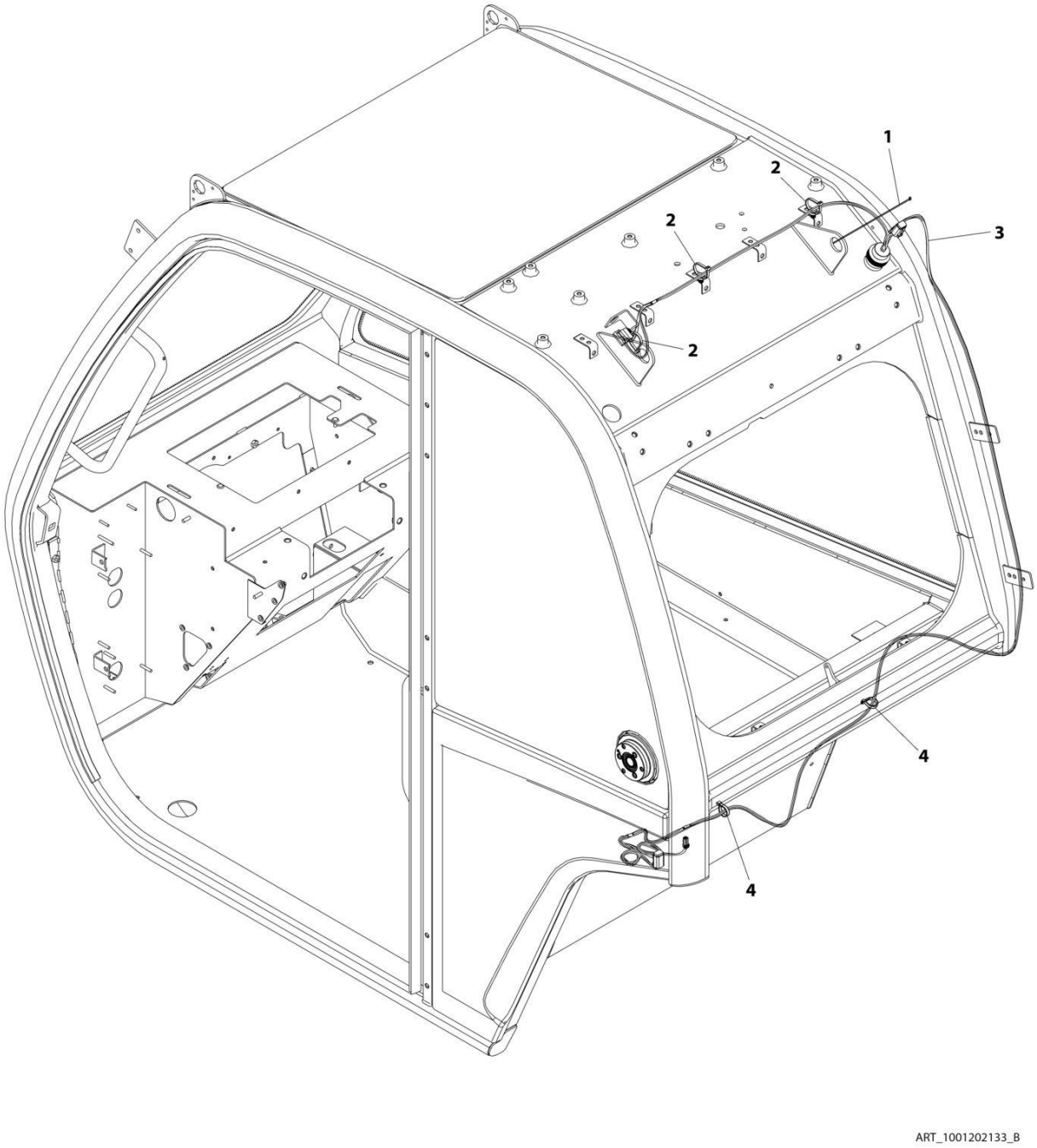
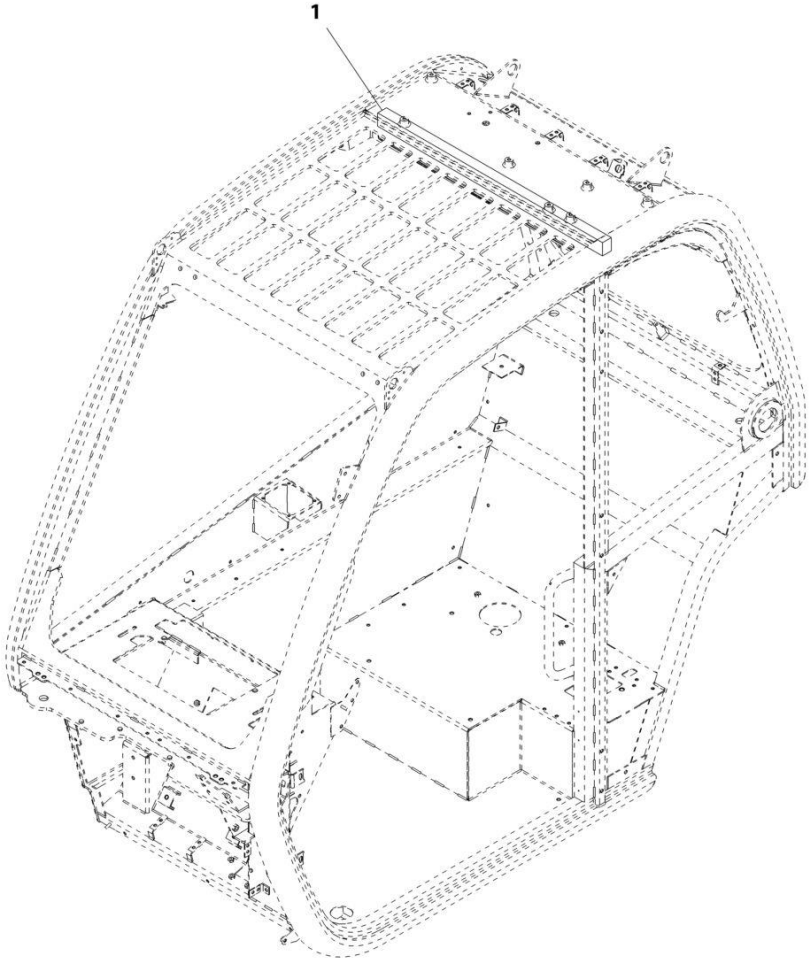


FIGURE 6-73. ROOF PIGTAIL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202133	Ref	Roof Pigtail Installation	B
1	4240033	1	Cable Tie	
2	1001146588	3	Strap	
3	1001265200	1	Harness, Roof Pigtail (See Separate Breakdown in ELECTRICAL Section)	
4	1001008559	2	Strap	

FIGURE 6-74. NO SUNSCREEN INSTALLATION



ART_1001211041-A

FIGURE 6-74. NO SUNSCREEN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211041	Ref	No Sunscreen Installation	A
1	1001208192	1	Seal, Foam	

FIGURE 6-75. RETRACTABLE SUNSCREEN INSTALLATION

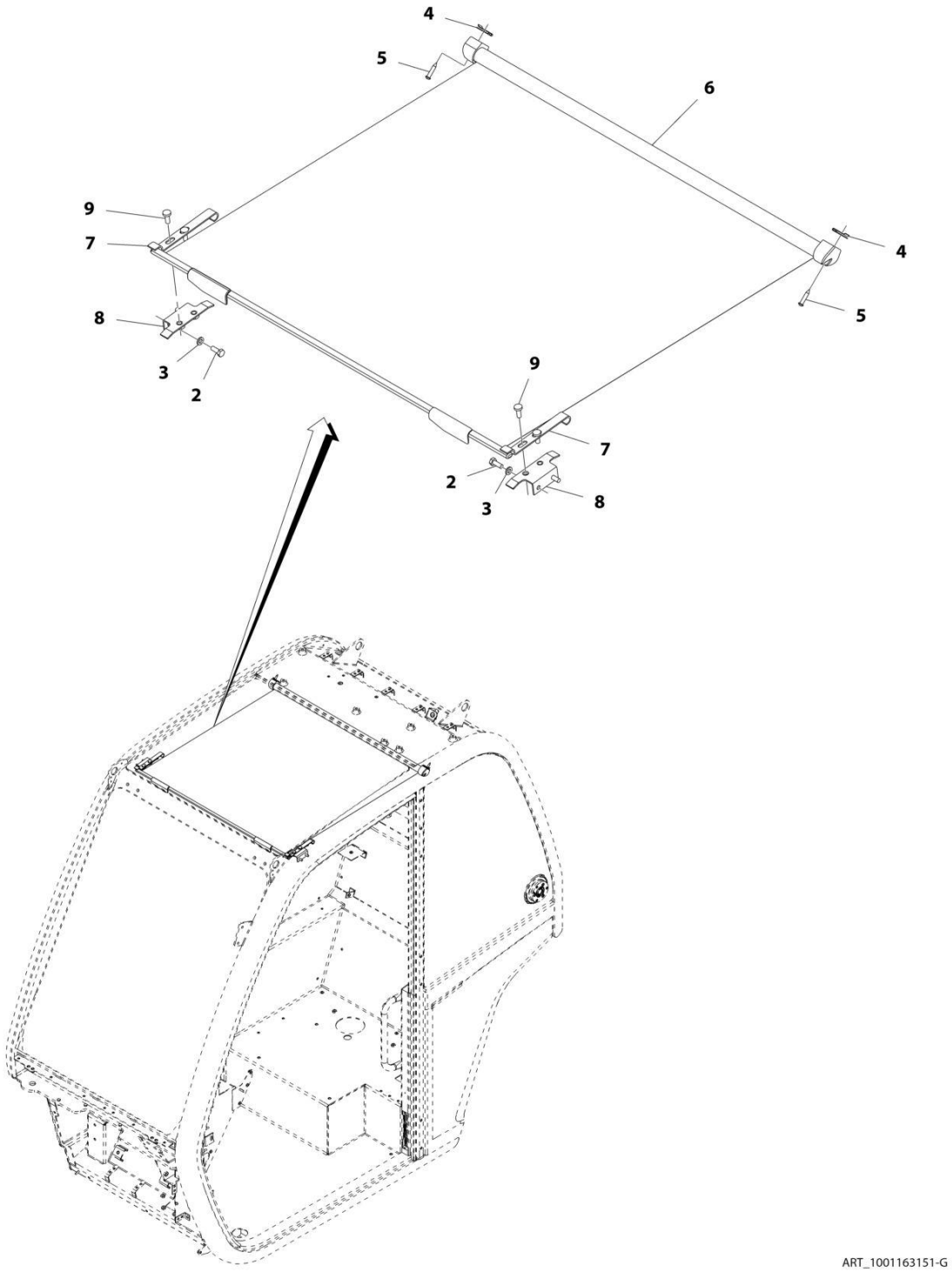


FIGURE 6-75. RETRACTABLE SUNSCREEN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163151	Ref	Retractable Sunscreen Installation	G
2	0760608	4	Bolt, M6X16	
3	4811700	4	Washer, M6	
4	1001111076	2	Nut	
5	1001111147	2	Screw	
6	1001163170	1	Cab, Screen Blind	
7	1001209463	2	Bracket, Sunscreen Mount	
8	1001166385	2	Bracket	
9	4010608002	4	Screw, M6X16	

SECTION 7 - CONTROLS

FIGURE 7-1. ACCELERATOR PEDAL INSTALLATION

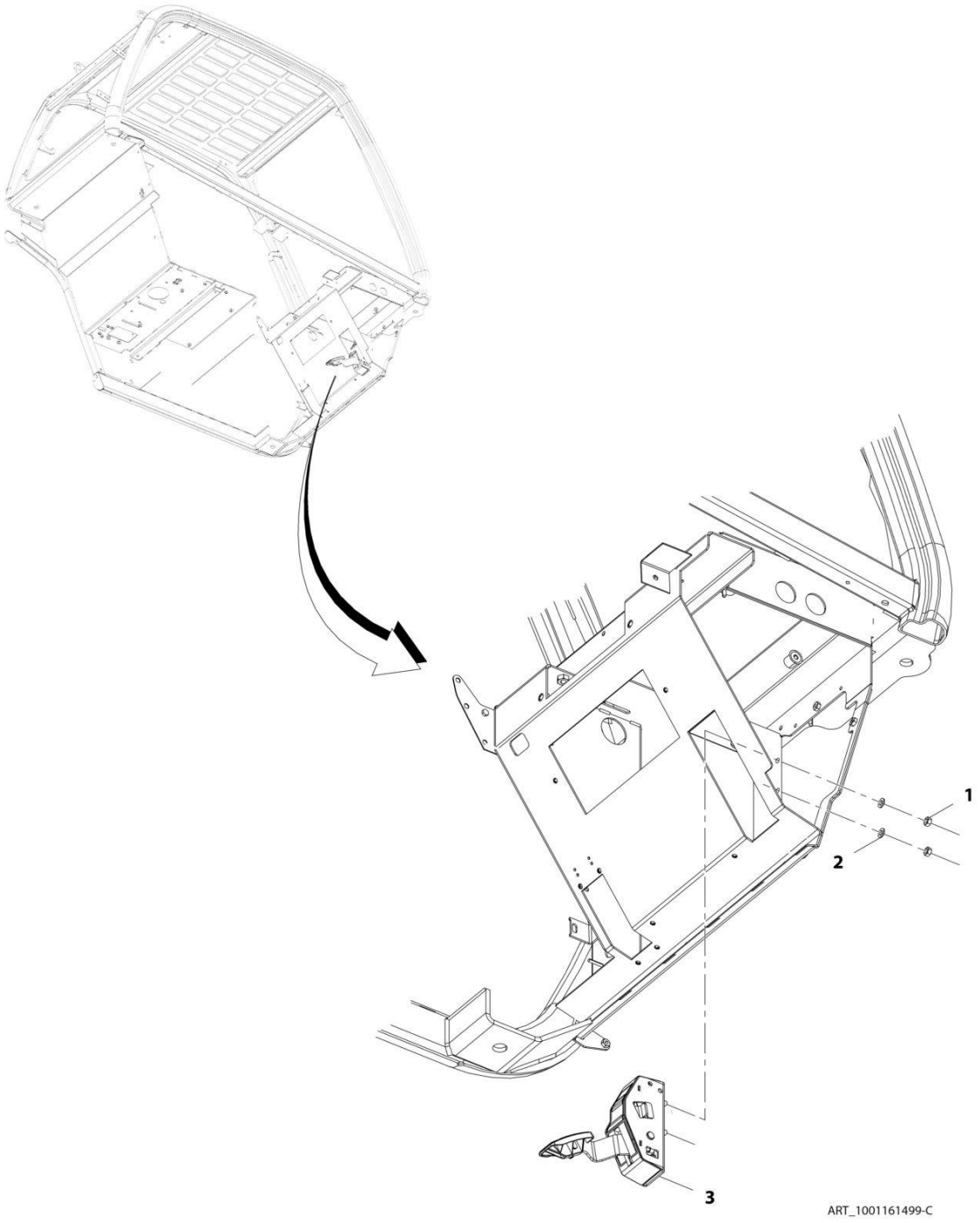


FIGURE 7-1. ACCELERATOR PEDAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161499	Ref	Accelerator Pedal Installation	C
1	3290801	2	Nut, M8X1.25	
2	4811900	2	Washer, M8	
3	1001159028	1	Pedal, Accelerator (See Separate Breakdown in this Section)	

FIGURE 7-2. ACCELERATOR PEDAL

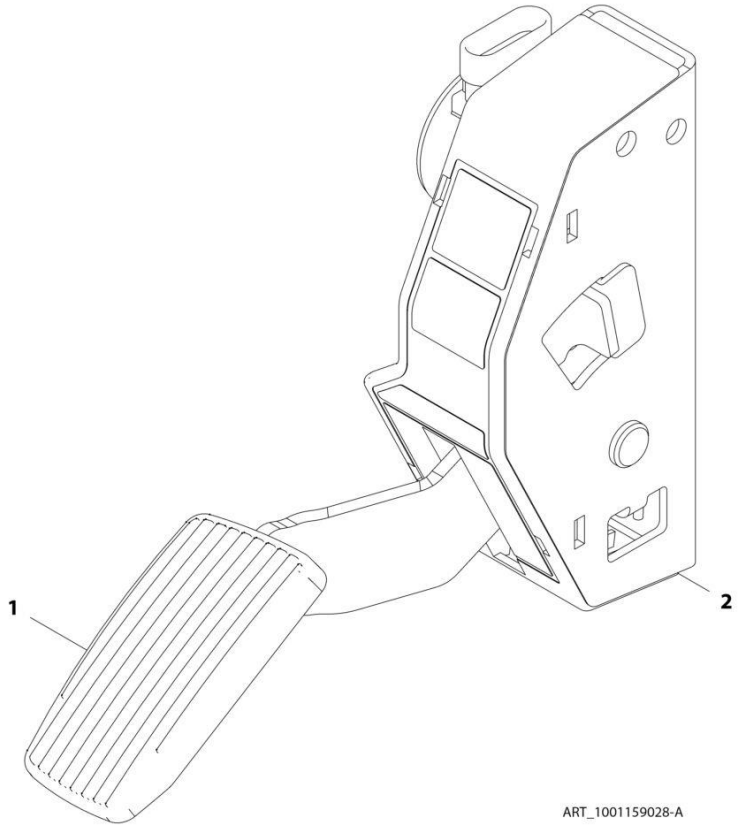


FIGURE 7-2. ACCELERATOR PEDAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159028	Ref	Accelerator Pedal	A
1	70025816	1	Pad, Rubber	
2	70025817	1	Cover, Rubber	

FIGURE 7-3. BRAKE PEDAL INSTALLATION

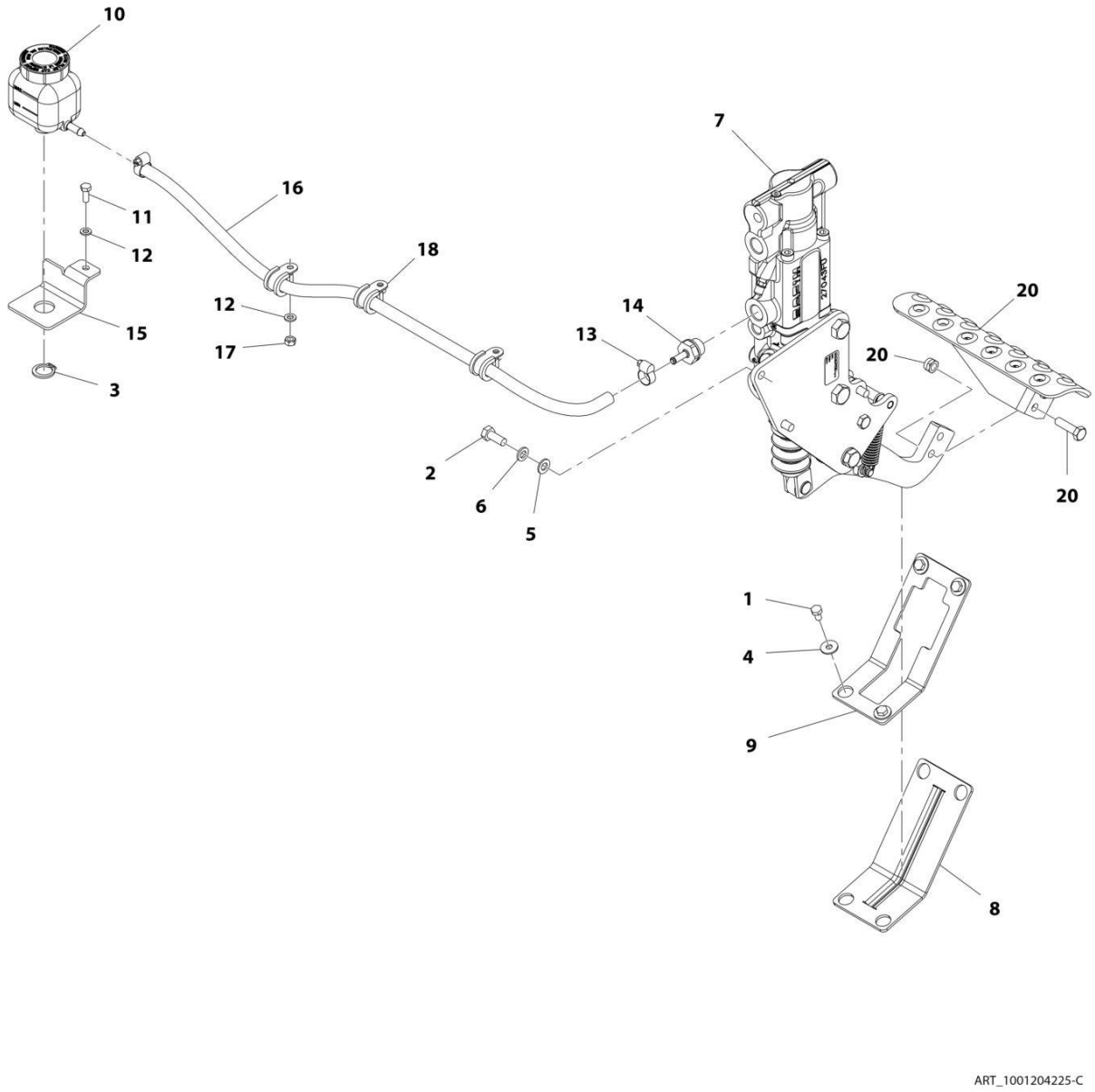
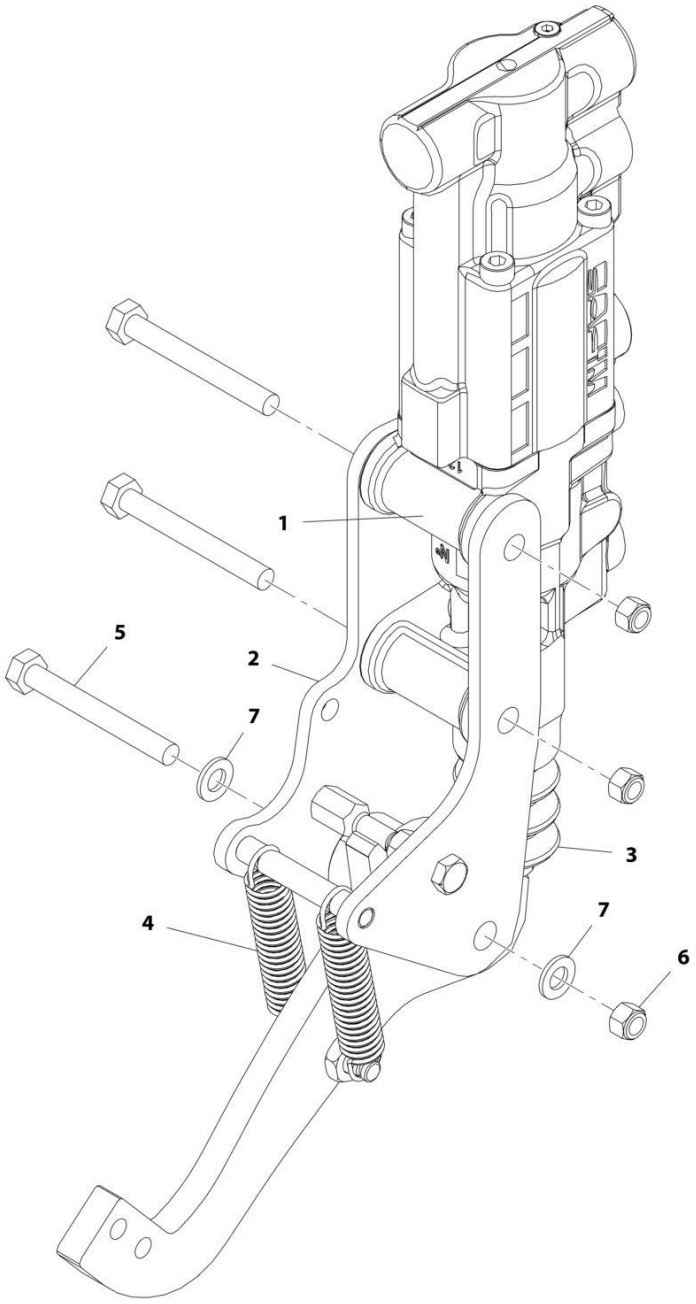


FIGURE 7-3. BRAKE PEDAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204225	Ref	Brake Pedal Installation	C
1	0760605	4	Bolt, M6X10	
2	0760810	3	Bolt, M8X20	
3	3760348	1	Ring, Retaining	
4	4811702	4	Washer, M6	
5	4811900	3	Washer, M8	
6	4831900	3	Washer, Lock M8	
7	1001197138	1	Pedal, Brake (See Separate Breakdown in this Section)	
8	1001162920	1	Gasket, Brake Pedal	
9	1001162922	1	Plate	
10	1001214220	1	Reservoir, Brake	
11	0760608	1	Bolt, M6X16	
12	4811700	4	Washer, M6	
13	8405009	2	Clamp, Gear	
14	1001171874	1	Fitting, Hose Barb	
15	1001172088	1	Bracket, Brake Reservoir	
16	1001172094	1	Hose, Brake Reservoir	
17	3290601	3	Nut, M6X1	
18	1001170231	3	Clip, M6X15	
20	1001197139	1	Plate, Brake Pedal (See Separate Breakdown in this Section)	

FIGURE 7-4. BRAKE PEDAL



ART_1001197138-D

FIGURE 7-4. BRAKE PEDAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197138	Ref	Brake Pedal	D
1	70026432	1	Cylinder, Master	
2	70026433	1	Support	
3	70025859	1	Cover, Dust	
4	70025860	2	Spring, Return	
5	0701226	3	Bolt, M12X90	
6	3291205	3	Nut, Lock M12X1.75	
7	4812100	2	Washer, M12	

FIGURE 7-5. BRAKE PEDAL PLATE

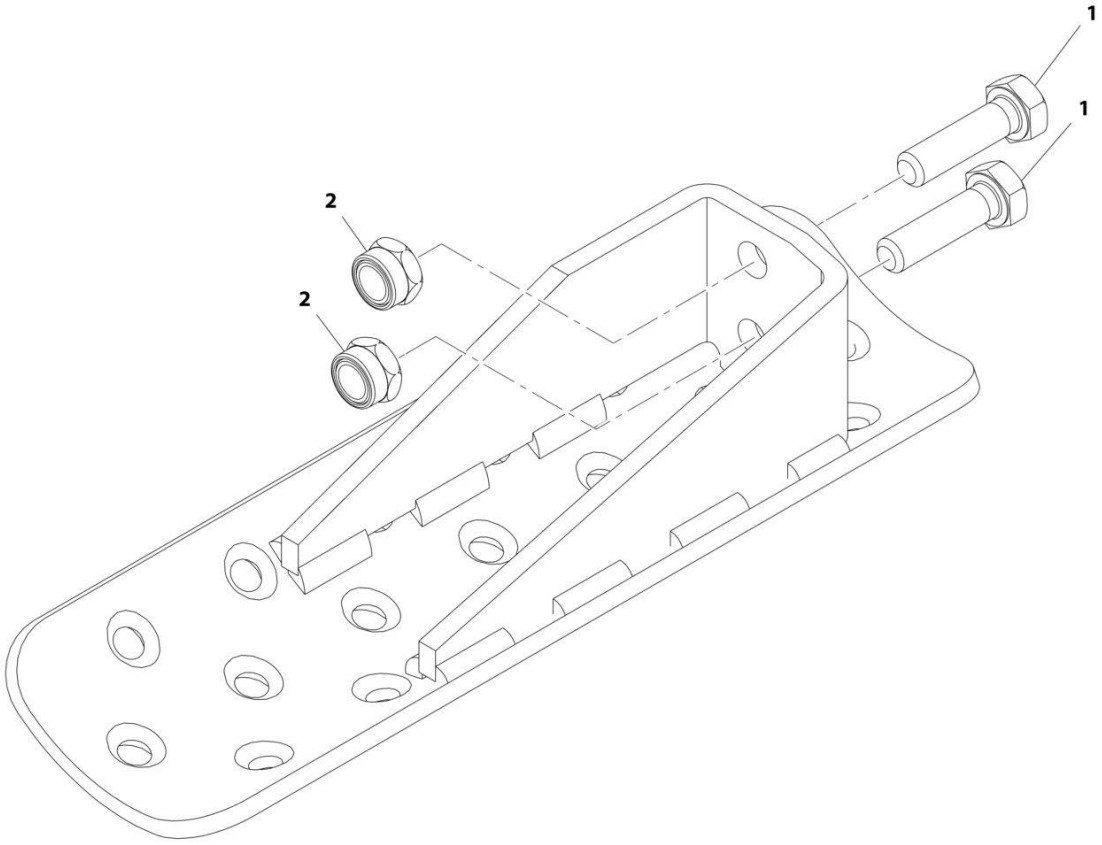


FIGURE 7-5. BRAKE PEDAL PLATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197139	Ref	Brake Pedal Plate	A
1	0770814	1	Bolt, M8X30 Grade 10.9	
2	3290805	1	Nut, Lock M8X1.25 Grade 8	

FIGURE 7-6. COLUMN CLAMP INSTALLATION

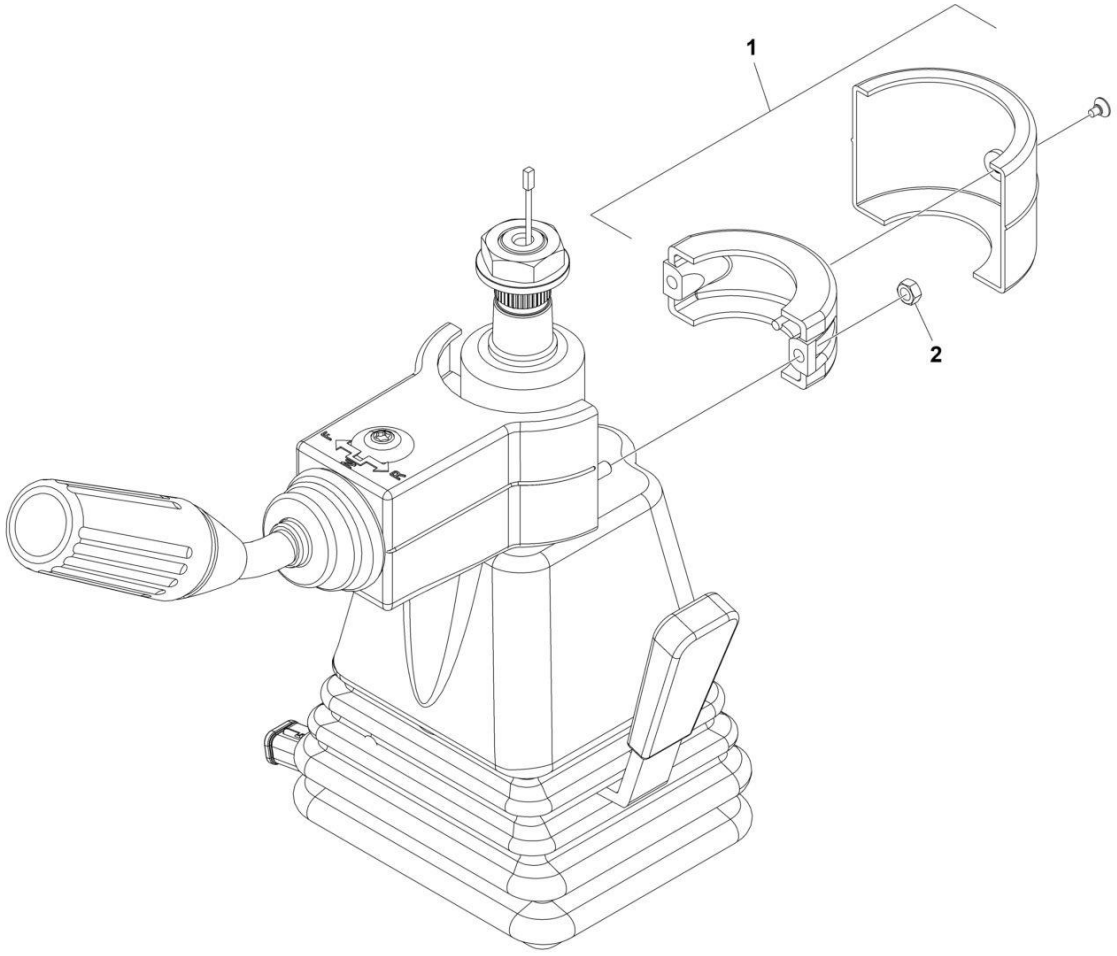
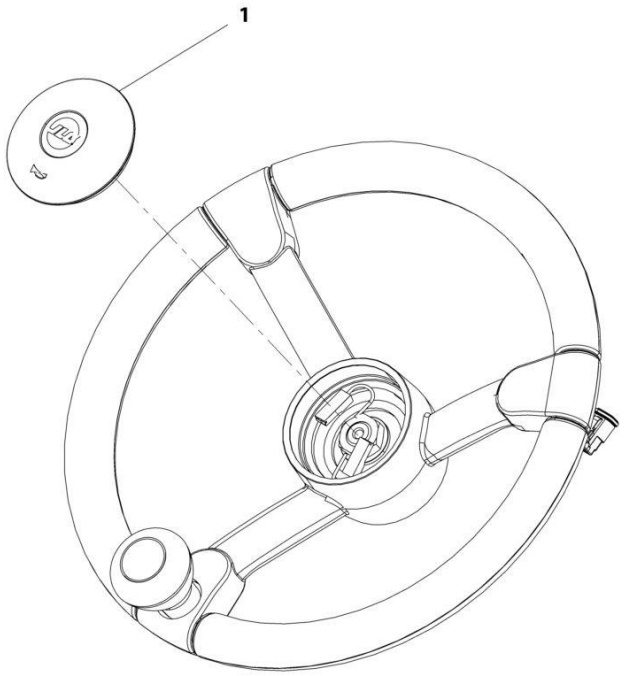


FIGURE 7-6. COLUMN CLAMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182671	Ref	Column Clamp Installation	E
1	1001146949	1	Clamp	
2	3290505	2	Nut, Lock M5	

FIGURE 7-7. HORN BUTTON INSTALLATION



ART_1001169763-A

FIGURE 7-7. HORN BUTTON INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169763	Ref	Horn Button Installation	A
1	1001169268	1	Button, Horn	

FIGURE 7-8. JOYSTICK INSTALLATION (2 ROLLER, 0 BUTTON)

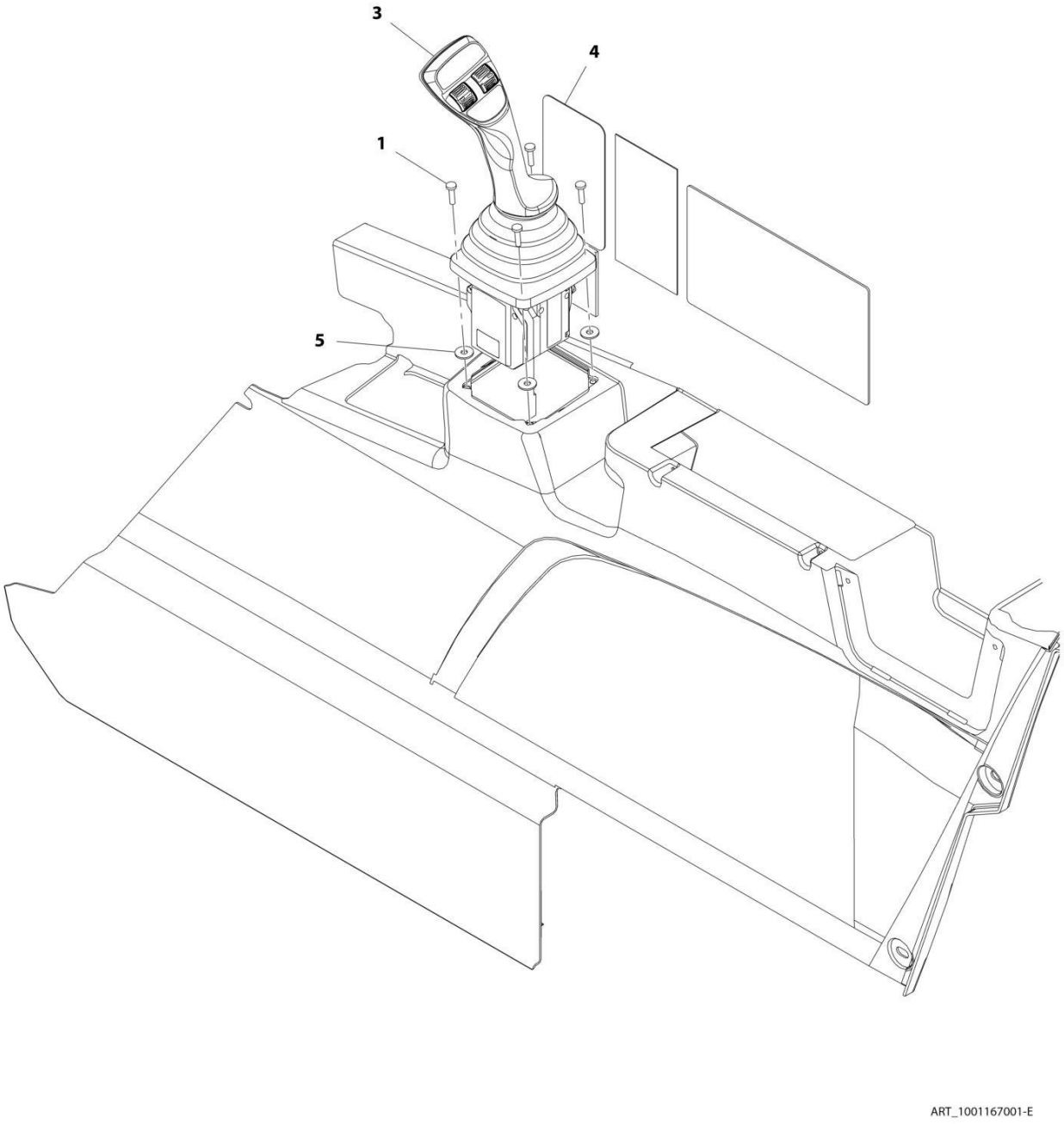


FIGURE 7-8. JOYSTICK INSTALLATION (2 ROLLER, 0 BUTTON)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167001	Ref	Joystick Installation (2 Roller, 0 Button)	E
1	4010510	4	Screw, M5X20	
3	1001222609	1	Joystick (See Separate Breakdown in this Section)	
4	1001181543	1	Decal, Joystick	
5	4811702001	AR	Washer	

FIGURE 7-9. JOYSTICK

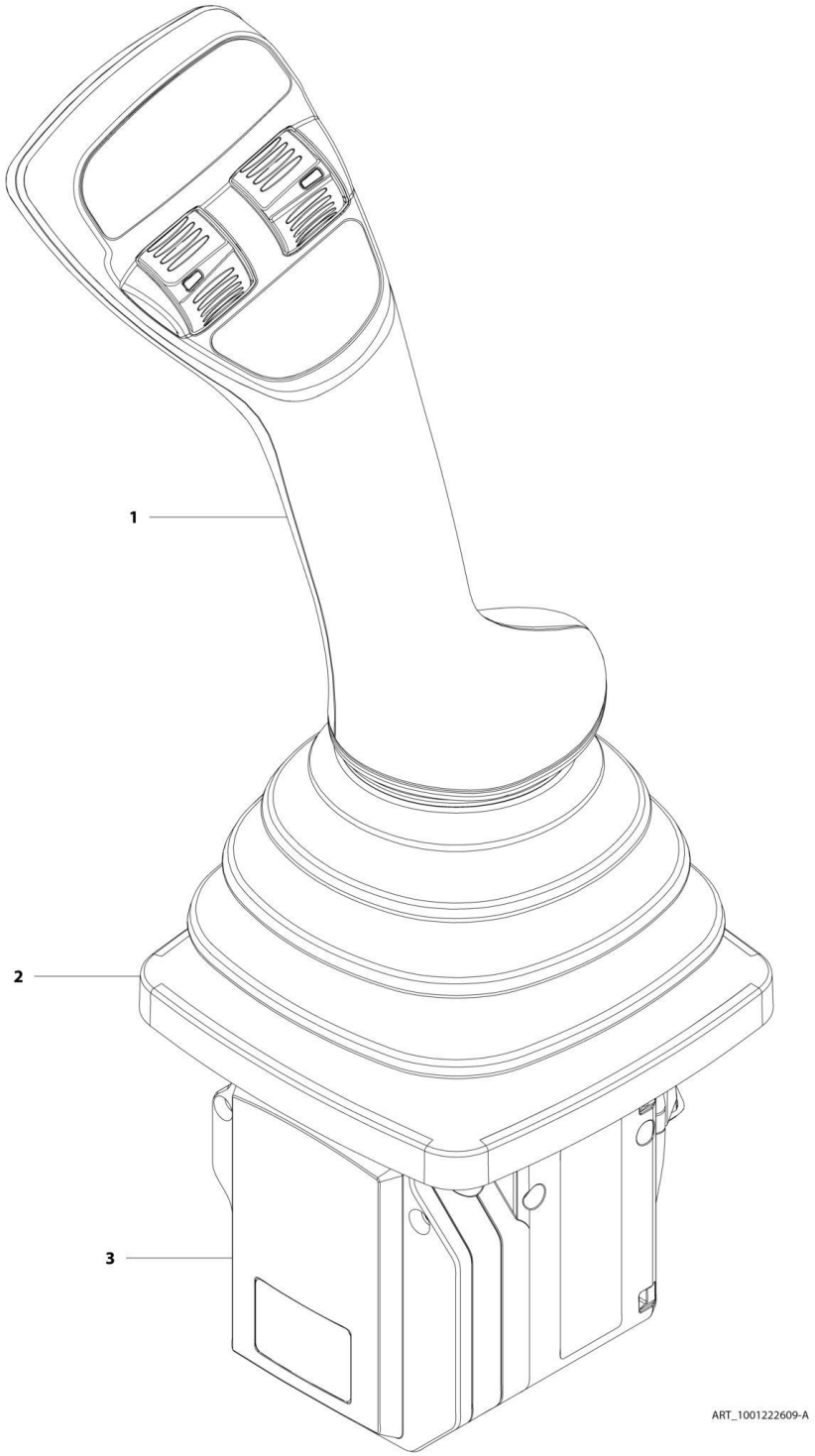


FIGURE 7-9. JOYSTICK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222609	Ref	Joystick	A
1	70026257	1	Handle, Joystick	
2	70025844	1	Gaiter	
3	70026258	1	Base, Joystick	

FIGURE 7-10. STEERING COLUMN INSTALLATION

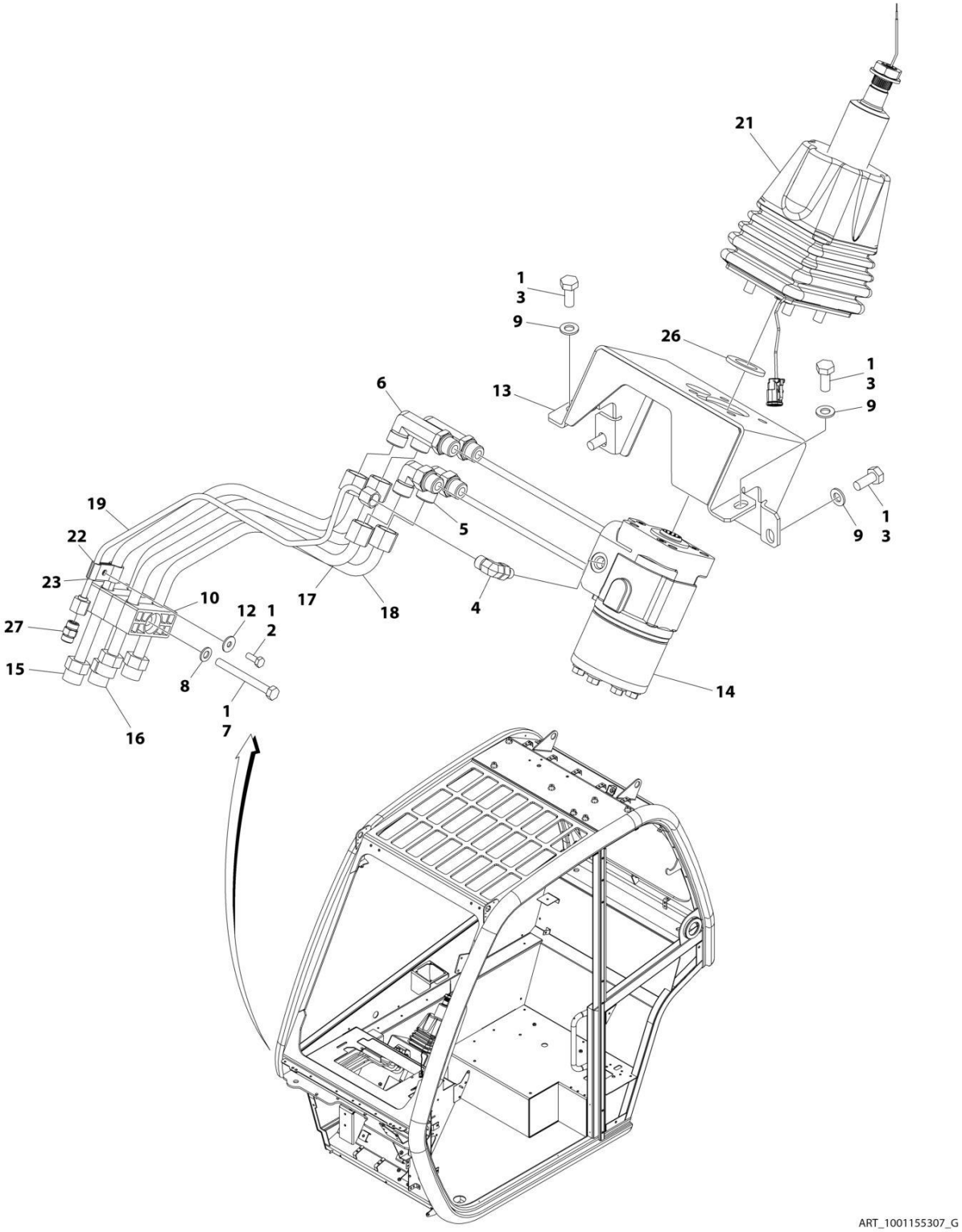


FIGURE 7-10. STEERING COLUMN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155307	Ref	Steering Column Installation	G
1	1001095650	AR	Compound, Locking	
2	0760608	1	Bolt, M6X16	
3	0761012	8	Bolt, M10X25	
4	2130404	1	Fitting, 90 ORFS	
5	2130808	2	Fitting, 90 ORFS	
6	2170208	2	Fitting, 90 ORFS	
7	0700824	1	Bolt, M8X80	
8	4811900	1	Washer, M8	
9	4812000	8	Washer, M10	
10	1001004640	4	Clamp	
12	4811702	1	Washer, M6	
13	1001156265	1	Cab, Steering Column Support	
14	1001158527	1	Valve, Steering (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
15	1001161672	1	Pipe	
16	1001161896	1	Pipe	
17	1001161897	1	Pipe	
18	1001161898	1	Pipe	
19	1001162979	1	Pipe	
21	1001256952	1	Column, Steering	
22	1001168142	1	Bracket	
23	1001168151	1	Bracket	
26	1001214480	1	Washer	
27	1001143857	1	Adaptor	

FIGURE 7-11. EMERGENCY STEERING COLUMN INSTALLATION

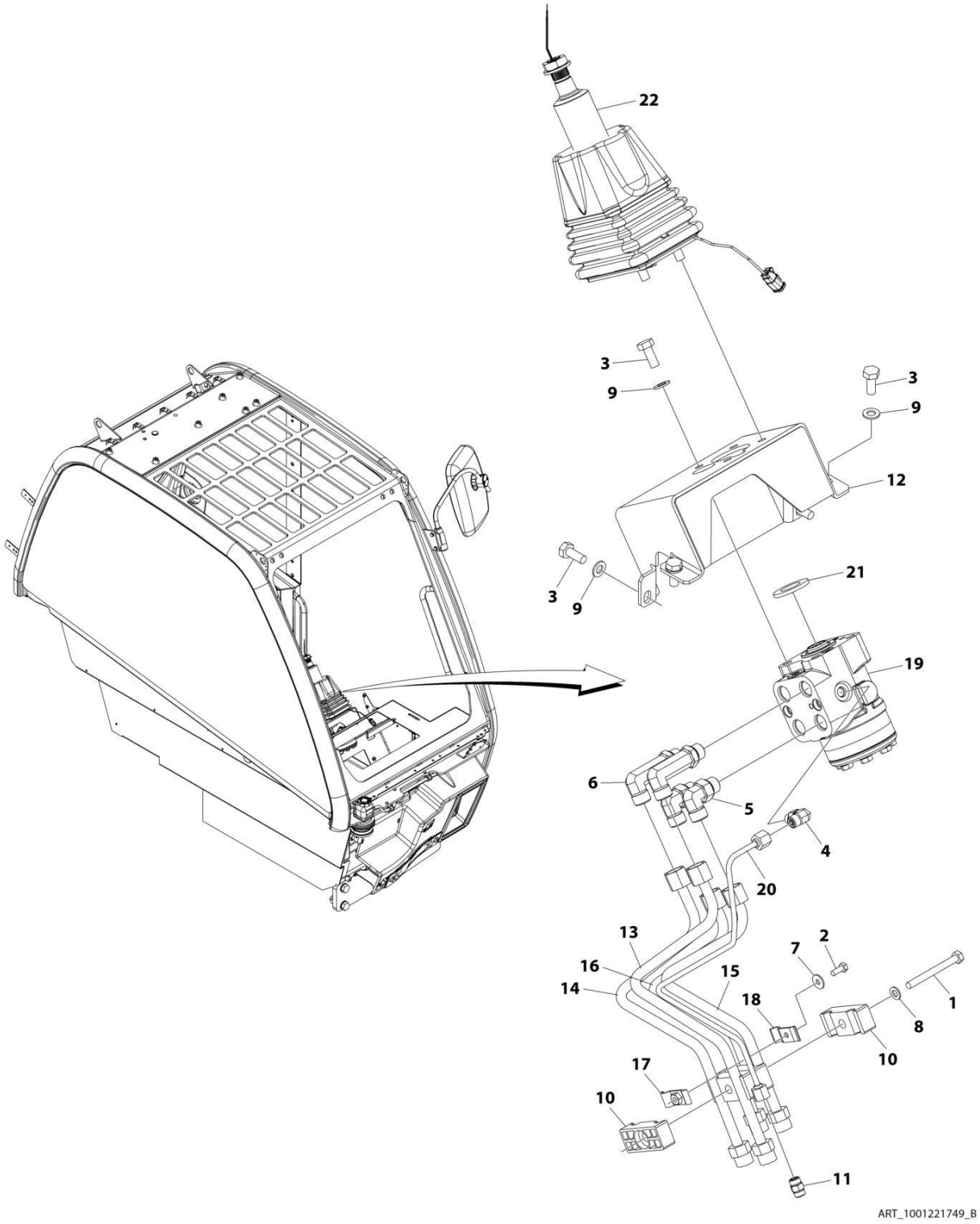


FIGURE 7-11. EMERGENCY STEERING COLUMN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221749	Ref	Emergency Steering Column Installation	B
1	0700824	1	Bolt, M8X80	
2	0760608	1	Bolt, M6X16	
3	0761012	8	Bolt, M10X25	
4	2130404	1	Fitting, 90 ORFS	
5	2130808	2	Fitting, 90 ORFS	
6	2170208	2	Fitting, 90 ORFS	
7	4811702	1	Washer, M6	
8	4811900	1	Washer, M8	
9	4812000	8	Washer, M10	
10	1001004640	4	Clamp	
11	1001143857	1	Adapter	
12	1001156265	1	Cab, Steering Column Support	
13	1001161672	1	Pipe	
14	1001161896	1	Pipe	
15	1001161897	1	Pipe	
16	1001161898	1	Pipe	
17	1001168142	1	Bracket	
18	1001168151	1	Bracket	
19	1001178670	1	Valve, Steering (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
20	1001194282	1	Pipe	
21	1001214480	1	Washer	
22	1001256952	1	Column, Steering	

FIGURE 7-12. STEERING WHEEL INSTALLATION

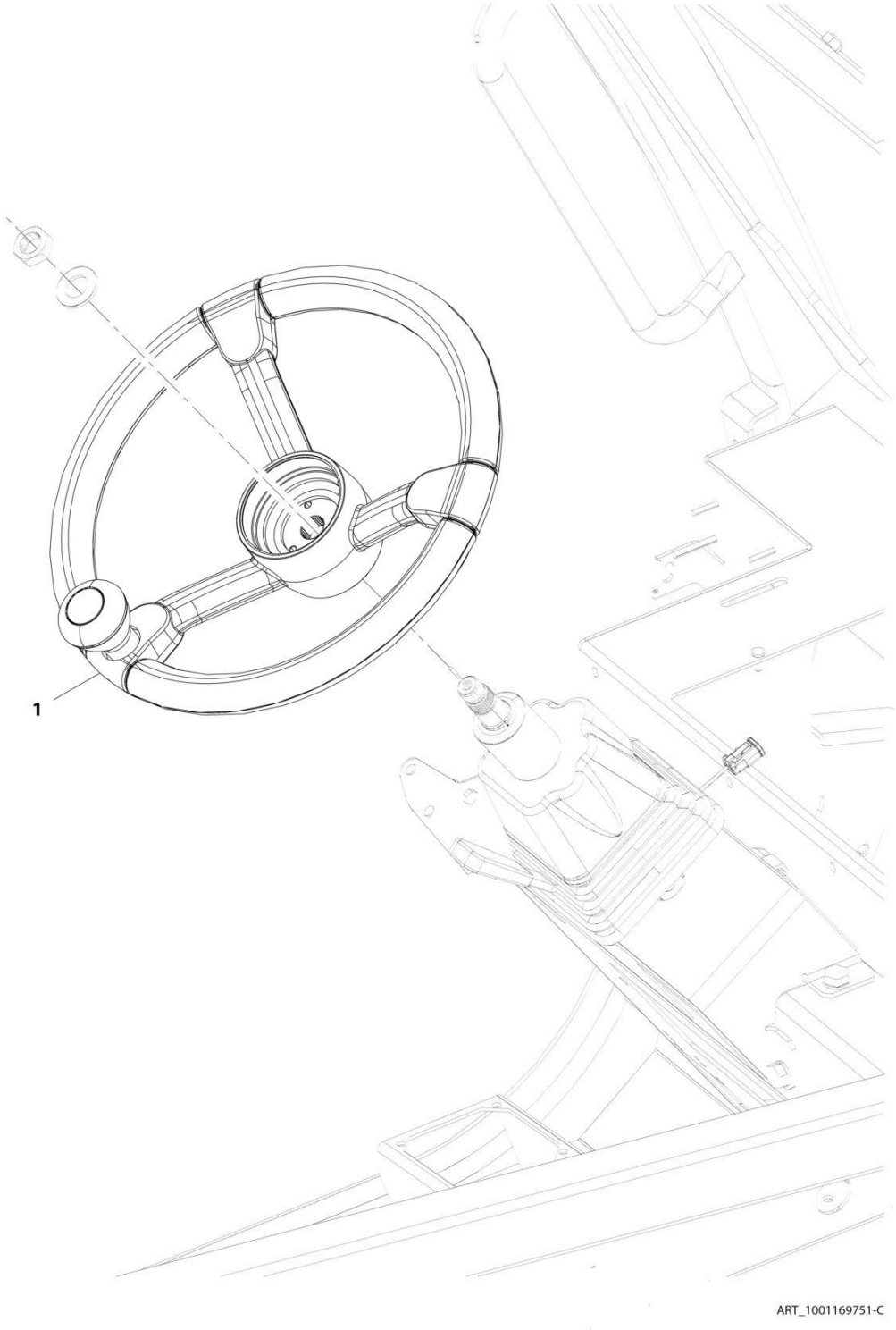
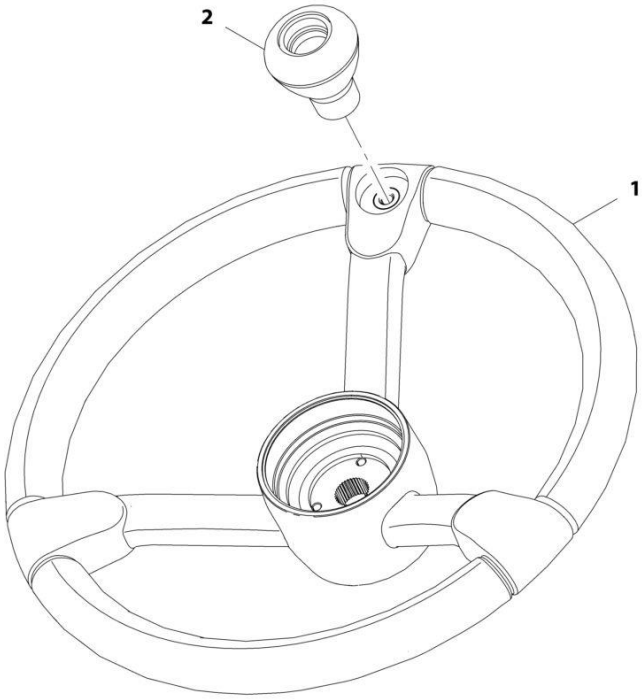


FIGURE 7-12. STEERING WHEEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169751	Ref	Steering Wheel Installation	C
1	1001169354	1	Wheel, Steering (See Separate Breakdown in this Section)	

FIGURE 7-13. STEERING WHEEL



ART_1001169354-D

FIGURE 7-13. STEERING WHEEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169354	Ref	Steering Wheel	D
1	1001169367	1	Wheel, Steering	
2	1001169355	1	Handle, Steer Spinner	

FIGURE 7-14. WIPER-TURN SWITCH

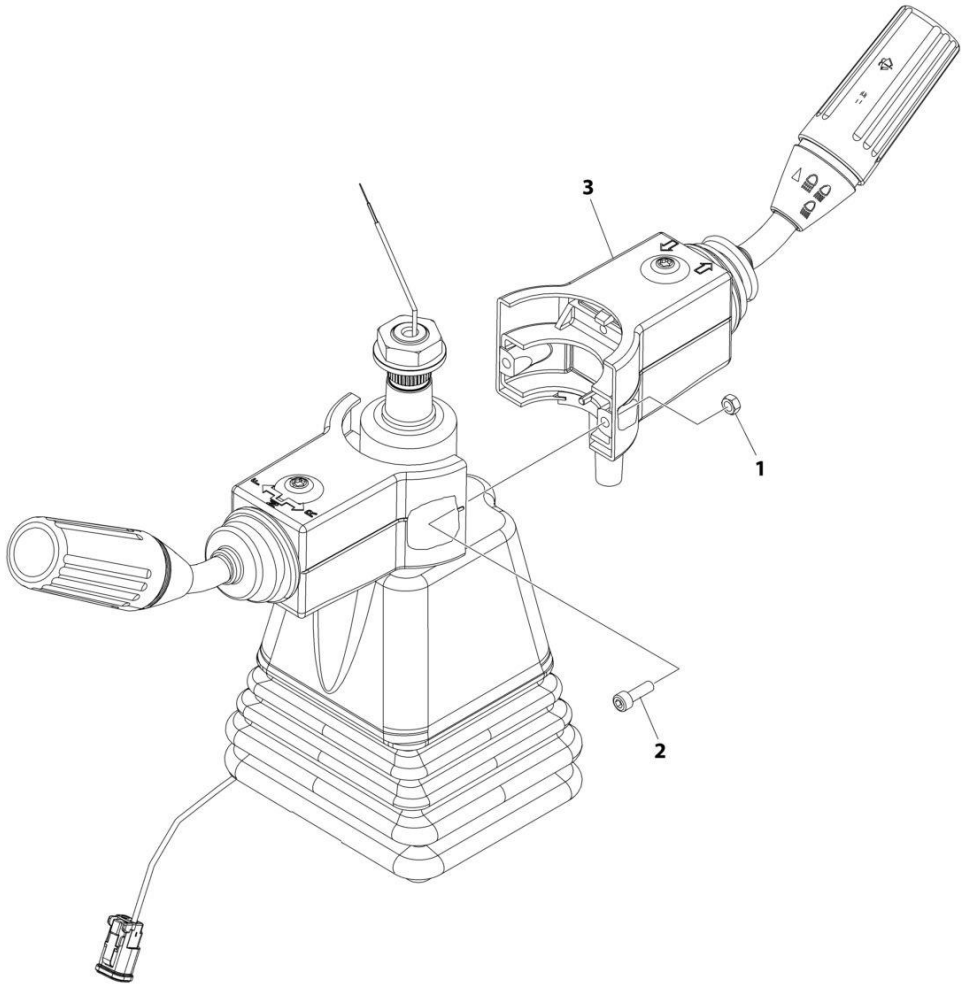


FIGURE 7-14. WIPER-TURN SWITCH

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257071	Ref	Wiper-Turn Switch Installation	B
1	3290505	2	Nut, Lock M5	
2	4031607	2	Capscrew M5 x 16	
3	1001256974	1	Switch, Turn-Wiper	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. MAIN HYDRAULIC INSTALLATION (NO OUTRIGGERS)

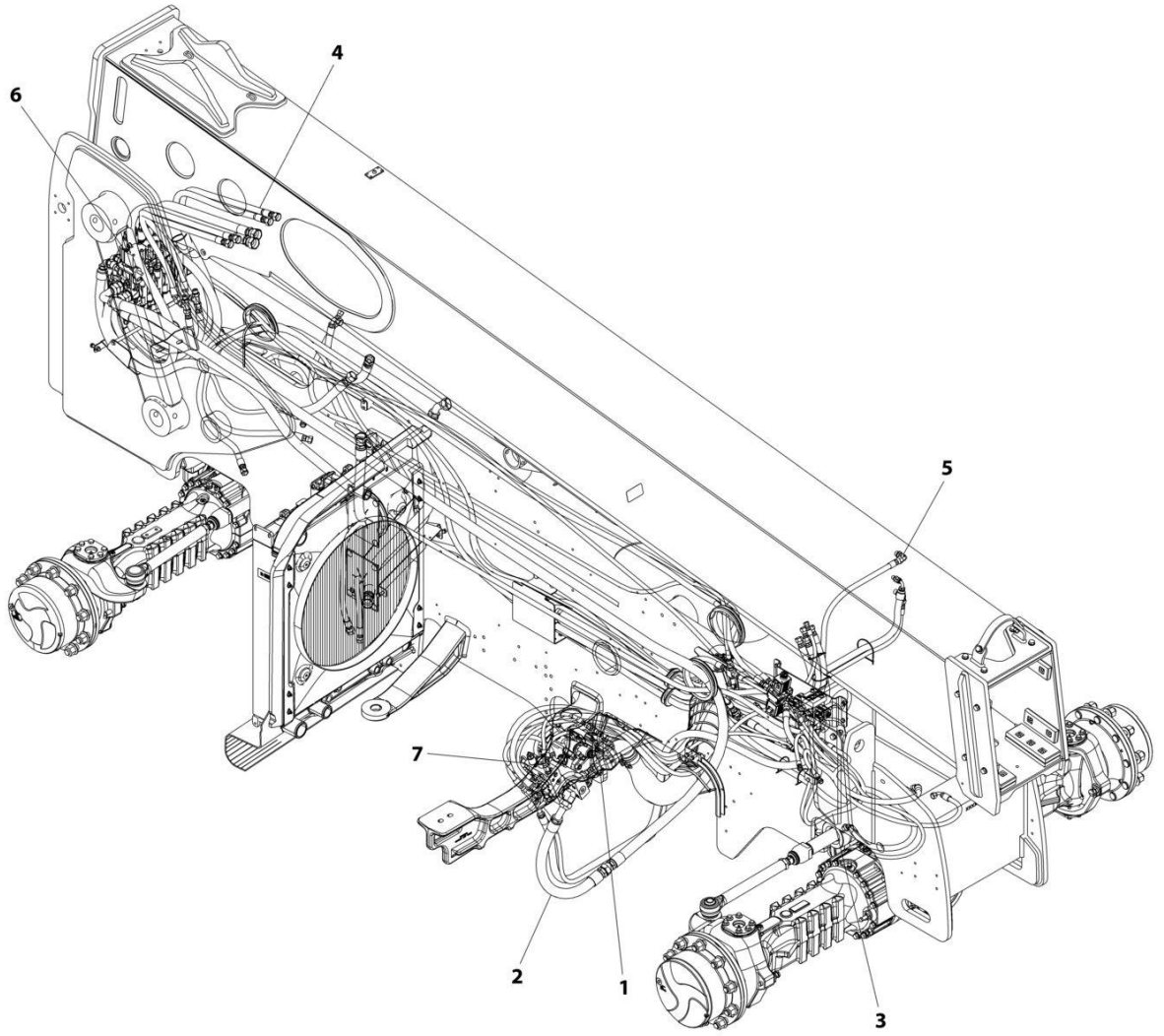


FIGURE 8-1. MAIN HYDRAULIC INSTALLATION (NO OUTRIGGERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227385	Ref	Main Hydraulic Installation (No Outriggers)	B
1	1001162670	Ref	Installation, Piston Pump (See Separate Breakdown in this Section)	
2	1001227497	Ref	Installation, Hydraulic Lines (See Separate Breakdown in this Section)	
3	1001168468	Ref	Installation, Frame Level Hydraulics (See Separate Breakdown in this Section)	
4	1001170100	Ref	Installation, Boom Hydraulic (See Separate Breakdown in this Section)	
5	1001175789	Ref	Installation, Cab Hydraulic (See Separate Breakdown in this Section)	
6	1001225748	Ref	Installation, Valve (See Separate Breakdown in this Section)	
7	1001161308	Ref	Installation, Priority Manifold Valve (See Separate Breakdown in this Section)	

FIGURE 8-2. MAIN HYDRAULIC INSTALLATION, EMERGENCY STEERING

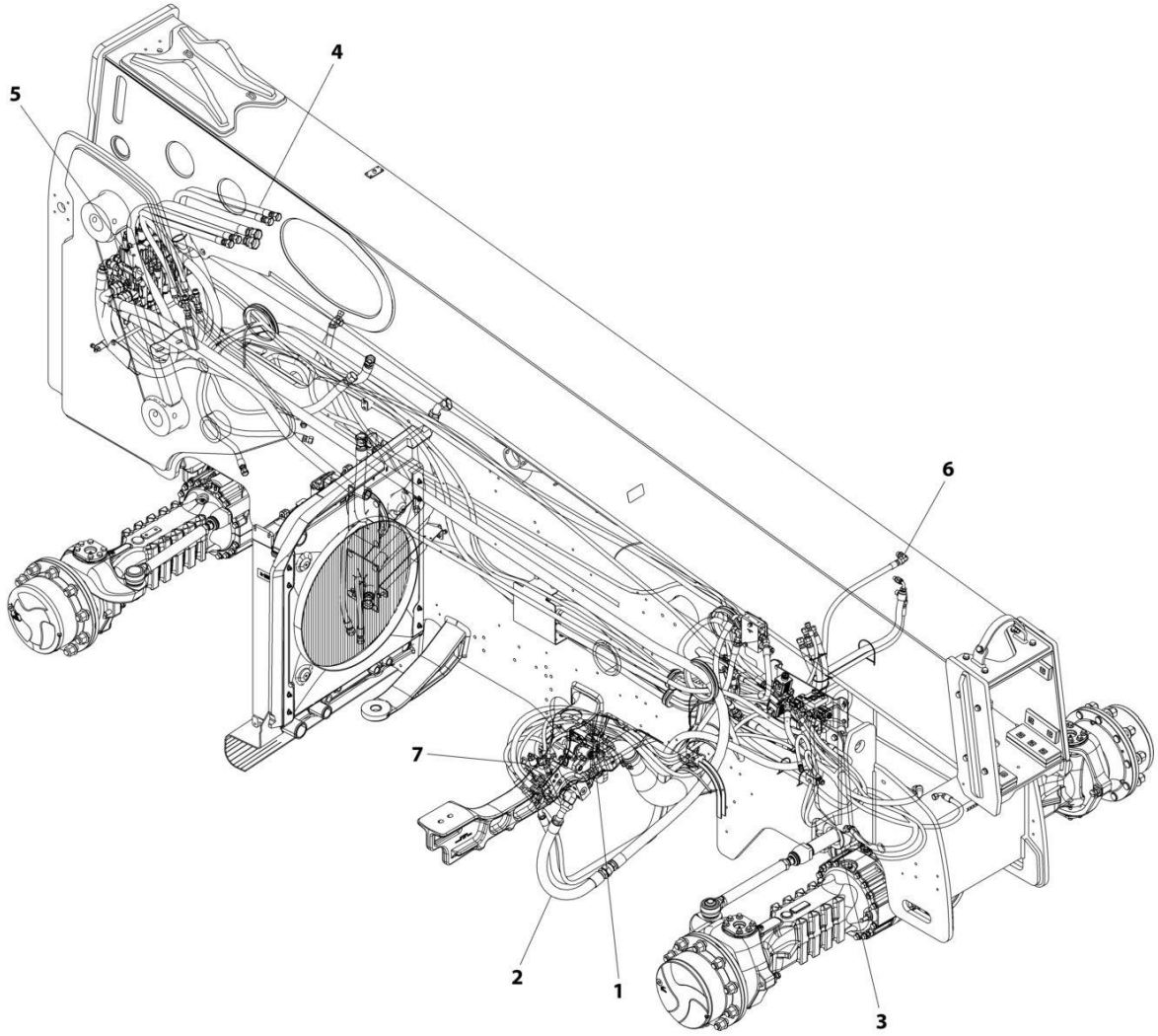


FIGURE 8-2. MAIN HYDRAULIC INSTALLATION, EMERGENCY STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227387	Ref	Main Hydraulic Installation, Emergency Steering (No Outriggers)	B
1	1001162670	Ref	Installation, Piston Pump (See Separate Breakdown in this Section)	
2	1001227497	Ref	Installation, Hydraulic Lines (See Separate Breakdown in this Section)	
3	1001168468	Ref	Installation, Frame Level Hydraulics (See Separate Breakdown in this Section)	
4	1001170100	Ref	Installation, Boom Hydraulic (See Separate Breakdown in this Section)	
5	1001225748	Ref	Installation, Valve (See Separate Breakdown in this Section)	
6	1001226575	Ref	Installation, Cab Hydraulic, Emergency Steering (See Separate Breakdown in this Section)	
7	1001161308	Ref	Installation, Priority Manifold Valve (See Separate Breakdown in this Section)	

FIGURE 8-3. BOOM HYDRAULIC INSTALLATION

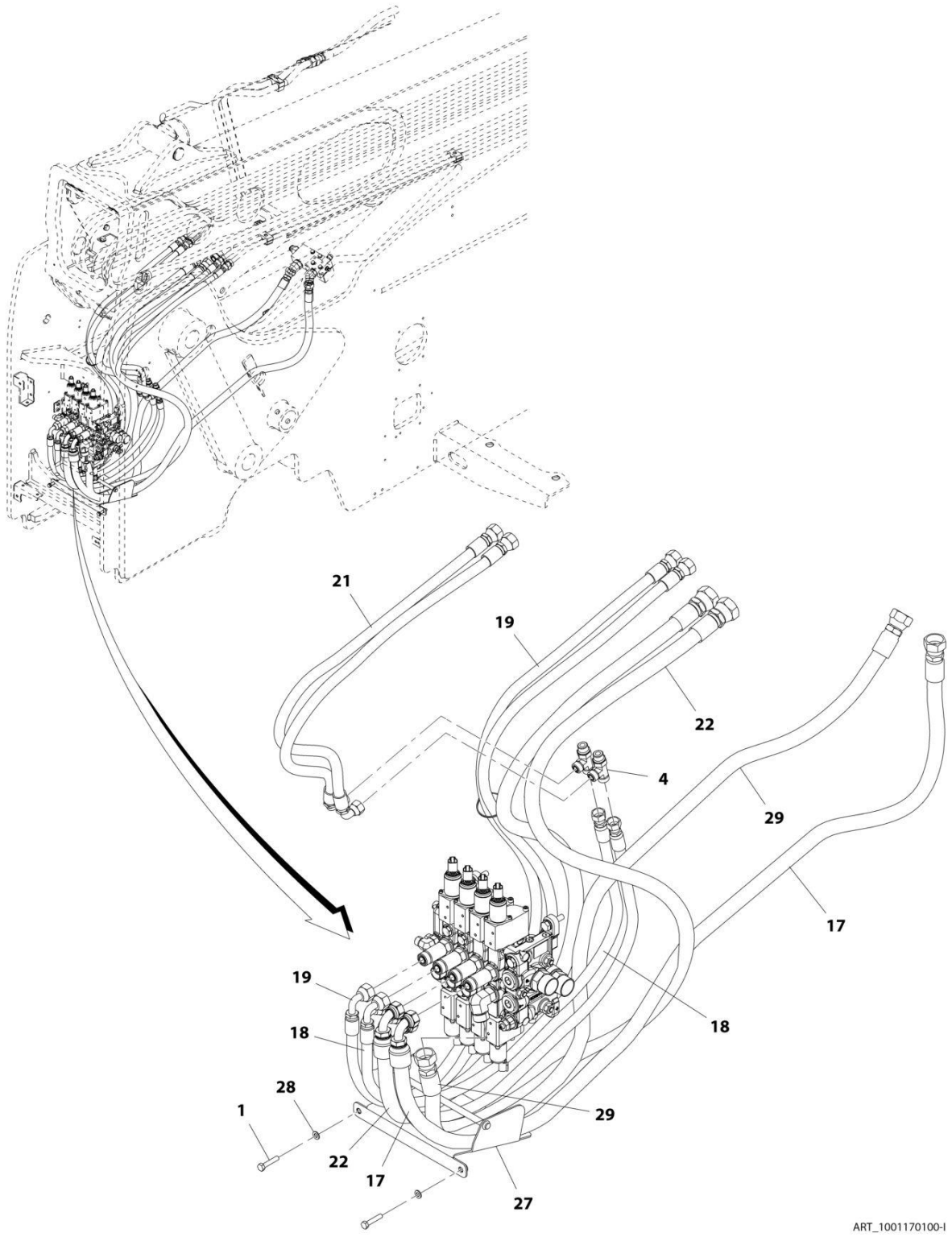


FIGURE 8-3. BOOM HYDRAULIC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170100	Ref	Boom Hydraulic Installation, Emergency Steering	I
1	0700816	2	Bolt, M8X40	
4	2170308	2	Fitting, Tee ORFS	
17	1001169375	1	Hose	
18	1001188637	2	Hose	
19	1001169378	2	Hose	
21	1001175718	1	Hose	
22	1001169376	2	Hose	
27	1001193771	1	Channel, Boom Hose	
28	4811900	2	Washer, M8	
29	1001195217	1	Hose	

FIGURE 8-4. BOOM AUXILIARY HYDRAULICS INSTALLATION

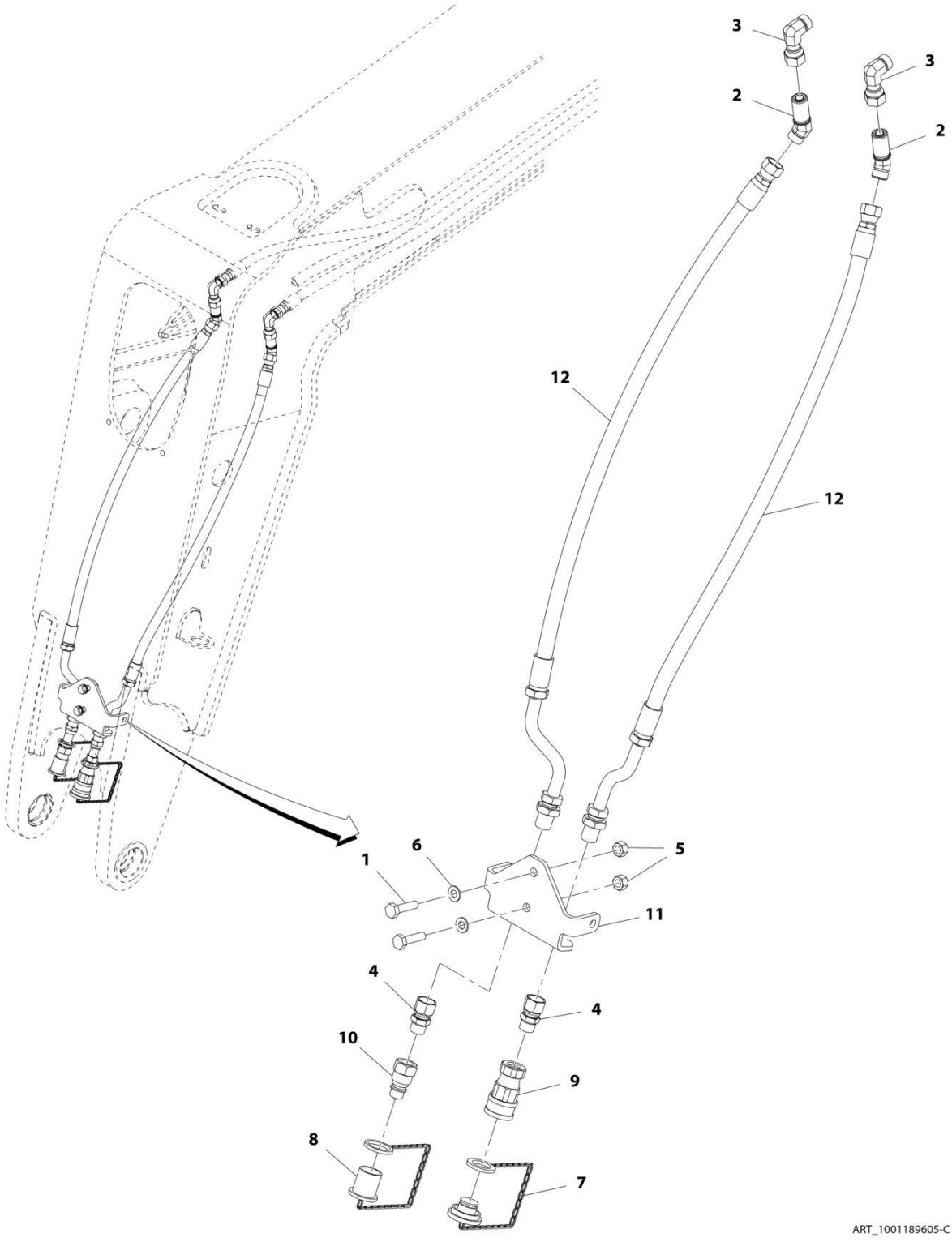


FIGURE 8-4. BOOM AUXILIARY HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189605	Ref	Boom Auxiliary Hydraulics Installation	C
1	0701016	2	Bolt, M10X40	
2	2171308	2	Fitting, 45 ORFS	
3	2172108	2	Fitting, 90 ORFS	
4	1001210775	2	Fitting, Straight	
5	3291005	2	Nut, Lock M10X1.5	
6	4812000	2	Washer, M10	
7	91043125	1	Plug	
8	91043126	1	Cap	
9	91403413	1	Fitting, Straight	
10	91403414	1	Fitting, Straight	
11	1001164948	1	Bracket	
12	1001189224	2	Hose	

FIGURE 8-5. BOOM AUXILIARY HYDRAULICS (HYDRAULIC COUPLER)

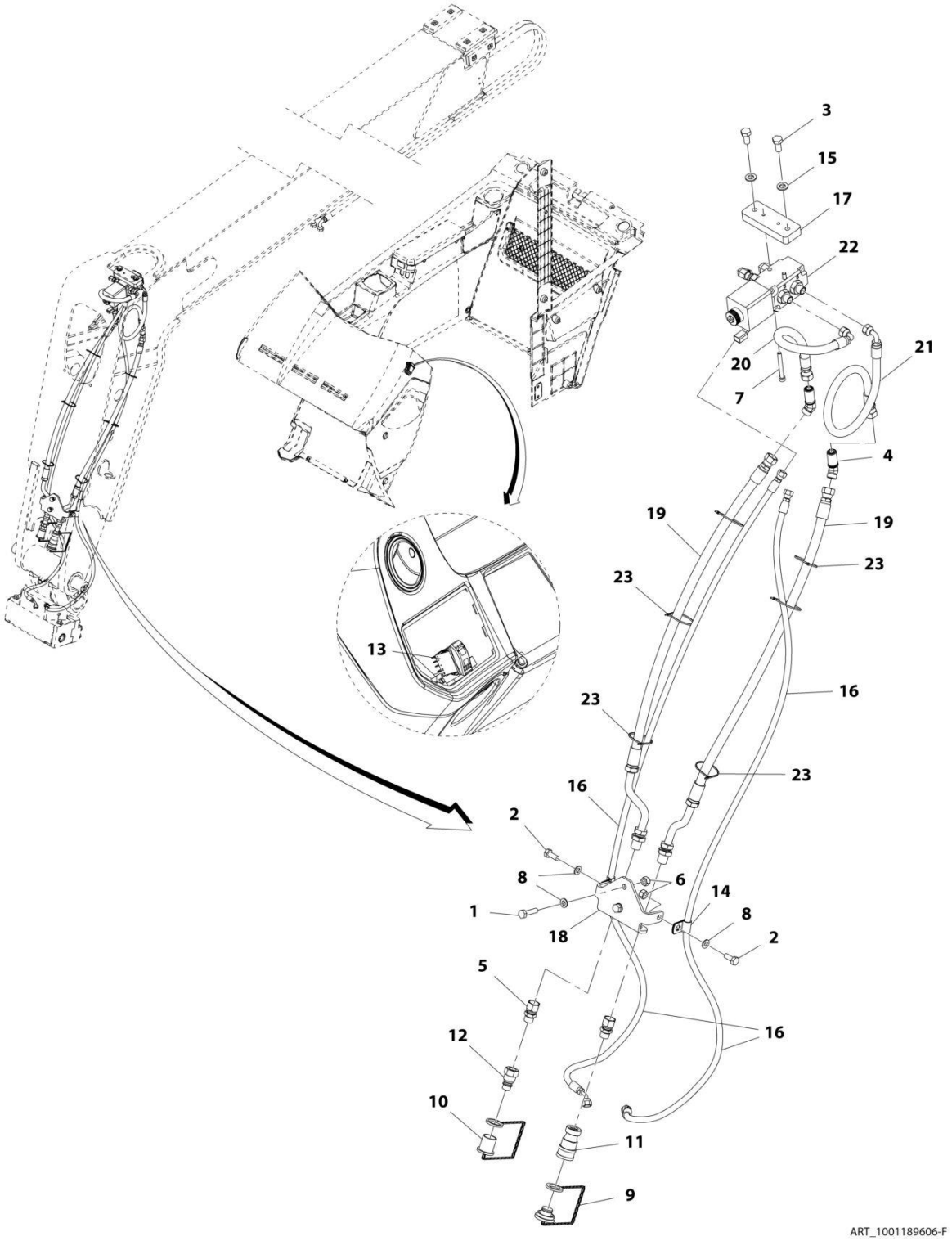


FIGURE 8-5. BOOM AUXILIARY HYDRAULICS (HYDRAULIC COUPLER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189606	Ref	Boom Auxiliary Hydraulics (Hydraulic Coupler)	F
1	0701016	2	Bolt, M10X40	
2	0761012	2	Bolt, M10X25	
3	0761212	2	Bolt, M12X25	
4	2171308	2	Fitting, 45 ORFS	
5	1001210775	2	Fitting, Straight	
6	3291005	4	Nut, Lock M10X1.5	
7	4031918	2	Bolt, M8X70	
8	4812000	4	Washer, M10	
9	91043125	1	Plug	
10	91043126	1	Cap	
11	91403413	1	Fitting, Straight	
12	91403414	1	Fitting, Straight	
13	1001080375	1	Switch	
14	1001080996	2	Clamp	
15	1001125117	2	Washer, M12	
16	1001210340	2	Hose	
17	1001164870	1	Plate	
18	1001164948	1	Bracket	
19	1001189224	2	Hose	
20	1001189299	1	Hose	
21	1001189308	1	Hose	
22	1001189663	1	Assembly, Valve Quick Coupler (See Separate Breakdown in this Section)	
23	4240099	6	Strap, Tie	

FIGURE 8-6. BOOM AUXILIARY VALVE & FITTINGS ASSEMBLY (HYDRAULIC COUPLER)

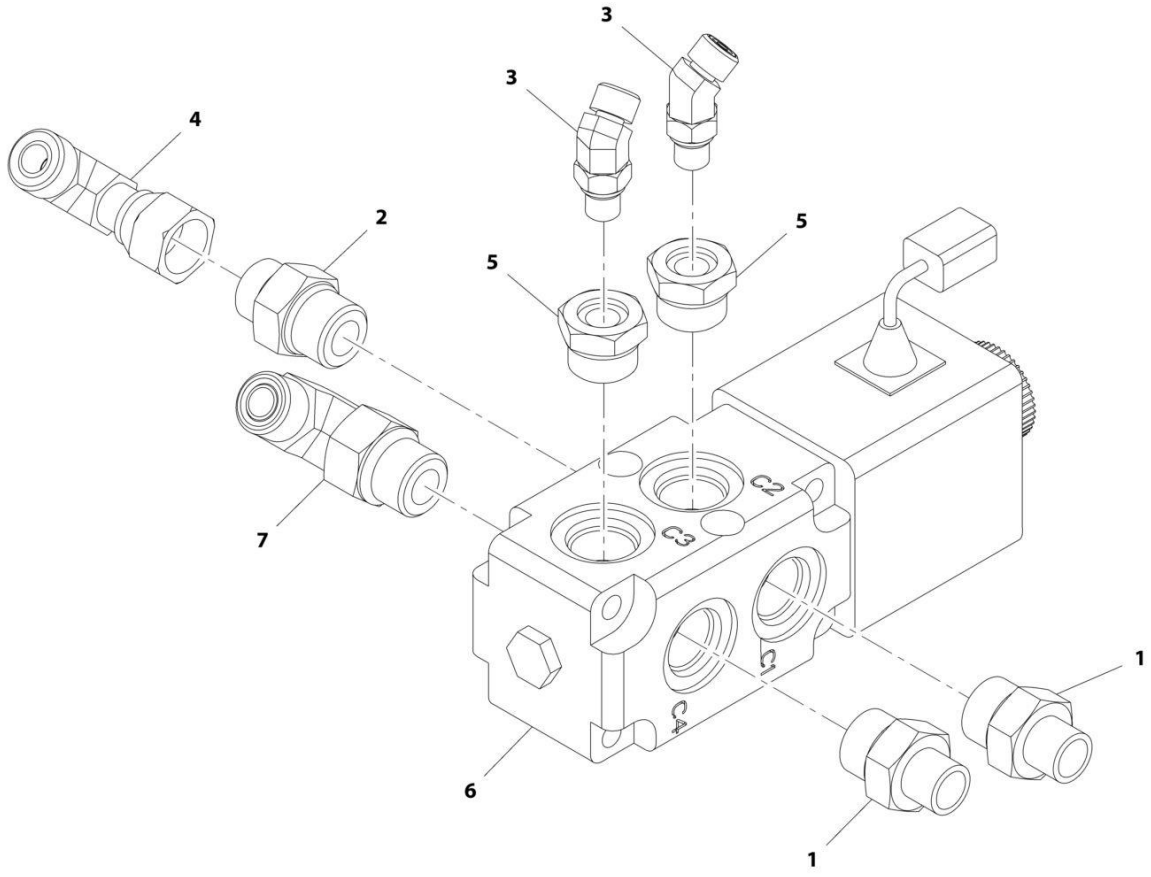


FIGURE 8-6. BOOM AUXILIARY VALVE & FITTINGS ASSEMBLY (HYDRAULIC COUPLER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189663	Ref	Quick Coupler Valve Assembly	C
1	2110610	2	Fitting, Straight ORFS	
2	2110810	1	Fitting, Straight ORFS	
3	2150404	2	Fitting, 45 ORFS	
4	2172108	1	Fitting, 90 ORFS	
5	1001001568	2	Reducer	
6	1001104477	1	Valve, Quick Coupler (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
7	2130810	1	Fitting, 90 ORFS	

FIGURE 8-7. BOOM HYDRAULIC TUBES INSTALLATION

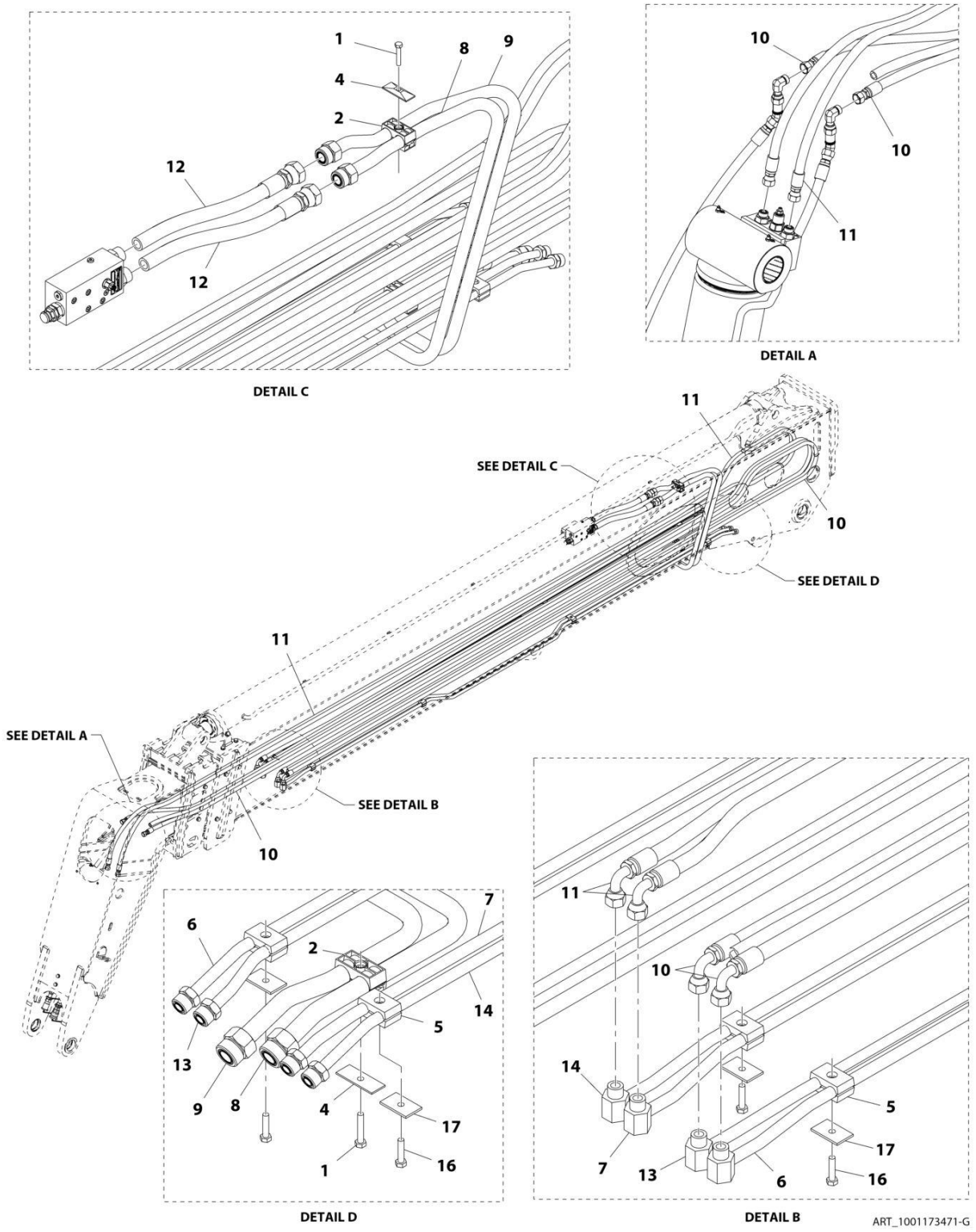


FIGURE 8-7. BOOM HYDRAULIC TUBES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173471	Ref	Boom Hydraulic Tubes Installation	G
1	0700817	2	Bolt, M8X45	
2	1321329	2	Clamp	
4	77133137	2	Plate, Cover	
5	77133139	8	Clamp	
6	1001162339	1	Tube	
7	1001162346	1	Tube	
8	1001162365	1	Tube	
9	1001162366	1	Tube	
10	1001163072	1	Hose	
11	1001163073	1	Hose	
12	1001170549	2	Hose	
13	1001173956	1	Tube	
14	1001173957	1	Tube	
16	0760815	8	Bolt, M8X35	
17	77133140	8	Plate, Cover	

FIGURE 8-8. CAB HYDRAULIC INSTALLATION

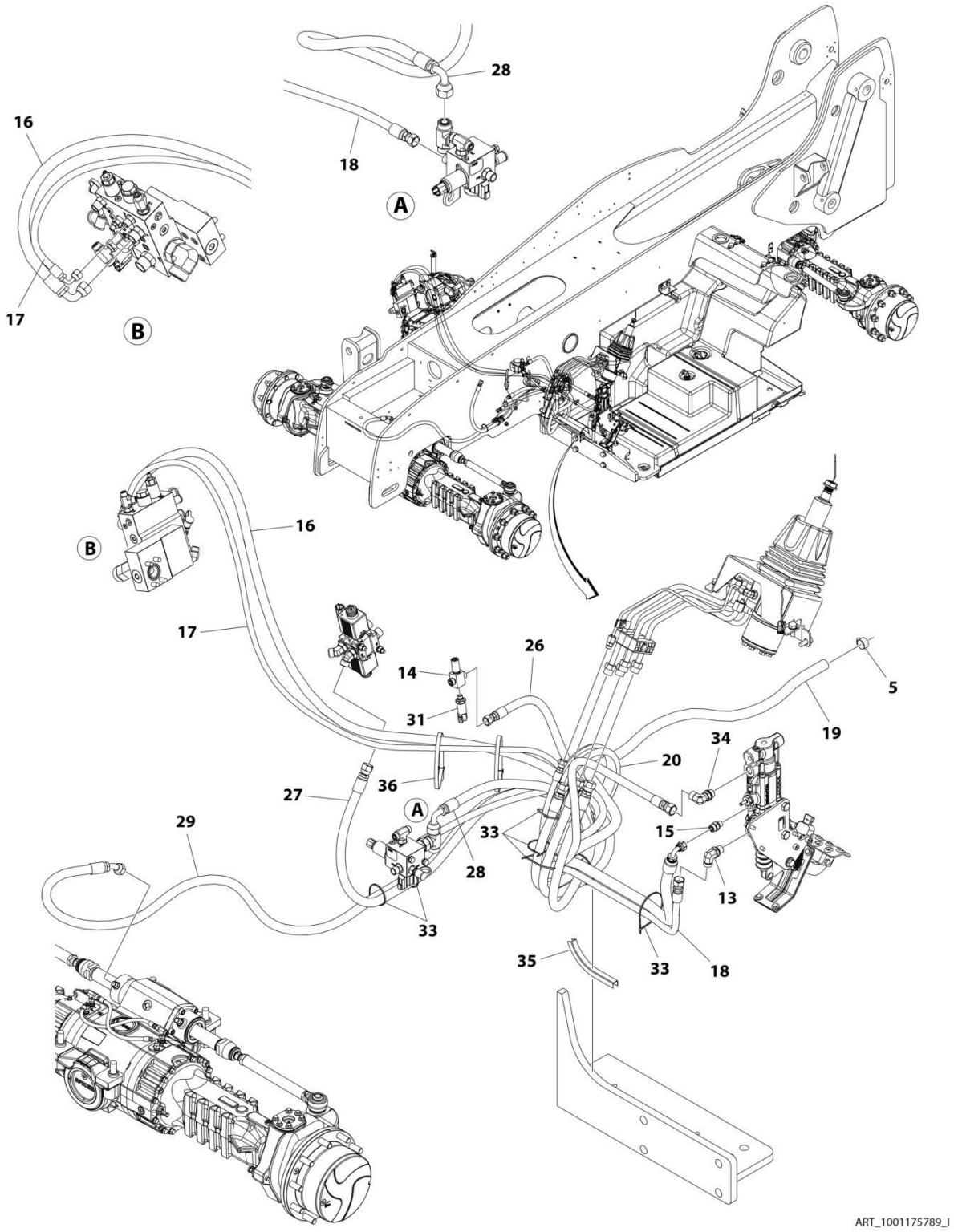


FIGURE 8-8. CAB HYDRAULIC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175789	Ref	Cab Hydraulic Installation	I
5	8405006	1	Clamp, Gear	
13	8770120	1	Fitting, 90 ORFS	
14	1001205756	1	Adapter	
15	80233218	1	Fitting, Straight ORFS	
16	1001253154	1	Hose	
17	1001253097	1	Hose	
18	1001253103	1	Hose	
19	1001161528	1	Hose	
20	1001169830	1	Grommet	
26	1001203067	1	Hose	
27	1001204152	1	Hose	
28	1001253156	1	Hose	
29	1001175713	1	Hose	
31	1001147340	1	Sensor, Pressure Transducer	
33	4240099	AR	Tie, Wire	
34	1001168054	1	Fitting, 90 ORFS	
35	4060919	230 mm	Trim, Hose Protection	
36	1001158298	2	Strap, Tie	

FIGURE 8-9. CAB HYDRAULICS INSTALLATION (EMERGENCY STEERING)

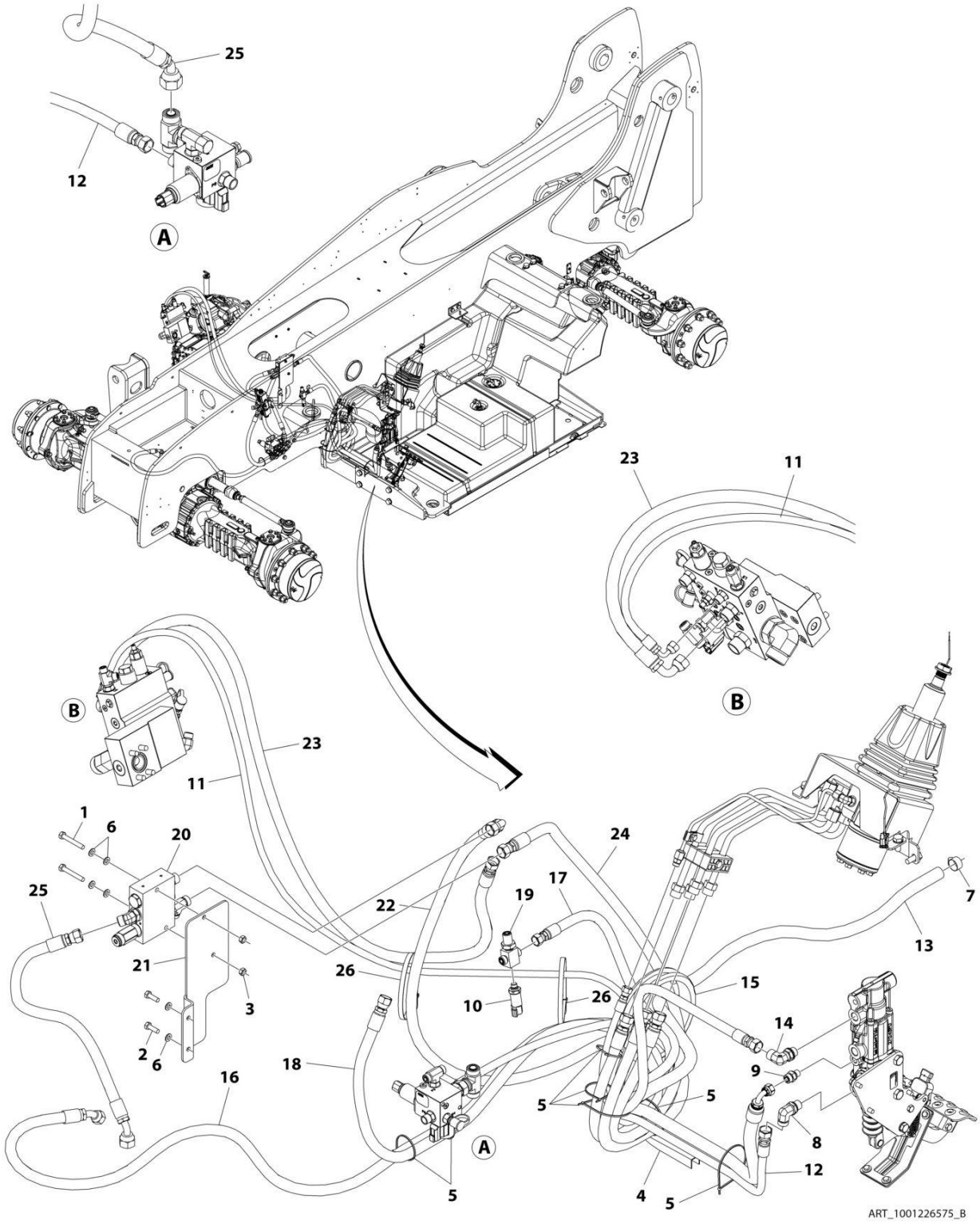


FIGURE 8-9. CAB HYDRAULICS INSTALLATION (EMERGENCY STEERING)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001226575	Ref	Cab Hydraulic Installation, Emergency Steering (Outriggers)	B
1	0700819	2	Bolt, M8X55	
2	0760812	2	Bolt, M8X25	
3	3290801	2	Nut, M8X1.25	
4	4060919	230 mm	Trim, Hose Protection	
5	4240099	AR	Tie, Wire	
6	4811900	6	Washer, M8	
7	8405006	1	Clamp, Gear	
8	8770120	1	Fitting, 90 ORFS	
9	80233218	1	Fitting, Straight ORFS	
10	1001147340	1	Sensor, Pressure Transducer	
11	1001253097	1	Hose	
12	1001253103	1	Hose	
13	1001161528	1	Hose	
14	1001168054	1	Fitting, 90 ORFS	
15	1001169830	1	Grommet	
16	1001175713	1	Hose	
17	1001203067	1	Hose	
18	1001204152	1	Hose	
19	1001205756	1	Adapter	
20	1001219191	1	Emergency Steering Manifold Installation (See Separate Breakdown in this Section)	
21	1001221520	1	Bracket, Emergency Steer Manifold	
22	1001221527	1	Hose	
23	1001253158	1	Hose	
24	1001221742	1	Hose	
25	1001253155	1	Hose	
26	1001158298	2	Strap, Tie	

FIGURE 8-10. COUNTERBALANCE VALVE INSTALLATION (LIFT - PGLS NO RIDE CONTROL)

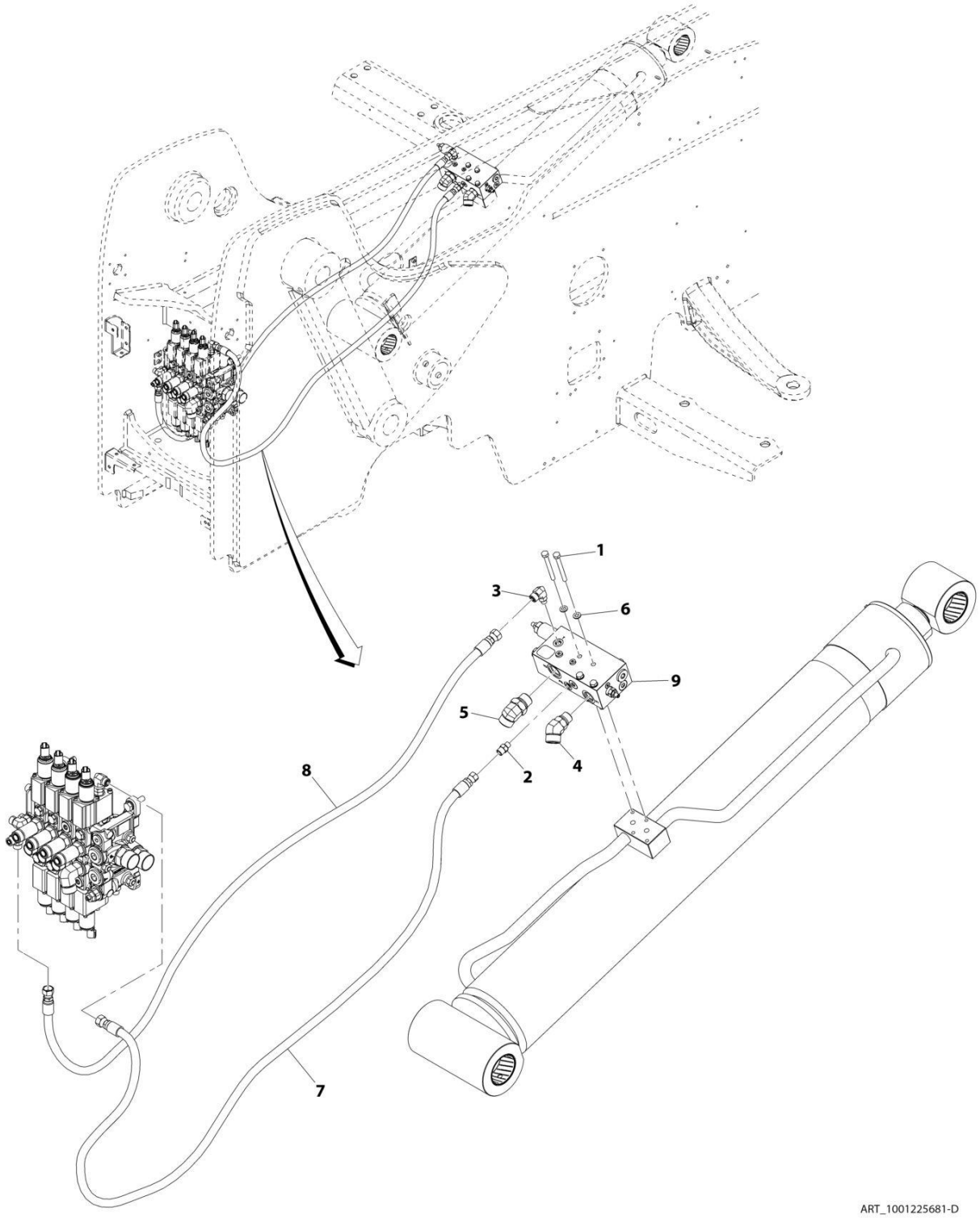


FIGURE 8-10. COUNTERBALANCE VALVE INSTALLATION (LIFT - PGLS NO RIDE CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225681	Ref	Counterbalance Valve Installation (Lift - PGLS No Ride Control)	D
1	0700823	4	Bolt, M8X75	
2	2110404	1	Fitting, Straight ORFS	
3	2130604	1	Fitting, 90 ORFS	
4	2151210	1	Fitting, 45 ORFS	
5	2151212	1	Fitting, 45 ORFS	
6	4811900	4	Washer, M8	
7	1001225462	1	Hose	
8	1001225464	1	Hose	
9	1001226035	1	Valve, Counterbalance (Note: Sold as Complete Assembly Only)	
9A	70028453	2	O-Ring (Between Valve & Cylinder) (Not Shown)	

FIGURE 8-11. COUNTERBALANCE VALVE HYDRAULIC LINES (LIFT - RIDE CONTROL)

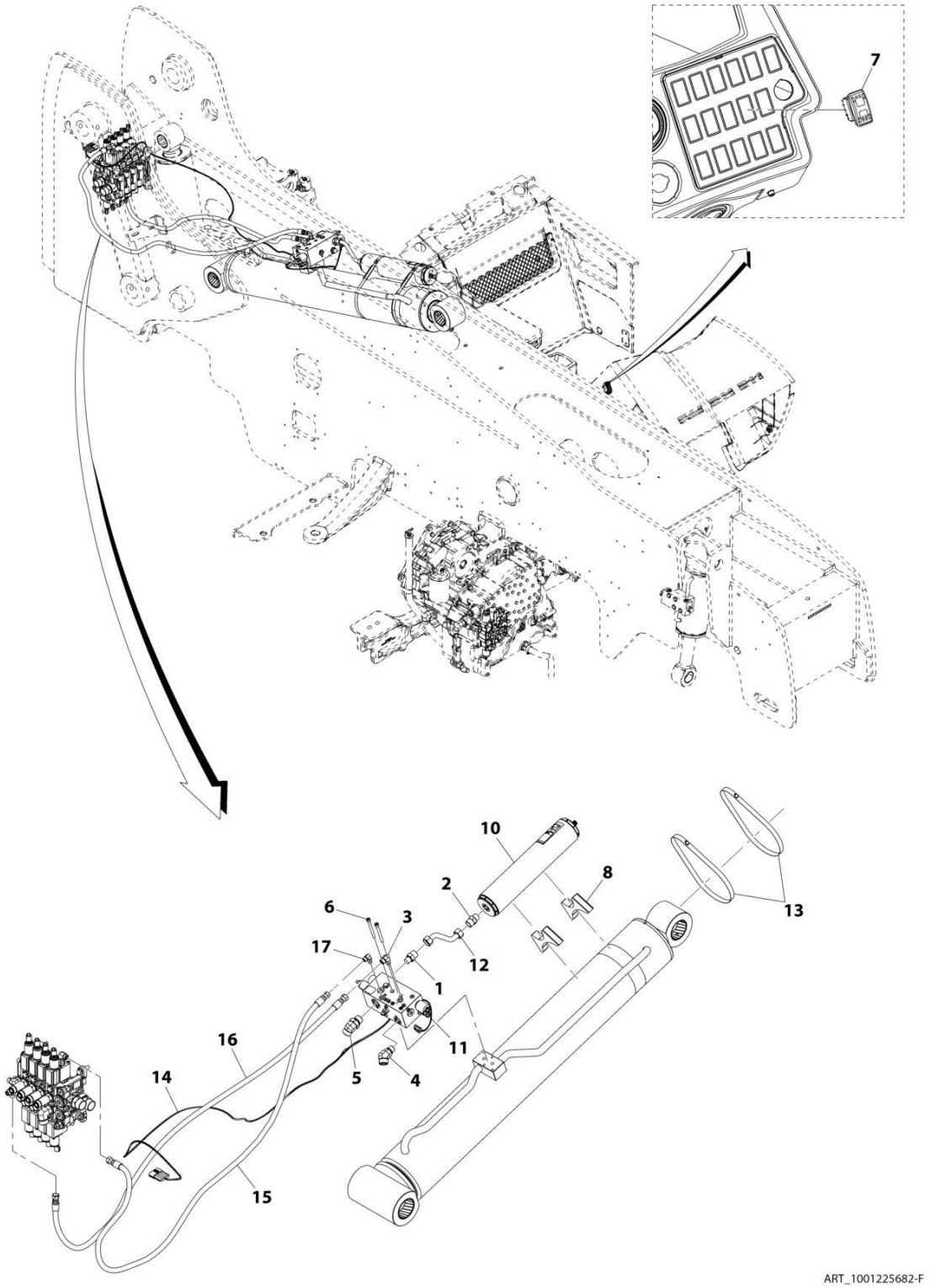
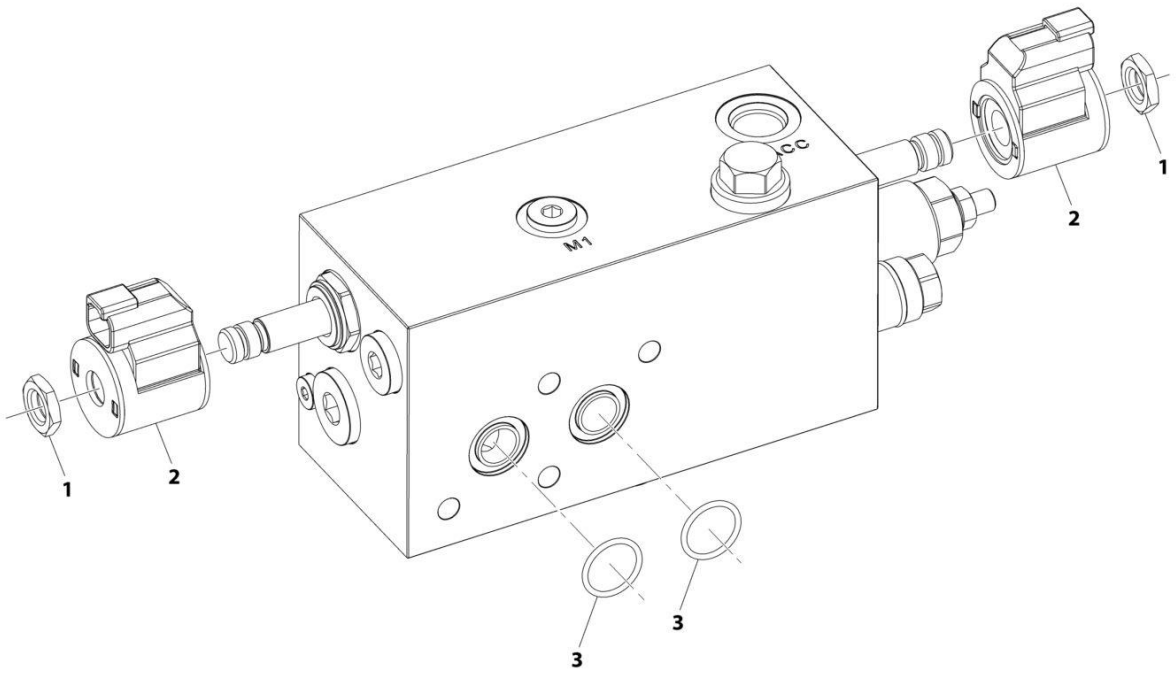


FIGURE 8-11. COUNTERBALANCE VALVE HYDRAULIC LINES (LIFT - RIDE CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225682	Ref	Counterbalance Valve Installation (Lift - Ride Control)	F
1	2111008	1	Fitting, Straight ORFS	
2	2111010	1	Fitting, Straight ORFS	
3	2130604	1	Fitting, 90 ORFS	
4	2151210	1	Fitting, 45 ORFS	
5	2151212	1	Fitting, 45 ORFS	
6	4031921	4	Bolt, M8X85	
7	1001159745	1	Switch, Boom Ride	
8	1001175741	2	Bumper, Cylinder Saddle	
10	1001192435	1	Cylinder, Piston	
11	1001227056	1	Line, Counterbalance Valve (Lift - Ride Control) (See Separate Breakdown in this Section)	
12	1001227137	1	Pipe, Ride Control	
13	1001095396	2	Clamp	
14	1001175677	1	Installation, Ride Control CB Valve Harness (Lift) (See Separate Breakdown in Electrical Section)	
15	1001225462	1	Hose	
16	1001225464	1	Hose	
17	2130404	1	Fitting, 90 ORFS	

FIGURE 8-12. COUNTERBALANCE VALVE HYDRAULIC LINES (LIFT - RIDE CONTROL)

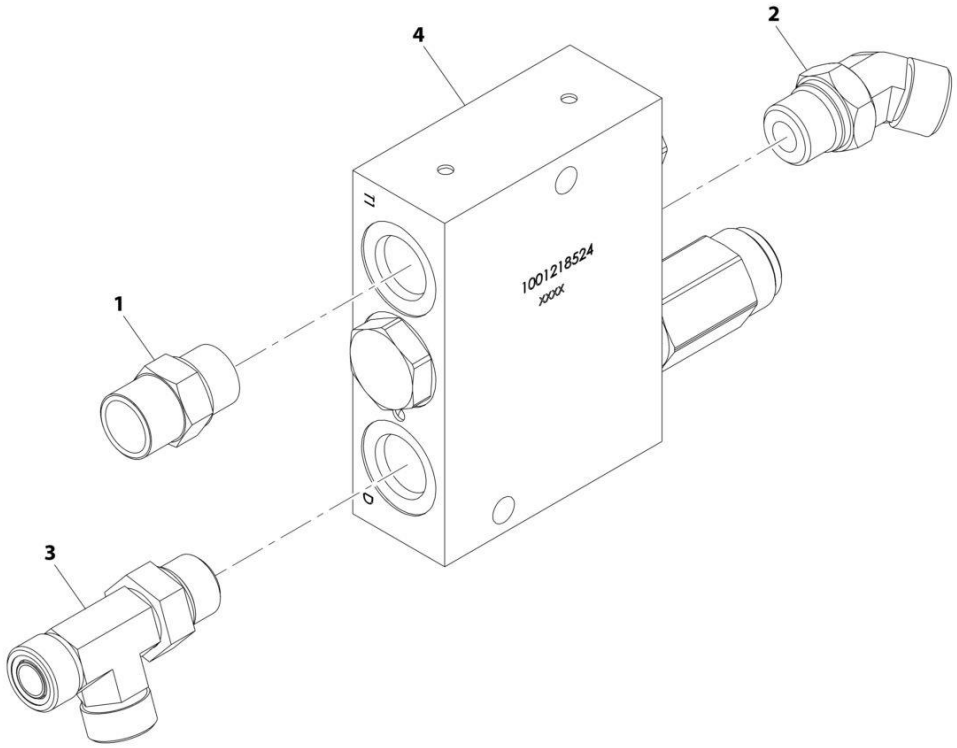


ART_1001227056-D

FIGURE 8-12. COUNTERBALANCE VALVE HYDRAULIC LINES (LIFT - RIDE CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227056	Ref	Counterbalance Valve Hydraulic Lines (Lift - Ride Control)	D
1	7022390	2	Nut	
2	70028281	2	Coil	
3	70028453	2	O-Ring	

FIGURE 8-13. EMERGENCY STEERING MANIFOLD & FITTINGS ASSEMBLY

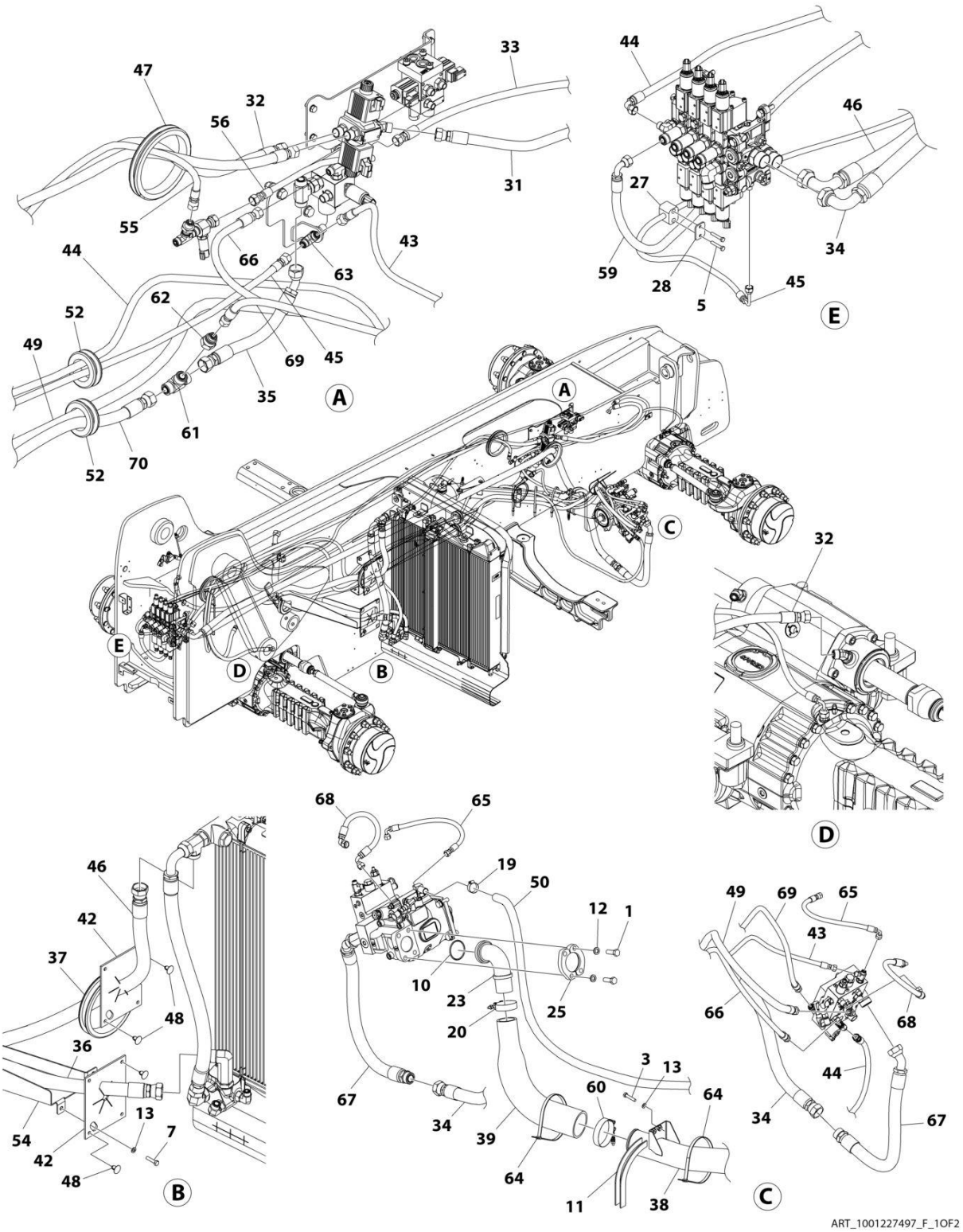


ART_1001219191-A

FIGURE 8-13. EMERGENCY STEERING MANIFOLD & FITTINGS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219191	Ref	Emergency Steering Manifold	A
1	2110808	1	Fitting, Straight ORFS	
2	2150808	1	Fitting, 45 ORFS	
3	2170308	1	Fitting, Tee ORFS	
4	1001218524	1	Manifold	

FIGURE 8-14. FRAME HYDRAULICS INSTALLATION



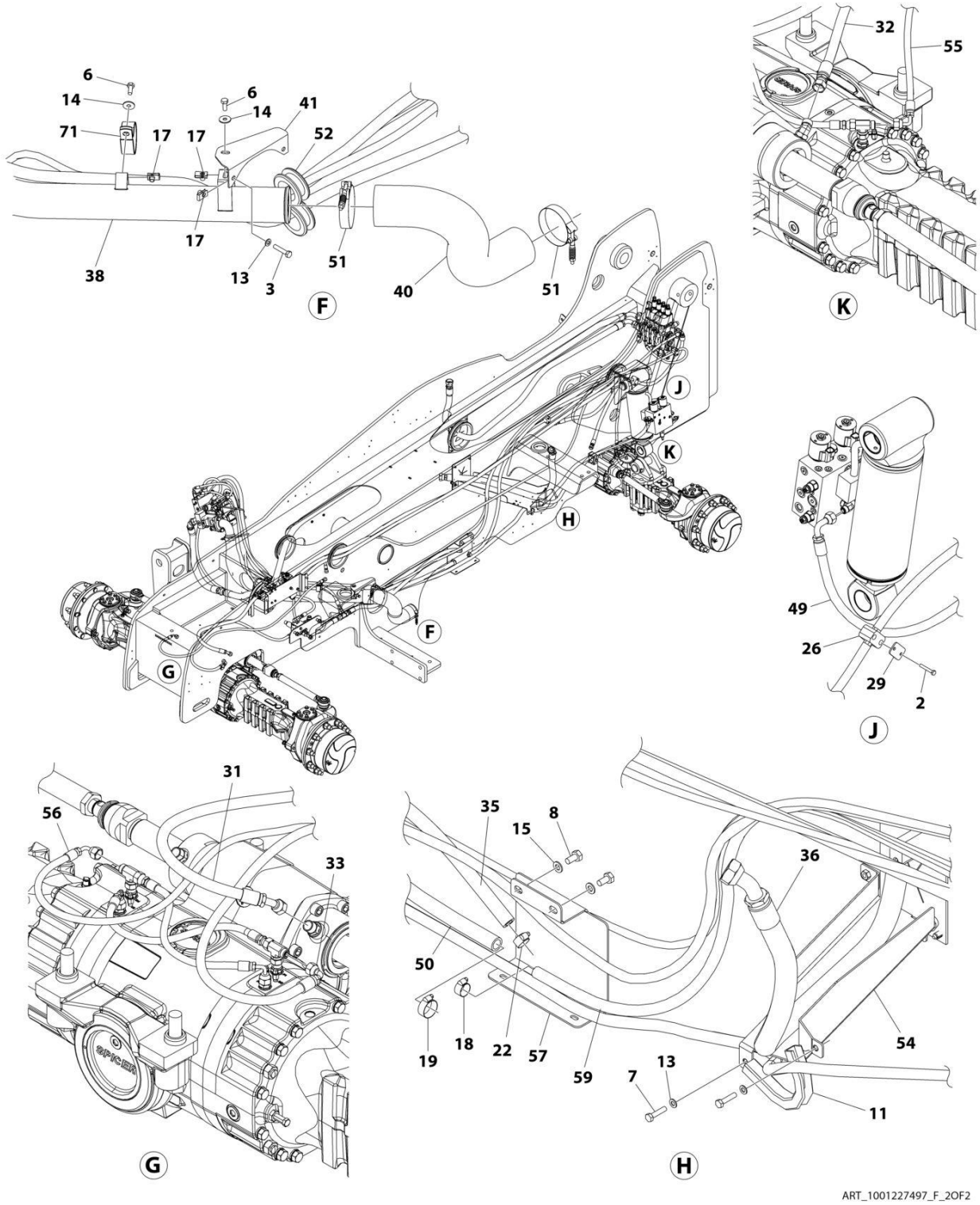

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ART_1001227497_F_2OF2

FIGURE 8-14. FRAME HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227497	Ref	Hydraulic Lines Installation	F
1	0641812	4	Bolt 1/2 x 1	
2	0700616	2	Bolt M6 x 40	
3	0700816	4	Bolt M8 x 40	
5	0760615	4	Bolt M6 x 35	
6	0760810	2	Bolt M8 x 20	
7	0760815	4	Bolt M8 x 35	
8	0761010	2	Bolt M10 x 20	
10	3790228	1	O-Ring	
11	4060919	467 mm	Trim	
12	4761800	4	Washer 1/2	
13	4811900	8	Washer M8	
14	4811902	2	Washer M8	
15	4812000	2	Washer M10	
17	8310686	4	Nut, Retainer M8 x 12-1/2	
18	8405006	1	Clamp, Gear	
19	8405007	2	Clamp, Hose	
20	8405209	1	Clamp, T-Bolt	
22	8410009	1	Clamp, Gear	
23	8424233	1	Elbow, 90	
25	8546407	2	Flange, Half	
26	8750029	1	Clamp, Hose	
27	8750030	2	Clamp, Hose	
28	8769146	2	Plate, Cover	
29	8769153	1	Plate, Cover	
31	1001161340	1	Hose	
32	1001161343	2	Hose	
33	1001253102	1	Hose	
34	1001253079	1	Hose	
35	1001253078	1	Hose	
36	1001161978	1	Hose	
37	1001169830	1	Grommet	
38	1001173446	1	Pipe	
39	1001173450	1	Hose	
40	1001173451	1	Hose	
41	1001174338	1	Bracket	
42	1001175347	2	Grommet	
43	1001253089	1	Hose	
44	1001253112	1	Hose	
45	1001253099	1	Hose	
46	1001175699	1	Hose	
47	1001177704	2	Grommet	
48	1001180306	8	Screw	
49	1001253160	1	Hose	
50	1001186418	1	Hose	
51	1001186843	2	Clamp, T-Bolt	
52	1001188971	2	Grommet	
54	1001257763	1	Channel	
55	1001202847	1	Hose	
56	1001203502	1	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
57	1001208881	1	Bracket	
59	1001225467	1	Hose	
60	1001232377	1	Clamp	
61	2170510	1	Fitting, Tee ORFS/ORFS/ORFS	
62	2221244	1	Fitting, Straight ORFS/FSORFS	
63	88662434	1	Fitting, Tee ORFS/ORFS/ORFS	
64	1001158298	4	Strap, Tie	
65	1001253086	1	Hose	
66	1001253107	1	Hose	
67	1001259141	1	Hose	
68	1001260572	1	Hose	
69	1001260573	1	Hose	
70	1001260599	1	Hose	
71	1320219	1	Clamp	
72	4060807	1	FLEX TRIM (Not Shown)	

FIGURE 8-15. FRAME LEVEL INSTALLATION

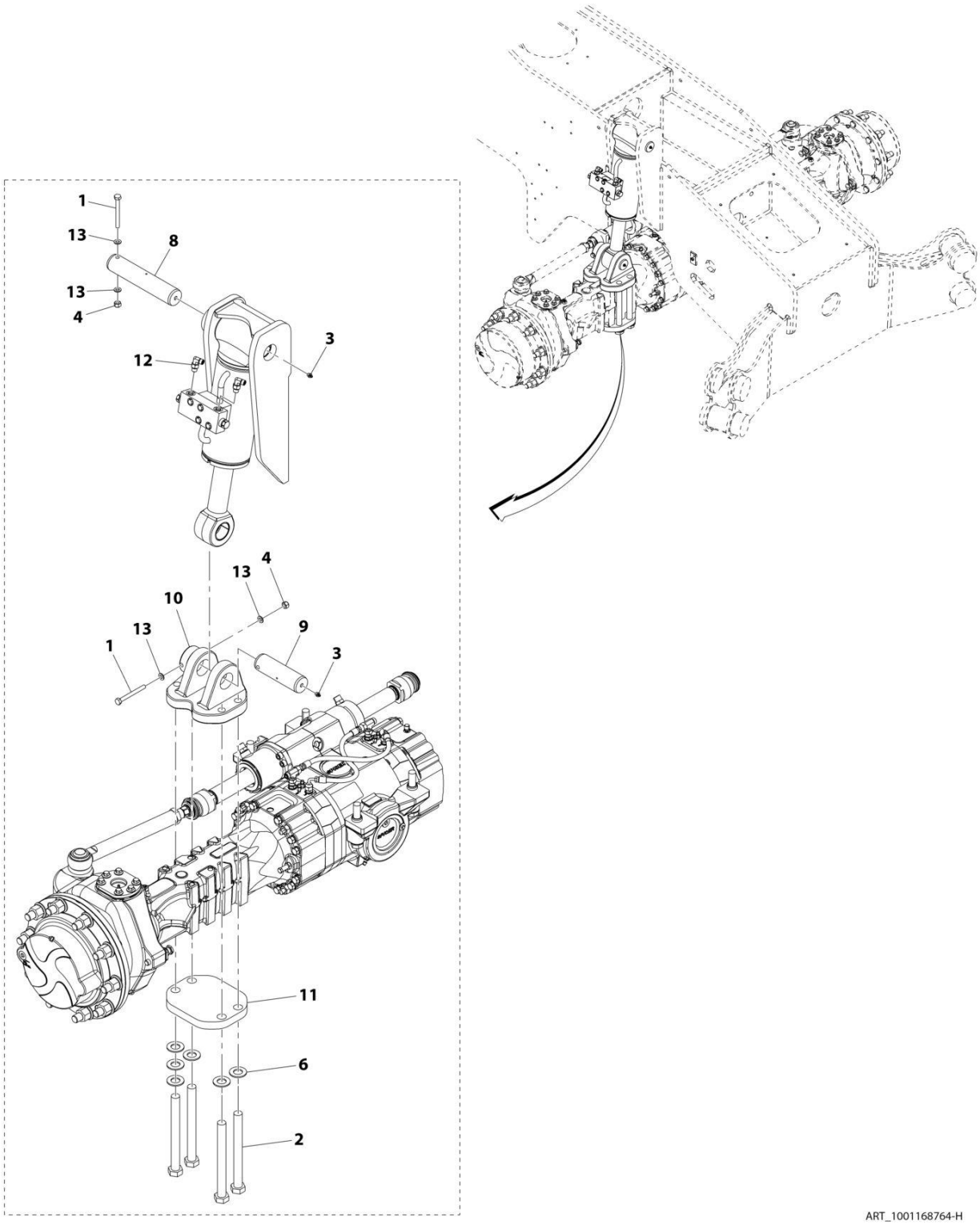


FIGURE 8-15. FRAME LEVEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168764	Ref	Frame Level Installation	H
1	0711027	2	Bolt, M10X100	
2	0712442	4	Bolt, M24X250	
3	2160016	2	Fitting, Grease	
4	3291005	2	Nut, Lock M10X1.5	
6	5242400	6	Washer, M24	
8	1001164971	1	Pin	
9	1001164972	1	Pin	
10	1001250331	1	Bracket	
11	1001168629	1	Plate	
12	2130406	2	Fitting, 90 ORFS	
13	4812000	4	Washer, M10	

FIGURE 8-16. FRAME LEVEL HYDRAULICS INSTALLATION (NO OUTRIGGERS)

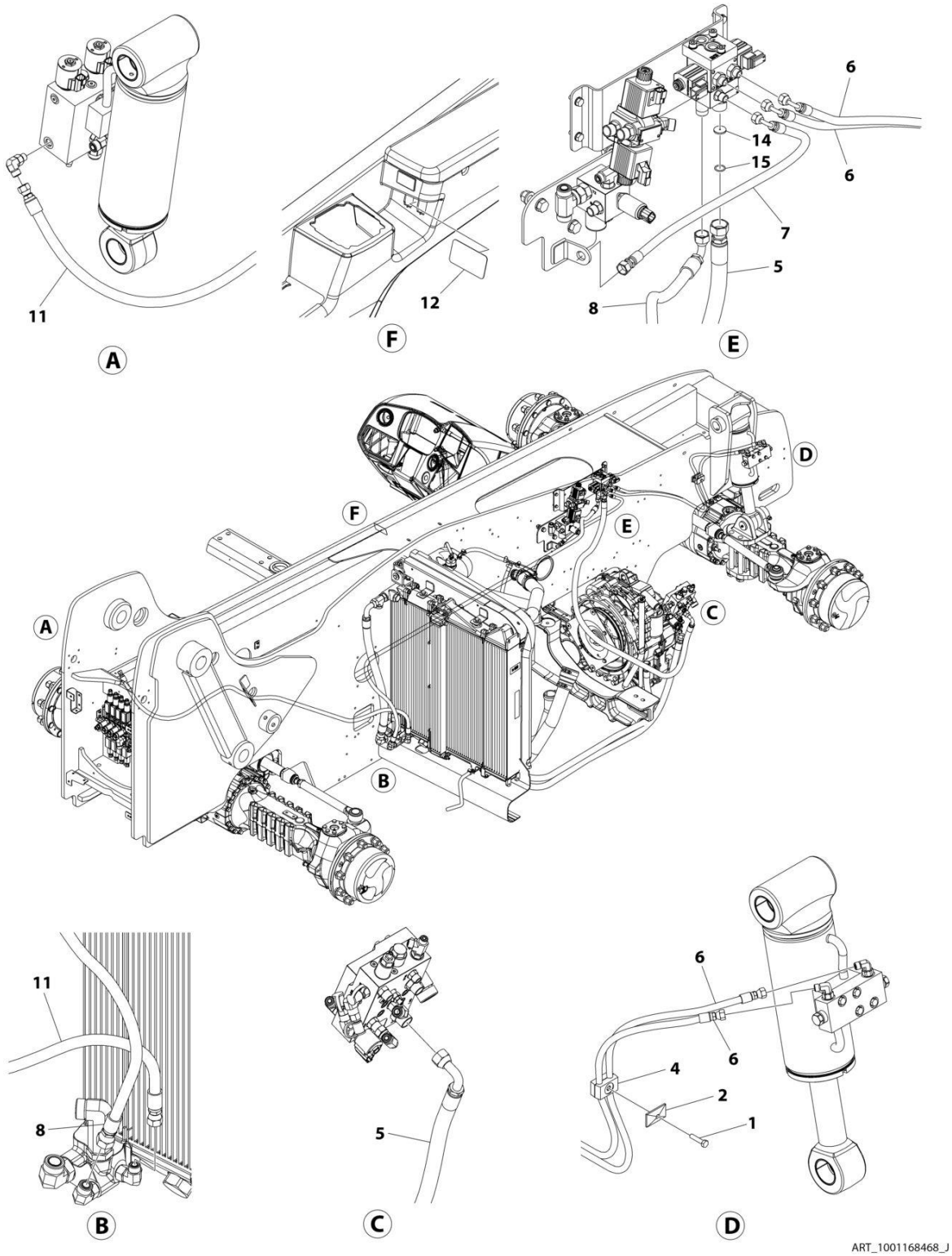
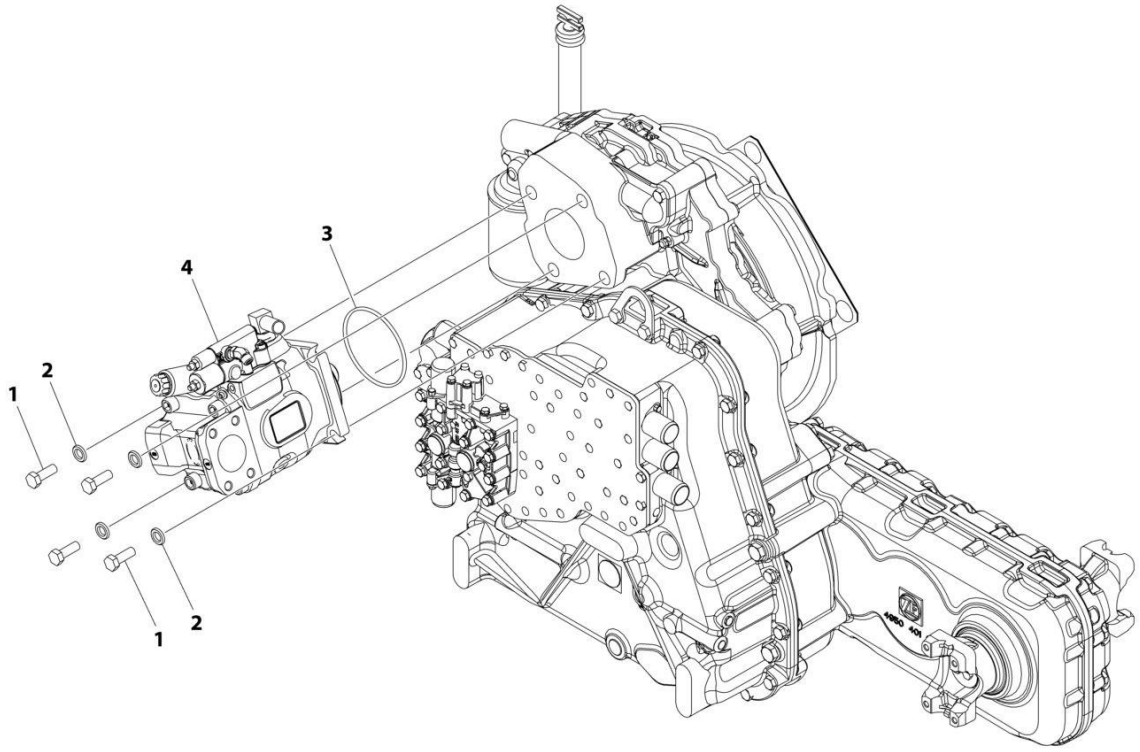


FIGURE 8-16. FRAME LEVEL HYDRAULICS INSTALLATION (NO OUTRIGGERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168468	Ref	Frame Level Hydraulics Installation (No Outriggers)	J
1	0760815	1	Bolt, M8X35	
2	1321752	1	Clamp	
4	77133168	1	Clamp	
5	1001253085	1	Hose	
6	1001162069	2	Hose	
7	1001253157	1	Hose	
8	1001175704	1	Hose	
11	1001192042	1	Hose	
12	1670836	1	Cover, Boom	
13	1001097810	AR	Hose	
14	1001207296	1	Disc, Orifice	
15	8630005	1	O-Ring	

FIGURE 8-17. PISTON PUMP INSTALLATION



ART_1001162670_D

FIGURE 8-17. PISTON PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162670	Ref	Piston Pump Installation	D
1	0761215	4	Bolt, M12X35	
2	4740532	4	Washer	
3	80933113	1	O-Ring	
4	1001162674	1	Assembly, Piston Pump (See Separate Breakdown in this Section)	

FIGURE 8-18. PISTON PUMP ASSEMBLY

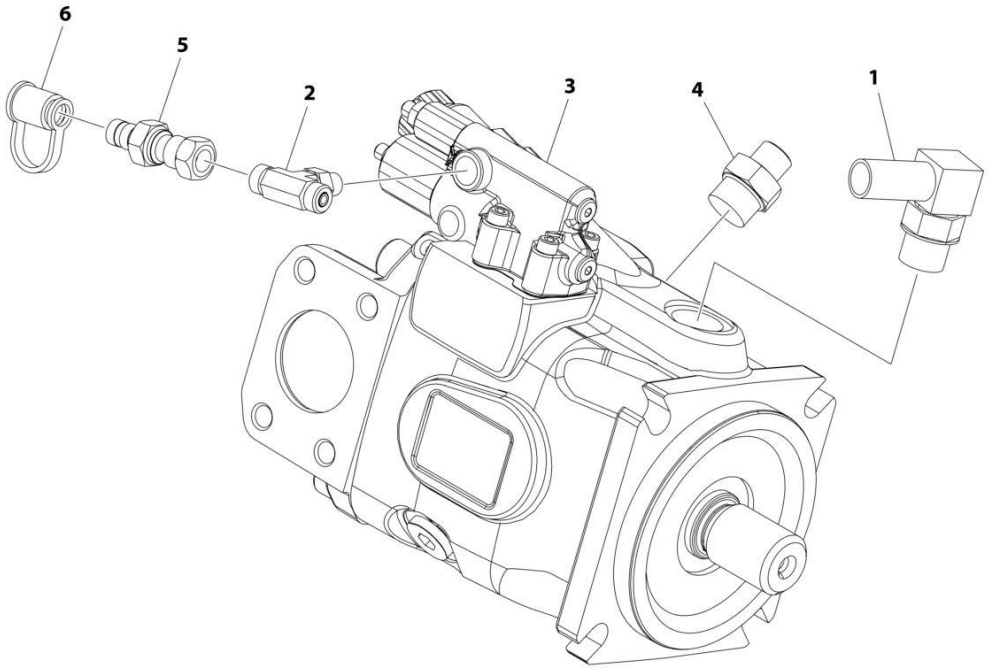


FIGURE 8-18. PISTON PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162674	Ref	PISTON PUMP ASSEMBLY	E
1	8424217	1	Fitting, 90	
2	2170404	1	Fitting, Tee ORFS/ORB/ORFS	
3	1001182279	1	Piston Pump (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
4	2110610	1	Fitting, Straight ORFS/ORB	
5	2221229	1	Fitting, Straight ORFS	
6	8430032	1	Plug	

FIGURE 8-19. REAR AXLE STABILIZER INSTALLATION

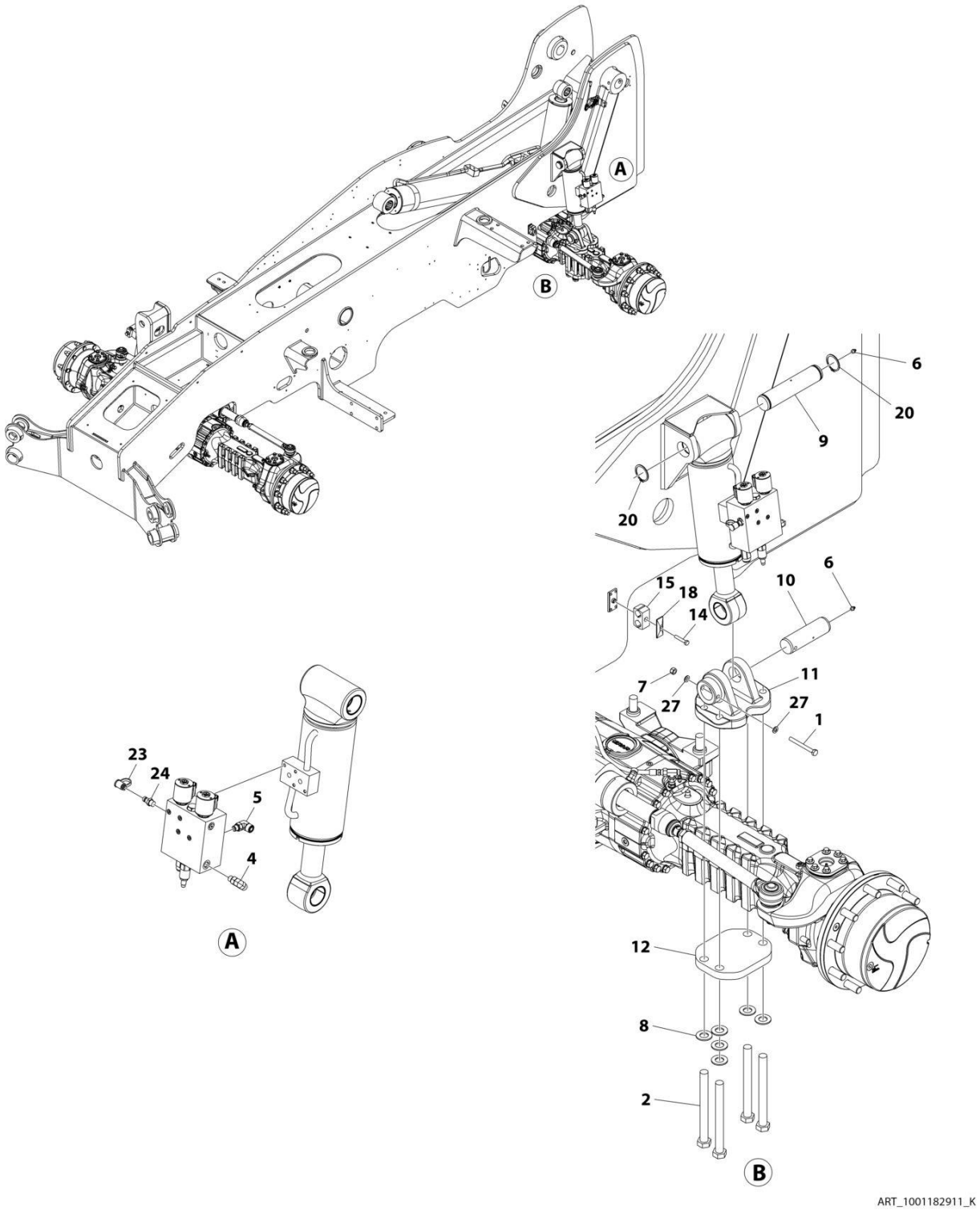


FIGURE 8-19. REAR AXLE STABILIZER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182911	Ref	Rear Axle Stabilizer Installation	K
1	0711027	1	Bolt, M10X100	
2	0712442	4	Bolt, M24X250	
4	2130606	1	Fitting, 90 ORFS	
5	2130806	1	Fitting, 90 ORFS	
6	2160016	2	Fitting, Grease	
7	3291005	1	Nut, Lock M10X1.5	
8	5242400	6	Washer, M24	
9	1001192341	1	Pin	
10	1001164972	1	Pin	
11	1001250331	1	Bracket	
12	1001168629	1	Plate	
14	0760817	1	Bolt, M8X45	
15	8750016	1	Clamp	
18	77133137	1	Plate	
20	3760493	2	Ring, Retaining	
23	8430032	1	Plug	
24	1001003590	1	Fitting, Straight	
25	2220885	AR	Plug	
26	2170306	AR	Fitting, Tee ORFS	
27	4812000	2	Washer, M10	

FIGURE 8-20. VALVE INSTALLATION

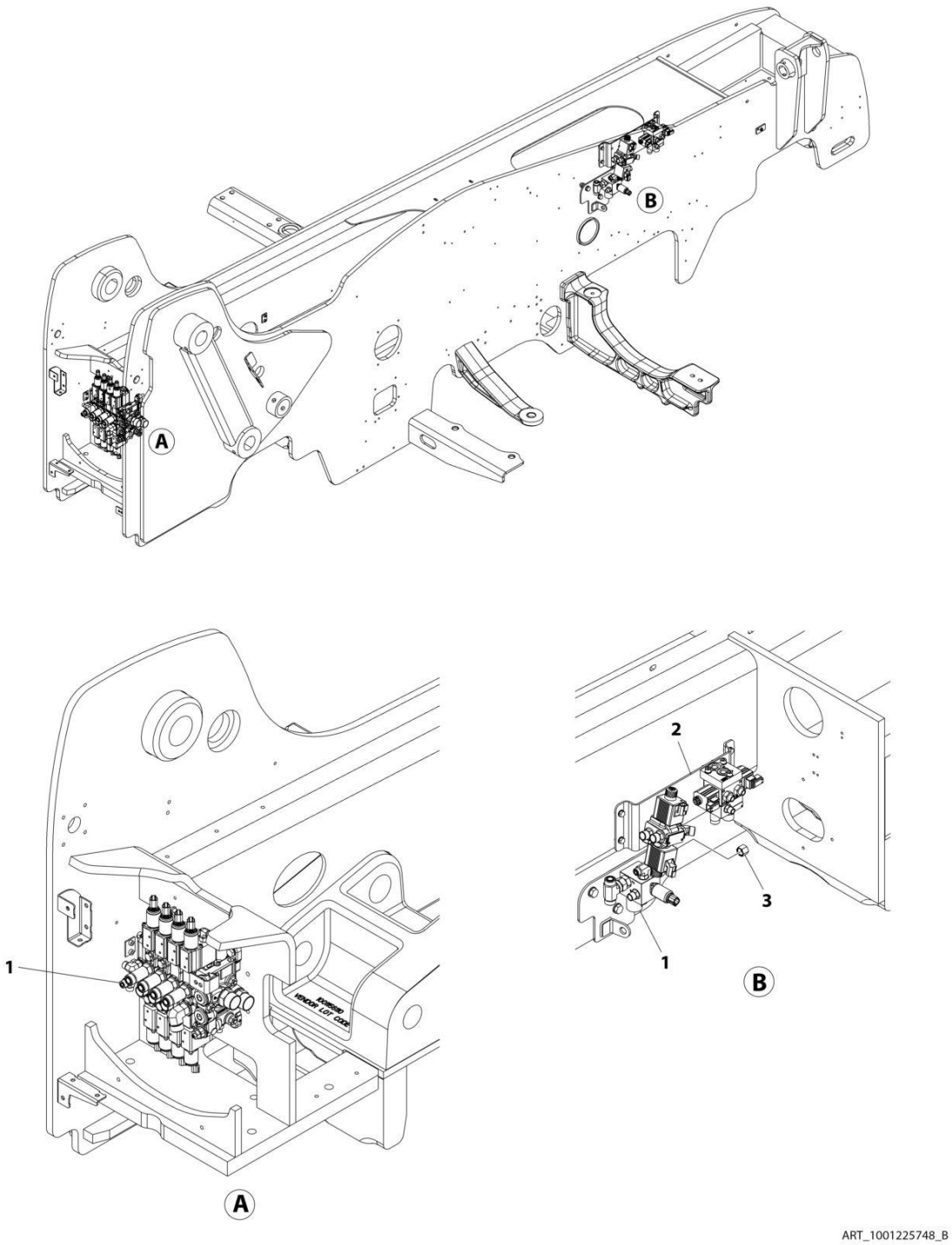


FIGURE 8-20. VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225748	Ref	Valve Installation	B
1	1001225750	Ref	Installation, Main Control Valve (See Separate Breakdown in this Section)	
2	1001168465	Ref	Installation, Steering Select and Frame Level Valve (See Separate Breakdown in this Section)	
3	2170906	1	Fitting, ORFS	

FIGURE 8-21. VALVE INSTALLATION - FRAME LEVEL AND STEERING SELECT

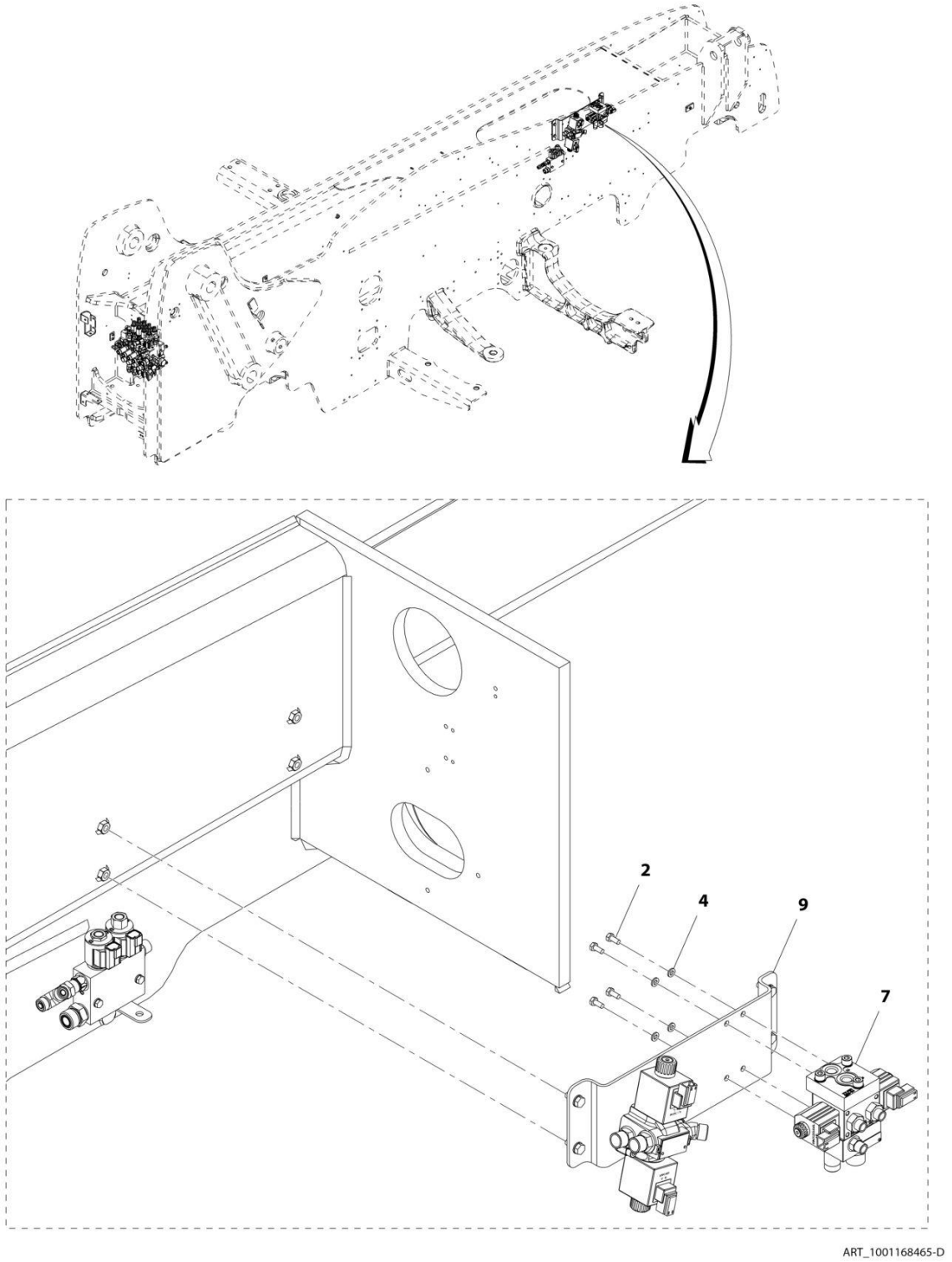


FIGURE 8-21. VALVE INSTALLATION - FRAME LEVEL AND STEERING SELECT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168465	Ref	Steering Select and Frame Level Valve Installation	D
2	0760607	4	Bolt, M6X14	
4	4811700	4	Washer, M6	
7	1001169087	1	Assembly, Frame Level Valve (See Separate Breakdown in this Section)	
9	1001168464	Ref	Installation, Steering Select Valve Mounting (See Separate Breakdown in this Section)	

FIGURE 8-22. VALVE & FITTINGS ASSEMBLY- FRAME LEVEL

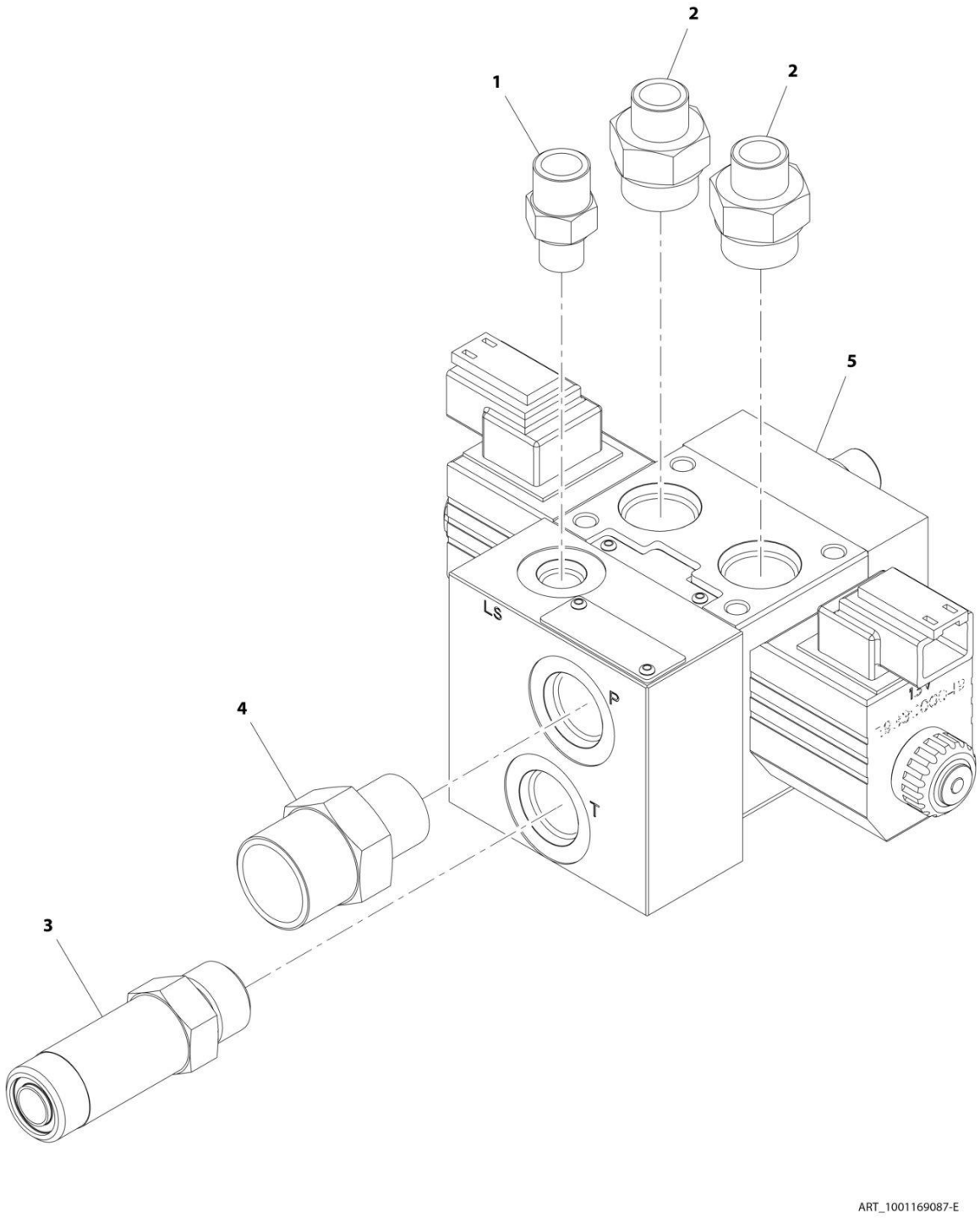


FIGURE 8-22. VALVE & FITTINGS ASSEMBLY- FRAME LEVEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169087	1	Frame Level Valve Assembly	E
1	2110404	1	Fitting, Straight ORFS	
2	2110408	2	Fitting, Straight ORFS	
3	2170108	1	Fitting, Straight ORFS	
4	2111008	1	Fitting, Straight ORFS	
5	1001162959	1	Valve, Frame Level (See Separate Breakdown in Hydraulic Components Section)	

FIGURE 8-23. VALVES INSTALLATION - MAIN & PRIORITY

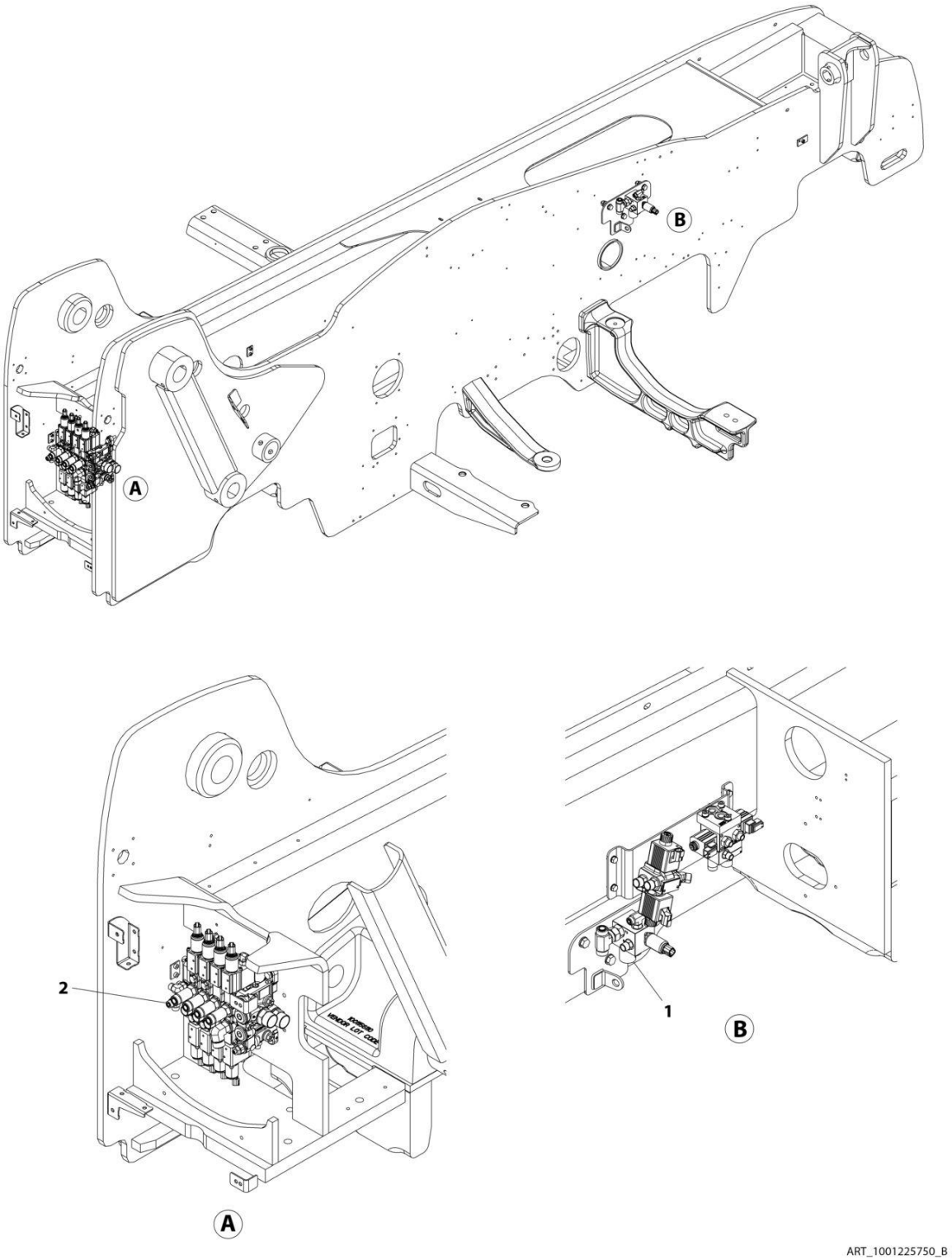


FIGURE 8-23. VALVES INSTALLATION - MAIN & PRIORITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225750	Ref	Main Hydraulic Valves Installation	B
1	1001253371	Ref	Installation, Sahr Brake Valve (See Separate Breakdown in this Section)	
2	1001225751	Ref	Installation, Main Control Valve (See Separate Breakdown in this Section)	

FIGURE 8-24. VALVE INSTALLATION - MAIN

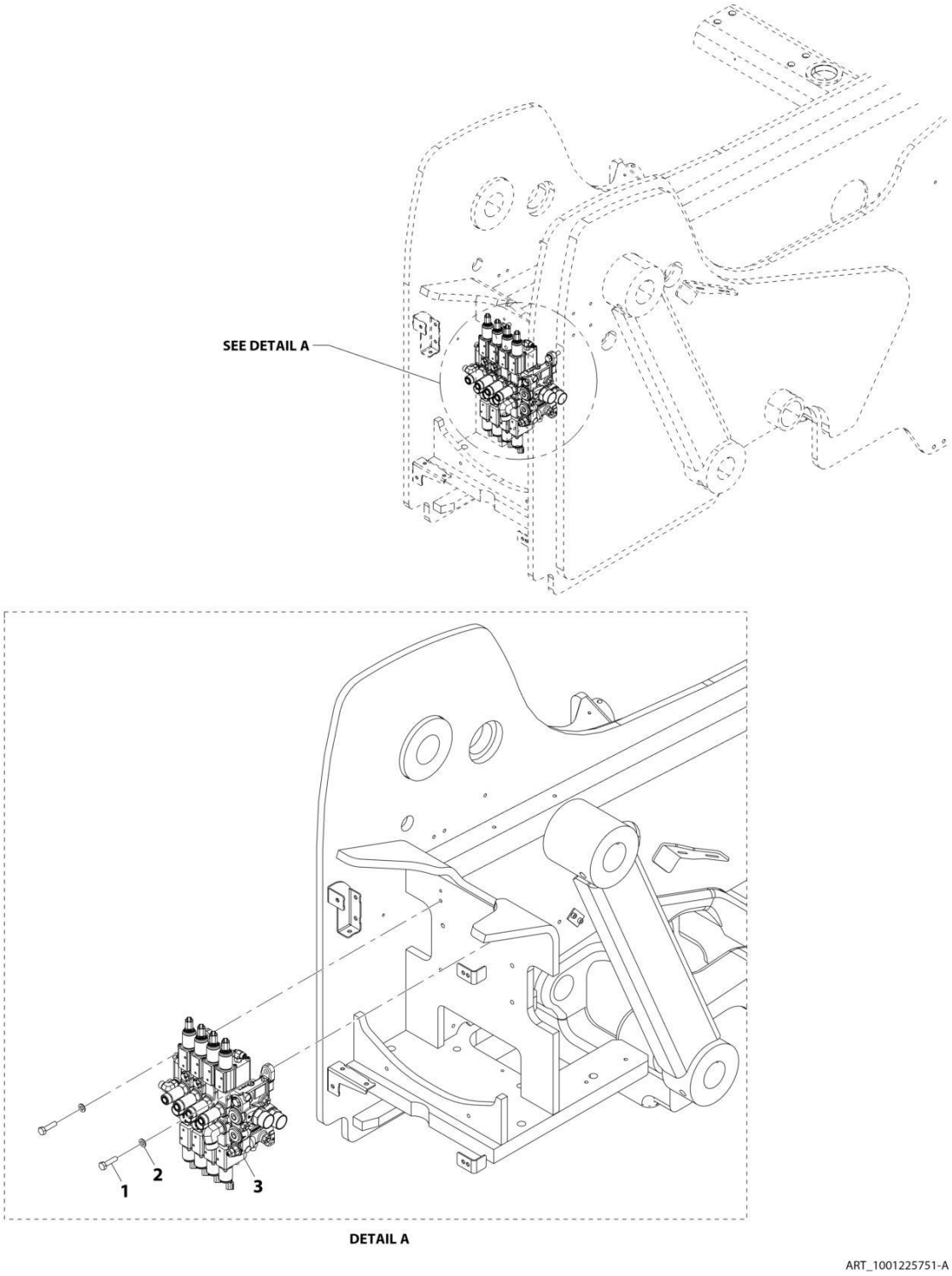


FIGURE 8-24. VALVE INSTALLATION - MAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225751	Ref	Main Control Valve Installation	A
1	0701016	3	Bolt, M10X40	
2	4812000	3	Washer, M10	
3	1001225752	1	Assembly, Main Control Valve Assembly (See Separate Breakdown in this Section)	

FIGURE 8-25. VALVE & FITTINGS ASSEMBLY- MAIN

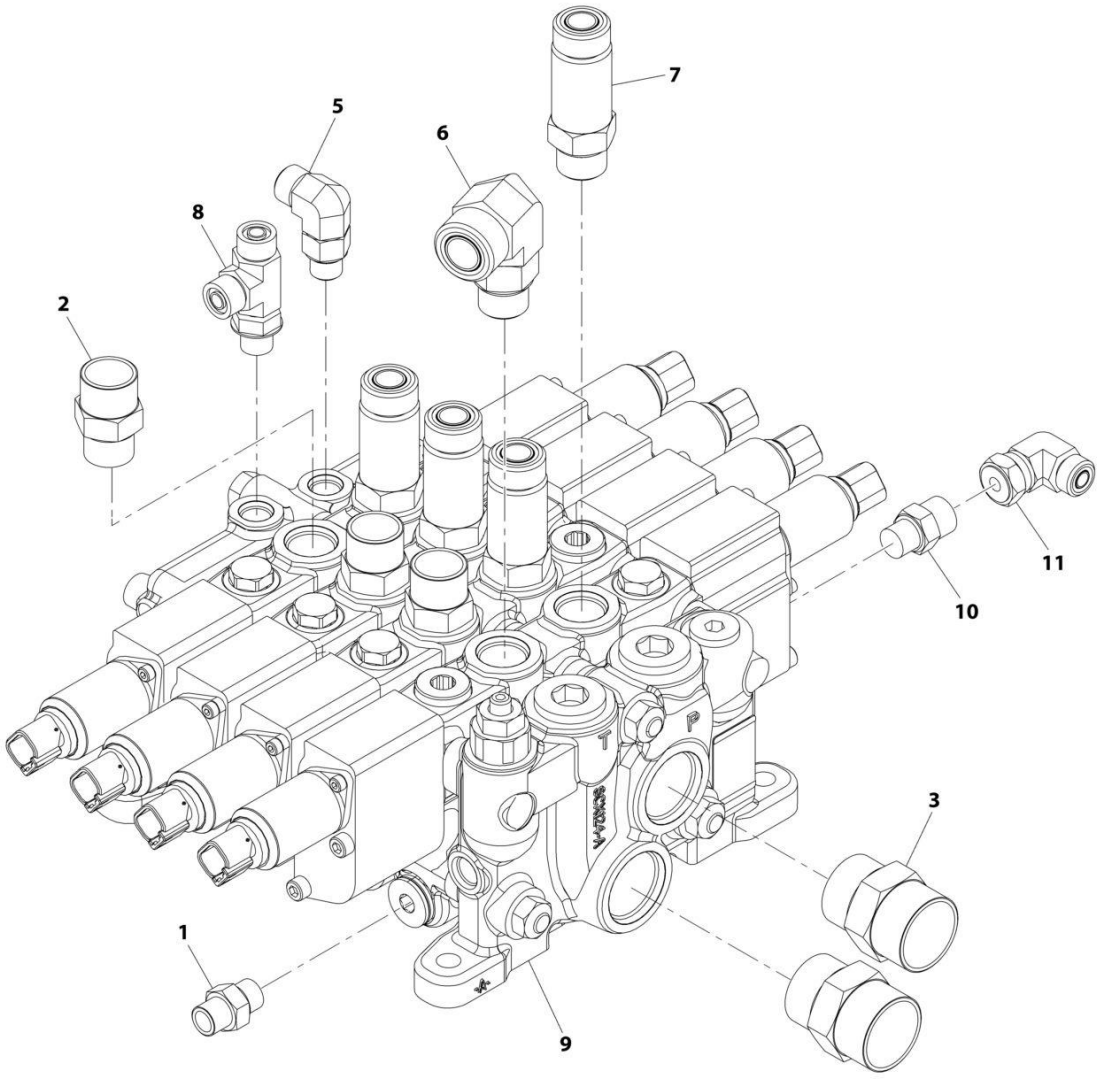


FIGURE 8-25. VALVE & FITTINGS ASSEMBLY- MAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225752	Ref	Main Control Valve Assembly	D
1	2110406	1	Fitting, Straight ORFS	
2	2111010	3	Fitting, Straight ORFS	
3	2111616	2	Fitting, Straight ORFS	
5	2130606	1	Fitting, 90 ORFS	
6	2131210	1	Fitting, 90 ORFS	
7	2170110	4	Fitting, Straight ORFS	
8	2170306	1	Fitting, Tee ORFS	
9	1001241879	Ref	Valve, Main Control (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
10	2110606	1	Fitting, Straight ORFS	
11	2172106	1	Adapter, 90	

FIGURE 8-26. VALVE INSTALLATION - PRIORITY

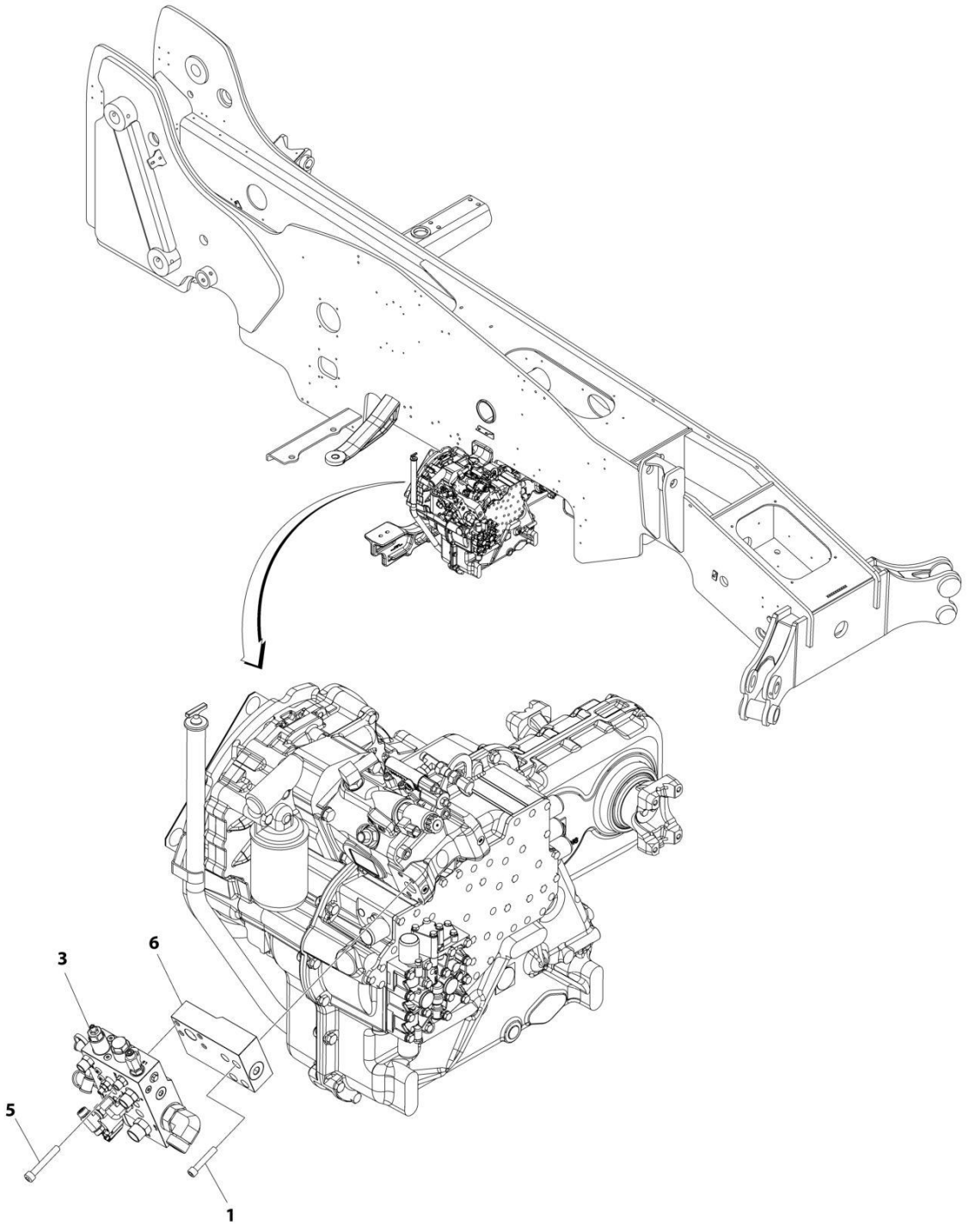


FIGURE 8-26. VALVE INSTALLATION - PRIORITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161308	Ref	Priority Function Manifold Installation	D
1	3931632	4	Bolt 3/8X2	
3	1001253252	1	Assembly, Priority Manifold Valve (See Separate Breakdown in this Section)	
5	4032017	4	Bolt M10X65	
6	1001252571	1	Valve, Spacer	

FIGURE 8-27. VALVE ASSEMBLY - PRIORITY FUNCTION MANIFOLD

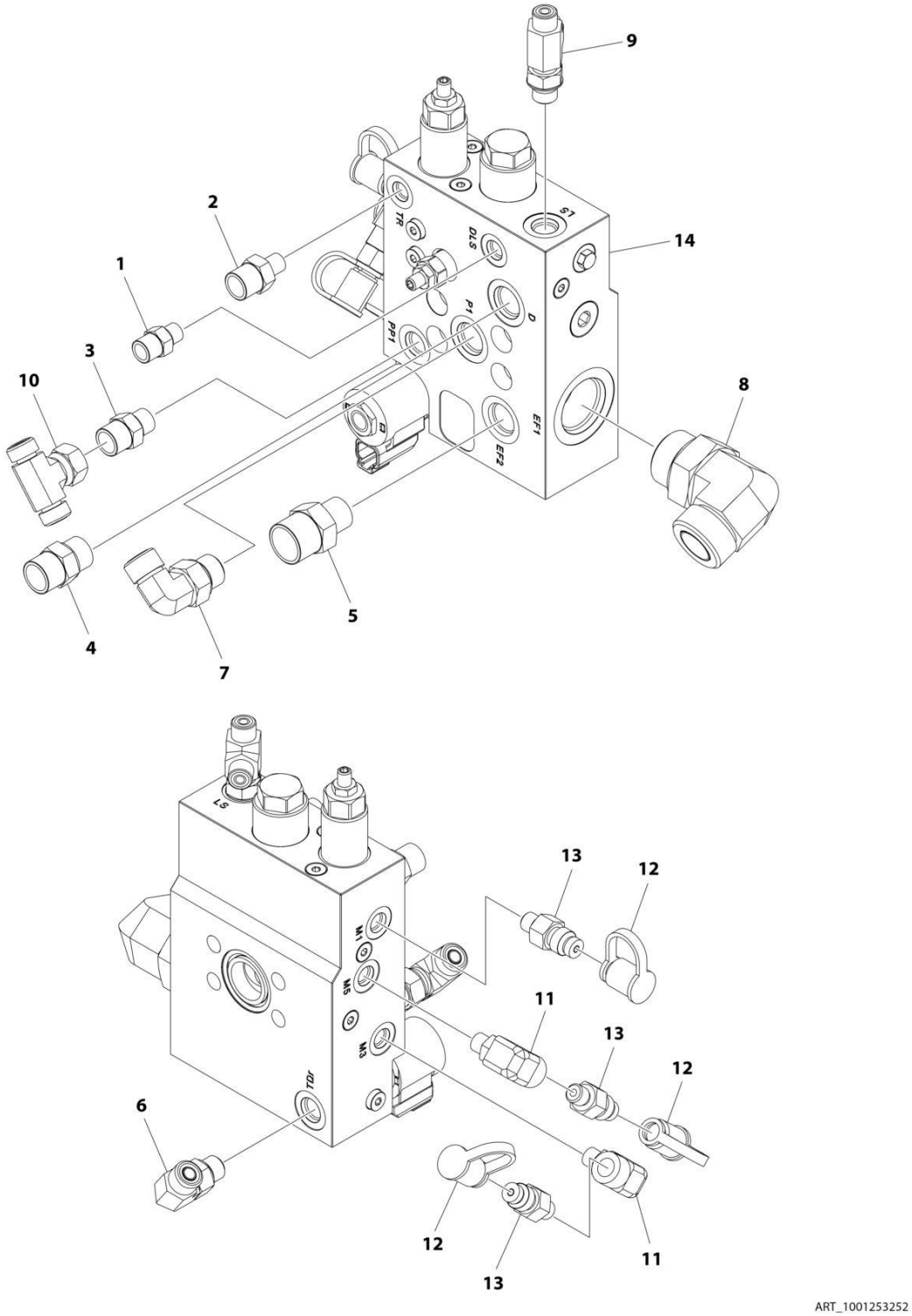


FIGURE 8-27. VALVE ASSEMBLY - PRIORITY FUNCTION MANIFOLD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253252	Ref	Priority Function Manifold Valve Assembly	B
1	2110406	1	Fitting, Straight ORFS	
2	2110604	1	Fitting, Straight ORFS	
3	2110606	1	Fitting, Straight ORFS	
4	2110808	1	Fitting, Straight ORFS	
5	2111008	1	Fitting, Straight ORFS	
6	2130606	1	Fitting, 90 ORFS	
7	2130808	1	Fitting, 90 ORFS	
8	2131616	1	Fitting, 90 ORFS	
9	2170350	1	Fitting, Tee ORFS/ORB/ORFS	
10	2170806	1	Fitting, Tee ORFS	
11	2221116	2	Fitting, 90 ORB	
12	8430032	3	Plug	
13	8430033	3	Fitting, Straight	
14	1001252567	1	Valve, Priority Manifold (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

FIGURE 8-28. VALVE INSTALLATION - SAHR BRAKE

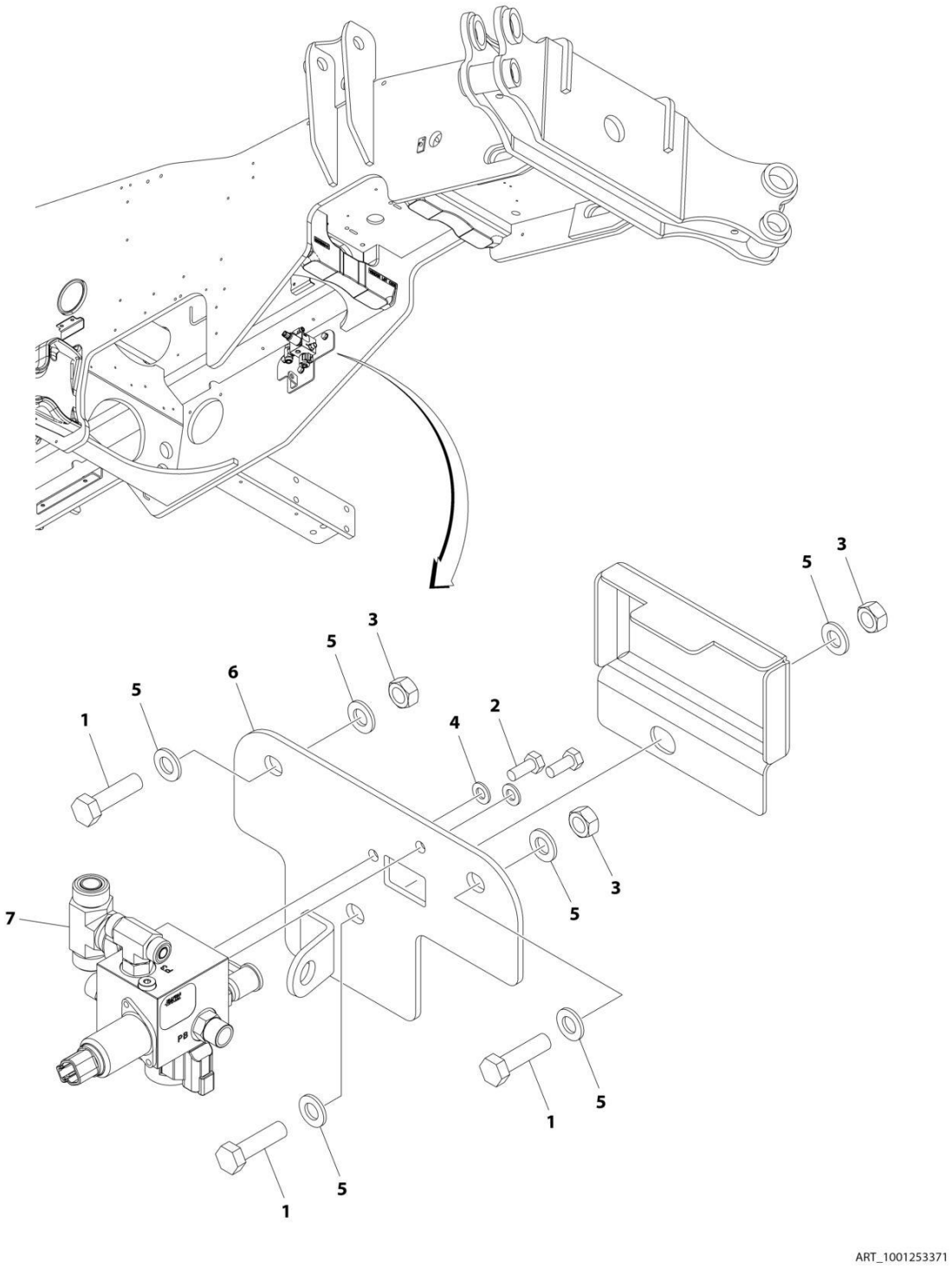
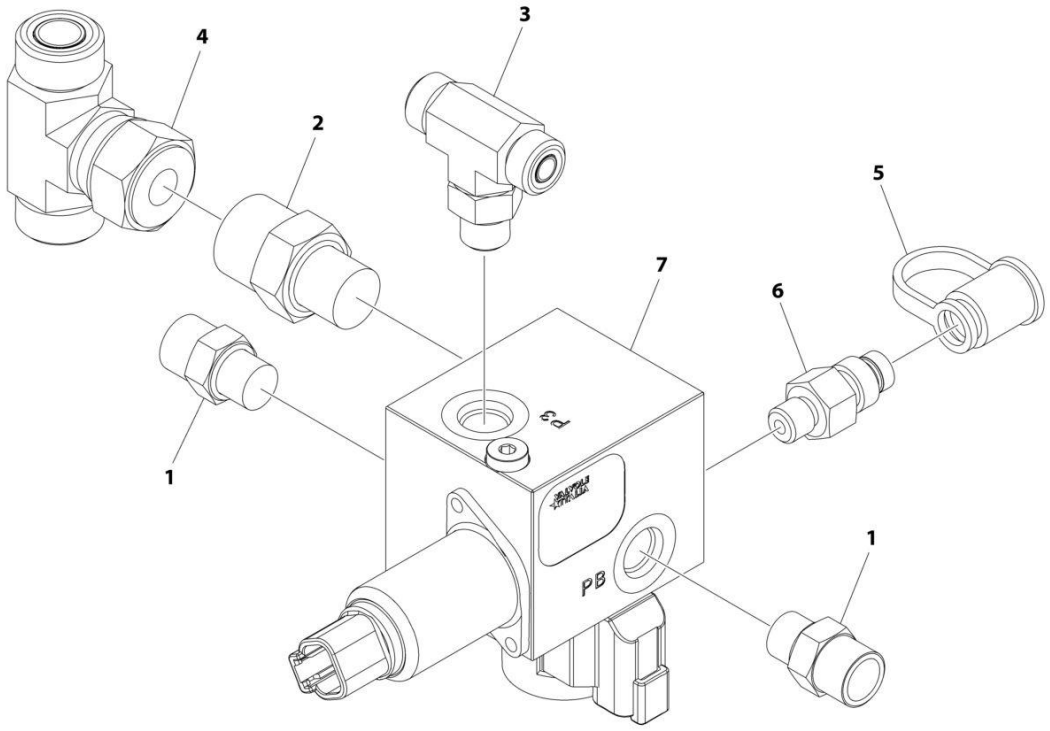


FIGURE 8-28. VALVE INSTALLATION - SAHR BRAKE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253371	Ref	Valve Installation - Sahr Brake	A
1	0701217	3	Bolt, M12X45	
2	0760810	2	Bolt M8X20	
3	3291201	3	Nut M12	
4	4811900	2	Washer M8	
5	4812100	6	Washer M12	
6	1001234277	1	Plate, Mounting	
7	1001253253	1	Valve, Sahr Brake (See Separate Breakdown in this Section)	

FIGURE 8-29. VALVE ASSEMBLY - SAHR BRAKE



ART_1001253253

FIGURE 8-29. VALVE ASSEMBLY - SAHR BRAKE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253253	Ref	Valve Assembly - Sahr Brake	B
1	2110606	2	Fitting, Straight ORFS/ORB	
2	2111008	1	Fitting, Straight ORFS/ORB	
3	2170406	1	Fitting, Tee ORFS/ORB/ORFS	
4	2170810	1	Fitting, Tee ORFS/FSORFS/ORFS	
5	8430032	1	Plug	
6	8430033	1	Fitting, Straight ORB	
7	1001234127	1	Valve, Sahr Brake (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

FIGURE 8-30. VALVES MOUNTING INSTALLATION - STEER SELECT

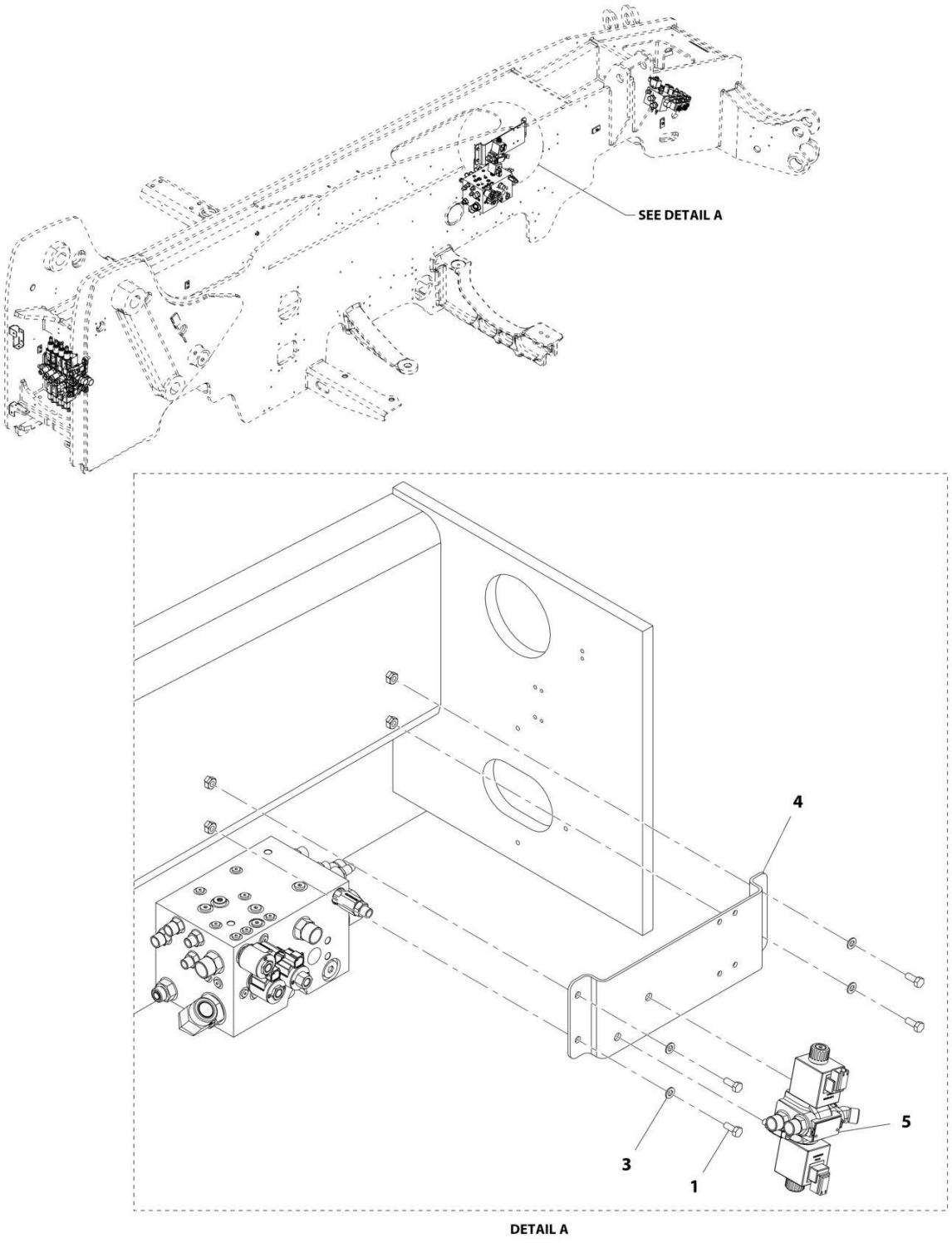


FIGURE 8-30. VALVES MOUNTING INSTALLATION - STEER SELECT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168464	Ref	Steering Select Valve Mounting Installation	E
1	0760810	4	Bolt, M8X20	
3	4811900	4	Washer, M8	
4	1001167437	1	Bracket	
5	1001173702	Ref	Installation, Steering Select Valve (See Separate Breakdown in this Section)	

FIGURE 8-31. VALVE INSTALLATION - STEER SELECT

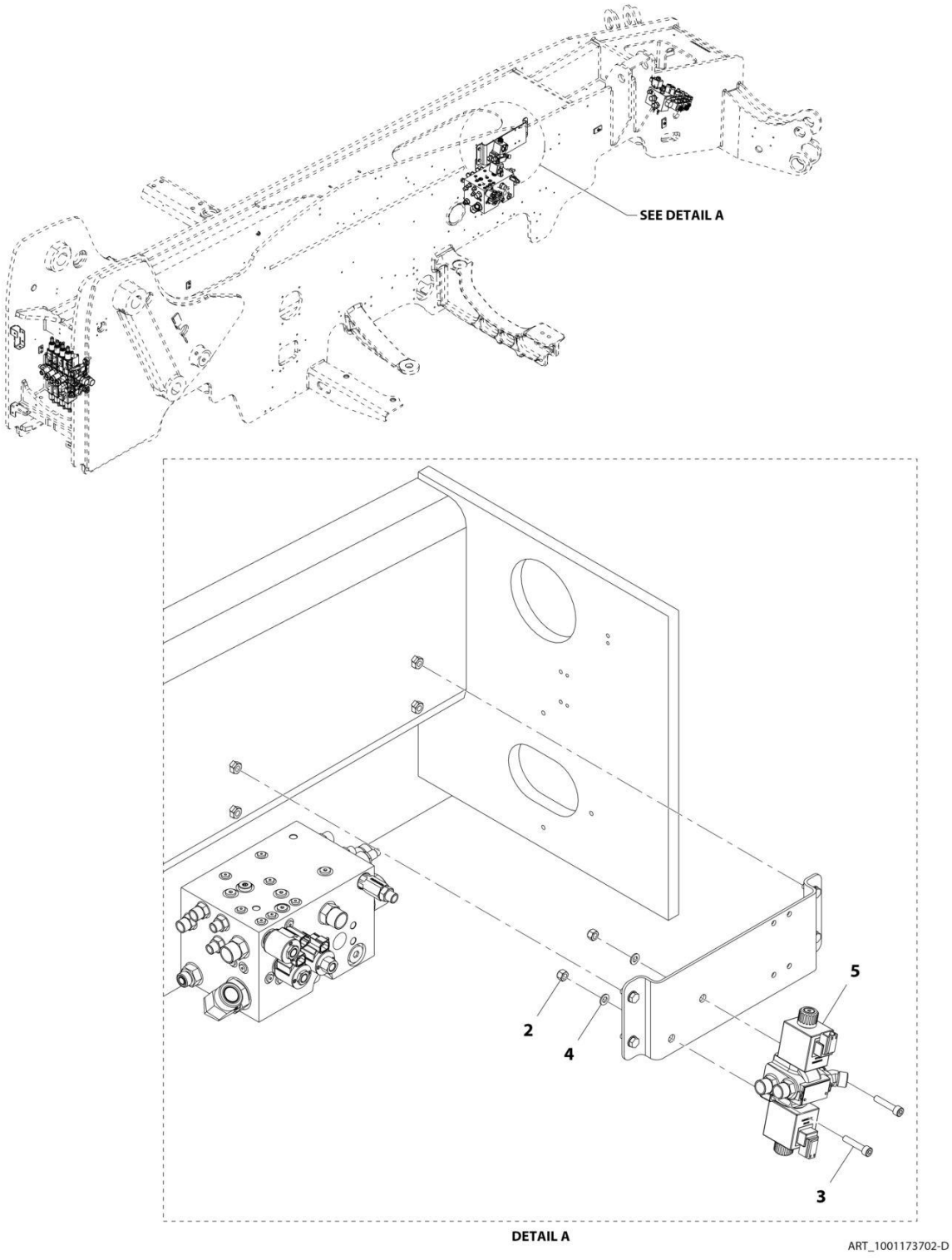


FIGURE 8-31. VALVE INSTALLATION - STEER SELECT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173702	Ref	Steering Select Valve Installation	D
2	3290805	2	Nut, Lock M8X1.25	
3	4031912	2	Bolt, M8X40	
4	4811900	2	Washer, M8	
5	1001161304	1	Assembly, Valve (See Separate Breakdown in this Section)	

FIGURE 8-32. VALVE & FITTINGS ASSEMBLY- STEER SELECT

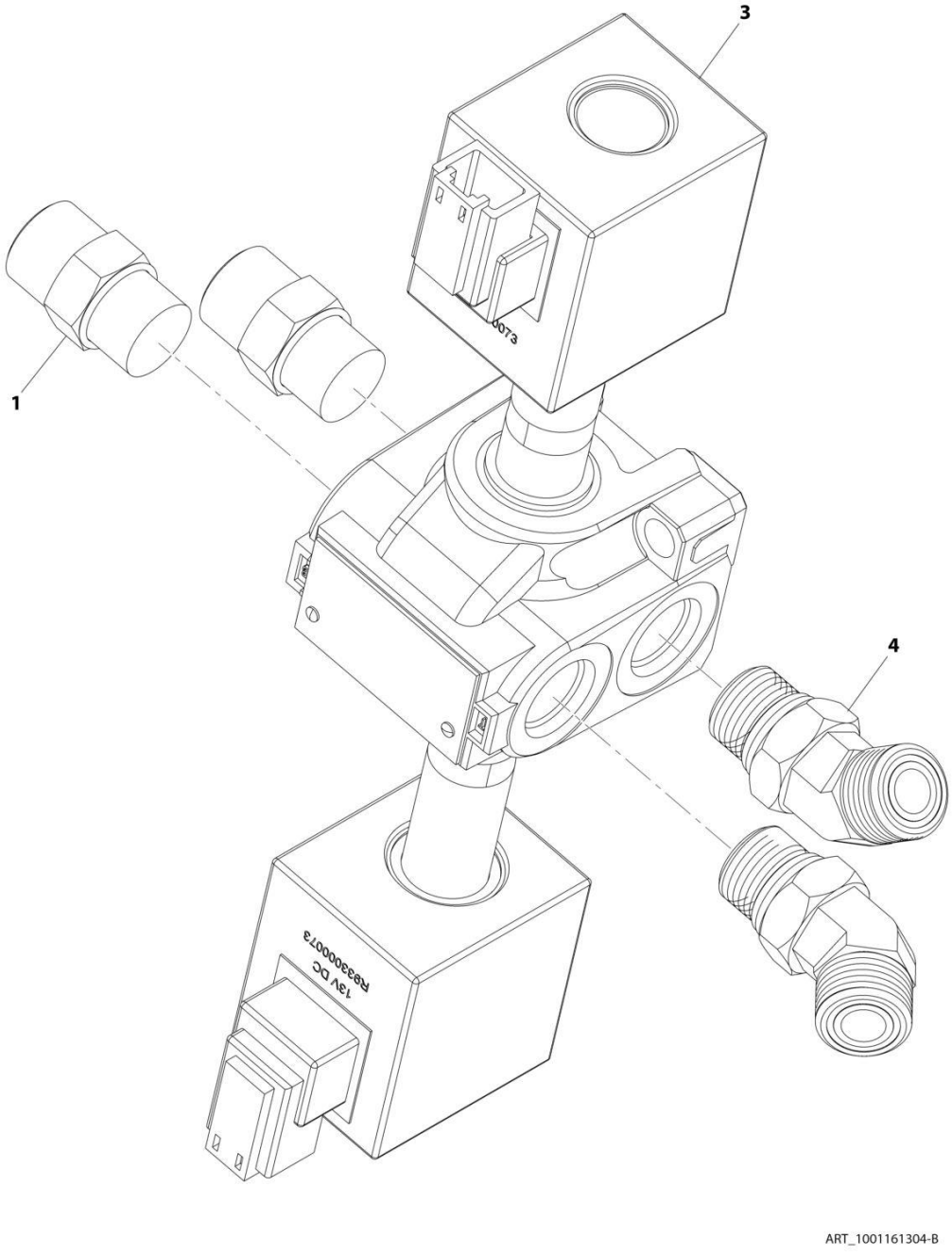
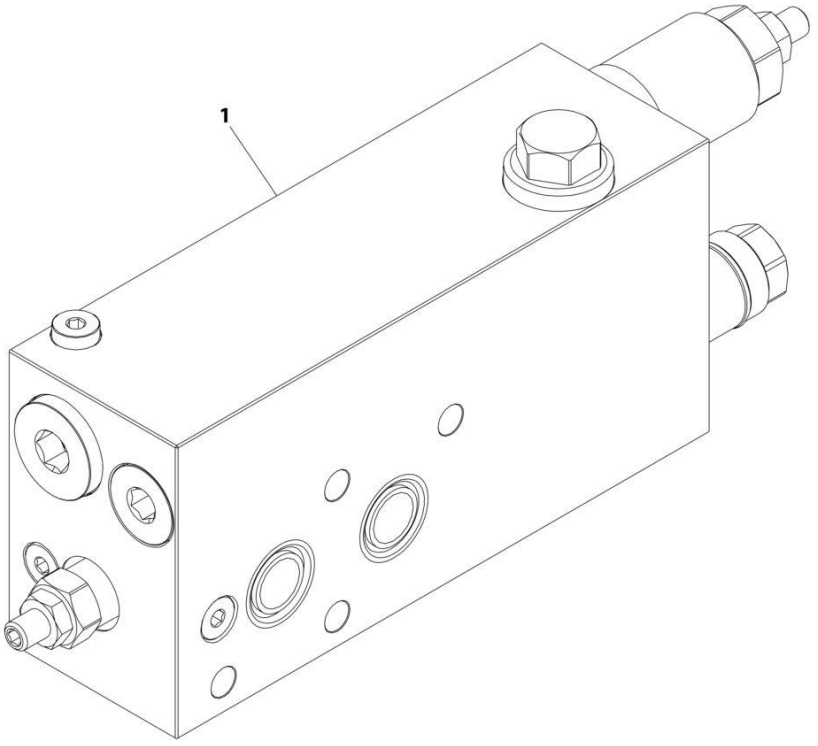


FIGURE 8-32. VALVE & FITTINGS ASSEMBLY- STEER SELECT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161304	Ref	Steering Select Valve Assembly	B
1	2110808	2	Fitting, Straight ORFS	
3	1001153748	1	Assembly, Valve (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
4	2150808	2	Fitting, 45 ORFS	

FIGURE 8-33. VALVE ASSEMBLY - GLS (NO RIDE CONTROL)



ART_1001226035-B

FIGURE 8-33. VALVE ASSEMBLY - GLS (NO RIDE CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001226035	Ref	Valve, Counterbalance (PGLS)	B

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. COUPLER - HYDRAULIC COUPLER

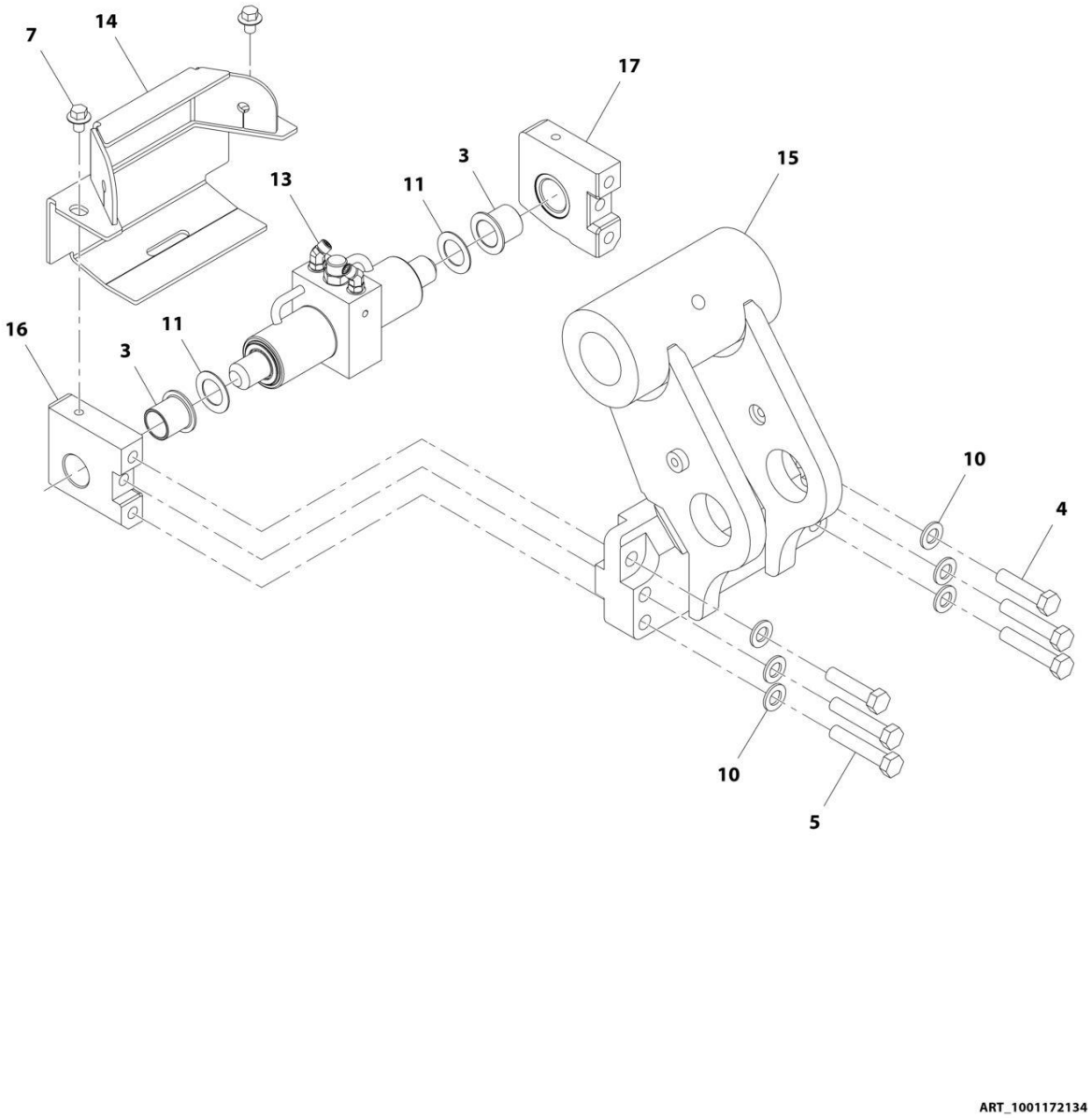


FIGURE 9-1. COUPLER - HYDRAULIC COUPLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172134	Ref	Hydraulic Quick Coupler Assembly	E
3	0440321	2	Bearing, Flange 1.5 Length	
3	1001263046	2	Bearing, Flange 1.375 Length	
4	1001191503	2	Bolt, M16X1.5X17 GR10.9	
5	1001191505	4	Bolt, M16X1.5X85 GR10.9	
7	0781208	2	Bolt, M12X16	
10	5241600	6	Washer, M16	
11	91561240	AR	Shim	
13	1001210390	1	Assembly, Quick Coupler Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
14	1001164860	1	Cover	
15	1001172075	1	Fitting, Straight	
16	1001172077	1	Plate	
17	1001172078	1	Plate	

FIGURE 9-2. CYLINDER GROUP INSTALLATION

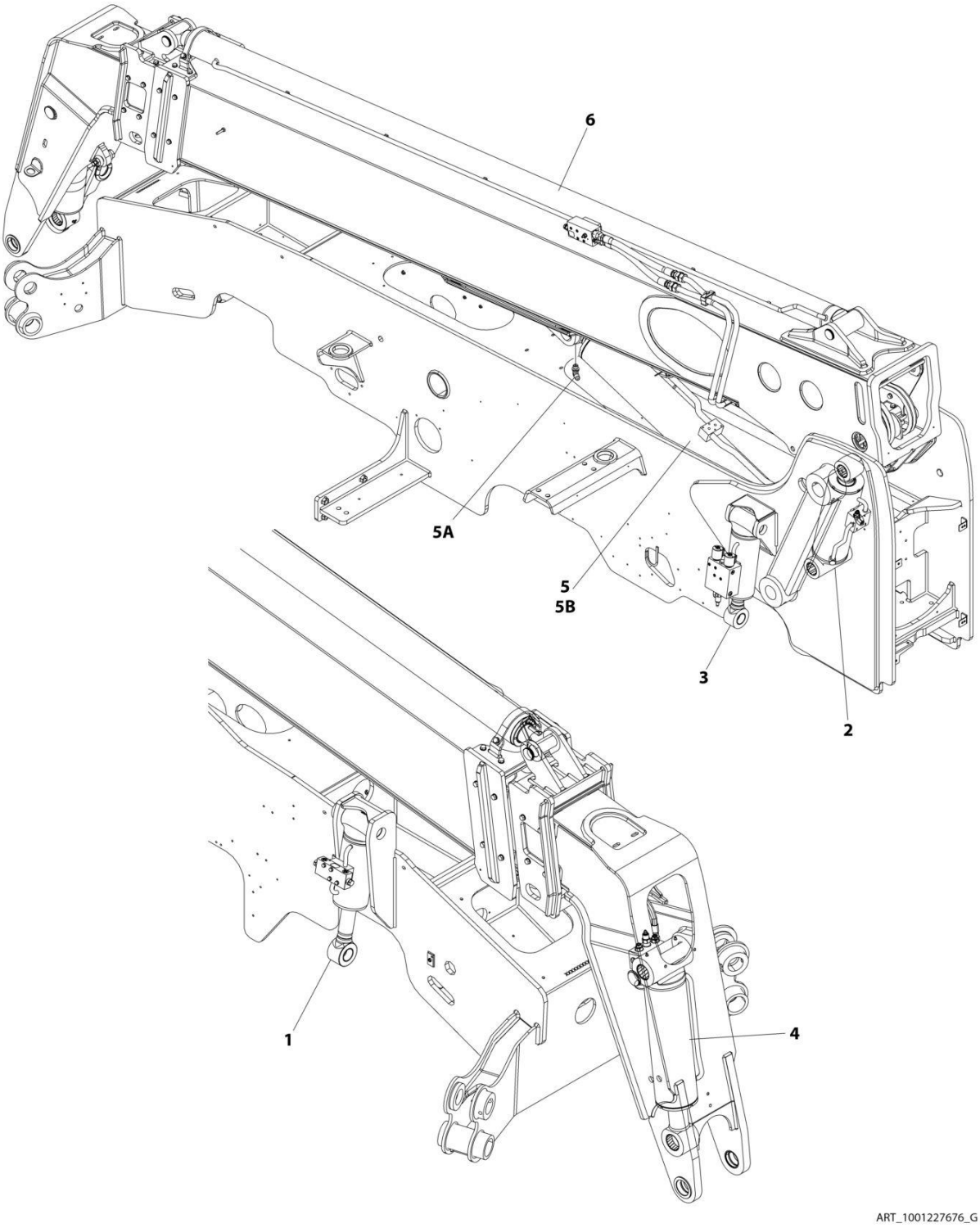


FIGURE 9-2. CYLINDER GROUP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227676	Ref	CYLINDER GROUP INSTALLATION	G
1	1001162076	Ref	Cylinder, Frame Level (See Separate Breakdown in this Section)	
2	1001162600	Ref	Cylinder, Compensation (See Separate Breakdown in this Section)	
3	1001164036	Ref	Cylinder, Rear Axle Stabilizer (See Separate Breakdown in this Section)	
4	1001184640	Ref	Cylinder, Tilt (See Separate Breakdown in this Section)	
5	1001264884	Ref	Installation, Lift Cylinder Assembly	A
5A	8770215	1	Elbow	
5B	1001251095	1	Cylinder, Lift (See Separate Breakdown in this Section)	
6	1001227677	Ref	Cylinder, Extend/Retract (See Separate Breakdown in this Section)	

FIGURE 9-3. CYLINDER ASSEMBLY - CARRIAGE SIDE SHIFT

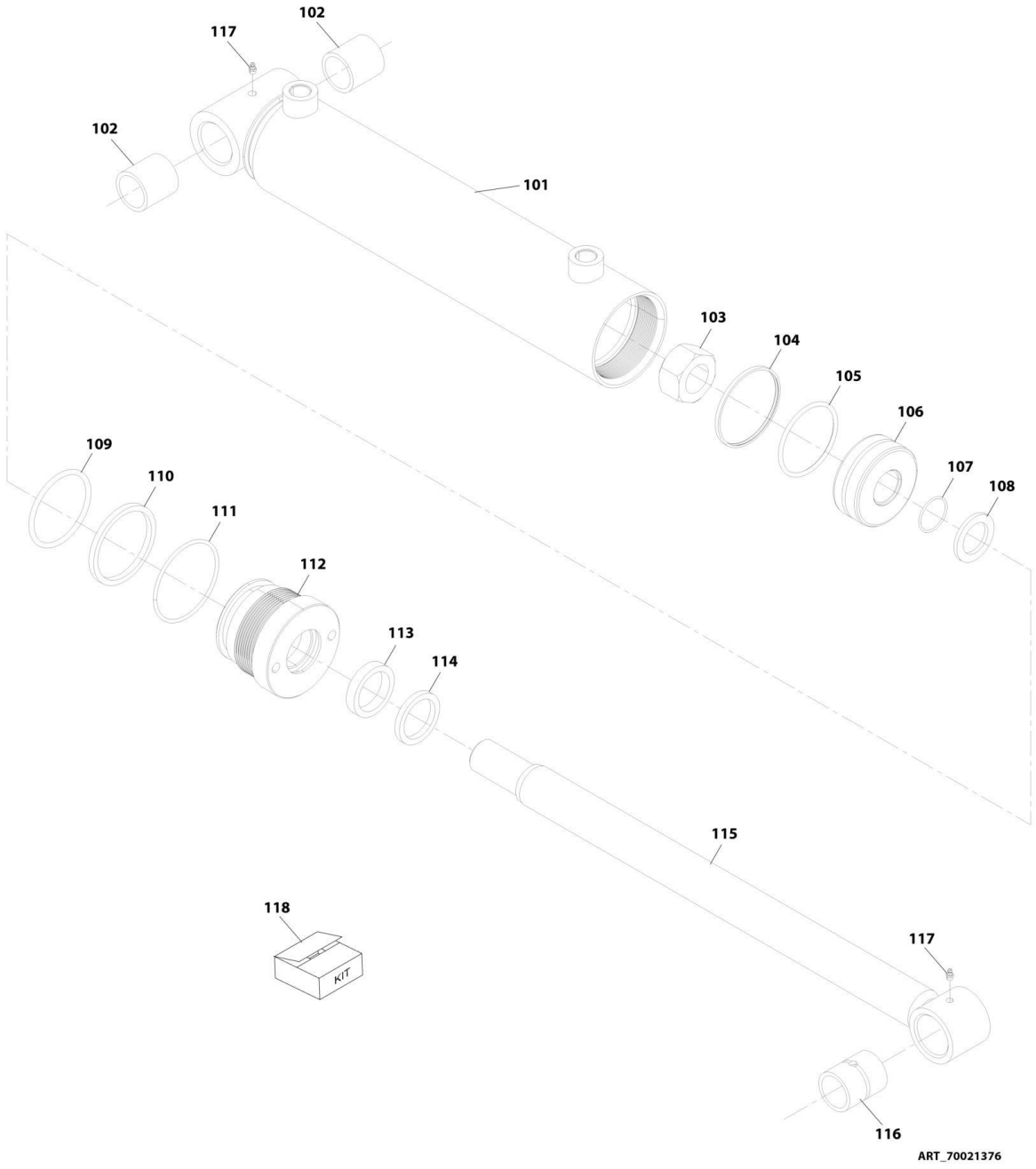


FIGURE 9-3. CYLINDER ASSEMBLY - CARRIAGE SIDE SHIFT

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

FIGURE 9-4. CYLINDER ASSEMBLY - CARRIAGE SIDE TILT

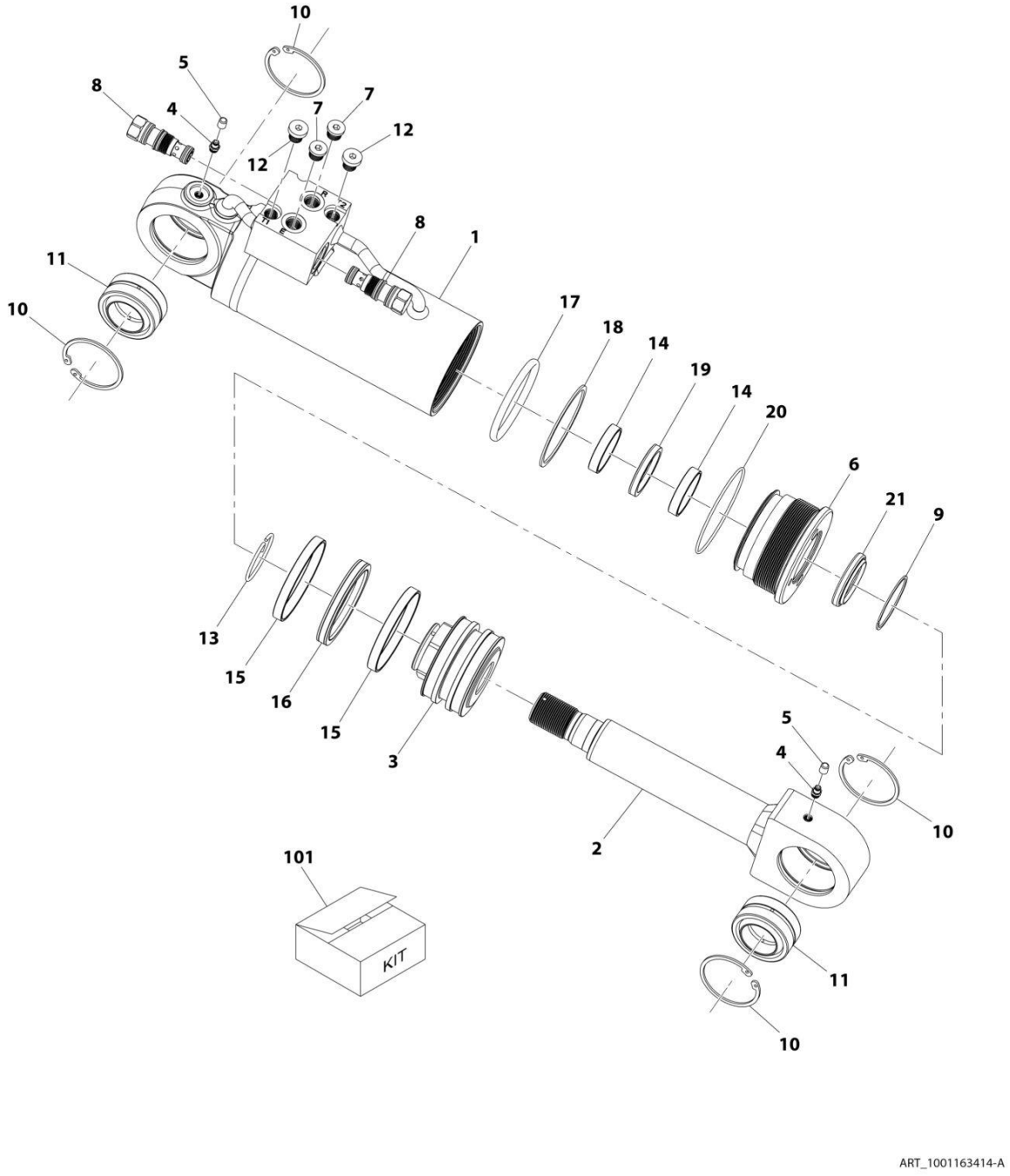


FIGURE 9-4. CYLINDER ASSEMBLY - CARRIAGE SIDE TILT

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

FIGURE 9-5. CYLINDER ASSEMBLY - CARRIAGE SWING (Prior to SN 0160115844)

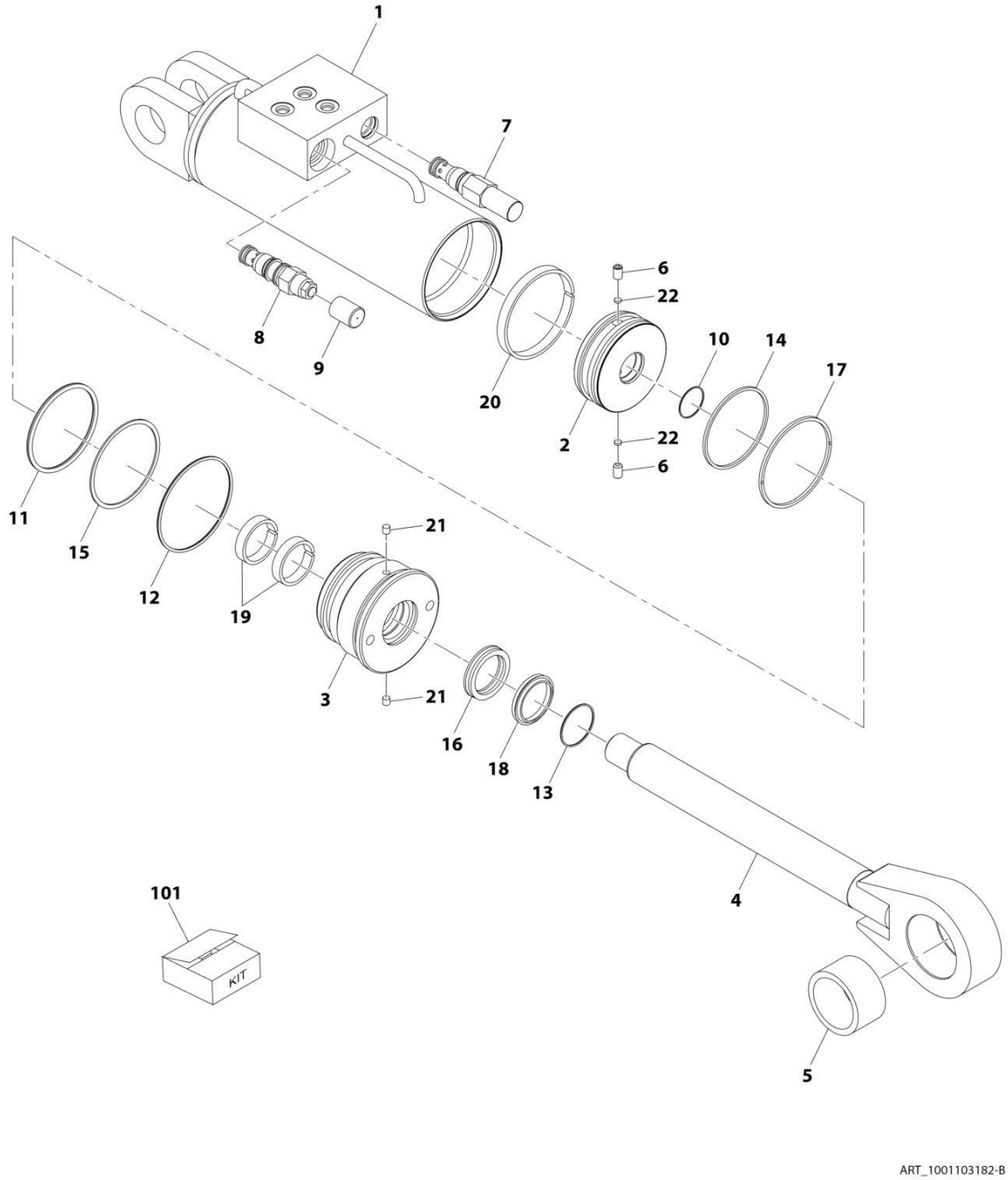


FIGURE 9-5. CYLINDER ASSEMBLY - CARRIAGE SWING (Prior to SN 0160115844)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103182	Ref	Swing Carriage Cylinder	B
1	70022044	1	Barrel	
2	8035863	1	Piston	
3	8035862	1	Head	
4	70022045	1	Rod	
5	70022046	1	Bearing	
6	8035536	2	Setscrew 5/16X1/2	
7	70020428	1	Valve, Relief	
7	7024574	1	Kit, Seal	
8	8033786	1	Valve, Counterbalance	
8	8205655	1	Kit, Seal	
9	70021812	1	Tamper-proof Cap	
10	See Note	NSS	O-Ring (Note: Use Item 101)	
11	See Note	NSS	O-Ring (Note: Use Item 101)	
12	See Note	NSS	O-Ring (Note: Use Item 101)	
13	See Note	NSS	O-Ring (Note: Use Item 101)	
14	See Note	NSS	Ring, Square (Note: Use Item 101)	
15	See Note	NSS	Ring, Backup (Note: Use Item 101)	
16	See Note	NSS	Seal (Note: Use Item 101)	
17	See Note	NSS	Seal, Piston (Note: Use Item 101)	
18	See Note	NSS	Wiper, Rod (Note: Use Item 101)	
19	See Note	NSS	Ring, Wear (Note: Use Item 101)	
20	See Note	NSS	Ring, Wear (Note: Use Item 101)	
21	See Note	NSS	Insert (Note: Use Item 101)	
22	See Note	NSS	Insert (Note: Use Item 101)	
101	2915023	1	Kit, Seal (includes items 11 thru 22)	

FIGURE 9-6. CYLINDER ASSEMBLY - CARRIAGE SWING (SN 0160115844 to Present)

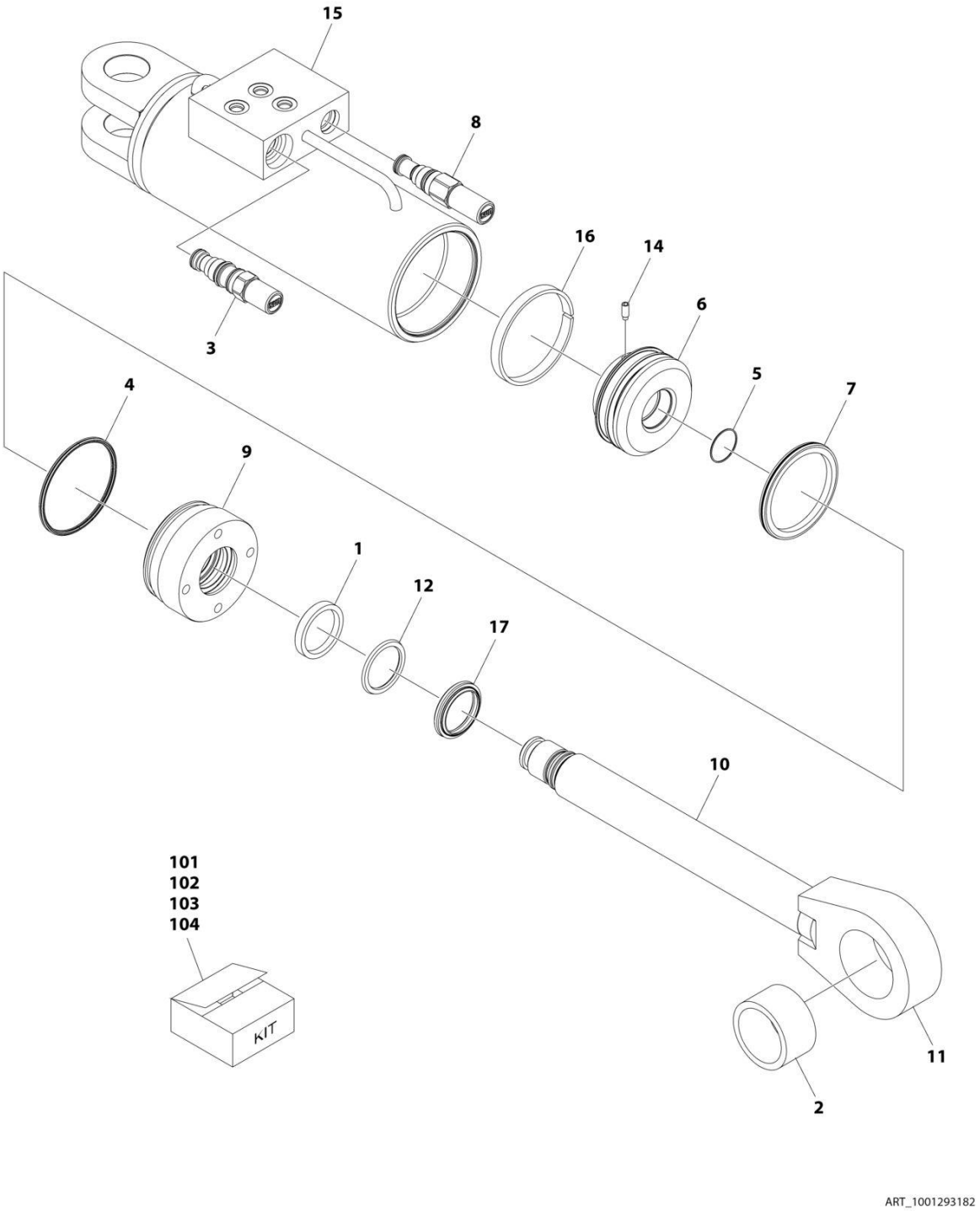


FIGURE 9-6. CYLINDER ASSEMBLY - CARRIAGE SWING (SN 0160115844 to Present)

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

FIGURE 9-7. CYLINDER ASSEMBLY - COMPENSATION

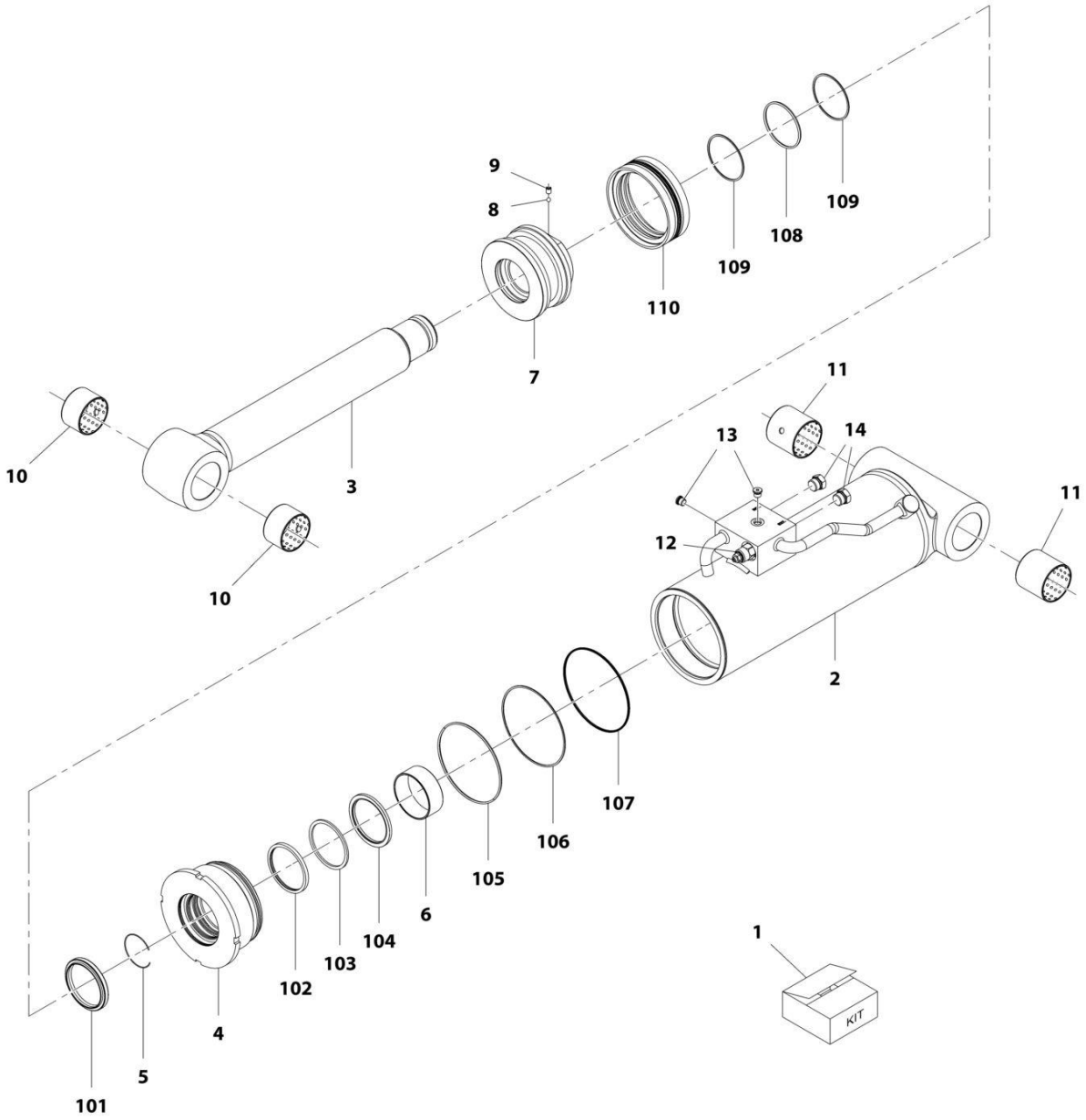
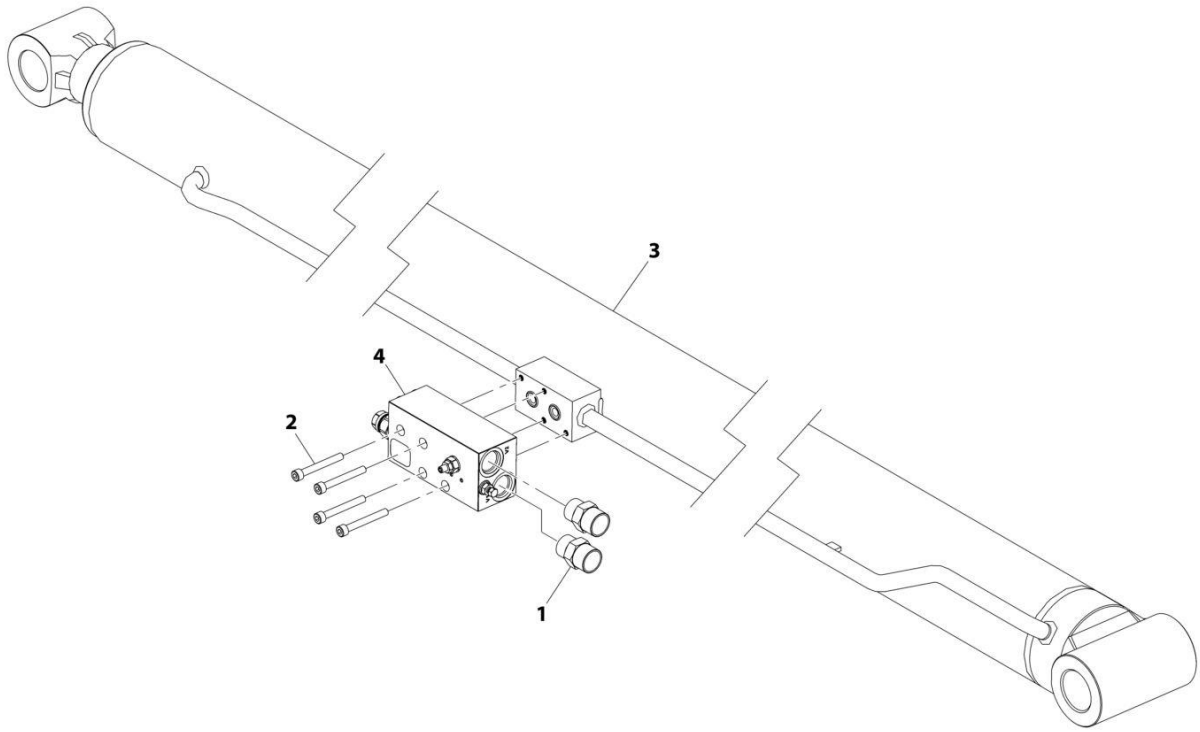


FIGURE 9-7. CYLINDER ASSEMBLY - COMPENSATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162600	Ref	Compensation Cylinder	F
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
1	70026550	1	Kit, Seal (includes items 101 thru 110)	
2	70026540	1	Barrel	
3	70026541	1	Gland	
4	70026542	1	Ring, Retaining	
5	70023379	1	Ring, Retaining	
6	70026302	1	Bearing, Dry	
7	70026303	1	Piston	
8	70022564	1	Ball, Steel	
9	70023369	1	Screw, Set	
10	70026543	2	Bearing, Dry	
11	70026545	2	Bearing, Dry	
12	70026336	1	Valve, Counterbalance	
13	70023370	2	Plug, Socket	
14	70023372	2	Plug, Hex	
101	Kit	1	Wiper, Dust	
102	Kit	1	Seal, Rod	
103	Kit	1	Ring, Backup	
104	Kit	1	Ring, Buffer	
105	Kit	1	O-Ring	
106	Kit	1	Ring, Backup	
107	Kit	1	O-Ring	
108	Kit	1	O-Ring	
109	Kit	2	Ring, Backup	
110	Kit	1	Seal, Piston	

FIGURE 9-8. CYLINDER SUB-ASSEMBLY - EXTEND/RETRACT



ART_1001227677-A

FIGURE 9-8. CYLINDER SUB-ASSEMBLY - EXTEND/RETRACT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227677	Ref	Extend/Retract Cylinder Assembly	A
1	2111212	2	Fitting, Straight ORFS	
2	4031917	4	Bolt, M8X65	
3	1001162685	1	Extend/Retract Cylinder (See Separate Breakdown in this Section)	
4	1001226876	1	Valve, Counterbalance (includes 2 O-Ring)	

FIGURE 9-9. CYLINDER ASSEMBLY - EXTEND/RETRACT

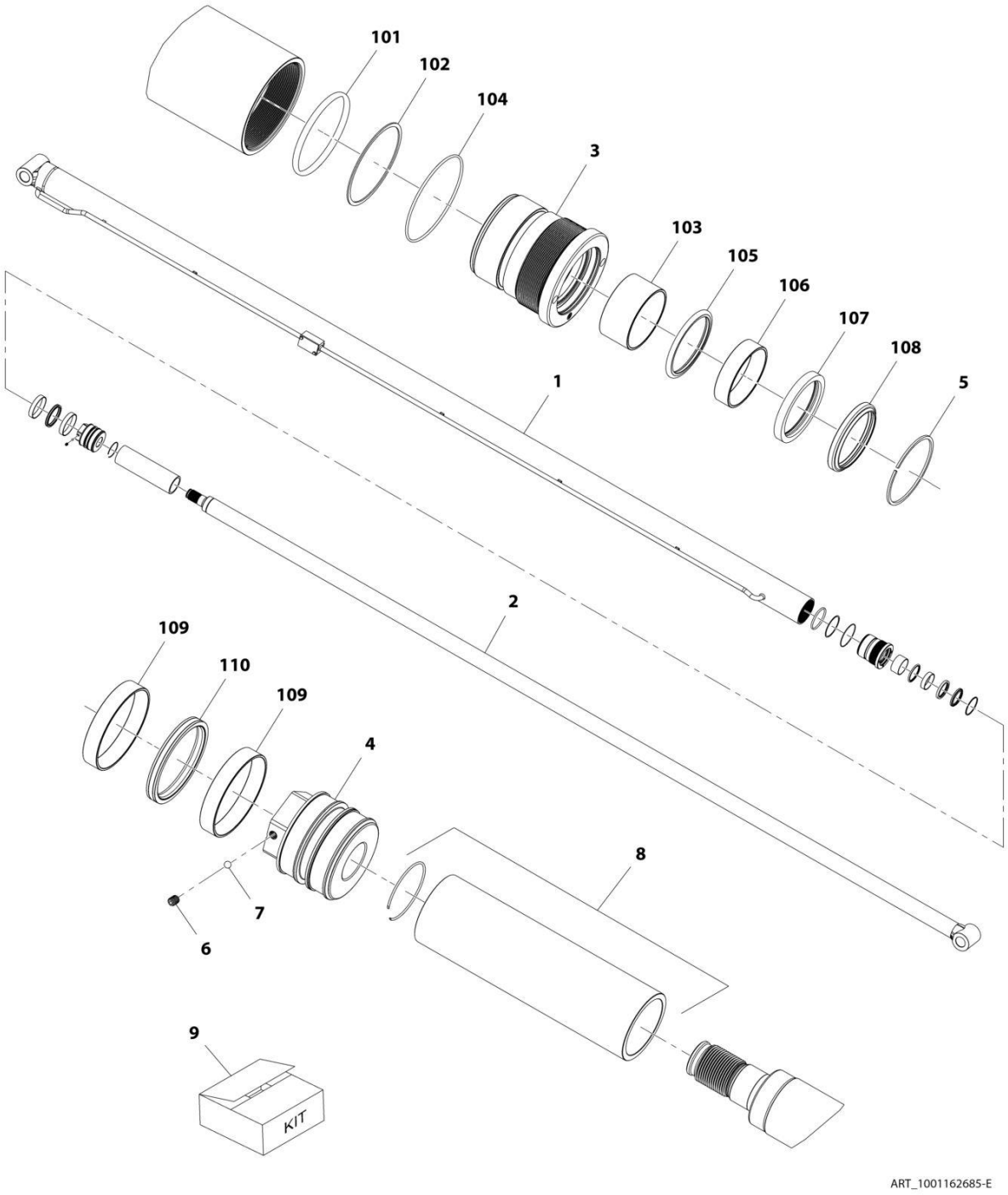


FIGURE 9-9. CYLINDER ASSEMBLY - EXTEND/RETRACT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162685	Ref	Extend/Retract Cylinder	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70026456	1	Barrel	
2	70026457	1	Rod	
3	70026459	1	Gland	
4	70026460	1	Head, Piston	
5	70023086	1	Ring, Snap	
6	70026461	1	Screw, Set	
7	70025614	1	Ball, Steel	
8	70026458	1	Spacer	
9	70026462	1	Kit, Seal (includes items 101 thru 110)	
101	Kit	1	O-Ring	
102	Kit	1	Ring, Backup	
103	Kit	1	Ring, Bearing	
104	Kit	1	O-Ring	
105	Kit	1	Seal, Rod	
106	Kit	1	Ring, Bearing	
107	Kit	1	Seal, Rod	
108	Kit	1	Seal, Wiper	
109	Kit	2	Ring, Bearing	
110	Kit	1	Seal, Piston	

FIGURE 9-10. CYLINDER ASSEMBLY - FORK POSITIONING

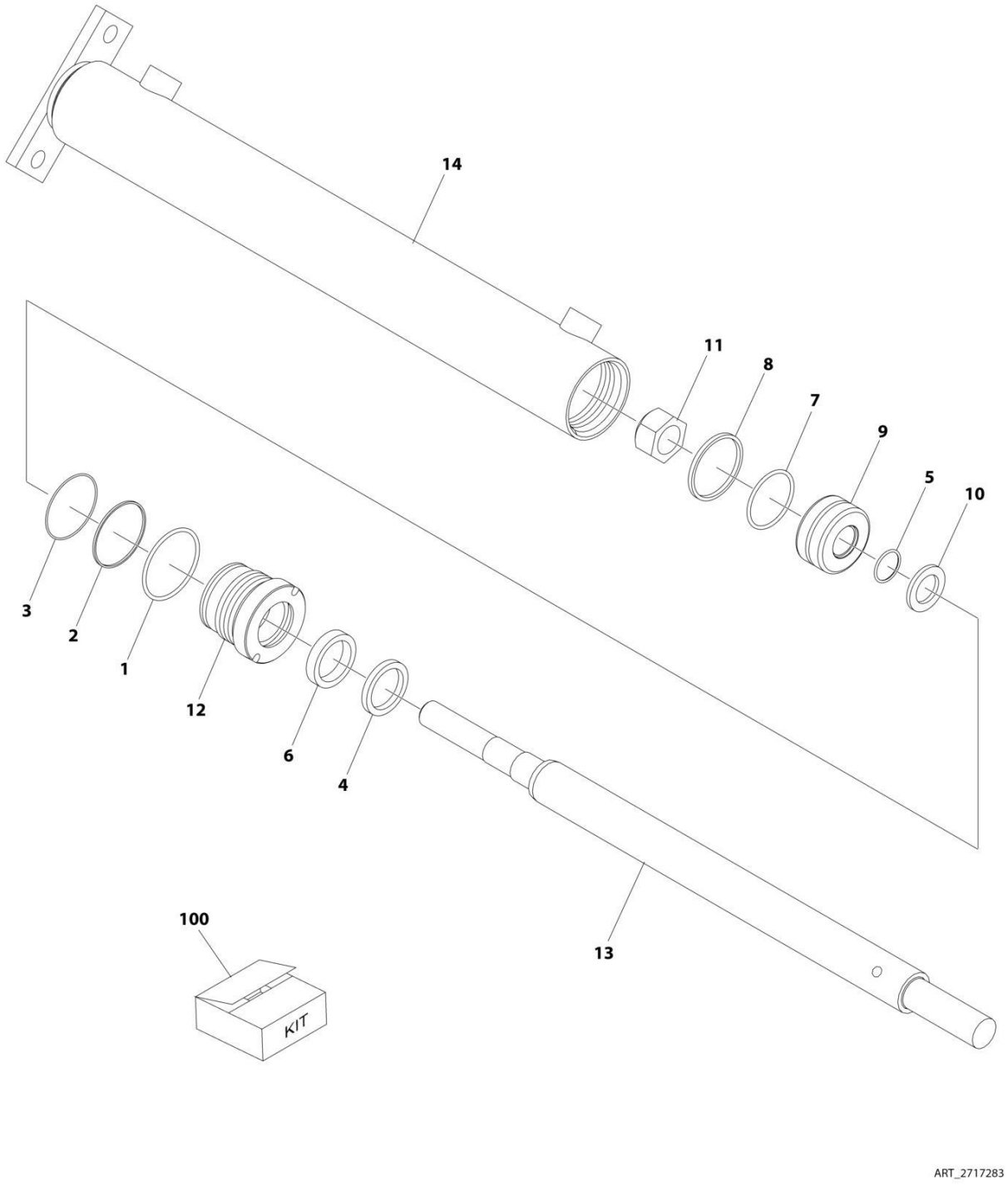


FIGURE 9-10. CYLINDER ASSEMBLY - FORK POSITIONING

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

FIGURE 9-11. CYLINDER INSTALLATION - FRAME LEVEL

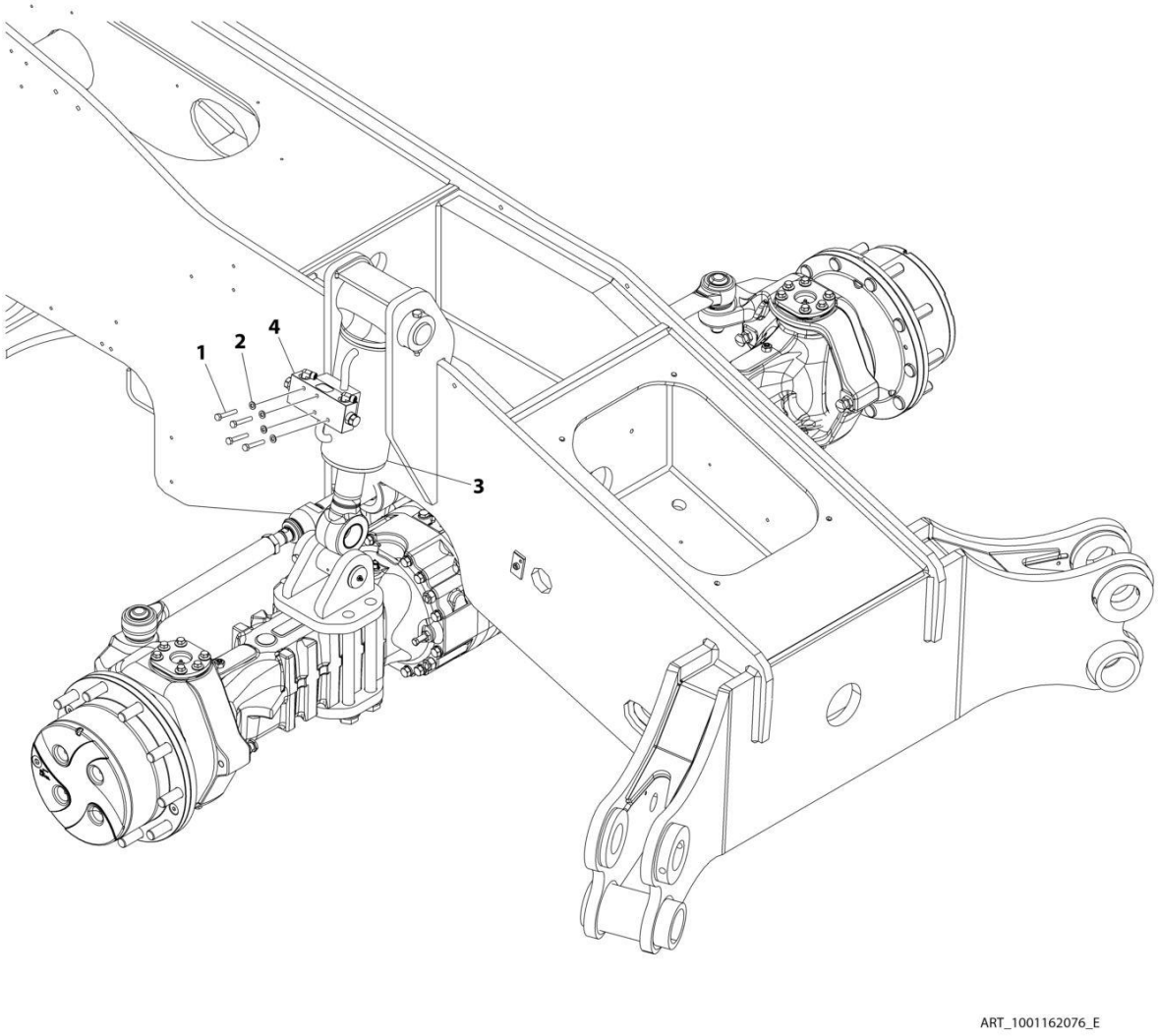


FIGURE 9-11. CYLINDER INSTALLATION - FRAME LEVEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162076	Ref	FRAME LEVEL CYLINDER INSTALLATION	E
1	0700818	4	Bolt M8 x 50	
2	4811900	4	Washer M8	
3	1001267970	1	Cylinder, Frame Stability (See Separate Breakdown in this Section)	
4	1001252522	1	Valve, Counterbalance	

FIGURE 9-12. CYLINDER ASSEMBLY - FRAME LEVEL

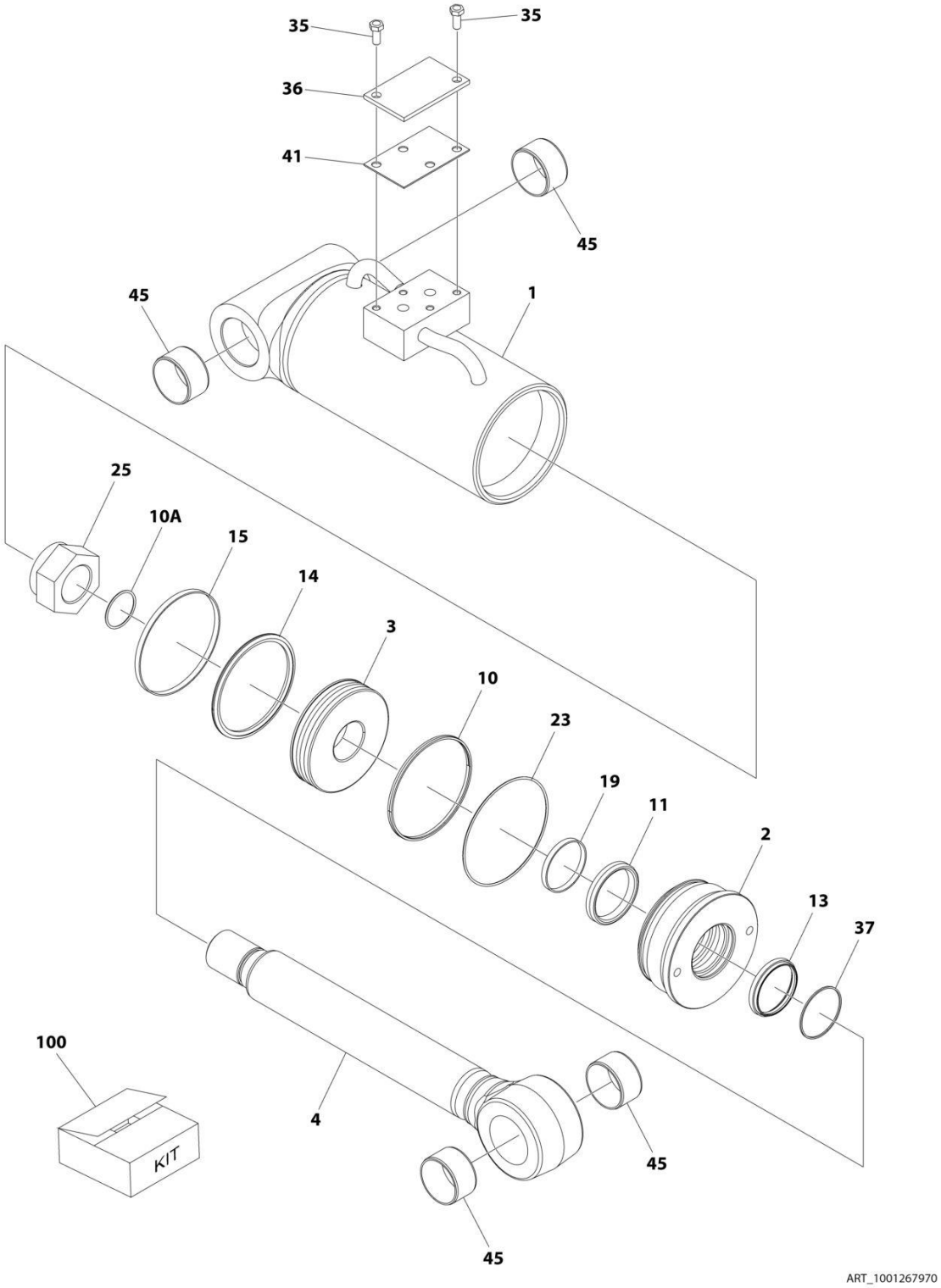


FIGURE 9-12. CYLINDER ASSEMBLY - FRAME LEVEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267970	Ref	CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001267970)	
2	70030388	1	Head	
3	70030389	1	Piston	
4	70030395	1	Rod	
10	See Note	NSS	Seal, Dual (Note: Use Item 100)	
10A	See Note	NSS	O-Ring (Note: Use Item 100)	
11	See Note	NSS	Seal, Rod (Note: Use Item 100)	
13	See Note	NSS	Wiper (Note: Use Item 100)	
14	See Note	NSS	Seal, Piston (Note: Use Item 100)	
15	See Note	NSS	Ring, Wear (Note: Use Item 100)	
19	See Note	NSS	Ring, Wear (Note: Use Item 100)	
23	See Note	NSS	Seal, Environmental (Note: Use Item 100)	
25	70030391	1	Nut 1-3/4	
35		Ref	Bolt M8 x 1-1/4	
36		Ref	Plate, Shipping	
37	70030392	1	Mask, Wiper	
41		Ref	Gasket, Shipping	
45	70030393	4	Bushing	
100	70030394	1	Seal Kit (Includes Items 10, 10A, 11, 13, 14, 15, 19 & 23)	

FIGURE 9-13. CYLINDER ASSEMBLY - GRAPPLE BUCKET

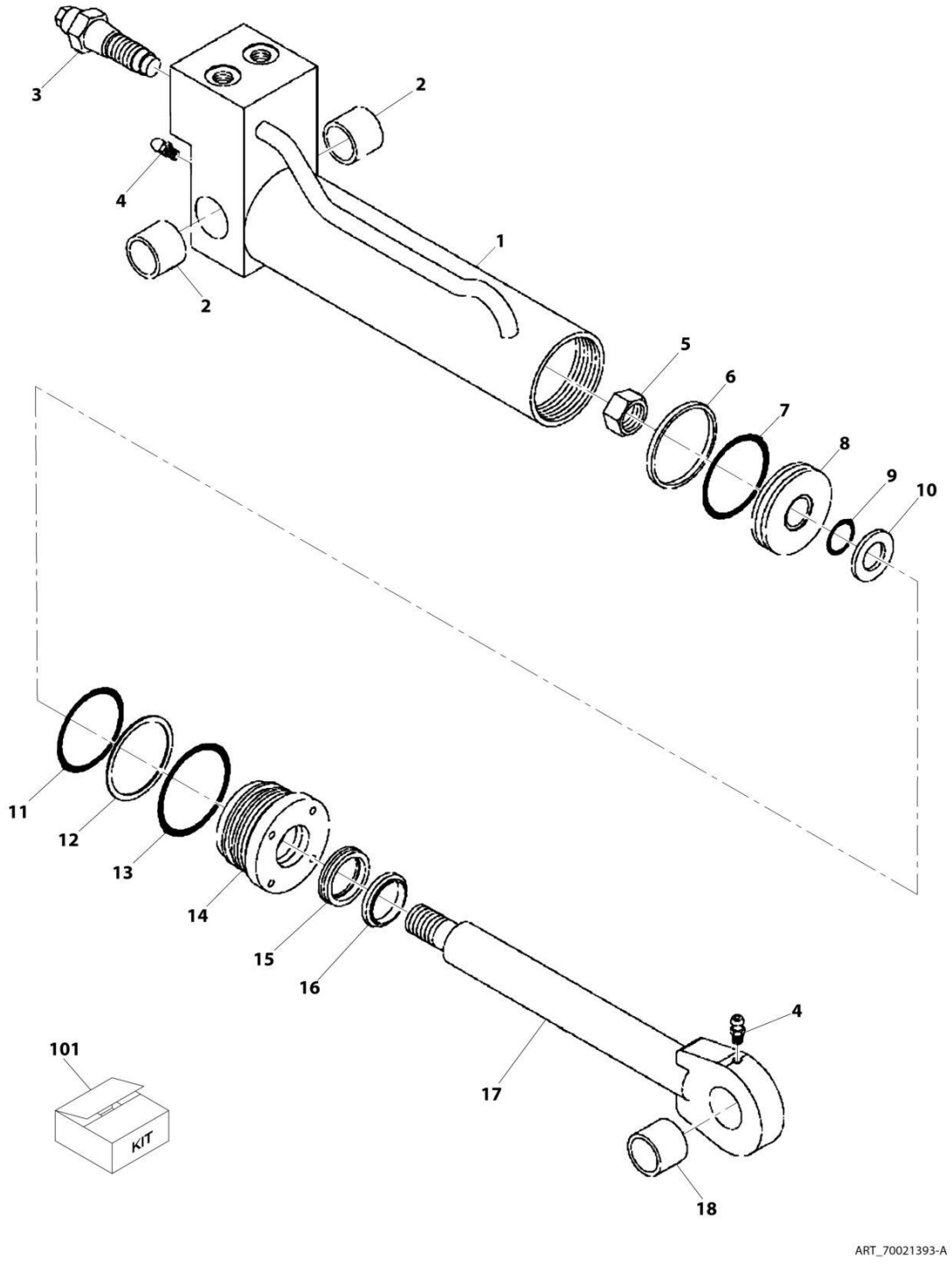


FIGURE 9-13. CYLINDER ASSEMBLY - GRAPPLE BUCKET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70021393	Ref	Grapple Bucket Cylinder	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70021465	1	Barrel	
2	70021448	2	Bushing	
3	70021464	2	Cartridge, Valve	
4	90554045	2	Fitting, Grease	
5	70021440	1	Nut	
6	Kit	NSS	Ring, Piston (Note: Use Item 101)	
7	Kit	NSS	O-Ring (Note: Use Item 101)	
8	70021451	1	Piston	
9	Kit	NSS	O-Ring (Note: Use Item 101)	
10	70021444	1	Washer	
11	Kit	NSS	O-Ring (Note: Use Item 101)	
12	Kit	NSS	Washer, Back-Up (Note: Use Item 101)	
13	Kit	NSS	O-Ring (Note: Use Item 101)	
14	70021446	1	Head	
15	Kit	NSS	Seal, Poly-Pak (Note: Use Item 101)	
16	Kit	NSS	Wiper, Rod (Note: Use Item 101)	
17	70021466	1	Rod	
18	70021447	1	Bushing	
101	70021452	1	Kit, Seal (includes items 6, 7, 9, 11 thru 13, 15 & 16)	

FIGURE 9-14. CYLINDER ASSEMBLY - LIFT

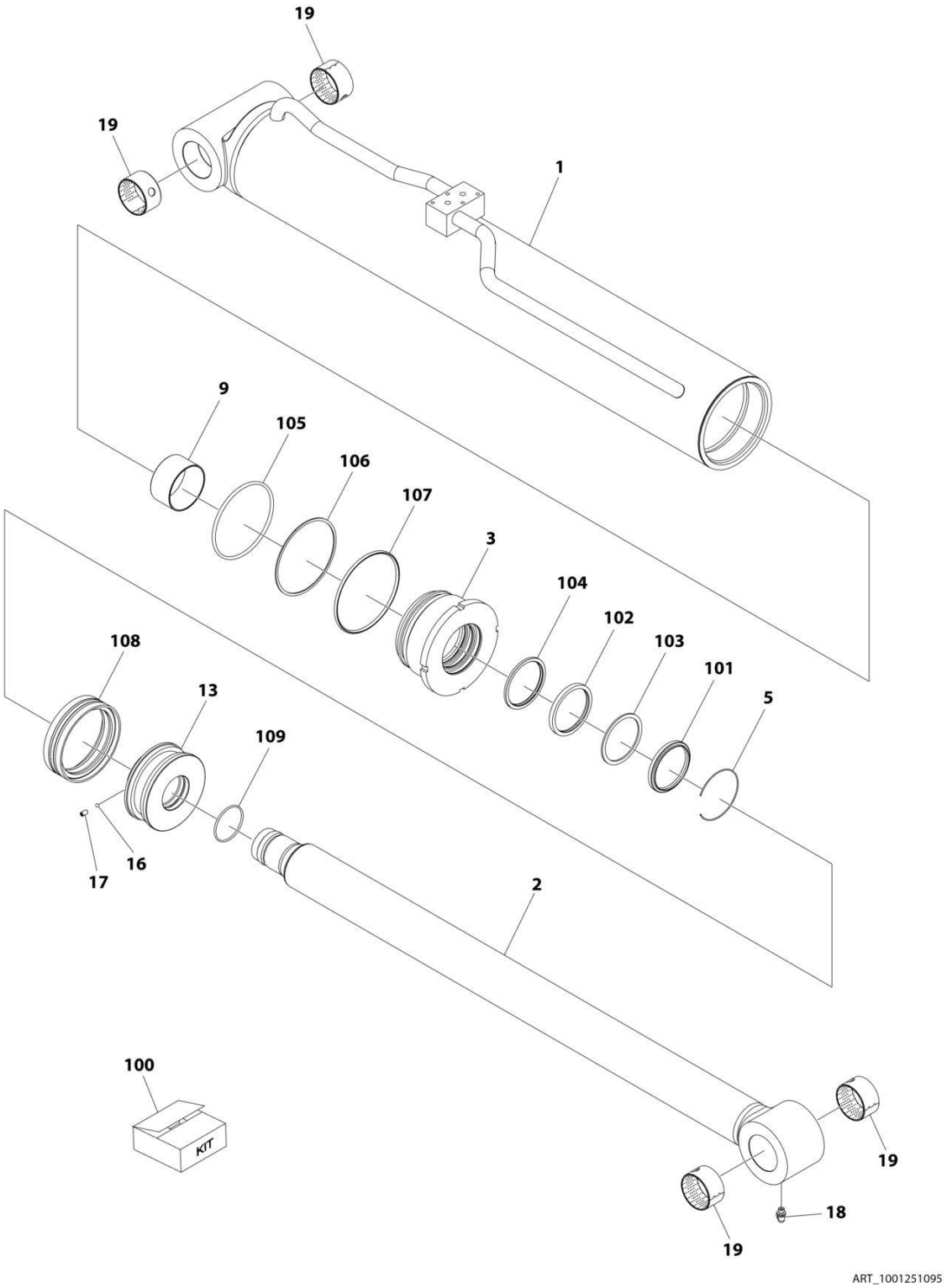


FIGURE 9-14. CYLINDER ASSEMBLY - LIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251095	Ref	Lift Cylinder	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	N.S.S.	1	Barrel	
2	70029800	1	Rod	
3	70029801	1	Gland	
5	70023380	1	Ring, Retaining	
9	70029802	1	Bearing	
13	70029803	1	Piston	
16	70022564	1	Steel Ball	
17	70029468	1	Setscrew	
18	70023376	1	Fitting, Grease	
19	70029804	4	Bearing	
100	70029805	1	Kit, Seal (includes items 101 thru 109)	
101	Kit	1	Wiper	
102	Kit	1	Seal, Rod	
103	Kit	1	Ring, Backup	
104	Kit	1	Seal, Buffer	
105	Kit	1	O-Ring	
106	Kit	1	Ring, Backup	
107	Kit	1	O-Ring	
108	Kit	1	Piston Seal	
109	Kit	1	O-Ring	

FIGURE 9-15. CYLINDER SUB-ASSEMBLY - QUICK COUPLER

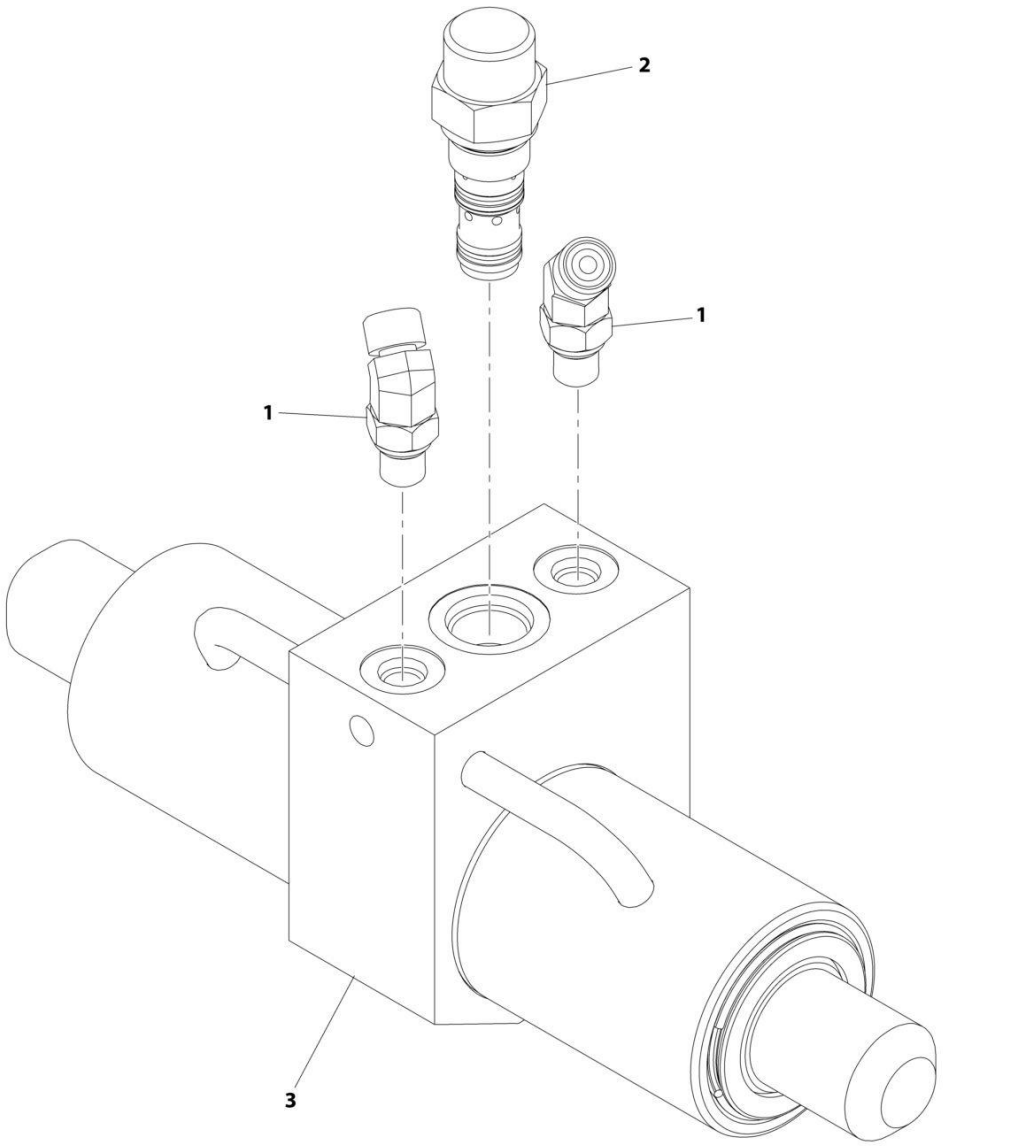


FIGURE 9-15. CYLINDER SUB-ASSEMBLY - QUICK COUPLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001210390	Ref	Quick Coupler Cylinder Assembly	A
1	2150404	2	Fitting, 45 ORFS	
2	1001007056	1	Valve, Check	
3	1001120163	1	Cylinder, Quick Coupler (See Separate Breakdown in this Section)	

FIGURE 9-16. CYLINDER ASSEMBLY - QUICK COUPLER

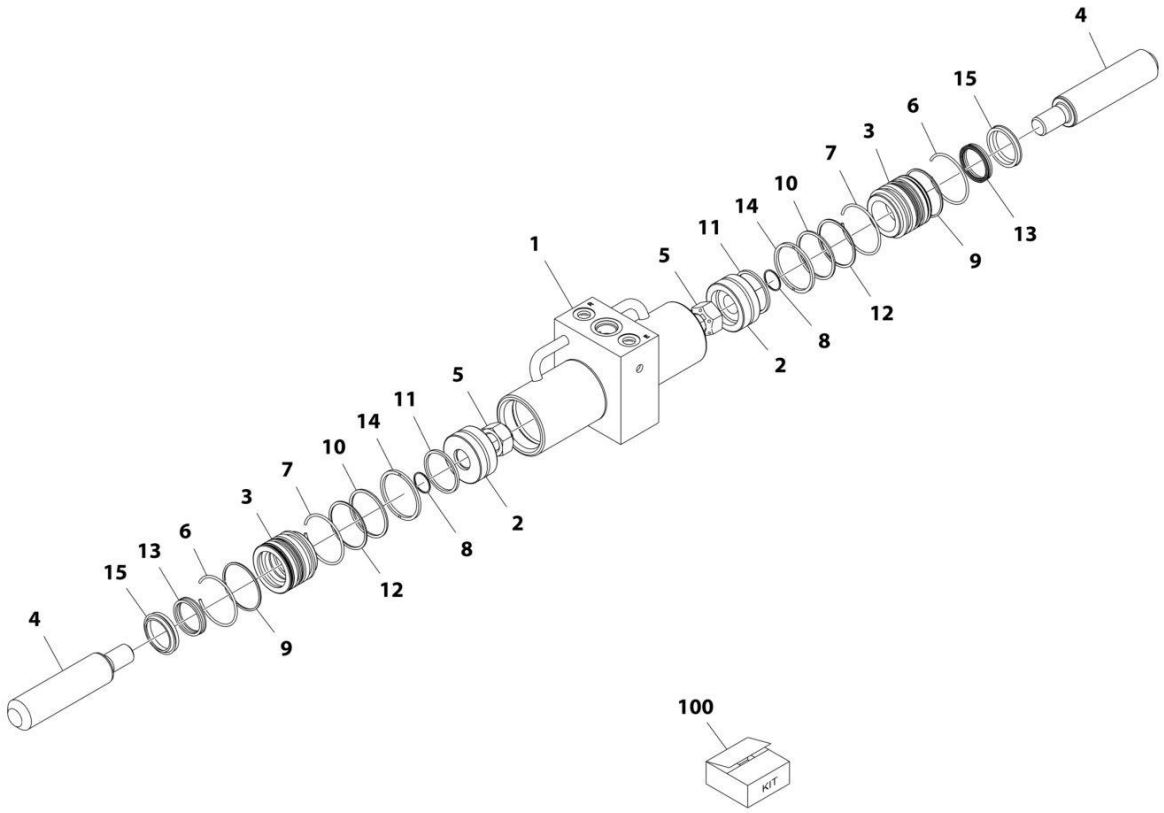
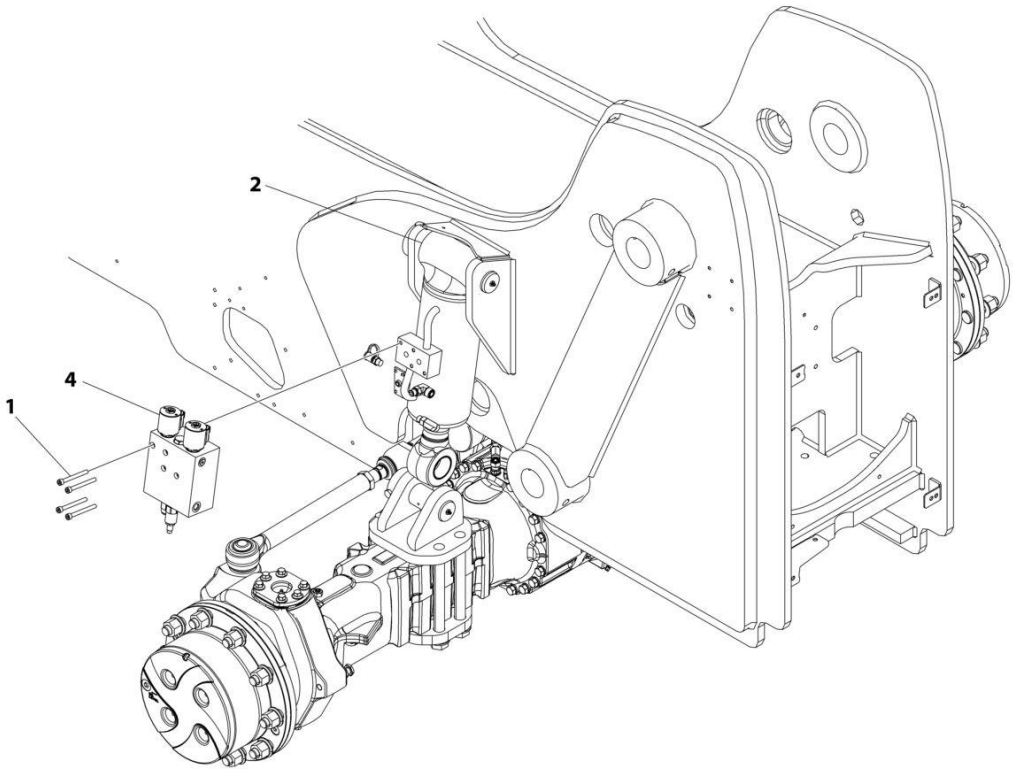


FIGURE 9-16. CYLINDER ASSEMBLY - QUICK COUPLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001120163	Ref	Quick Coupler Cylinder	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70026211	1	Barrel	
2	70026212	2	Piston	
3	70026213	2	Head Gland	
4	70026214	2	Cylinder Rod	
5	8037140	2	Locknut	
6	Kit	2	Round Retaining Ring	
7	Kit	2	Round Retaining Ring	
8	Kit	2	O-Ring	
9	Kit	2	O-Ring	
10	Kit	2	O-Ring	
11	Kit	2	Square Ring	
12	Kit	2	Backup Ring	
13	Kit	2	Rod Seal	
14	Kit	2	Piston Seal	
15	Kit	2	Rod Wiper	
100	70026215	1	Seal Kit (includes items 6 thru 15)	

FIGURE 9-17. CYLINDER INSTALLATION - REAR AXLE STABILIZER



ART_1001164036_F

FIGURE 9-17. CYLINDER INSTALLATION - REAR AXLE STABILIZER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164036	Ref	REAR AXLE STABILIZER CYLINDER INSTALLATION	F
1	4031920	4	Screw M8 x 1-1/4	
2	1001267969	1	Cylinder, Frame Stability (See Separate Breakdown in this Section)	
4	1001197600	Ref	Valve (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

FIGURE 9-18. CYLINDER ASSEMBLY - STABILIZER (REAR AXLE)

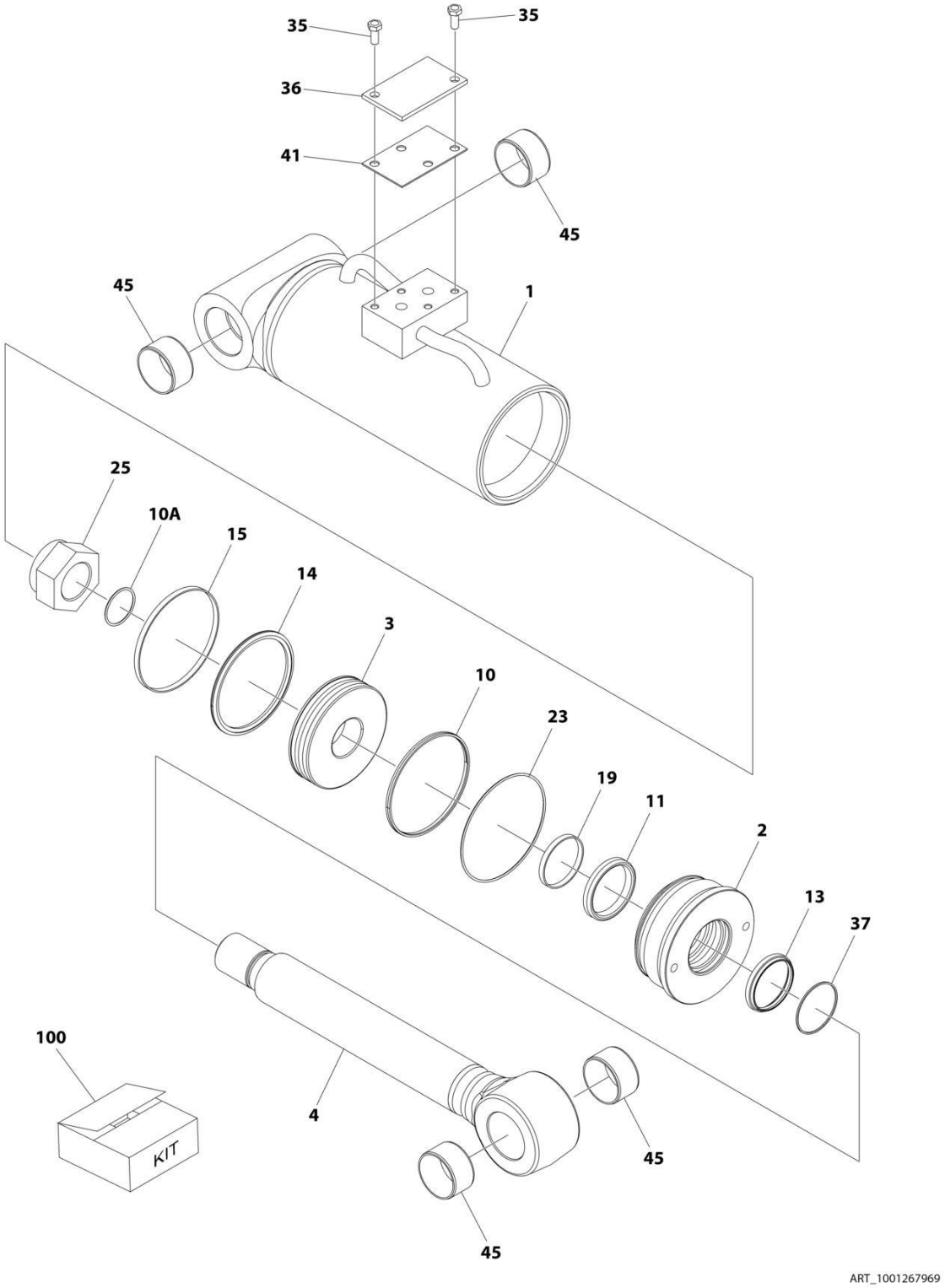


FIGURE 9-18. CYLINDER ASSEMBLY - STABILIZER (REAR AXLE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267969	Ref	CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use PN 1001267969)	
2	70030388	1	Head	
3	70030389	1	Piston	
4	70030390	1	Rod	
10	See Note	NSS	Seal, Dual (Note: Use Item 100)	
10A	See Note	NSS	O-Ring (Note: Use Item 100)	
11	See Note	NSS	Seal, Rod (Note: Use Item 100)	
13	See Note	NSS	Wiper (Note: Use Item 100)	
14	See Note	NSS	Seal, Piston (Note: Use Item 100)	
15	See Note	NSS	Ring, Wear (Note: Use Item 100)	
19	See Note	NSS	Ring, Wear (Note: Use Item 100)	
23	See Note	NSS	Seal, Environmental (Note: Use Item 100)	
25	70030391	1	Nut 1-3/4	
35		Ref	Bolt M8 x 1-1/4	
36		Ref	Plate, Shipping	
37	70030392	1	Mask, Wiper	
41		Ref	Gasket, Shipping	
45	70030393	4	Bushing	
100	70030394	1	Seal Kit (Includes Items 10, 10A, 11, 13, 14, 15, 19 & 23)	

FIGURE 9-19. CYLINDER SUB-ASSEMBLY - TILT

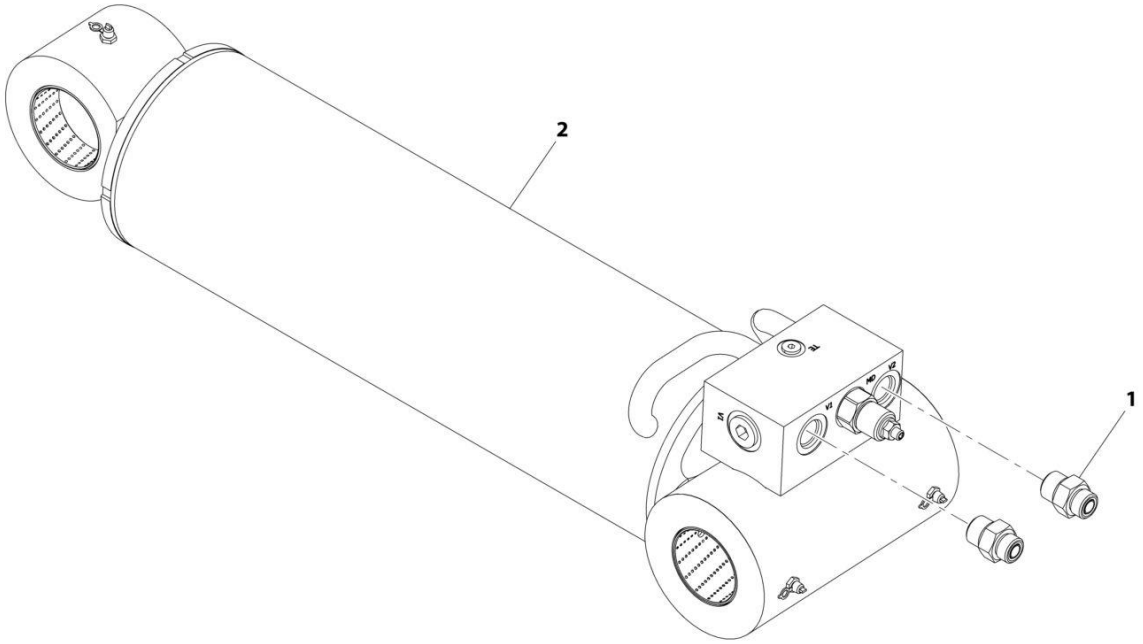


FIGURE 9-19. CYLINDER SUB-ASSEMBLY - TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184640	Ref	Tilt Cylinder Assembly	D
1	2110810	2	Fitting, Straight ORFS	
2	1001251073	Ref	Tilt Cylinder (See Separate Breakdown in this Section)	

FIGURE 9-20. CYLINDER ASSEMBLY - TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251073	Ref	CYLINDER ASSEMBLY - TILT	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	1001168038	2	Bushing	
2	1001168041	2	Bushing	
3	1001189888	1	Valve, Counterbalance	
101	SEE NOTE	NSS	Barrel (Note: Use PN 1001251073)	
102	70031339	1	Rod	
103	70031340	1	Head	
104	SEE NOTE	NSS	Wiper, Dust (Note: Use Item 201)	
105	70023379	1	Ring, Retaining	
106	See Note	NSS	Seal, Rod (Note: Use Item 201)	
107	See Note	NSS	Ring, Backup (Note: Use Item 201)	
108	See Note	NSS	Ring, Buffer (Note: Use Item 201)	
109	70026302	1	Bushing	
110	See Note	NSS	O-Ring (Note: Use Item 201)	
111	See Note	NSS	Ring, Backup (Note: Use Item 201)	
112	70031341	1	O-Ring	
113	70031342	1	Piston	
114	See Note	NSS	Seal, Piston (Note: Use Item 201)	
115	See Note	NSS	O-Ring (Note: Use Item 201)	
116	See Note	NSS	Ring, Backup (Note: Use Item 201)	
117	70022564	1	Bearing, Ball	
118	70023369	1	Set-Screw	
120	70005433	3	Plug	
121	2220883	1	Plug	
124	70029469	3	Nipple, Grease	
201	70031343	1	Seal Kit - 1001251073 Cylinder (Includes Items 104, 106-108, 110, 111 & 114-116)	

FIGURE 9-21. PUMP ASSEMBLY - PISTON

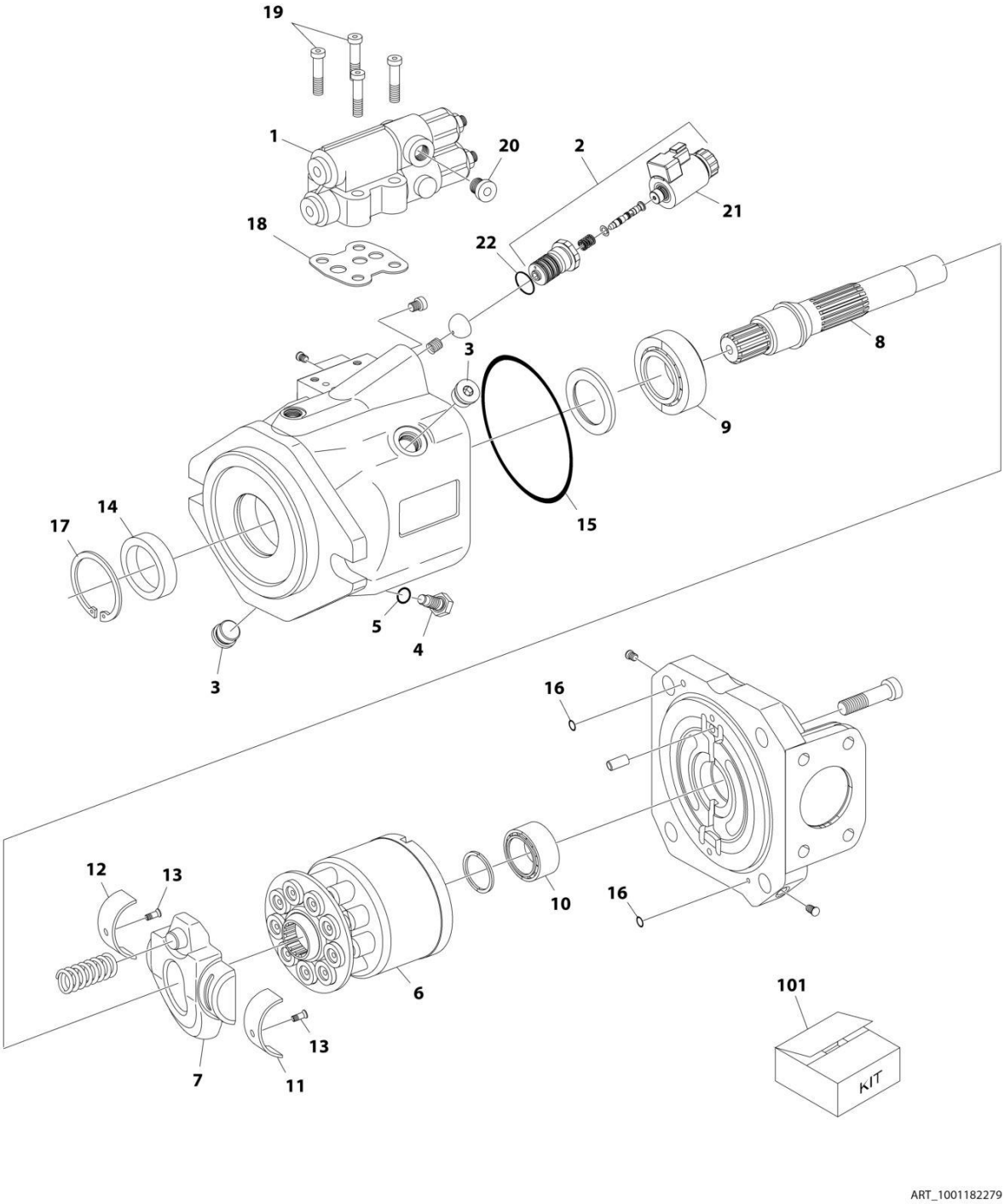


FIGURE 9-21. PUMP ASSEMBLY - PISTON

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182279	Ref	Piston Pump Assembly	B
1	70026572	1	Valve, Control	
2	70024186	1	Valve, Control (Includes Item 21)	
3	70024407	2	Plug	
4	70024408	1	Screw, Stop	
5	Kit	1	O-Ring	
6	70024188	1	Group, Rotary	
7	70026583	1	Plate, Swash	
8	7024939	1	Shaft, Drive	
9	7024943	1	Bearing, Front	
10	7024944	1	Bearing, Rear	
11	70024414	1	Liner, Bearing	
12	70024415	1	Liner, Bearing	
13	7024953	2	Screw, M5X16	
14	80634004	1	Seal, Shaft	
15	Kit	1	O-Ring	
16	Kit	2	Sing, Seal	
17	80334277	1	Ring, Safety	
18	70021867	1	Gasket	
19	7024954	4	Screw, M6X30	
20	70024416	1	Plug	
21	70025897	1	Coil (Part of Item 2)	
22	Kit	1	O-Ring	
101	70024189	1	Kit, Seal (includes items 5, 15 thru 16 & 22)	

FIGURE 9-22. HYDRAULIC TANK

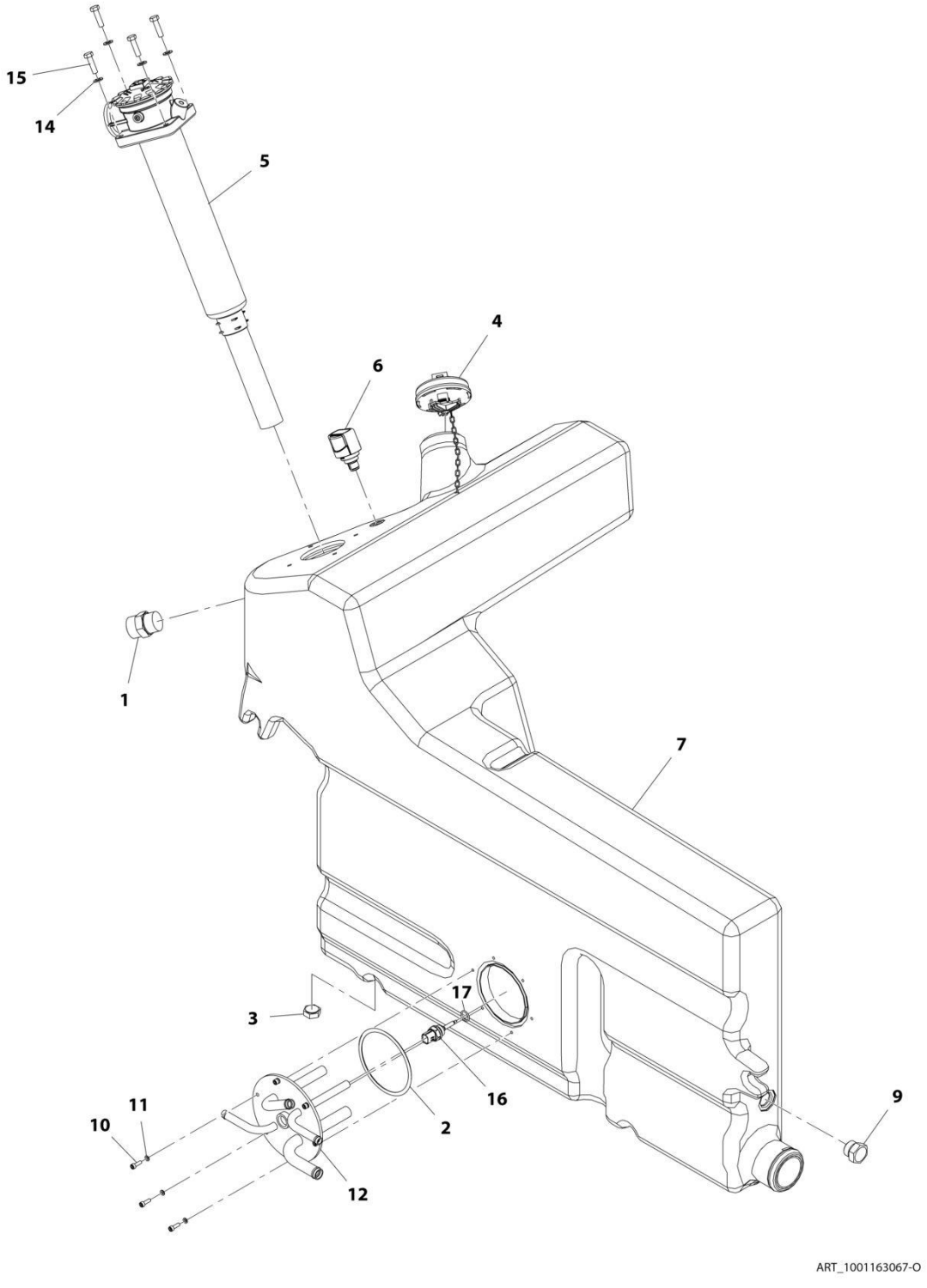


FIGURE 9-22. HYDRAULIC TANK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163067	Ref	Hydraulic Tank	O
1	2111616	1	Fitting, Straight ORFS	
2	1001003301	1	Seal O-Ring	
3	2220239	1	Plug	
4	1001194981	1	Cap	
5	1001162660	1	Filter Assembly (See Separate Breakdown in this Section)	
6	1001162662	1	Filter, Breather	
7	1001162765	1	Tank	
9	2220240	1	Adapter	
10	4031607	6	Screw, M5-0.8X16	
11	4831600	6	Washer, Lock M5	
12	1001167281	1	Manifold, Hydraulic Return	
14	4811900	4	Washer, M8	
15	0700814	4	Bolt, M8X30	
16	1001128478	1	Sensor	
17	1001009163	1	Seal	

FIGURE 9-23. HYDRAULIC TANK FILTER ASSEMBLY

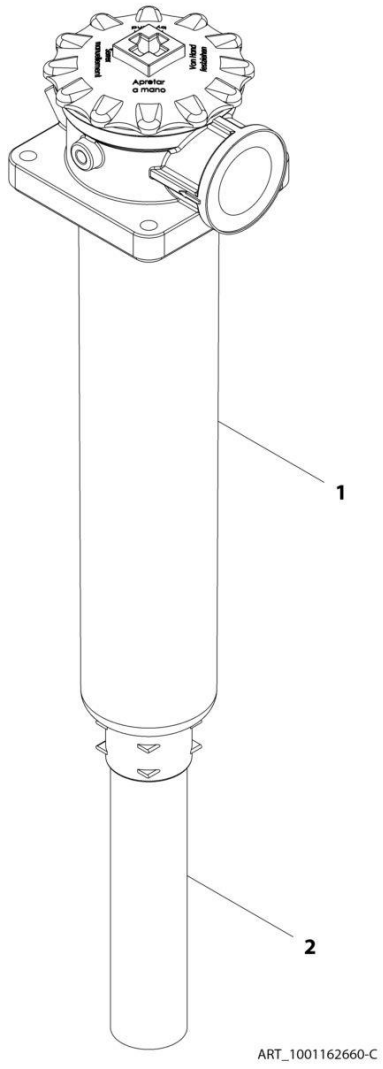
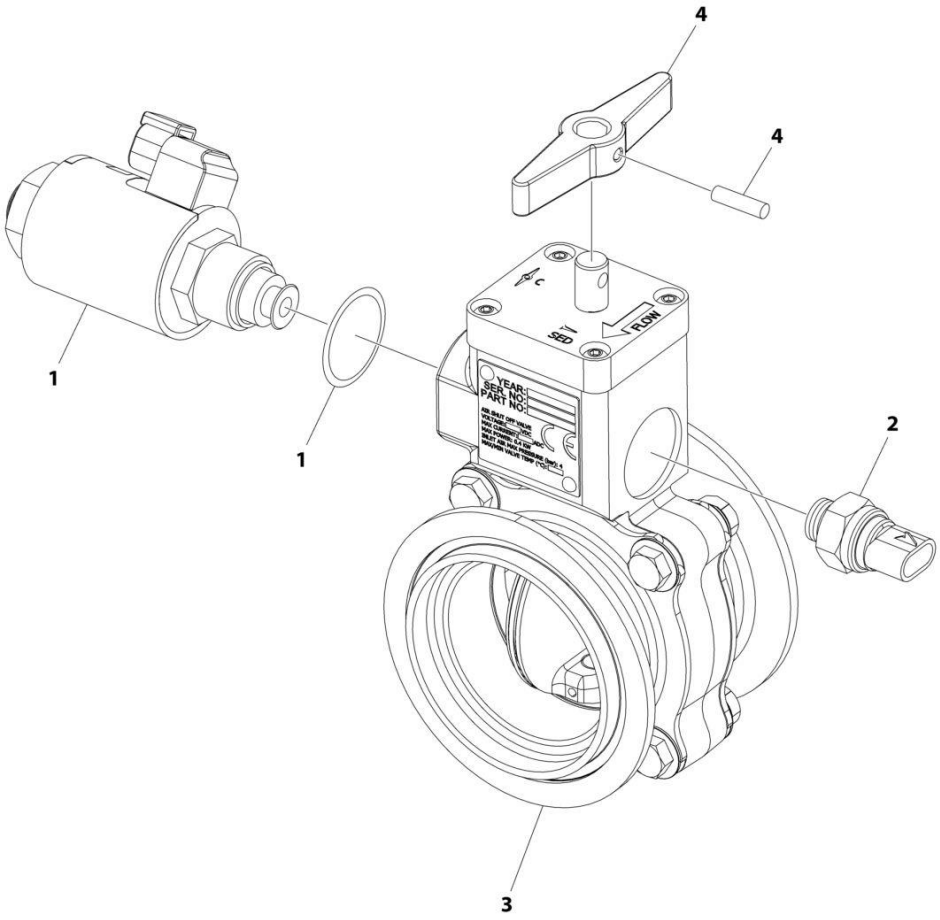


FIGURE 9-23. HYDRAULIC TANK FILTER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162660	Ref	Hydraulic Filter	C
1	1001162661	1	Filter	
	1001162663	1	Element, Filter	
2	1001162667	1	Pipe, Filter Return	

FIGURE 9-24. VALVE, AIR SHUT OFF



ART_1001204032_C

FIGURE 9-24. VALVE, AIR SHUT OFF

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

FIGURE 9-25. VALVE & FITTINGS - CARRIAGE (DUAL FORK)

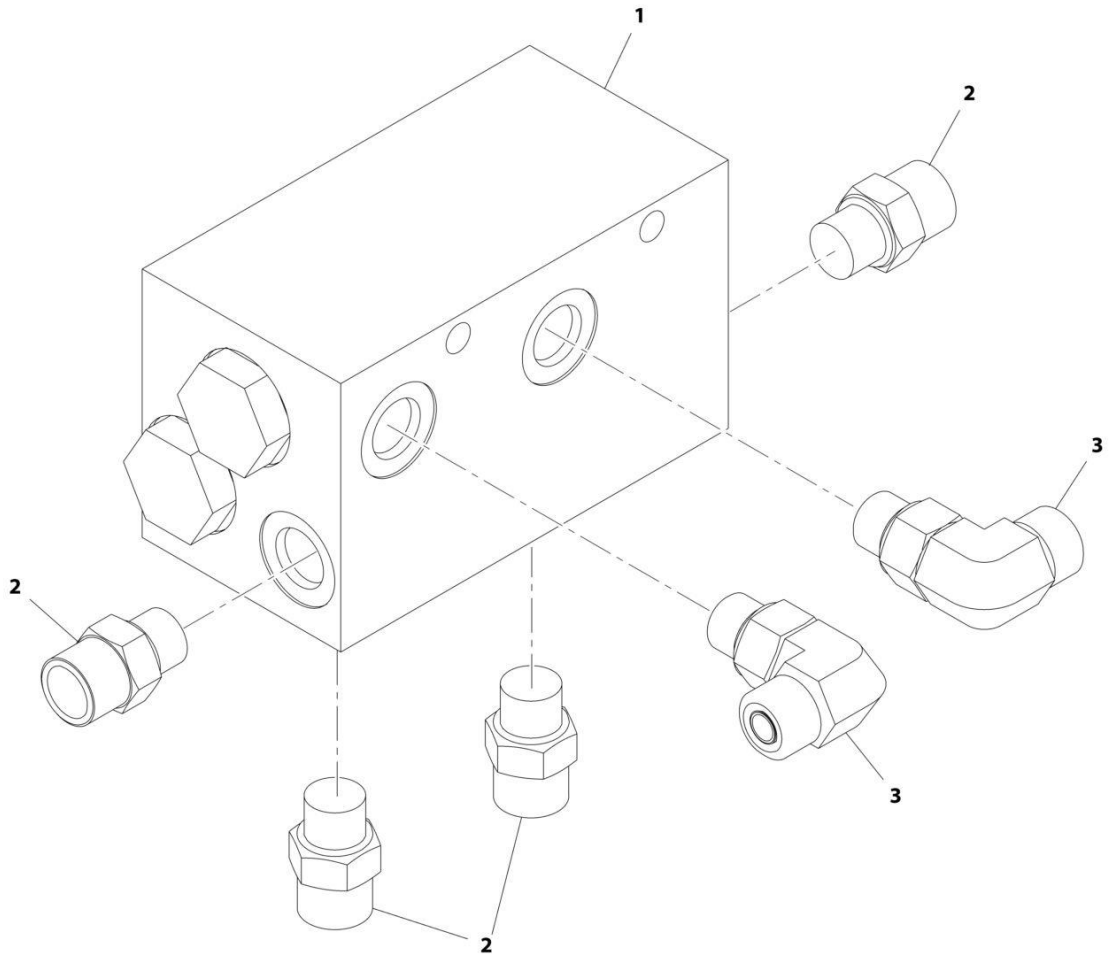


FIGURE 9-25. VALVE & FITTINGS - CARRIAGE (DUAL FORK)

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

FIGURE 9-26. VALVE - CARRIAGE DUAL FORK FLOW DIVIDER

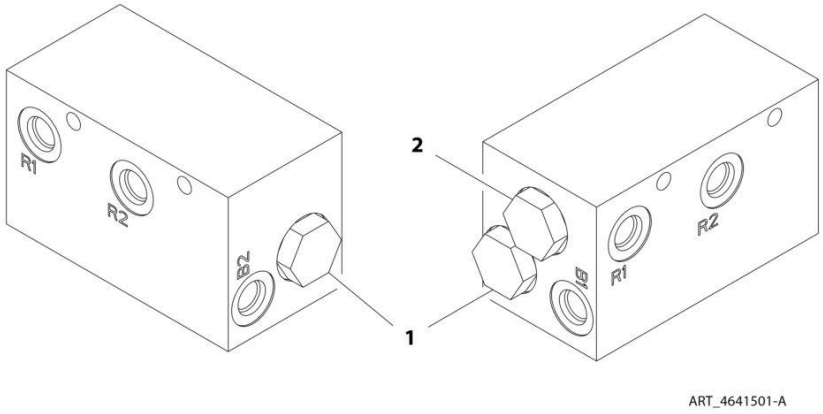


FIGURE 9-26. VALVE - CARRIAGE DUAL FORK FLOW DIVIDER

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

FIGURE 9-27. VALVE ASSEMBLY - FRAME LEVEL

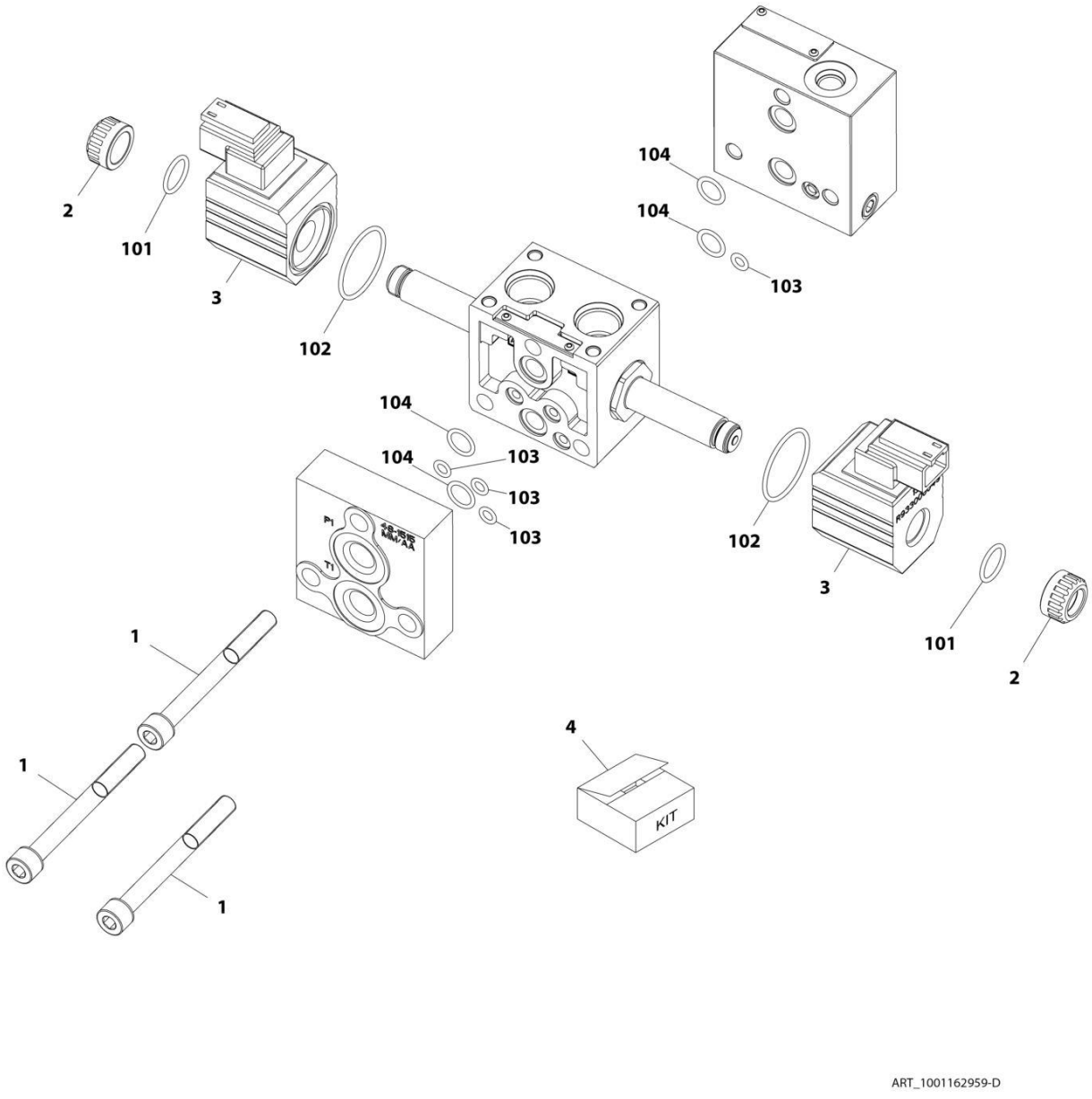


FIGURE 9-27. VALVE ASSEMBLY - FRAME LEVEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162959	Ref	Frame Level Valve	D
1	70026685	3	Screw	
2	70021209	2	Retainer	
3	70021208	2	Coil	
4	70026686	1	Kit, Seal (includes items 101 thru 104)	
101	Kit	2	O-Ring	
102	Kit	2	O-Ring	
103	Kit	4	O-Ring	
104	Kit	4	O-Ring	

FIGURE 9-28. VALVE ASSEMBLY MAIN CONTROL

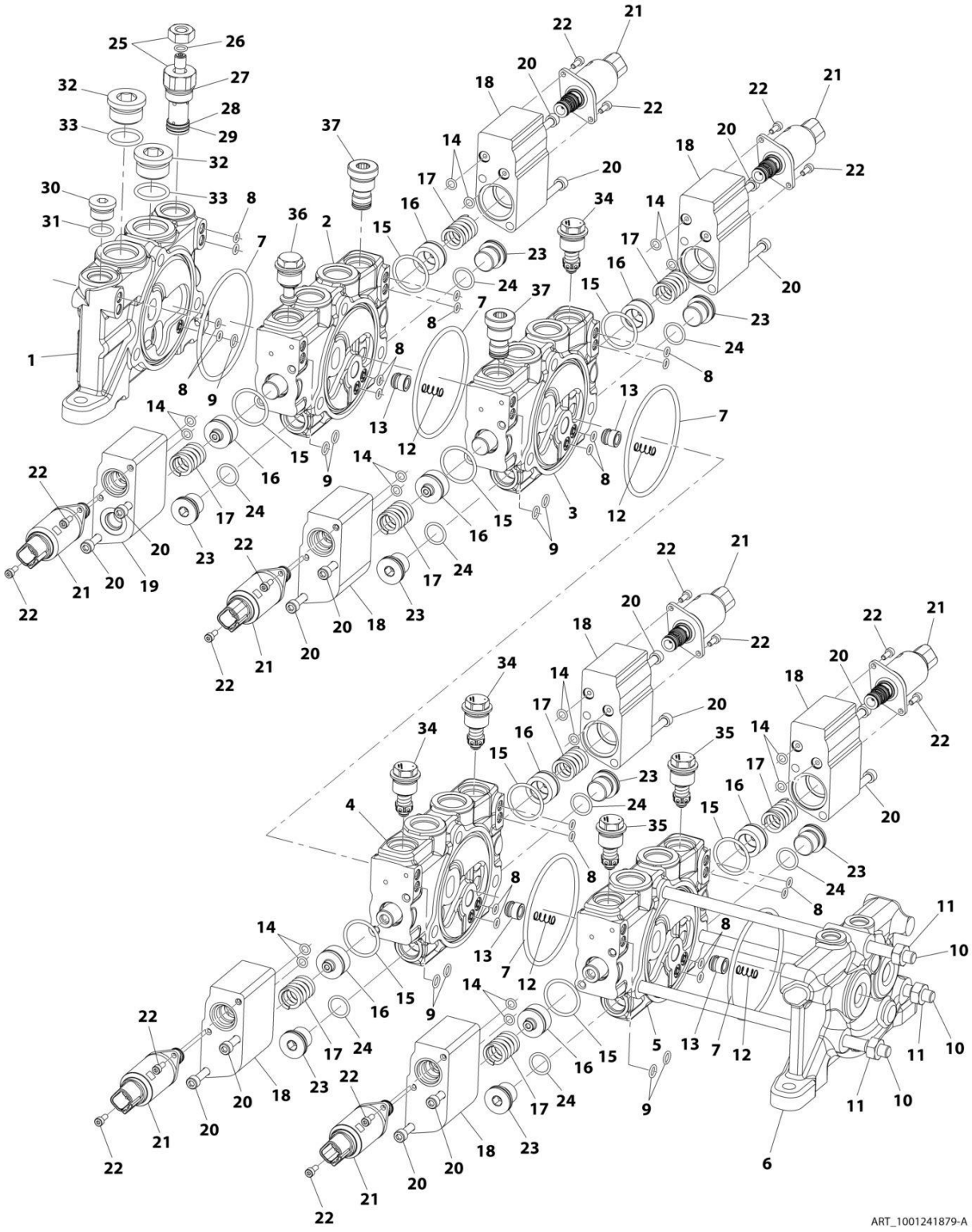
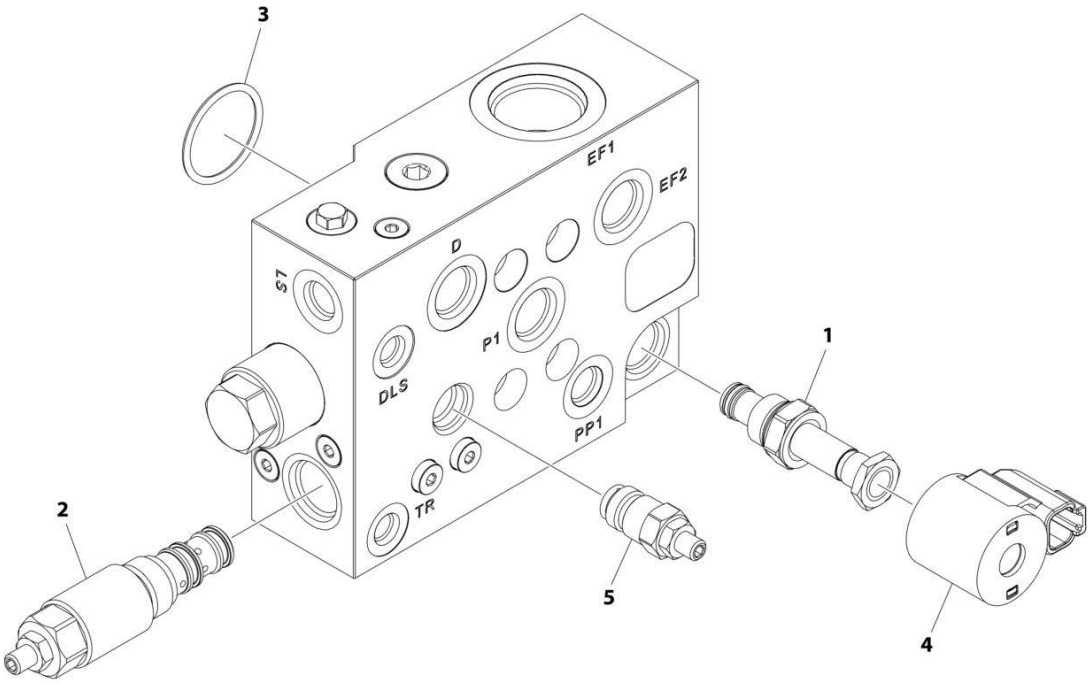


FIGURE 9-28. VALVE ASSEMBLY MAIN CONTROL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241879	Ref	Main Control Valve	A
1	70028478	1	Inlet Section Assembly	
2	70029816	1	Lift Section Assembly	
3	70029817	1	Extend/Retract Section Assembly	
4	70029818	1	Tilt Section Assembly	
5	70029819	1	Aux Section Assembly	
6	70026389	1	Outlet Section Assembly	
7	8034697	5	O-Ring	
8	70050508	20	O-Ring	
9	70050507	9	O-Ring	
10	70026375	3	Tie Rod	
11	70050481	6	Nut-Metric	
12	10837937	4	Spring	
13	10837929	4	Poppet	
14	70026369	16	O-Ring	
15	70026380	8	O-Ring	
16	70026378	8	Spring Seat	
17	70026377	8	Spring	
18	70026381	7	Solenoid, End Cap	
19	70028482	1	Solenoid, End Cap	
20	70026383	16	Screw	
21	70029820	8	Solenoid, Cartridge Valve	
22	70022014	16	Screw	
23	70050504	8	Plug Assembly	
24	70027130	8	O-Ring	
25	70022012	1	Drain Regulator Assembly	
26	70026373	1	O-Ring	
27	10837928	1	O-Ring	
28	70026376	1	Back-Up Ring	
29	70026370	1	O-Ring	
30	8035382	1	Plug Assembly	
31	70024202	1	O-Ring	
32	70050472	2	Plug Assembly (With O-Ring)	
33	70026374	2	O-Ring	
34	70022010	3	Relief Valve Assembly, 280 Bar	
35	70027098	2	Relief Valve Assembly, 205 Bar	
36	70028484	1	Anti-Void Assembly	
37	70022008	2	Shut-Off Plug Assembly	

FIGURE 9-29. VALVE ASSEMBLY - PRIORITY



ART_1001252567

FIGURE 9-29. VALVE ASSEMBLY - PRIORITY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001252567	Ref	PRIORITY MANIFOLD VALVE	D
1	70029976	1	Cartridge	
2	70029977	1	Valve, Check	
3	70030100	1	O-Ring	
4	70002963	1	Coil	
5	70030101	1	Valve, Check	

FIGURE 9-30. VALVE ASSEMBLY - QUICK COUPLER

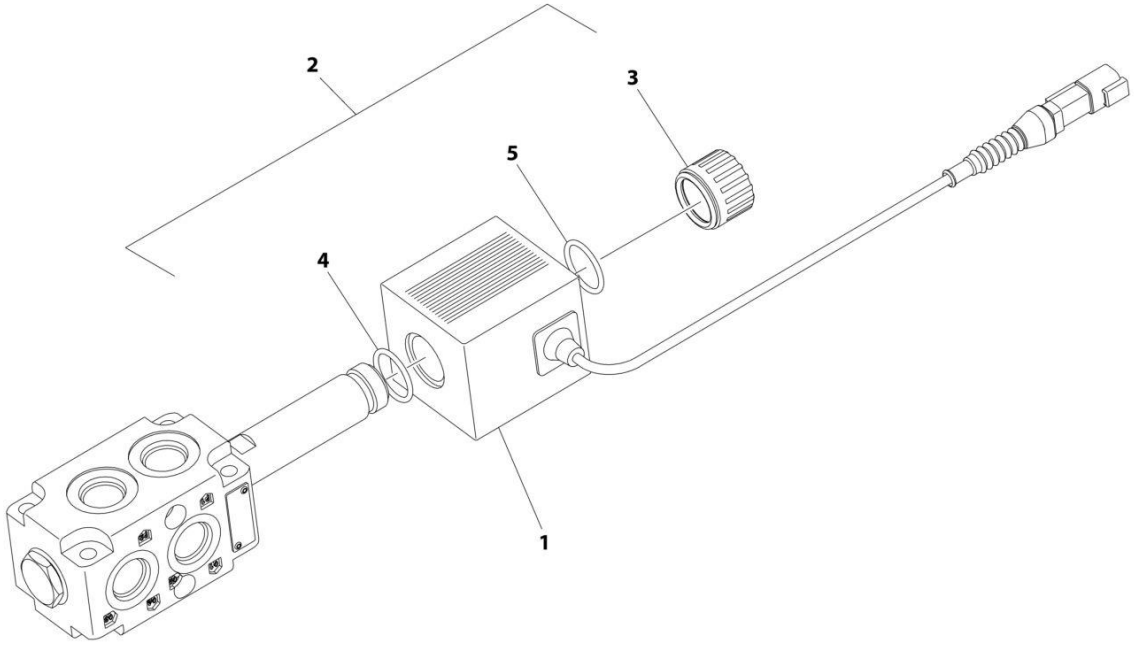


FIGURE 9-30. VALVE ASSEMBLY - QUICK COUPLER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001104477	Ref	DIVERTOR VALVE	D
1	70020764	1	Coil	
2	70021531	1	Retainer Kit (Includes Items 3-5)	
3	Kit	1	Nut	
4	Kit	1	O-Ring	
5	Kit	1	O-Ring	

FIGURE 9-31. VALVE ASSEMBLY - SAHR BRAKE

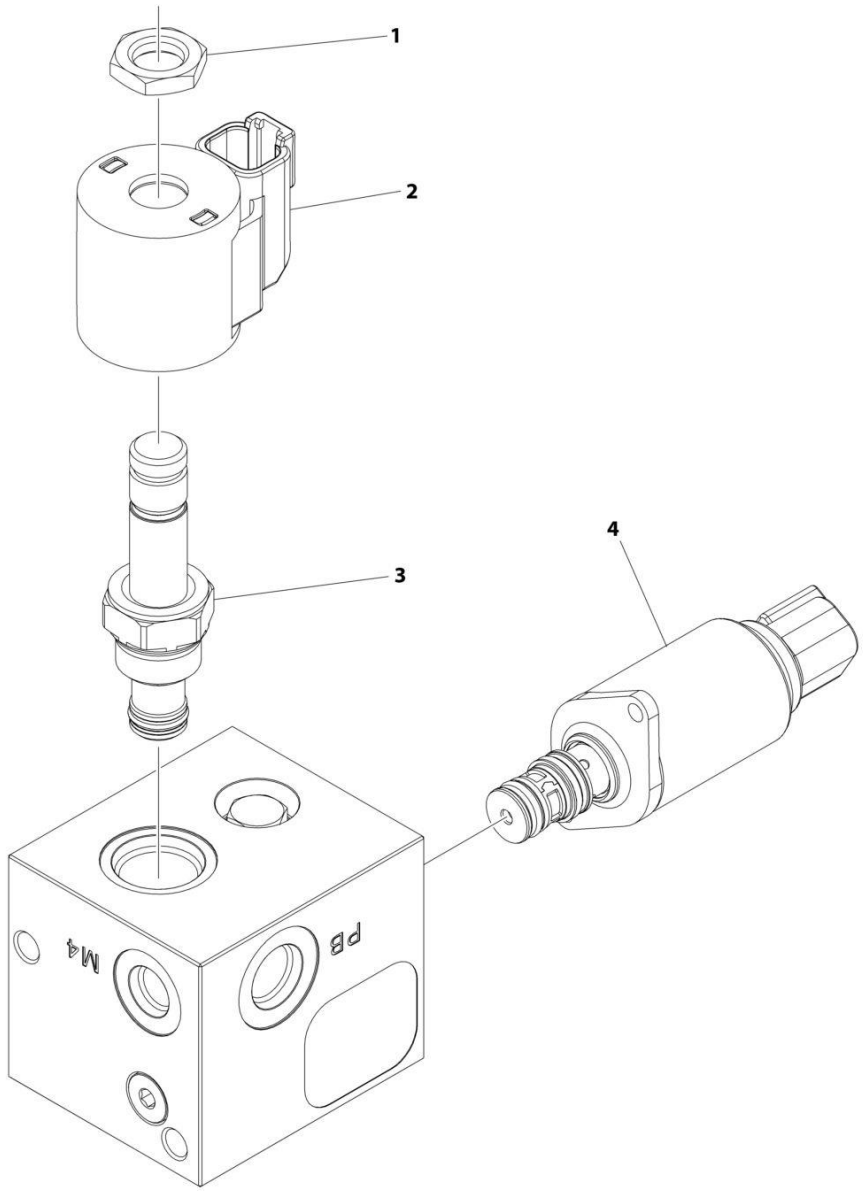


FIGURE 9-31. VALVE ASSEMBLY - SAHR BRAKE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234127	Ref	Sahr Brake Valve	C
1	7022390	1	Nut	
2	70002963	1	Coil	
3	70002955	1	Cartridge	
4	70030036	1	Solenoid Valve	

FIGURE 9-32. VALVE ASSEMBLY - STABILIZER (REAR AXLE)

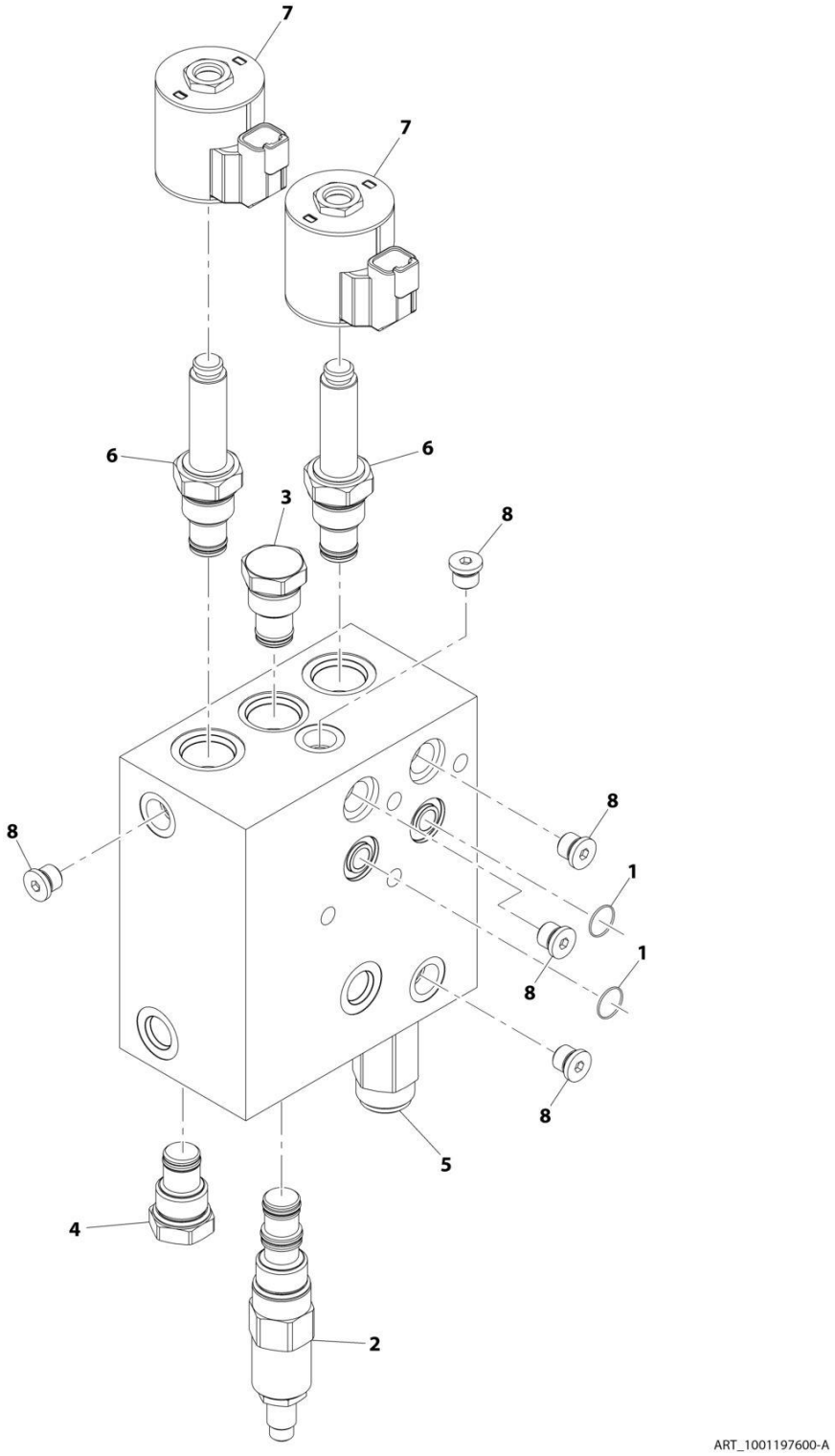


FIGURE 9-32. VALVE ASSEMBLY - STABILIZER (REAR AXLE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197600	Ref	Rear Axle Stabilizer Valve	A
1	70026440	2	O-Ring	
2	70026442	1	Cartridge Valve	
2	7012510	1	Seal Kit	
2	Kit	1	O-Ring	
2	Kit	1	O-Ring	
2	Kit	1	O-Ring	
3	70026443	1	Cartridge Valve	
3	7024808	1	Seal Kit	
3	Kit	1	O-Ring	
3	Kit	1	O-Ring	
4	70026444	1	Cartridge Valve	
4	7022399	1	Seal Kit	
4	Kit	1	O-Ring	
4	Kit	1	O-Ring	
5	70028451	1	Cartridge Valve	
5	7024808	1	Seal Kit	
5	Kit	1	O-Ring	
5	Kit	1	O-Ring	
6	70026445	2	Cartridge Valve	
6	70026446	1	Seal Kit	
6	Kit	1	O-Ring	
7	70003788	2	Coil	
8	2220883	5	Plug	

FIGURE 9-33. VALVE ASSEMBLY - STEERING

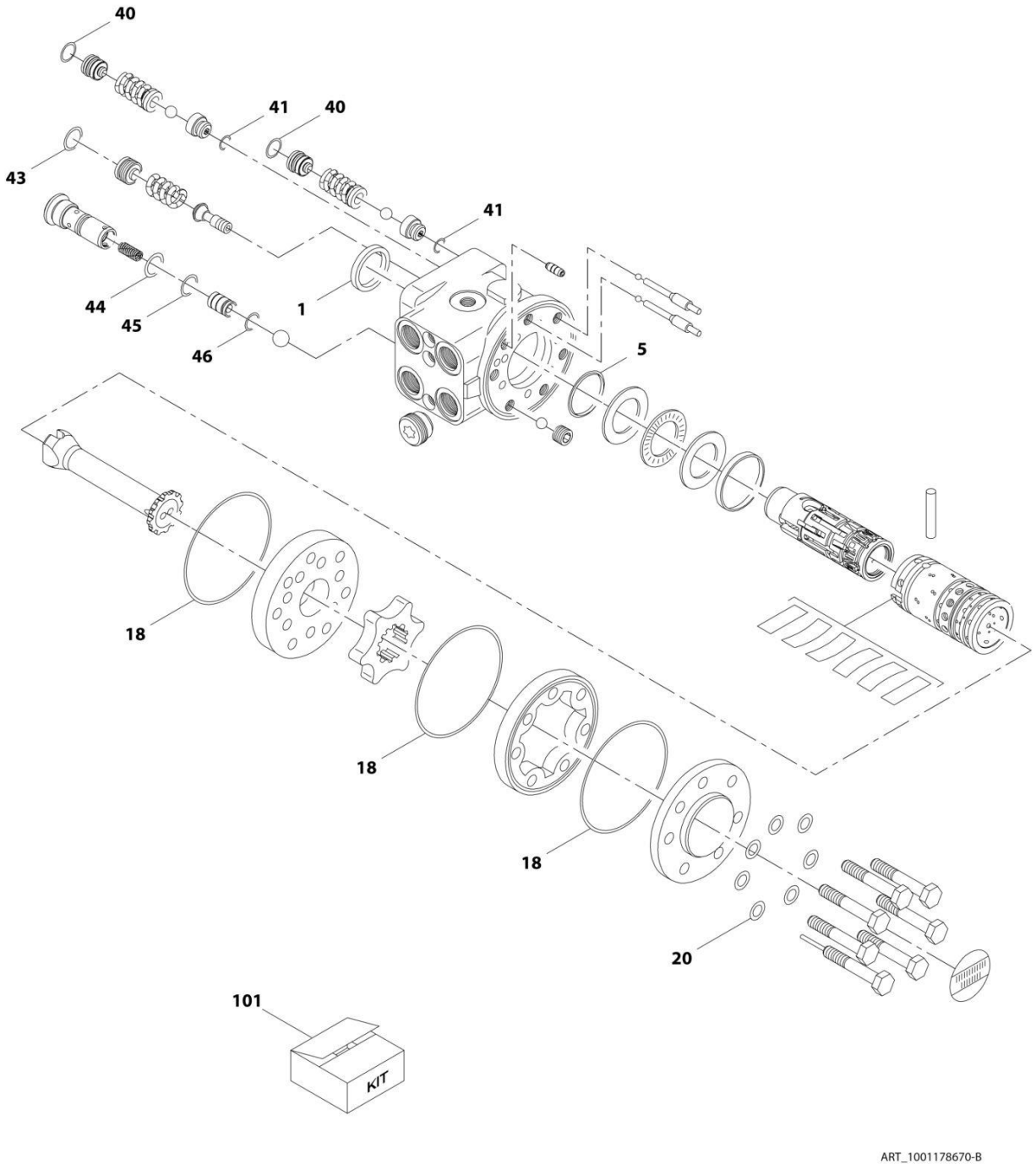


FIGURE 9-33. VALVE ASSEMBLY - STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178670	Ref	Steer Unit Valve	B
1	Kit	2	Ring, Dust Seal	
5	Kit	2	Seal, Shaft	
18	Kit	2	O-Ring	
20	Kit	2	Washer	
40	Kit	2	O-Ring	
41	Kit	2	O-Ring	
43	Kit	2	O-Ring	
44	Kit	2	O-Ring	
45	Kit	2	O-Ring	
46	Kit	2	O-Ring	
101	70028285	1	Kit, Seal (includes items 1, 5, 18, 20, 40, 41 and 43 thru 46)	

FIGURE 9-34. VALVE ASSEMBLY - STEERING ORBITAL

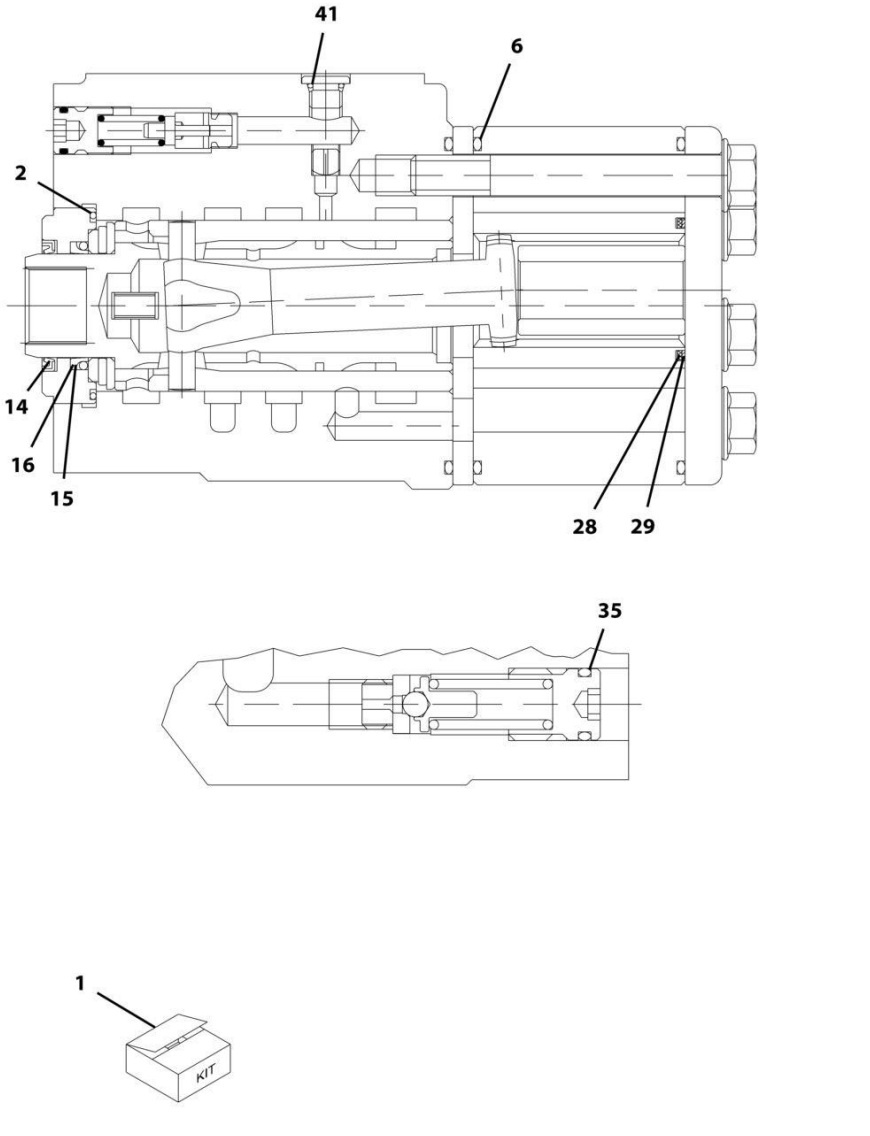
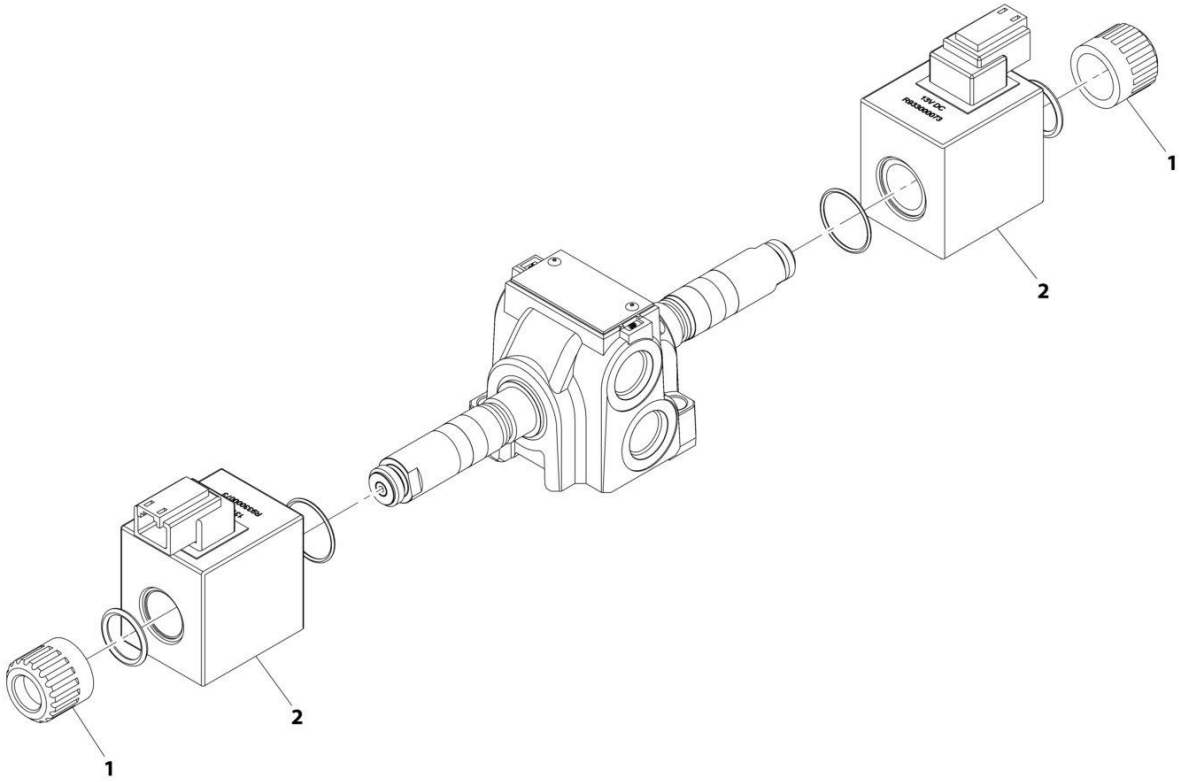


FIGURE 9-34. VALVE ASSEMBLY - STEERING ORBITAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158527	1	Steering Orbital Valve	E
1	70026401	1	Kit, Seal (includes items 2 thru 41)	
2	Kit	1	O-Ring	
6	Kit	3	O-Ring	
14	Kit	1	Seal, Dust	
15	Kit	1	O-Ring	
16	Kit	1	Seal, Shaft	
28	Kit	1	Washer, Back-Up	
29	Kit	1	Seal, Ring	
35	Kit	3	O-Ring	
41	Kit	2	O-Ring	

FIGURE 9-35. VALVE ASSEMBLY - STEERING SELECT



ART_1001153748-C

FIGURE 9-35. VALVE ASSEMBLY - STEERING SELECT

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

SECTION 10 - ELECTRICAL

FIGURE 10-1. MAIN ELECTRICAL INSTALLATION (ULS) (74 HP)

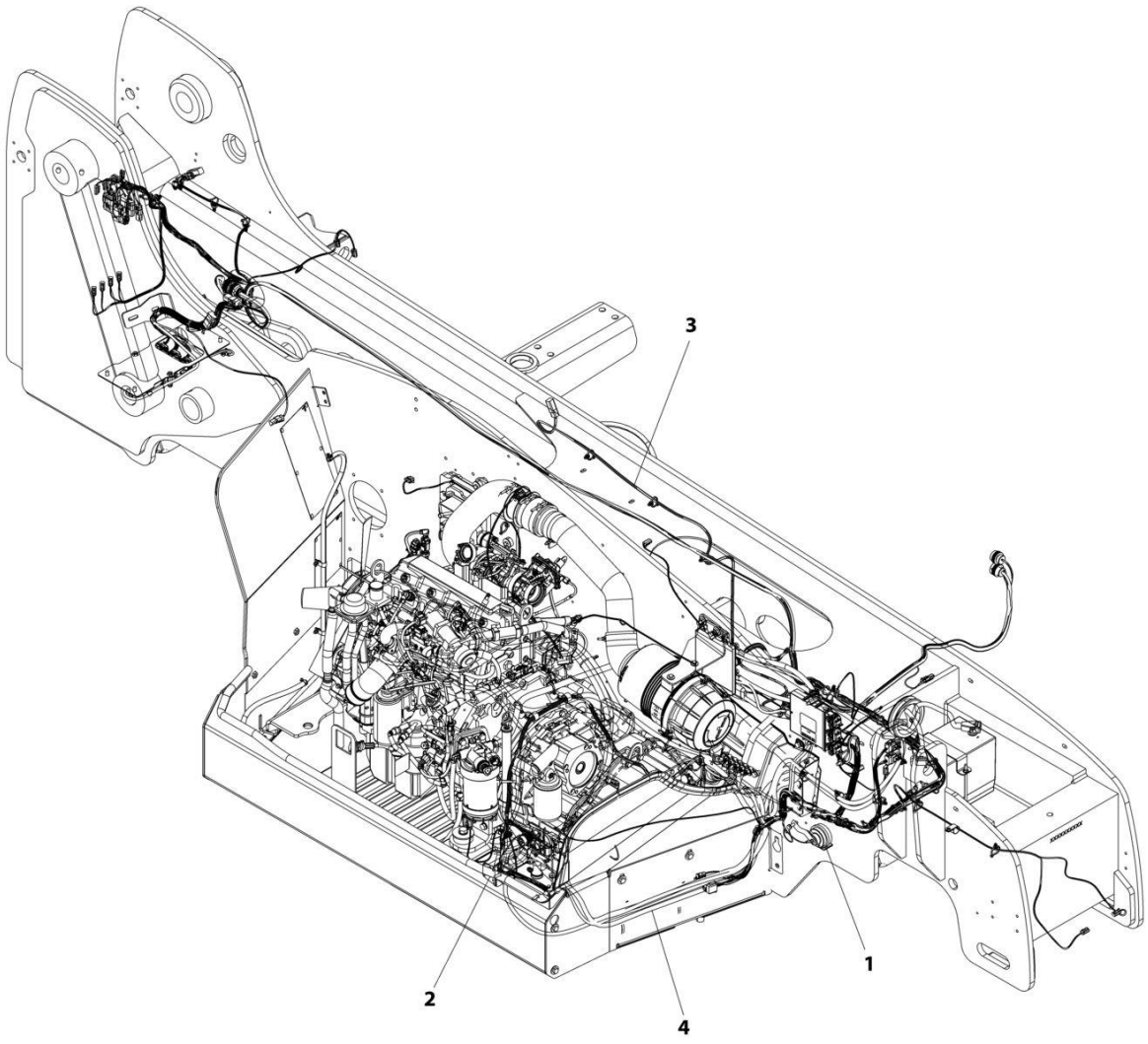


FIGURE 10-1. MAIN ELECTRICAL INSTALLATION (ULS) (74 HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225986	Ref	Main Electrical Installation (ULS) (74 HP)	B
1	1001167051	Ref	Installation, Electrical Frame (See Separate Breakdown in this Section)	
2	1001173765	Ref	Installation, Engine Bay Electrical (See Separate Breakdown in this Section)	
3	1001225987	Ref	Installation, Wiring Frame (See Separate Breakdown in this Section)	
4	1001227963	Ref	Installation, Engine Bay Wiring (See Separate Breakdown in this Section)	

FIGURE 10-2. MAIN ELECTRICAL INSTALLATION - 110HP (ULS)

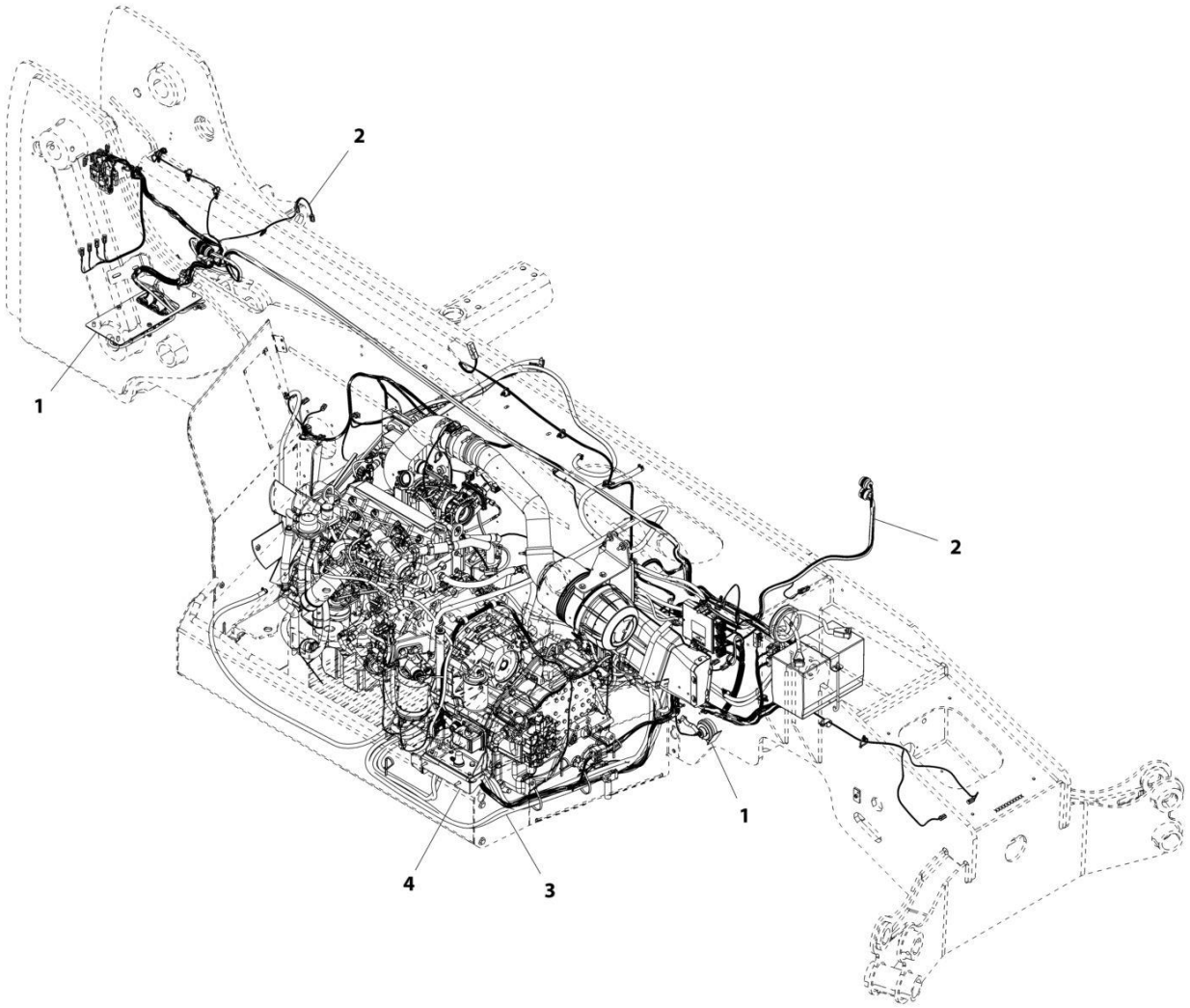


FIGURE 10-2. MAIN ELECTRICAL INSTALLATION - 110HP (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167050	Ref	Main Electrical Installation (ULS)	C
1	1001167051	Ref	Installation, Electrical Frame (See Separate Breakdown in this Section)	
2	1001173530	Ref	Installation, Frame Wiring (ULS) (See Separate Breakdown in this Section)	
3	1001173531	Ref	Installation, Engine Bay Wiring (ULS) (See Separate Breakdown in this Section)	
4	1001163127	Ref	Installation, Engine Bay Electrical (See Separate Breakdown in this Section)	

FIGURE 10-3. MAIN ELECTRICAL INSTALLATION - 110HP (LS)

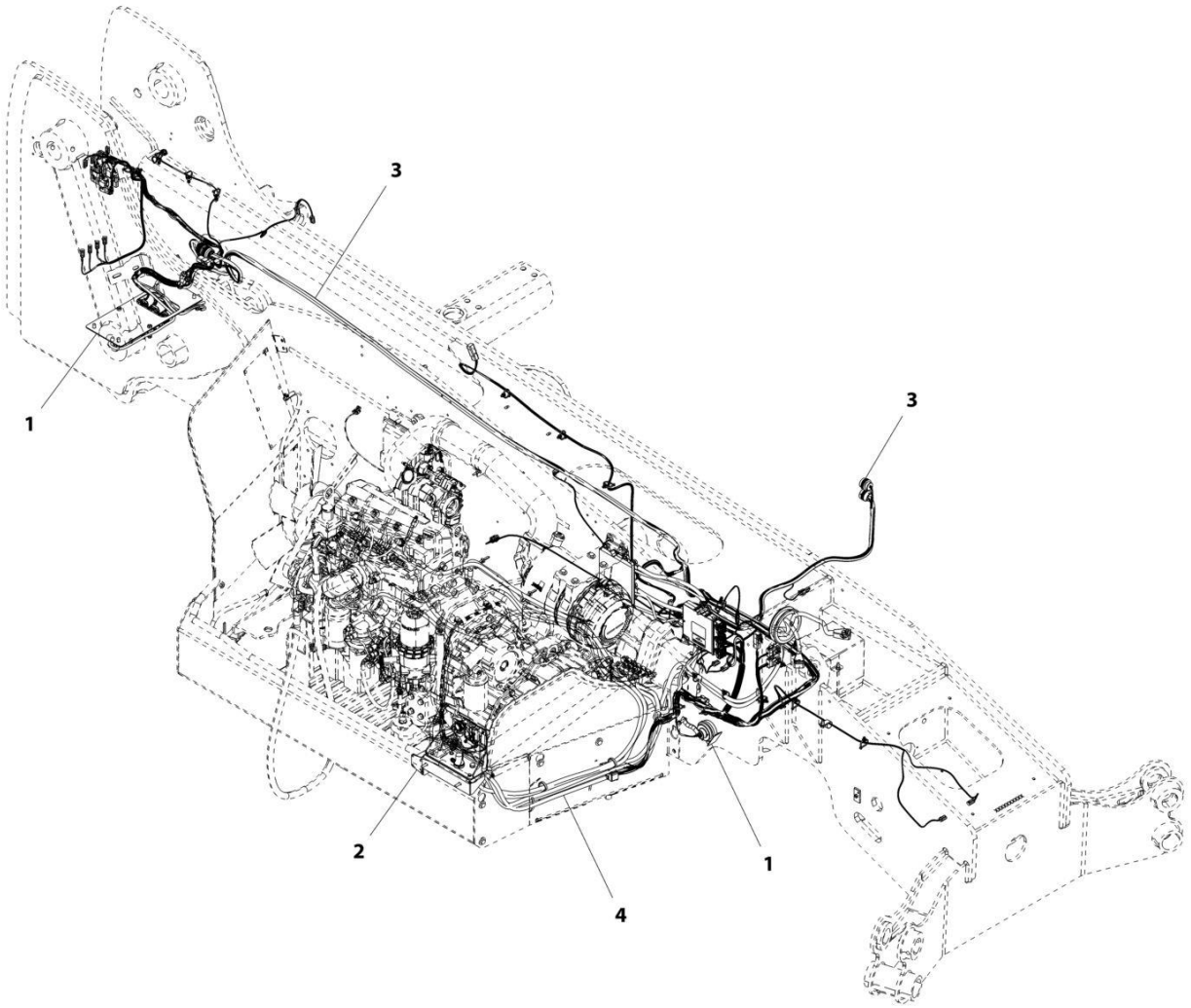


FIGURE 10-3. MAIN ELECTRICAL INSTALLATION - 110HP (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192303	Ref	Main Electrical Installation (LS)	A
1	1001167051	Ref	Installation, Electrical Frame (See Separate Breakdown in this Section)	
2	1001173765	Ref	Installation, Engine Bay Electrical (See Separate Breakdown in this Section)	
3	1001192305	Ref	Installation, Frame Wiring (LS) (See Separate Breakdown in this Section)	
4	1001193171	Ref	Installation, Engine Bay Wiring (See Separate Breakdown in this Section)	

FIGURE 10-4. A/C OPTION HARNESS

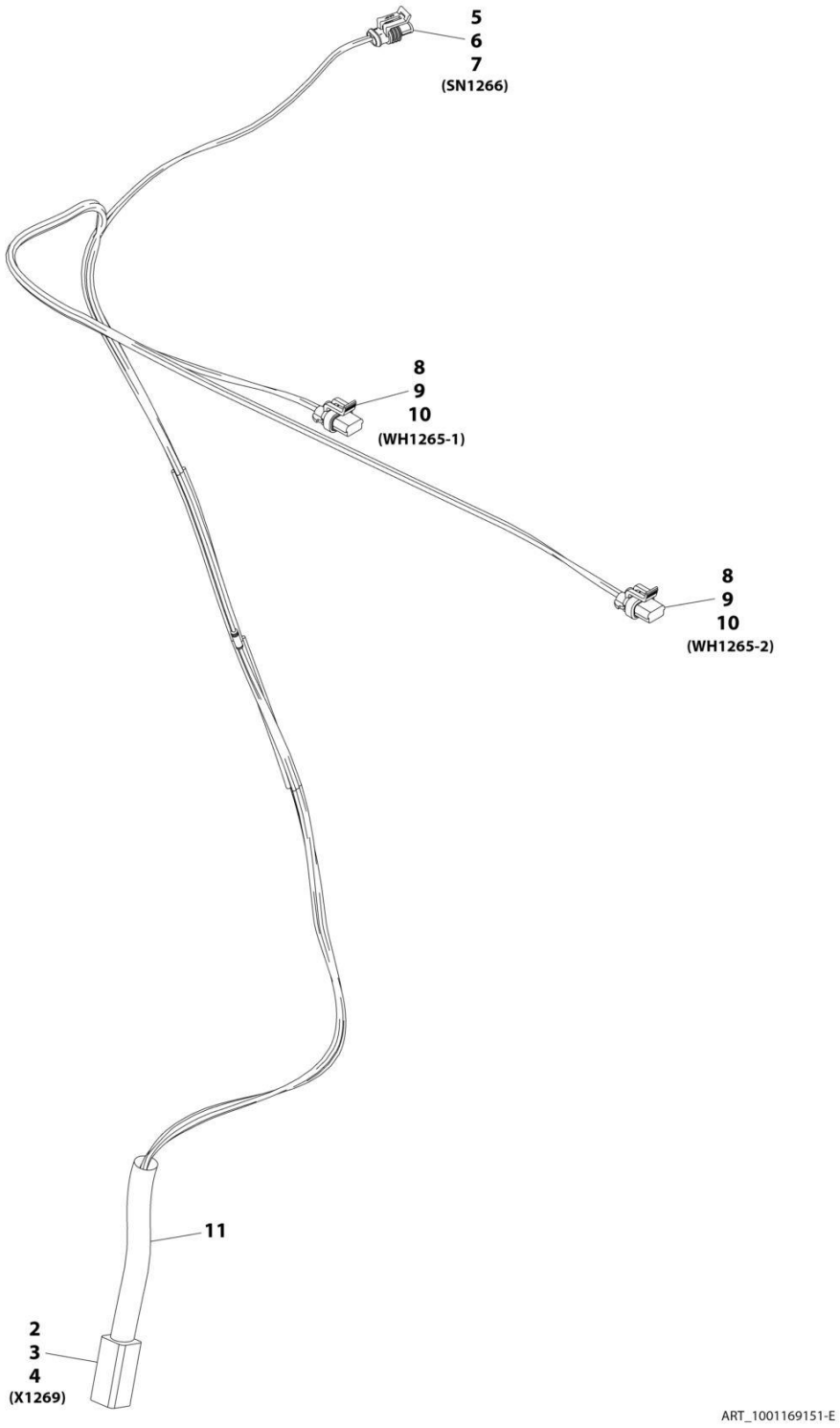


FIGURE 10-4. A/C OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169151	Ref	A/C Option Harness	F
2	4460899	1	Connector	
3	4460941	4	Terminal	
4	4460464	2	Terminal	
5	4461118	1	Connector	
6	1001107854	2	Terminal	
7	1001116763	2	Seal	
8	1001117021	2	Connector	
9	1001116747	4	Terminal	
10	4460789	4	Seal	
11	70028546	1	Backshell	

FIGURE 10-5. AIR SHUT OFF VALVE HARNESS - CAB

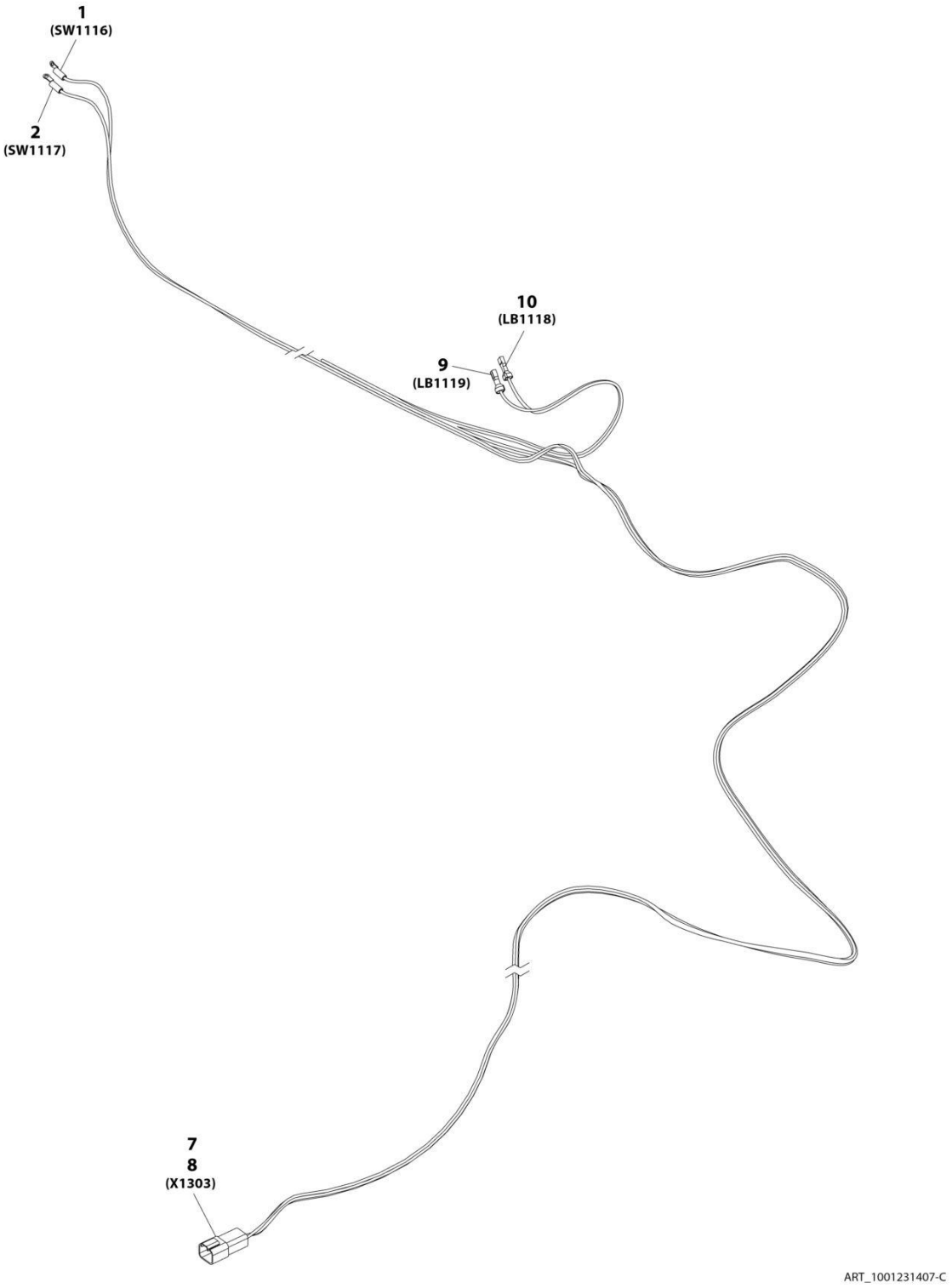


FIGURE 10-5. AIR SHUT OFF VALVE HARNESS - CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231407	1	Air Shutoff Valve Harness	C
1	8220035	1	Terminal, Ring	
2	8220035	1	Terminal, Ring	
7	4460932	1	Connector	
8	4460464	4	Pin	
9	8220108	1	Connector, Female	
10	8220108	1	Connector, Female	

FIGURE 10-6. AIR SHUT OFF VALVE HARNESS - ENGINE

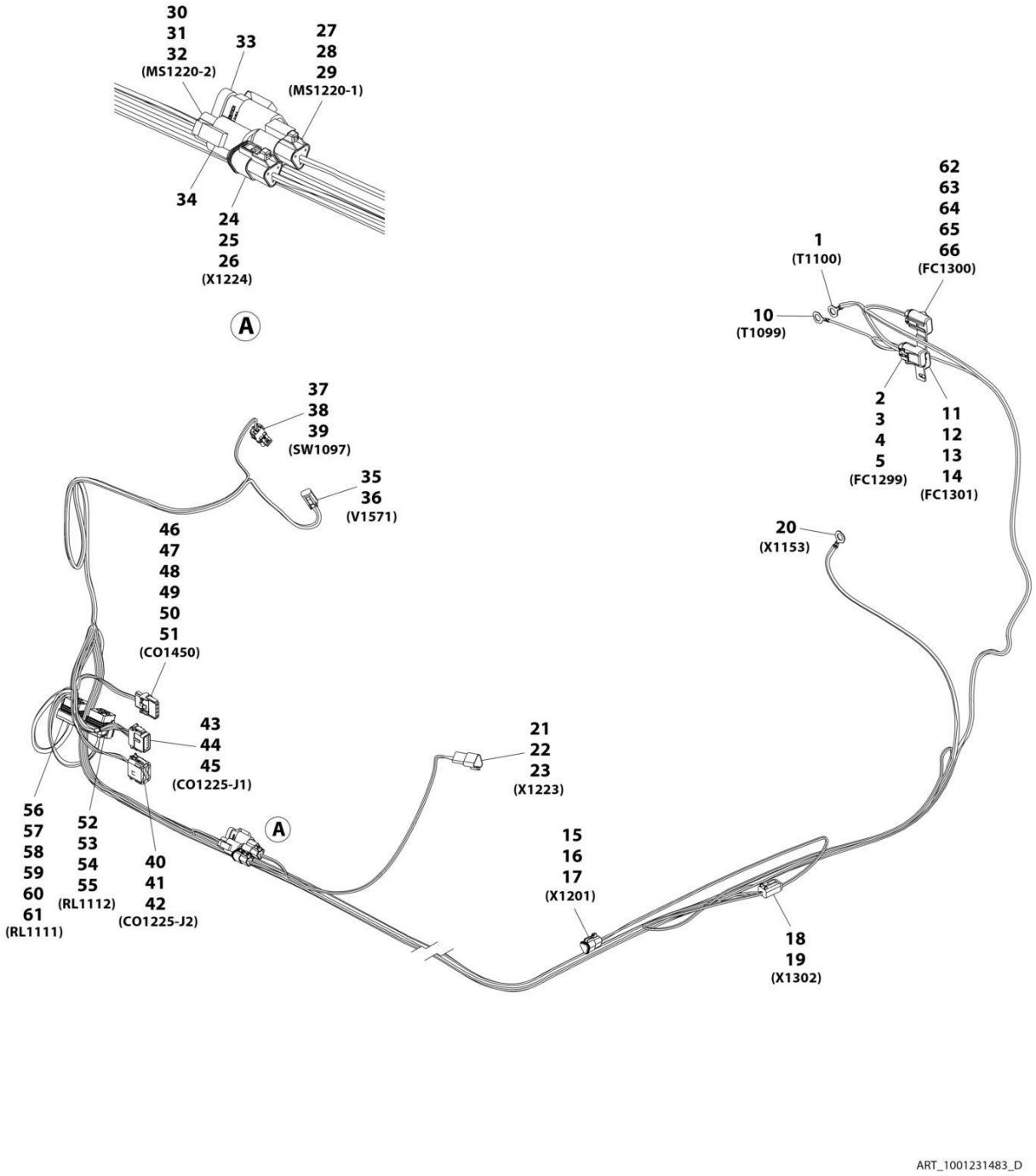


FIGURE 10-6. AIR SHUT OFF VALVE HARNESS - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231483	Ref	Air Shut Off Valve Harness (Engine)	D
1	1001187079	1	Terminal, Ring	
2	1001231397	1	Connector	
3	8229235	1	Fuse, 20amp	
4	1001231401	2	Terminal	
5	1001230402	2	Seal	
10	1001187078	1	Terminal, Ring	
11	1001231397	1	Connector	
12	8229261	1	Fuse, 5amp	
13	1001231400	2	Terminal	
14	1001230403	2	Seal	
15	1001116812	1	Connector	
16	4460465	2	Terminal	
17	4460466	1	Plug	
18	4460884	1	Connector	
19	4460465	4	Terminal	
20	1001187079	1	Terminal, Ring	
21	1001144147	1	Connector	
22	4460464	2	Terminal	
23	4460466	1	Plug	
24	1001116812	1	Connector	
25	4460465	2	Terminal	
26	4460466	1	Plug	
27	1001116812	1	Connector	
28	4460465	2	Terminal	
29	4460466	1	Plug	
30	4460539	1	Connector	
31	4460465	2	Terminal	
32	4460466	1	Plug	
33	1001116815	1	Connector, 3 Pin	
34	4460945	1	Terminal, 3 Way "T" Receptacle	
35	4460891	1	Connector	
36	1001157890	2	Terminal	
37	4460742	1	Connector	
38	4460475	2	Terminal	
39	4460458	2	Plug	
40	1001116774	1	Connector	
41	4460518	8	Plug	
42	1001126008	4	Terminal	
43	1001116808	1	Connector	
44	1001126008	9	Terminal	
45	4460518	3	Plug	
46	4460761	1	Connector	
47	4460321	1	Terminal	
48	1001118378	4	Terminal	
49	4460809	4	Plug	
50	1001143551	1	Seal	
51	1001218358	1	Lanyard Rope	
52	1001231398	1	Connector	
53	1001231400	4	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	1001231404	4	Seal	
55	1001231406	1	Plug	
56	1001231398	1	Connector	
57	1001231401	2	Terminal	
58	1001231402	2	Seal	
59	1001231400	2	Terminal	
60	1001231404	2	Seal	
61	1001231406	1	Plug	
62	1001231397	1	Connector	
63	8229234	1	Fuse, 10amp	
64	1001231400	2	Terminal	
65	1001230403	1	Seal	
66	1001230404	1	Seal	

FIGURE 10-7. ALARM INSTALLATION - BACK UP (97DB)

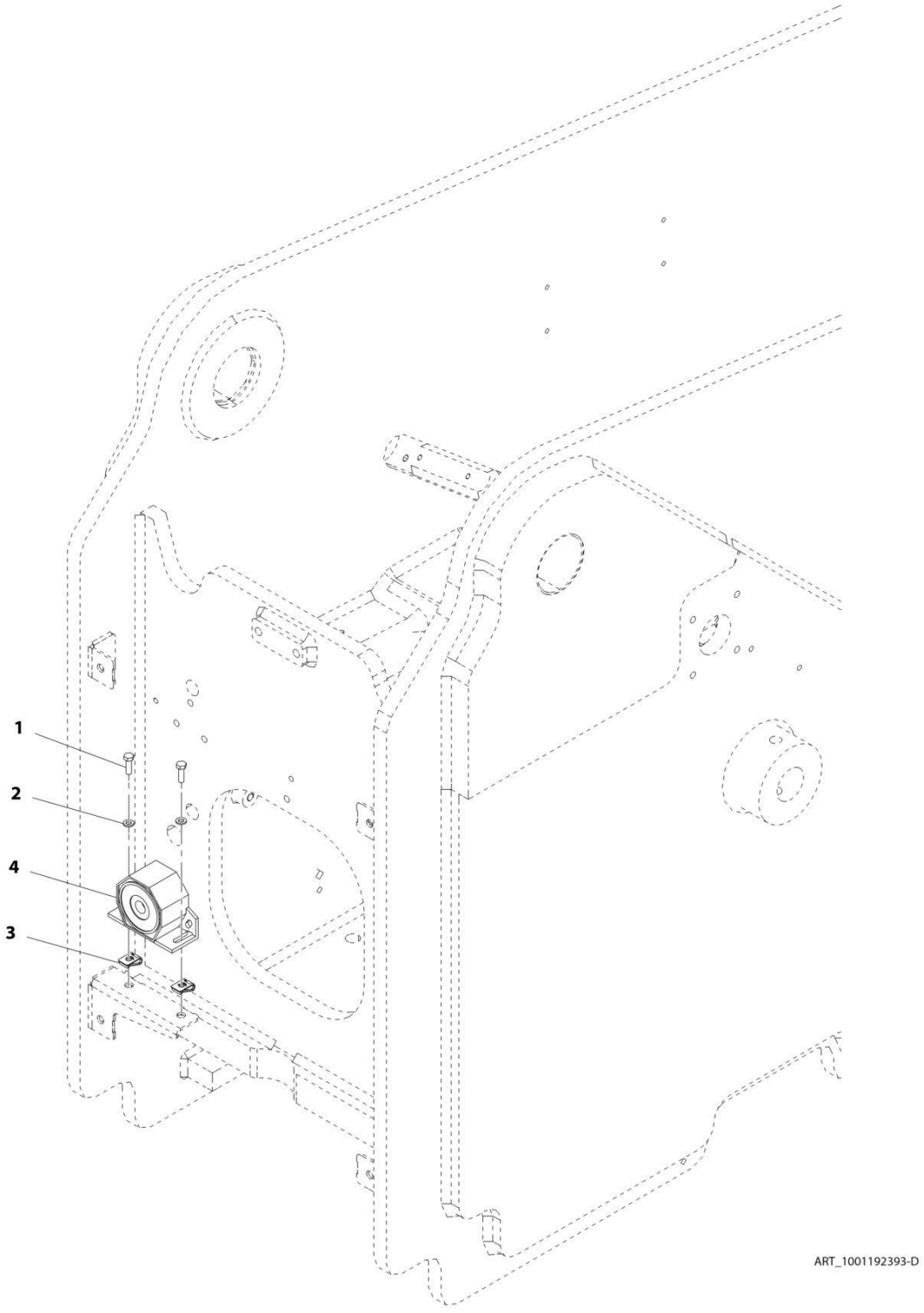


FIGURE 10-7. ALARM INSTALLATION - BACK UP (97DB)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192393	Ref	Backup Alarm Installation (97 dB)	D
1	0700610	2	Bolt, M6X20	
2	4811702	2	Washer, M6	
3	8305919	2	Nut, M6	
4	1001101808	1	Alarm, Backup	

FIGURE 10-8. ALARM INSTALLATION - BACK UP (120DB)

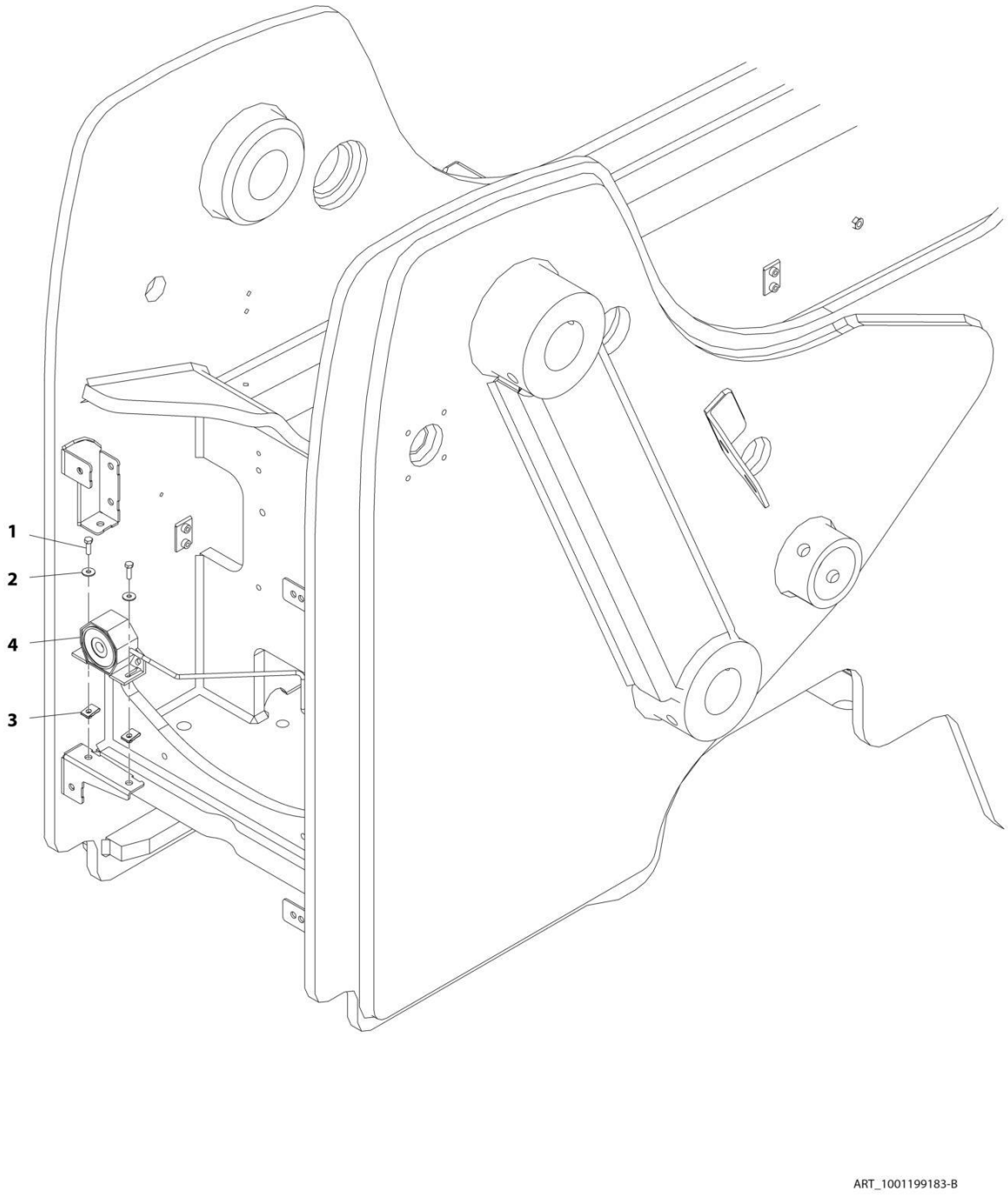


FIGURE 10-8. ALARM INSTALLATION - BACK UP (120DB)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001199183	Ref	Backup Alarm Installation (120 dB)	B
1	0700610	2	Bolt, M6X20	
2	4811702	2	Washer, M6	
3	1001130220	2	Nut, M6	
4	1001147060	1	Alarm, Backup	

FIGURE 10-9. ALARM INSTALLATION - BACK UP (WHITE NOISE)

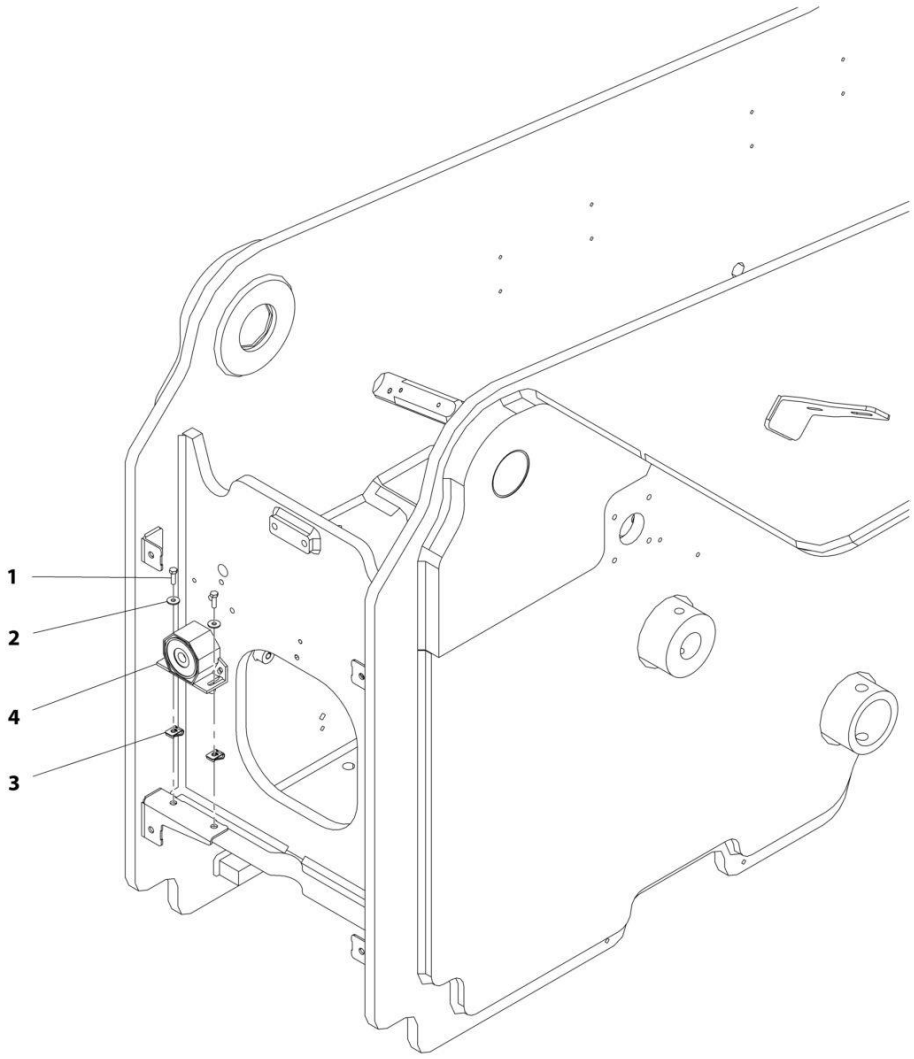


FIGURE 10-9. ALARM INSTALLATION - BACK UP (WHITE NOISE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192394	Ref	White Noise Backup Alarm Installation	D
1	0700610	2	Bolt, M6X20	
2	4811702	2	Washer, M6	
3	8305919	2	Nut, M6	
4	1001165827	1	Alarm, White Noise Backup	

FIGURE 10-10. ARCTIC COLD WEATHER PACKAGE INSTALLATION (74HP) (ULS)

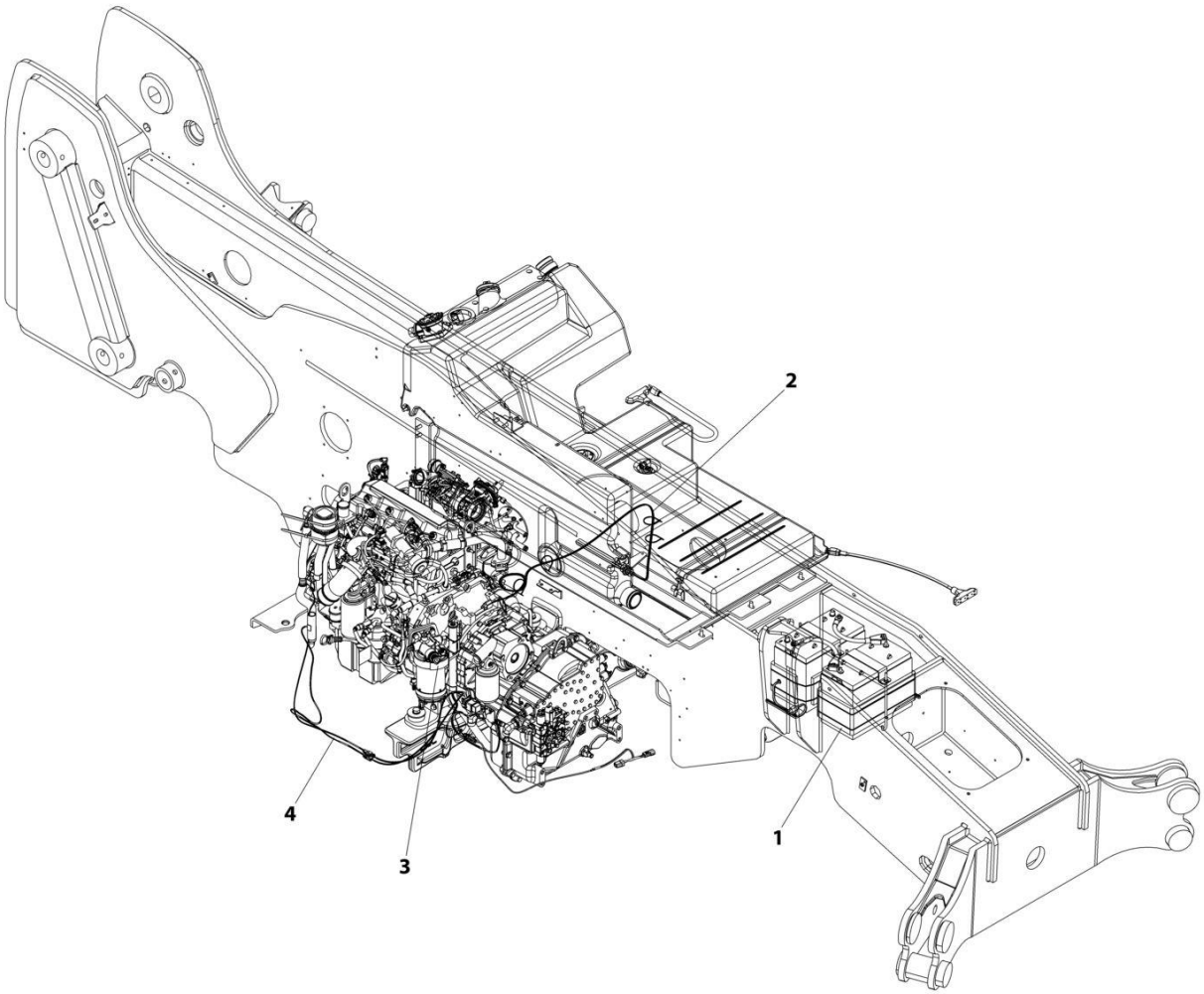


FIGURE 10-10. ARCTIC COLD WEATHER PACKAGE INSTALLATION (74HP) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237209	Ref	Arctic Weather Package Installation - 74 HP (ULS)	B
1	1001190670	Ref	Installation, Arctic Batteries (See Separate Breakdown in this Section)	
2	1001190671	Ref	Installation, Hydraulic Tank Heater (See Separate Breakdown in this Section)	
3	1001204095	Ref	Installation, Fuel Filter Heater (See Separate Breakdown in this Section)	
4	1001237208	Ref	Heater, Breather - 74 HP (See Engine And Attaching Parts for Breakdown)	

FIGURE 10-11. ARCTIC COLD WEATHER PACKAGE INSTALLATION (110HP) (ULS)

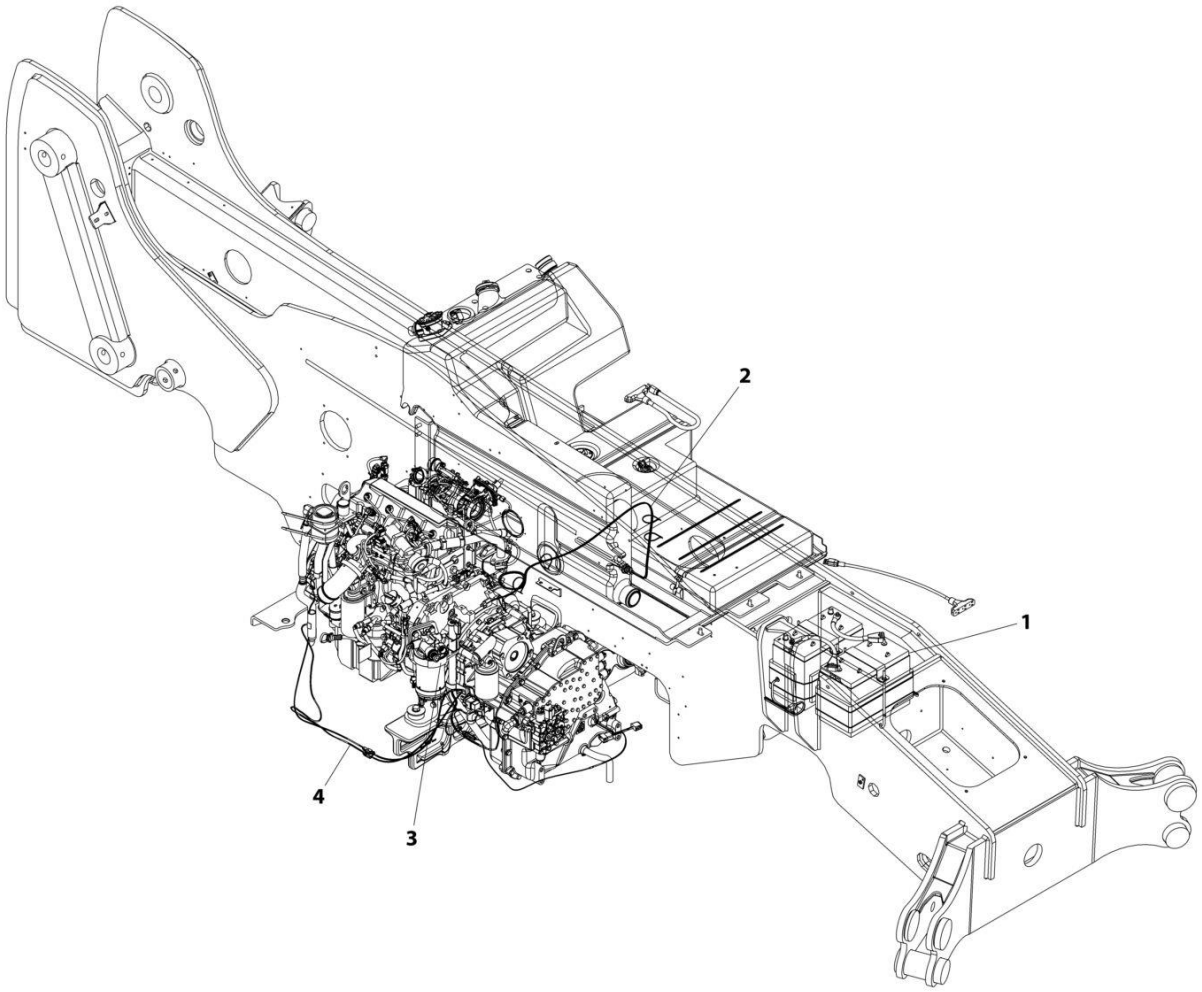


FIGURE 10-11. ARCTIC COLD WEATHER PACKAGE INSTALLATION (110HP) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190179	Ref	Arctic Weather Package Installation - 110 HP (ULS)	E
1	1001190670	Ref	Installation, Arctic Batteries (See Separate Breakdown in this Section)	
2	1001190671	Ref	Installation, Tank Heater (See Separate Breakdown in this Section)	
3	1001204095	Ref	Installation, Fuel Filter Heater (See Separate Breakdown in this Section)	
4	1001232751	Ref	Heater, Breather - 110 HP (See Separate Breakdown in this Section)	

FIGURE 10-12. ARCTIC COLD WEATHER PACKAGE INSTALLATION (110HP) (LS)

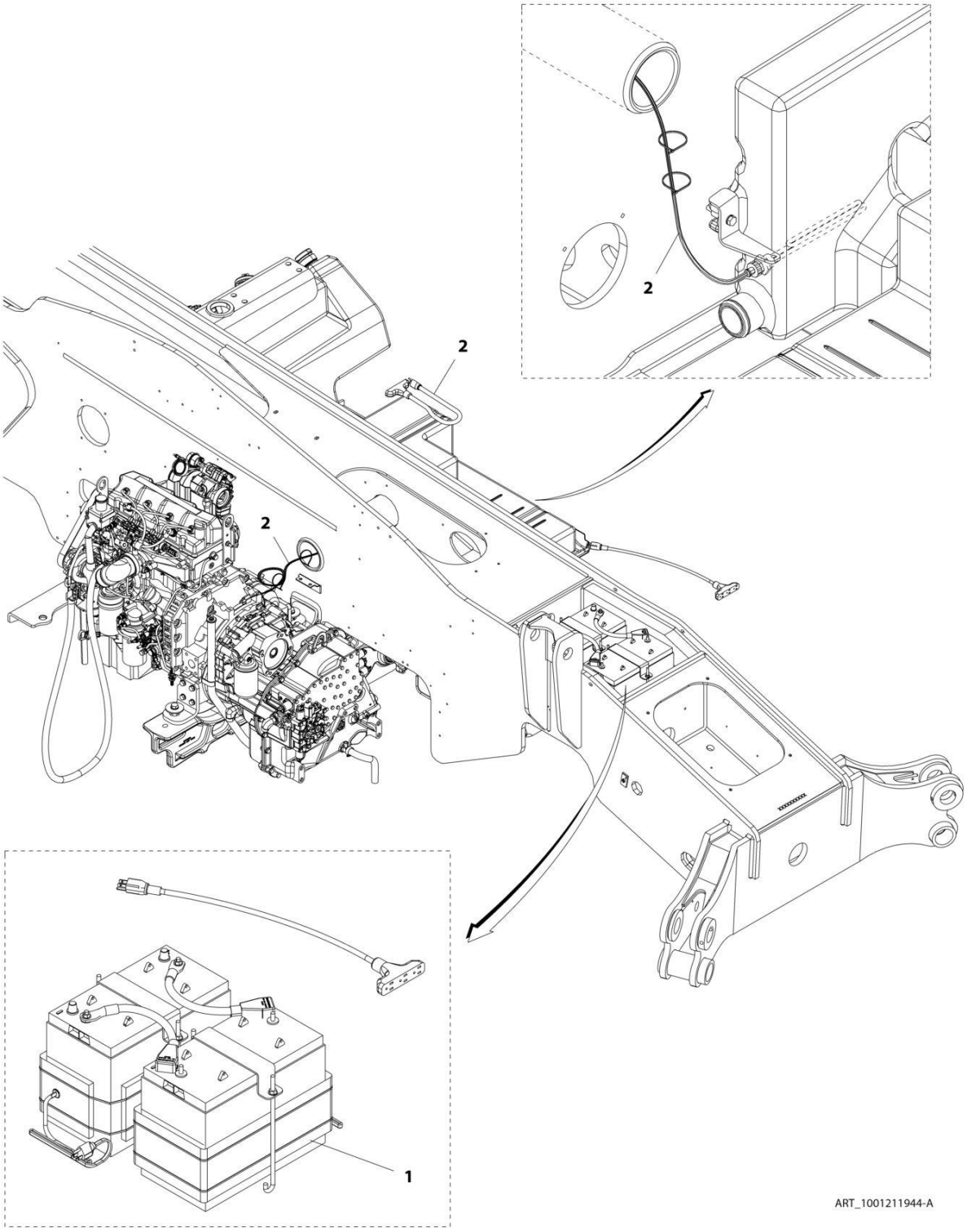


FIGURE 10-12. ARCTIC COLD WEATHER PACKAGE INSTALLATION (110HP) (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211944	Ref	Arctic Weather Package Installation (LS)	A
1	1001190670	Ref	Installation, Arctic Batteries (See Separate Breakdown in this Section)	
2	1001190671	Ref	Installation, Tank Heater (See Separate Breakdown in this Section)	

FIGURE 10-13. BATTERY INSTALLATION

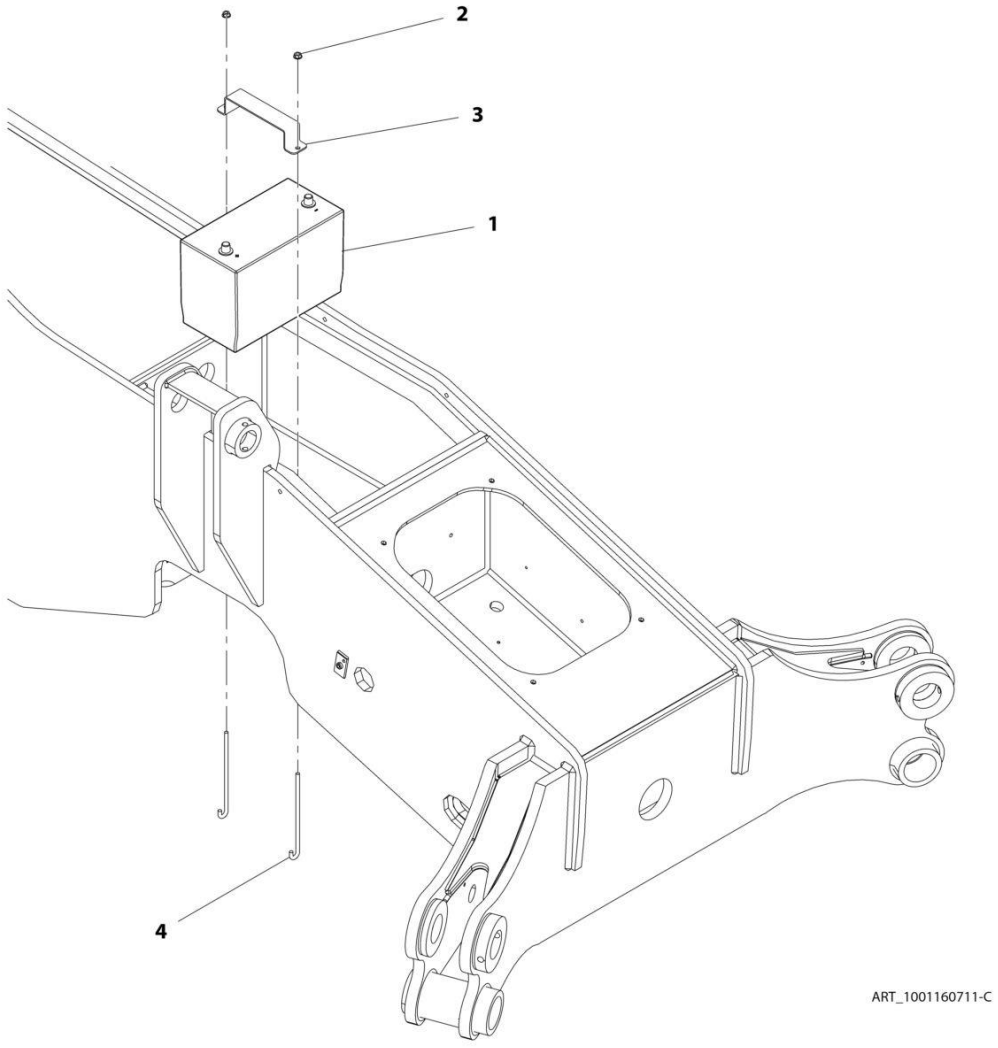


FIGURE 10-13. BATTERY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160711	Ref	Battery Installation	C
1	0400075	1	Battery, 12V	
2	5220800	2	Nut, M8	
3	1001160927	1	Plate	
4	1001181961	2	J-Bolt	

FIGURE 10-14. BATTERY INSTALLATION - ARCTIC PACKAGE

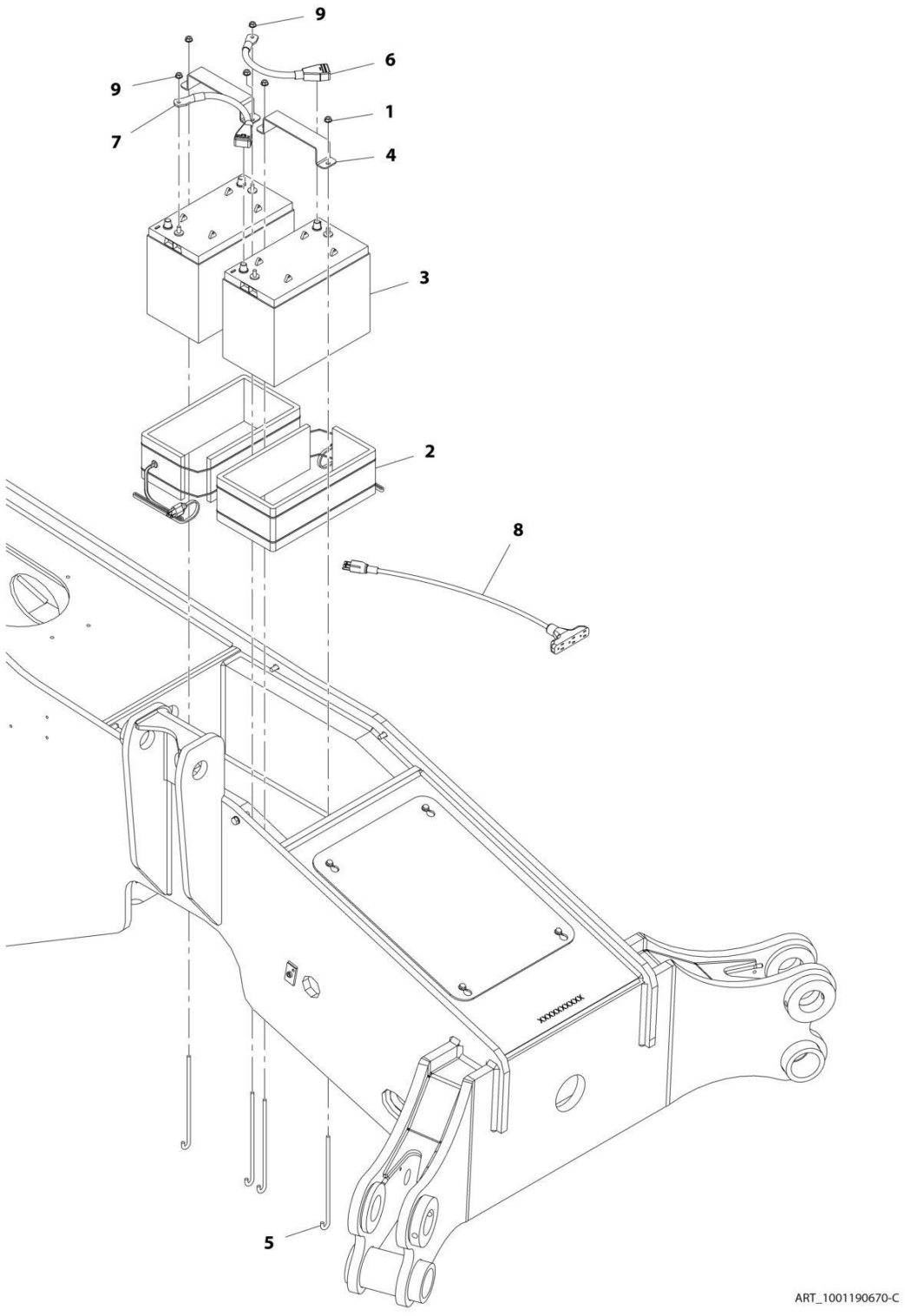


FIGURE 10-14. BATTERY INSTALLATION - ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190670	Ref	Artic Batteries Installation	C
1	5220800	4	Nut, M8	
2	1001093564	2	Heater, Battery	
3	1001098762	2	Battery, 12V	
4	1001160927	2	Plate	
5	1001160928	4	J-Bolt	
6	1001172495	1	Cable	
7	1001172496	1	Cable	
8	1060626	1	Cord, 3-Way Extension	
9	3311508	2	Nut	

FIGURE 10-15. BOOM ANGLE SENSOR INSTALLATION (STANDARD)

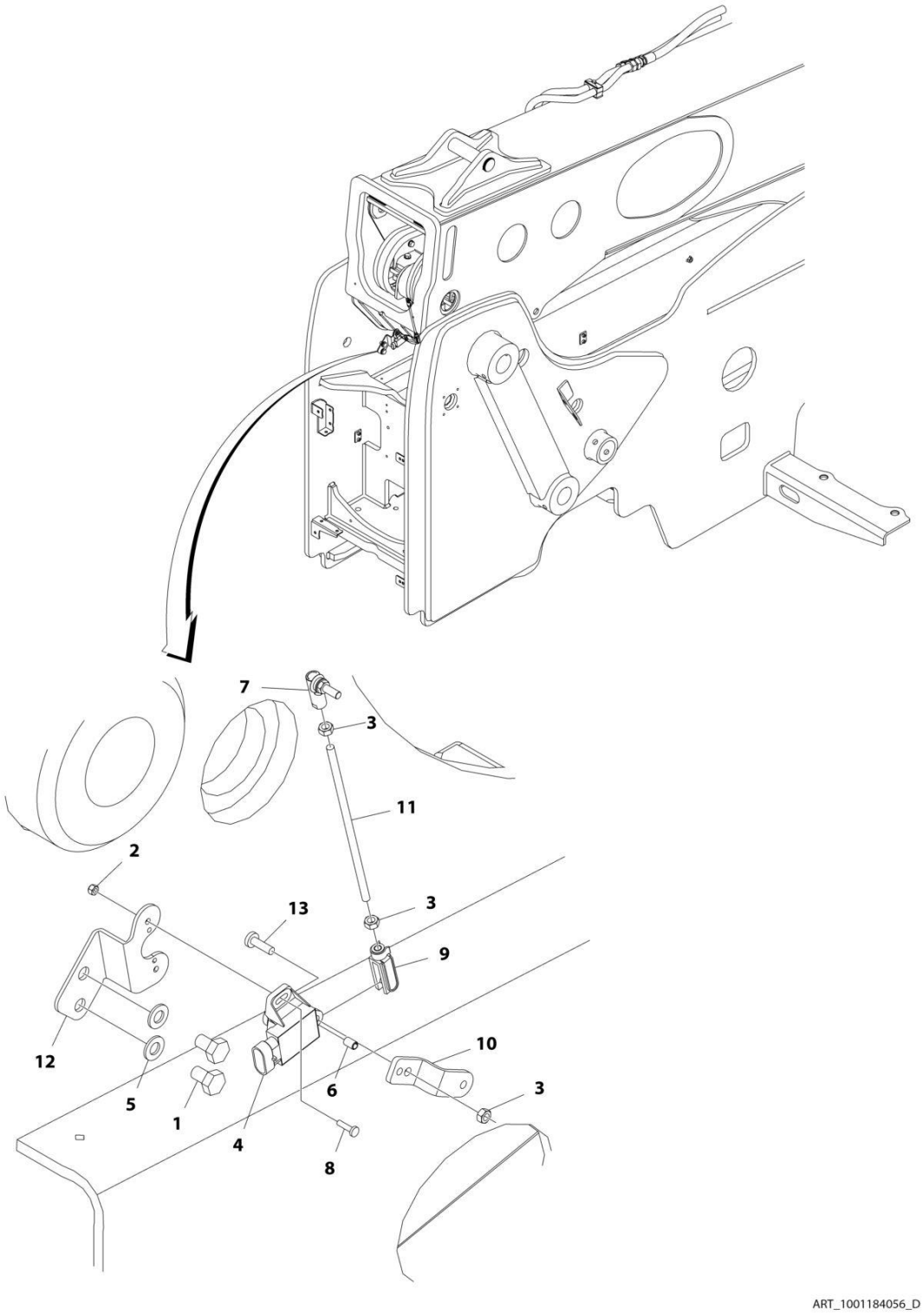


FIGURE 10-15. BOOM ANGLE SENSOR INSTALLATION (STANDARD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184056	Ref	BOOM ANGLE SENSOR INSTALLATION (STANDARD)	D
1	0761008	2	Bolt M10 x 16	
2	3290405	2	Nut M4 x 0.7	
3	3290601	3	Nut M6 x 1	
4	1001278028	1	Sensor, Angle	
5	4812000	2	Washer M10	
6	1001103156	1	Pin	
7	1001184484	1	Joint, Ball	
8	1001126837	2	Screw M4 x 16	
9	1001134274	1	Clevis	
10	1001188787	1	Link, Boom Angle Sensor	
11	1001168482	1	Rod	
12	1001211059	1	Bracket, Boom Angle Sensor	
13	4010610002	1	Screw M6 x 20	

FIGURE 10-16. BOOM ANGLE SENSOR INSTALLATION (LSI)

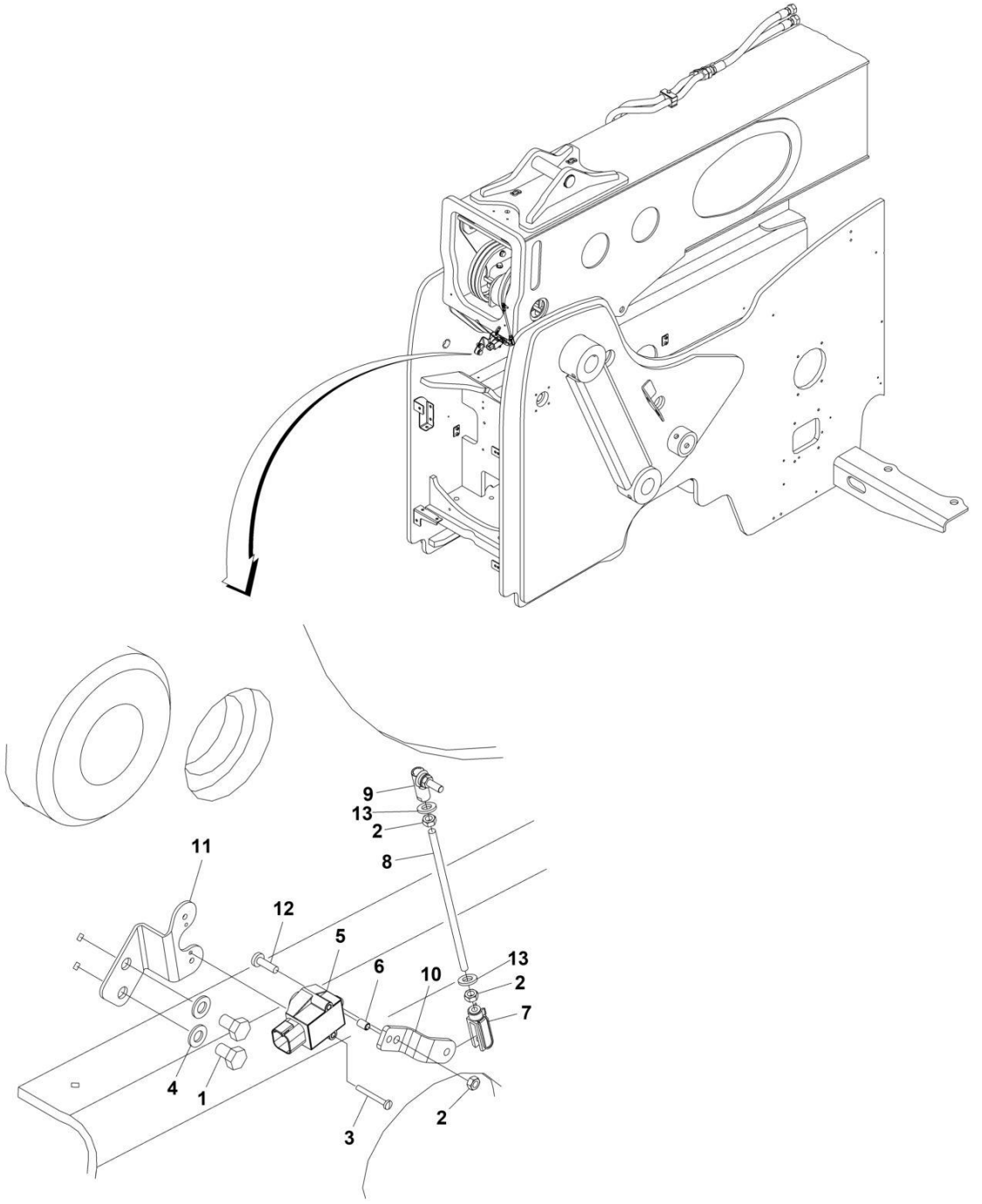


FIGURE 10-16. BOOM ANGLE SENSOR INSTALLATION (LSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259082	Ref	BOOM ANGLE SENSOR INSTALLATION	B
1	0761008	2	Bolt M10 X 16	
2	3290601	3	Nut M6	
3	4010415	2	Screw M4 x 35	
4	4812000	2	Washer M10	
5	1001099717	1	Sensor, Angle	
6	1001103156	1	Pin	
7	1001134274	1	Clevis	
8	1001168482	1	Rod	
9	1001184484	1	Joint, Ball	
10	1001188787	1	Link, Boom Angle Sensor	
11	1001211059	1	Bracket, Boom Angle Sensor	
12	4010610002	1	Screw M6 X 20	
13	4761400	1	Washer 1/4	

FIGURE 10-17. BOOM ELECTRICAL HARNESS INSTALLATION

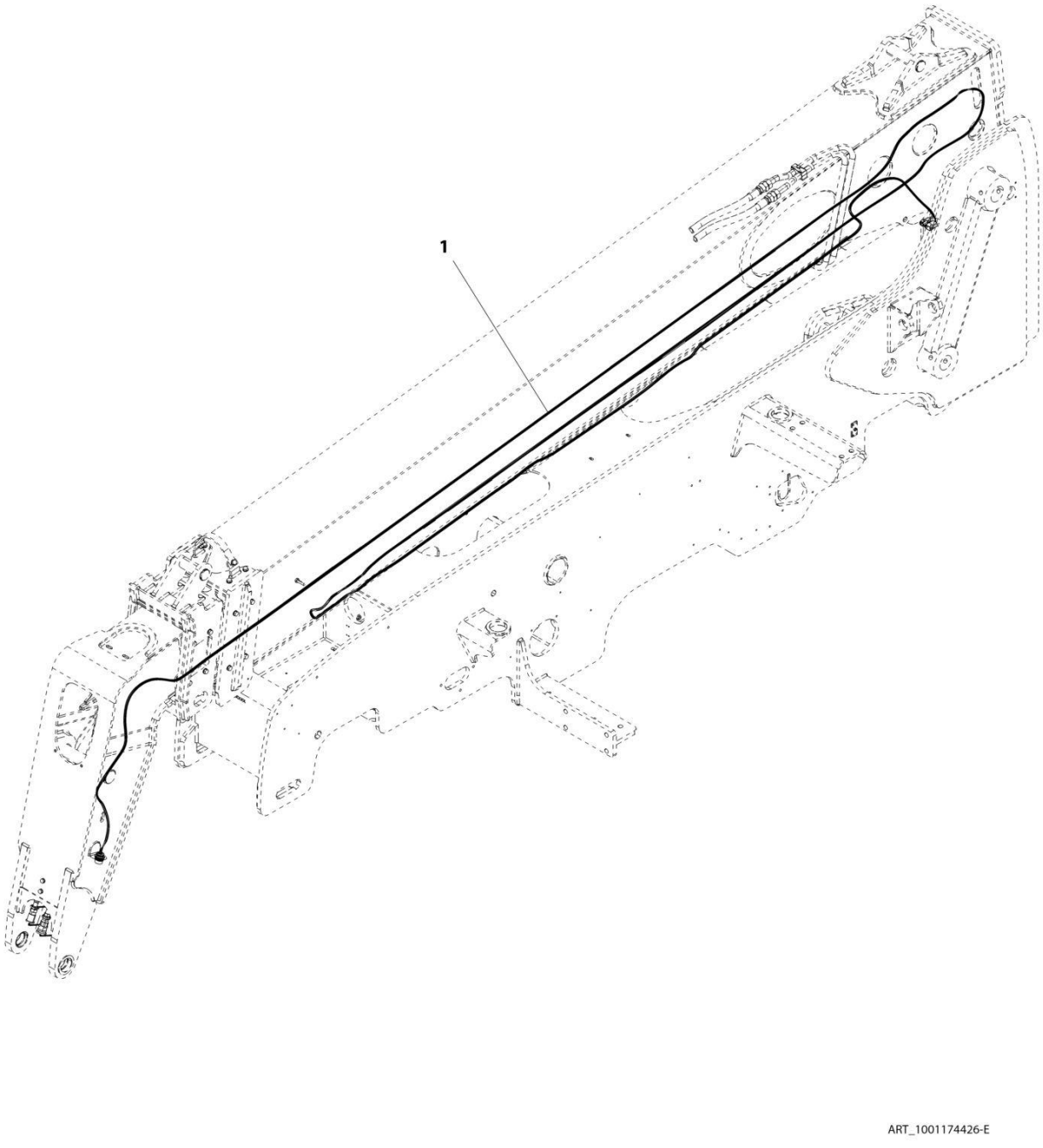


FIGURE 10-17. BOOM ELECTRICAL HARNESS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174426	Ref	Boom Electrical Harness Installation	E
1	1001172728	1	Harness, Boom (See Separate Breakdown in this Section)	

FIGURE 10-18. BOOM ELECTRIC HARNESS

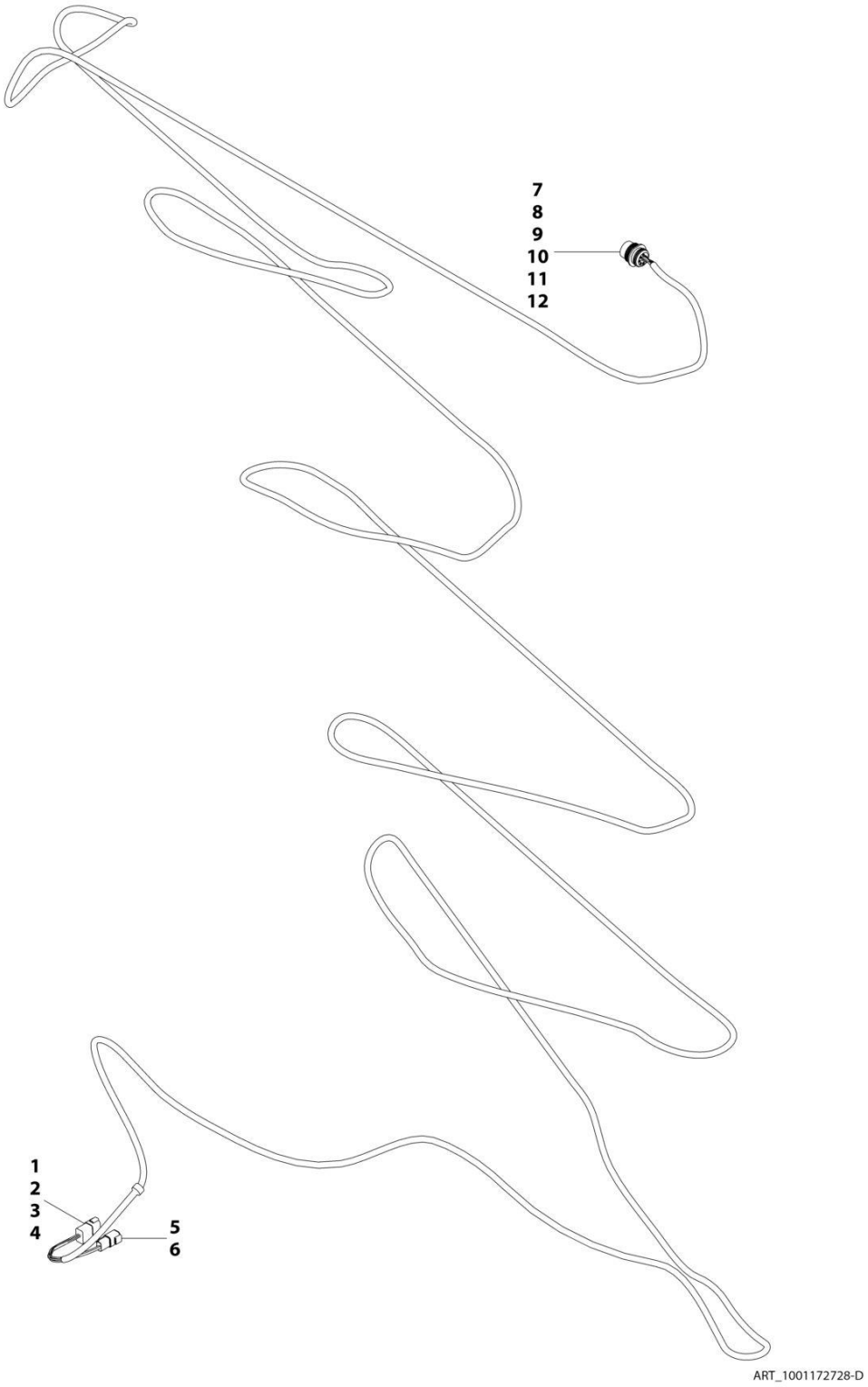


FIGURE 10-18. BOOM ELECTRIC HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172728	Ref	Boom Harness	D
1	4460931	1	Connector	
2	4460943	2	Terminal	
3	4460464	4	Terminal	
4	4460466	2	Plug	
5	4461017	1	Connector	
6	4460508	2	Terminal	
7	1001112612	1	Connector	
8	1001183221	1	Boot	
9	1001157891	1	Terminal	
10	4460464	4	Terminal	
11	4460943	2	Terminal	
12	4460466	1	Plug	

FIGURE 10-19. BOOM AUXILIARY ELECTRIC INSTALLATION

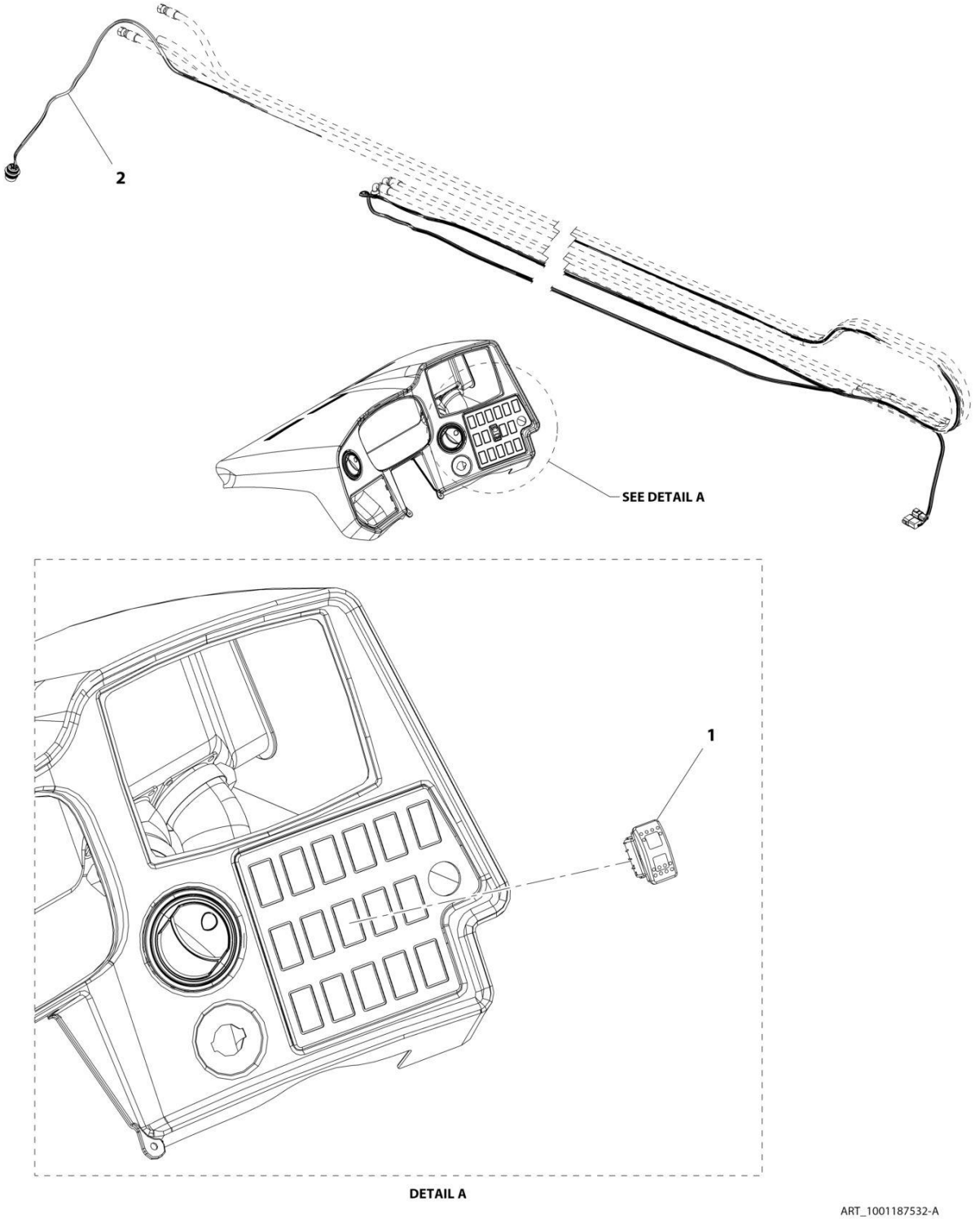


FIGURE 10-19. BOOM AUXILIARY ELECTRIC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187532	Ref	Boom Auxiliary Electric Installation	A
1	1001159746	1	Switch, Auxiliary Electric	
2	1001174426	1	Installation, Boom Electrical Harness (See Separate Breakdown in this Section)	

FIGURE 10-20. BOOM AUXILIARY ELECTRIC HARNESS INSTALLATION

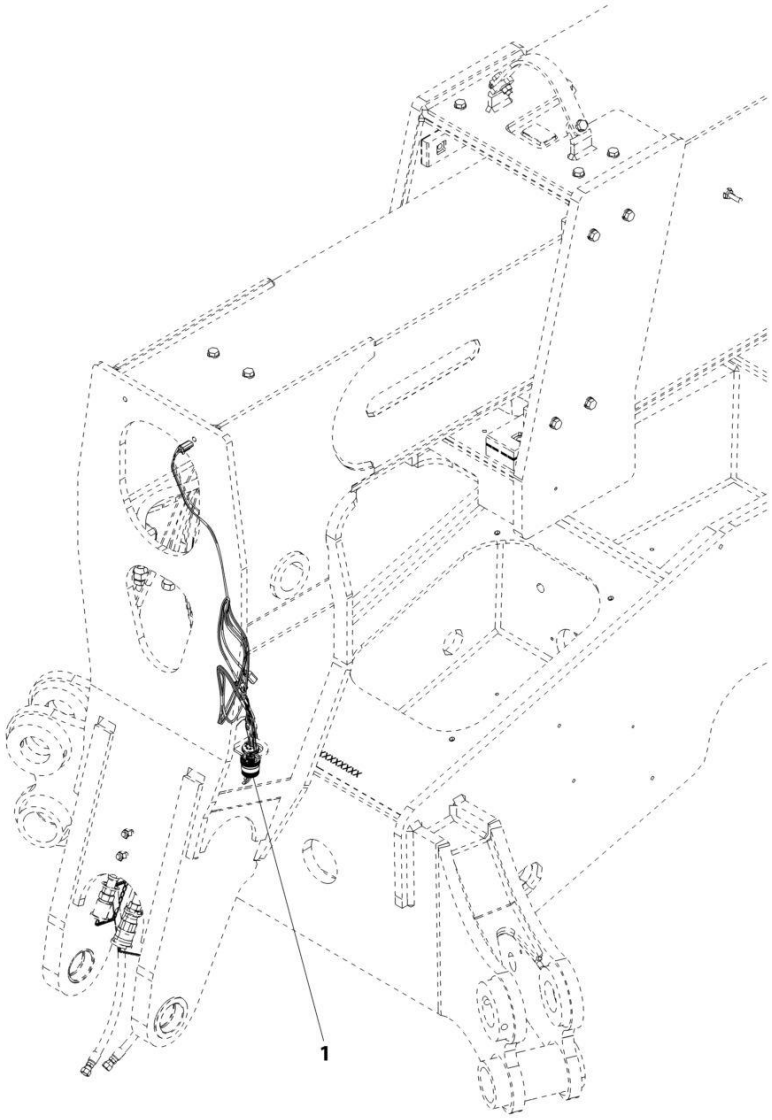


FIGURE 10-20. BOOM AUXILIARY ELECTRIC HARNESS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167799	Ref	Boom Auxiliary Electric Harness Installation	B
1	1001167695	1	Harness, Platform (See Separate Breakdown in this Section)	

FIGURE 10-21. CAB DASH ELECTRICAL (ULS)

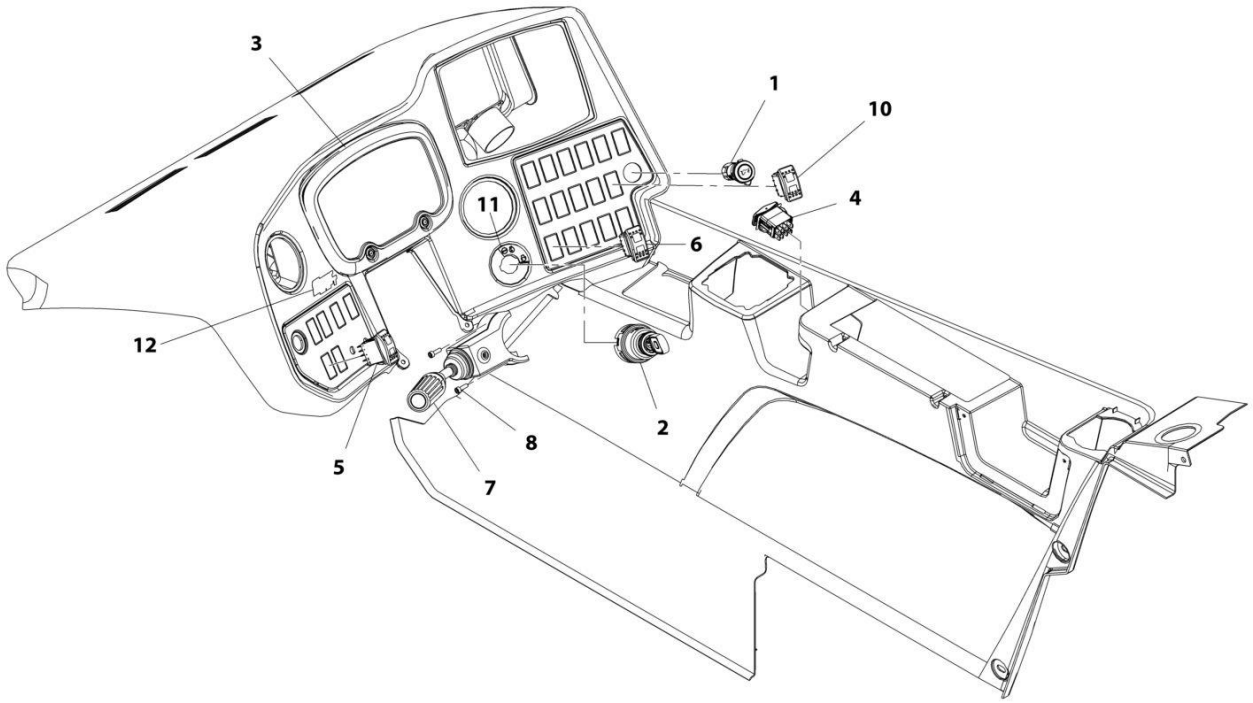


FIGURE 10-21. CAB DASH ELECTRICAL (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173849	Ref	Dash Electrical Installation (if equipped for ULS)	H
1	1001095804	1	Connector, 12V Power Socket	
2	1001102502	1	Switch, 4 Position Key	
2	70022765	1	Key, Ignition	
3	1001158146	1	Cluster, Electrical Gauge	
4	1001212470	1	Switch, Frame Level	
5	1001159753	1	Switch, Park Brake	
6	1001159849	1	Switch, Steer Mode	
7	1001163698	1	Switch, FNR 4 Speed	
8	4031607	2	Screw, M5-0.8X16	
10	1001104654	1	Switch, AUX	
11	1001181531	1	Decal, Ignition Switch	
12	1001262072	1	Decal, Smart Shift	

FIGURE 10-22. CAB DASH ELECTRICAL (LS)

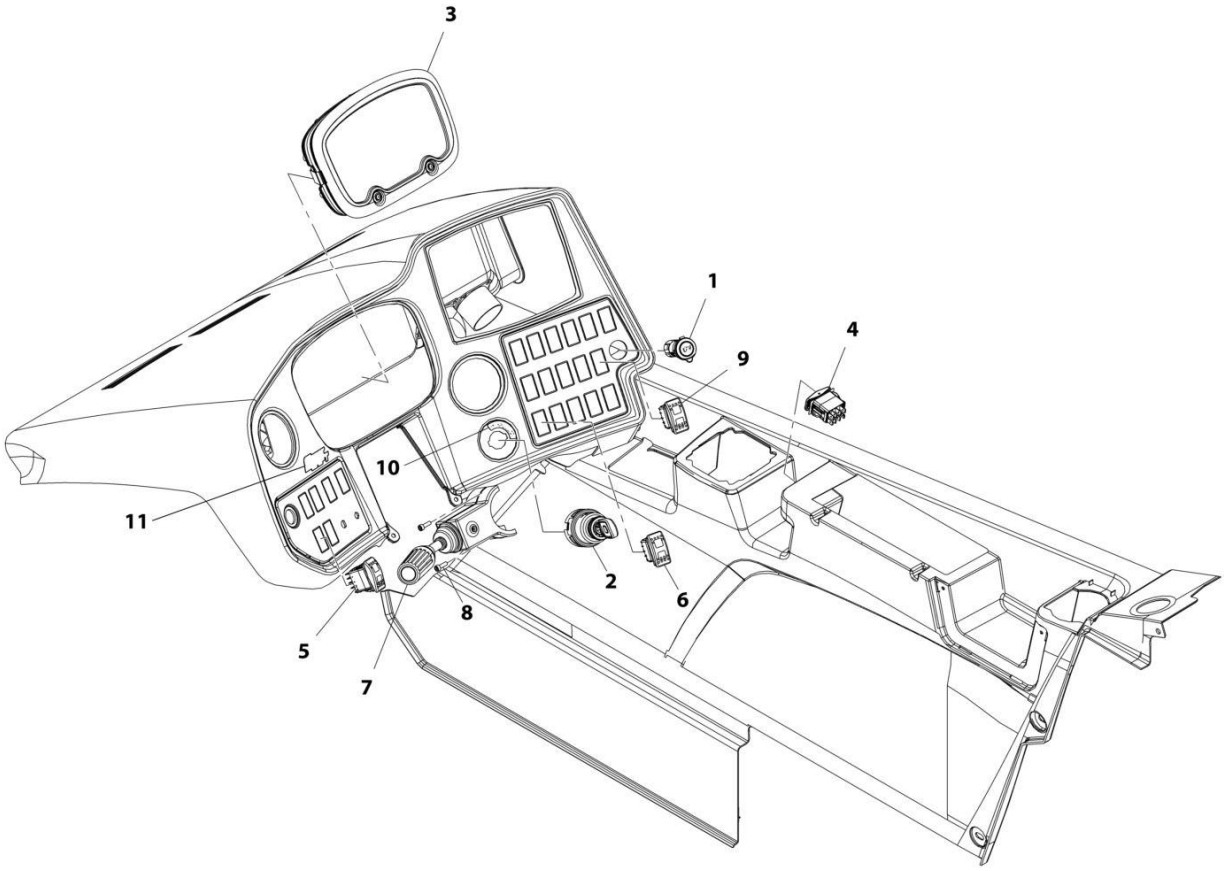


FIGURE 10-22. CAB DASH ELECTRICAL (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203225	Ref	Dash Electrical Installation (LS)	D
1	1001095804	1	Connector, 12V Power Socket	
2	1001102502	1	Switch, 4 Position Key	
2	70022765	1	Key, Ignition	
3	1001202454	1	Cluster, Electrical Gauge	
4	1001212470	1	Switch, Frame Level	
5	1001159753	1	Switch, Park Brake	
6	1001159849	1	Switch, Steer Mode	
7	1001163698	1	Switch, FNR 4 Speed	
8	4031607	2	Screw, M5X16	
9	1001104654	1	Switch, AUX	
10	1001181531	1	Decal, Ignition Switch	
11	1001262072	1	Decal, Smart Shift Logo	

FIGURE 10-23. CAB ELECTRICAL INSTALLATION

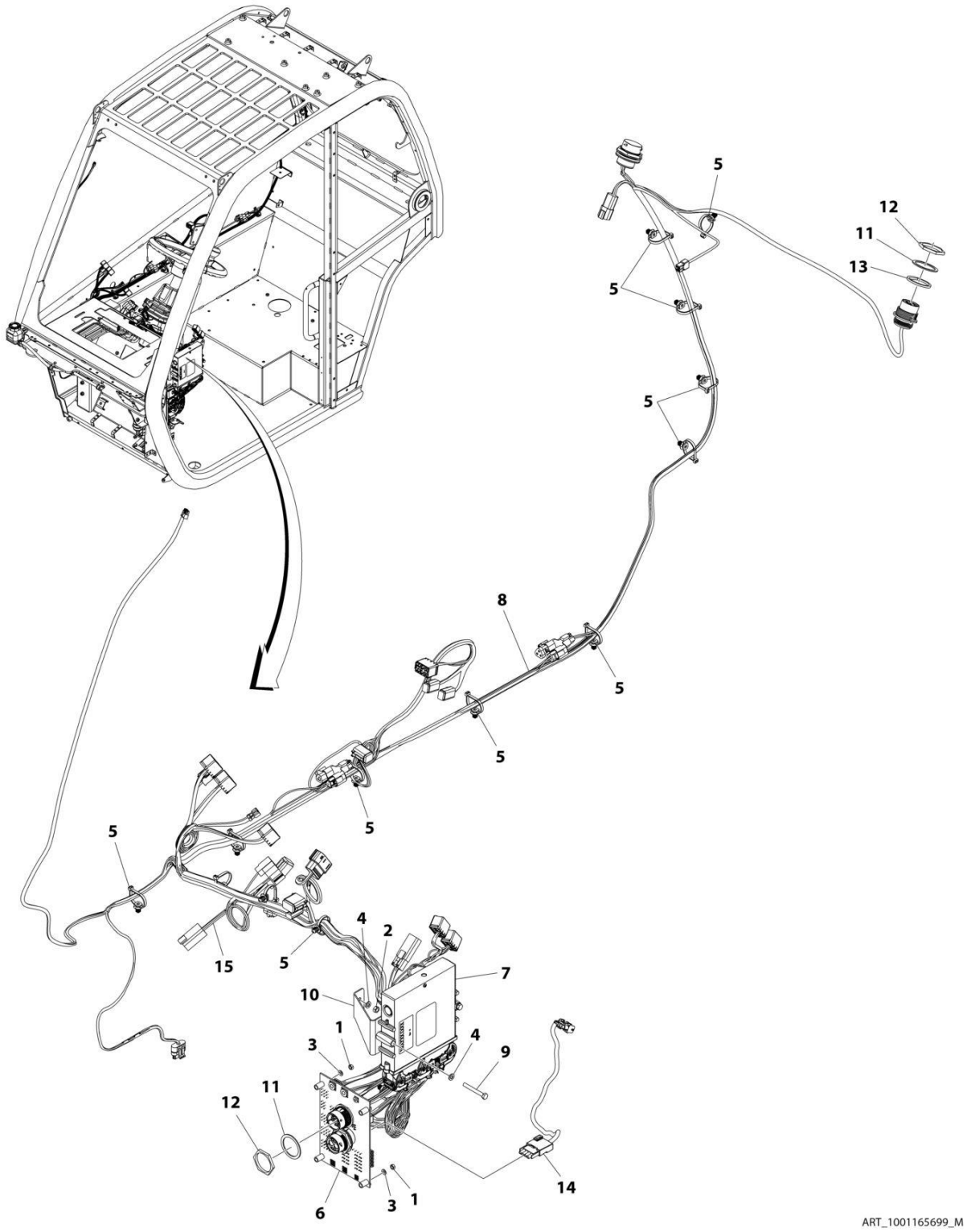


FIGURE 10-23. CAB ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165699	Ref	CAB ELECTRICAL INSTALLATION	M
1	3290501	3	Nut M5 x 0.8	
2	3290601	2	Nut M6 x 1	
3	120034	3	Washer, Plastic	
4	4811700	4	Washer M6	
5	1001146588	16	Tie Strap	
6	1001161769	1	Assembly, Standard Electrical Board (See Separate Breakdown in this Section)	
7	1001270466	1	Module	
8	1001282322	1	Harness, Cab (See Separate Breakdown in this Section)	
9	0700618	2	Bolt M6 x 50	
10	1001178933	1	Bracket	
11	4460496	4	Washer, Terminal Lock	
12	4460497	4	Nut, Terminal	
13	1001211693	2	Seal	
14	1001213988	1	Cable (See Separate Breakdown in this Section)	
15	1001241610	1	Key Harness (See Separate Breakdown in this Section)	

FIGURE 10-24. CAB ELECTRICAL BOARD ASSEMBLY

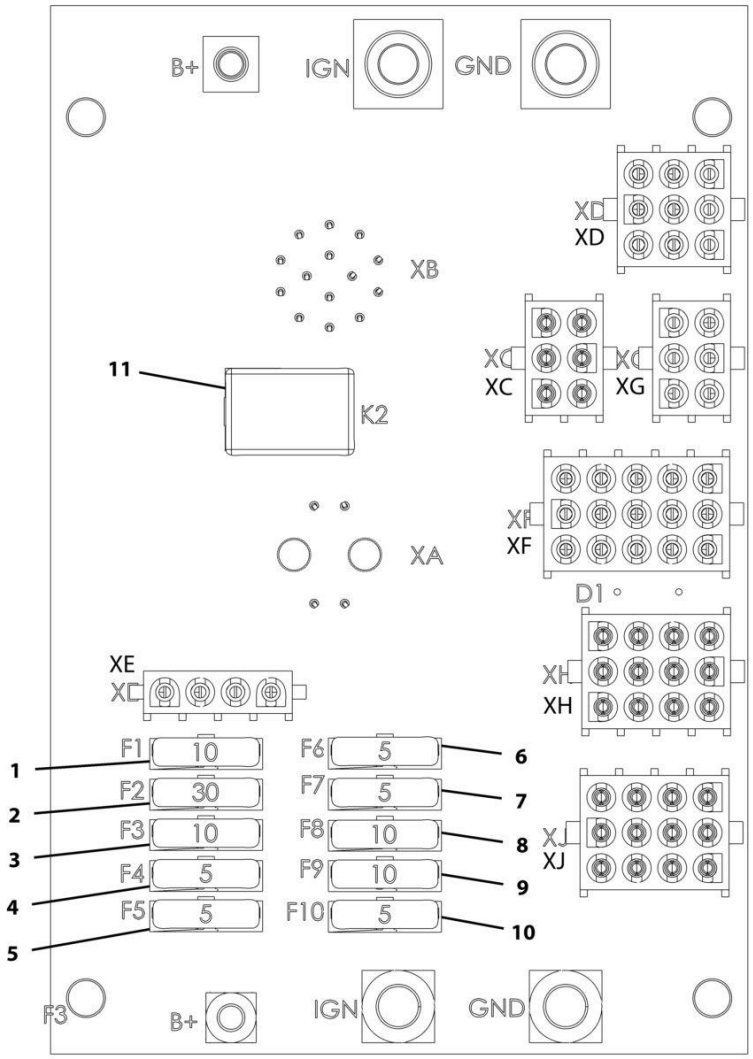


FIGURE 10-24. CAB ELECTRICAL BOARD ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161769	Ref	Standard Electrical Board Assembly	C
1	80983191	1	Fuse, 10AMP	
2	8229245	1	Fuse, 30AMP	
3	80983191	1	Fuse, 10AMP	
4	8229242	1	Fuse, 5AMP	
5	8229242	1	Fuse, 5AMP	
6	8229242	1	Fuse, 5AMP	
7	8229242	1	Fuse, 5AMP	
8	80983191	1	Fuse, 10AMP	
9	80983191	1	Fuse, 10AMP	
10	8229242	1	Fuse, 5AMP	
11	70026292	1	Fuse, 35AMP	

FIGURE 10-25. CAB ELECTRICAL COMMUNICATION CABLE

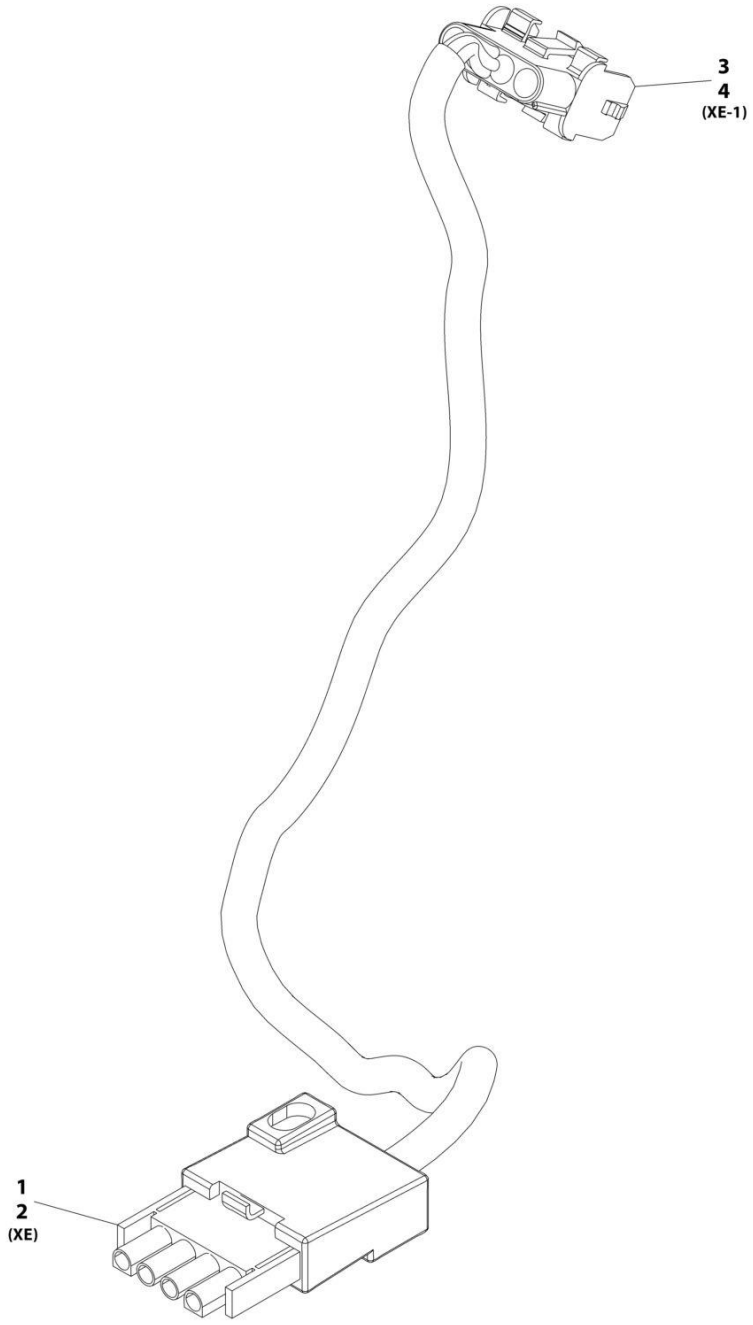


FIGURE 10-25. CAB ELECTRICAL COMMUNICATION CABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213988	Ref	Communication Analyzer Cable	A
1	4460321	1	Connector	
2	4460268	4	Terminal	
3	4460761	1	Connector	
4	4460267	4	Terminal	

FIGURE 10-26. CAB HARNESS

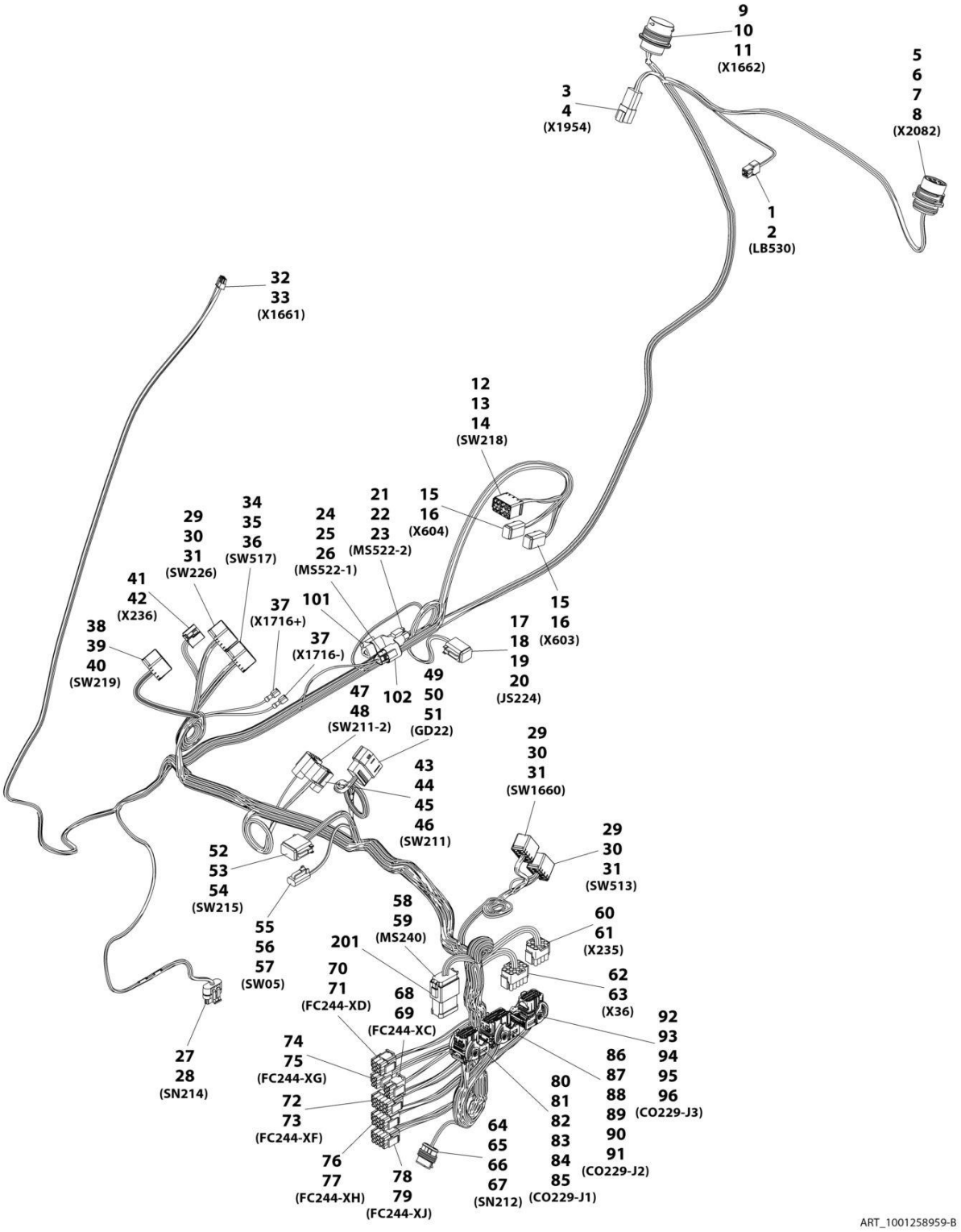


FIGURE 10-26. CAB HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258959	Ref	CAB HARNESS	B
1	1001116991	1	Connector	
2	1001118384	2	Terminal	
3	4460932	1	Connector	
4	4460941	4	Terminal	
5	1001112612	1	Connector	
6	4460464	3	Terminal	
7	4460943	2	Terminal	
8	4460466	4	Plug	
9	4461018	1	Connector	
10	4460941	6	Terminal	
11	4460466	8	Plug	
12	1001117081	1	Connector	
13	1001118384	4	Terminal	
14	1001116723	2	Terminal	
15	4460884	1	Connector	
16	4460465	4	Terminal	
17	4460894	1	Connector	
18	4460465	3	Terminal	
19	4460466	1	Plug	
20	4460944	2	Terminal	
21	1001116812	1	Connector	
22	4460944	2	Terminal	
23	4460466	1	Plug	
24	4460539	1	Connector	
25	4460944	2	Terminal	
26	4460466	1	Plug	
27	1001230931	1	Connector	
28	1001116748	6	Terminal	
29	1001117081	3	Connector	
30	1001118384	6	Terminal	
31	1001116723	12	Terminal	
32	1001150735	1	Connector	
33	1001150737	7	Terminal	
34	1001117081	1	Connector	
35	1001116723	6	Terminal	
36	1001118384	1	Terminal	
37	8220051	2	Terminal, Female Blade	
38	1001117081	1	Connector	
39	1001118384	5	Terminal	
40	1001116723	6	Terminal	
41	1001118684	1	Connector	
42	1001116754	2	Terminal	
43	1001118685	1	Connector	
44	1001116723	2	Terminal	
45	1001118383	1	Terminal	
46	1001118384	1	Terminal	
47	1001117121	1	Connector	
48	1001184841	1	Terminal	
49	1001162886	1	Connector	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001163340	13	Plug	
51	1001162887	7	Terminal	
52	4460933	1	Connector	
53	4460465	9	Terminal	
54	4460466	3	Plug	
55	4460897	1	Connector	
56	4460464	1	Terminal	
57	4460466	1	Plug	
58	4460930	1	Connector	
59	4460465	8	Terminal	
60	4460343	1	Connector	
61	4460268	8	Terminal	
62	4460434	1	Connector	
63	4460268	14	Terminal	
64	1001103012	1	Connector	
65	1001116698	2	Plug	
66	1001116697	2	Terminal	
67	1001116763	2	Seal	
68	4460225	1	Connector	
69	4460267	3	Terminal	
70	4460265	1	Connector	
71	4460268	5	Terminal	
72	4460434	1	Connector	
73	4460268	10	Terminal	
74	4460225	1	Connector	
75	4460268	5	Terminal	
76	4460343	1	Connector	
77	4460268	9	Terminal	
78	4460343	1	Connector	
79	4460267	10	Terminal	
80	1001160498	1	Connector	
81	1001161095	22	Terminal	
82	1001161098	5	Terminal	
83	1001161099	1	Terminal	
84	1001161100	2	Plug	
85	1001161101	2	Plug	
86	1001160502	1	Connector	
87	1001161095	19	Terminal	
88	1001161100	21	Plug	
89	1001161098	5	Terminal	
90	1001161099	1	Terminal	
91	1001161101	2	Plug	
92	1001161959	1	Connector	
93	1001161095	12	Terminal	
94	1001161098	1	Terminal	
95	1001161100	12	Plug	
96	1001161101	7	Plug	
101	4460539	1	Connector	
102	4460945	1	Connector - 3 Way	
201	4460984	1	Bussbar	

FIGURE 10-27. CAB ELECTRICAL INSTALLATION - ENCLOSED

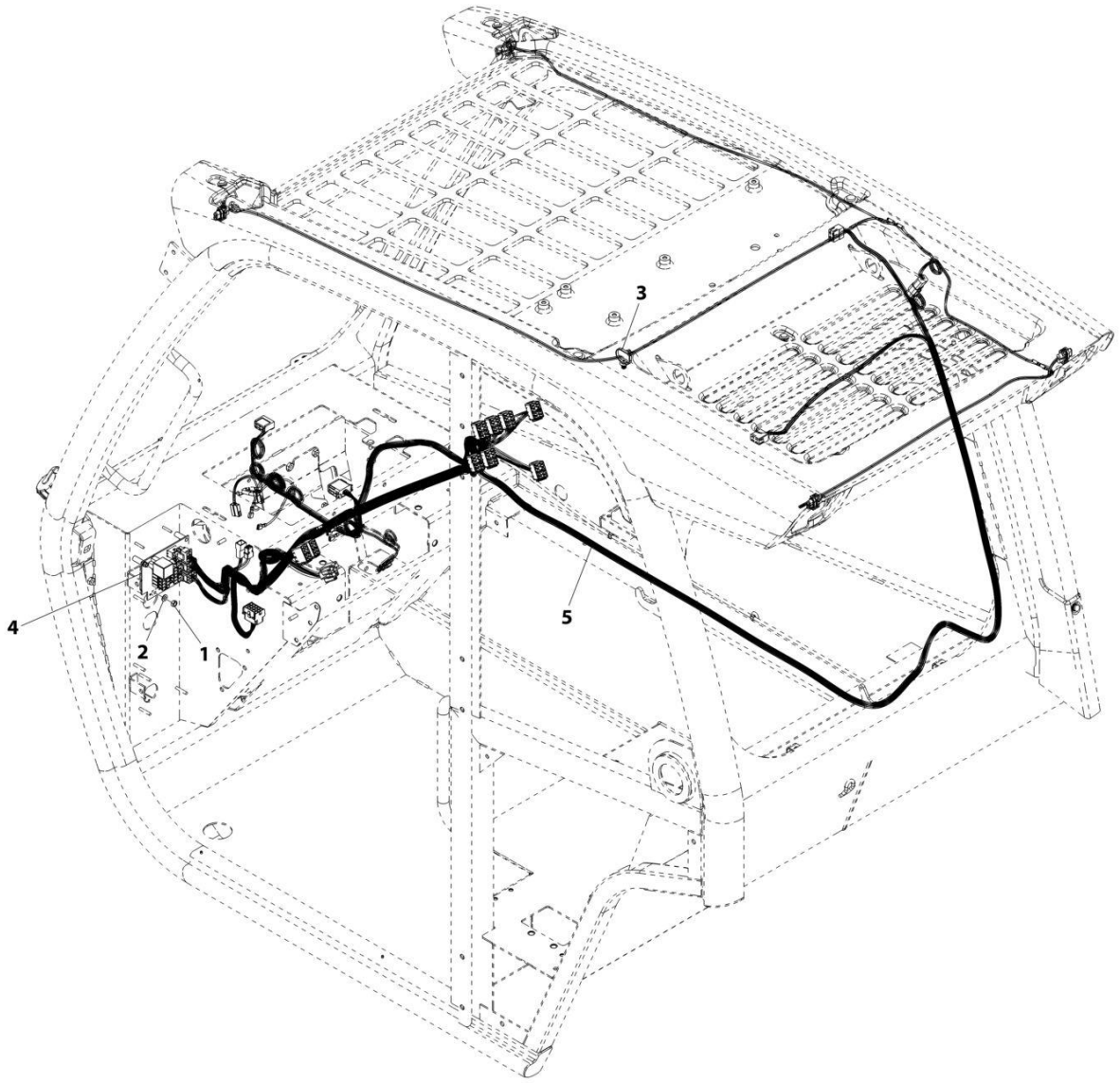


FIGURE 10-27. CAB ELECTRICAL INSTALLATION - ENCLOSED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166763	Ref	Enclosed Cab Electrical Installation with Options	E
1	3290501	1	Nut, M5X0.8	
2	120034	1	Washer, Plastic	
3	1001146588	1	Strap, Tie	
4	1001161770	1	Assembly, Option 1 Electrical Board (See Separate Breakdown in this Section)	
5	1001163371	1	Harness, Option 1 Cab (See Separate Breakdown in this Section)	

FIGURE 10-28. CAB ELECTRICAL INSTALLATION - OPEN

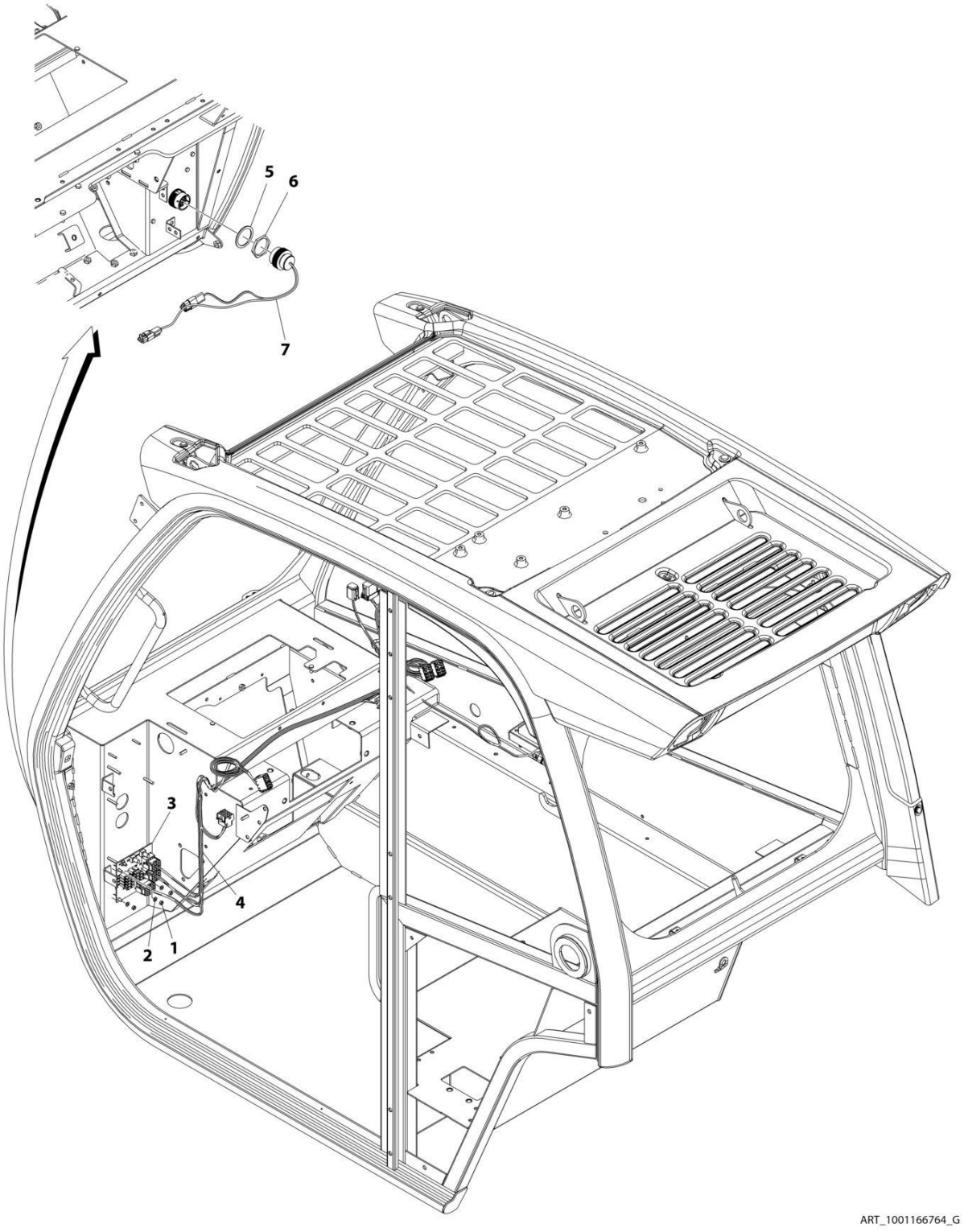


FIGURE 10-28. CAB ELECTRICAL INSTALLATION - OPEN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166764	Ref	CAB ELECTRICAL INSTALLATION - OPEN	G
1	3290501	3	Nut M5 x 51/64	
2	120034	3	Washer, Plastic	
3	1001161771	1	Assembly, Option 2 Electrical Board (See Separate Breakdown in this Section)	
4	1001283420	1	Harness, Option 2 Cab (See Separate Breakdown in this Section)	
5	4460496	1	Washer, Terminal Lock	
6	4460497	1	Nut, Terminal	
7	1001271436	1	Harness, Cab Option (See Separate Breakdown in this Section)	

FIGURE 10-29. CAB HARNESS

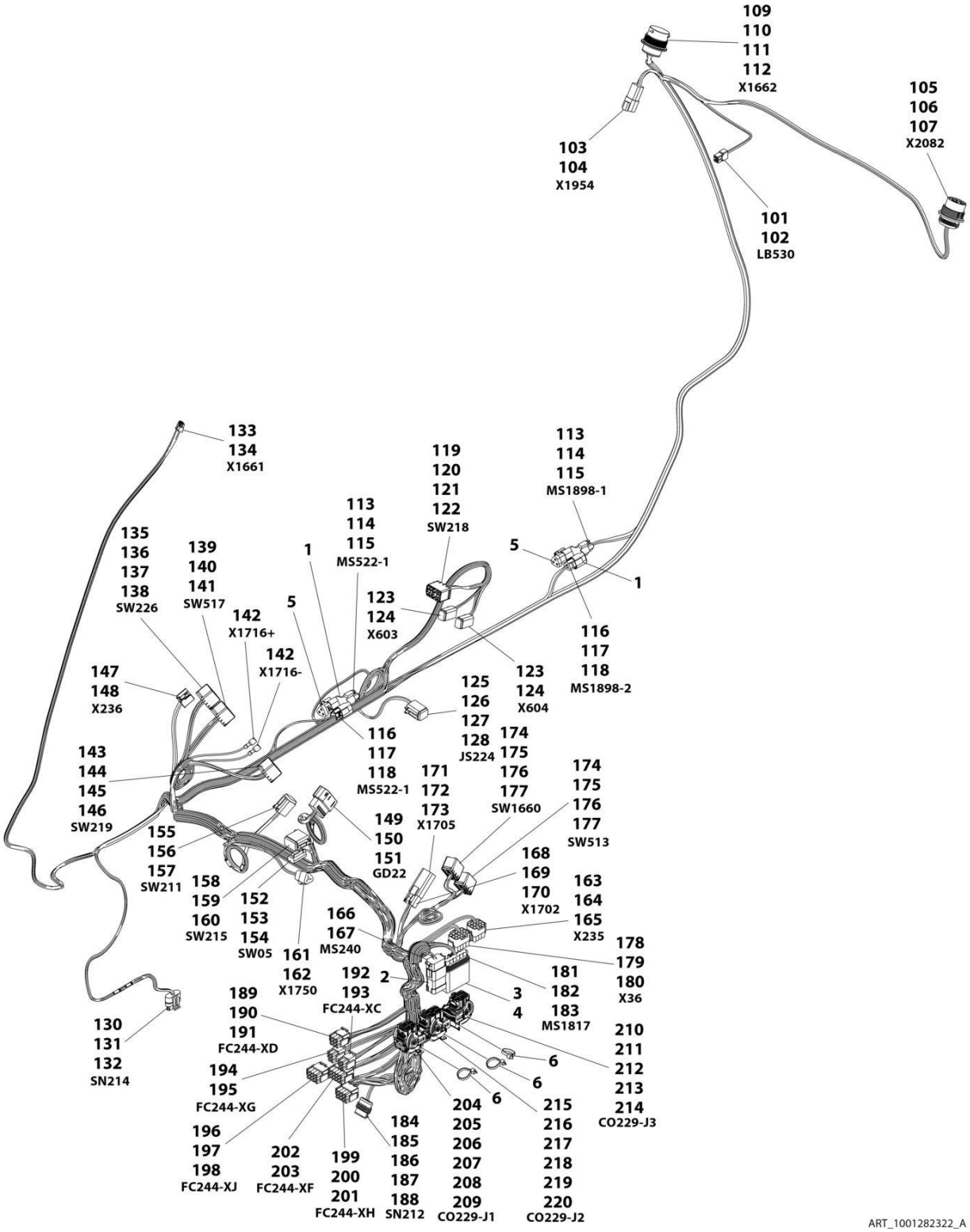


FIGURE 10-29. CAB HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001282322	Ref	CAB HARNESS	A
1	4460945	2	Terminal, 3 Way "T" Receptacle	
2	4460984	1	Plug, 8 Pin	
3	8220375	1	Cap	
4	1001177597	2	Diode, 6amp	
5	1001116815	1	Connector, 3 Pin	
6	1001008559	3	Tie-Strap	
101	1001116991	1	Connector	
102	1001118384	2	Terminal	
103	4460932	1	Connector	
104	4460941	4	Terminal	
105	1001112612	1	Connector	
106	4460464	5	Terminal	
107	4460943	4	Terminal	
109	4461016	1	Connector	
110	4460941	6	Terminal	
111	4460464	5	Terminal	
112	4460466	3	Plug	
113	1001116812	2	Connector	
114	4460944	4	Terminal	
115	4460466	2	Plug	
116	4460539	2	Connector	
117	4460944	4	Terminal	
118	4460466	2	Plug	
119	1001117081	1	Connector	
120	1001223455	2	Terminal	
121	1001118384	2	Terminal	
122	1001116723	2	Terminal	
123	4460884	2	Connector	
124	4460465	8	Terminal	
125	4460894	1	Connector	
126	4460465	3	Terminal	
127	4460944	2	Terminal	
128	4460466	1	Plug	
130	1001230931	1	Connector	
131	1001116748	4	Terminal	
132	1001273991	2	Terminal	
133	1001150735	1	Connector	
134	1001150737	7	Terminal	
135	1001117081	1	Connector	
136	1001118384	3	Terminal	
137	1001223455	1	Terminal	
138	1001116723	4	Terminal	
139	1001117081	1	Connector	
140	1001116723	6	Terminal	
141	1001223455	1	Terminal	
142	1001194421	1	Connector	
143	1001117081	1	Connector	
144	1001223455	3	Terminal	
145	1001118384	2	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
146	1001116723	6	Terminal	
147	1001118684	1	Connector	
148	1001116754	2	Terminal	
149	1001162886	1	Connector	
150	1001162887	7	Terminal	
151	1001163340	13	Plug	
152	4460897	1	Connector	
153	4460464	1	Terminal	
154	4460466	1	Plug	
155	4460894	1	Connector	
156	4460465	4	Terminal	
157	4460466	2	Plug	
158	4460933	1	Connector	
159	4460465	9	Terminal	
160	4460466	3	Plug	
161	4460539	1	Connector	
162	4460465	3	Terminal	
163	4460343	1	Connector	
164	4460268	6	Terminal	
165	1001223457	15	Terminal	
166	4460930	1	Connector	
167	4460465	8	Terminal	
168	4460894	1	Connector	
169	4460465	5	Terminal	
170	4460466	1	Plug	
171	4460899	1	Connector	
172	4460464	1	Terminal	
173	4460466	5	Plug	
174	1001117081	2	Connector	
175	1001118384	2	Terminal	
176	1001223455	2	Terminal	
177	1001116723	8	Terminal	
178	4460434	1	Connector	
179	4460268	6	Terminal	
180	1001223457	7	Terminal	
181	4460744	1	Connector	
182	4460746	6	Terminal	
183	1001175265	6	Seal	
184	1001103012	1	Connector	
185	1001116698	2	Plug	
186	1001116697	1	Terminal	
187	1001237212	1	Terminal	
188	1001116763	2	Seal	
189	4460265	1	Connector	
190	4460268	7	Terminal	
191	1001223457	2	Terminal	
192	4460225	1	Connector	
193	4460267	6	Terminal	
194	4460225	1	Connector	
195	4460268	5	Terminal	
196	4460343	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
197	4460267	11	Terminal	
198	1001223456	1	Terminal	
199	4460343	1	Connector	
200	4460268	8	Terminal	
201	1001223457	1	Terminal	
202	4460434	1	Connector	
203	4460268	12	Terminal	
204	1001160498	1	Connector	
205	1001161097	22	Terminal	
206	1001161098	6	Terminal	
207	1001161099	1	Terminal	
208	1001161100	2	Plug	
209	1001161101	1	Plug	
210	1001161959	1	Connector	
211	1001161097	12	Terminal	
212	1001161098	1	Terminal	
213	1001161100	10	Plug	
214	1001161101	7	Plug	
215	1001160502	1	Connector	
216	1001161097	21	Terminal	
217	1001161098	5	Terminal	
218	1001161099	1	Terminal	
219	1001161100	19	Plug	
220	1001161101	2	Plug	

FIGURE 10-30. CAB OPTION 1 ELECTRICAL BOARD

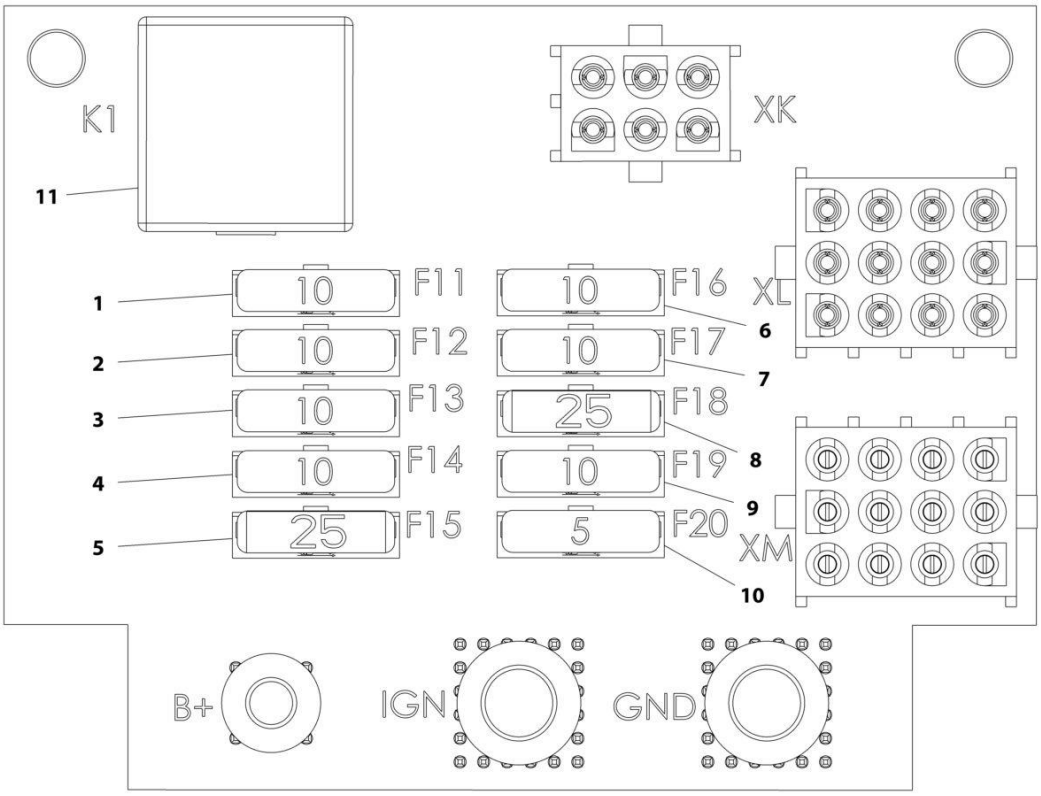
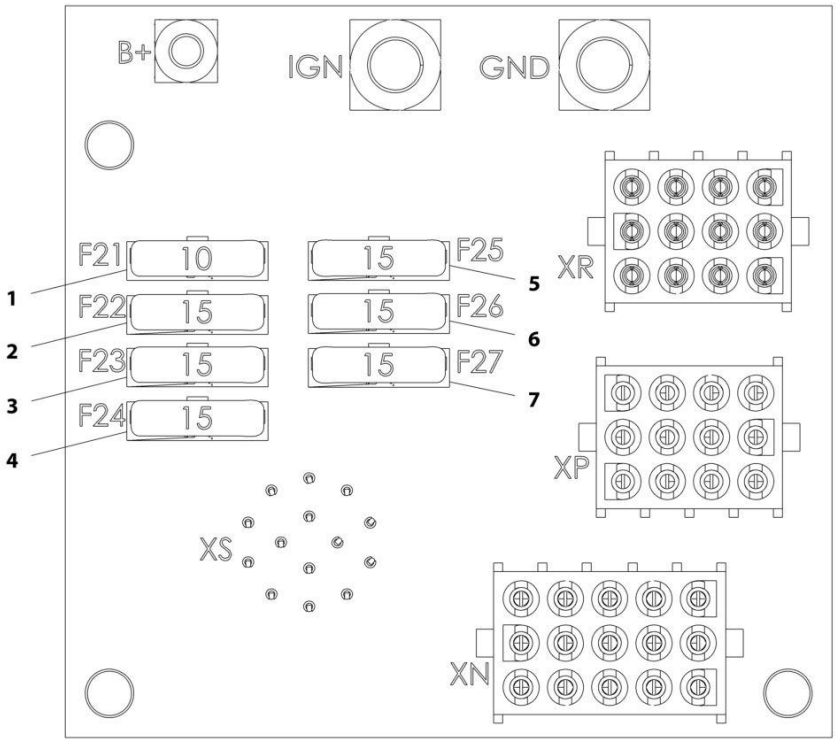


FIGURE 10-30. CAB OPTION 1 ELECTRICAL BOARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161770	Ref	Option 1 Electrical Board Assembly	C
1	80983191	1	Fuse, 10AMP	
2	80983191	1	Fuse, 10AMP	
3	80983191	1	Fuse, 10AMP	
4	80983191	1	Fuse, 10AMP	
5	8229247	1	Fuse, 25AMP	
6	80983191	1	Fuse, 10AMP	
7	80983191	1	Fuse, 10AMP	
8	8229247	1	Fuse, 25AMP	
9	80983191	1	Fuse, 10AMP	
10	8229242	1	Fuse, 5AMP	
11	70026293	1	Fuse, 50AMP	

FIGURE 10-31. CAB OPTION 2 ELECTRICAL BOARD

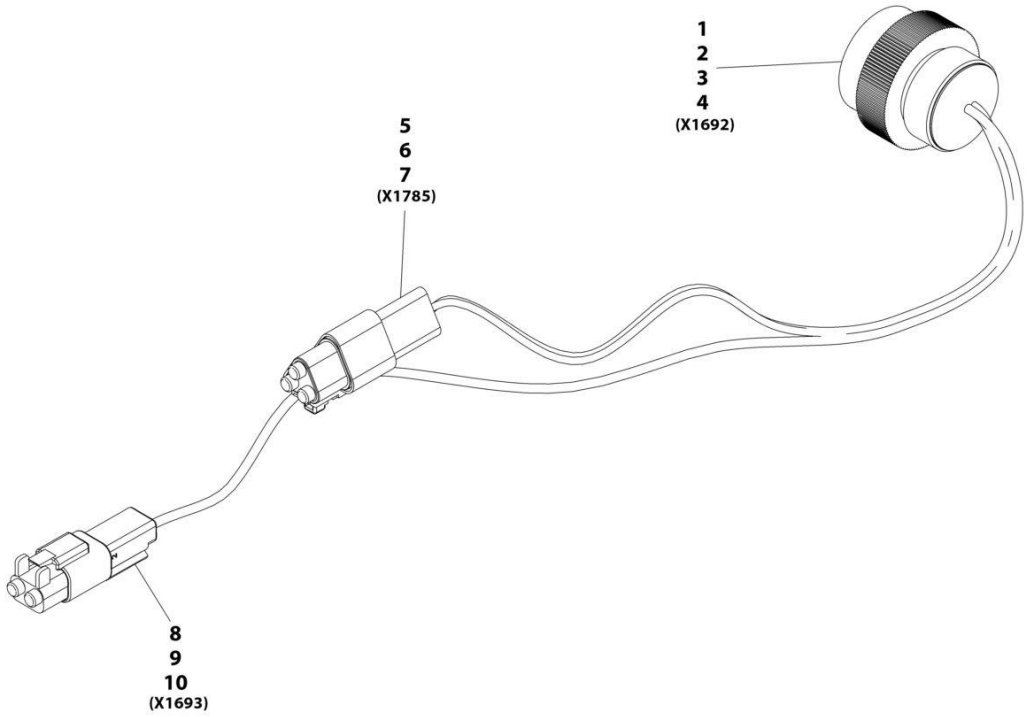


ART_1001161771-B

FIGURE 10-31. CAB OPTION 2 ELECTRICAL BOARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161771	Ref	Option 2 Electrical Board Assembly	B
1	80983191	1	Fuse, 10AMP	
2	8229244	1	Fuse, 15AMP	
3	8229244	1	Fuse, 15AMP	
4	8229244	1	Fuse, 15AMP	
5	8229244	1	Fuse, 15AMP	
6	8229244	1	Fuse, 15AMP	
7	8229244	1	Fuse, 15AMP	

FIGURE 10-32. CAB OPTION HARNESS



ART_1001271436-A

FIGURE 10-32. CAB OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001271436	Ref	CAB OPTION HARNESS	A
1	4461015	1	Connector	
2	4460465	2	Terminal	
3	4460942	1	Terminal	
4	4460466	11	Plug	
5	1001144147	1	Connector	
6	4460943	2	Terminal	
7	4460466	1	Plug	
8	4460897	1	Connector	
9	4460941	1	Terminal	
10	4460466	1	Plug	

FIGURE 10-33. CAB OPTION 1 HARNESS

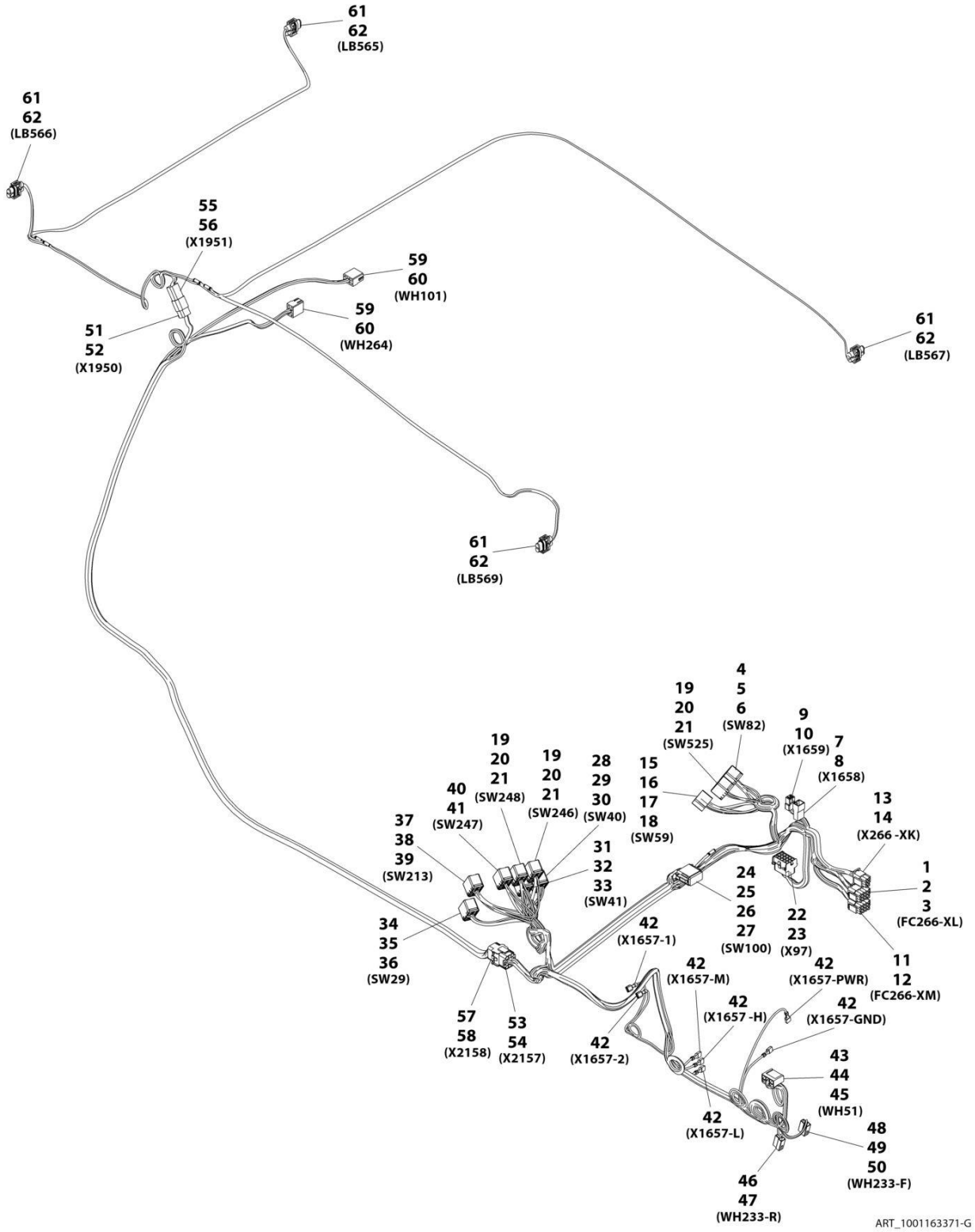


FIGURE 10-33. CAB OPTION 1 HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163371	Ref	Option 1 Cab Harness	G
1	4460343	1	Connector	
2	4460268	10	Terminal	
3	4460906	1	Terminal	
4	1001117081	1	Connector	
5	1001116723	6	Terminal	
6	1001118384	1	Terminal	
7	1001116999	1	Connector	
8	1001116700	4	Terminal	
9	1001116991	1	Connector	
10	1001118384	2	Terminal	
11	4460343	1	Connector	
12	4460267	6	Terminal	
13	4460225	1	Connector	
14	4460267	5	Terminal	
15	4460705	1	Terminal	
16	1001173411	1	Connector	
17	1001265008	4	Terminal	
18	1001104519	3	Terminal	
19	1001117081	1	Connector	
20	1001118384	2	Terminal	
21	1001116723	4	Terminal	
22	4460708	1	Connector	
23	4460267	14	Terminal	
24	4460836	1	Connector	
25	4460942	3	Terminal	
26	4460465	8	Terminal	
27	1001157890	1	Terminal	
28	80604016	1	Lock, Connector	
29	1001117081	1	Connector	
30	1001118384	4	Terminal	
31	1001116723	6	Terminal	
32	1001117081	1	Connector	
33	1001118384	3	Terminal	
34	1001116723	4	Terminal	
35	1001117081	1	Connector	
36	1001118384	2	Terminal	
37	1001116723	4	Terminal	
38	1001117081	1	Connector	
39	1001118384	2	Terminal	
40	1001116723	4	Terminal	
41	1001117081	1	Connector	
42	1001116723	8	Terminal	
43	1001118384	2	Terminal	
44	1001117079	1	Connector	
45	1001116723	6	Terminal	
46	1001118384	2	Terminal	
47	1001117081	1	Connector	
48	1001118384	4	Terminal	
49	8220051	1	Female Blade Coupler	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	8220051	1	Female Blade Coupler	
51	8220051	1	Female Blade Coupler	
52	8220051	1	Female Blade Coupler	
53	8220051	1	Female Blade Coupler	
54	8220051	1	Female Blade Coupler	
55	8220051	1	Female Blade Coupler	
56	1001116997	1	Connector	
57	1001118384	4	Terminal	
58	1001116723	1	Terminal	
59	4460994	1	Connector	
60	1001118384	2	Terminal	
61	4460994	1	Connector	
62	1001118384	1	Terminal	
63	1001116723	2	Terminal	
64	4460884	1	Connector	
65	4460942	4	Terminal	
66	80604021	1	Lock, Connector	
67	4460932	1	Connector	
68	4460941	4	Terminal	
69	80604021	1	Lock, Connector	
70	1001116986	1	Connector	
71	1001118384	4	Terminal	
72	1001116986	1	Connector	
73	1001118384	4	Terminal	
74	4461115	1	Connector	
75	1001116747	2	Terminal	
76	4461115	1	Connector	
77	1001116747	2	Terminal	
78	4461115	1	Connector	
79	1001116747	2	Terminal	
80	4461115	1	Connector	
81	1001116747	2	Terminal	
82	4460343	1	Connector	
83	4460268	12	Terminal	
84	4460367	1	Connector	
85	4460267	12	Terminal	

FIGURE 10-34. CAB OPTION 2 HARNESS

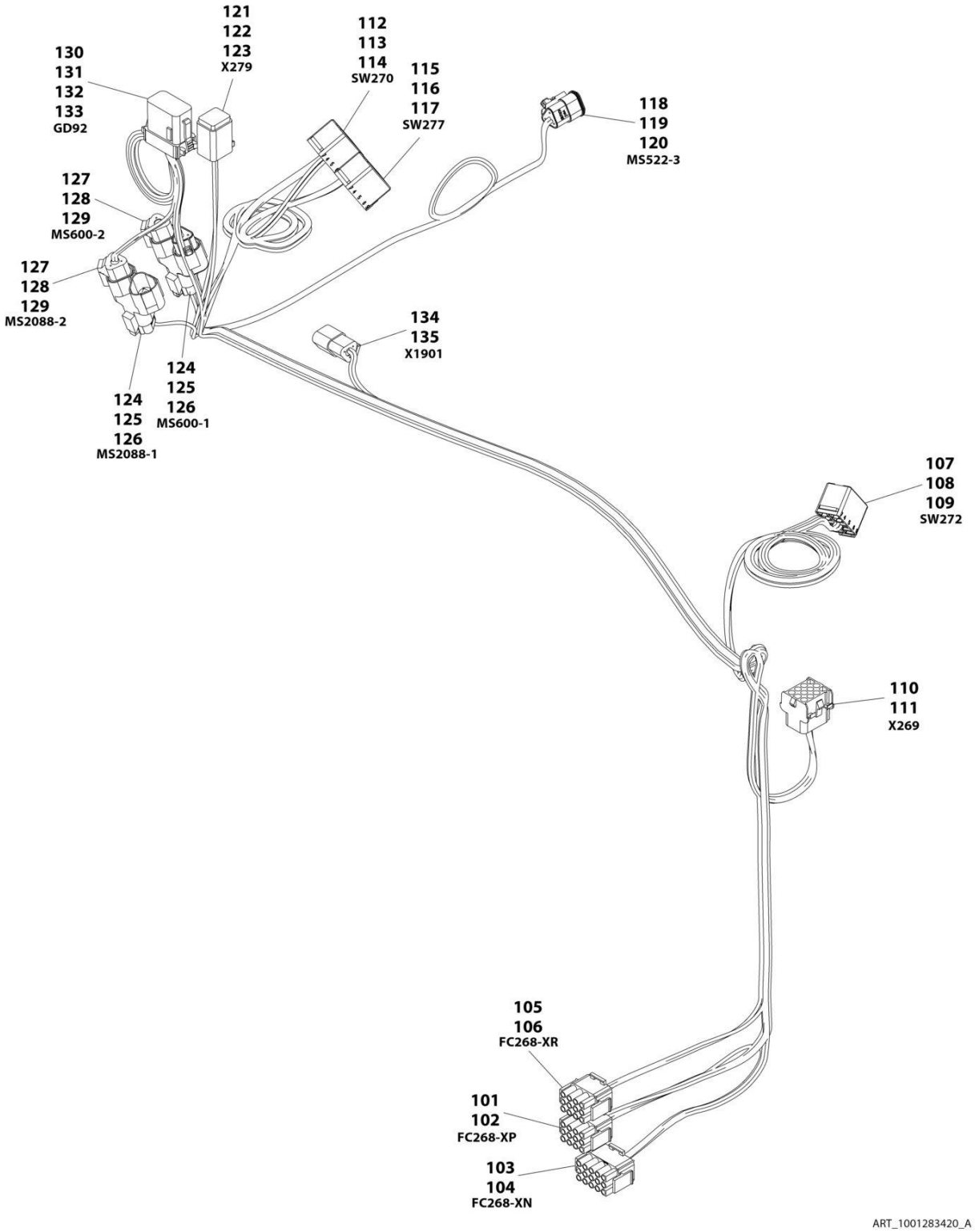


FIGURE 10-34. CAB OPTION 2 HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001283420	Ref	CAB OPTION 2 HARNESS	A
101	4460343	1	Connector	
102	4460268	6	Terminal	
103	4460434	1	Connector	
104	4460268	8	Terminal	
105	4460343	1	Connector	
106	4460267	3	Terminal	
107	1001117081	1	Connector	
108	1001118384	1	Terminal	
109	1001116723	6	Terminal	
110	4460367	1	Connector	
111	4460267	7	Terminal	
112	1001117081	1	Connector	
113	1001118384	2	Terminal	
114	1001116723	4	Terminal	
115	1001117081	1	Connector	
116	1001118384	3	Terminal	
117	1001116723	2	Terminal	
118	1001116812	1	Connector	
119	4460944	2	Terminal	
120	4460466	1	Plug	
121	4460930	1	Connector	
122	4460466	6	Plug	
123	4460465	2	Terminal	
124	1001116812	2	Connector	
125	4460944	4	Terminal	
126	4460466	2	Plug	
127	4460539	2	Connector	
128	4460944	4	Terminal	
129	4460466	2	Plug	
130	1001176333	1	Connector	
131	4460466	11	Plug	
132	4460465	3	Terminal	
133	4460944	4	Terminal	
134	4460539	1	Connector	
135	4460465	3	Terminal	

FIGURE 10-35. CAB MULTIFUNCTION DISPLAY INSTALLATION

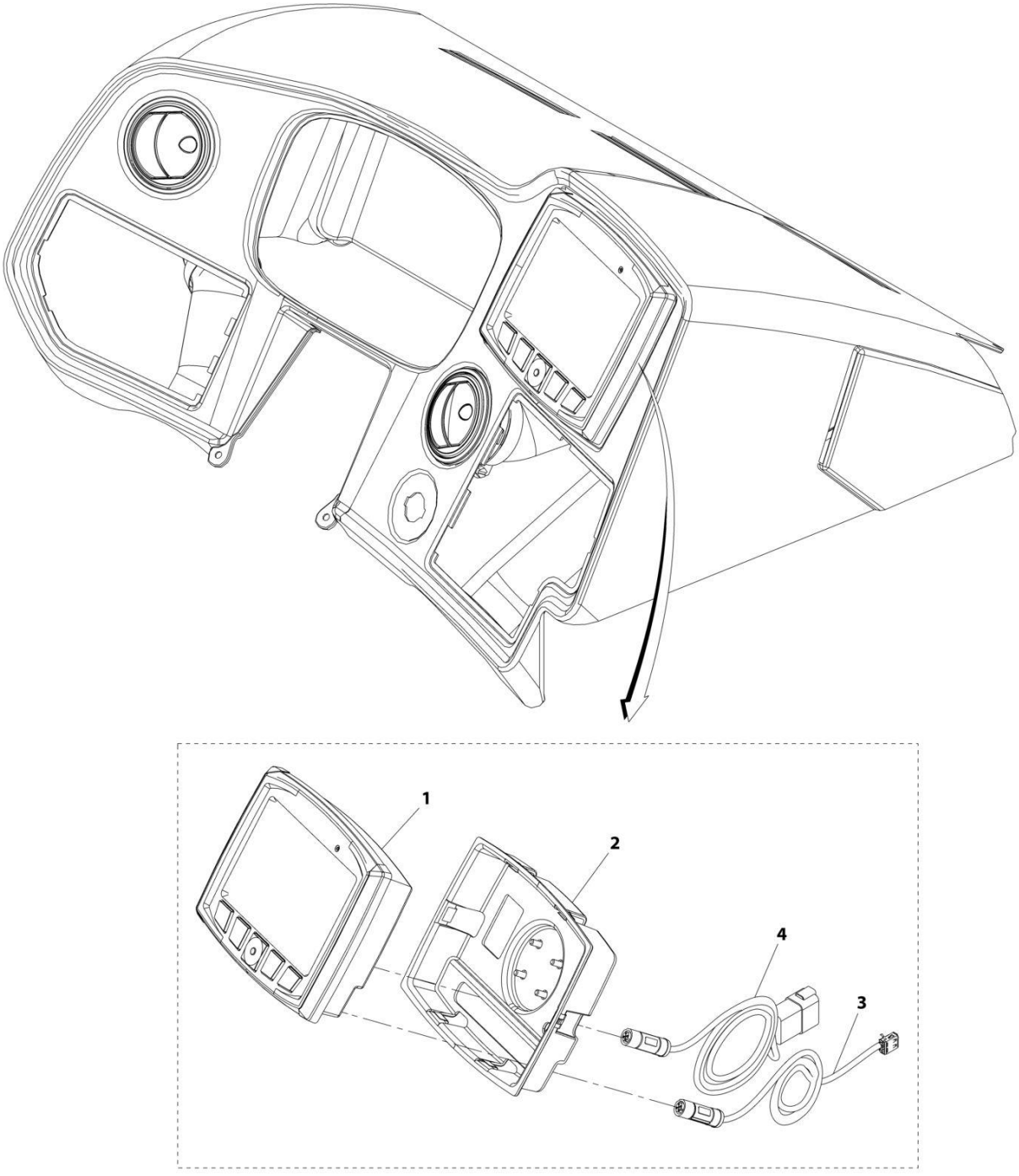


FIGURE 10-35. CAB MULTIFUNCTION DISPLAY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176338	Ref	Multifunction Display Installation	C
1	1001250161	1	Display	
2	1001178783	1	Bezel	
3	1001180682	1	Cable	
4	1001180683	1	Cable, Video	

FIGURE 10-36. CAB SEAT BELT ALARM HARNESS

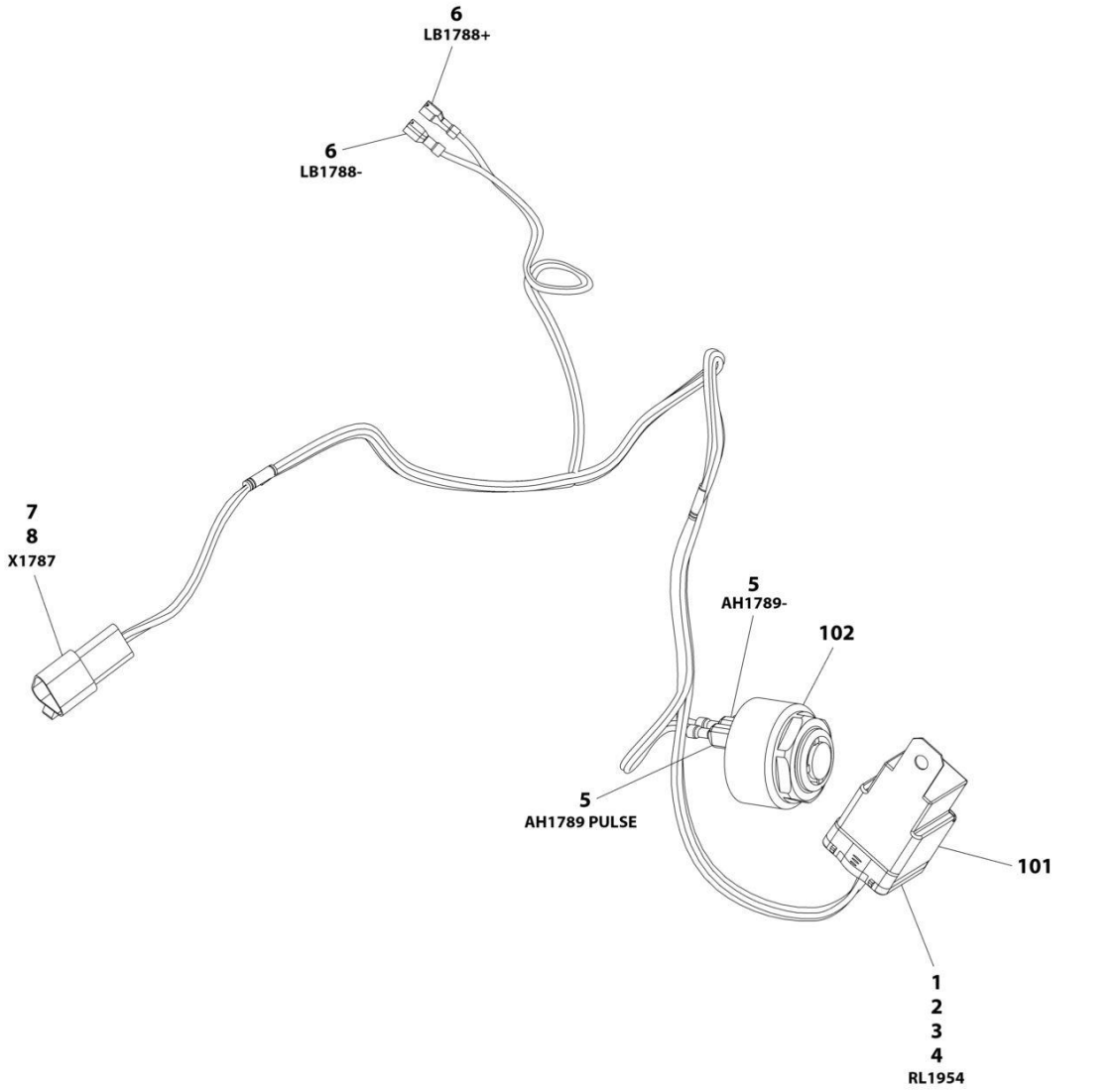


FIGURE 10-36. CAB SEAT BELT ALARM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268744	Ref	SEAT BELT ALARAM HARNESS	A
1	1001231398	1	Connector	
2	1001231400	4	Terminal	
3	1001231406	1	Terminal	
4	1001231404	4	Plug	
5	1001194421	2	Terminal	
6	1001201885	2	Terminal	
7	4460536	1	Connector	
8	4460464	3	Terminal	
101	3740080	1	Relay, Weather Proof	
102	1001091751	1	Buzzer Alarm	

FIGURE 10-37. CLEARSKY TELEMATICS CANBUS INSTALLATION (CLEARSKY 2) (ANSI)

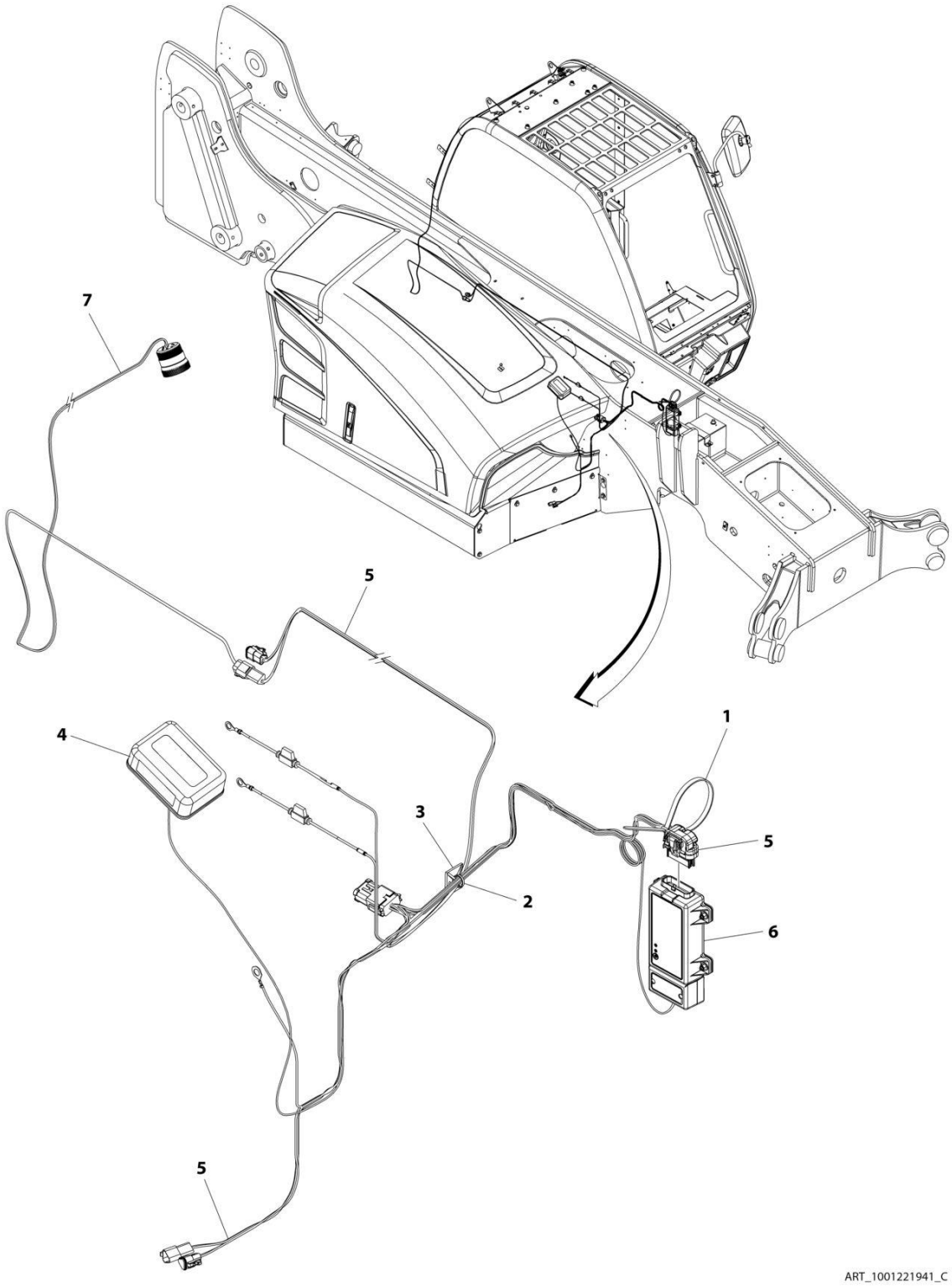


FIGURE 10-37. CLEARSKY TELEMATICS CANBUS INSTALLATION (CLEARSKY 2) (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221941	Ref	Telematics Canbus Installation (Clearsky 2)	C
1	1062255	AR	Tie, Strap	
2	4240032	AR	Tie, Strap	
3	4460234	AR	Tie, Strap	
4	1001262326	1	Antenna	
5	1001227297	1	Harness, 4ward Telematics (Clearsky 2) (See Separate Breakdown in this section)	
6	1001262322	1	Module	
7	1001254185	1	Harness, Adapter (See Separate Breakdown in this section)	

FIGURE 10-38. CLEARSKY TELEMATICS CANBUS INSTALLATION (CLEARSKY 2) (CE)

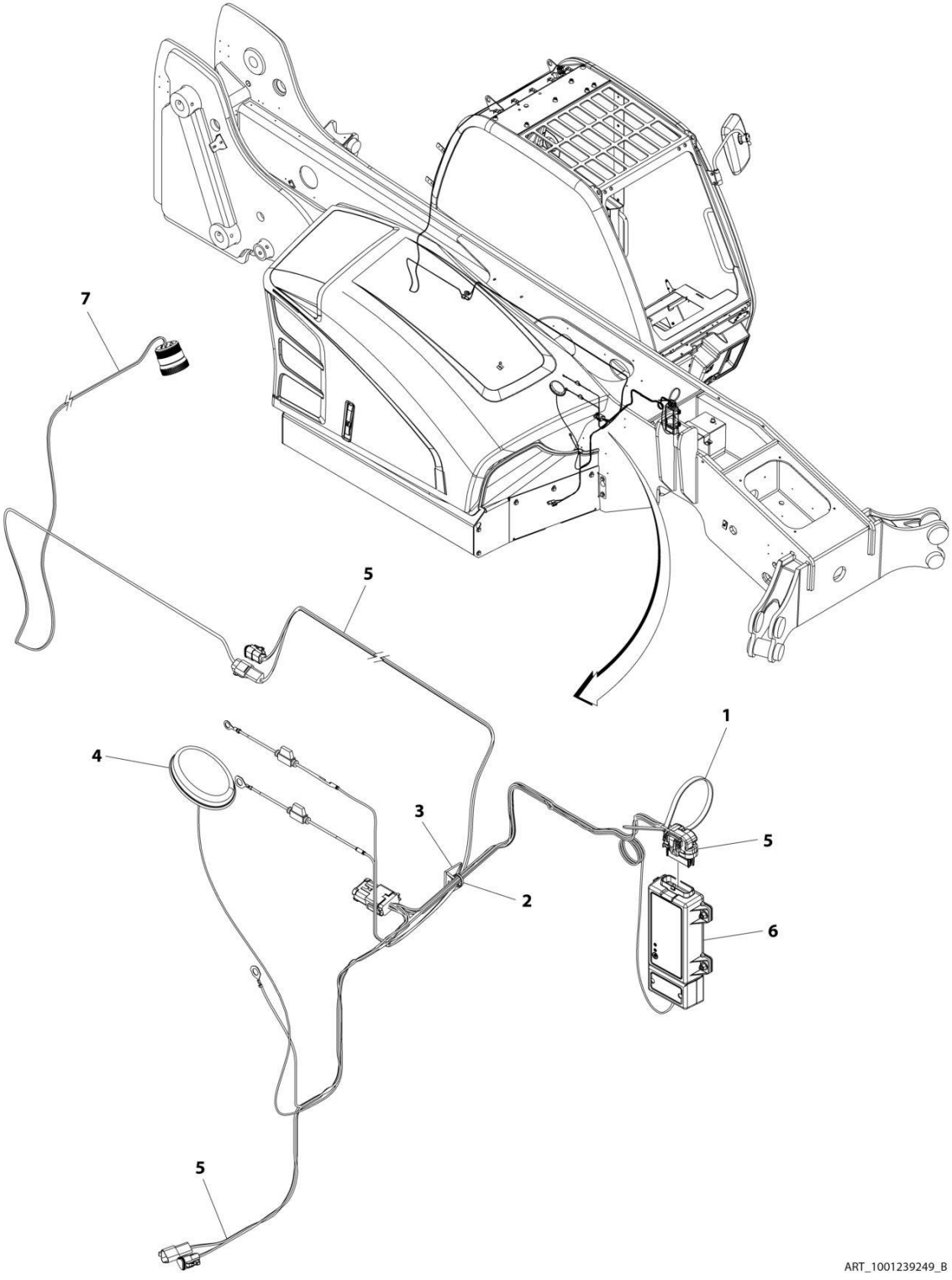


FIGURE 10-38. CLEARSKY TELEMATICS CANBUS INSTALLATION (CLEARSKY 2) (CE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239249	Ref	Telematics Canbus Installation (Clearsky 2) (CE)	B
1	1062255	AR	Tie, Strap	
2	4240032	AR	Tie, Strap	
3	4460234	AR	Tie, Strap	
4	1001226799	1	Antenna	
5	1001227297	1	Harness, 4ward Telematics (Clearsky 2) (See Separate Breakdown in this section)	
6	1001239194	1	Module	
7	1001254185	1	Harness, Adapter (See Separate Breakdown in this section)	

FIGURE 10-39. CLEARSKY TELEMATICS CANBUS HARNESS (CLEARSKY 2)

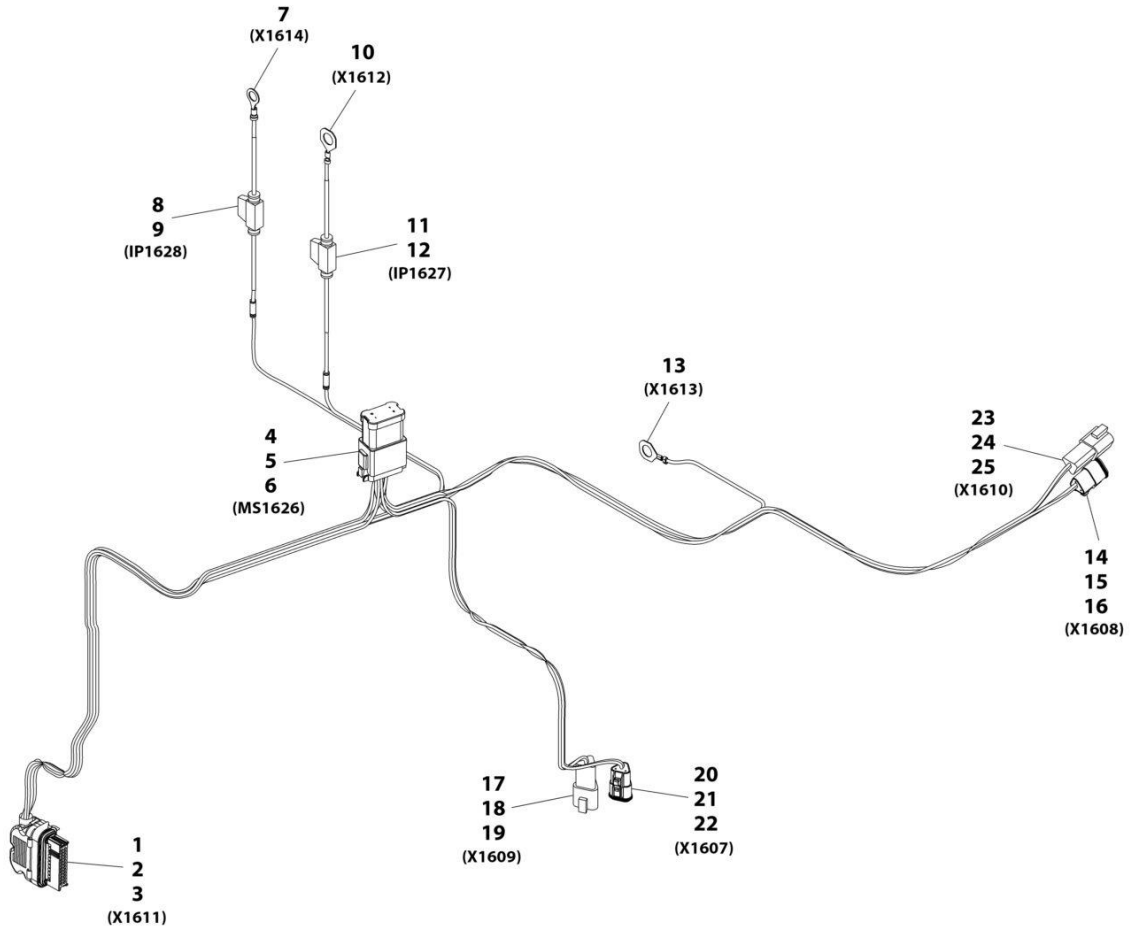


FIGURE 10-39. CLEARSKY TELEMATICS CANBUS HARNESS (CLEARSKY 2)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227297	Ref	TELEMATIC 4WARD HARNESS (CLEARSKY 2)	C
1	1001226636	1	Connector	
2	1001226637	7	Terminal	
3	1001116731	17	Plug	
4	4460933	1	Connector	
5	4460465	12	Terminal	
6	1001200206	1	Connector, DT 12 Pin 4X3 Buss	
7	4460670	1	Connector	
8	2400060	1	Connector	
9	8229242	1	Fuse, 5amp	
10	1001187078	1	Connector	
11	2400060	1	Connector	
12	8229242	1	Fuse, 5amp	
13	1001187077	1	Connector	
14	1001116812	1	Connector	
15	4460465	2	Terminal	
16	4460466	1	Plug	
17	1001144147	1	Connector	
18	4460464	2	Terminal	
19	4460466	1	Plug	
20	1001116812	1	Connector	
21	4460465	2	Terminal	
22	4460466	1	Plug	
23	1001144147	1	Connector	
24	4460464	2	Terminal	
25	4460466	1	Plug	

FIGURE 10-40. CLEARSKY TELEMATICS ADAPTER HARNESS

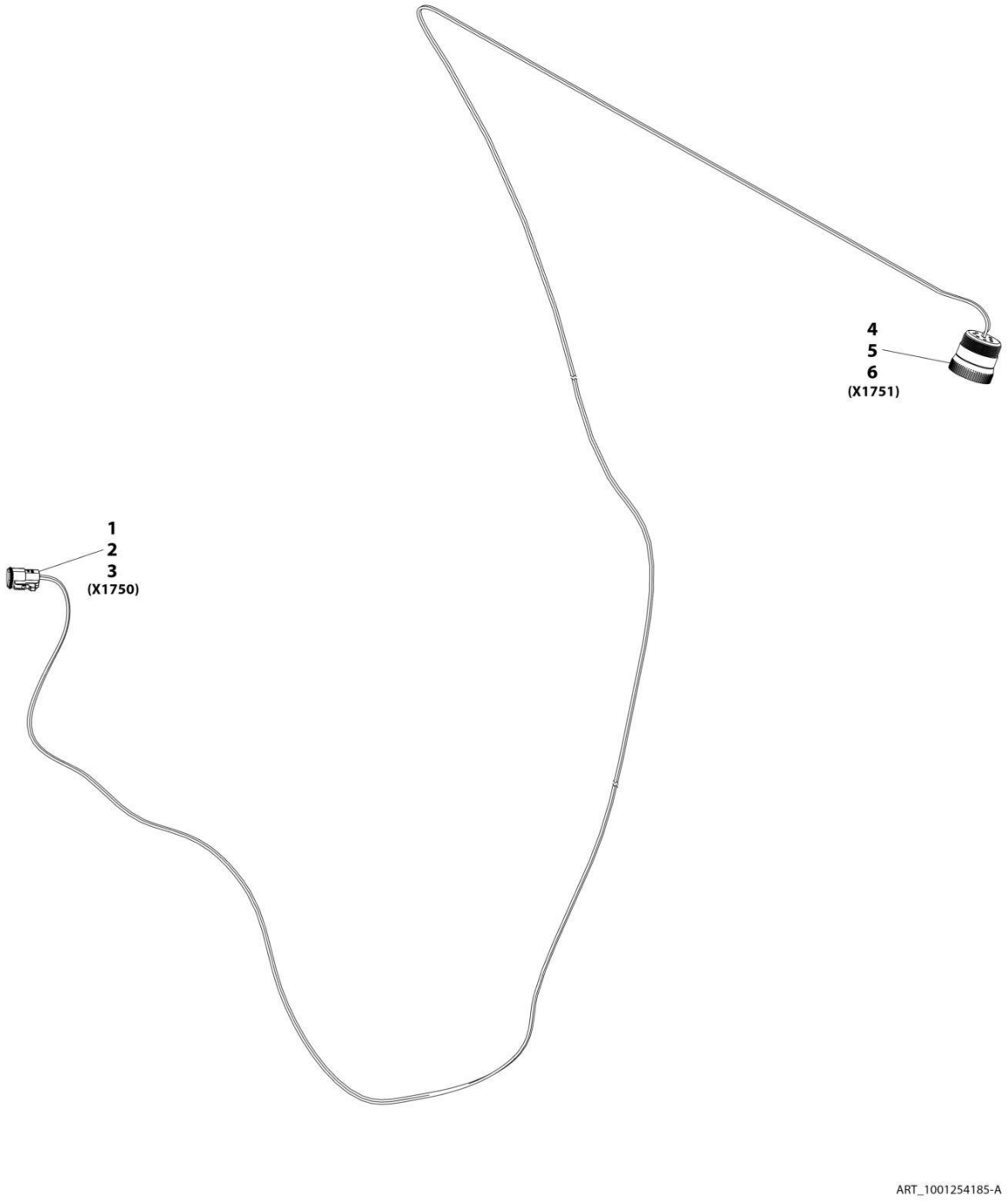


FIGURE 10-40. CLEARSKY TELEMATICS ADAPTER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001254185	Ref	TELEMATICS ADAPTER HARNESS	A
1	1001116812	1	Connector	
2	4460465	2	Terminal	
3	4460466	1	Plug	
4	1001112796	1	Connector	
5	4460944	2	Terminal	
6	4460466	7	Plug	

FIGURE 10-41. CLEARSKY TELEMATICS 3-WIRE INSTALLATION

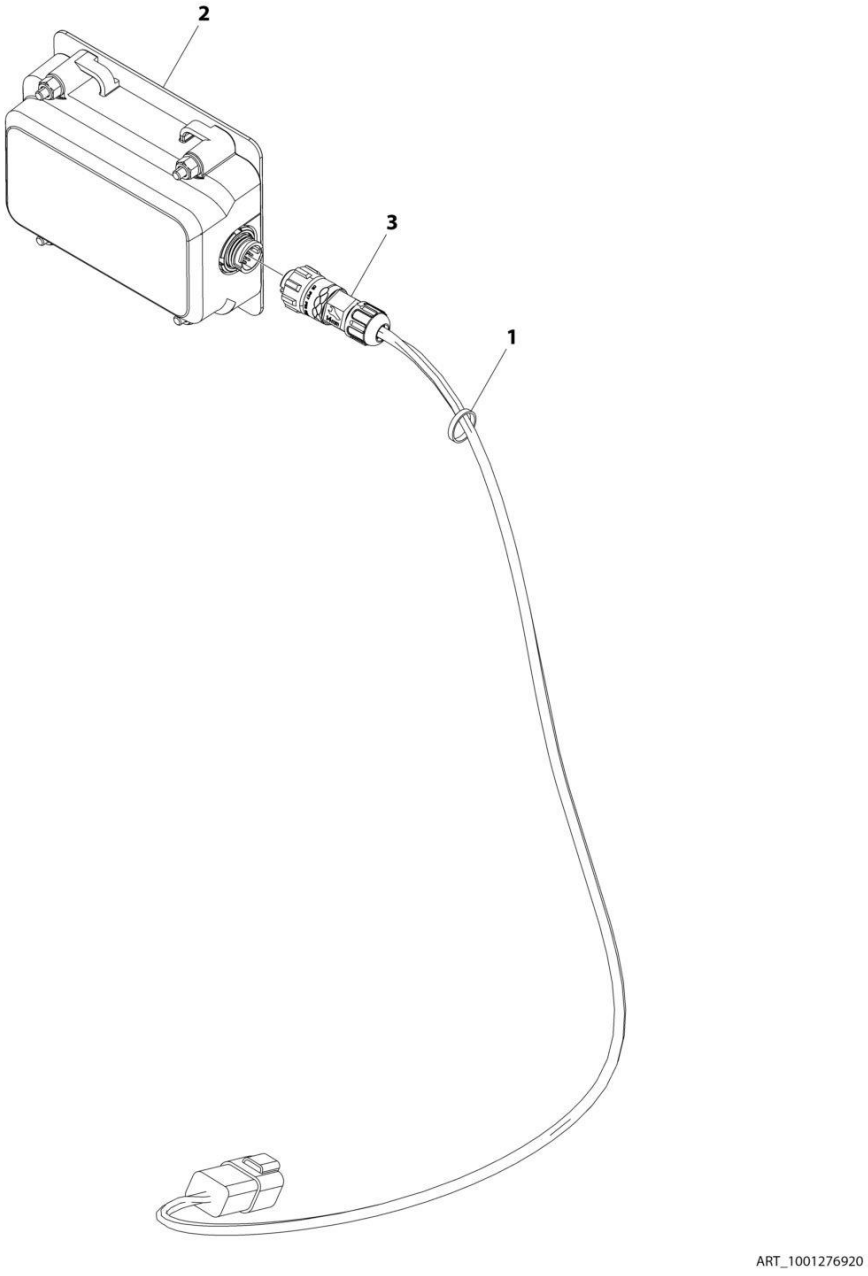


FIGURE 10-41. CLEARSKY TELEMATICS 3-WIRE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001276920	Ref	CLEARSKY TELEMATICS 3-WIRE INSTALLATION	A
1	4240032	AR	Tie, Strap	
2	1001272659	1	Module - GT1030	
3	1001273012	1	ClearSky Telematics 3-Wire Harness (See Separate Breakdown in this Section)	

FIGURE 10-42. CLEARSKY TELEMATICS 3-WIRE HARNESS

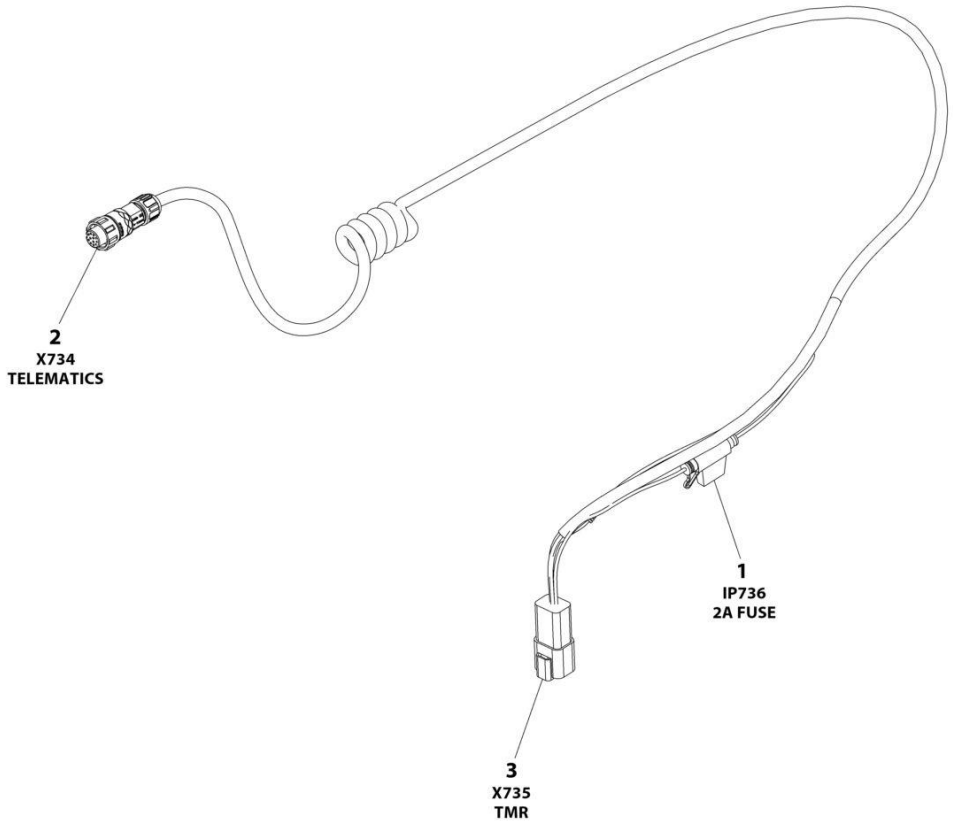


FIGURE 10-42. CLEARSKY TELEMATICS 3-WIRE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001273012	Ref	CLEARSKY TELEMATICS HARNESS - GT1030	D
1	1001255901	1	Fuseholder	
1	1001196634	1	Fuse - 2Amp	
2	1001272997	1	Connector - 12 Position	
2		Ref	Terminal	
3	4460932	1	Receptacle, Female - 4 Position	
3	4460464	4	Pin, Male	

FIGURE 10-43. CLEARSKY TELEMATICS READY INSTALLATION

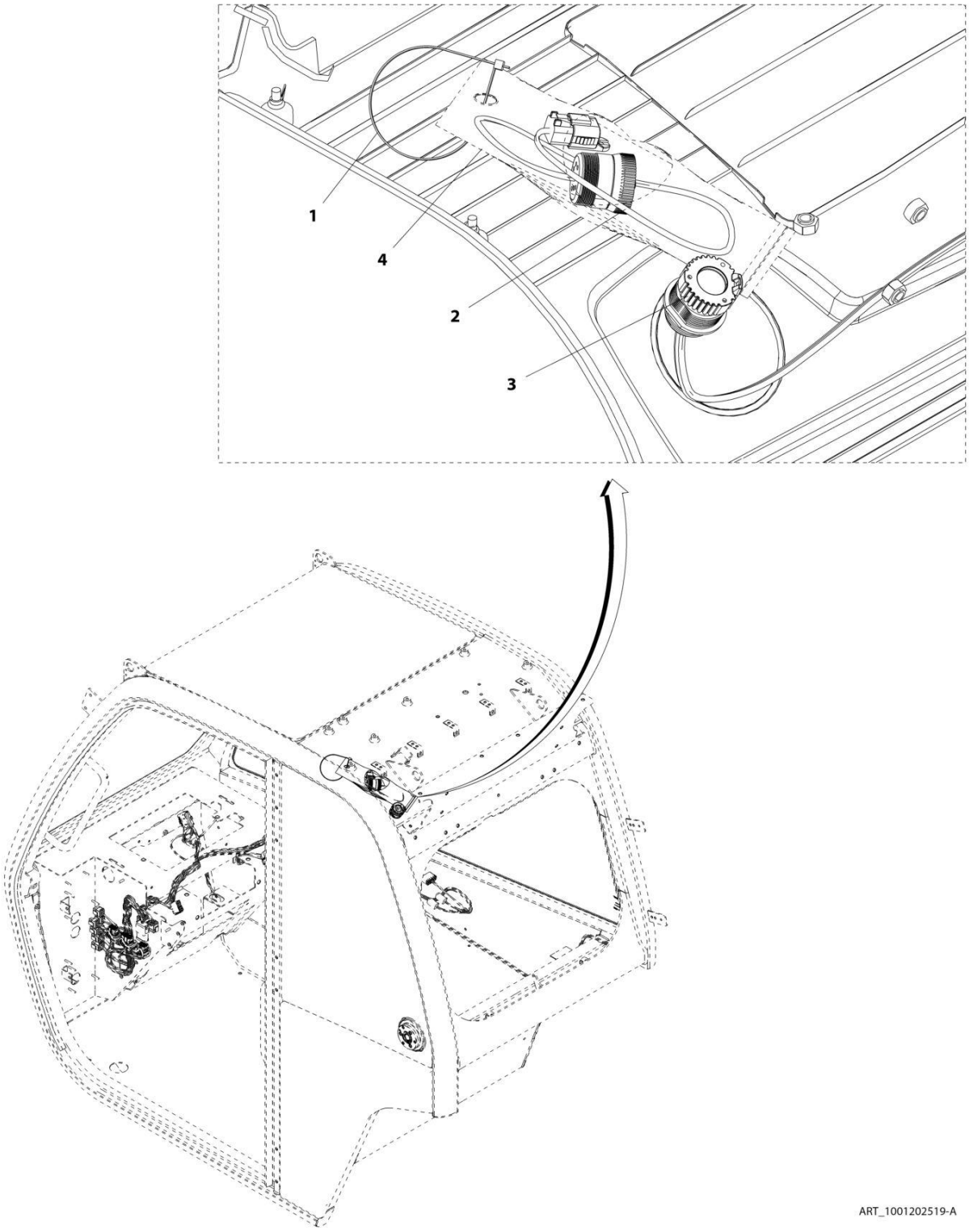


FIGURE 10-43. CLEARSKY TELEMATICS READY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202519	Ref	Telematics Ready Installation	A
1	8584003	1	Strap, Tie	
2	1001196289	1	Harness, Telematics Ready (See Separate Breakdown in ELECTRICAL Section)	
3	1001201162	1	Cap	
4	1001202617	1	Bag	

FIGURE 10-44. CLEARSKY TELEMATICS READY HARNESS

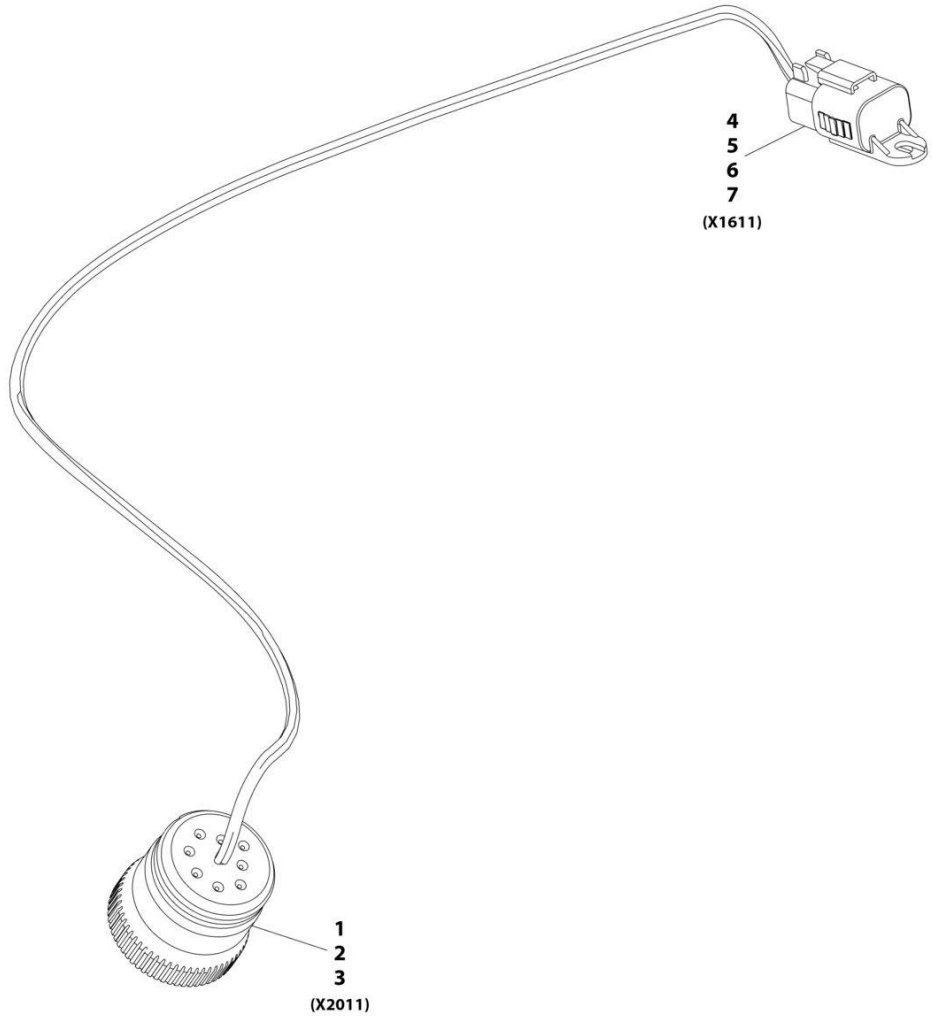


FIGURE 10-44. CLEARSKY TELEMATICS READY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196289	Ref	Telematics Ready Harness	A
1	1001112796	1	Connector	
2	4460465	3	Terminal	
3	4460466	6	Plug	
4	4460884	1	Connector	
5	80604021	1	Lock, Connector	
6	4460465	3	Terminal	
7	4460466	1	Terminal	

FIGURE 10-45. DEF PURGE LIGHT HARNESS (110HP) (ULS)

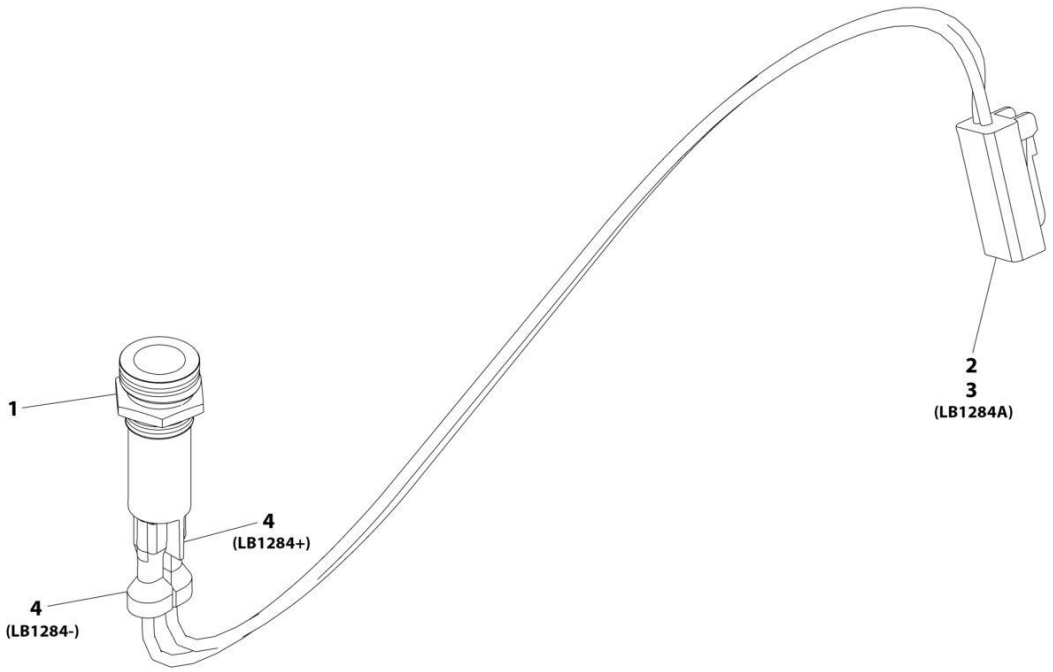


FIGURE 10-45. DEF PURGE LIGHT HARNESS (110HP) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232288	Ref	DEF Purge Light Harness	A
1	1001169825	1	LED Lamp 12V	
2	4461290	1	Connector	
3	1001126008	2	Terminal	
4	8220108	2	Connector	

FIGURE 10-46. ENGINE - WIRING INSTALLATION (74HP) (ULS)

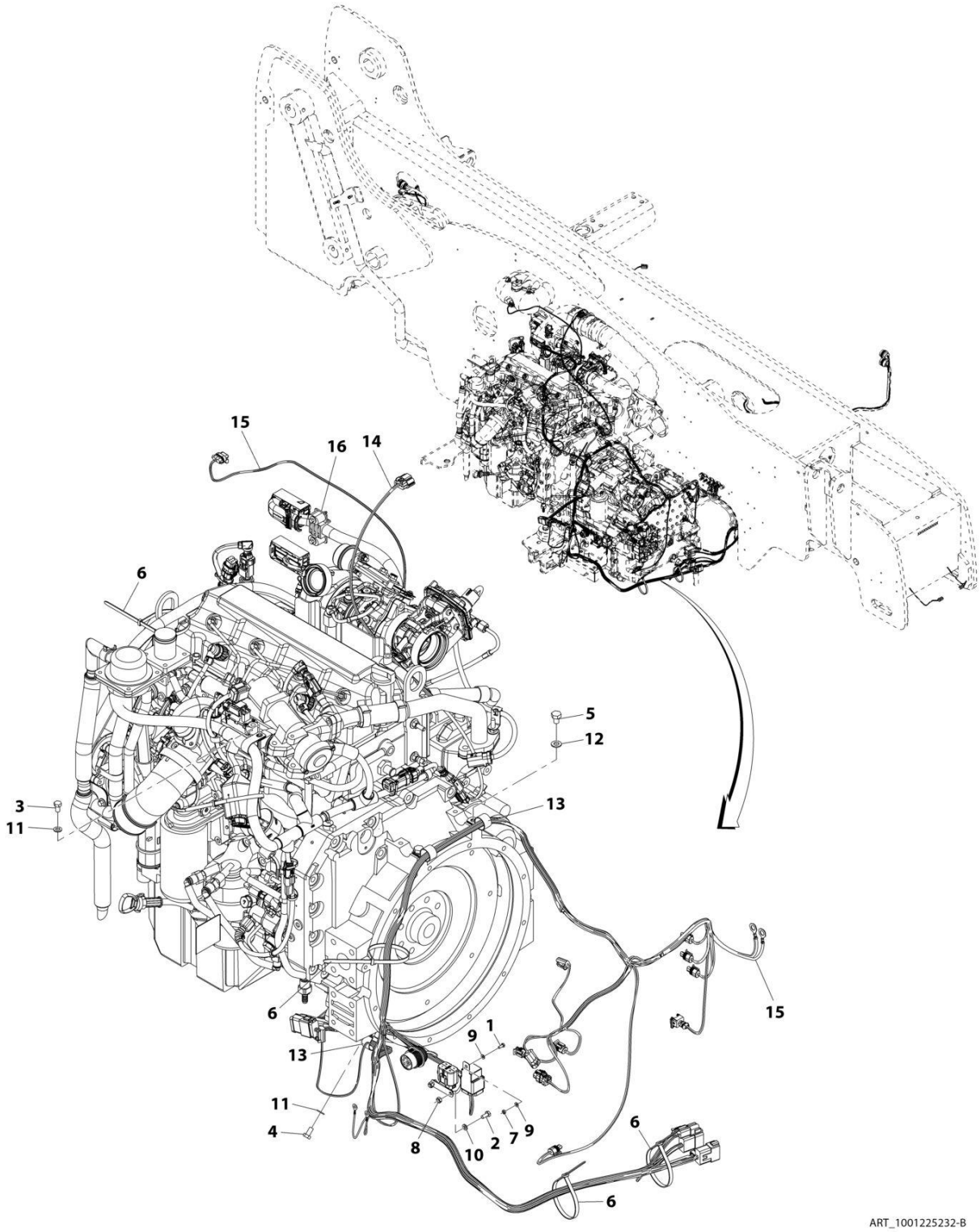
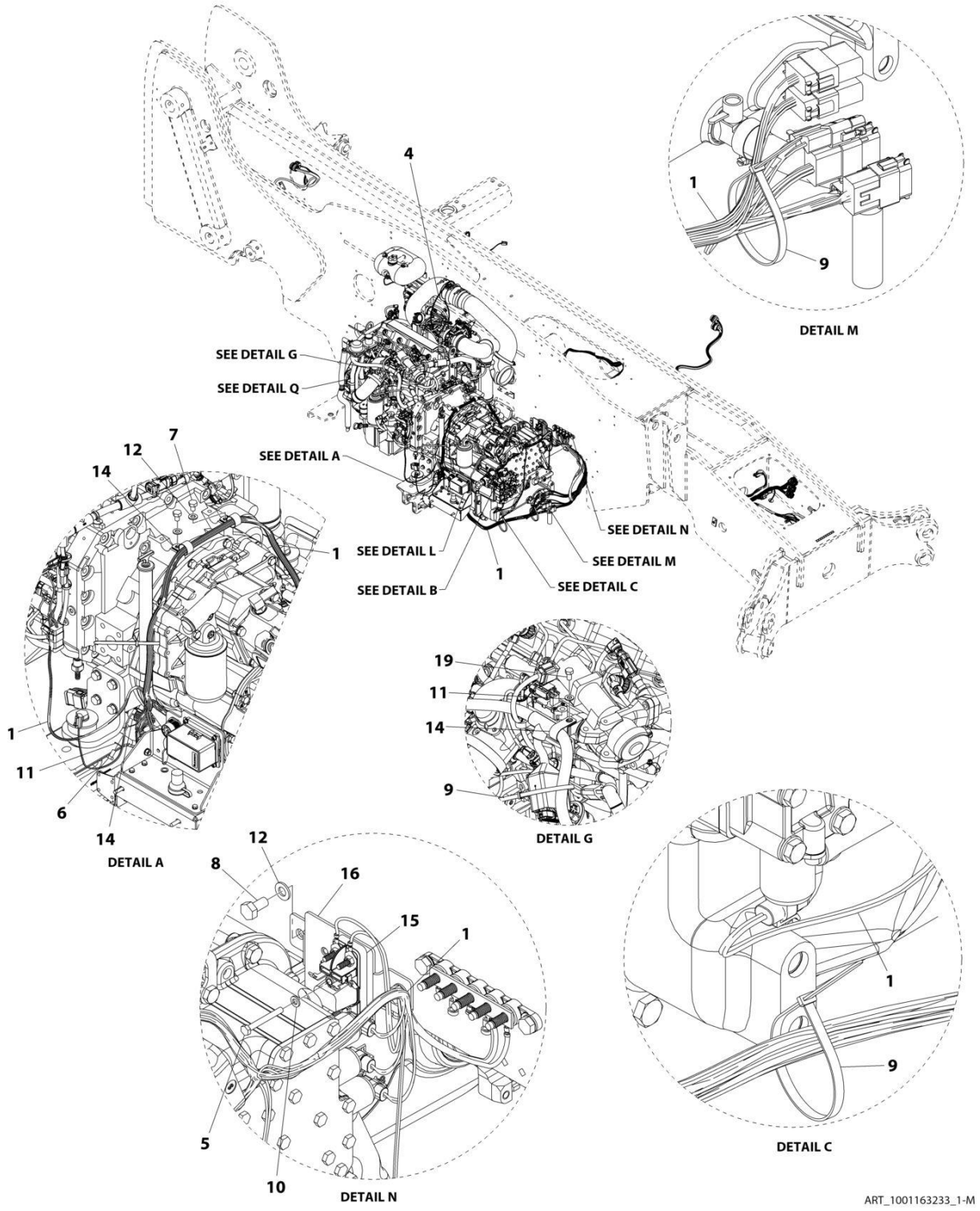
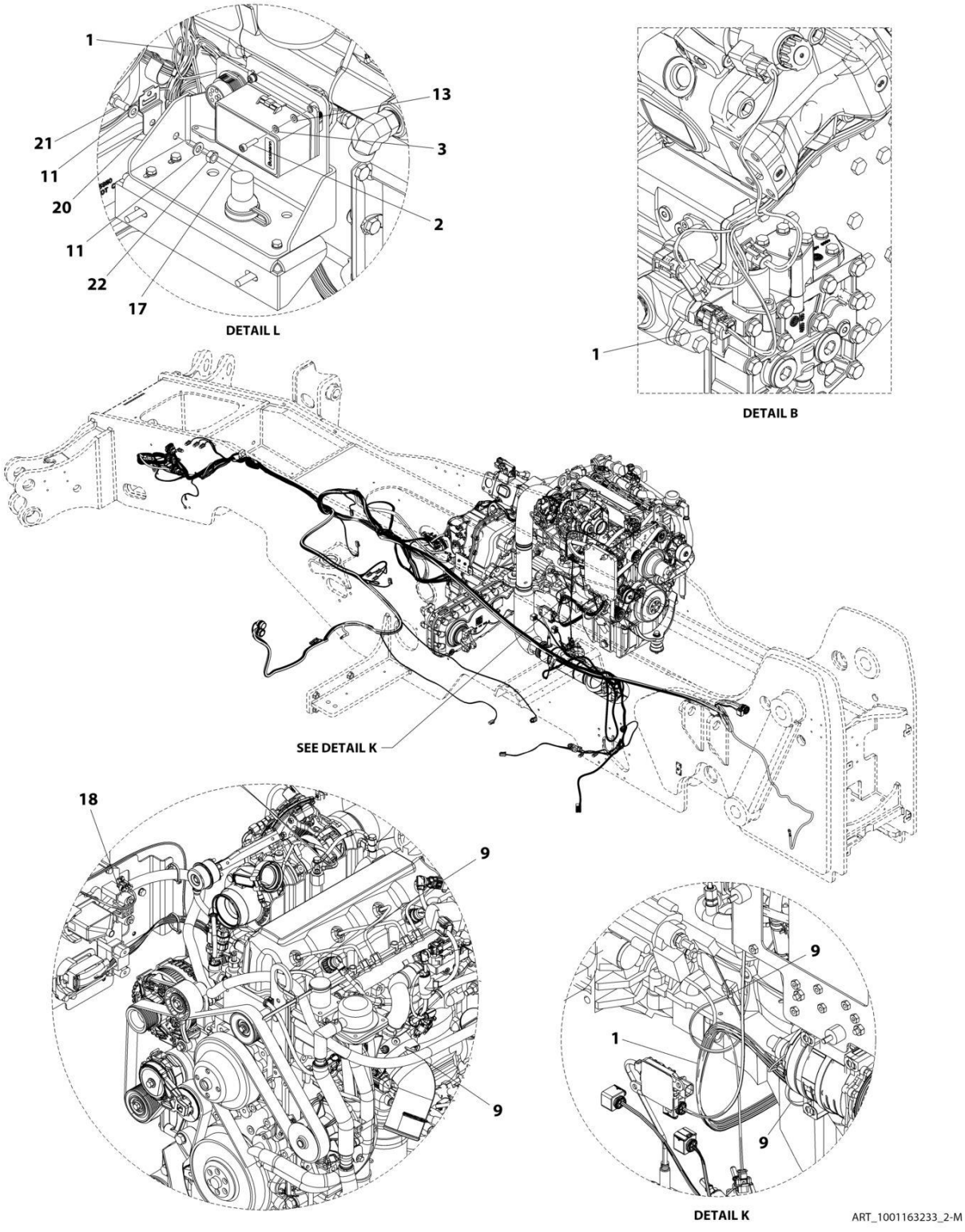


FIGURE 10-46. ENGINE - WIRING INSTALLATION (74HP) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225232	Ref	Engine Wiring Installation, 74HP (ULS)	B
1	0760405	1	Bolt, M4X10	
2	0760607	2	Bolt, M6X14	
3	0760807	1	Bolt, M8X14	
4	0760808	1	Bolt, M8X16	
5	0761007	2	Bolt, M10X14	
6	1062255	8	Strap, Tie	
7	3290401	1	Nut, M4X0.7	
8	3290601	2	Nut, M6X1 Grade 8	
9	4811400	2	Washer, M4	
10	4811700	2	Washer, M6	
11	4811900	2	Washer, M8	
12	4812000	2	Washer, M10	
13	8406201	4	Clip	
14	1001184835	1	Harness, TBAP (See Separate Breakdown in this Section)	
15	1001225067	1	Harness, Engine, Cummins 74HP (See Separate Breakdown in this Section)	
16	1001167646	1	Connector, Strain Relief	

FIGURE 10-47. ENGINE - WIRING INSTALLATION (110HP) (ULS)




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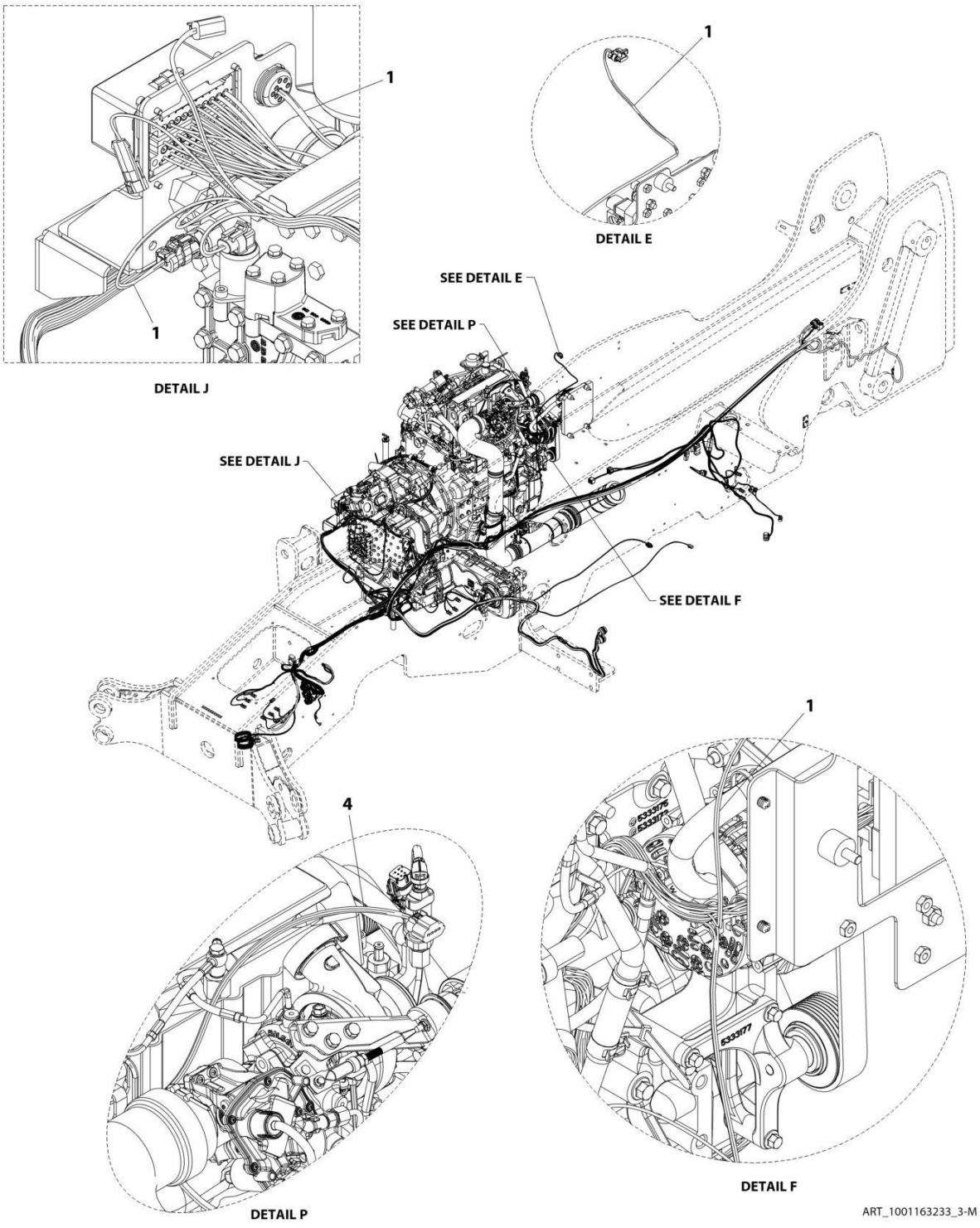
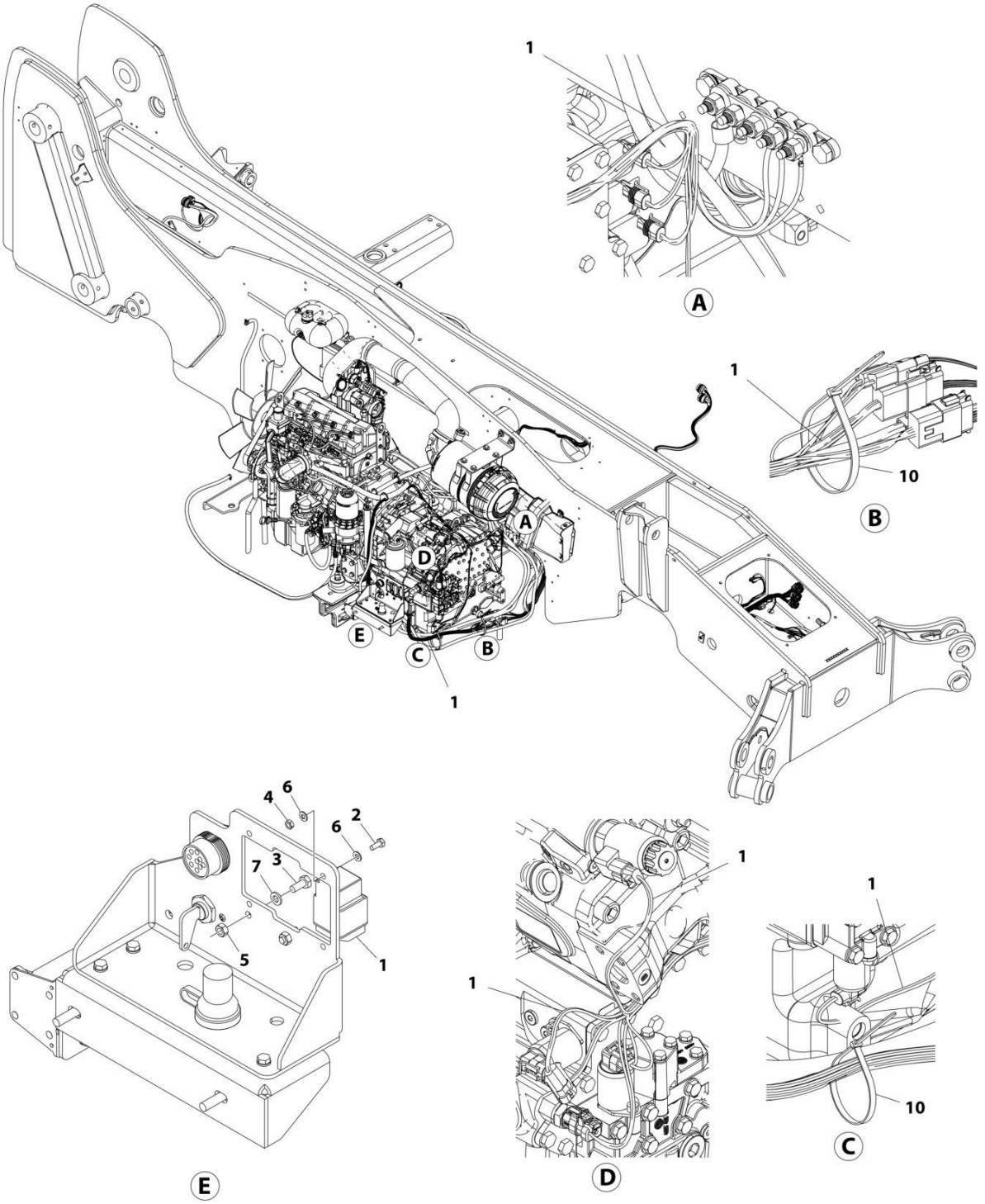
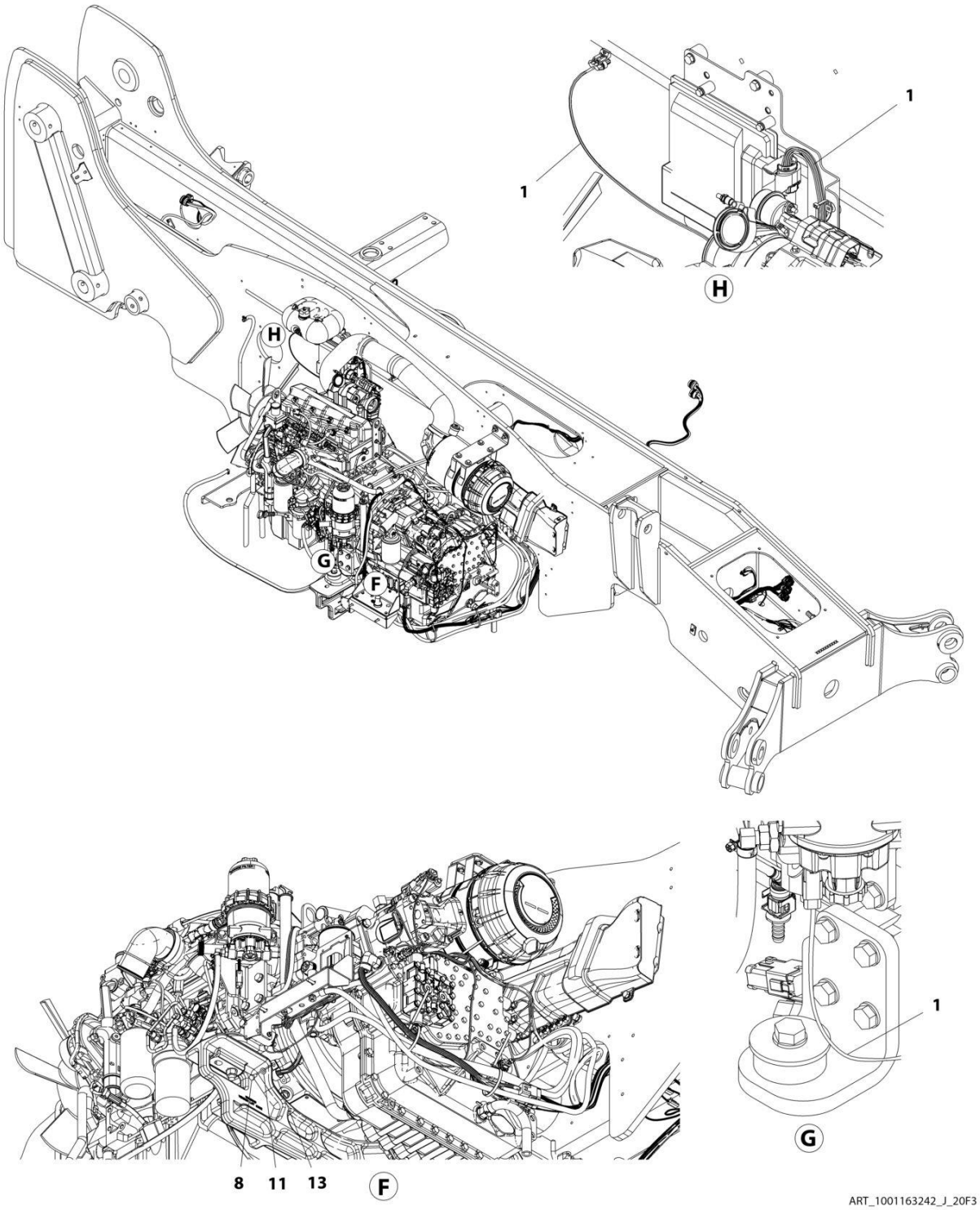

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SEE DETAIL E
SEE DETAIL P
SEE DETAIL J
SEE DETAIL F
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DETAIL P
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DETAIL F
ART_1001163233_3-M

FIGURE 10-47. ENGINE - WIRING INSTALLATION (110HP) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163233	Ref	Engine Wiring Installation (ULS)	M
1	1001235696	1	Harness, Engine (ULS) (See Separate Breakdown in this Section)	
2	4031608	4	Screw, M5X20	
3	4811600	4	Washer, M5	
4	1001184835	1	Harness, TBAP (See Separate Breakdown in this Section)	
5	0700618	1	Bolt, M6X50	
6	0760808	1	Bolt, M8X16	
7	0761007	2	Bolt, M10X14	
8	0761010	2	Bolt, M10X20	
9	1062255	8	Strap, Tie	
10	4811700	1	Washer, M6	
11	4811900	4	Washer, M8	
12	4812000	4	Washer, M10	
13	4831600	4	Washer, Lock M5	
14	8406201	4	Clip, Tube	
15	1001131177	1	Fuse, Power Module	
16	1001189046	1	Bracket	
17	1001191486	1	Decal	
18	1001167646	1	Connector, Strain Relief	
19	0760807	1	Bolt, M8X14	
20	1001153749	1	Clip	
21	0700808	1	Bolt, M8X16	
22	3290801	1	Hex Nut, M8X1.25	

FIGURE 10-48. ENGINE - WIRING INSTALLATION (110HP) (LS)




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ART_1001163242_J_20F3

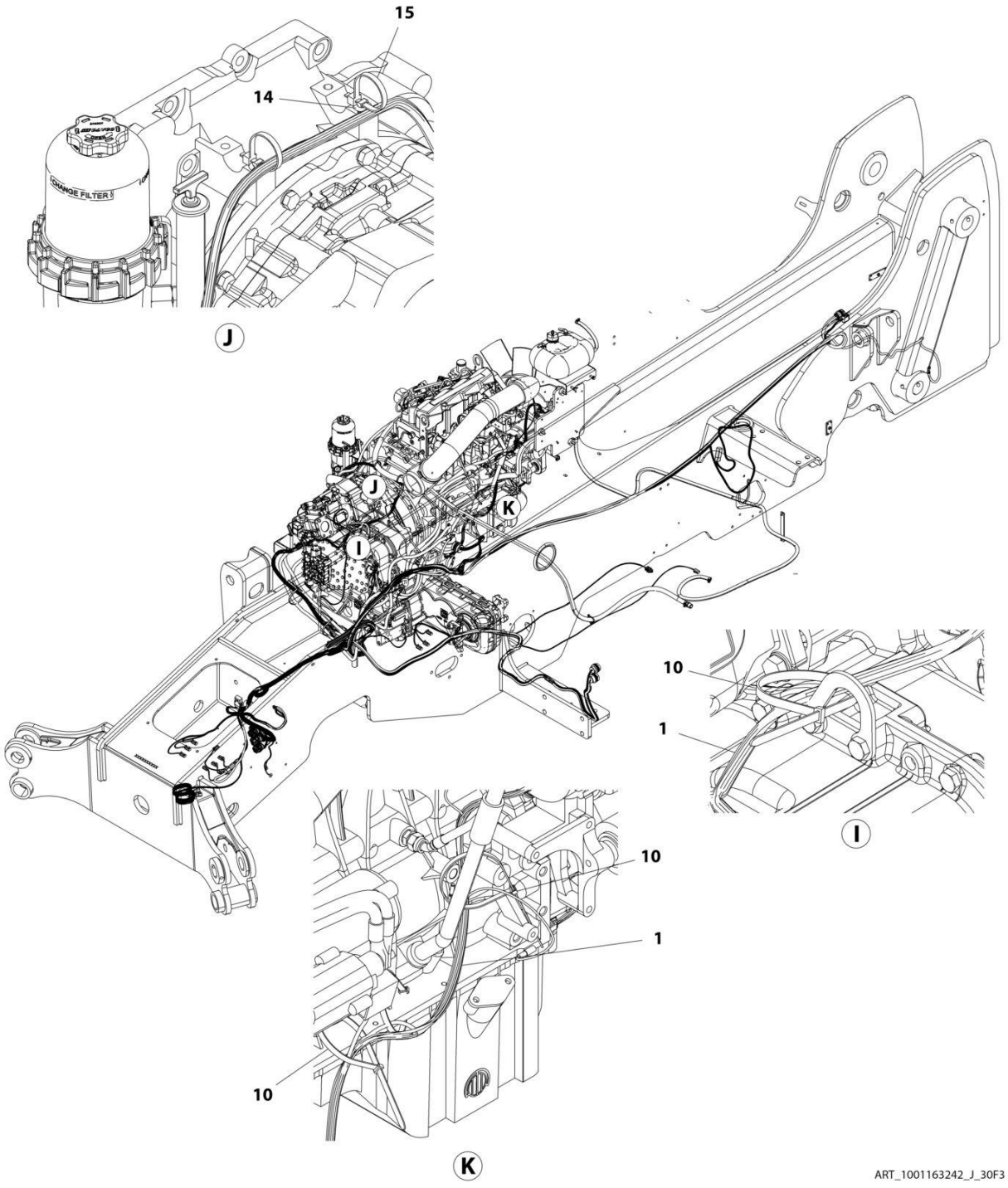

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CHANGE FILTER
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J
K
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K
ART_1001163242_J_30F3

FIGURE 10-48. ENGINE - WIRING INSTALLATION (110HP) (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163242	Ref	Engine Wiring Installation (LS)	J
1	1001222715	1	Harness, Engine (LS) (See Separate Breakdown in this Section)	
2	0760405	1	Bolt, M4X10	
3	0760607	2	Bolt, M6X14	
4	3290401	1	Nut, M4X0.7	
5	3290601	2	Nut, M6X1 Grade 8	
6	4811400	2	Washer, M4	
7	4811700	2	Washer, M6	
8	0760808	1	Bolt, M8X16	
10	1062255	5	Strap, Tie	
11	4811900	1	Washer, M8	
13	8406201	1	Clip	
14	1001202986	2	Strap, Tie	
15	1001008559	2	Strap, Tie	

FIGURE 10-49. ENGINE HARNESS (74HP) (ULS)

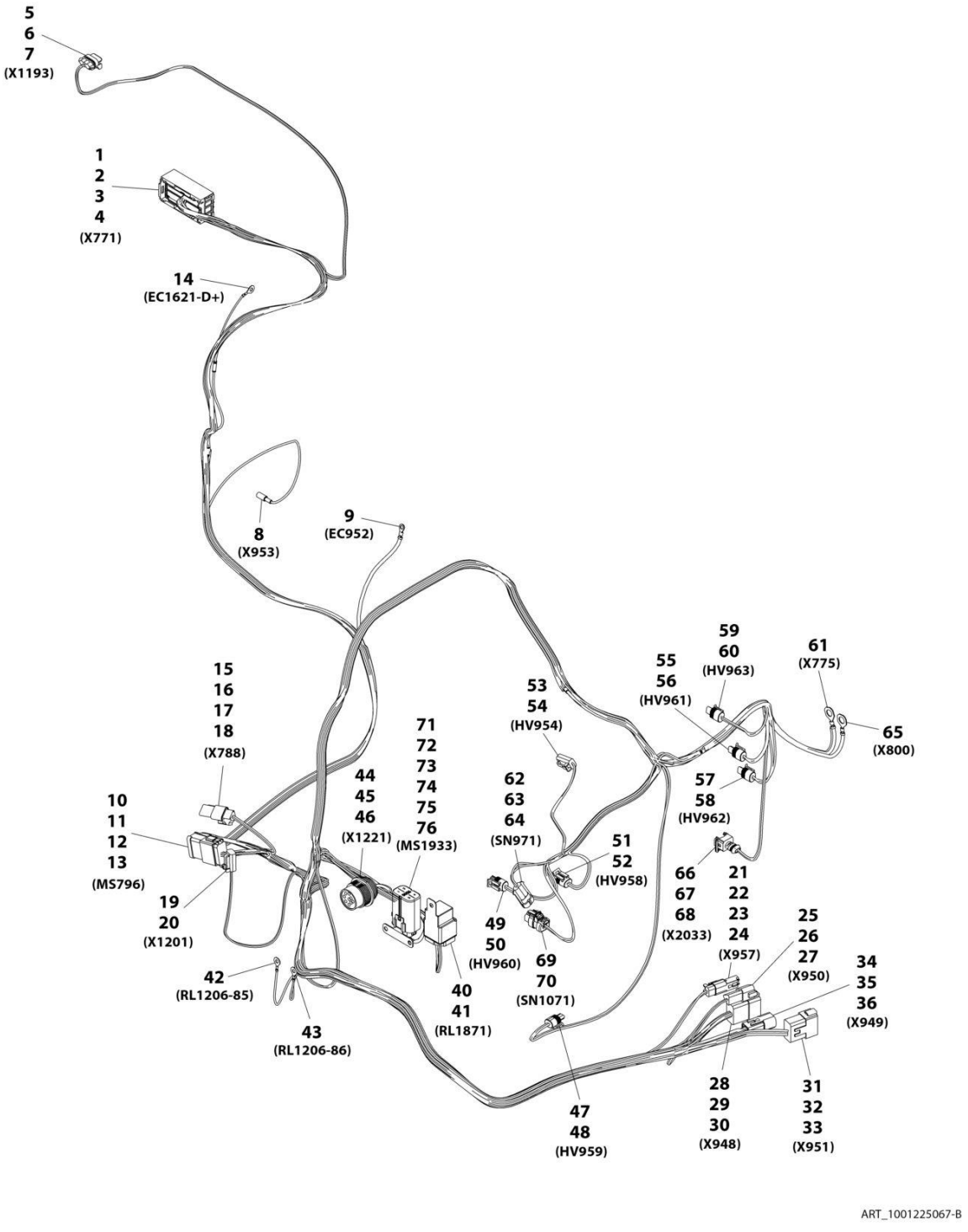


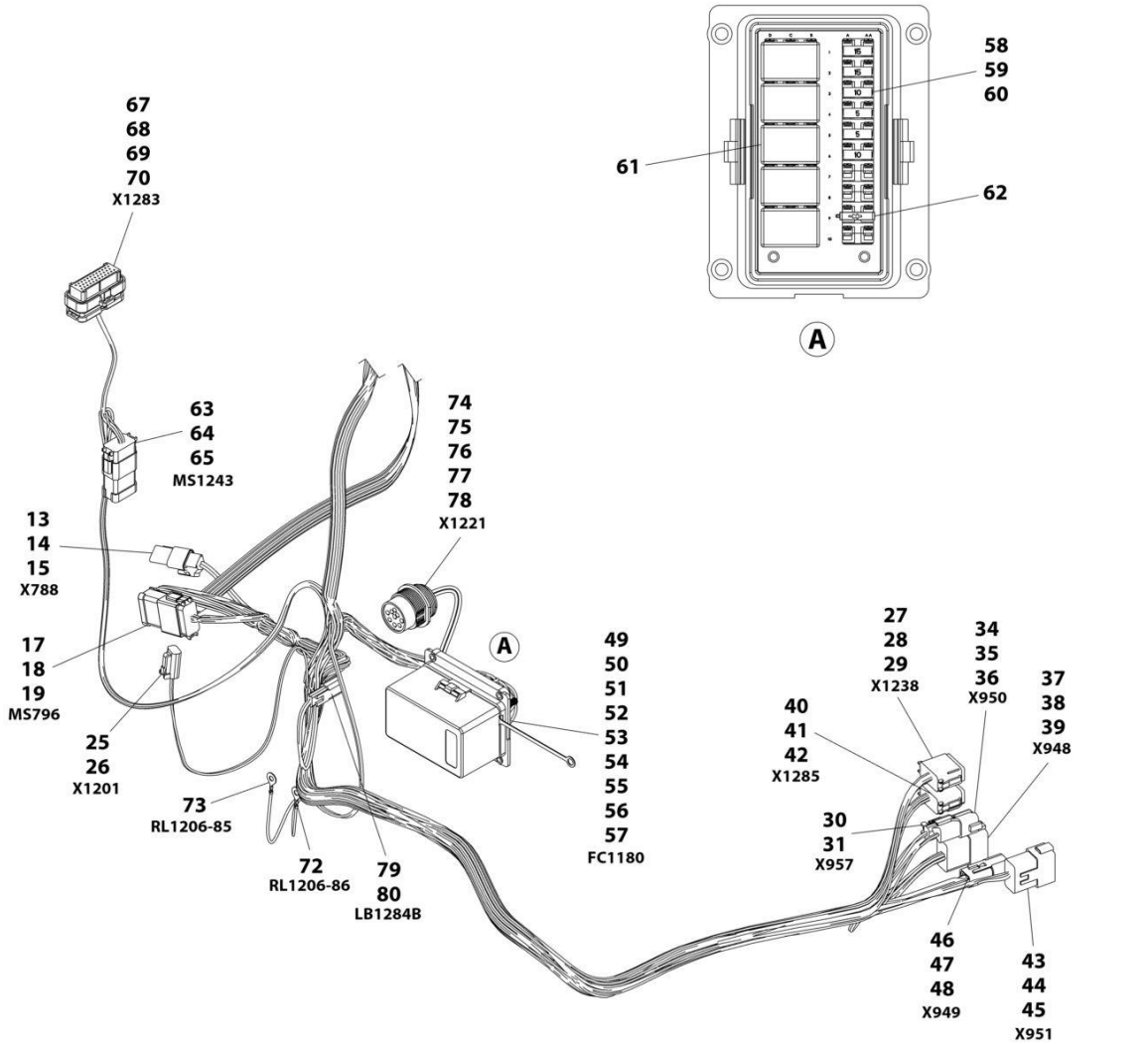
FIGURE 10-49. ENGINE HARNESS (74HP) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225067	Ref	Engine Harness, 74HP (ULS)	B
1	1001167641	1	Connector	
2	1001167648	10	Terminal	
3	1001167650	76	Plug	
4	1001167649	10	Terminal	
5	1001125027	1	Connector	
6	8220124	3	Terminal	
7	4460608	3	Seal	
8	1001246391	1	Terminal, Snap Plug	
9	1001197407	1	Ring, Terminal	
10	4460933	1	Connector	
11	1001125677	1	Terminal	
12	4460465	8	Terminal	
13	4460466	4	Plug	
14	1001187070	1	Ring, Terminal	
15	4461095	1	Connector	
16	4461070	1	Terminal	
17	4460944	2	Terminal	
18	4460466	1	Plug	
19	4460891	1	Connector	
20	4460465	2	Terminal	
21	4460891	1	Connector	
22	4460897	1	Terminal	
23	4460466	1	Plug	
24	4460465	2	Terminal	
25	1001144147	1	Connector	
26	4460464	2	Terminal	
27	4460466	1	Plug	
28	4460950	1	Connector	
29	4460464	9	Terminal	
30	4460466	3	Plug	
31	4460970	1	Connector	
32	4460464	8	Terminal	
33	4460466	4	Plug	
34	1001116811	1	Connector	
35	4460508	3	Terminal	
36	1001150610	1	Terminal	
40	1001145707	1	Connector	
41	1001116732	4	Terminal	
42	1001187070	1	Ring, Terminal	
43	1001187070	1	Ring, Terminal	
44	1001112612	1	Connector	
45	4460464	4	Terminal	
46	4460466	5	Plug	
47	4460955	1	Connector	
48	1001116748	2	Terminal	
49	4460955	1	Connector	
50	1001116748	2	Terminal	
51	4460955	1	Connector	
52	1001116748	2	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53	4460891	1	Connector	
54	4460465	2	Terminal	
55	4460955	1	Connector	
56	1001116748	2	Terminal	
57	4460955	1	Connector	
58	1001116748	2	Terminal	
59	4460955	1	Connector	
60	1001116748	2	Terminal	
61	1001187080	1	Ring, Terminal	
62	1001117073	1	Connector	
63	1001116749	2	Terminal	
64	4460608	2	Seal	
65	1001187079	1	Ring, Terminal	
66	1001190322	1	Connector	
67	4461005	2	Terminal	
68	4461054	2	Seal	
69	1001116950	1	Connector	
70	4460465	2	Terminal	
71	80484081	1	Connector	
72	1001129286	1	Cap	
73	1001184548	1	Bracket	
74	1001234800	4	Terminal	
75	4460746	4	Terminal	
76	4460458	8	Seal	

FIGURE 10-50. ENGINE HARNESS (110HP) (ULS)



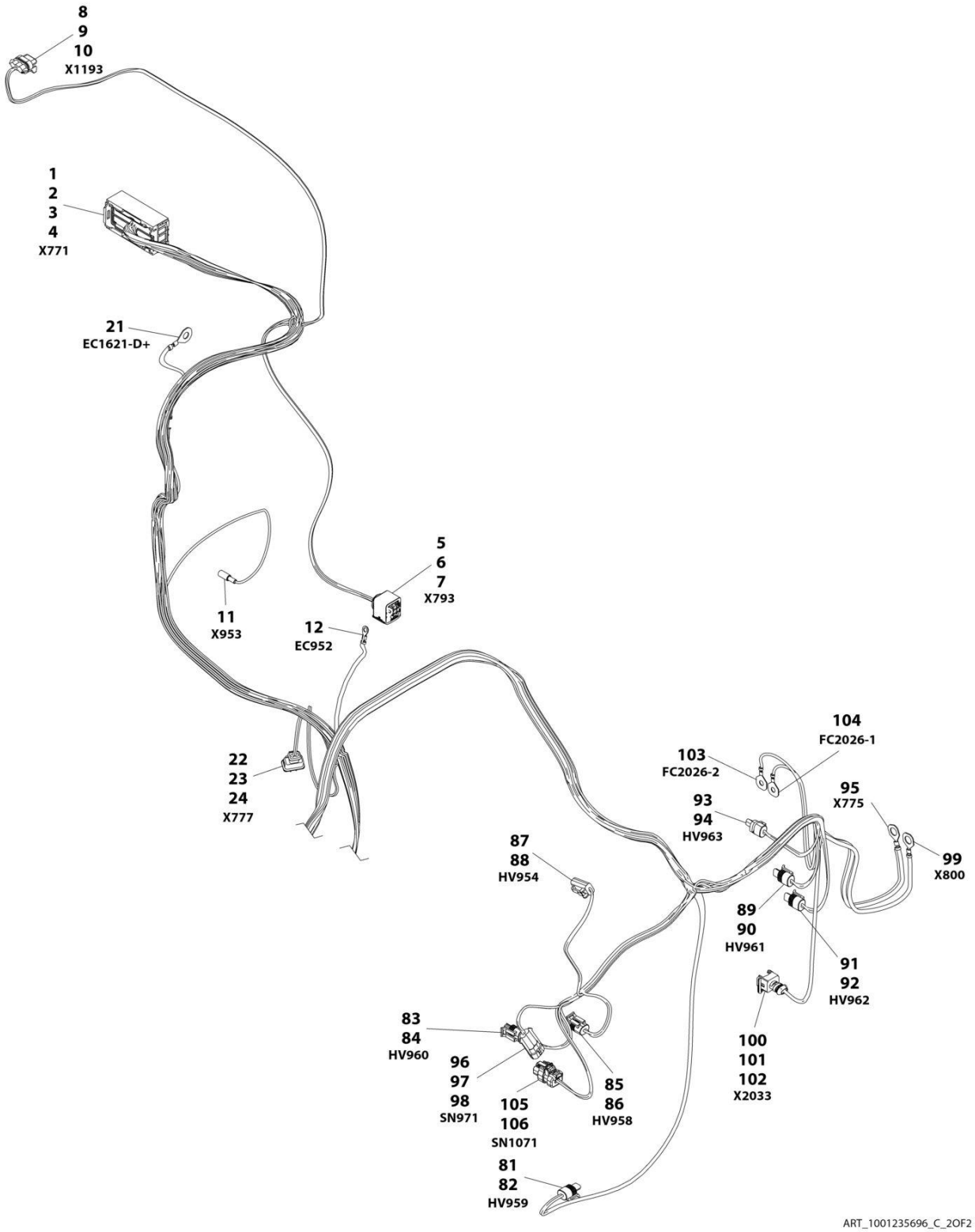

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X771
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X793
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X953
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EC952
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X777
104
FC2026-1
103
FC2026-2
95
X775
93
94
HV963
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X800
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HV954
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HV961
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HV962
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HV960
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98
SN971
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106
SN1071
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86
HV958
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101
102
X2033
81
82
HV959
ART_1001235696_C_2OF2

FIGURE 10-50. ENGINE HARNESS (110HP) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235696	Ref	Engine Harness (if equipped for ULS)	D
1	1001167641	1	Connector	
2	1001167648	10	Terminal	
3	1001167649	27	Terminal	
4	1001167650	59	Plug	
5	1001176935	1	Connector	
6	1001166704	4	Terminal	
7	4461006	4	Seal	
8	1001125027	1	Connector	
9	8220124	3	Terminal	
10	4460608	3	Seal	
11	1001246391	1	Terminal, Snap Plug	
12	1001197407	1	Ring, Terminal	
13	4461095	1	Connector	
14	4460944	2	Terminal	
15	4460466	1	Plug	
17	4460933	1	Connector	
18	4460465	8	Terminal	
19	4460466	4	Plug	
21	1001187070	1	Ring, Terminal	
22	1001126487	1	Connector	
23	1001167656	2	Terminal	
24	1001167657	2	Seal	
25	4460891	1	Connector	
26	4460465	2	Terminal	
27	4460934	1	Connector	
28	4460465	10	Terminal	
29	4460466	2	Plug	
30	4460891	1	Connector	
31	4460465	2	Terminal	
34	1001144147	1	Connector	
35	4460464	2	Terminal	
36	4460466	1	Plug	
37	4460950	1	Connector	
38	4460464	9	Terminal	
39	4460466	3	Plug	
40	4460935	1	Connector	
41	4460465	11	Terminal	
42	4460466	1	Plug	
43	4460970	1	Connector	
44	4460464	8	Terminal	
45	4460466	4	Plug	
46	1001116811	1	Connector	
47	4460508	3	Terminal	
48	1001150610	1	Terminal	
49	1001167616	1	Connector	
50	1001190921	1	Seal, Foam Fuse Box	
51	8220098	3	Terminal	
52	4460789	9	Seal	
53	8220097	29	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	4460458	23	Seal	
55	4460748	11	Plug	
56	1001116725	2	Terminal	
57	80963067	2	Plug	
58	8229244	2	Fuse, 15amp	
59	80983191	2	Fuse, 10amp	
60	8229242	2	Fuse, 5amp	
61	1001205172	5	Relay, 35amp	
62	1001177597	1	Diode, 6amp	
63	4460930	1	Connector	
64	4460465	6	Terminal	
65	4460466	2	Plug	
67	1001125083	1	Connector	
68	1001195782	7	Plug	
69	1001195781	14	Plug	
70	1001125085	3	Terminal	
72	1001187070	1	Ring, Terminal	
73	1001187070	1	Ring, Terminal	
74	1001112612	1	Connector	
75	4469464	4	Terminal	
76	4460466	5	Plug	
77	4460497	1	Nut	
78	4460496	1	Lockwasher	
79	1001153612	1	Connector	
80	1001126011	1	Terminal	
81	4460955	1	Connector	
82	1001116748	2	Terminal	
83	4460955	1	Connector	
84	1001116748	2	Terminal	
85	4460955	1	Connector	
86	1001116748	2	Terminal	
87	4460891	1	Connector	
88	4460465	2	Terminal	
89	4460955	1	Connector	
90	1001116748	2	Terminal	
91	4460955	1	Connector	
92	1001116748	2	Terminal	
93	4460955	1	Connector	
94	1001116748	2	Terminal	
95	1001187080	1	Ring, Terminal	
96	1001117073	1	Connector	
97	1001116749	2	Terminal	
98	4460608	2	Seal	
99	1001187079	1	Ring, Terminal	
100	1001190322	1	Connector	
101	4461005	2	Terminal	
102	4461054	2	Seal	
103	1001207171	1	Ring, Terminal	
104	1001207171	1	Ring, Terminal	
105	1001116950	1	Connector	
106	4460465	2	Terminal	

FIGURE 10-51. ENGINE HARNESS (110HP) (LS)

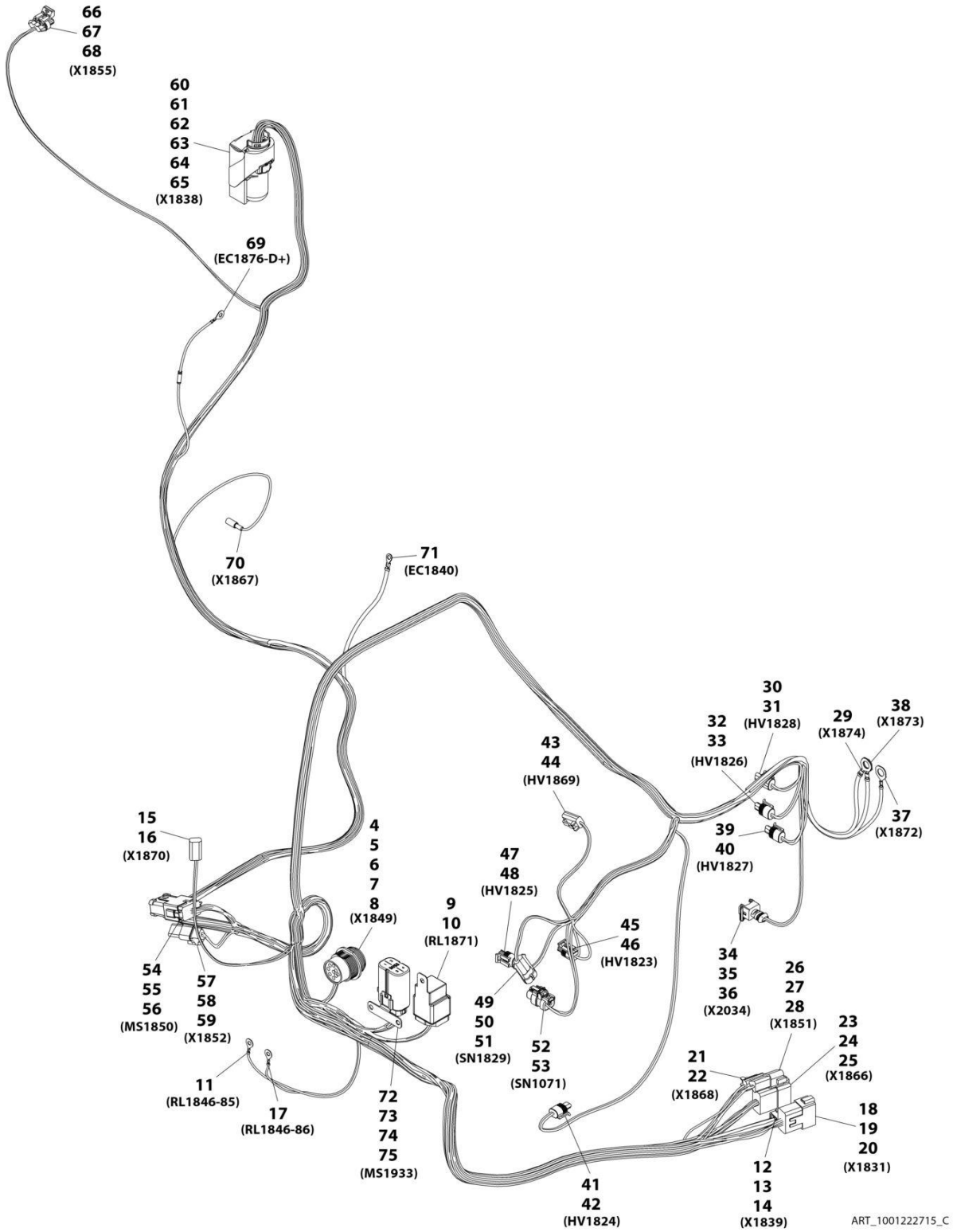


FIGURE 10-51. ENGINE HARNESS (110HP) (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222715	Ref	Engine Harness (LS)	C
4	1001112612	1	Connector	
5	4460464	4	Terminal	
6	4460466	5	Plug	
7	4460497	1	Nut	
8	4460496	1	Washer	
9	1001145707	1	Connector	
10	1001116732	4	Terminal	
11	1001187070	1	Ring, Terminal	
12	1001116811	1	Connector	
13	4460508	3	Terminal	
14	1001150610	1	Terminal	
15	4460891	1	Connector	
16	4460465	2	Terminal	
17	1001187070	1	Ring, Terminal	
18	4460970	1	Connector	
19	4460464	8	Terminal	
20	4460466	4	Plug	
21	4460891	1	Connector	
22	4460465	2	Terminal	
23	4460950	1	Connector	
24	4460464	9	Terminal	
25	4460466	3	Plug	
26	1001144147	1	Connector	
27	4460464	2	Terminal	
28	4460466	1	Plug	
29	1001187079	1	Ring, Terminal	
30	4460955	1	Connector	
31	1001116748	2	Terminal	
32	4460955	1	Connector	
33	1001116748	2	Terminal	
34	1001190322	1	Connector	
35	4461005	2	Terminal	
36	4461006	2	Seal	
37	1001187078	1	Ring, Terminal	
38	1001187079	1	Ring, Terminal	
39	4460955	1	Connector	
40	1001116748	2	Terminal	
41	4460955	1	Connector	
42	1001116748	2	Terminal	
43	4460891	1	Connector	
44	4460465	2	Terminal	
45	4460955	1	Connector	
46	1001116748	2	Terminal	
47	4460955	1	Connector	
48	1001116748	2	Terminal	
49	1001117073	1	Connector	
50	1001116749	2	Terminal	
51	4460608	2	Seal	
52	1001116950	1	Connector	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53	4460465	2	Terminal	
54	4460933	1	Connector	
55	4460465	8	Terminal	
56	4460466	4	Plug	
57	4461095	1	Connector	
58	4460943	2	Terminal	
59	4460466	1	Plug	
60	1001126349	1	Connector	
61	1001185824	6	Terminal	
62	1001185823	11	Terminal	
63	1001126353	6	Seal	
64	1001126357	4	Plug	
65	1001126356	73	Plug	
66	1001125027	1	Connector	
67	8220124	3	Terminal	
68	4460608	3	Seal	
69	1001187070	1	Ring, Terminal	
70	1001246391	1	Terminal, Snap Plug	
71	1001197407	1	Ring, Terminal	
72	1001184551	1	Connector	
73	1001234800	1	Terminal	
74	4460746	7	Terminal	
75	4460458	8	Seal	

FIGURE 10-52. ENGINE BAY - ELECTRICAL INSTALLATION (74HP) (ULS)

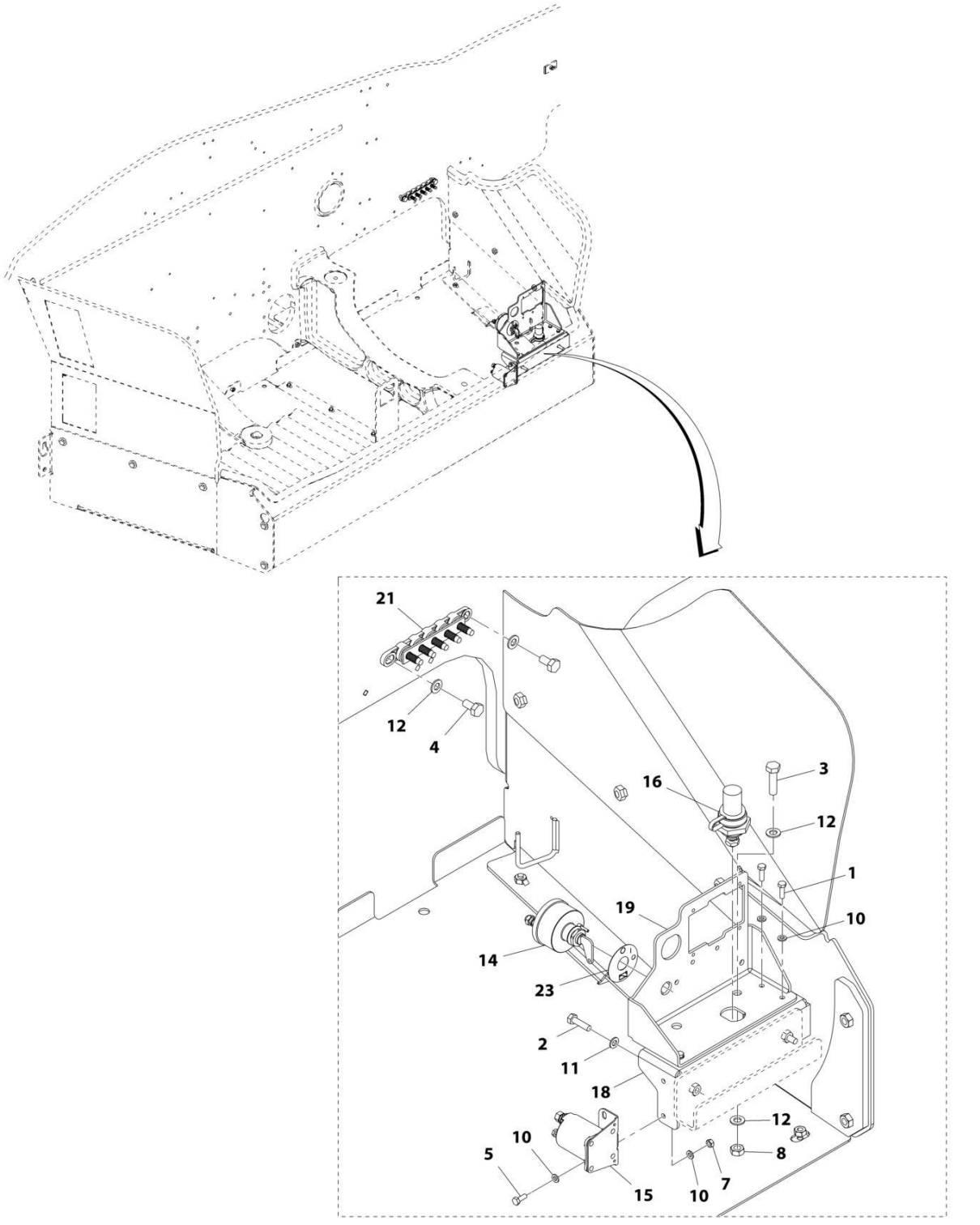


FIGURE 10-52. ENGINE BAY - ELECTRICAL INSTALLATION (74HP) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173765	Ref	Engine Bay Electrical Installation	J
1	0700610	4	Bolt, M6X20	
2	0700814	2	Bolt, M8X30	
3	0701016	1	Bolt, M10X40	
4	0761010	2	Bolt, M10X20	
5	0760608	2	Bolt, M6X16	
7	3290601	2	Nut, M6X1	
8	3291001	1	Nut, M10X1.5	
10	4811700	8	Washer, M6	
11	4811900	2	Washer, M8	
12	4812000	4	Washer, M10	
14	1001192142	1	Switch, Disconnect	
15	1001117308	1	Relay	
16	1001193993	1	Terminal	
18	1001199099	1	Bracket	
19	1001198321	1	Bracket	
21	1001181128	1	Bussbar	
23	1001008540	1	Plate	

FIGURE 10-53. ENGINE BAY - ELECTRICAL INSTALLATION (110HP) (ULS)

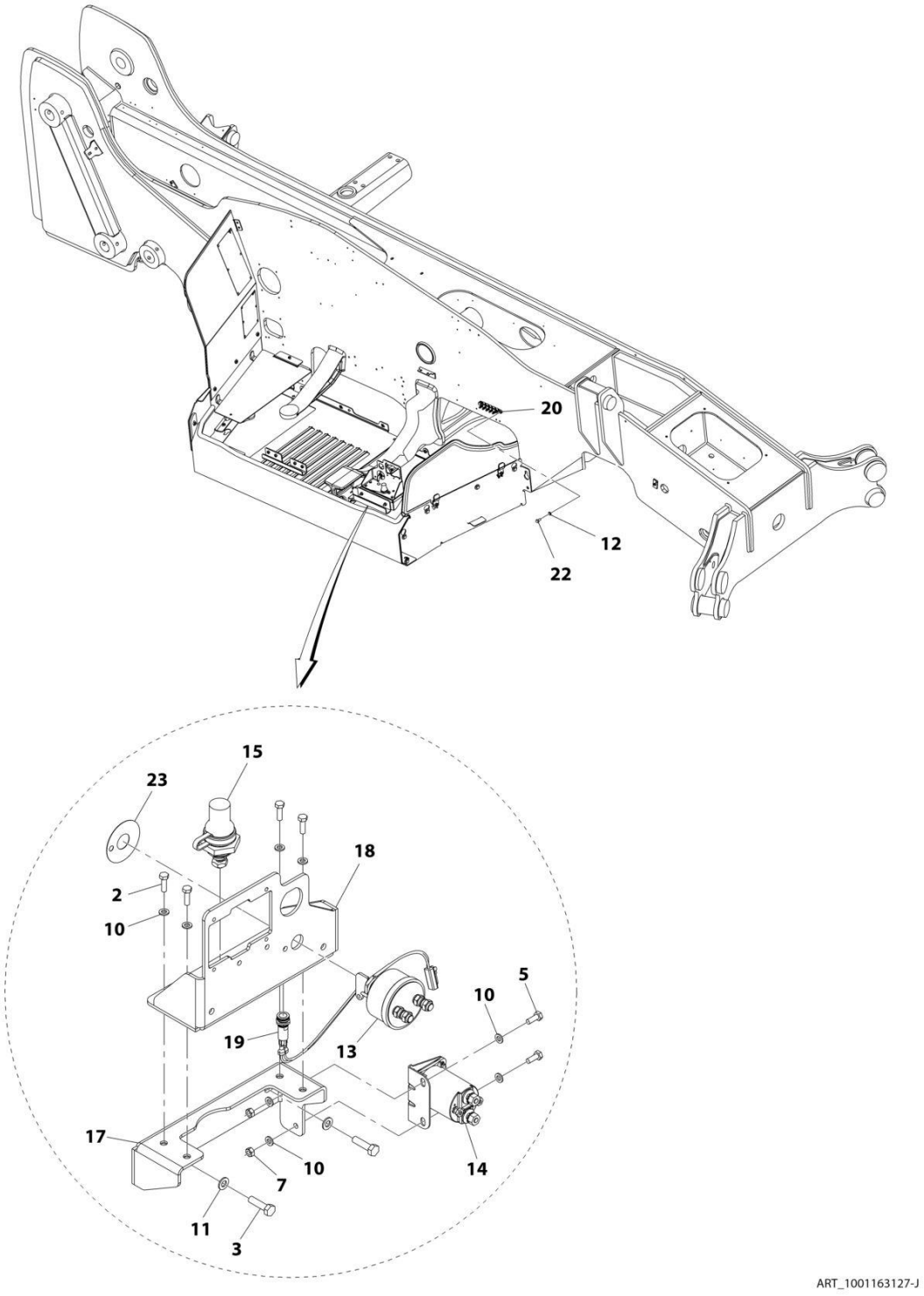


FIGURE 10-53. ENGINE BAY - ELECTRICAL INSTALLATION (110HP) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163127	Ref	Engine Bay Electrical Installation (if equipped for ULS)	J
2	0700610	4	Bolt, M6X20	
3	0700814	2	Bolt, M8X30	
5	0760608	2	Bolt, M6X16	
7	3290601	2	Nut, M6X1 Grade 8	
10	4811700	8	Washer, M6	
11	4811900	2	Washer, M8	
12	4812000	2	Washer, M10	
13	1001192142	1	Switch, Disconnect	
14	1001117308	1	Relay	
15	1001193993	1	Terminal	
17	1001199099	1	Bracket	
18	1001198321	1	Bracket	
19	1001232288	Ref	Harness, DEF Purge Light, (See Separate Breakdown in this Section)	
20	1001181128	1	Bussbar	
22	0761010	2	Bolt, M10X20	
23	1001008540	1	Plate	

FIGURE 10-54. ENGINE BAY - ELECTRICAL INSTALLATION (110HP) (LS)

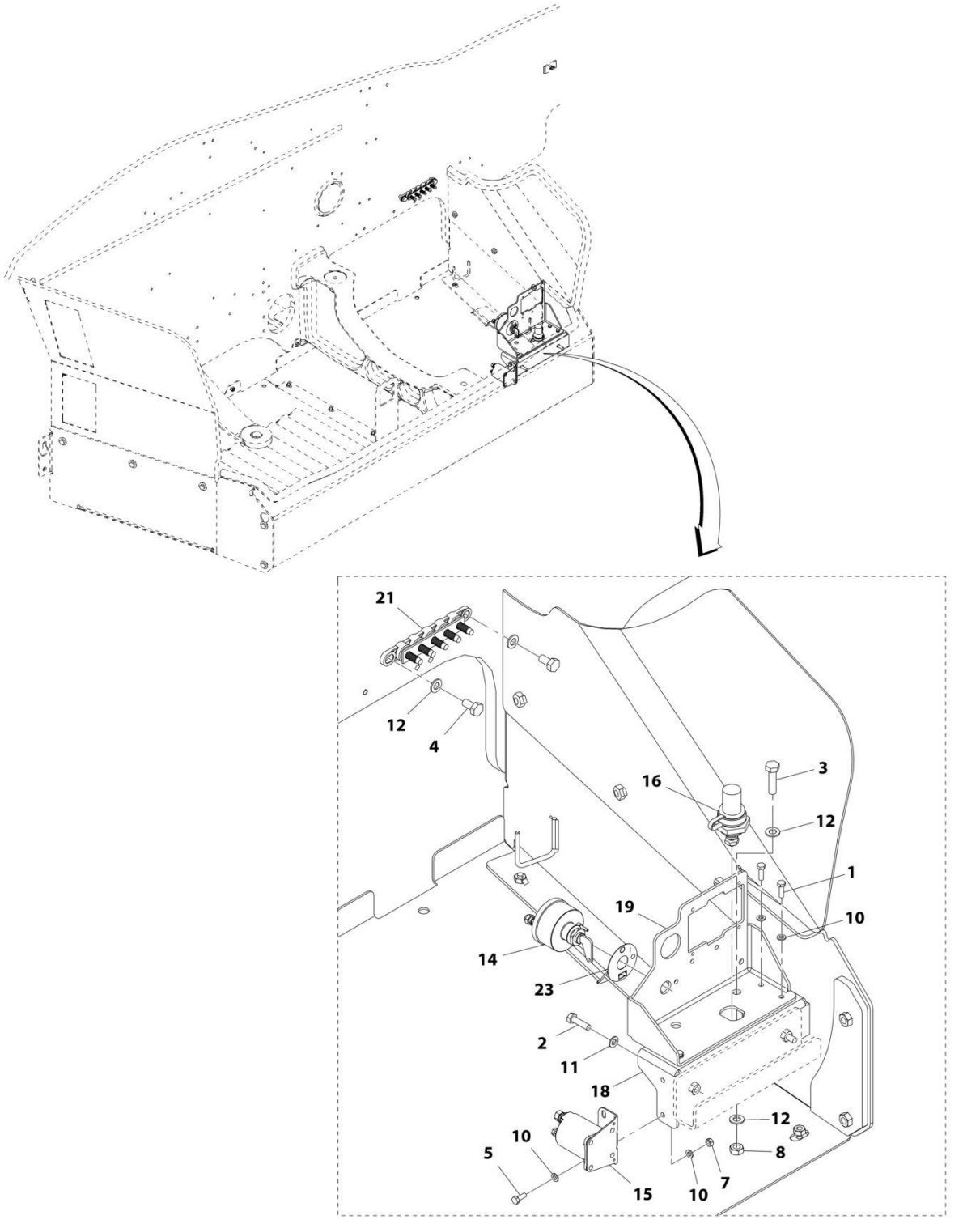


FIGURE 10-54. ENGINE BAY - ELECTRICAL INSTALLATION (110HP) (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173765	Ref	Engine Bay Electrical Installation	J
1	0700610	4	Bolt, M6X20	
2	0700814	2	Bolt, M8X30	
3	0701016	1	Bolt, M10X40	
4	0761010	2	Bolt, M10X20	
5	0760608	2	Bolt, M6X16	
7	3290601	2	Nut, M6X1	
8	3291001	1	Nut, M10X1.5	
10	4811700	8	Washer, M6	
11	4811900	2	Washer, M8	
12	4812000	4	Washer, M10	
14	1001192142	1	Switch, Disconnect	
15	1001117308	1	Relay	
16	1001193993	1	Terminal	
18	1001199099	1	Bracket	
19	1001198321	1	Bracket	
21	1001181128	1	Bussbar	
23	1001008540	1	Plate	

FIGURE 10-55. ENGINE BAY - WIRING INSTALLATION (74HP) (ULS)

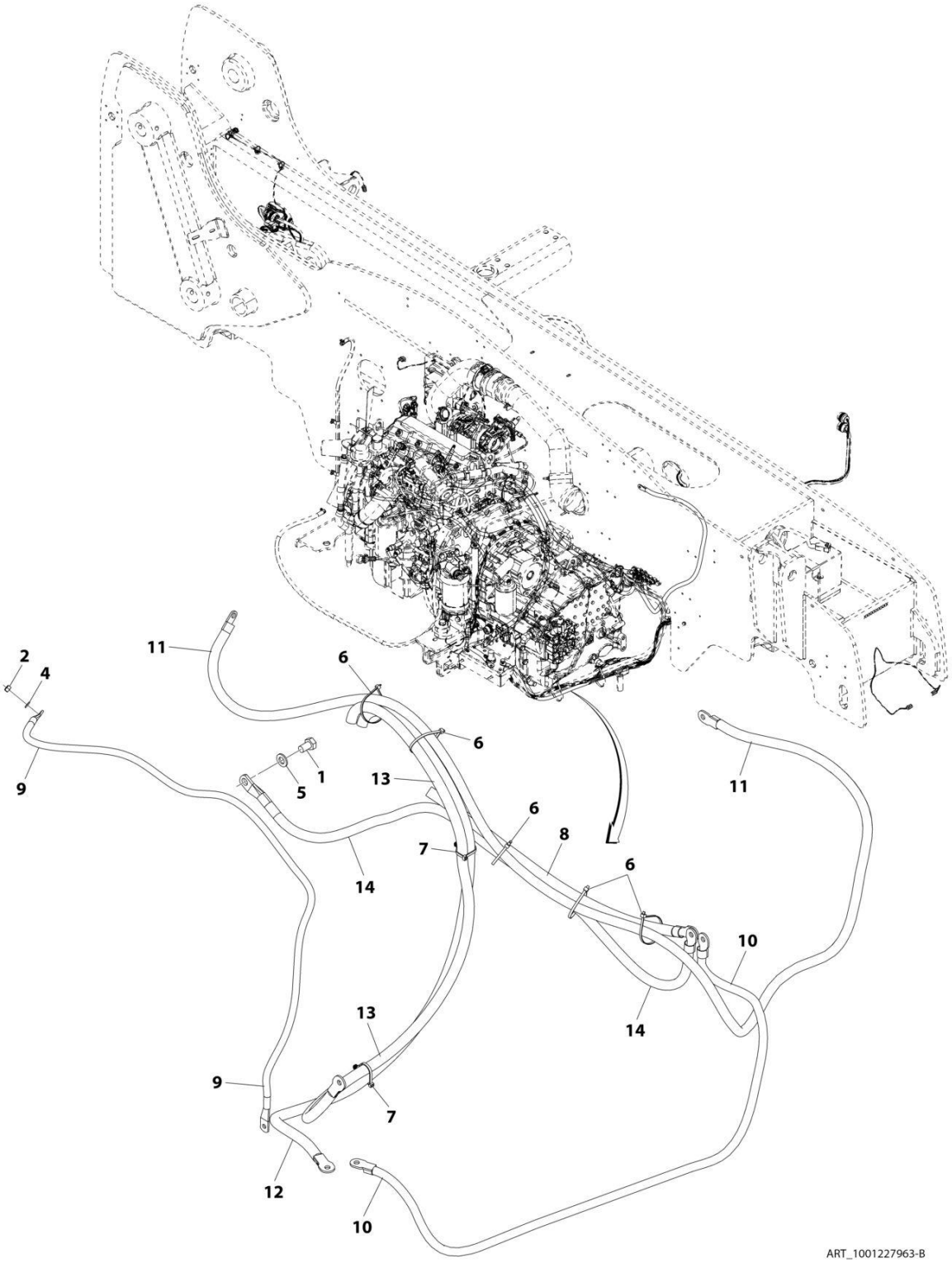


FIGURE 10-55. ENGINE BAY - WIRING INSTALLATION (74HP) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227963	Ref	Engine Bay Wiring Installation, 74HP (ULS)	B
1	0761210	1	Bolt, M12X20	
2	3290605	1	Nut, Lock M6X1	
4	4811700	1	Washer, M6	
5	4812100	1	Washer, M12	
6	1001008559	5	Strap, Cable	
7	1001146588	2	Strap, Cable Tie	
8	1001170320	1	Cable, Starter Ground	
9	1001170816	1	Cable, Grid Heater	
10	1001200102	1	Cable, Ground Buss to Remote Ground	
11	1001205254	1	Cable	
12	1001228118	1	Cable, Starter to Remote	
13	1001228119	1	Cable, Starter to Battery Disconnect	
14	1001228490	1	Cable, Engine Ground	

FIGURE 10-56. ENGINE BAY - WIRING INSTALLATION (110HP) (ULS)

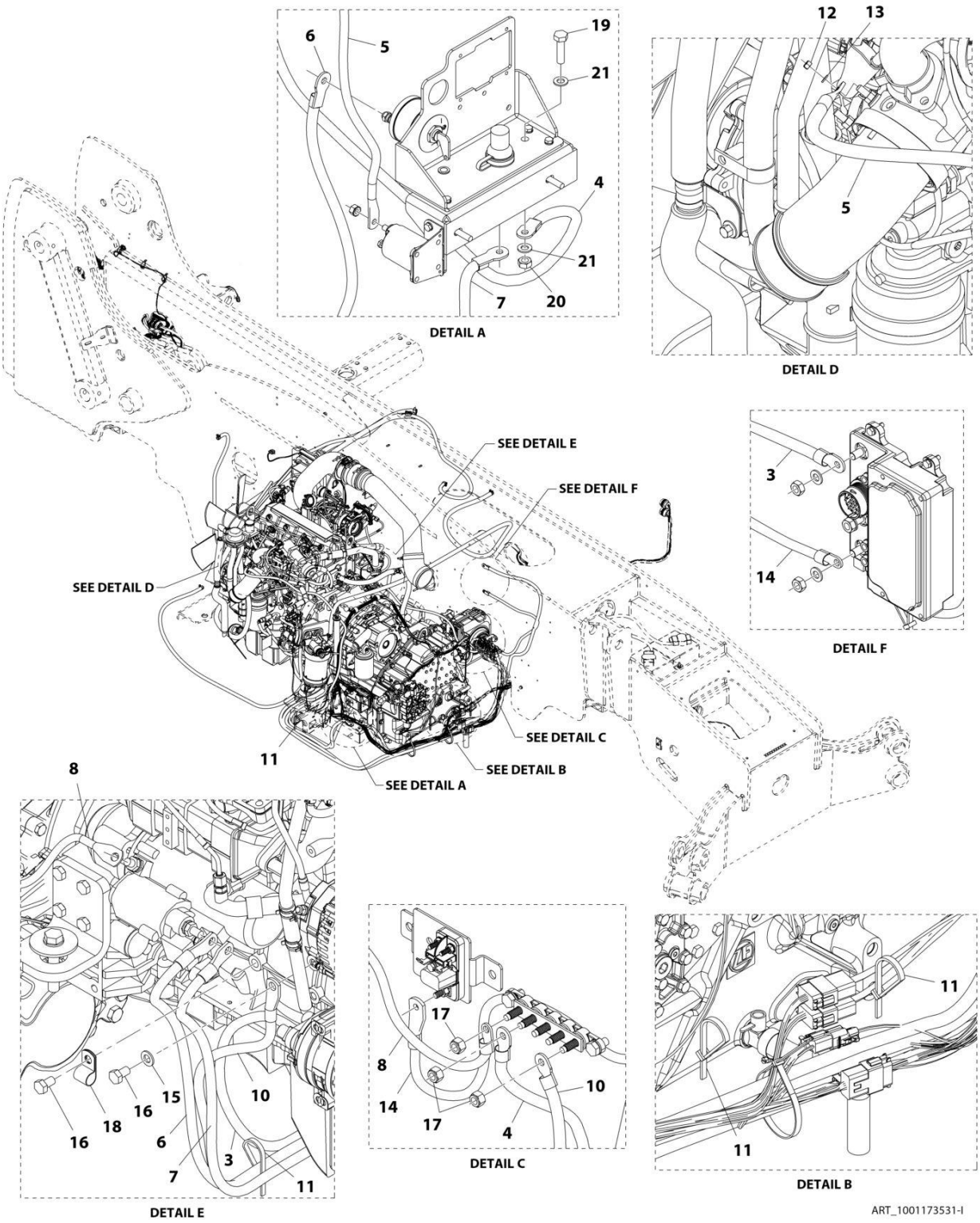


FIGURE 10-56. ENGINE BAY - WIRING INSTALLATION (110HP) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173531	Ref	Engine Bay Wiring Installation (ULS)	I
3	1001170215	1	Cable, PDM to ALT+	
4	1001200102	1	Cable, Ground Buss to Remote Ground	
5	1001170816	1	Cable, Grid Heater	
6	1001170740	1	Cable, Starter to Battery Disconnect	
7	1001170741	1	Cable, Starter to Remote B+	
8	1001170320	1	Cable, Starter Ground	
10	1001170749	1	Cable, Engine Ground	
11	1001008559	5	Strap, Cable	
12	3290605	1	Nut, Lock M6X1	
13	4811700	1	Washer, M6	
14	1001190585	1	Cable, Glow Plug	
15	4812100	1	Washer, M12	
16	0761210	2	Bolt, M12X20	
17	3291005	3	Nut, Lock M10X1.5	
18	8406105	1	Clip, Tube	
19	0701016	1	Bolt, M10X40	
20	3291001	1	Nut, M10X1.5	
21	4812000	2	Washer, M10	

FIGURE 10-57. ENGINE BAY - WIRING INSTALLATION (110HP) (LS)

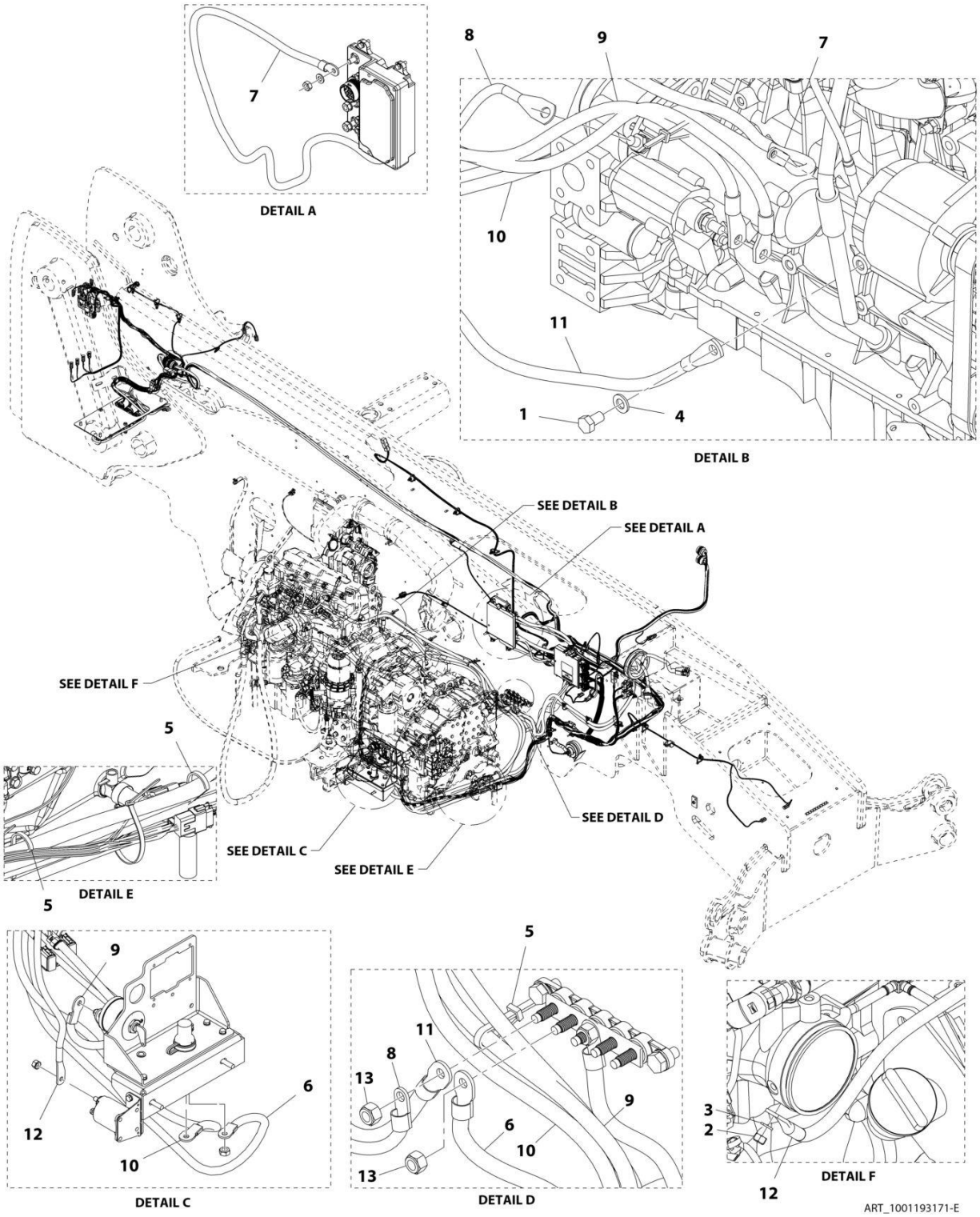


FIGURE 10-57. ENGINE BAY - WIRING INSTALLATION (110HP) (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193171	Ref	Engine Bay Wiring Installation (LS)	E
1	0761210	1	Bolt, M12X20	
2	3290605	1	Nut, Lock M6X1	
3	4811700	1	Washer, M6	
4	4812100	1	Washer, M12	
5	1001008559	6	Strap, Cable	
6	1001200102	1	Cable, Ground Buss to Remote Ground	
7	1001205254	1	Cable, PDM to Alt+	
8	1001170320	1	Cable, Starter Ground	
9	1001187623	1	Cable, Starter to Battery Disconnect	
10	1001187624	1	Cable, Starter to Remote B+	
11	1001205255	1	Cable, Engine Ground	
12	1001170816	1	Cable, Grid Heater	
13	3291005	2	Nut, Lock M10X1.5	

FIGURE 10-58. ENGINE/CHASSIS HARNESS (110HP) (ULS)

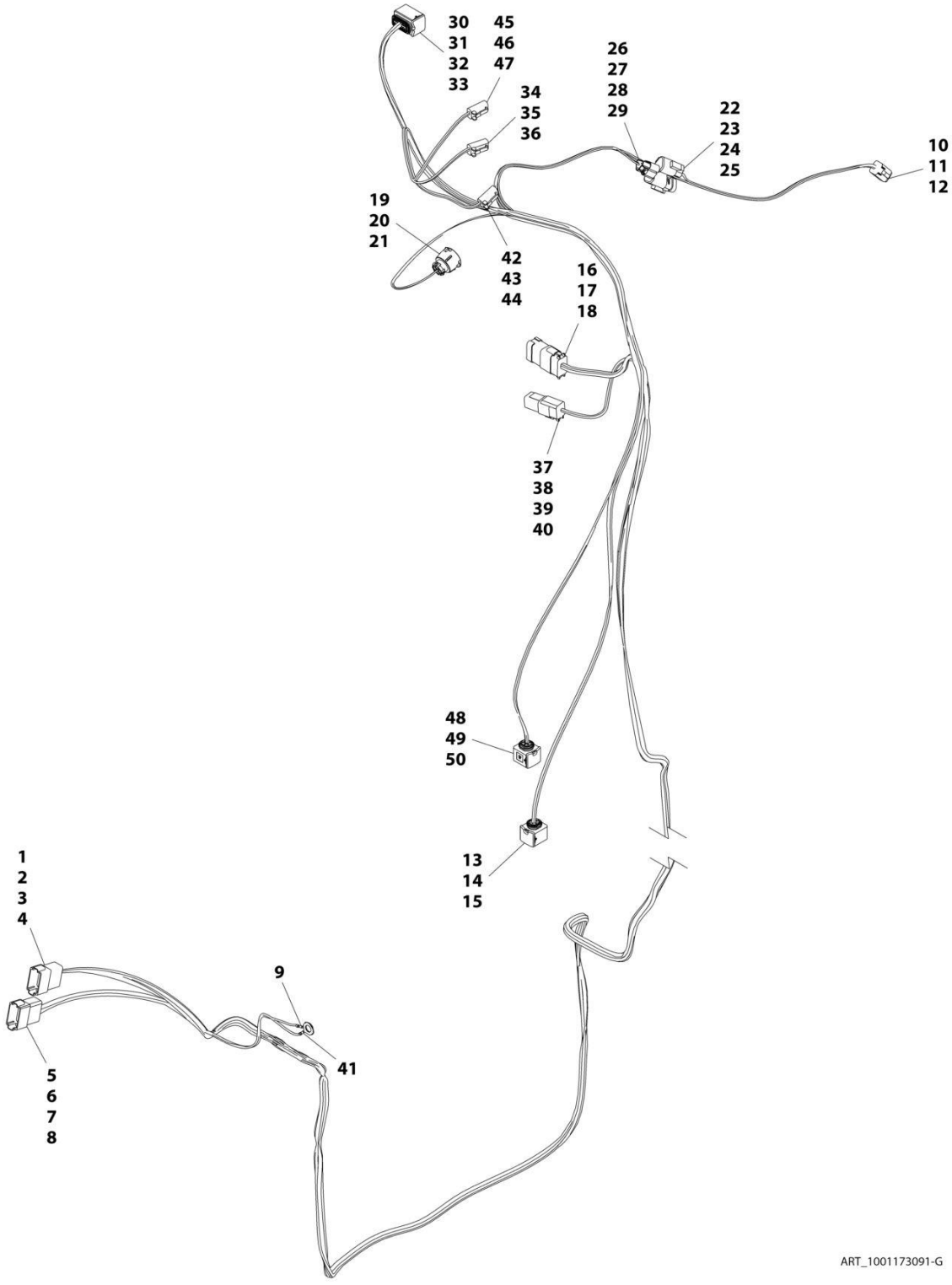


FIGURE 10-58. ENGINE/CHASSIS HARNESS (110HP) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173091	Ref	Engine Chassis Harness (ULS)	G
1	4460982	1	Connector	
2	80363179	1	Lock, Connector	
3	4460464	11	Terminal	
4	4460466	1	Plug	
5	1001152742	1	Connector	
6	80363179	1	Lock, Connector	
7	4460464	10	Terminal	
8	4460466	2	Plug	
9	1001187077	1	Terminal, Ring	
10	4460884	1	Connector	
11	80604021	1	Lock, Connector	
12	4460465	4	Terminal	
13	1001167528	1	Connector	
14	1001166704	4	Terminal	
15	1001137578	4	Seal, Terminal	
16	4460930	1	Connector	
17	80604025	1	Lock, Connector	
18	4460465	8	Terminal	
19	1001167620	1	Connector	
20	1001176004	2	Terminal	
21	1001167624	2	Plug	
22	4460539	1	Connector	
23	77363244	1	Lock, Connector	
24	4460944	2	Terminal	
25	4460466	1	Plug	
26	1001116812	1	Connector	
27	91554019	1	Lock, Connector	
28	4460944	2	Terminal	
29	4460466	1	Plug	
30	1001165194	1	Connector	
31	1001166703	10	Terminal	
32	1001126393	10	Seal, Terminal	
33	1001126391	2	Plug	
34	4460891	1	Connector	
35	80604018	1	Lock, Connector	
36	4460465	2	Terminal	
37	4460894	1	Connector	
38	91504107	1	Lock, Connector	
39	4460465	4	Terminal	
40	4460466	2	Plug	
41	1001187077	1	Terminal, Ring	
42	4460891	1	Connector	
43	80604018	1	Lock, Connector	
44	4460465	2	Terminal	
45	4460891	1	Connector	
46	80604018	1	Lock, Connector	
47	4460465	2	Terminal	
48	1001176935	1	Connector	
49	1001166704	4	Terminal	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001137578	4	Seal, Terminal	

FIGURE 10-59. ENGINE - ECU INSTALLATION (ULS)

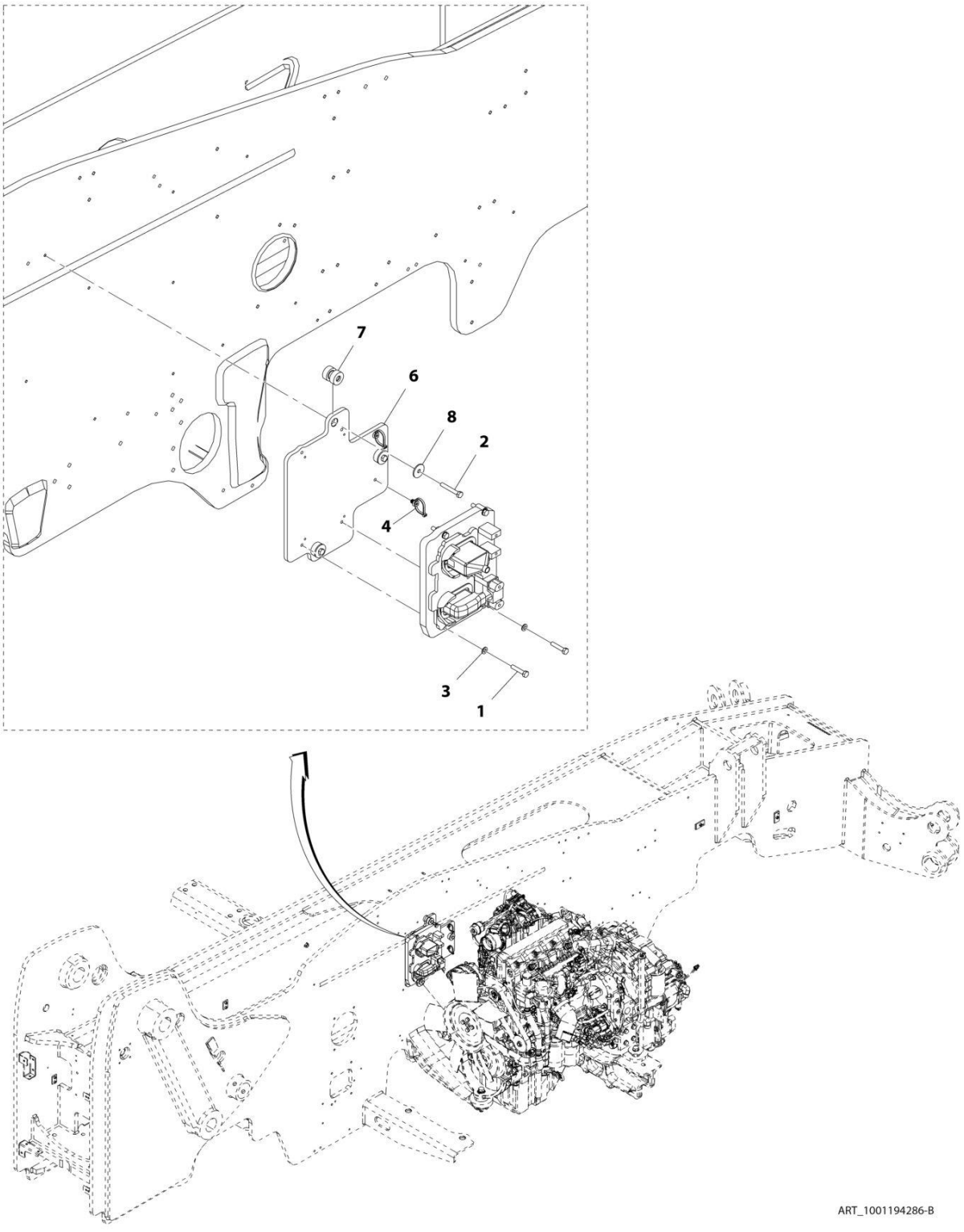


FIGURE 10-59. ENGINE - ECU INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194286	Ref	Engine ECU Installation	B
1	0700816	4	Bolt, M8X40	
2	0700819	3	Bolt, M8X55	
3	4811900	4	Washer, M8	
4	1001146588	2	Strap, Tie	
6	1001192468	1	Bracket	
7	1001192471	3	Mount	
8	1001195089	3	Washer	

FIGURE 10-60. ENGINE - ECU INSTALLATION (LS)

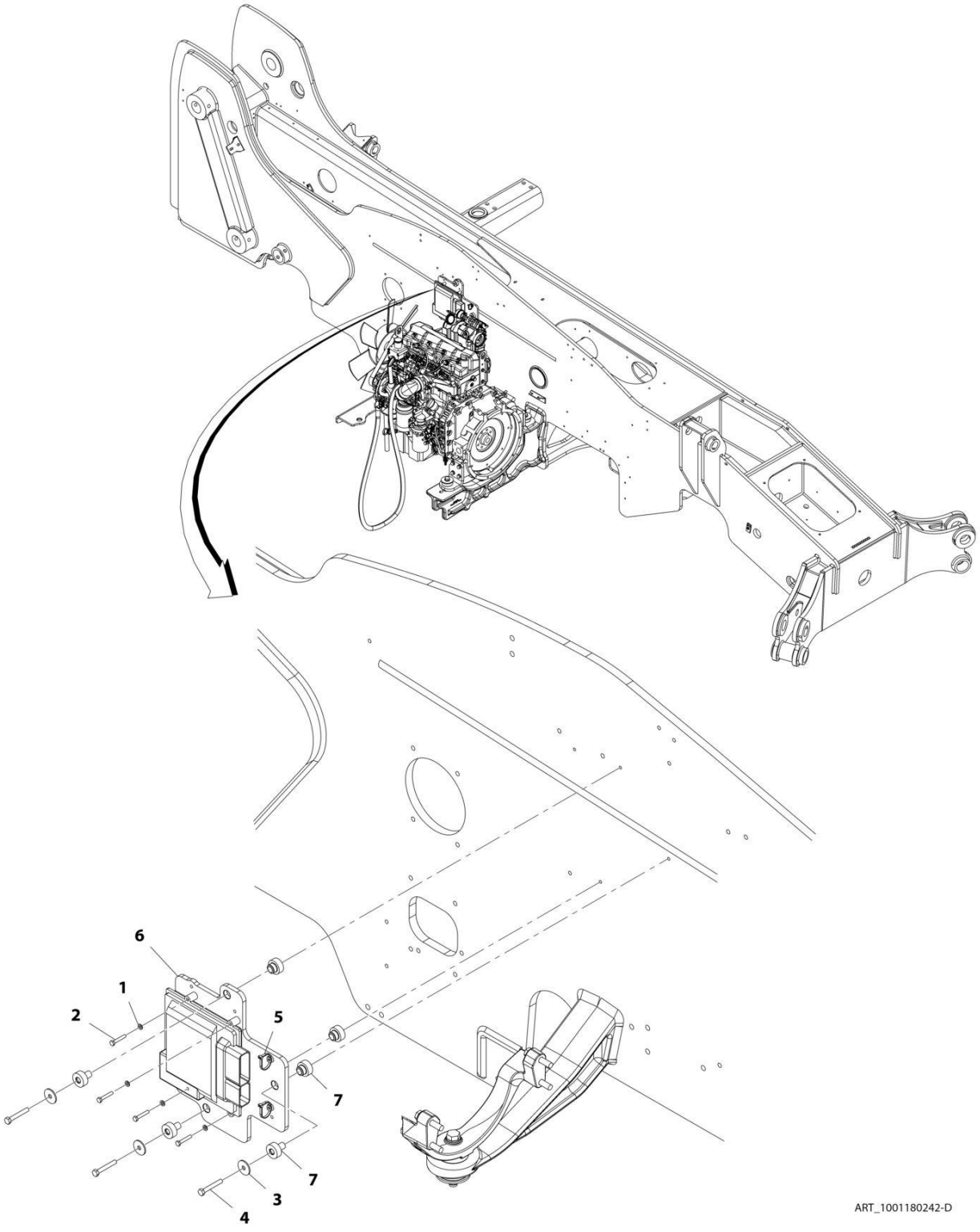


FIGURE 10-60. ENGINE - ECU INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180242	Ref	Engine ECM Installation (LS)	D
1	4811700	4	Washer, M6	
2	0760615	4	Bolt, M6X35	
3	1001195089	3	Washer	
4	0700819	3	Bolt, Grade 8	
5	1001146588	2	Strap, Tie	
6	1001192468	1	Bracket	
7	1001192471	3	Mount, Isolator	

FIGURE 10-61. ENGINE TBAP HARNESS

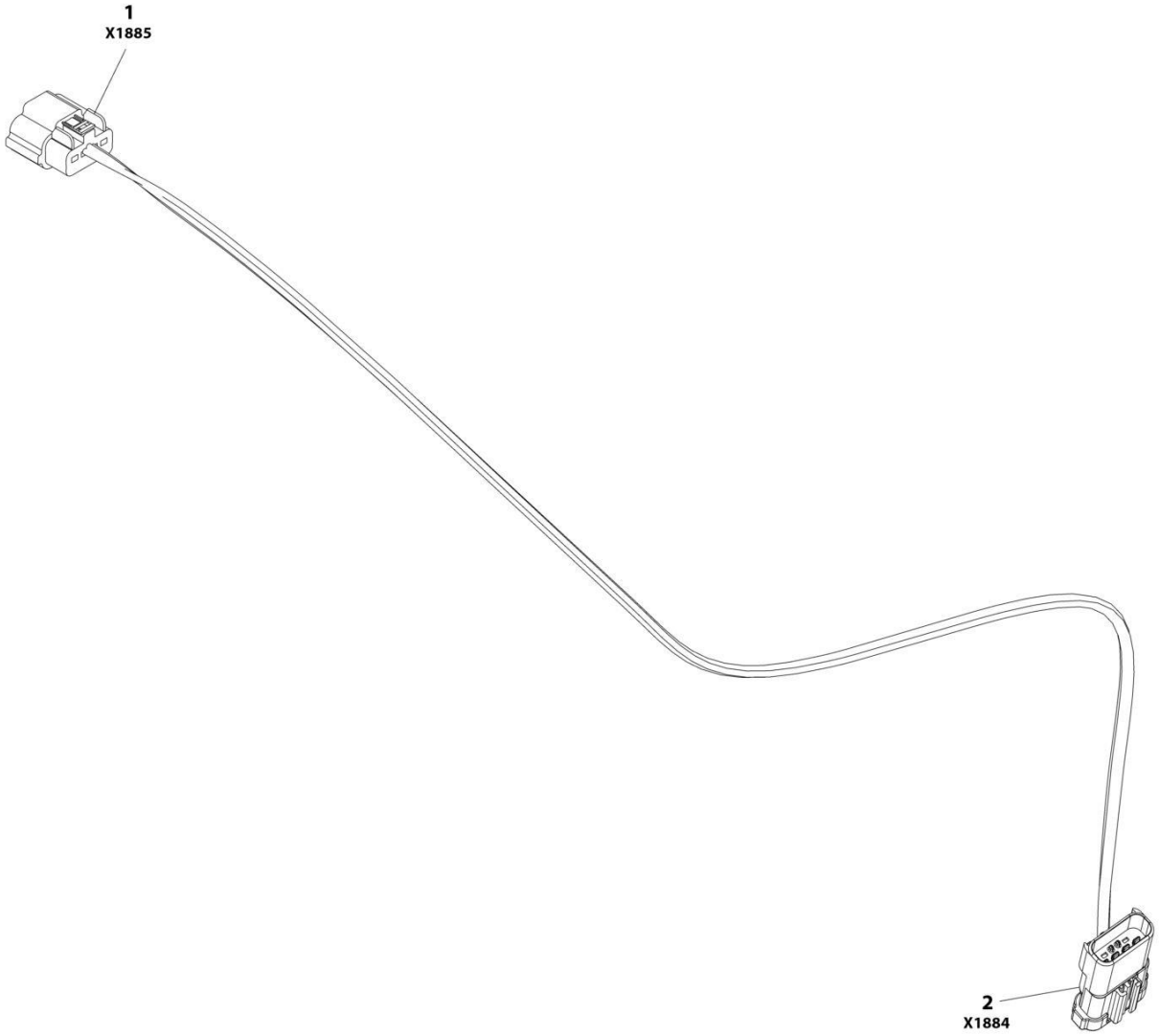


FIGURE 10-61. ENGINE TBAP HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184835	Ref	TBAP Harness	C
1	10011184495	1	Connector	
	1001260509	4	Terminal	
	1001184496	4	Seal	
2	1001184491	1	Connector	
	1001184493	4	Terminal	

FIGURE 10-62. FRAME - ELECTRICAL INSTALLATION

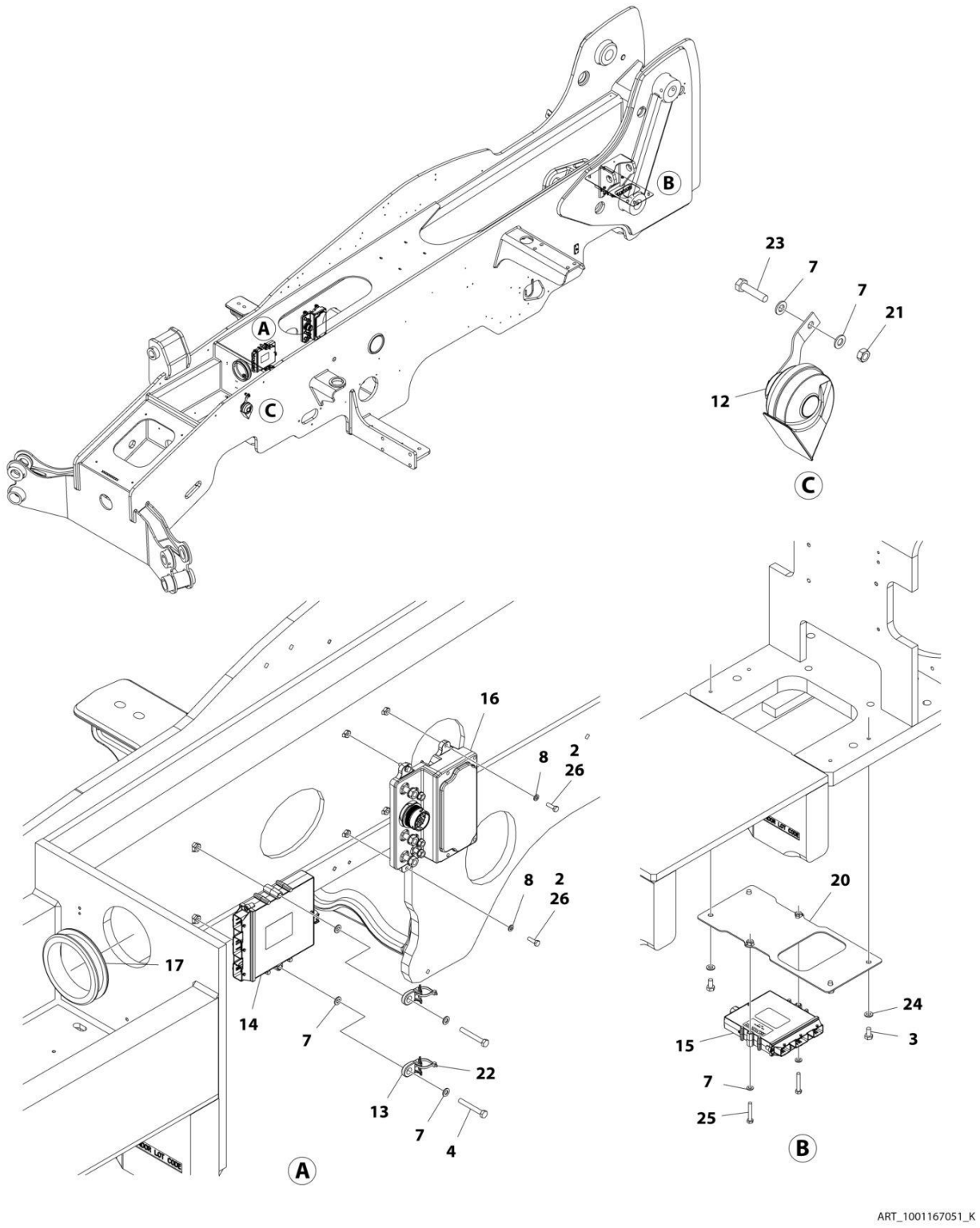


FIGURE 10-62. FRAME - ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167051	Ref	ELECTRICAL FRAME INSTALLATION	K
2	0700610	4	Bolt M6 x 20	
3	0761010	4	Bolt M10 x 20	
4	0700820	2	Bolt M8 x 60	
7	4811900	8	Washer M8	
8	4811700	4	Washer M6	
12	10713707	1	Horn	
13	1001169146	2	Mount	
14	1001270467	1	Module, Front Frame Control	
15	1001270468	1	Module, Rear Frame Control	
16	1001164402	1	Box, Power Distribution Electrical (See Separate Breakdown in this Section)	
17	1001166397	1	Grommet	
20	1001210450	1	Plate, Mounting	
21	3290801	1	Nut M8 x 1-1/4	
22	1001008559	2	Strap, Cable	
23	0760815	1	Bolt M8 x 35	
24	4812000	4	Washer M10	
25	0700818	2	Bolt M8 x 50	
26	1001180620	AR	Locking, Compound	

FIGURE 10-63. FRAME - POWER DISTRIBUTION BOX

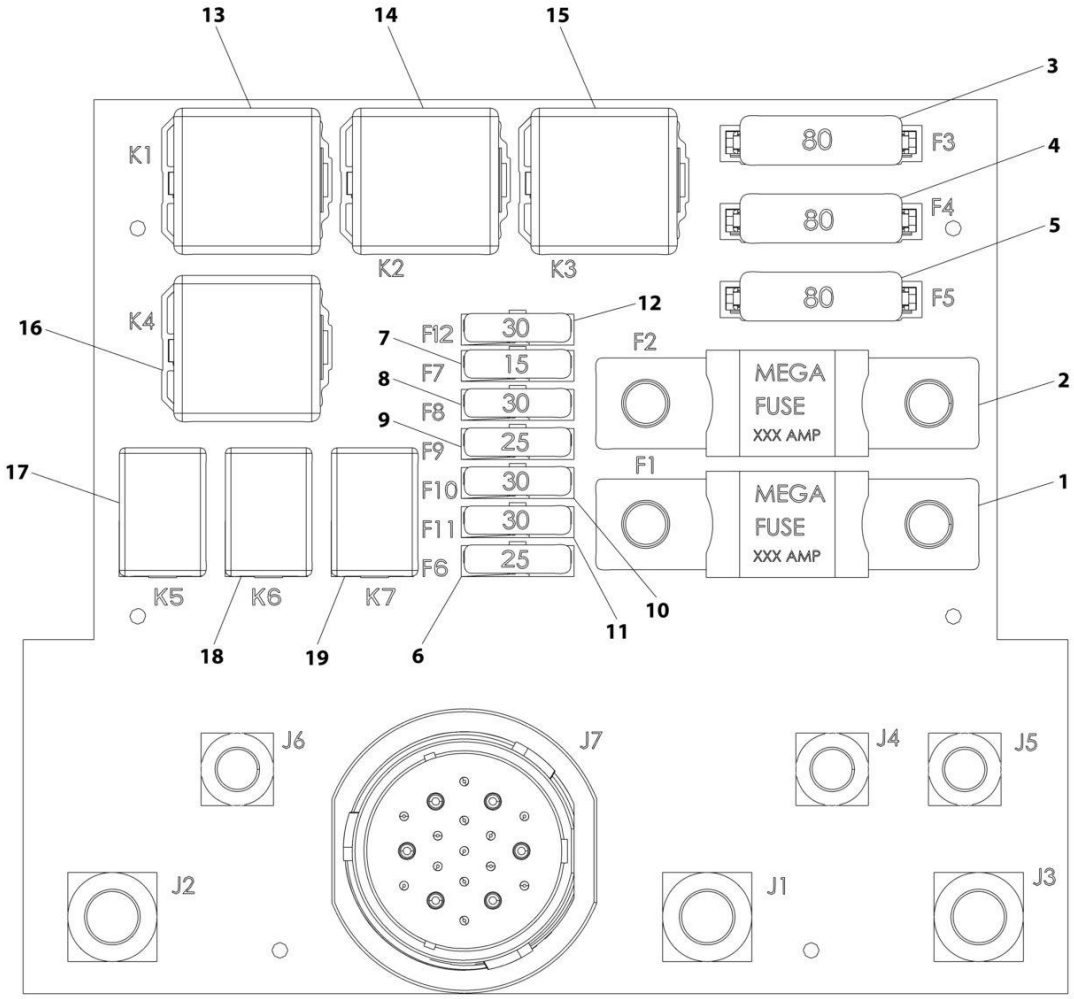


FIGURE 10-63. FRAME - POWER DISTRIBUTION BOX

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164402	Ref	Power Distribution Electrical Box	G
1	1001095336	1	Fuse, 150AMP	
2	70026296	1	Fuse, 200AMP	
3	70026297	1	Fuse, 80AMP	
4	70026297	1	Fuse, 80AMP	
5	70026297	1	Fuse, 80AMP	
6	8229247	1	Fuse, 25AMP	
7	8229244	1	Fuse, 15AMP	
8	8229245	1	Fuse, 30AMP	
9	8229247	1	Fuse, 25AMP	
10	8229245	1	Fuse, 30AMP	
11	8229245	1	Fuse, 30AMP	
12	8229245	1	Fuse, 30AMP	
13	70026294	1	Fuse, 70AMP	
14	70026294	1	Fuse, 70AMP	
15	70026294	1	Fuse, 70AMP	
16	70026294	1	Fuse, 70AMP	
17	70026295	1	Fuse, 35AMP	
18	70026295	1	Fuse, 35AMP	
19	70026295	1	Fuse, 35AMP	

FIGURE 10-64. FRAME - WIRING INSTALLATION (74HP) (ULS)

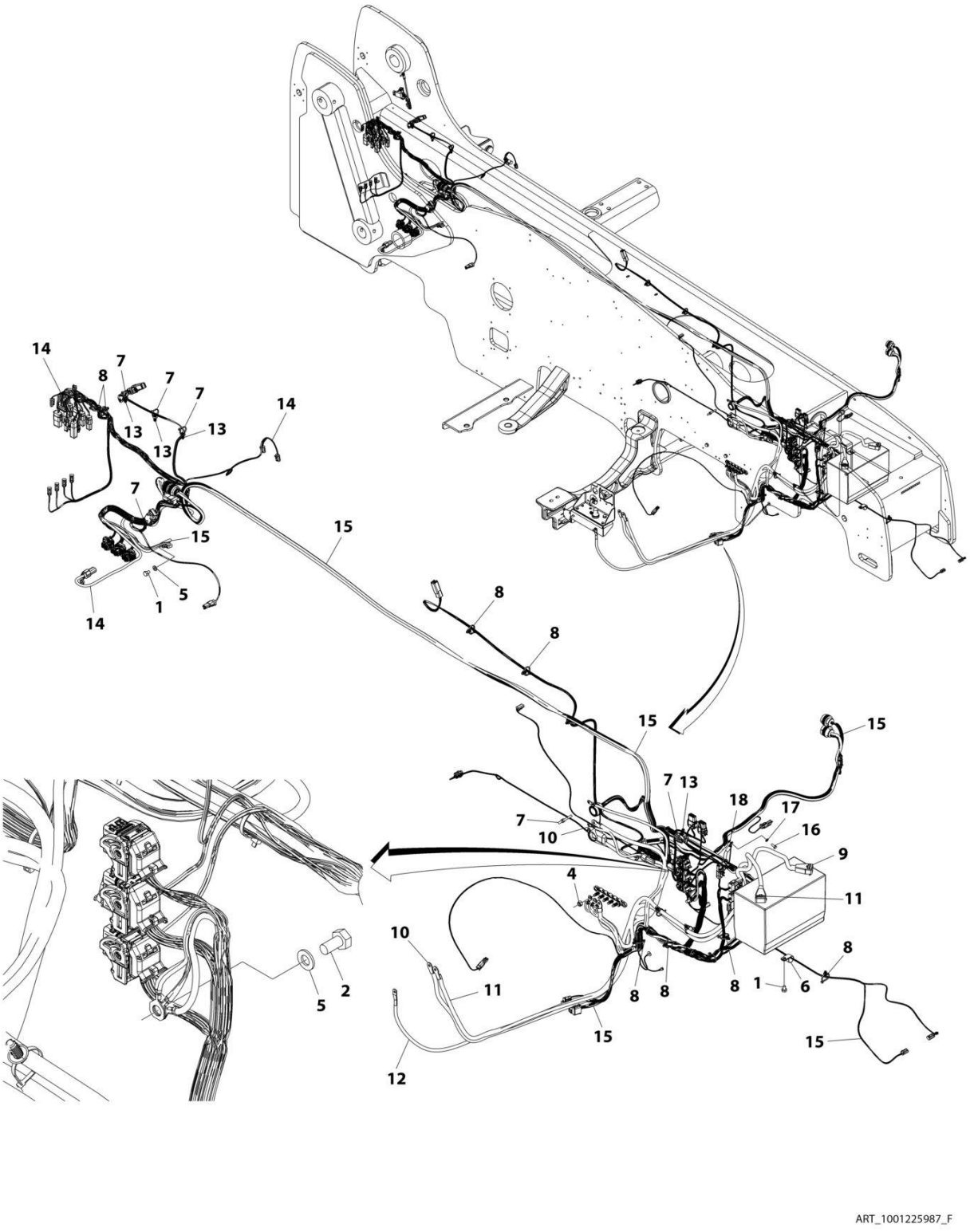


FIGURE 10-64. FRAME - WIRING INSTALLATION (74HP) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225987	Ref	FRAME WIRING INSTALLATION (ULS)	F
1	0761007	2	Bolt M10 x 14	
2	0761010	1	Bolt M10 x 20	
4	3291005	5	Nut M10 x 1-1/2	
5	4812000	2	Washer M10	
6	8406201	1	Clip, Wire and Tube	
7	1001008559	19	Strap, Tie	
8	1001146588	13	Strap, Tie	
9	1001169365	1	Cable, Battery Negative	
10	1001170566	1	Cable, Battery Disconnect to PDM	
11	1001170624	1	Cable, Battery + to Battery Disconnect	
12	1001200082	1	Cable, PDM to Grid Heater	
13	1001202986	8	Strap	
14	1001266971	1	Harness, Rear Frame (See Separate Breakdown in this Section)	
15	1001268340	1	Harness, Front Frame (See Separate Breakdown in this Section)	
16	0760608	1	Bolt M6 x 16	
17	4811700	1	Washer M6	
18	4871700	1	Washer M6	

FIGURE 10-65. FRAME - WIRING INSTALLATION (110HP) (ULS)

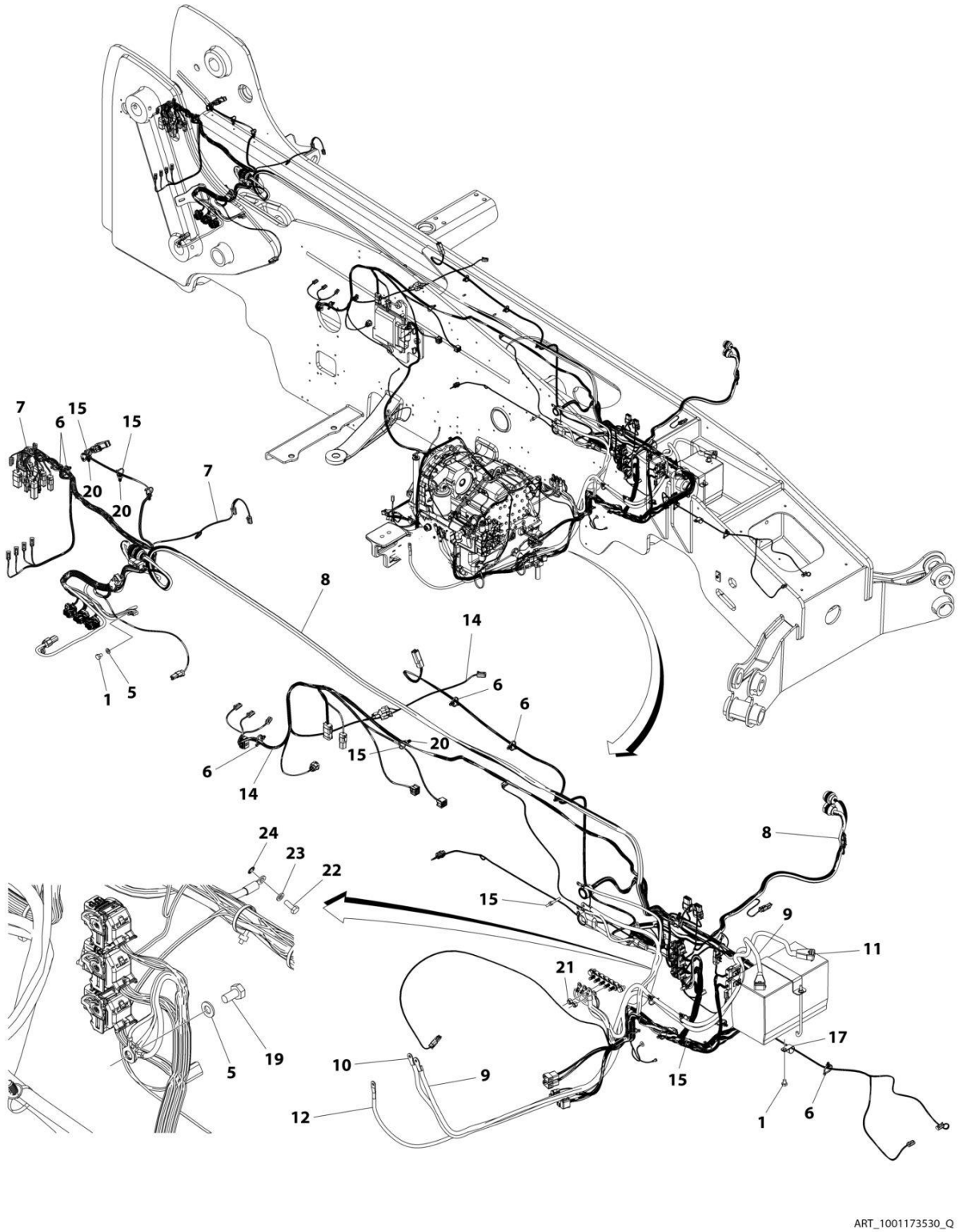


FIGURE 10-65. FRAME - WIRING INSTALLATION (110HP) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173530	Ref	FRAME - WIRING INSTALLATION (110HP) (ULS)	Q
1	0761007	2	Bolt M10 x 14	
5	4812000	2	Washer M10	
6	1001146588	14	Strap, Fir Tree Cable Tie	
7	1001266971	1	Harness, Rear Frame (See Separate Breakdown in this Section)	
8	1001281268	1	Harness, Front Frame (See Separate Breakdown in this Section)	
9	1001170624	1	Cable, Battery + to Battery Disconnect	
10	1001170566	1	Cable, Battery Disconnect to PDM	
11	1001169365	1	Cable, Battery Negative	
12	1001200082	1	Cable, PDM to Grid Heater	
14	1001173091	1	Harness, Engine Chassis Harness (See Separate Breakdown in this Section)	
15	1001008559	20	Strap, Cable	
17	8406201	1	Clip, Wire and Tube	
19	0761010	1	Bolt M10 x 20	
20	1001202986	9	Strap, Fir Tree Push Mount	
21	3291005	2	Nut M10 x 1-1/2	
22	0760608	1	Bolt M6 x 16	
23	4811700	1	Washer M6	
24	4871700	1	Washer M6	

FIGURE 10-66. FRAME - WIRING INSTALLATION (110HP) (LS)

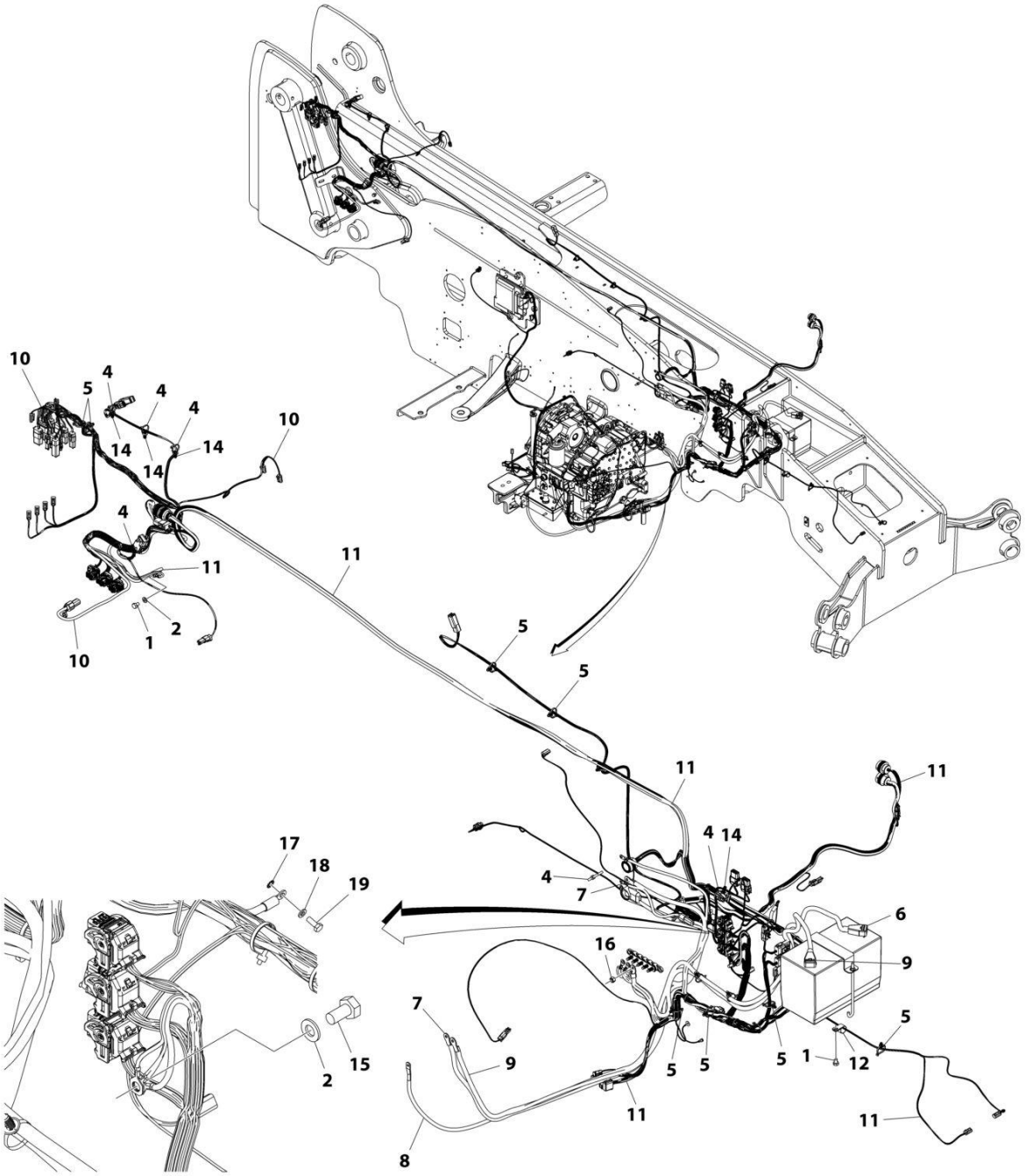
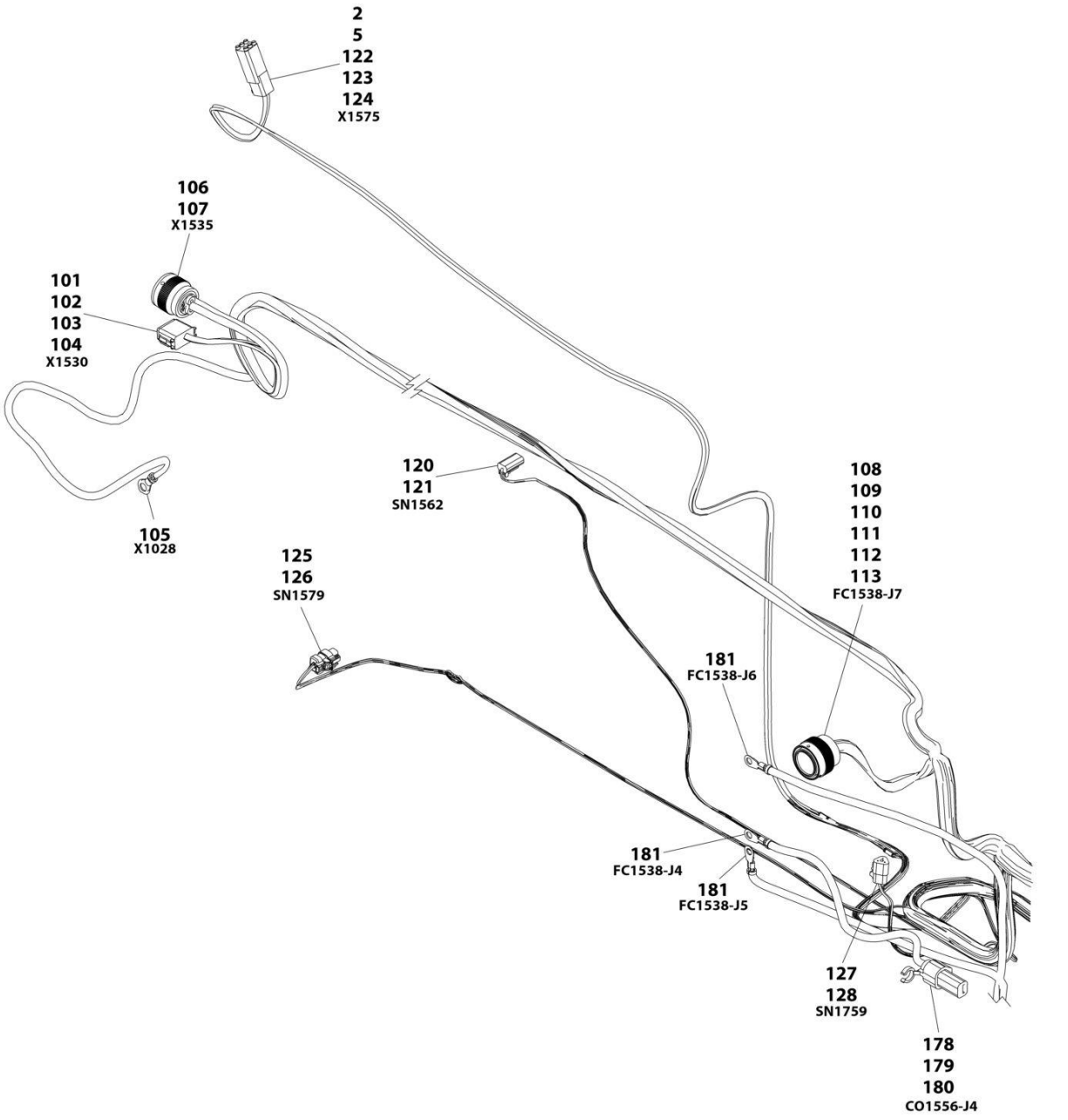
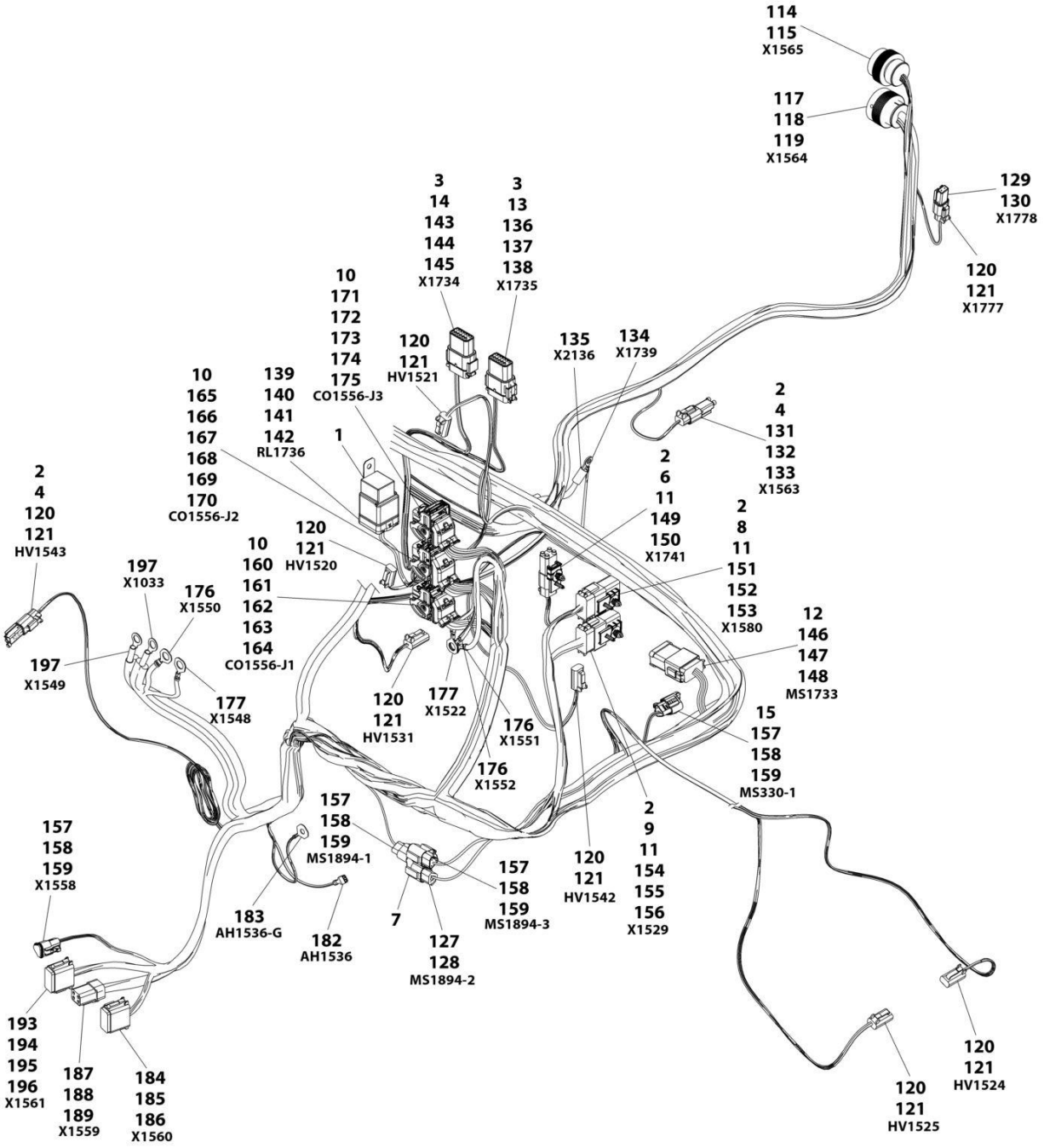


FIGURE 10-66. FRAME - WIRING INSTALLATION (110HP) (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192305	Ref	FRAME - WIRING INSTALLATION (110HP) (LS)	O
1	0761007	2	Bolt M10 x 14	
2	4812000	2	Washer M10	
4	1001008559	19	Strap, Cable	
5	1001146588	13	Strap, Fir Tree Cable Tie	
6	1001169365	1	Cable, Battery Negative	
7	1001170566	1	Cable, Battery Disconnect to PDM	
8	1001200082	1	Cable, PDM to Grid Heater	
9	1001170624	1	Cable, Battery + to Battery Disconnect	
10	1001266971	1	Harness, Rear Frame (See Separate Breakdown in this Section)	
11	1001281268	1	Harness, Front Frame (See Separate Breakdown in this Section)	
12	8406201	1	Clip, Wire and Tube	
14	1001202986	8	Strap, Fir Tree Push Mount	
15	0761010	1	Bolt M10 x 20	
16	3291005	1	Nut M10 x 1-1/2	
17	4871700	1	Washer M6	
18	4811700	1	Washer M6	
19	0760608	1	Bolt M6 x 16	

FIGURE 10-67. FRAME HARNESS - FRONT





ART_1001281268_A_2OF2

FIGURE 10-67. FRAME HARNESS - FRONT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281268	Ref	FRONT FRAME HARNESS	A
1	3740080	1	Relay	
2	4460466	38	Plug	
3	4460518	34	Terminal	
4	4460897	2	Connector	
5	4460899	1	Connector	
6	4460932	1	Connector	
7	4460945	1	Receptacle, 3 - Way	
8	4460950	1	Connector	
9	4460970	1	Connector	
10	1001008559	3	Tie-Strap	
11	1001121172	3	Bracket, Mounting	
12	1001125677	1	Bus Bar	
13	1001132169	1	Connector	
14	1001132170	1	Connector	
15	1001144296	1	Cap	
101	4460933	1	Connector	
102	4460465	4	Terminal	
103	4460942	2	Terminal	
104	4460466	6	Plug	
105	1001187076	1	Connector	
106	1001165310	1	Connector	
107	91013192	2	Terminal	
108	1001165309	1	Connector	
109	4460466	2	Plug	
110	4460465	8	Terminal	
111	4460942	3	Terminal	
112	4460509	3	Terminal	
113	1001150611	3	Terminal	
114	4461015	1	Connector	
115	4460465	14	Terminal	
117	1001118323	1	Connector	
118	4460942	4	Terminal	
119	91013192	2	Terminal	
120	4460891	8	Connector	
121	4460465	16	Terminal	
122	4460894	1	Connector	
123	4460465	2	Terminal	
124	4460942	4	Terminal	
125	1001116950	1	Connector	
126	4460465	2	Terminal	
127	4460539	2	Connector	
128	4460465	6	Plug	
129	4460897	1	Connector	
130	4460464	2	Terminal	
131	4460891	1	Connector	
132	4460942	1	Terminal	
133	4460465	1	Terminal	
134	1001207173	1	Connector	
135	8220116	1	Connector	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
136	1001116774	1	Connector	
137	4460518	10	Plug	
138	1001126008	2	Terminal	
139	1001231398	1	Connector	
140	1001231400	4	Terminal	
141	1001231406	1	Plug	
142	1001231404	4	Seal	
143	1001116808	1	Connector	
144	4460518	9	Plug	
145	1001126008	3	Terminal	
146	4460933	1	Connector	
147	4460465	10	Terminal	
148	4460466	2	Terminal	
149	4460884	1	Connector	
150	4460465	4	Terminal	
151	4460836	1	Connector	
152	4460465	7	Terminal	
153	4460466	5	Plug	
154	4460933	1	Connector	
155	4460942	10	Terminal	
156	4460466	2	Terminal	
157	1001116812	4	Connector	
158	4460944	8	Terminal	
159	4460466	4	Terminal	
160	1001161957	1	Connector	
161	1001161097	19	Terminal	
162	1001161100	5	Plug	
163	1001161101	7	Plug	
164	1001161098	1	Terminal	
165	1001161963	1	Connector	
166	1001161097	17	Terminal	
167	1001161100	23	Plug	
168	1001161098	1	Terminal	
169	1001161099	5	Terminal	
170	1001161101	2	Plug	
171	1001160500	1	Connector	
172	1001161100	15	Plug	
173	1001161097	9	Terminal	
174	1001161099	7	Terminal	
175	1001161101	1	Plug	
176	1001187080	3	Connector	
177	1001187079	2	Connector	
178	1001160509	1	Connector	
179	1001160510	1	Terminal	
180	1001175267	1	Seal	
181	1001187075	3	Connector	
182	8220051	1	Connector	
183	1001211775	1	Connector	
184	4460933	1	Connector	
185	4460465	8	Terminal	
186	4460466	4	Plug	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
187	1001116810	1	Connector	
188	4460509	1	Terminal	
189	1001150611	3	Terminal	
193	4460836	1	Connector	
194	4460942	1	Terminal	
195	4460465	10	Terminal	
196	4460466	1	Terminal	
197	1001128127	2	Connector	

FIGURE 10-68. FRAME HARNESS - REAR

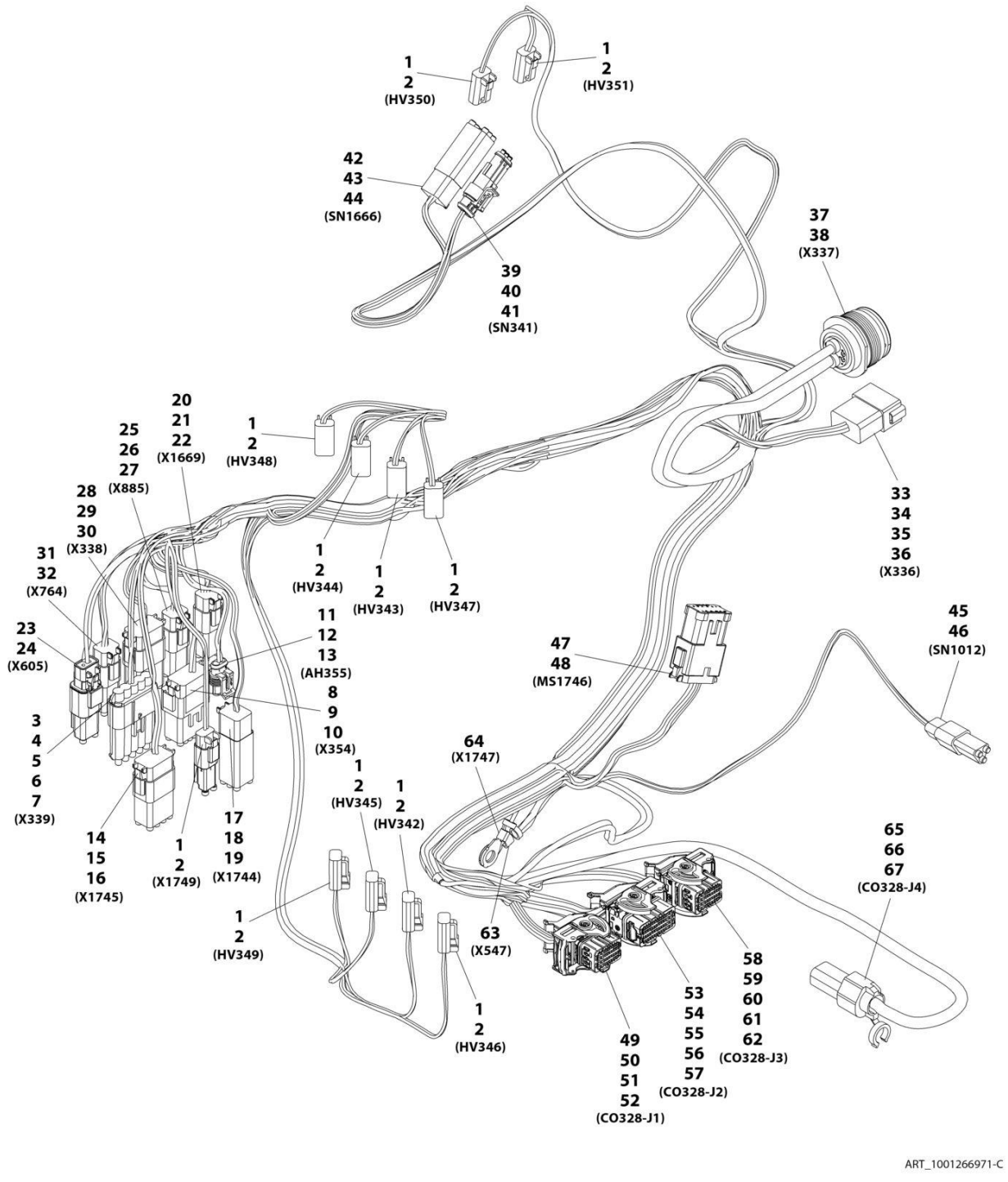


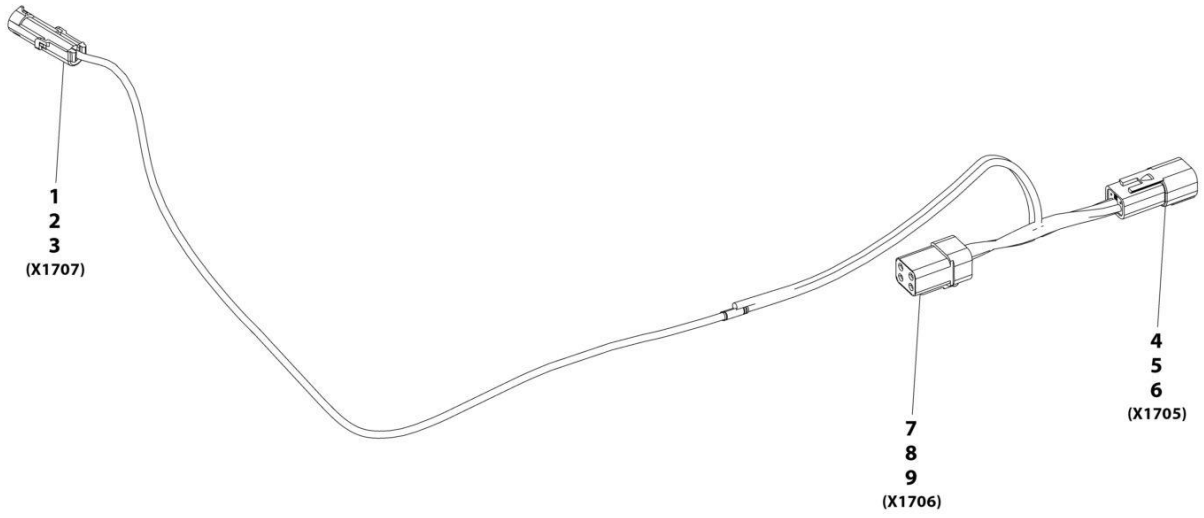
FIGURE 10-68. FRAME HARNESS - REAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266971	Ref	REAR FRAME HARNESS (9/10)	C
1	4460891	1	Connector	
2	4460465	2	Terminal	
3	1001121726	1	Connector	
4	1001116728	3	Terminal	
5	1001116727	2	Plug	
6	1001175265	2	Seal	
7	4460458	1	Seal	
8	4460933	1	Connector	
9	4460942	10	Terminal	
10	4460466	2	Plug	
11	4461118	1	Connector	
12	1001107854	2	Terminal	
13	1001116763	2	Seal	
14	4460930	1	Connector	
15	4460465	6	Terminal	
16	4460466	2	Plug	
17	4460894	1	Connector	
18	4460465	3	Terminal	
19	4460466	3	Plug	
20	4460884	1	Connector	
21	4460465	3	Terminal	
22	4460466	1	Plug	
23	4461018	1	Connector	
24	4460509	2	Terminal	
25	4460884	1	Connector	
26	4460465	2	Terminal	
27	4460466	2	Plug	
28	4460930	1	Connector	
29	4460466	6	Plug	
30	4460465	2	Terminal	
31	4460884	1	Connector	
32	4460465	4	Terminal	
33	4460970	1	Connector	
34	4460464	5	Terminal	
35	4460941	1	Terminal	
36	4460466	6	Plug	
37	1001165311	1	Connector	
38	91013191	2	Terminal	
39	4461262	1	Connector	
40	1001107854	3	Terminal	
41	1001114498	3	Seal	
42	4460894	1	Connector	
43	4460465	4	Terminal	
44	4460466	2	Plug	
45	4460539	1	Connector	
46	4460465	3	Terminal	
47	4460933	1	Connector	
48	4460465	12	Terminal	
49	1001161957	1	Connector	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001161097	7	Terminal	
51	1001161100	17	Plug	
52	1001161101	8	Plug	
53	1001161963	1	Connector	
54	1001161097	27	Terminal	
55	1001161100	13	Plug	
56	1001161099	5	Terminal	
57	1001161101	3	Plug	
58	1001160500	1	Connector	
59	1001161100	20	Plug	
60	1001161097	4	Terminal	
61	1001161099	7	Terminal	
62	1001161101	1	Plug	
63	1001187076	1	Connector	
64	1001187078	1	Terminal Ring	
65	1001160509	1	Connector	
66	1001160510	1	Terminal	
67	1001175267	1	Seal	

FIGURE 10-69. HEATER HARNESS - CUMMINS BREATHER (74HP) (ULS)



ART_1001237171-A

FIGURE 10-69. HEATER HARNESS - CUMMINS BREATHER (74HP) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237171	Ref	Cummins Breather Heater Harness	A
1	80963056	1	Connector	
2	4460850	1	Terminal	
3	80963067	1	Seal	
4	1001116811	1	Connector	
5	4460508	3	Terminal	
6	1001150610	1	Terminal	
7	1001116810	1	Connector	
8	4460509	3	Terminal	
9	1001150611	1	Terminal	

FIGURE 10-70. HEATER HARNESS - CUMMINS BREATHER (110HP) (ULS)

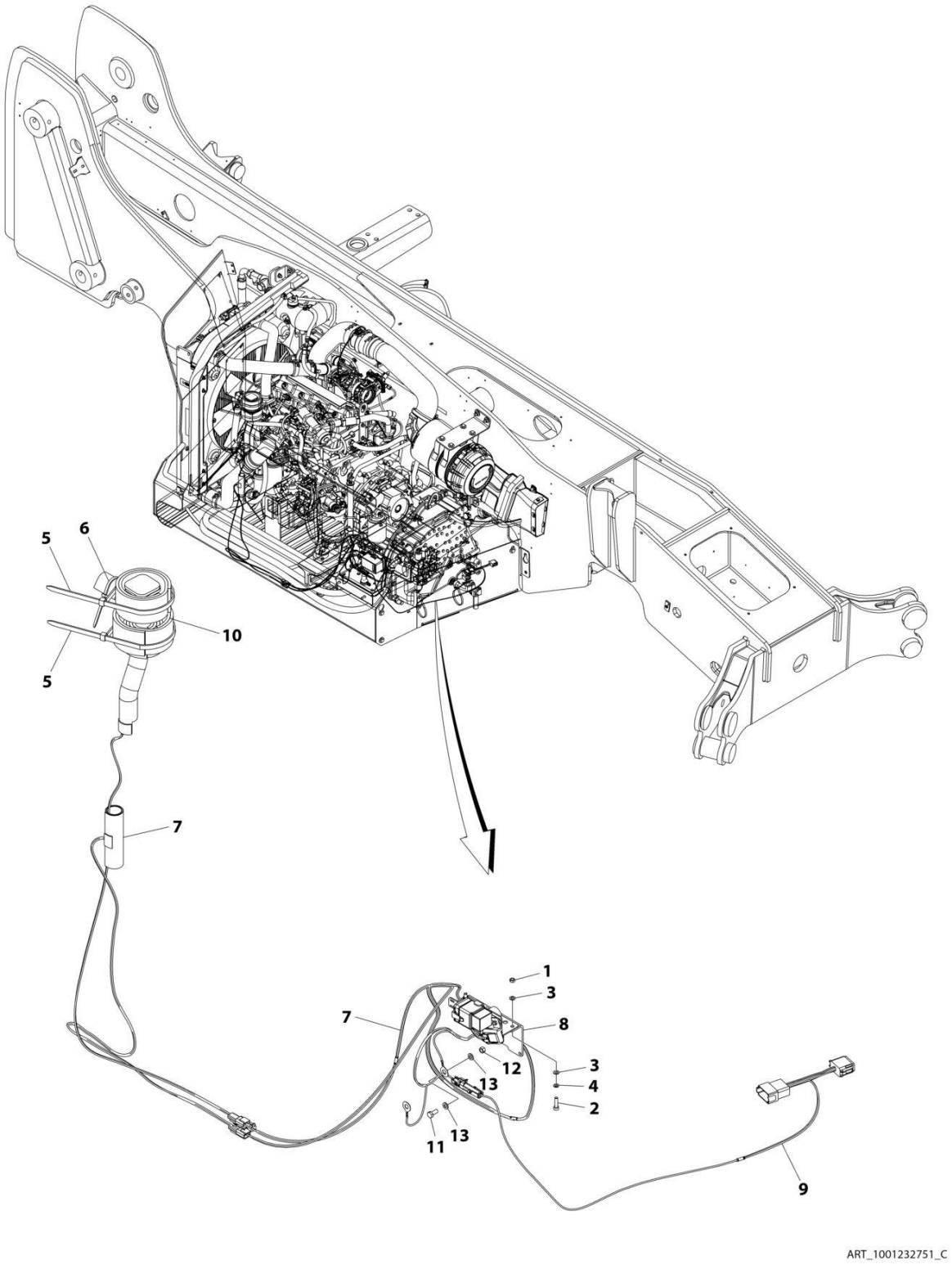


FIGURE 10-70. HEATER HARNESS - CUMMINS BREATHER (110HP) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001232751	Ref	Heater Breather - 110 HP	C
1	3290501	2	Nut, M5X0.8	
2	4031608	2	Screw, M5X20	
3	4811600	4	Washer, M5	
4	4831600	2	Washer, Lock M5	
5	01043892	2	Strap, Tie	
6	86683122	1	Strap, Tie	
7	1001232439	1	Engine, Cummins Breather Kit	
8	1001253331	1	Bracket	
9	1001232556	1	Harness, Cummins Heater Jump	
10	1001232624	1	Insulate, Cummins Insulation	
11	0760607	1	Bolt, M6X1	
12	3290601	1	Nut, M6X1	
13	4811700	2	Washer, M6	

FIGURE 10-71. HEATER HARNESS - FUEL FILTER

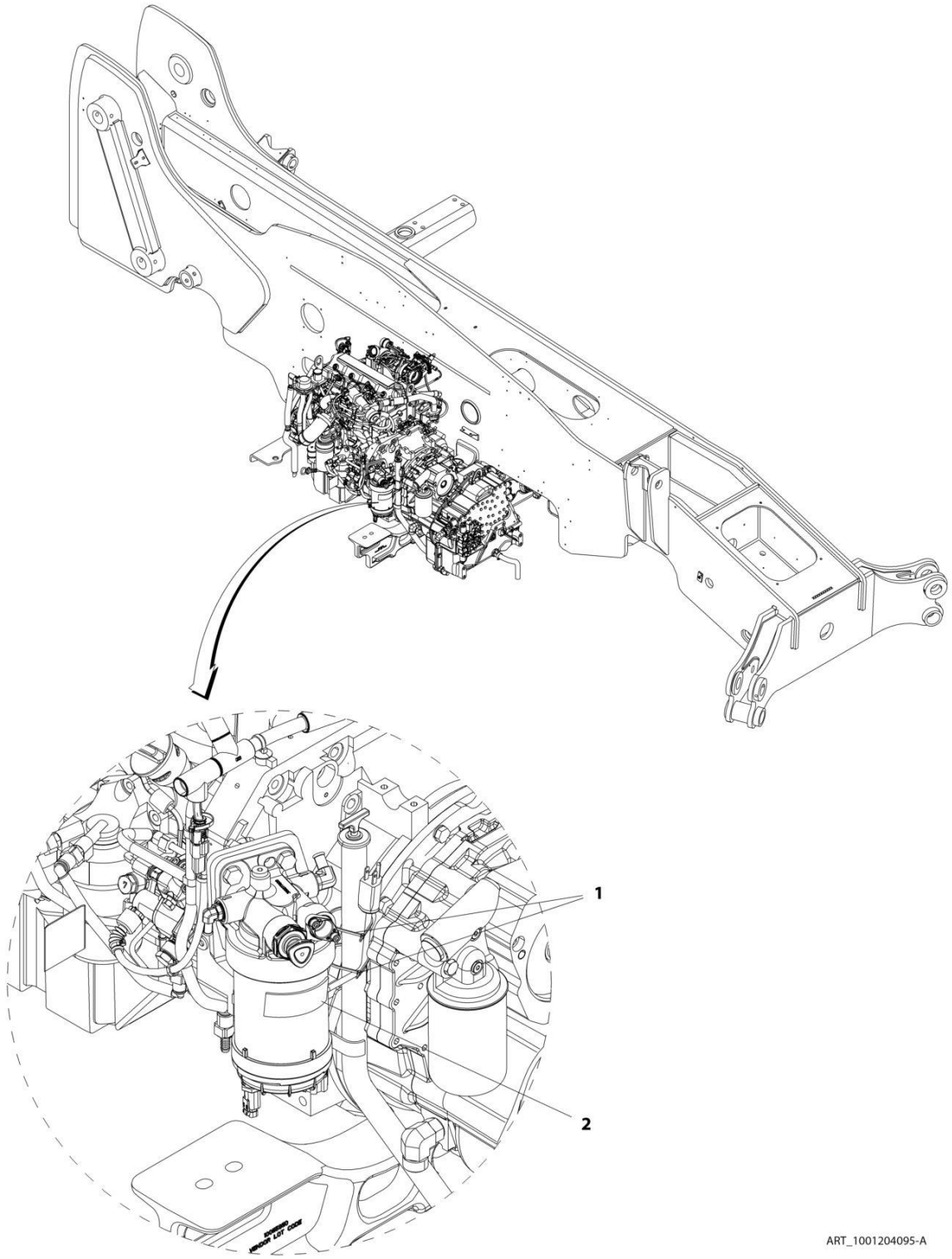


FIGURE 10-71. HEATER HARNESS - FUEL FILTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204095	Ref	Fuel Filter Heater Installation	A
1	4240099	2	Strap, Tie	
2	1001202498	1	Pad	

FIGURE 10-72. HEATER HARNESS - HYDRAULIC TANK

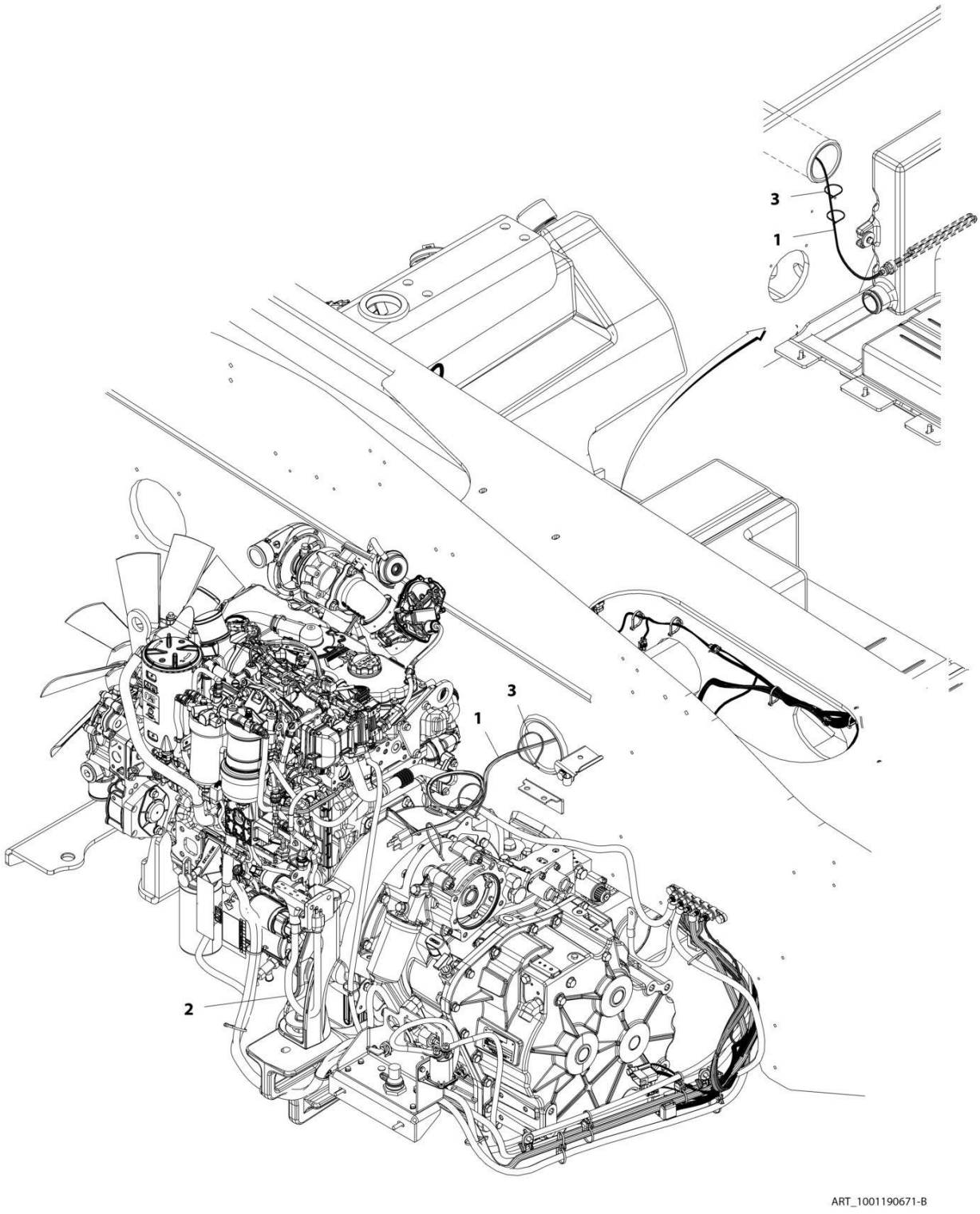


FIGURE 10-72. HEATER HARNESS - HYDRAULIC TANK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190671	Ref	Hydraulic Tank Heater Installation	B
1	1001105886	1	Heater, Immersion	
2	1060626	1	Cord, 3-Way Extension	
3	4240099	5	Strap, Tie	

FIGURE 10-73. HVAC ACTUATOR HARNESS

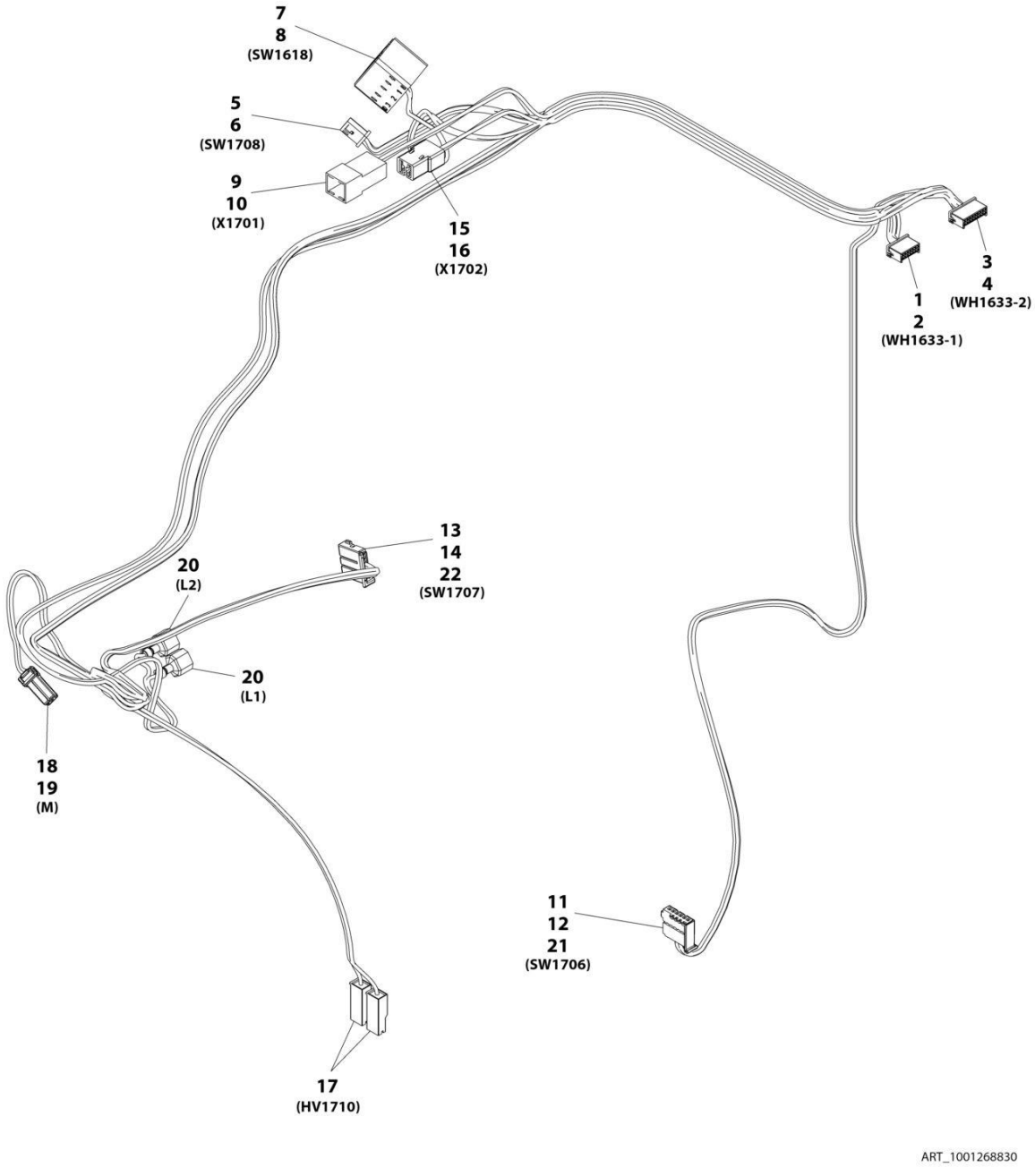


FIGURE 10-73. HVAC ACTUATOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268830	Ref	CAB HVAC ACTUATOR HARNESS	B
1	1001274536	1	Connector	
2	1001274543	10	Terminal	
3	1001274537	1	Connector	
4	1001274543	8	Terminal	
5	1001184473	1	Connector	
6	1001184479	3	Terminal	
7	1001274533	1	Connector	
8	1001274539	4	Terminal	
9	1001116999	1	Connector	
10	1001274540	2	Terminal	
11	1001274534	1	Connector	
12	1001274541	2	Terminal	
13	1001274534	1	Connector	
14	1001274541	5	Terminal	
15	1001116991	1	Connector	
16	1001116720	2	Terminal	
17	1001274535	2	Connector	
18	1001274538	1	Connector	
19	1001274544	2	Terminal	
20	8220050	2	Terminal	
21	1001274553	1	Retainer	
22	1001274553	1	Retainer	

FIGURE 10-74. KEY HARNESS

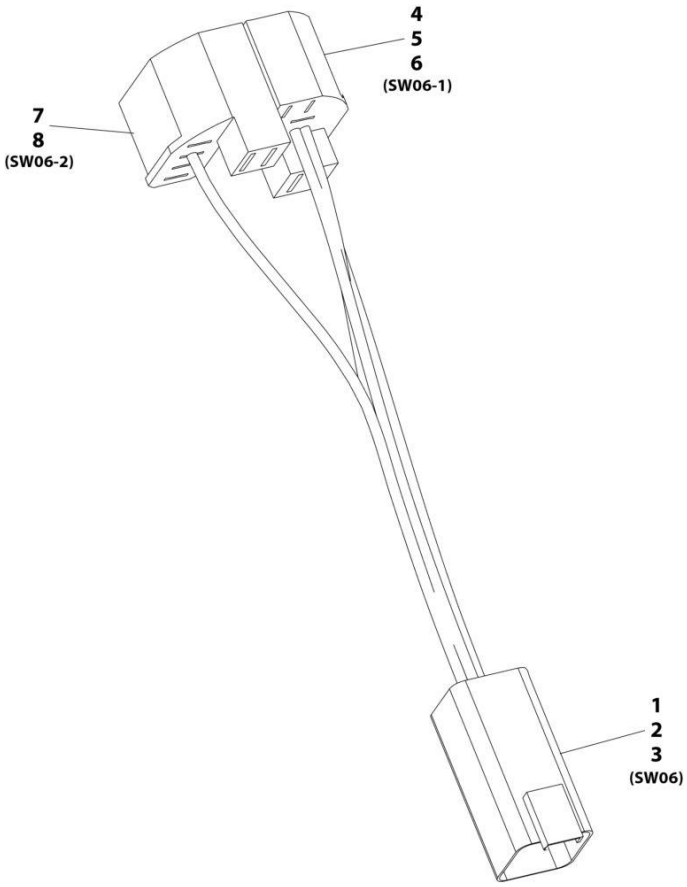


FIGURE 10-74. KEY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241610	Ref	Key Harness	A
1	4460899	1	Connector	
2	4460464	4	Terminal	
3	4460466	2	Plug	
4	1001118685	1	Connector	
5	1001104519	2	Terminal	
6	1001118383	1	Terminal	
7	1001117121	1	Connector	
8	1001104519	1	Terminal	

FIGURE 10-75. LIGHTS - BEACON INSTALLATION (LED)

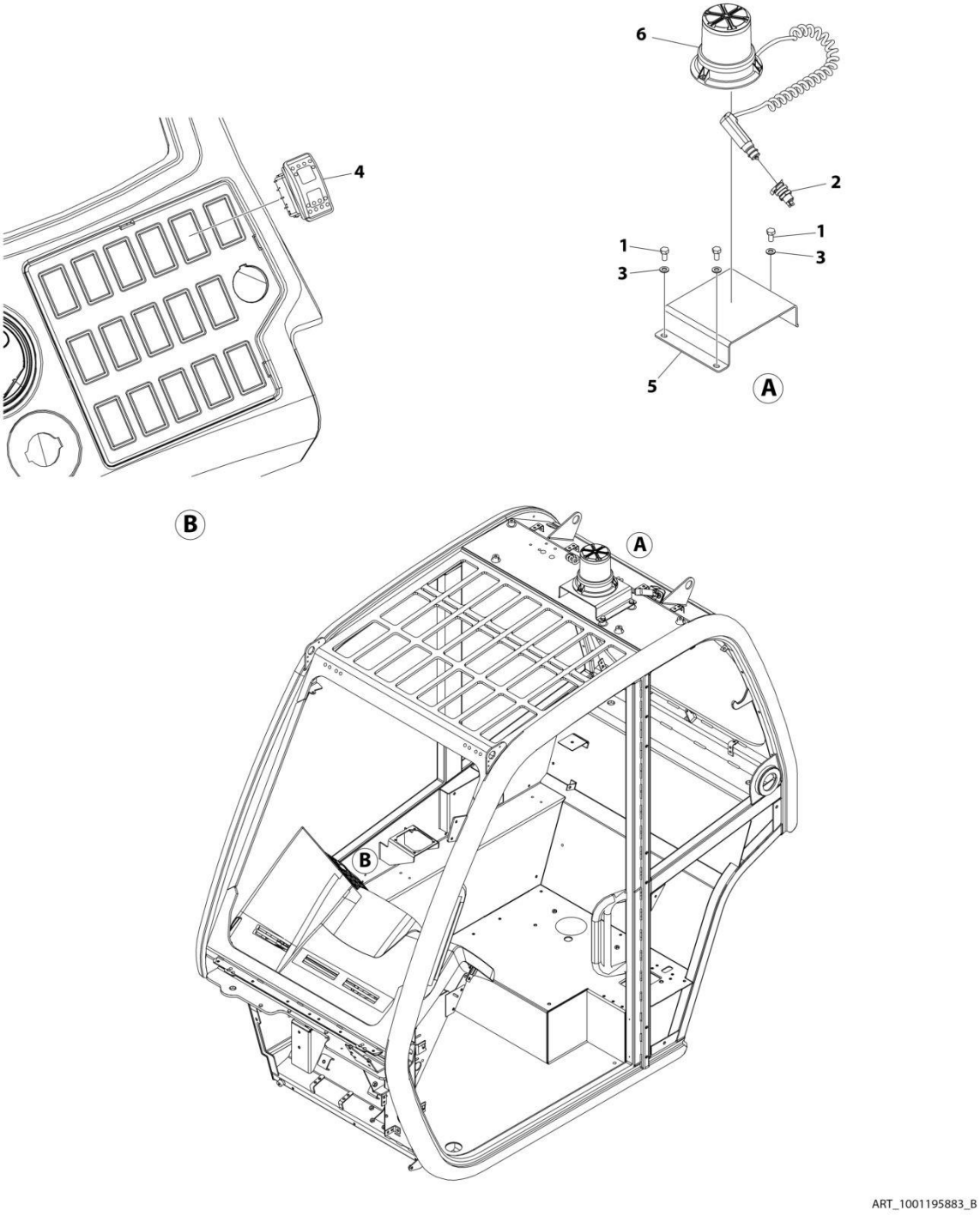


FIGURE 10-75. LIGHTS - BEACON INSTALLATION (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195883	Ref	LIGHTS - BEACON INSTALLATION (LED)	B
1	0760808	3	Bolt M8X16	
2	4461174	1	Terminal	
3	4811900	3	Washer, M8	
4	1001159738	1	Switch, Beacon	
5	1001174796	1	Bracket	
6	1001273075	1	Light, Beacon (LED)	

FIGURE 10-76. LIGHTS - BOOM WORK LIGHTS SWITCH/HARNESS INSTALLATION (LED)

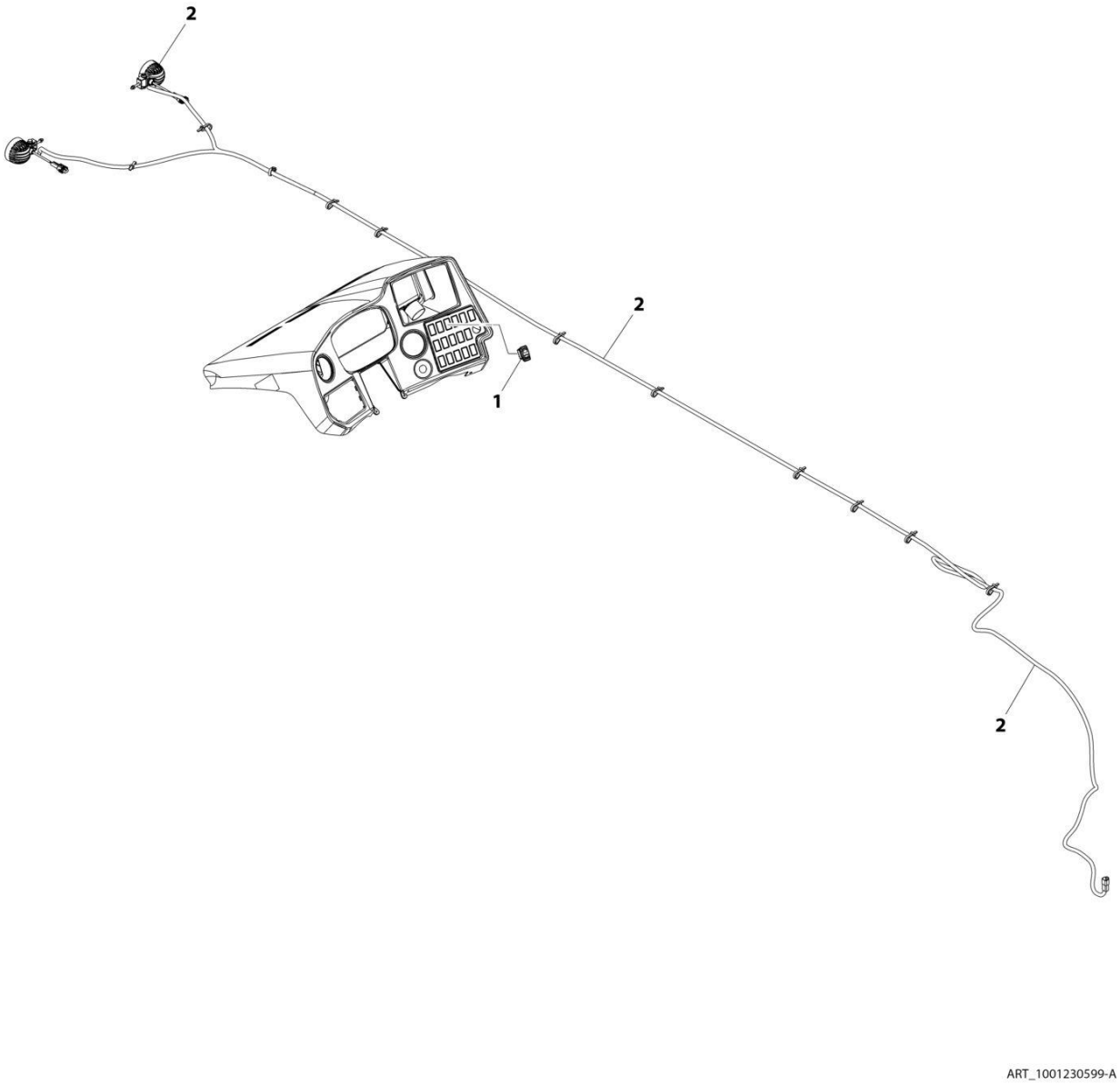


FIGURE 10-76. LIGHTS - BOOM WORK LIGHTS SWITCH/HARNESS INSTALLATION (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230599	Ref	Boom Work Lights Installation	A
1	1001159739	1	Switch, Boom Work Lights	
2	1001230623	1	Installation, Boom LED Work Lights (See Separate Breakdown in this Section)	

FIGURE 10-77. LIGHTS - BOOM WORK LIGHTS HARNESS INSTALLATION (LED)

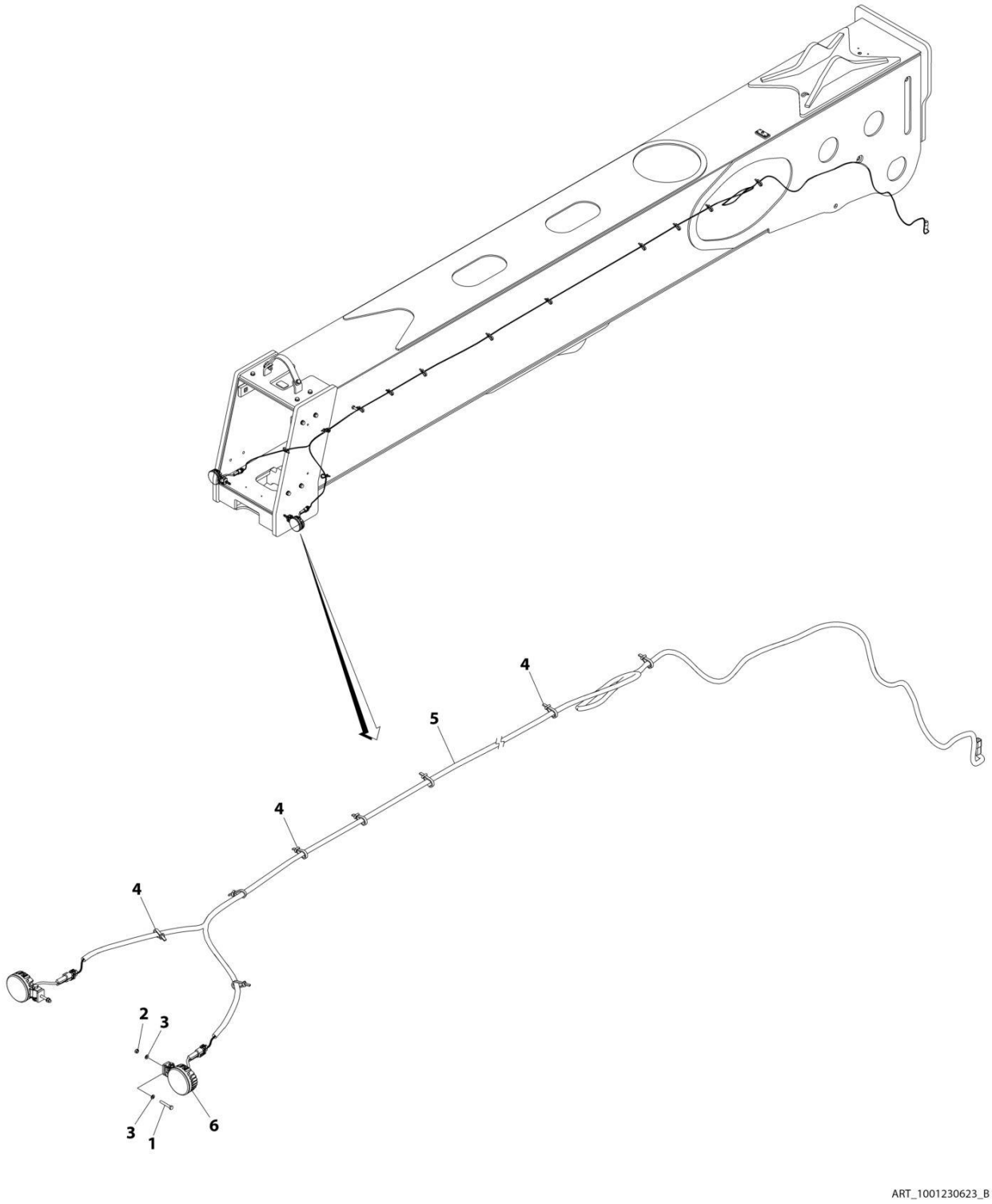


FIGURE 10-77. LIGHTS - BOOM WORK LIGHTS HARNESS INSTALLATION (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230623	Ref	BOOM WORK LIGHTS HARNESS INSTALLATION (LED)	B
1	0700616	2	Bolt M6 x 40	
2	3290601	2	Nut M6	
3	4811700	4	Washer M6	
4	1001008923	AR	Strap, Cable	
5	1001167608	1	Harness, Boom Worklights (See Separate Breakdown in this Section)	
6	1001273635	2	Lamp, LED Work light	

FIGURE 10-78. LIGHTS - BOOM WORK LIGHTS HARNESS

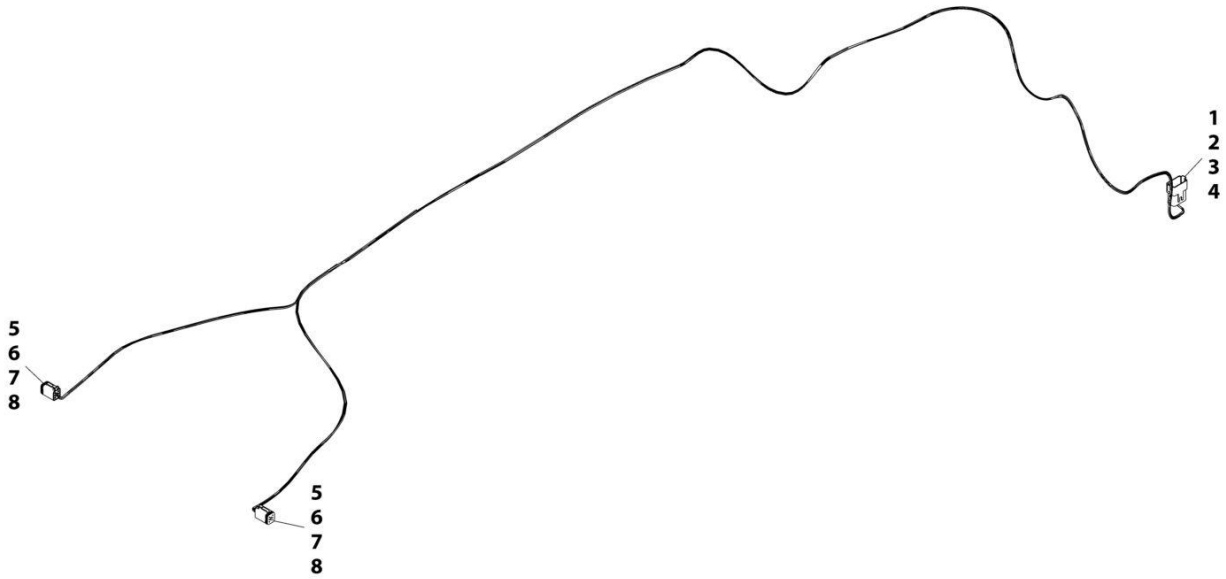


FIGURE 10-78. LIGHTS - BOOM WORK LIGHTS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167608	Ref	Boom Worklights Harness	E
1	4460932	1	Connector	
2	80604020	1	Lock, Connector	
3	4460464	2	Terminal	
4	4460466	2	Plug	
5	4461115	2	Connector	
6	1001103564	2	Lock, Terminal	
7	1001116728	2	Terminal	
8	4460458	2	Seal	

FIGURE 10-79. LIGHTS - CAB WORK LIGHTS INSTALLATION (NO A/C) (LED)

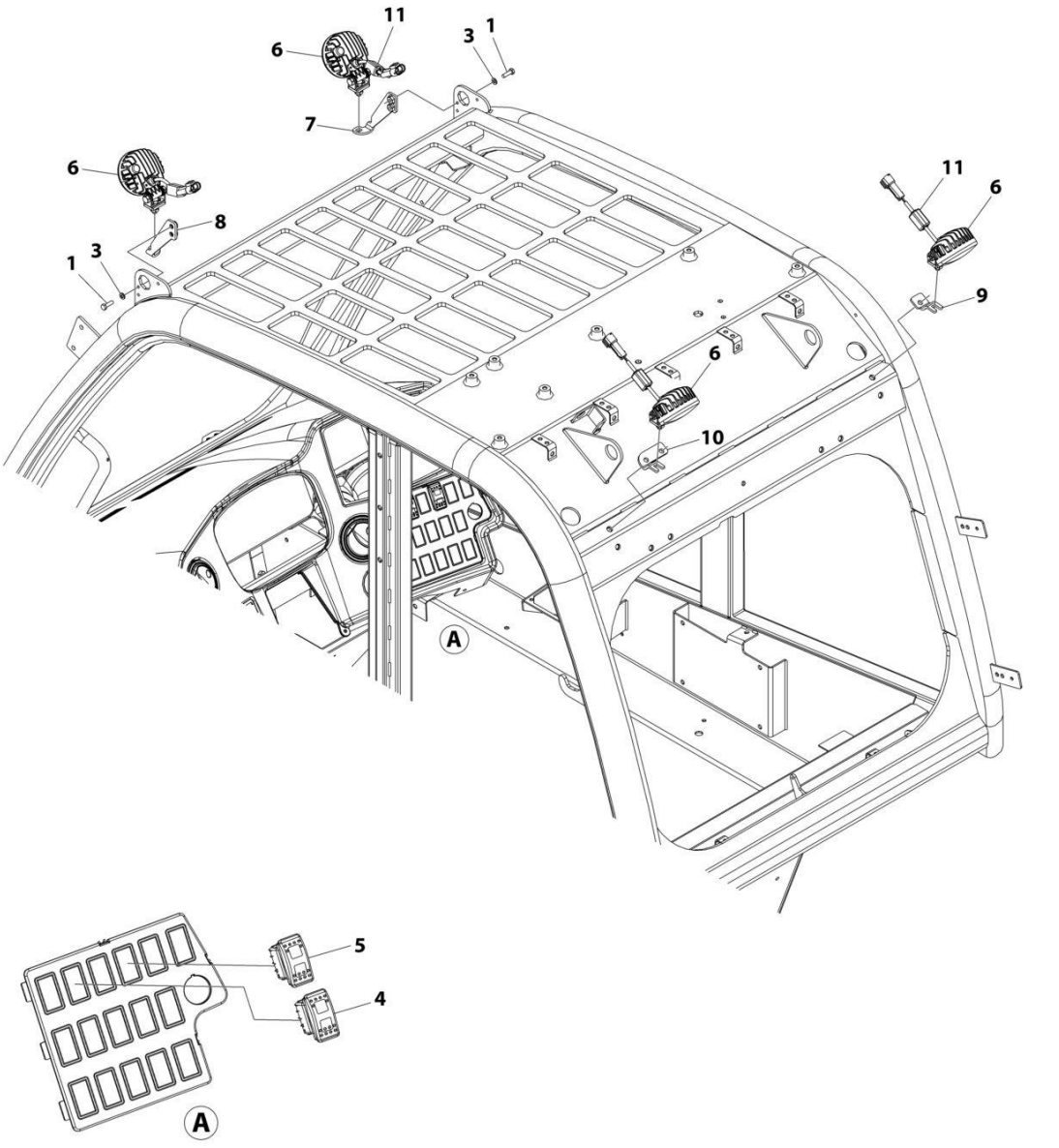


FIGURE 10-79. LIGHTS - CAB WORK LIGHTS INSTALLATION (NO A/C) (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200538	Ref	LIGHTS - CAB WORK LIGHTS INSTALLATION (NO A/C) (LED)	E
1	0700610	4	Bolt M6 x 20	
3	4811700	4	Washer M6	
4	1001159845	1	Switch, Front Worklights	
5	1001159846	1	Switch, Rear Worklights	
6	1001273635	4	Lamp, LED Work Light	
7	1001244193	1	Support, LED Work Light RH	
8	1001244192	1	Support, LED Work Light LH	
9	1001204528	1	Support, LED Work Light RH	
10	1001204530	1	Support, LED Work Light LH	
11	1001228989	4	Harness, Ferrite	

FIGURE 10-80. LIGHTS - CAB WORK LIGHTS INSTALLATION (A/C) (LED)

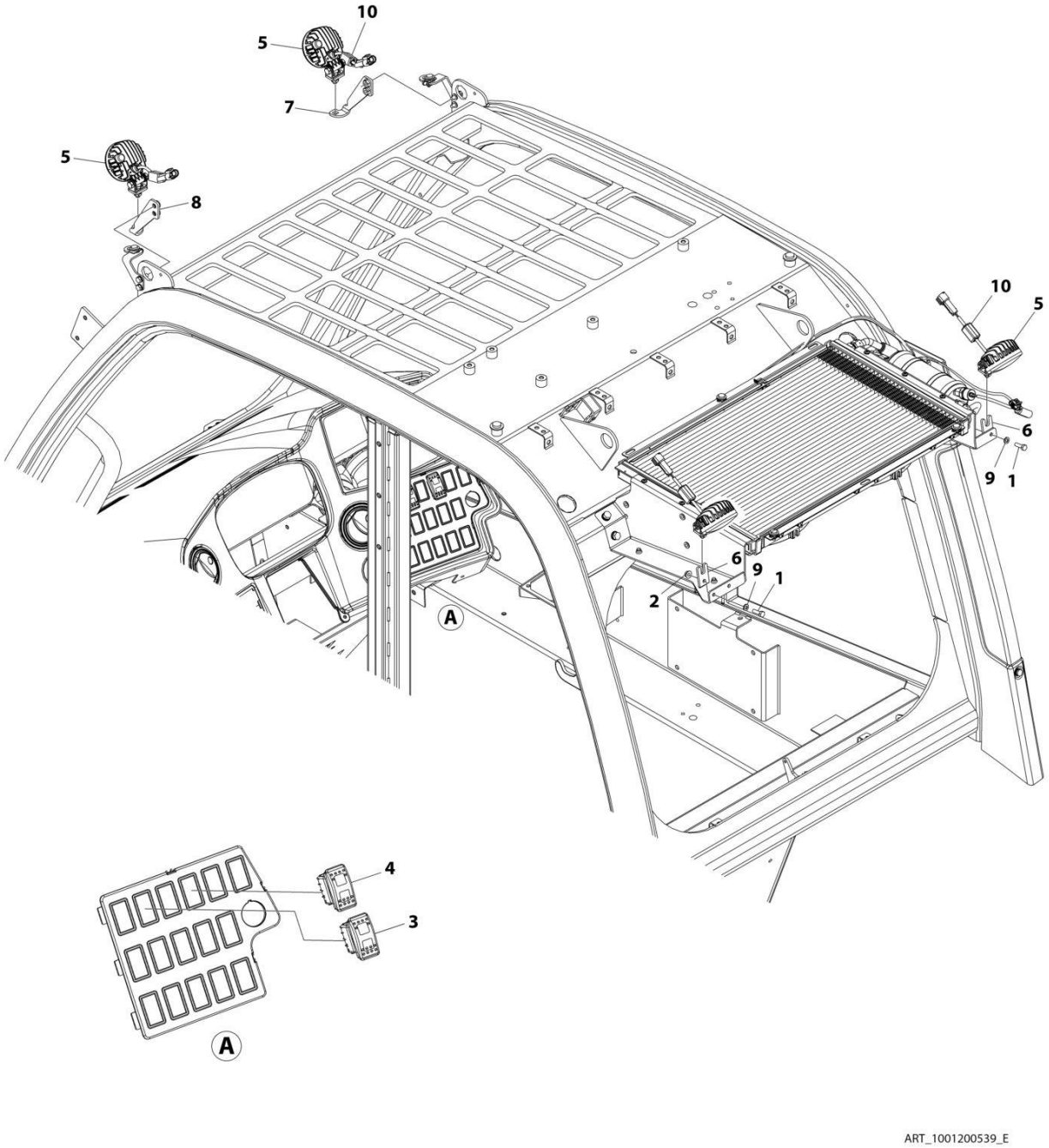


FIGURE 10-80. LIGHTS - CAB WORK LIGHTS INSTALLATION (A/C) (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200539	Ref	LIGHTS - CAB WORK LIGHTS INSTALLATION (A/C) (LED)	E
1	0700610	2	Bolt M6 x 20	
2	5220600	2	Nut M6	
3	1001159845	1	Switch, Front Worklights	
4	1001159846	1	Switch, Rear Worklights	
5	1001273635	4	Lamp, LED Worklights	
6	1001204060	2	Bracket	
7	1001244193	1	Support, LED Work Light RH	
8	1001244192	1	Support, LED Work Light LH	
9	4811700	2	Washer M6	
10	1001228989	4	Harness, Ferrite	

FIGURE 10-81. LIGHTS - ROADLIGHTS INSTALLATION

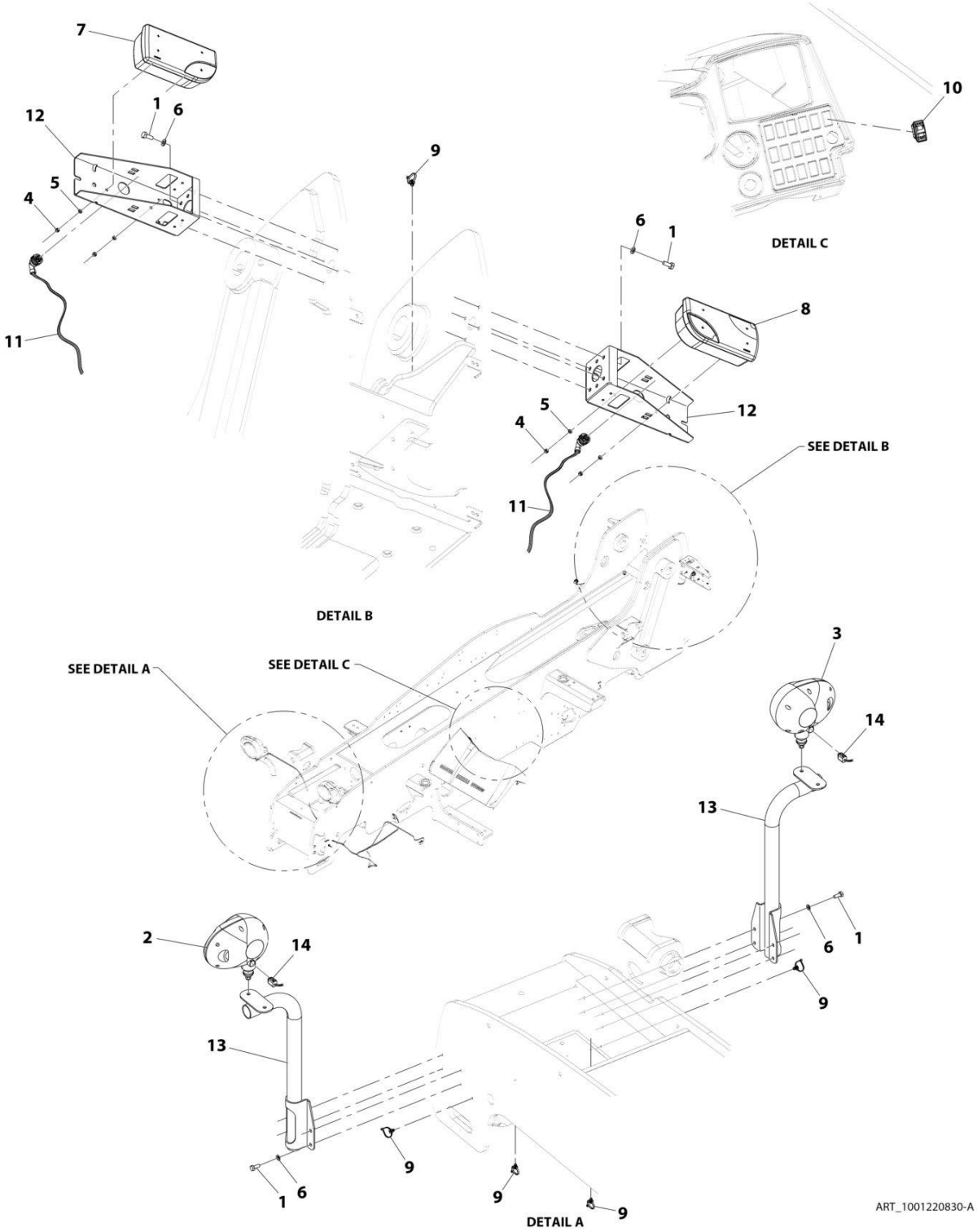


FIGURE 10-81. LIGHTS - ROADLIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220830	Ref	Road Lights Installation	A
1	0761010	16	Bolt, M10X20	
2	2920207	1	Driving Light, LH	
2	7029969	1	Bulb, 4W	
2	7029970	1	Bulb, 55W	
2	7029971	1	Bulb, 21W	
3	2920208	1	Driving Light, RH	
3	7029969	1	Bulb, 4W	
3	7029970	1	Bulb, 55W	
3	7029971	1	Bulb, 21W	
4	3290607	4	Nut, M6X1	
5	4811700	4	Washer, M6	
6	4812000	16	Washer, M10	
7	1001091715	1	Lamp, Rear LH	
7	70021341	1	Bulb, 5W	
7	70021340	1	Bulb, 21W	
7	7029971	1	Bulb, 21W	
8	1001091716	1	Lamp, Rear RH	
8	70021341	1	Bulb, 5W	
8	70021340	1	Bulb, 21W	
8	7029971	1	Bulb, 21W	
9	1001146588	5	Strap, Tie	
10	1001159734	1	Switch, Hazard	
11	1001173092	1	Harness, HBP Tail Lights (See Separate Breakdown in this Section)	
12	1001196100	2	Bracket	
13	1001220817	2	Bracket	
14	1001165360	1	Harness, Front Frame Headlight (See Separate Breakdown in this Section)	

FIGURE 10-82. LIGHTS - ROADLIGHTS HEADLIGHT HARNESS

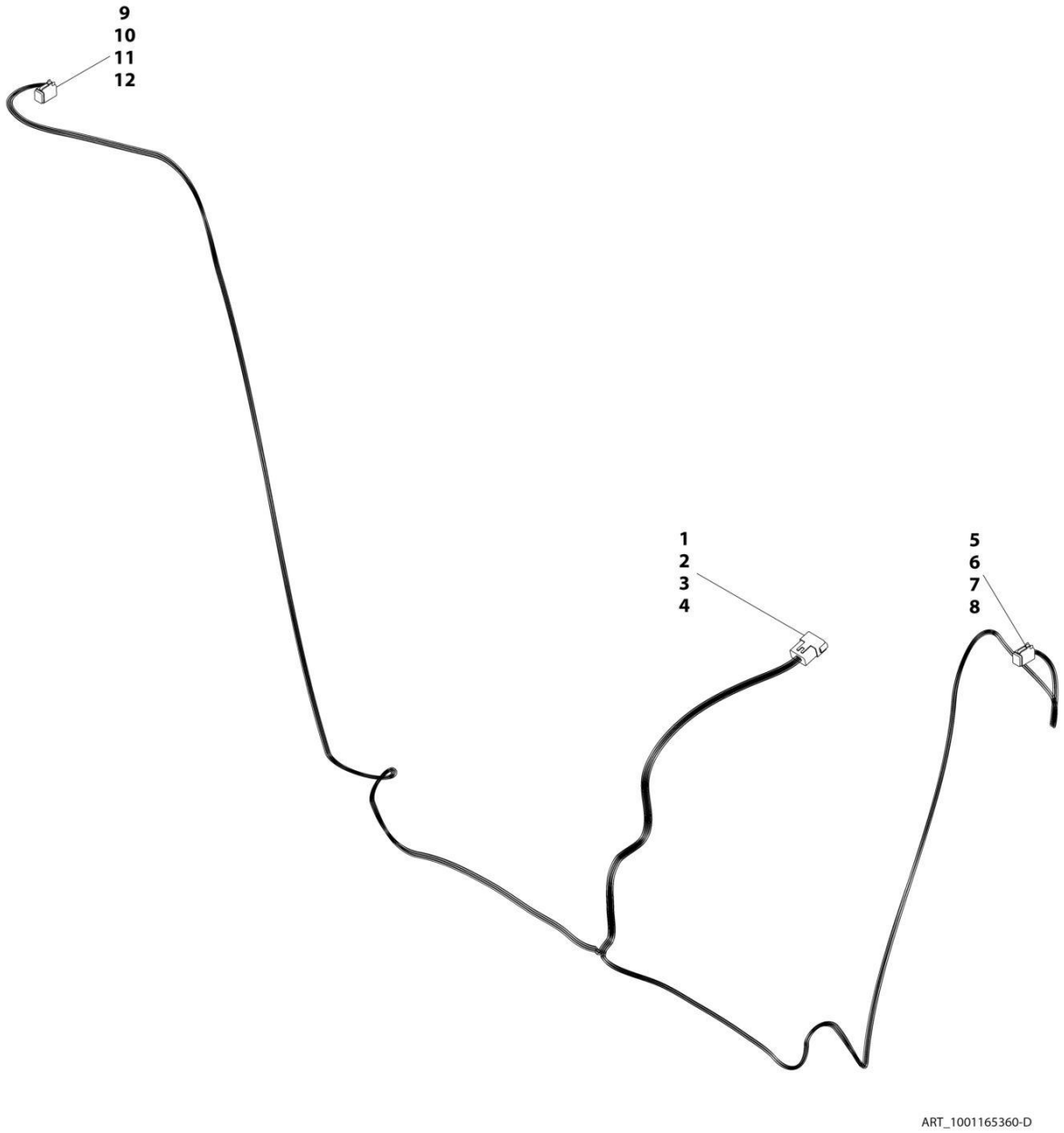


FIGURE 10-82. LIGHTS - ROADLIGHTS HEADLIGHT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165360	Ref	Front Frame Headlight Harness	D
1	4460970	1	Connector	
2	80363179	1	Lock, Connector	
3	4460941	10	Terminal	
4	4460466	2	Plug	
5	4460894	1	Connector	
6	91504107	1	Lock, Connector	
7	4460942	5	Terminal	
8	4460466	1	Plug	
9	4460894	1	Connector	
10	91504107	1	Lock, Connector	
11	4460942	5	Terminal	
12	4460466	1	Plug	

FIGURE 10-83. LIGHTS - ROADLIGHTS TAILLIGHTS HARNESS

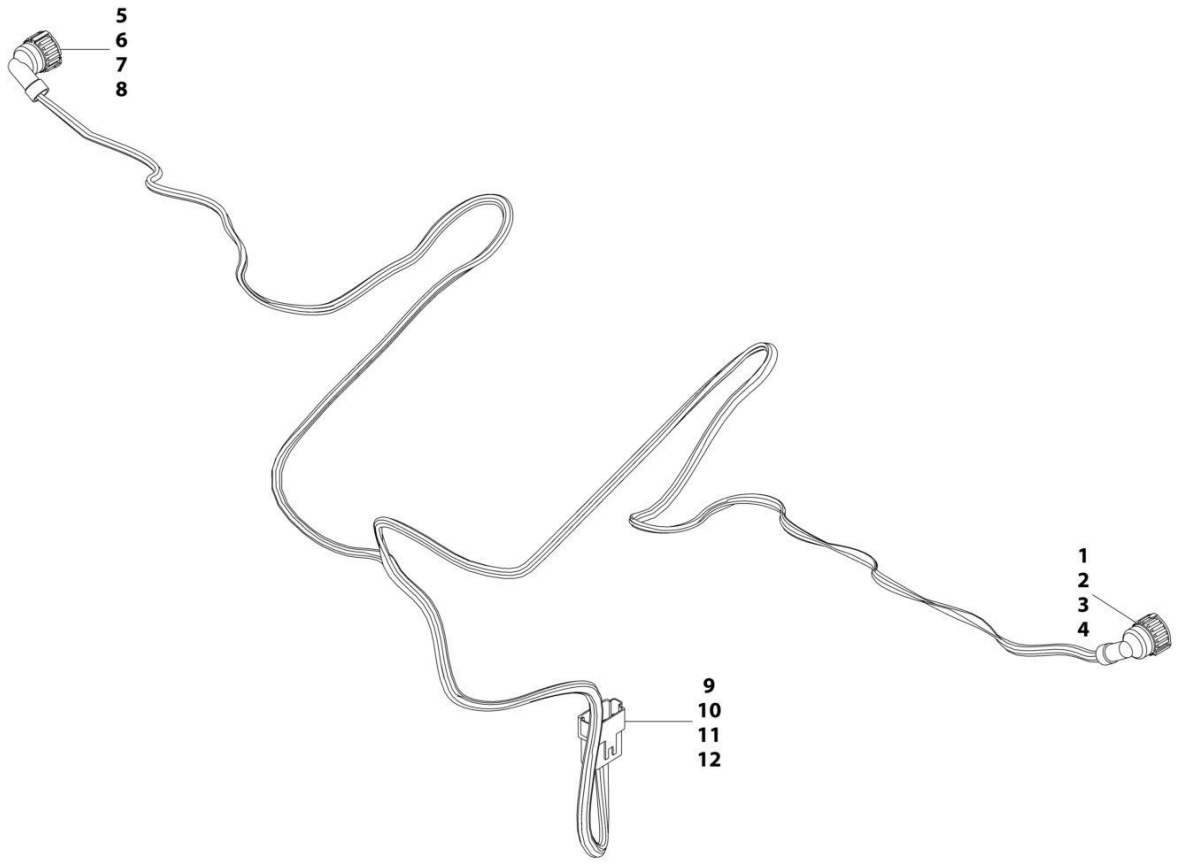


FIGURE 10-83. LIGHTS - ROADLIGHTS TAILLIGHTS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173092	Ref	HBP Tail Lights Harness	D
1	1001116996	1	Connector	
2	1001118392	5	Terminal	
3	4461054	5	Seal	
4	1001116696	2	Plug	
5	1001116996	1	Connector	
6	1001118392	5	Terminal	
7	4461054	5	Seal	
8	1001116696	2	Plug	
9	4460970	1	Connector	
10	80363179	1	Lock, Connector	
11	4460941	10	Terminal	
12	4460466	2	Plug	

FIGURE 10-84. LIGHTS - SWITCH INSTALLATION

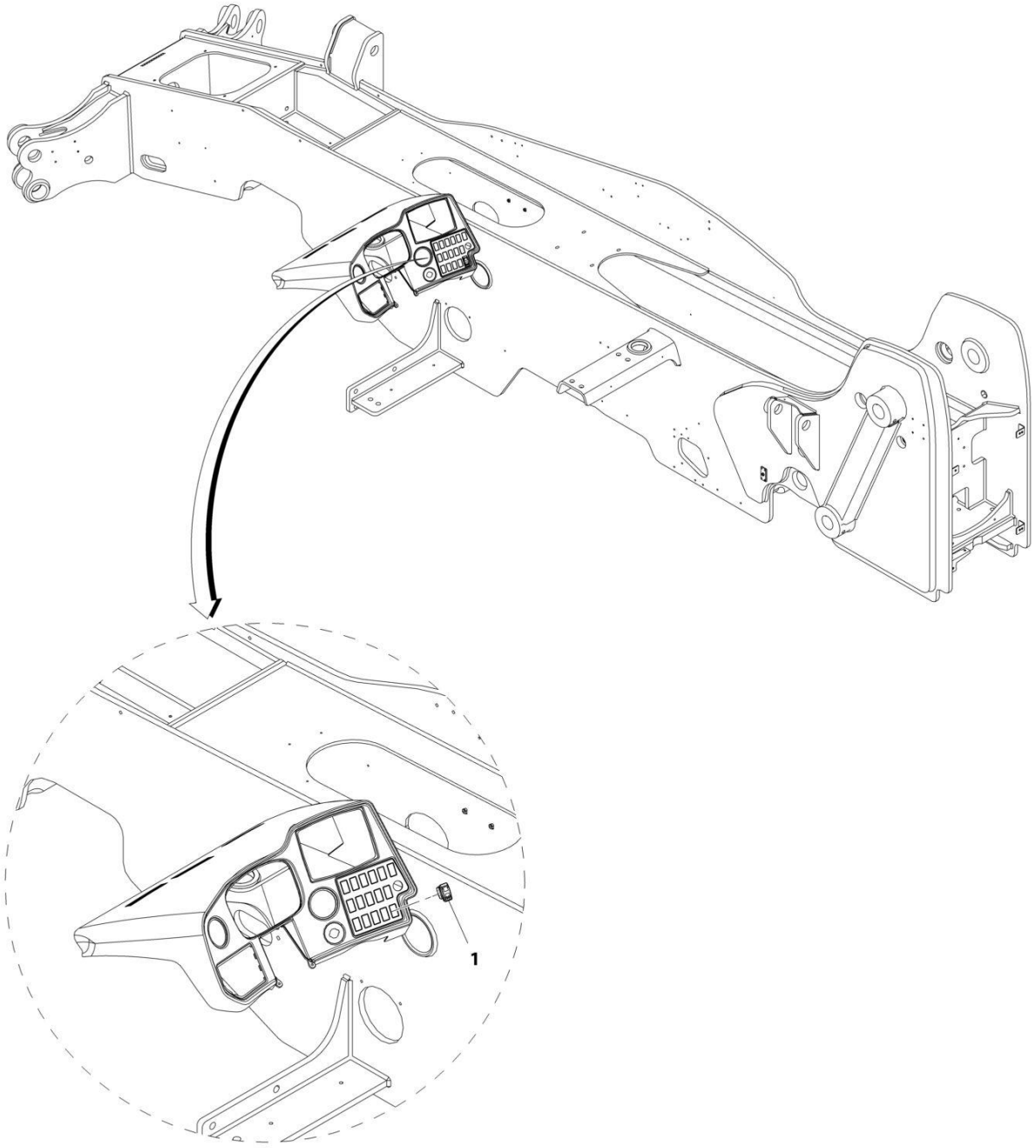


FIGURE 10-84. LIGHTS - SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197282	Ref	Switch Light Installation	A
1	1001163639	1	Switch, Driving Lights	

FIGURE 10-85. LSI HARNESS - BOOM RETRACT

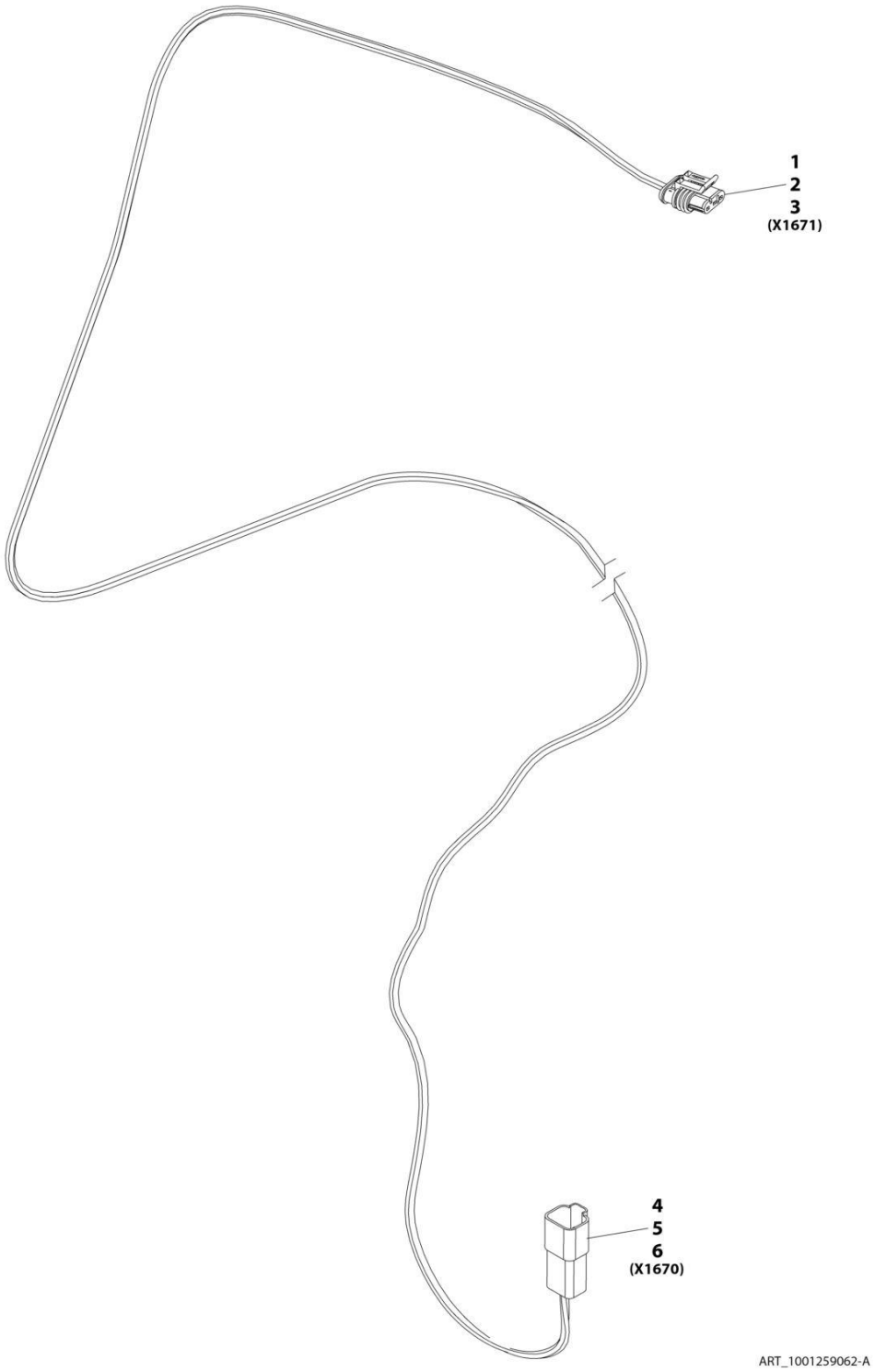


FIGURE 10-85. LSI HARNESS - BOOM RETRACT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259062	Ref	Boom Retract Harness	B
1	4461262	1	Connector	
2	1001107854	3	Terminal	
3	1001104498	3	Seal	
4	4460932	1	Connector	
5	4460464	3	Terminal	
6	4460466	1	Plug	

FIGURE 10-86. PLATFORM HARNESS

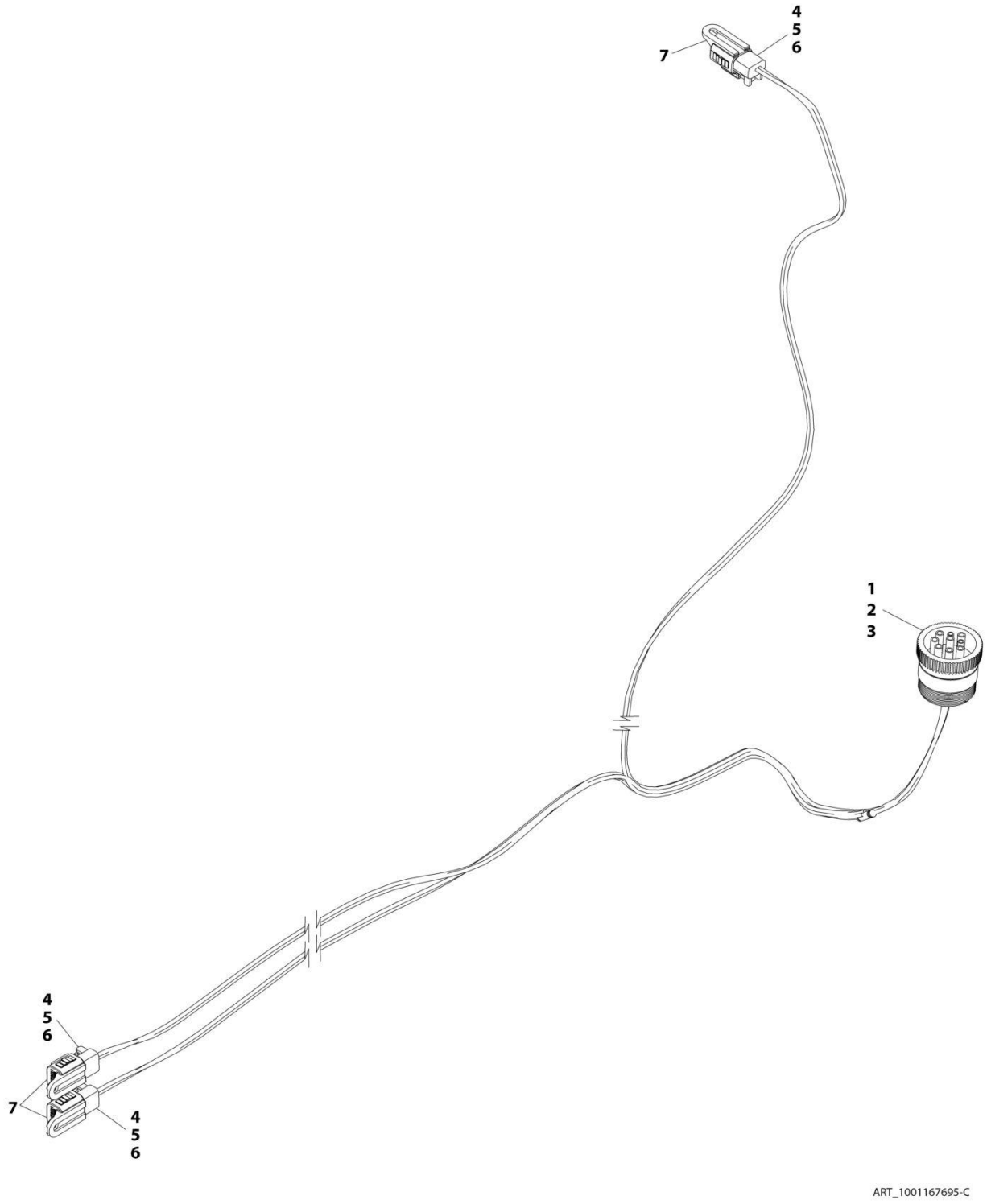


FIGURE 10-86. PLATFORM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167695	Ref	Platform Harness	C
1	1001112796	1	Connector	
2	4460466	5	Terminal	
3	4460465	4	Terminal	
4	4460891	3	Connector, (includes rear seal)	
5	80604018	2	Lock, Connector	
6	4460465	2	Terminal	
7	1001155806	3	Cap, Dust	

FIGURE 10-87. REVERSE CAMERA INSTALLATION

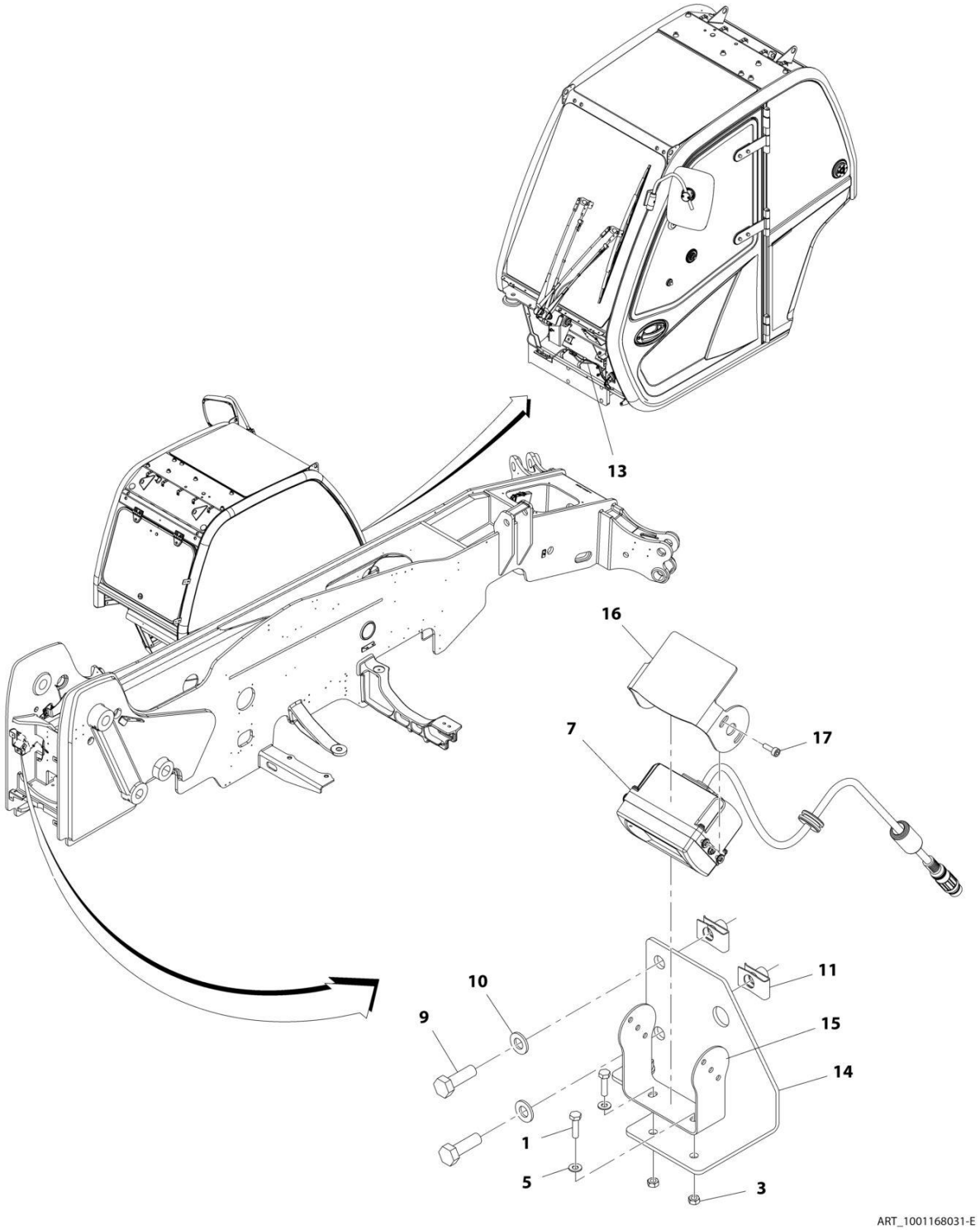


FIGURE 10-87. REVERSE CAMERA INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168031	Ref	Reverse Camera Installation	E
1	0700408	2	Bolt, M4X16	
3	3290401	2	Nut, M4X0.7	
5	4811400	2	Washer, M4	
7	1001167017	1	Camera	
9	0760812	3	Bolt, M8X25	
10	4811900	3	Washer, M8	
11	8310686	3	Nut, Retainer M8X12.5	
13	1001171962	1	Cable, Reverse Camera	
14	1001202620	1	Bracket, Reverse Camera Mount	
15	1001202621	1	Bracket, Reverse Camera Mount	
16	1001202622	1	Bracket, Reverse Sun Shield	
17	4031205	4	Bolt, M3X10	

FIGURE 10-88. REVERSE SENSOR INSTALLATION

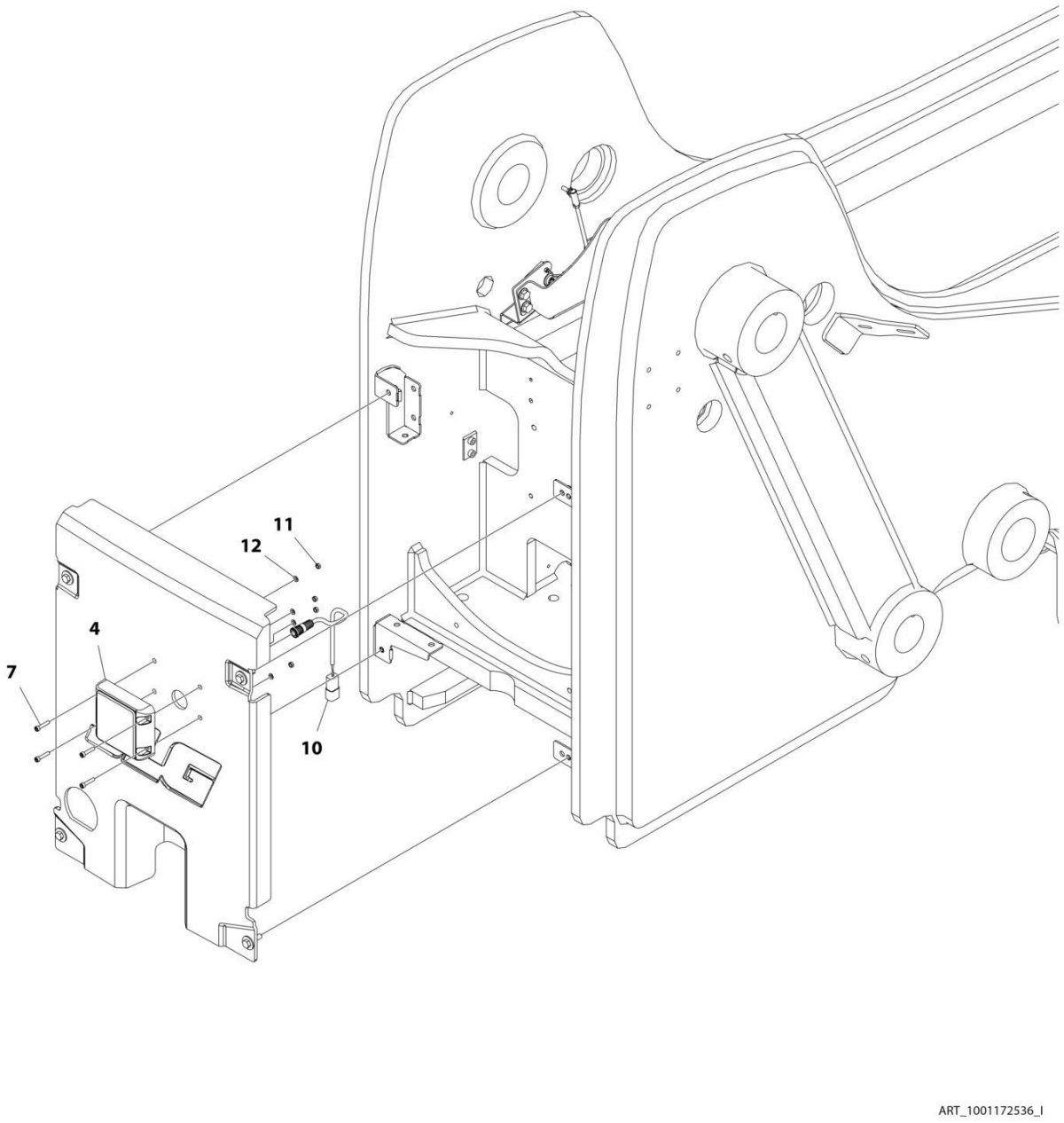
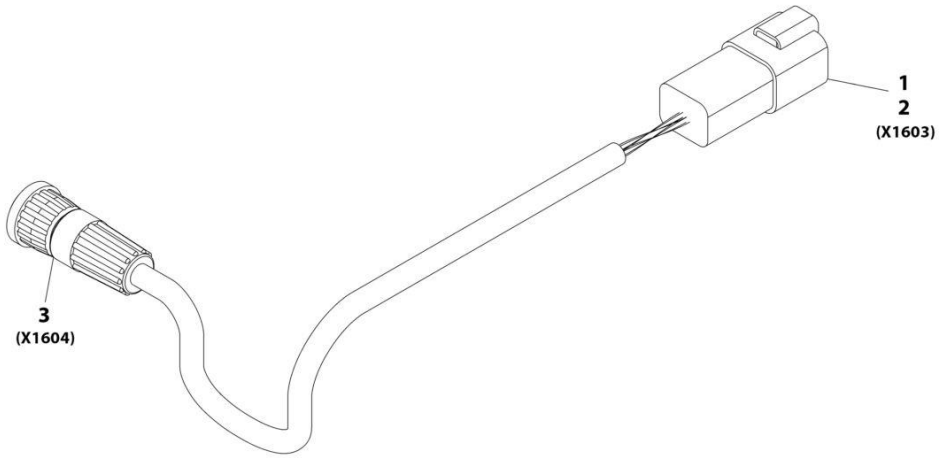


FIGURE 10-88. REVERSE SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172536	Ref	Reverse Sensor Installation	I
4	1001247421	1	Sensor, Reverse	
7	5271609	4	Screw, M5X25	
10	1001175776	1	Harness, Reverse Sensor (See Separate Breakdown in this Section)	
11	3290501	4	Nut, M5X0.8	
12	4811600	4	Washer, M5	

FIGURE 10-89. REVERSE SENSOR HARNESS



ART_1001175776-C

FIGURE 10-89. REVERSE SENSOR HARNESS

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

FIGURE 10-90. RIDE CONTROL VALVE HARNESS INSTALLATION

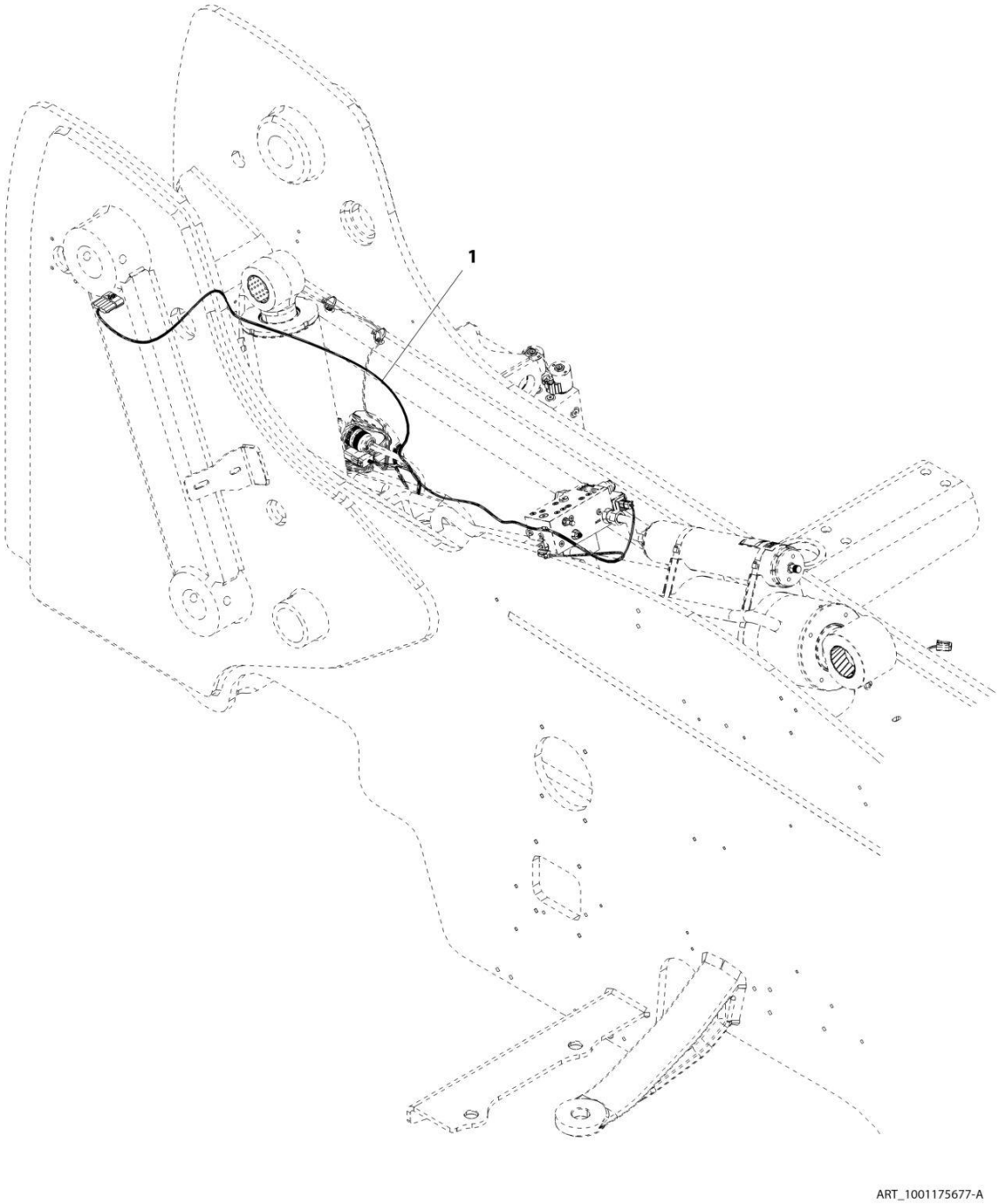


FIGURE 10-90. RIDE CONTROL VALVE HARNESS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001175677	Ref	Ride Control CB Valve Harness Installation	A
1	1001173527	1	Harness, Ride Control CB Valve (See Separate Breakdown in this Section)	

FIGURE 10-91. RIDE CONTROL VALVE HARNESS

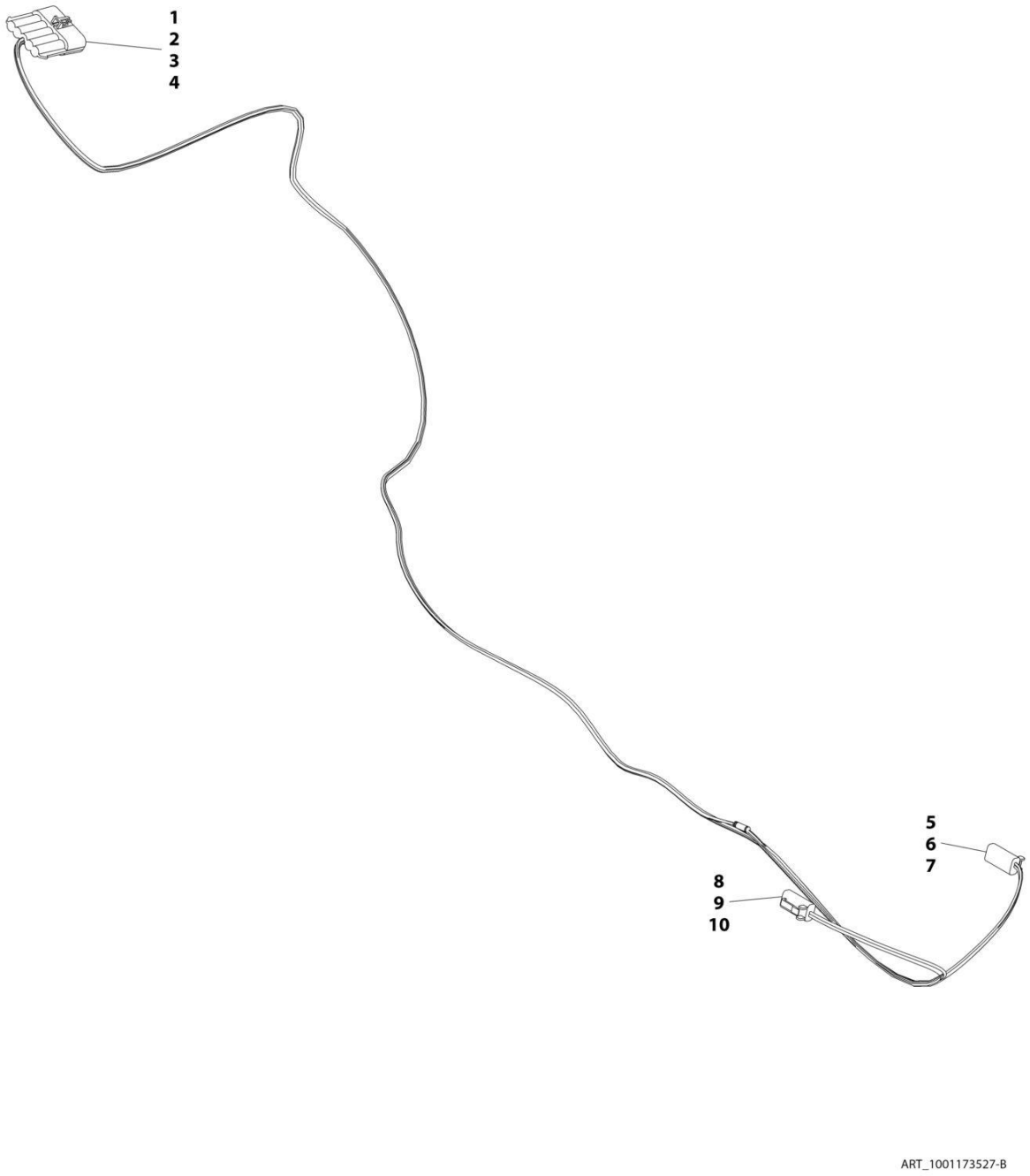


FIGURE 10-91. RIDE CONTROL VALVE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173527	Ref	Ride Control CB Valve Harness	B
1	1001121727	1	Connector	
2	1001166727	2	Plug	
3	1001116745	2	Terminal	
4	1001116729	1	Terminal	
5	4460891	1	Connector	
6	80604018	1	Lock, Secondary	
7	4460465	2	Terminal	
8	4460891	1	Connector	
9	80604018	1	Lock, Secondary	
10	4460465	2	Terminal	

FIGURE 10-92. ROOF PIGTAIL HARNESS



FIGURE 10-92. ROOF PIGTAIL HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202132	Ref	Roof Pigtail Harness	A
1	1001201080	1	Connector	
2	4460942	6	Terminal	
3	4460466	8	Plug	
4	4460884	1	Connector	
5	4460942	4	Terminal	
6	80604021	1	Wedge Lock	
7	4460994	1	Connector	
8	1001118384	1	Terminal	

FIGURE 10-93. ROOF PIGTAIL HARNESS

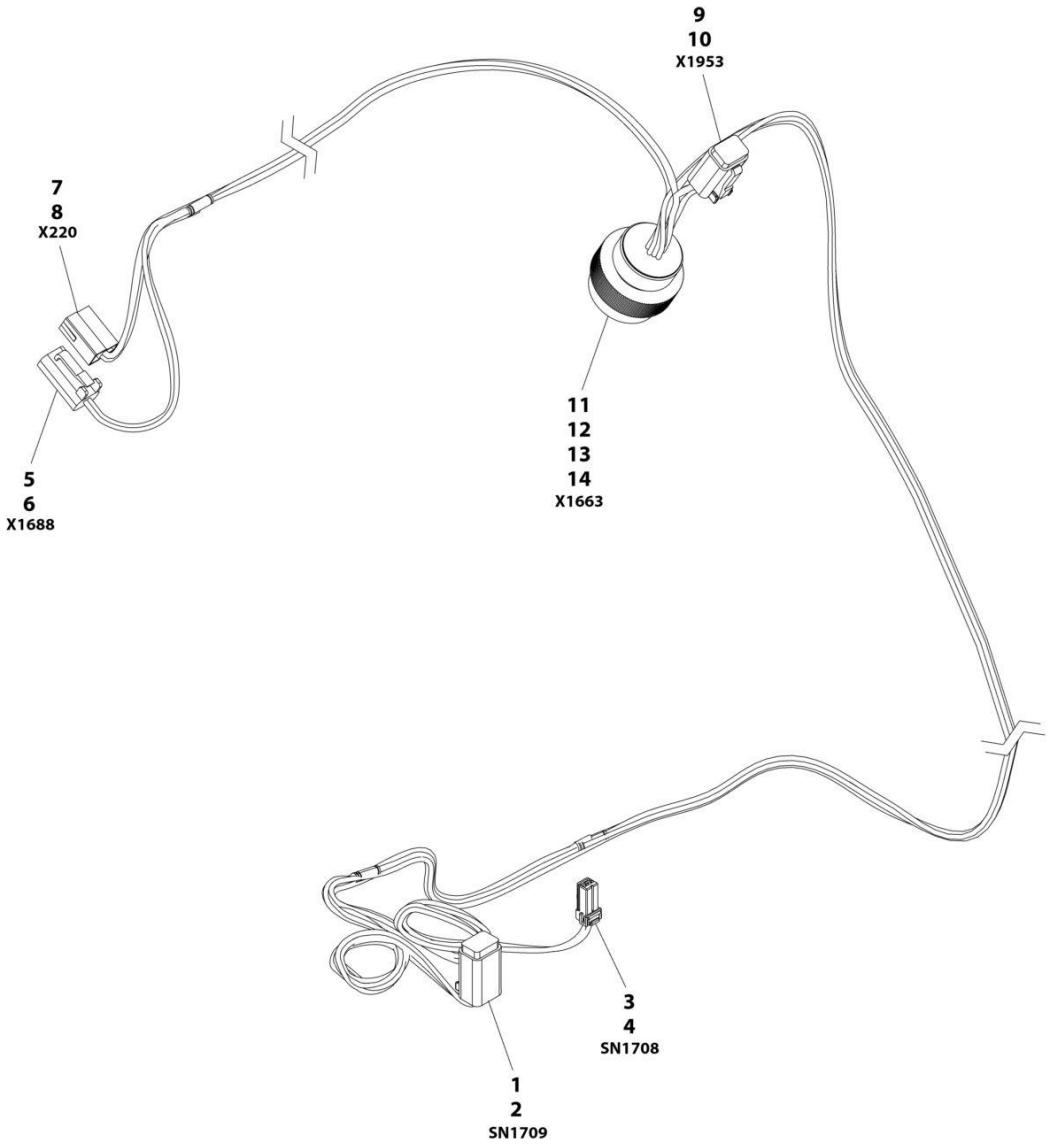
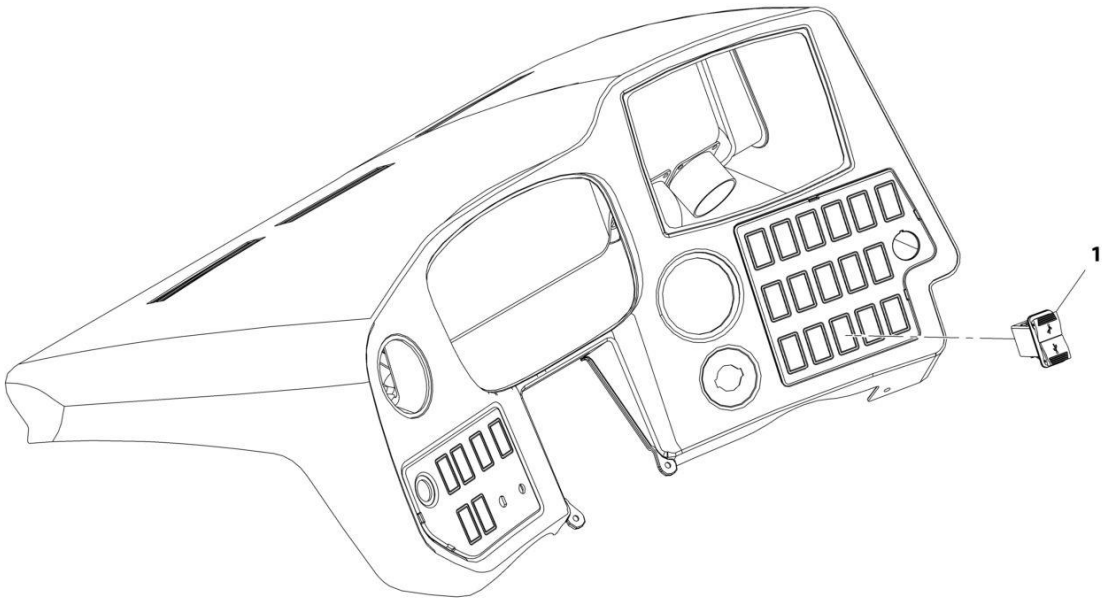


FIGURE 10-93. ROOF PIGTAIL HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265200	Ref	Roof Pigtail Harness	A
1	4460884	1	Connector	
2	4460465	4	Terminal	
3	1001264844	1	Connector	
4	1001264861	2	Terminal	
5	4460891	1	Connector	
6	4460465	2	Terminal	
7	4460994	1	Connector	
8	1001118384	2	Terminal	
9	4460884	1	Connector	
10	4460942	4	Terminal	
11	4461015	1	Connector	
12	4460942	6	Terminal	
13	4460465	5	Terminal	
14	4460466	3	Plug	

FIGURE 10-94. USB CHARGER INSTALLATION



ART_1001200152-A

FIGURE 10-94. USB CHARGER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200152	Ref	USB Charger Installation	A
1	1001174712	1	USB Charger Assembly	

FIGURE 10-95. JUMPER HARNESS

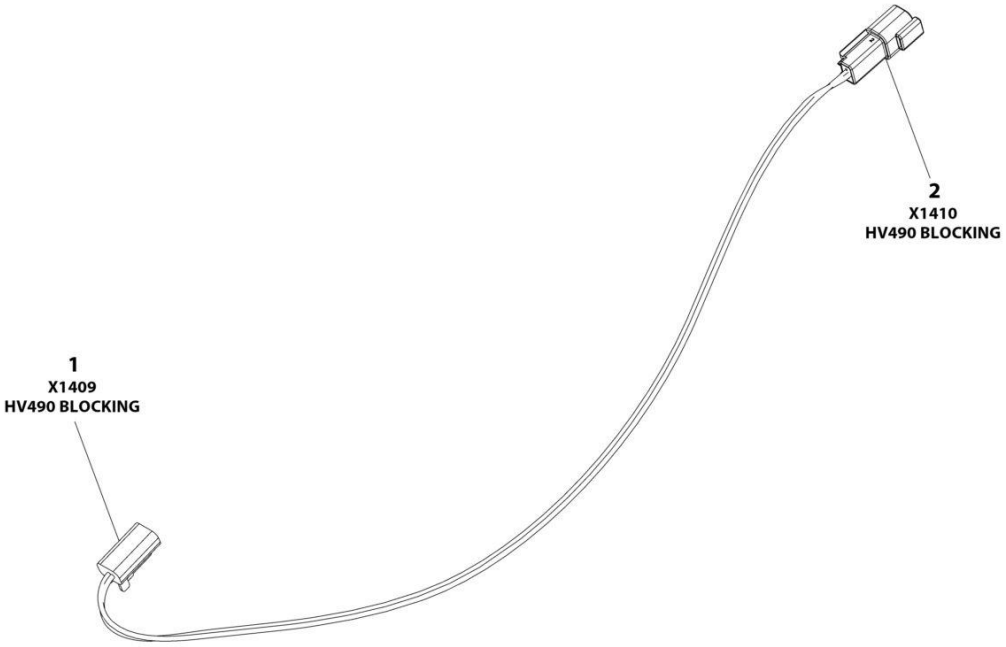


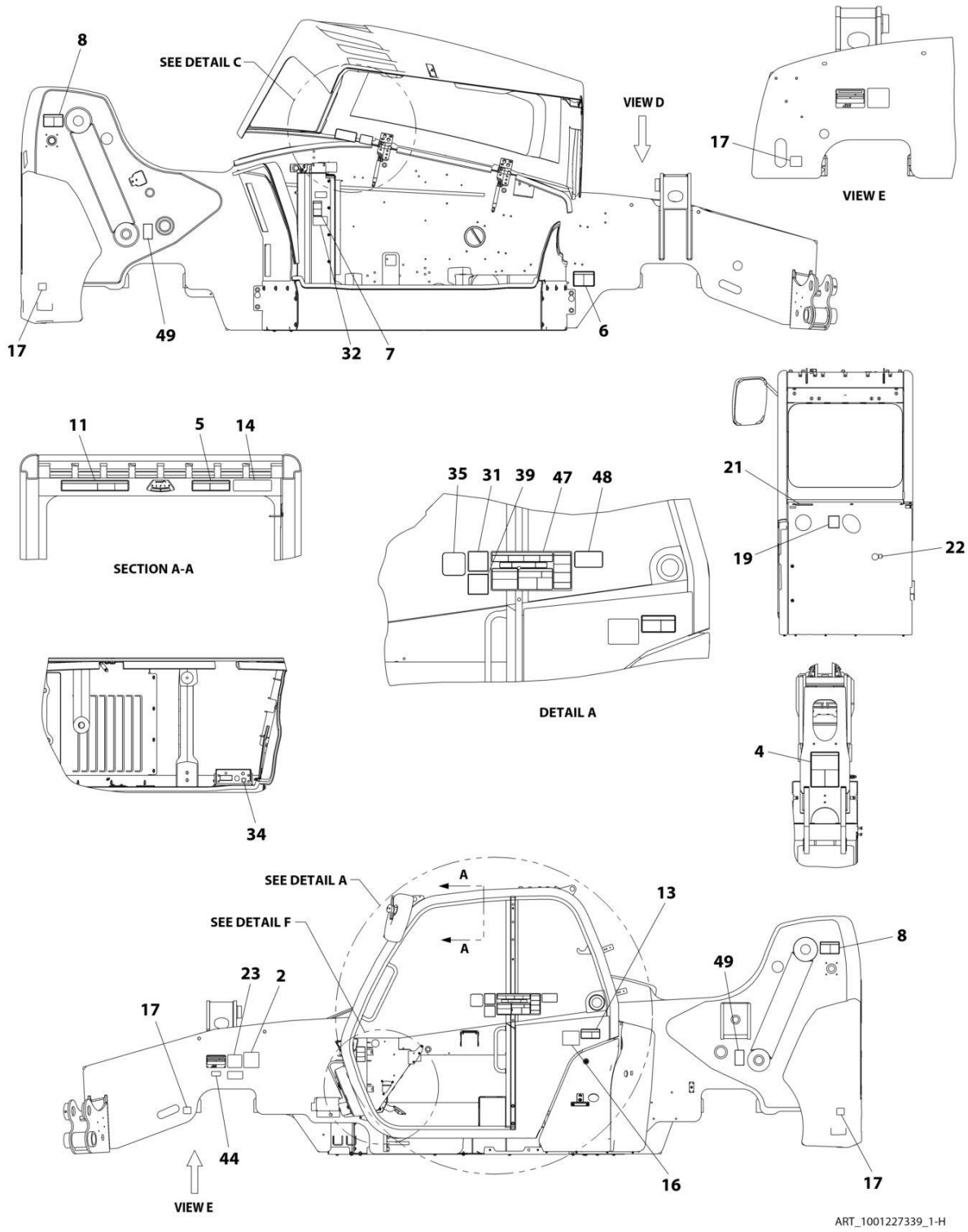
FIGURE 10-95. JUMPER HARNESS

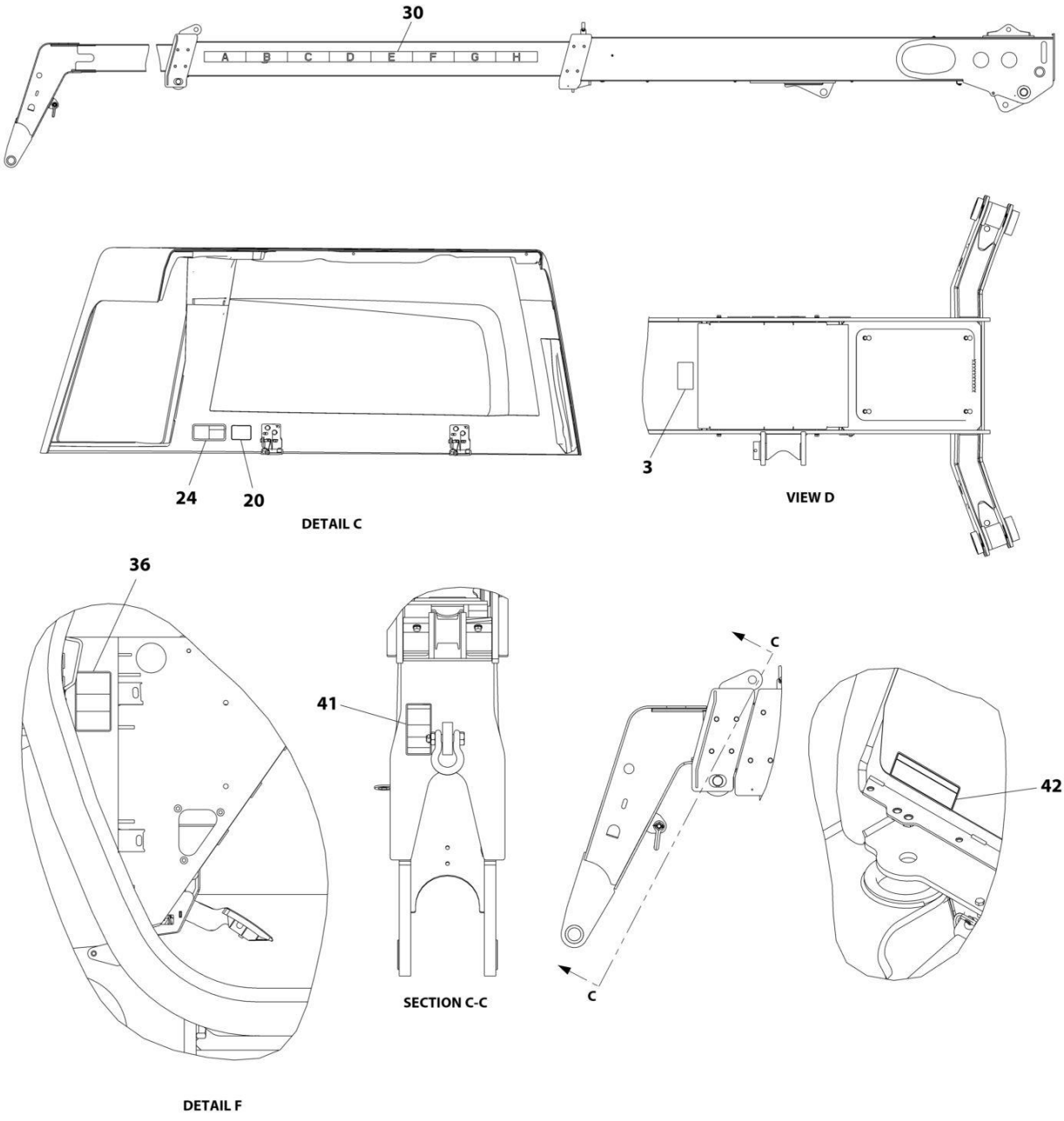
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270032	Ref	JUMPER HARNESS	B
1	4460891	1	Connector	
1	4460465	2	Terminal	
2	4460897	1	Connector	
2	4460464	2	Terminal	

SECTION 11 - DECALS

SECTION 11 - DECALS

FIGURE 11-1. DECAL INSTALLATION (ANSI) (74 HP)




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DETAIL F
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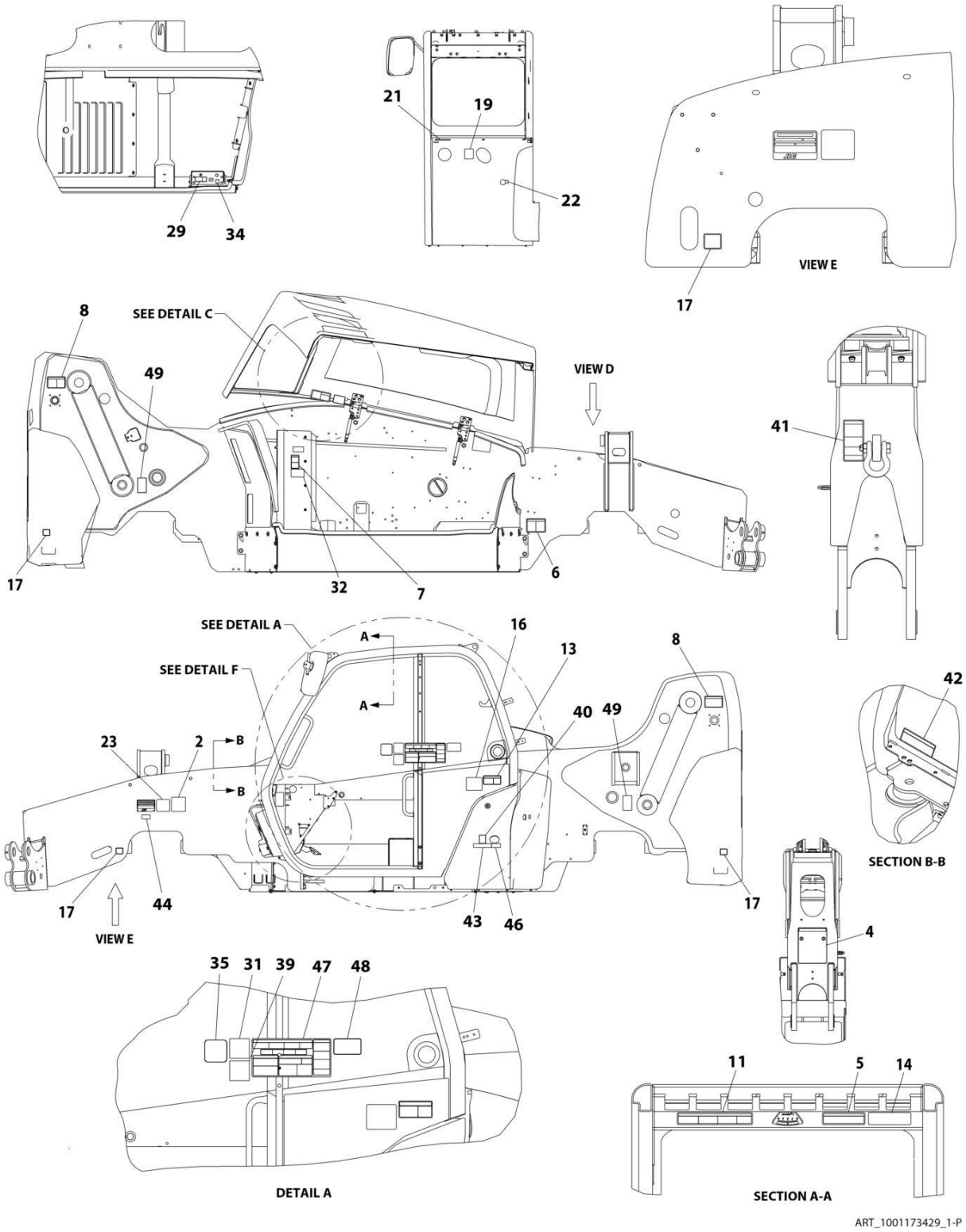
SECTION 11 - DECALS

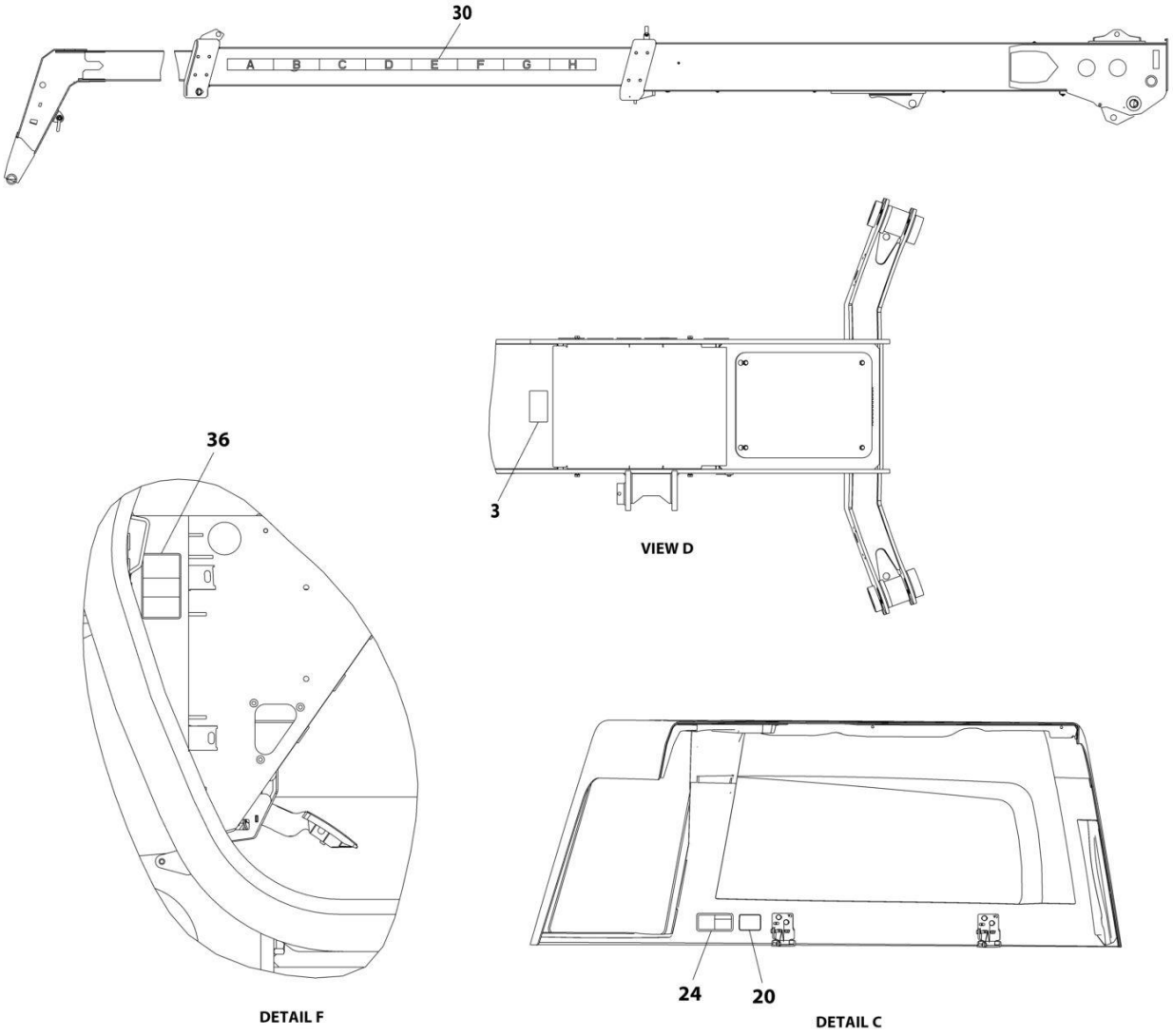
FIGURE 11-1. DECAL INSTALLATION (ANSI) (74 HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227339	Ref	Decal Installation (ANSI)	H
2	1702631	1	Decal, Bar Code	
3	1706296	1	Decal, Battery Warning	
4	1001195849	1	Decal, Carry Personnel	
5	1706299	1	Decal, Contacting Power Lines Warning	
6	1706300	1	Decal, Ether Warning	
7	1706301	1	Decal, Keep Clear Of Rotating Parts Warning	
8	1706302	2	Decal, Pinch Point Boom Holes	
11	1706306	1	Decal, Tip Over Warning	
13	1706768	1	Decal, Vehicle Roll Away	
14	1706850	1	Decal, Crush Hazard Warning	
16	3251813	1	Decal, USA	
17	4109801	4	Decal, Tie Down Point	
19	1001094708	1	Decal, Hydraulic Oil	
20	1001109053	1	Decal, Coolant Fill	
21	1001218704	1	Decal, Ultra Low Sulfur Diesel	
22	1001130323	1	Decal, Oil Level	
23	1001131271	1	Decal, Patent	
24	1001139578	1	Decal, Hot Fluid Warning	
30	1001171277	1	Decal, Boom Extend	
31	1001172035	1	Decal, No Weld or Drill	
32	1001202626	1	Decal, 74HP	
34	1001184632	1	Decal, Battery Positive	
35	1001188372	1	Decal, Sway	
36	1001191229	1	Decal, Fuse Panel	
39	1001200101	1	Decal, Manual	
41	1001207217	1	Decal, Danger Swinging Loads	
42	1001218659	1	Decal, Brake Fluid	
44	1001223453	1	Decal, ICES	
47	1707078	1	Decal, Warning/Danger Cab	
48	1001231801	1	Decal, Warning Prop 65 Diesel	
49	1001222650	2	Decal, Axle Lift	

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FIGURE 11-2. DECAL INSTALLATION (ANSI) (110 HP)



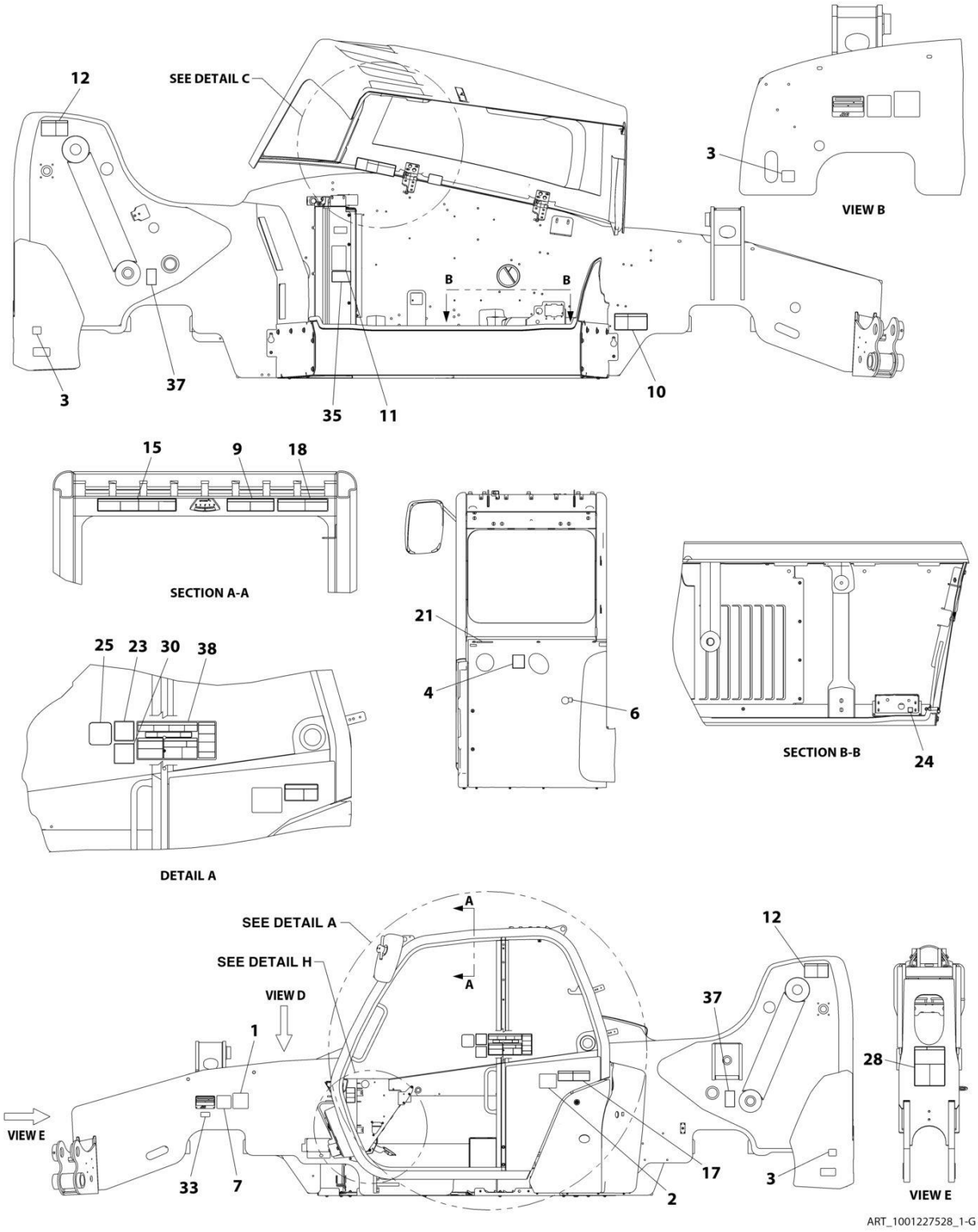

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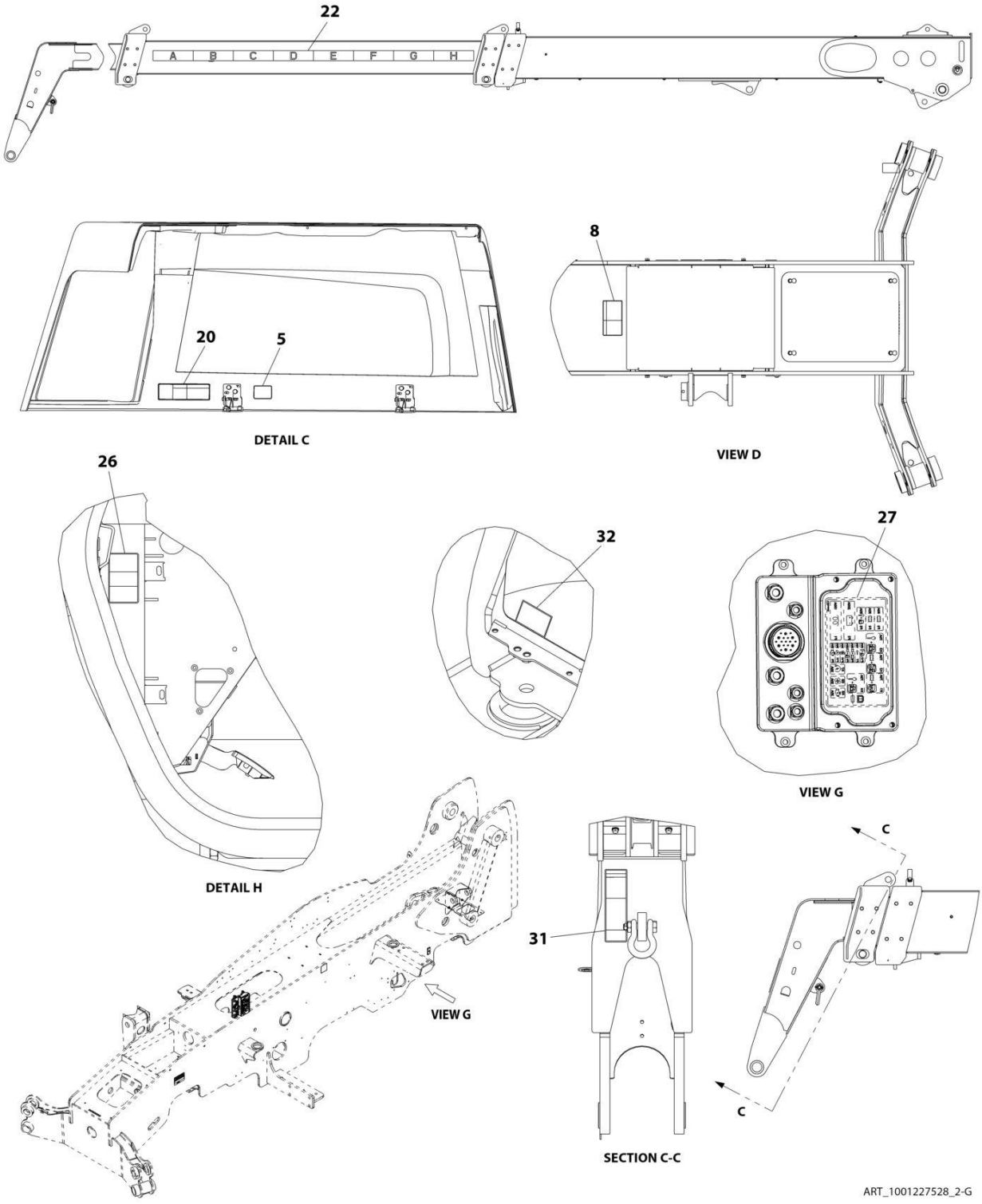
SECTION 11 - DECALS

FIGURE 11-2. DECAL INSTALLATION (ANSI) (110 HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173429	Ref	Decal Installation	P
2	1702631	1	Decal, Bar Code	
3	1706296	1	Decal, Battery Warning	
4	1001195849	1	Decal, Carry Personnel	
5	1706299	1	Decal, Contacting Power Lines Warning	
6	1706300	1	Decal, Ether Warning	
7	1706301	1	Decal, Keep Clear Of Rotating Parts Warning	
8	1706302	2	Decal, Pinch Point Boom Holes	
11	1706306	1	Decal, Tip Over Warning	
13	1706768	1	Decal, Vehicle Roll Away	
14	1706850	1	Decal, Crush Hazard Warning	
16	3251813	1	Decal, USA	
17	4109801	4	Decal, Tie Down Point	
19	1001094708	1	Decal, Hydraulic Oil	
20	1001109053	1	Decal, Coolant Fill	
21	1001218704	1	Decal, Ultra Low Sulfur Diesel	
22	1001130323	1	Decal, Oil Level	
23	1001131271	1	Decal, Patent	
24	1001139578	1	Decal, Hot Fluid Warning	
26	1001229575	1	Decal, Nameplate	
29	1001195855	1	Decal, Battery Disconnect	
30	1001171277	1	Decal, Boom Extend	
31	1001172035	1	Decal, No Weld or Drill	
32	1001173422	1	Decal, MCO 110HP	
34	1001184632	1	Decal, Battery Positive	
35	1001188372	1	Decal, Sway	
36	1001191229	1	Decal, Fuse Panel	
39	1001200101	1	Decal, Manual	
40	1001196806	1	Decal, Diesel Exhaust Fluid	
41	1001207217	1	Decal, Danger Swinging Loads	
42	1001218659	1	Decal, Brake Fluid	
43	1001219212	1	Decal, DEF Fluid	
44	1001223453	1	Decal, ICES	
45	1001009178	4	Decal, Track Metal	
46	1001230310	1	Decal, JLG DEF Tank Service	

FIGURE 11-3. DECAL INSTALLATION (CSA ENGLISH/FRENCH) (74 HP)




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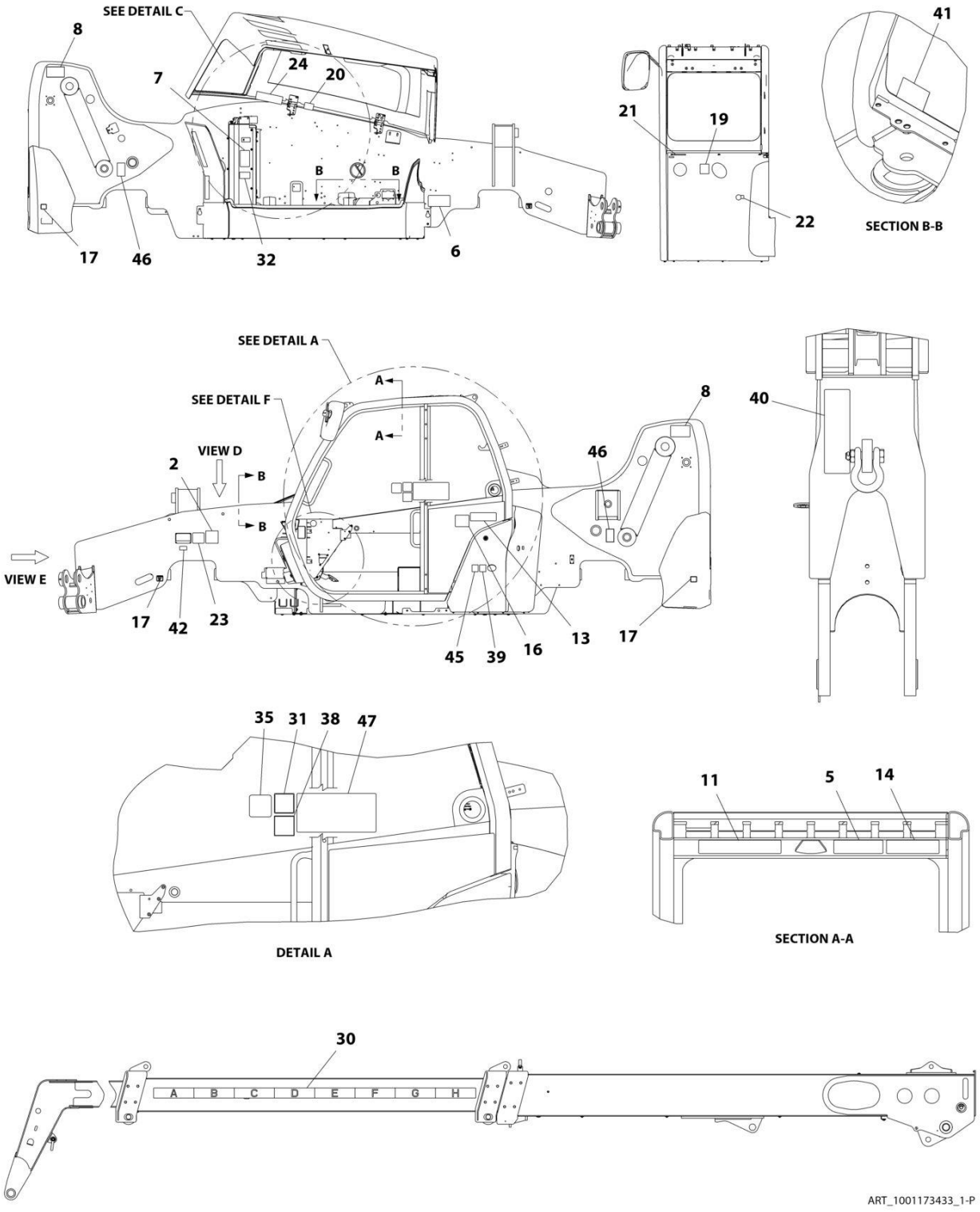
SECTION 11 - DECALS

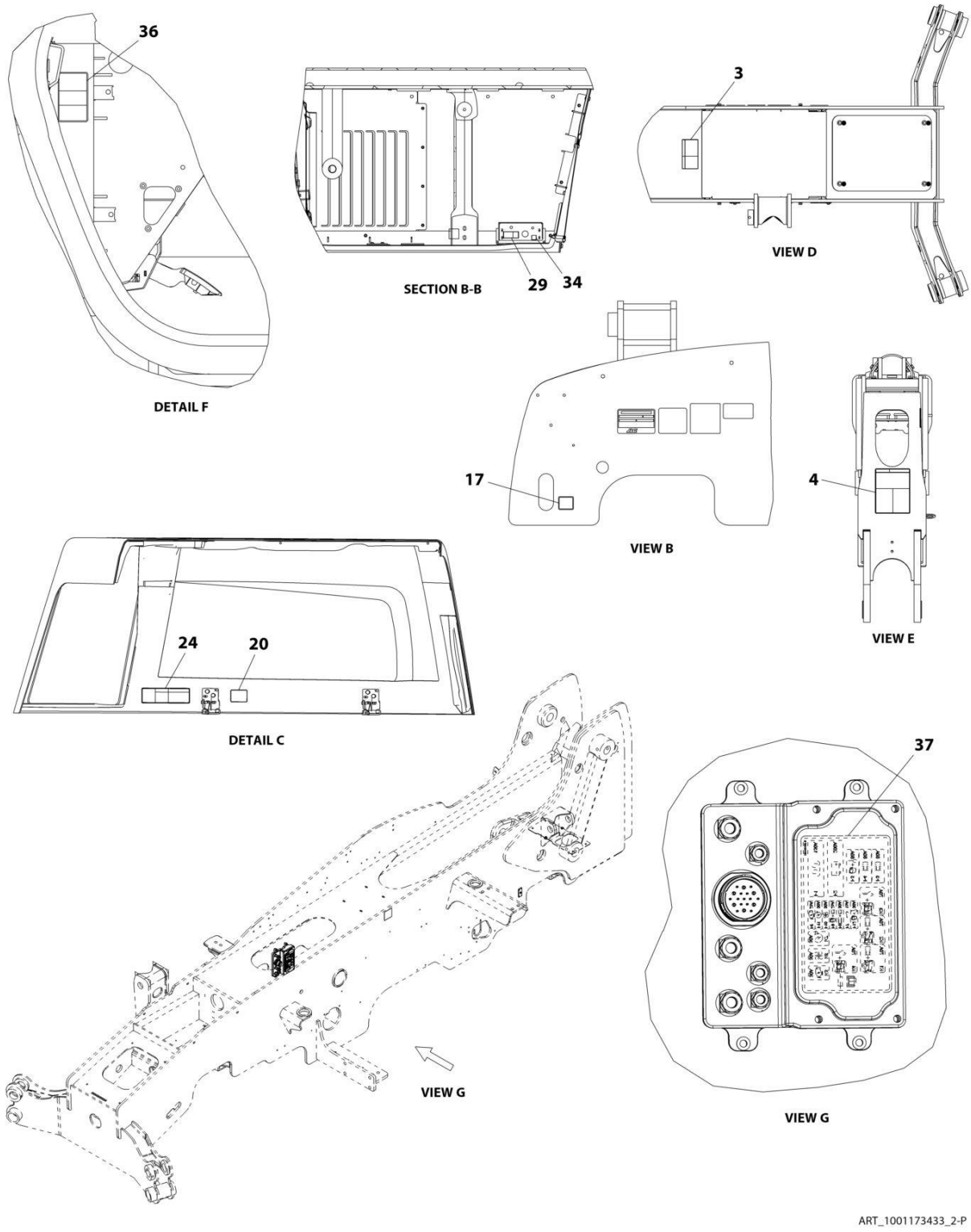
FIGURE 11-3. DECAL INSTALLATION (CSA ENGLISH/FRENCH) (74 HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227528	Ref	Decal Installation (CSA English/French)	G
1	1702631	1	Decal, Bar Code	
2	3251813	1	Decal, USA	
3	4109801	4	Decal, Tie Down Point	
4	1001094708	1	Decal, Hydraulic Oil	
5	1001109053	1	Decal, Coolant Fill	
6	1001130323	1	Decal, Oil Level	
7	1001131271	1	Decal, Patent	
8	1001163174	1	Decal, Battery Warning	
9	1001163210	1	Decal, Electrocution Hazard	
10	1001163212	1	Decal, Warning No Either	
11	1001163222	1	Decal, Moving Parts	
12	1001163223	2	Decal, Pinch Point	
15	1001163285	1	Decal, Warning Tip Over	
17	1001163300	1	Decal, No Riders	
18	1001163304	1	Decal, Warning Crushing Hazard	
20	1001163323	1	Decal, Warning Hot Fluid	
21	1001163355	1	Decal, Ultra Low Sulfur Diesel	
22	1001171277	1	Decal, Boom Extend	
23	1001172035	1	Decal, No Weld or Drill	
24	1001184632	1	Decal, Battery Positive	
25	1001188372	1	Decal, Sway	
26	1001191229	1	Decal, Fuse Panel	
27	1001191487	1	Decal, Fuse Panel (Note: Supply with power distribution box)	
28	1001195851	1	Decal, Carry Personnel	
30	1001200101	1	Decal, Manual	
31	1001209625	1	Decal, Danger Swinging Loads	
32	1001219211	1	Decal, Brake Fluid	
33	1001223453	1	Decal, ICES	
35	1001202626	1	Decal, 74HP	
37	1001222650	2	Decal, Axle Lift	
38	1001233558	1	Decal, Warning/Danger Cab	

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FIGURE 11-4. DECAL INSTALLATION (CSA ENGLISH/FRENCH) (110 HP)



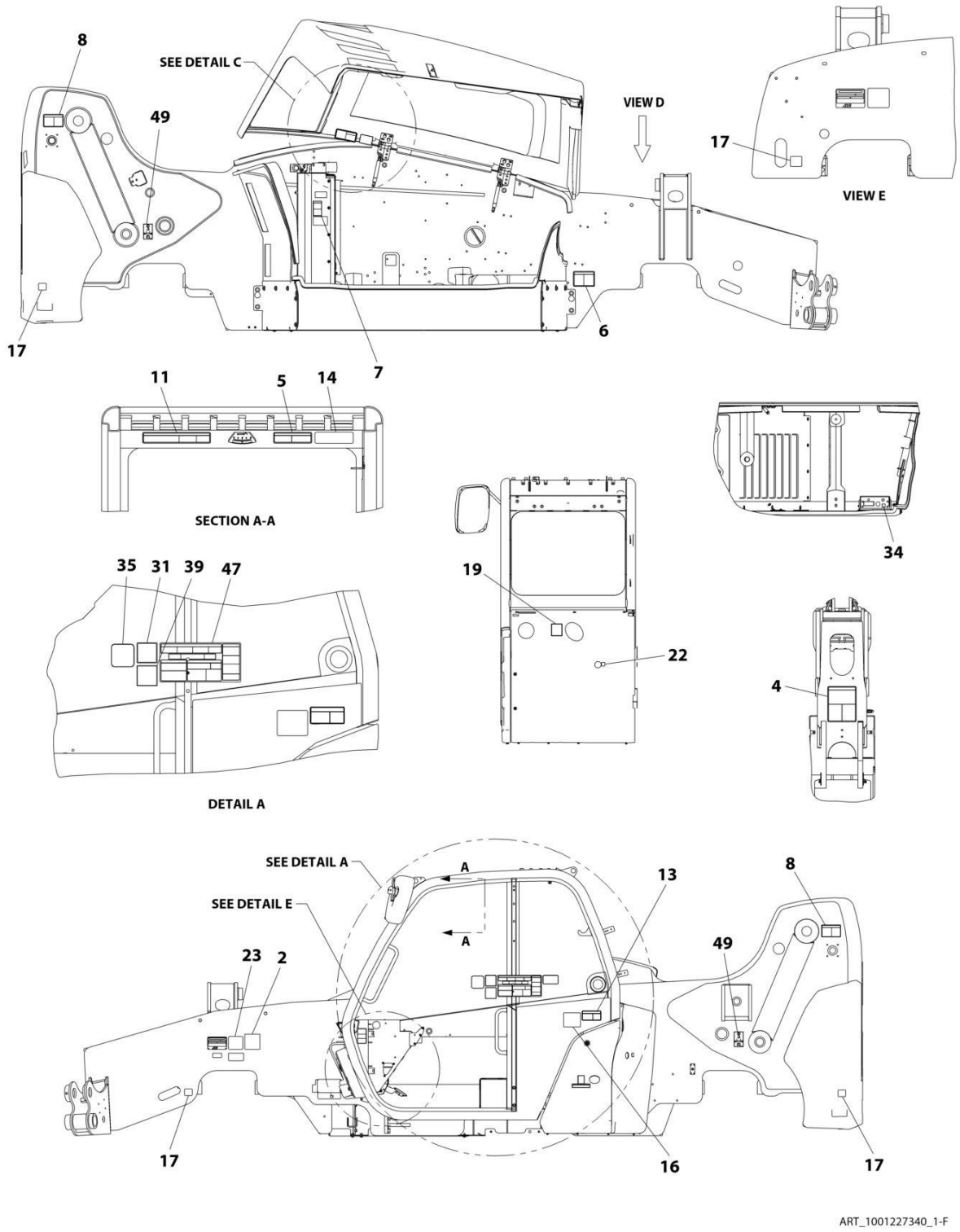

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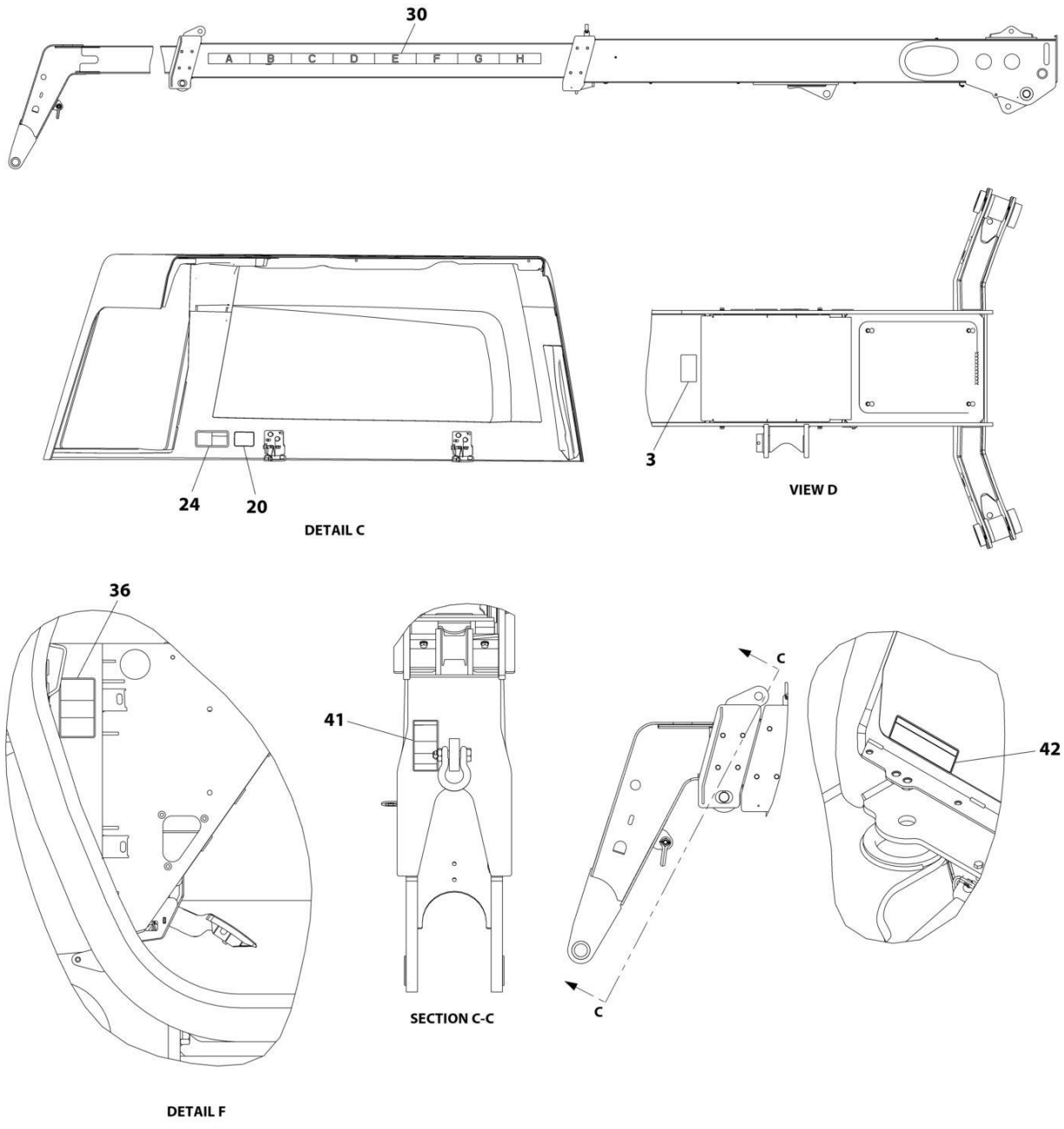
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FIGURE 11-4. DECAL INSTALLATION (CSA ENGLISH/FRENCH) (110 HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173433	Ref	Decal Installation (CSA English/French)	P
2	1702631	1	Decal, Bar Code	
3	1001163174	1	Decal, Battery Warning	
4	1001195851	1	Decal, Carry Personnel	
5	1001163210	1	Decal, Electrocution Hazard	
6	1001163212	1	Decal, Warning No Either	
7	1001163222	1	Decal, Moving Parts	
8	1001163223	2	Decal, Pinch Point	
11	1001163285	1	Decal, Warning Tip Over	
13	1001163300	1	Decal, No Riders	
14	1001163304	1	Decal, Warning Crushing Hazard	
16	3251813	1	Decal, USA	
17	4109801	1	Decal, Tie Down Point	
19	1001094708	1	Decal, Hydraulic Oil	
20	1001109053	1	Decal, Coolant Fill	
21	1001163355	1	Decal, Ultra Low Sulfur Diesel	
22	1001130323	1	Decal, Oil Level	
23	1001131271	1	Decal, Patent	
24	1001163323	1	Decal, Warning Hot Fluid	
26	1001229575	1	Decal, Nameplate	
29	1001195855	1	Decal, Battery Disconnect	
30	1001171277	1	Decal, Boom Extend	
31	1001172035	1	Decal, No Weld Or Drill	
32	1001173422	1	Decal, MCO, 130HP	
34	1001184632	1	Decal, Battery Positive	
35	1001188372	1	Decal, Sway	
36	1001191229	1	Decal, Fuse Panel	
37	1001191487	1	Decal, Fuse Panel (Note: Supply with power distribution box)	
38	1001200101	1	Decal, Manual	
39	1001196806	1	Decal, Diesel Exhaust Fluid	
40	1001209625	1	Decal, Danger Swinging Loads	
41	1001219211	1	Decal, Brake Fluid	
42	1001223453	1	Decal, ICES	
44	1001009178	4	Decal, Track Metal	
45	1001230311	1	Decal DEF Tank	

FIGURE 11-5. DECAL INSTALLATION (ISO) (74 HP)



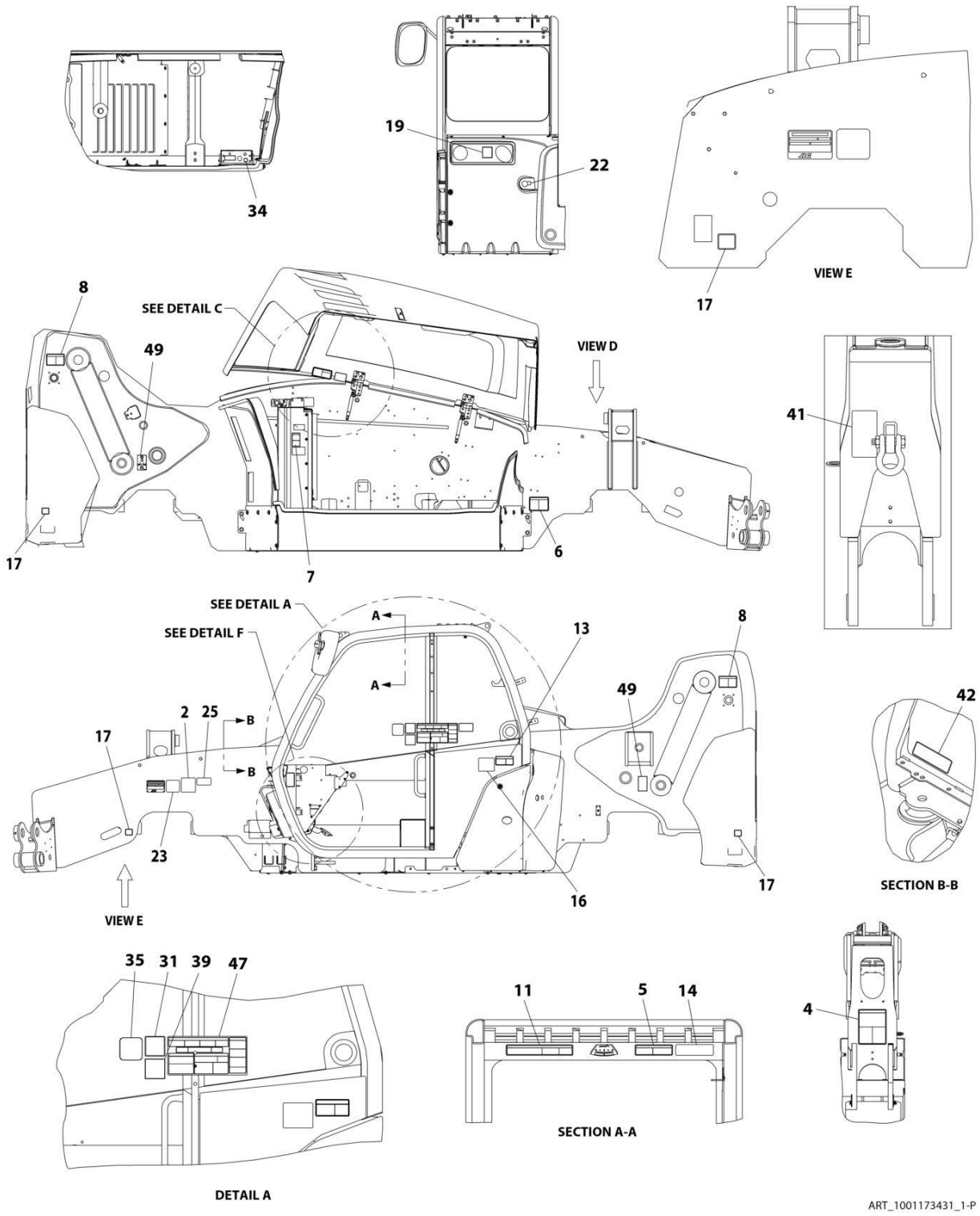

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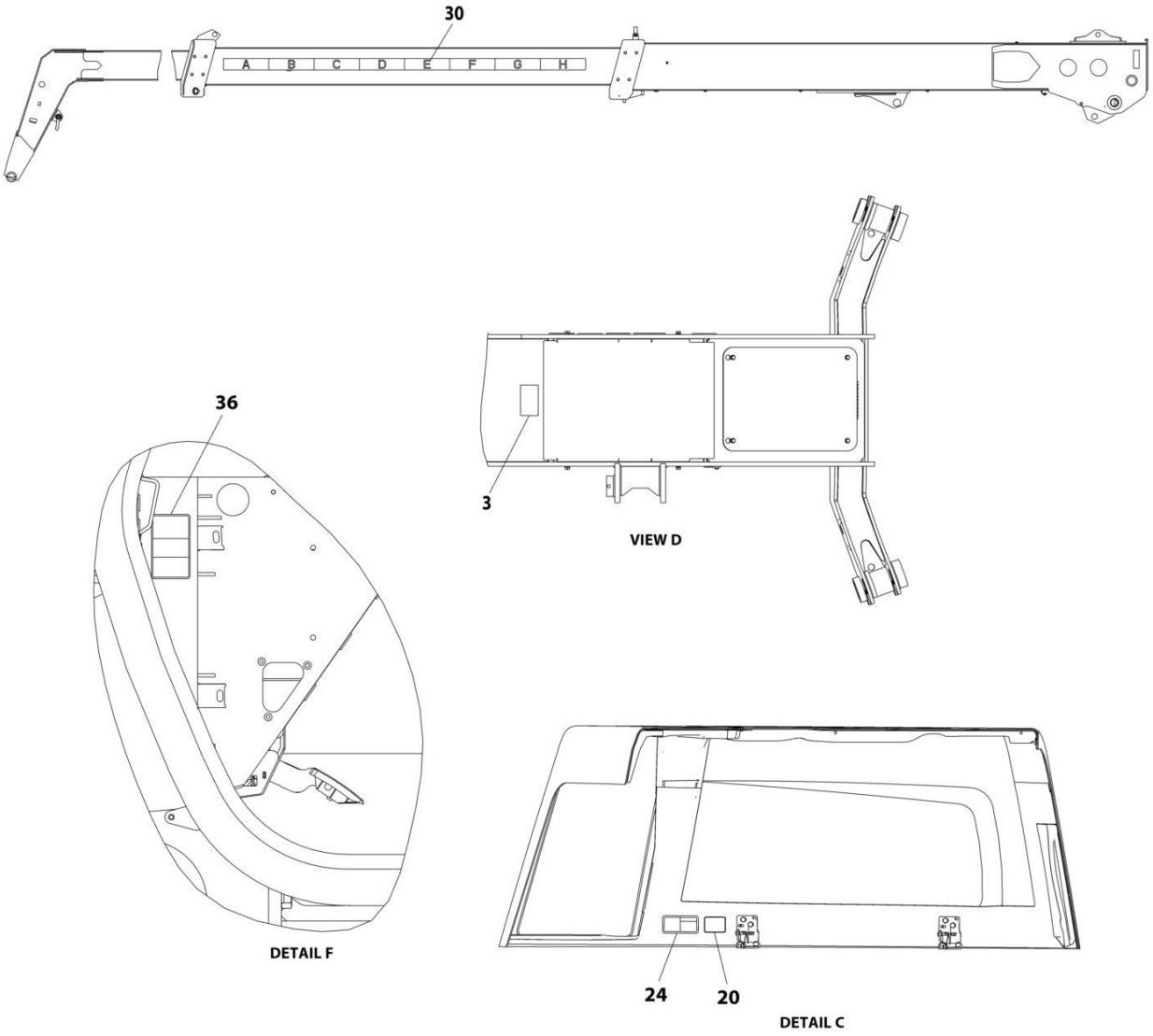
SECTION 11 - DECALS

FIGURE 11-5. DECAL INSTALLATION (ISO) (74 HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227340	Ref	Decal Installation (ISO)	F
2	1702631	1	Decal, Bar Code	
3	1706281	1	Decal, Battery Warning	
4	1706282	1	Decal, Carry Personnel	
5	1706284	1	Decal, Electrocution Hazard	
6	1706098	1	Decal, Ether Warning	
7	1706285	1	Decal, Keep Clear of Rotating Parts Warning	
8	1706292	2	Decal, Pinch Point Boom Holes	
11	1706288	1	Decal, Tip Over Warning	
13	1001092878	1	Decal, No Riders	
14	1001092877	1	Decal, Crush Hazard Warning	
16	3251813	1	Decal, USA	
17	4109801	4	Decal, Tie Down Point	
19	1001094708	1	Decal, Hydraulic Oil	
20	1001109053	1	Decal, Coolant Fill	
22	1001130323	1	Decal, Oil Level	
23	1001131271	1	Decal, Patent	
24	1001139942	1	Decal, Hot Fluid Warning	
30	1001171277	1	Decal, Boom Extend	
31	1001172035	1	Decal, No Weld or Drill	
34	1001184632	1	Decal, Battery Positive	
35	1001188372	1	Decal, Sway	
36	1001191229	1	Decal, Fuse Panel	
39	1001200101	1	Decal, Manual	
41	1001207218	1	Decal, Danger Swinging Loads	
42	1001219211	1	Decal, Brake Fluid	
47	1001101895	1	Decal, Warning	

FIGURE 11-6. DECAL INSTALLATION (ISO) (110 HP)





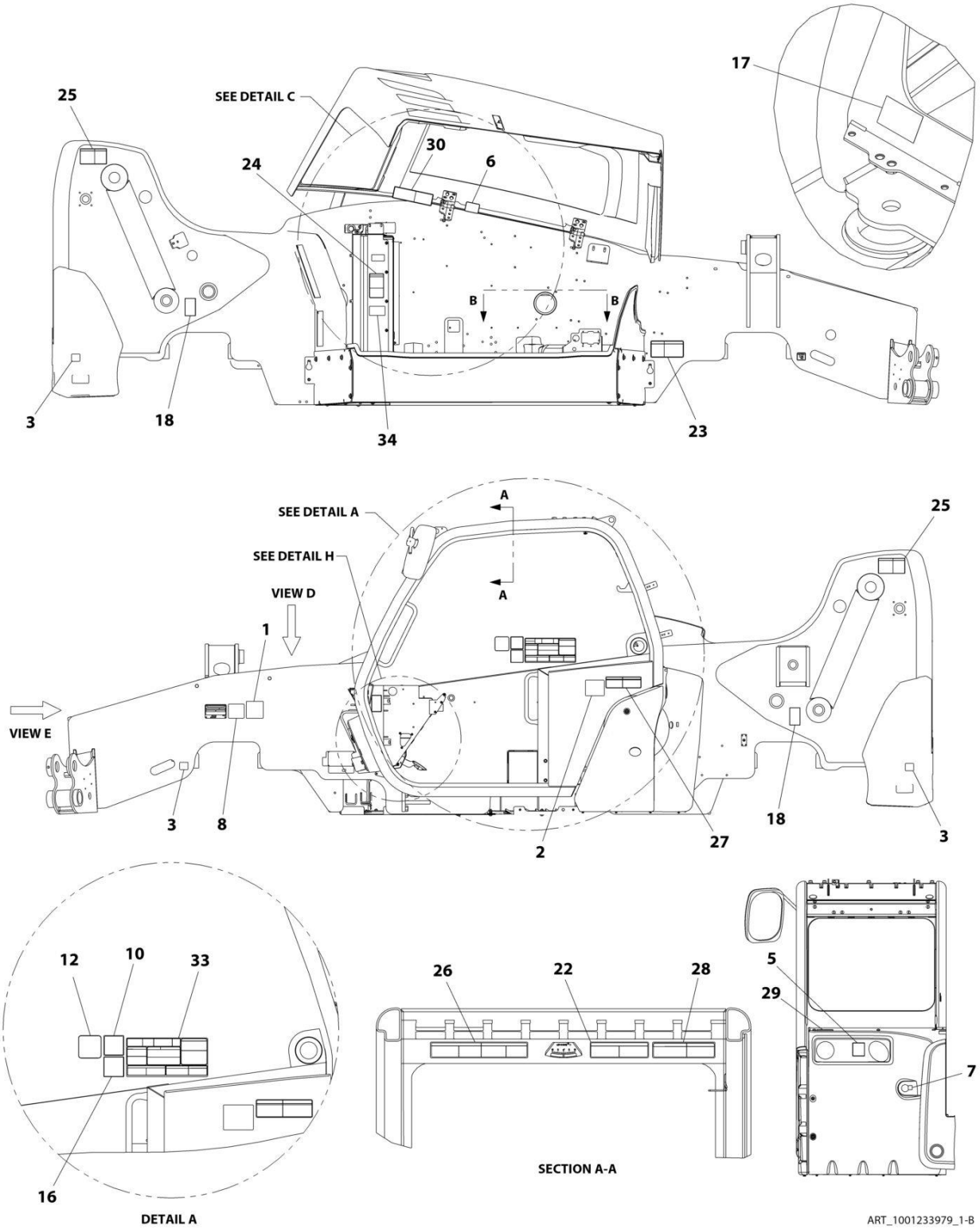
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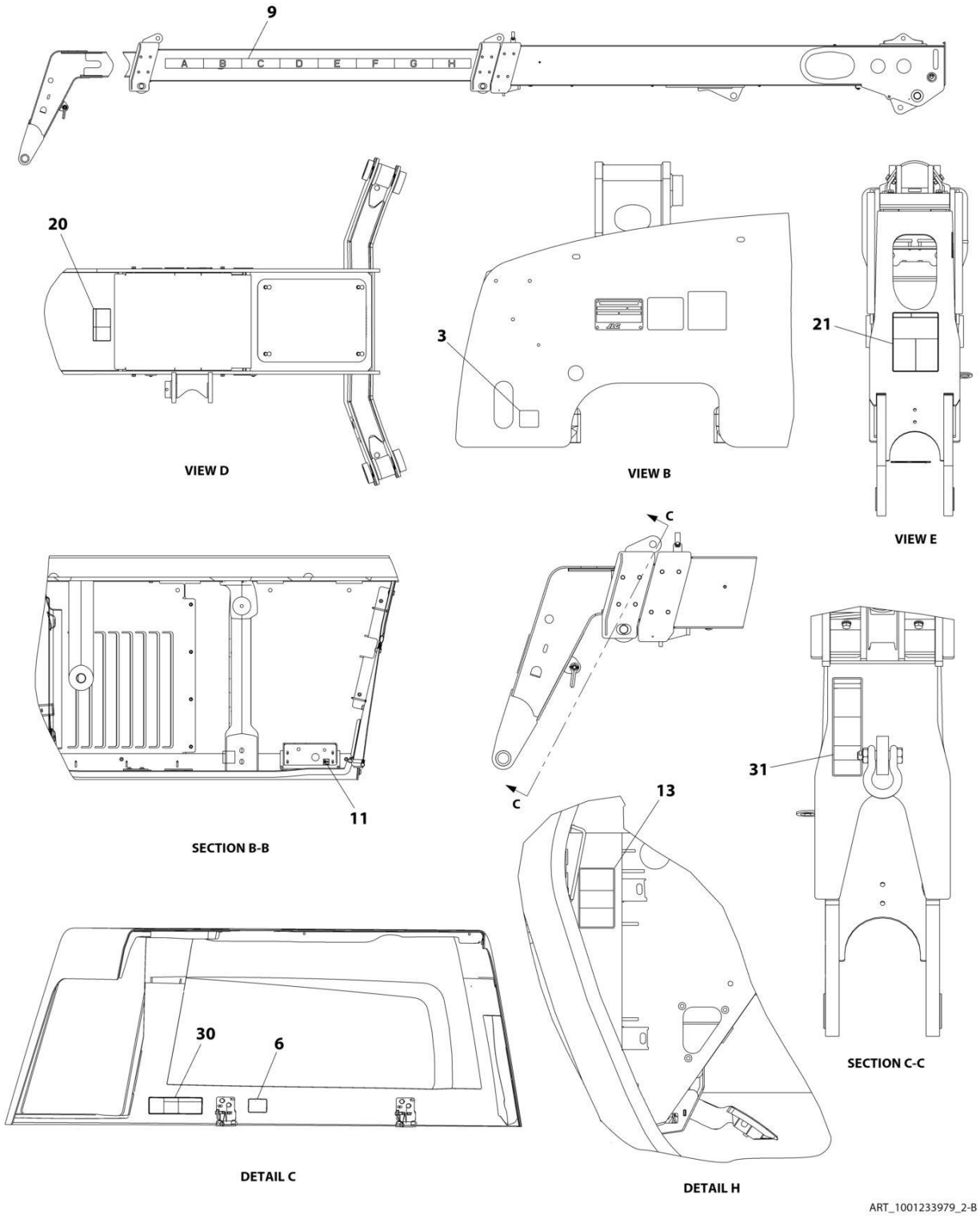
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FIGURE 11-6. DECAL INSTALLATION (ISO) (110 HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173431	1	Decal Installation (ISO)	P
2	1702631	1	Decal, Bar Code	
3	1706281	1	Decal, Battery Warning	
4	1706282	1	Decal, Carry Personnel	
5	1706284	1	Decal, Electrocution Hazard	
6	1706098	1	Decal, Ether Warning	
7	1706285	1	Decal, Keep Clear of Rotating Parts Warning	
8	1706292	2	Decal, Pinch Point Boom Holes	
11	1706288	1	Decal, Tip Over Warning	
13	1001092878	1	Decal, No Riders	
14	1001092877	1	Decal, Crush Hazard Warning	
16	3251813	1	Decal, USA	
17	4109801	4	Decal, Tie Down Point	
19	1001094708	1	Decal, Hydraulic Oil	
20	1001109053	1	Decal, Coolant Fill	
22	1001130323	1	Decal, Oil Level	
23	1001131271	1	Decal, Patent	
24	1001139942	1	Decal, Hot Fluid Warning	
25	1001143852	1	Decal, EPA (LS)	
26	1001229575	1	Decal, Nameplate	
30	1001171277	1	Decal, Boom Extend	
31	1001172035	1	Decal, No Weld or Drill	
32	1001173422	1	Decal, MCO 110HP	
34	1001184632	1	Decal, Battery Positive	
35	1001188372	1	Decal, Sway	
36	1001191229	1	Decal, Fuse Panel	
39	1001200101	1	Decal, Manual	
41	1001207218	1	Decal, Danger Swinging Loads	
42	1001219211	1	Decal, Brake Fluid	
45	1001009178	4	Decal, Track Metal	

FIGURE 11-7. DECAL INSTALLATION (LATIN AMERICAN ENGLISH/SPANISH) (74HP)




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VIEW E
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DETAIL C
DETAIL H
ART_1001233979_2-B

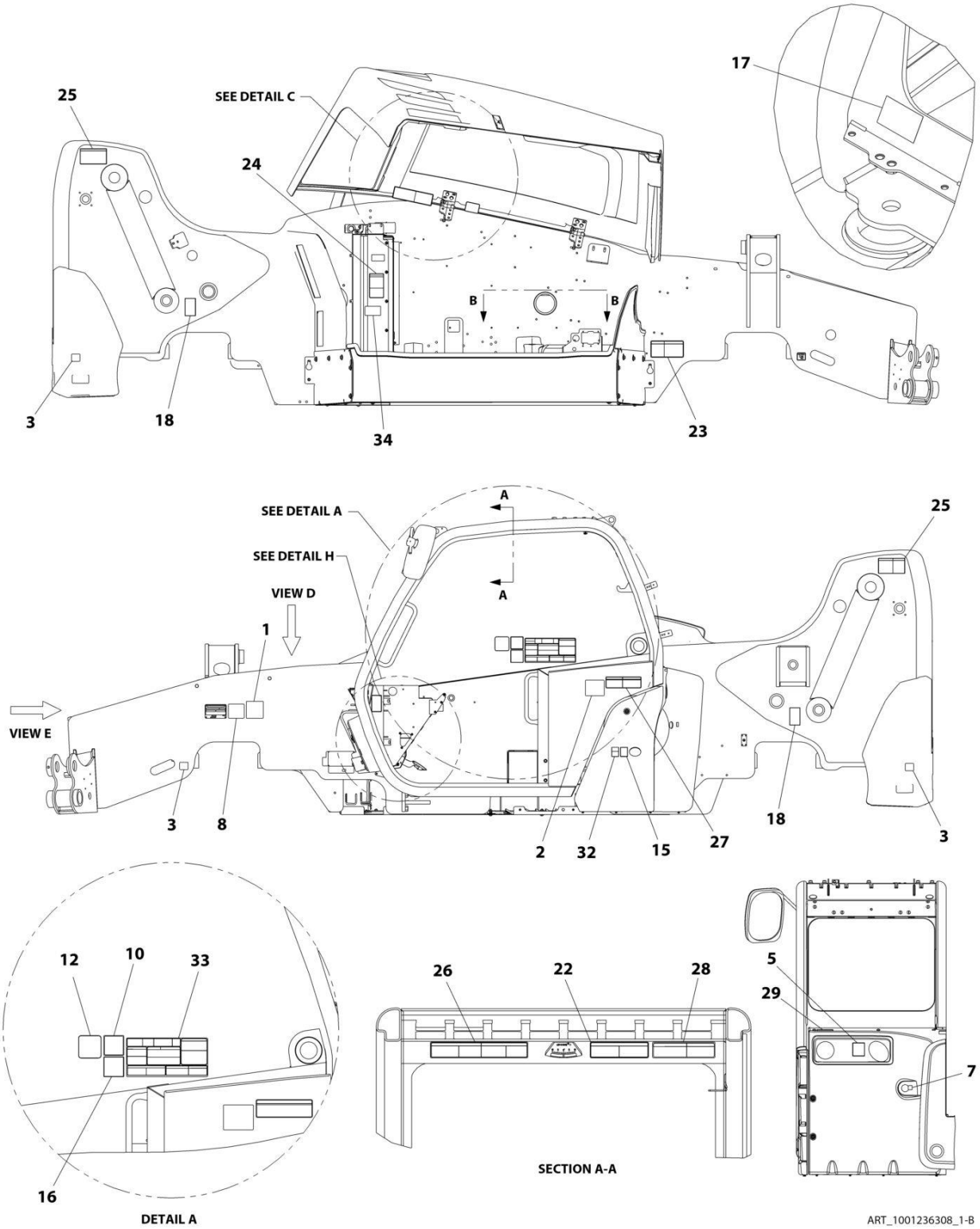
SECTION 11 - DECALS

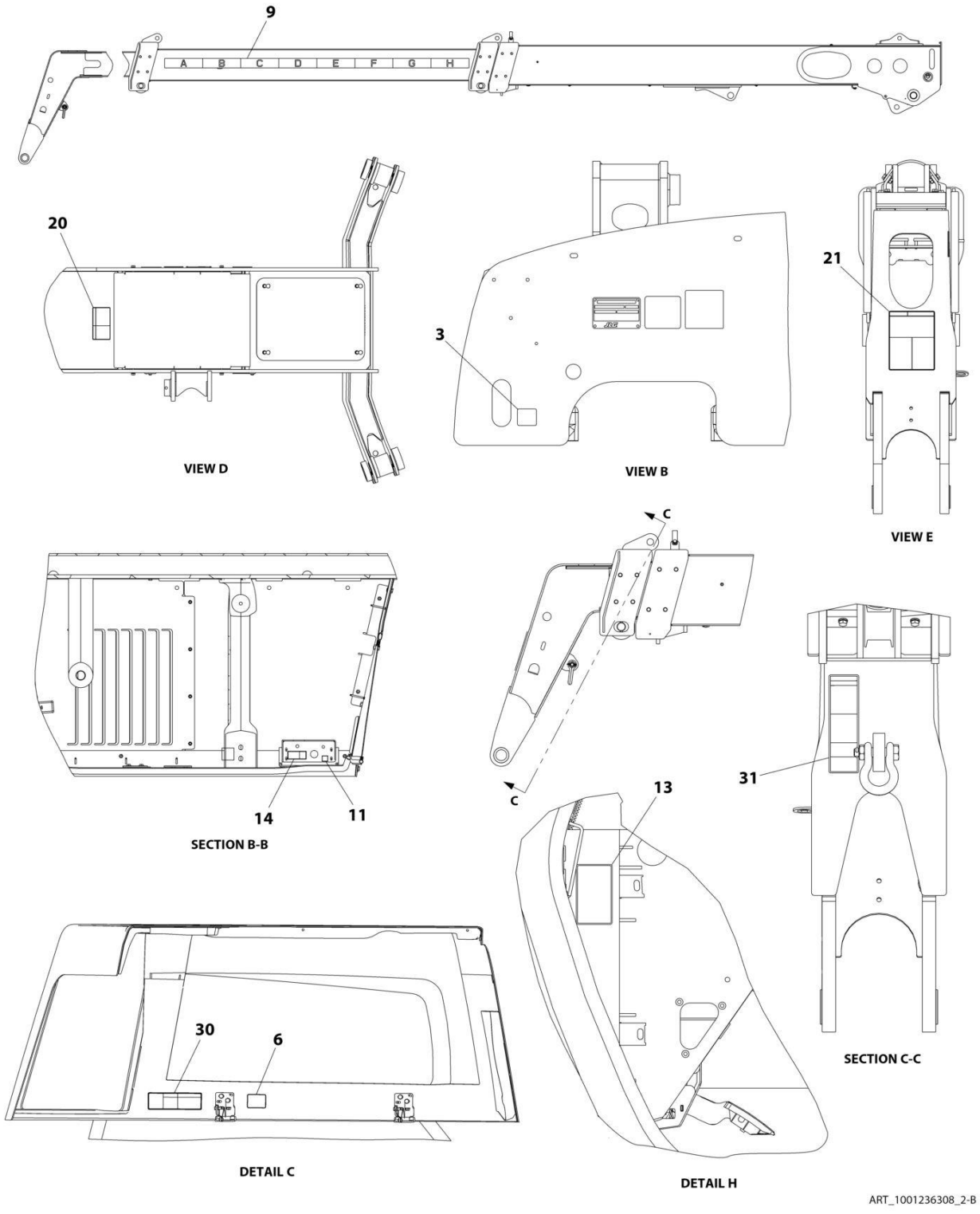
FIGURE 11-7. DECAL INSTALLATION (LATIN AMERICAN ENGLISH/SPANISH) (74HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233979	Ref	Decal Installation	B
1	1702631	1	Decal, Bar Code	
2	3251813	1	Decal, USA	
3	4109801	4	Decal, Tie Down Point	
5	1001094708	1	Decal, Hydraulic Oil	
6	1001109053	1	Decal, Coolant Fill	
7	1001130323	1	Decal, Oil Level	
8	1001131271	1	Decal, Patent	
9	1001171277	1	Decal, Boom Extend	
10	1001172035	1	Decal, No Weld or Drill	
11	1001184632	1	Decal, Battery Positive	
12	1001188372	1	Decal, Sway	
13	1001191229	1	Decal, Fuse Panel	
16	1001200101	1	Decal, Manual	
17	1001219211	1	Decal, Brake Fluid	
18	1001222650	2	Decal, Axle Lift	
20	1001235794	1	Decal, Battery Warning	
21	1001235796	1	Decal, Carry Personnel	
22	1001235797	1	Decal, Electrocution Hazard	
23	1001235798	1	Decal, Warning No Either	
24	1001235799	1	Decal, Moving Parts	
25	1001235800	2	Decal, Pinch Point	
26	1001235801	1	Decal, Warning Tip Over	
27	1001235802	1	Decal, No Riders	
28	1001235803	1	Decal, Warning Crushing Hazard	
29	1001235804	1	Decal, Ultra Low Sulfur Diesel	
30	1001235805	1	Decal, Warning Hot Fluid	
31	1001235807	1	Decal, Danger Swinging Loads	
33	1001235809	1	Decal, Warning/Danger Cab	
34	1001236313	1	Decal, MCO 74HP	

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FIGURE 11-8. DECAL INSTALLATION (LATIN AMERICAN ENGLISH/SPANISH) (110HP)




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VIEW B
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VIEW E
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ART_1001236308_2-B

SECTION 11 - DECALS

FIGURE 11-8. DECAL INSTALLATION (LATIN AMERICAN ENGLISH/SPANISH) (110HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236308	Ref	Decal Installation	B
1	1702631	1	Decal, Bar Code	
2	3251813	1	Decal, USA	
3	4109801	4	Decal, Tie Down Point	
5	1001094708	1	Decal, Hydraulic Oil	
6	1001109053	1	Decal, Coolant Fill	
7	1001130323	1	Decal, Oil Level	
8	1001131271	1	Decal, Patent	
9	1001171277	1	Decal, Boom Extend	
10	1001172035	1	Decal, No Weld or Drill	
11	1001184632	1	Decal, Battery Positive	
12	1001188372	1	Decal, Sway	
13	1001191229	1	Decal, Fuse Panel	
14	1001195855	1	Decal, Battery Disconnect	
15	1001196806	1	Decal, Diesel Exhaust Fluid	
16	1001200101	1	Decal, Manual	
17	1001219211	1	Decal, Brake Fluid	
18	1001222650	2	Decal, Axle Lift	
20	1001235794	1	Decal, Battery Warning	
21	1001235796	1	Decal, Carry Personnel	
22	1001235797	1	Decal, Electrocution Hazard	
23	1001235798	1	Decal, Warning No Either	
24	1001235799	1	Decal, Moving Parts	
25	1001235800	2	Decal, Pinch Point	
26	1001235801	1	Decal, Warning Tip Over	
27	1001235802	1	Decal, No Riders	
28	1001235803	1	Decal, Warning Crushing Hazard	
29	1001235804	1	Decal, Ultra Low Sulfur Diesel	
30	1001235805	1	Decal, Warning Hot Fluid	
31	1001235807	1	Decal, Danger Swinging Loads	
32	1001235808	1	Decal, JLG DEF Tank Service	
33	1001235809	1	Decal, Warning/Danger Cab	
34	1001236312	1	Decal, MCO 130HP	

FIGURE 11-9. BRAND AND MODEL DECAL INSTALLATION

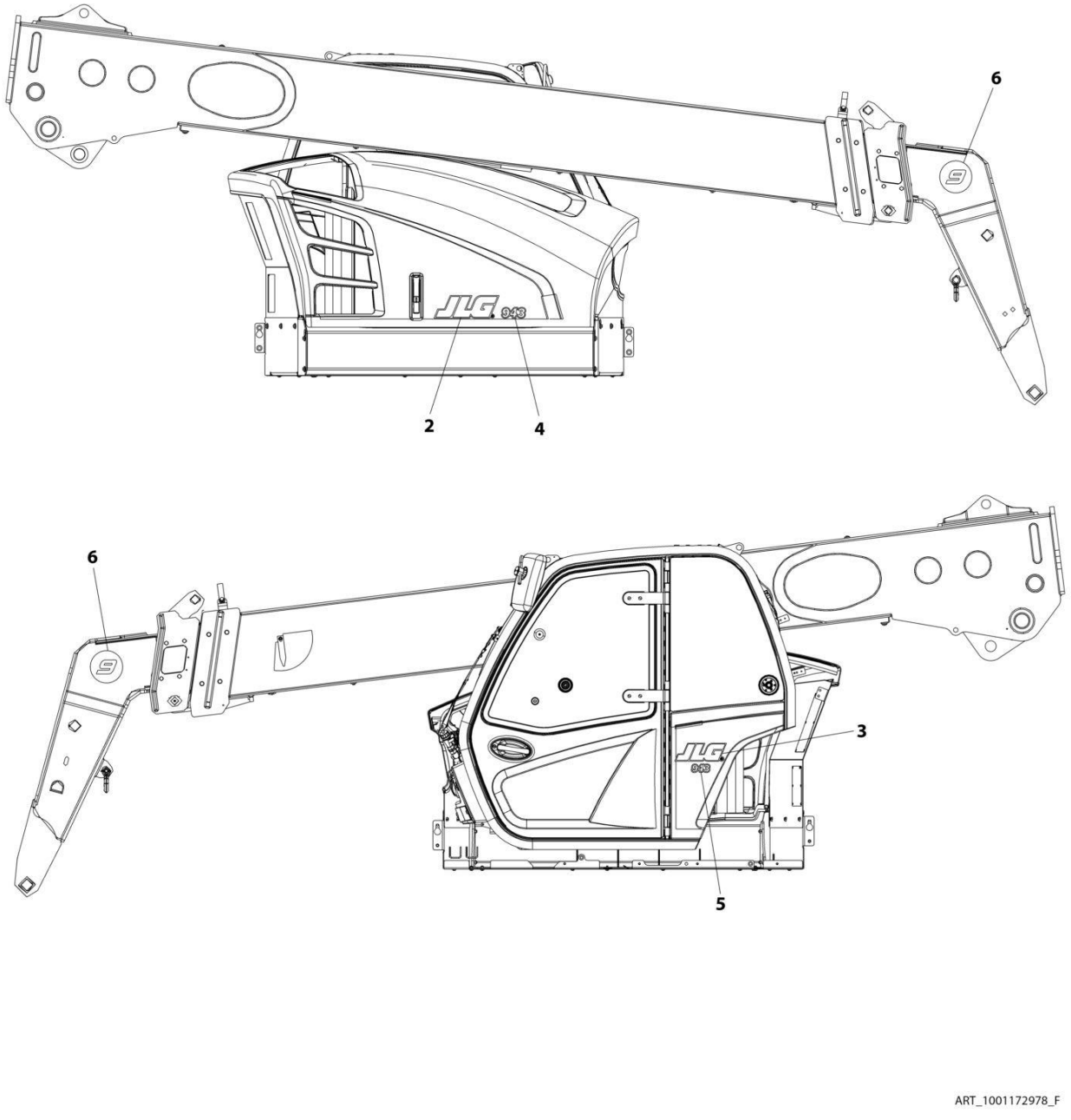
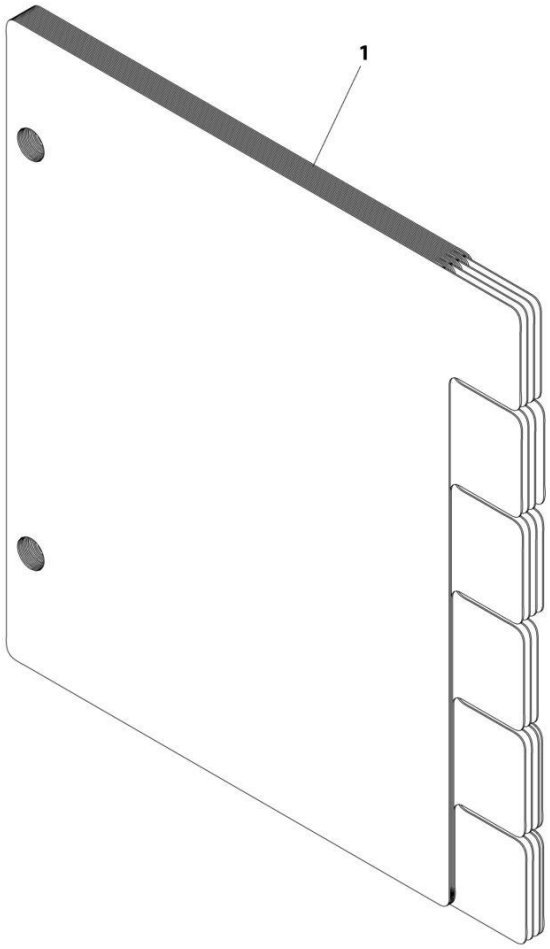


FIGURE 11-9. BRAND AND MODEL DECAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172978	Ref	BRAND AND MODEL DECAL INSTALLATION	F
2	1001160775	1	Decal, JLG 5 Black	
3	1001169674	1	Decal, JLG M100 x 285	
4	1001276757	1	Decal, JLG 943	
5	1001276758	1	Decal, JLG 943 Cab	
6	1001279166	2	Decal, Boom Head 9K	

FIGURE 11-10. CAPACITY CHART BOOKLET (ANSI)

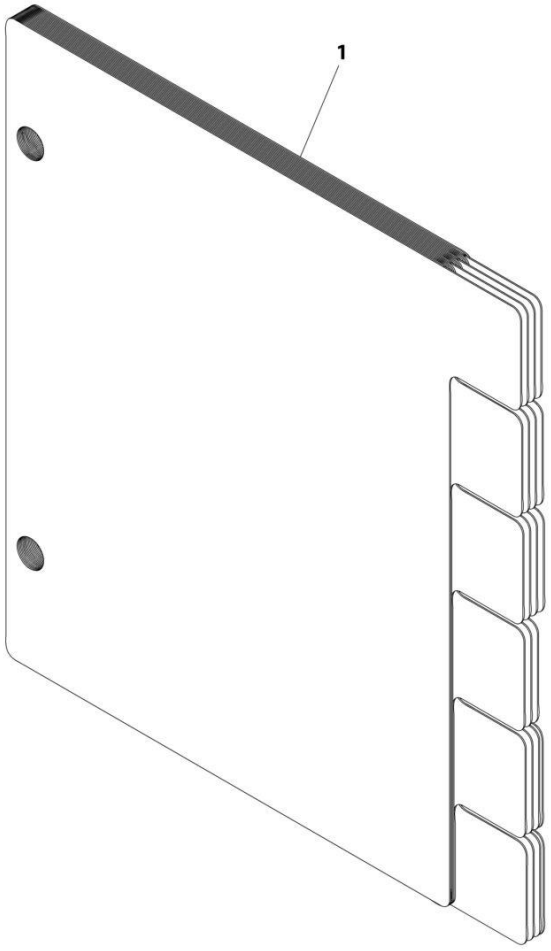


ART_1001212420_J

FIGURE 11-10. CAPACITY CHART BOOKLET (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001212420	1	Capacity Chart Booklet (ANSI) - 943	J

FIGURE 11-11. CAPACITY CHART BOOKLET (ISO)



ART_1001206370_J

FIGURE 11-11. CAPACITY CHART BOOKLET (ISO)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001206370	1	Capacity Chart Booklet (ISO) - 943	J

FIGURE 11-12. CAPACITY CHART HOLDER INSTALLATION

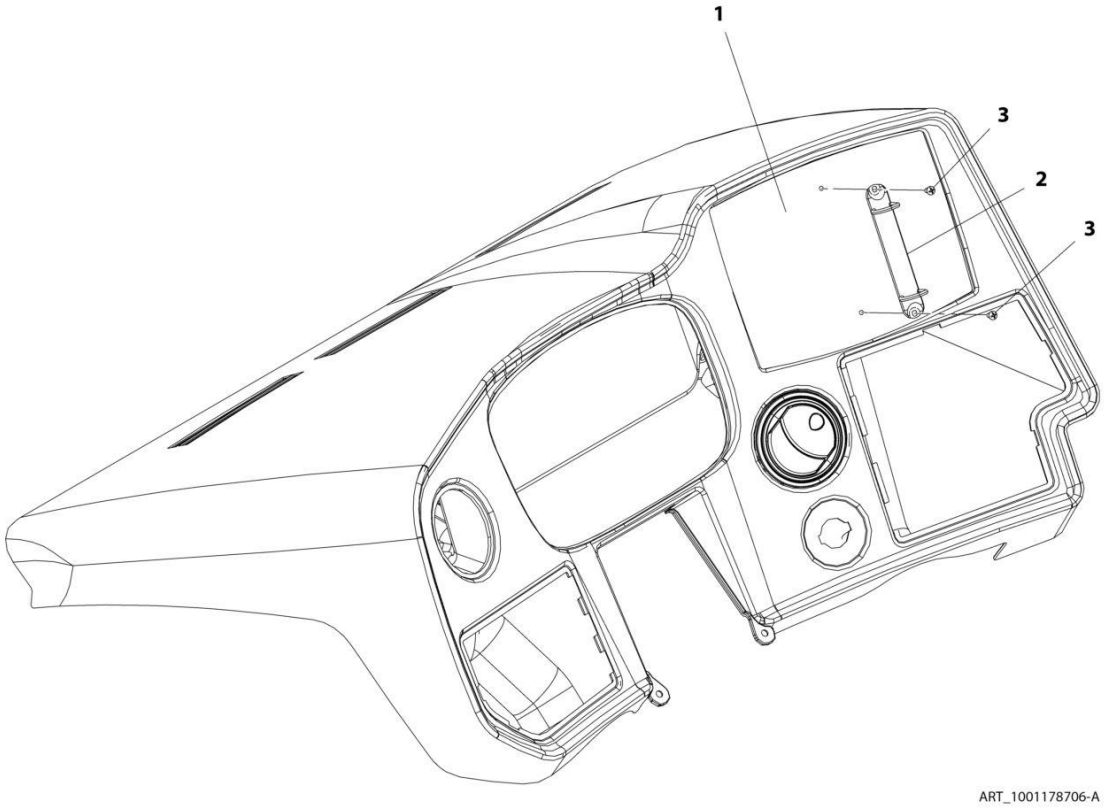


FIGURE 11-12. CAPACITY CHART HOLDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178706	Ref	Capacity Chart Holder Installation	A
1	1001179297	1	Load Chart, Bezel	
2	1001005960	1	Holder	
3	7029486	2	Screw	

FIGURE 11-13. CLEARSKY DECAL INSTALLATION

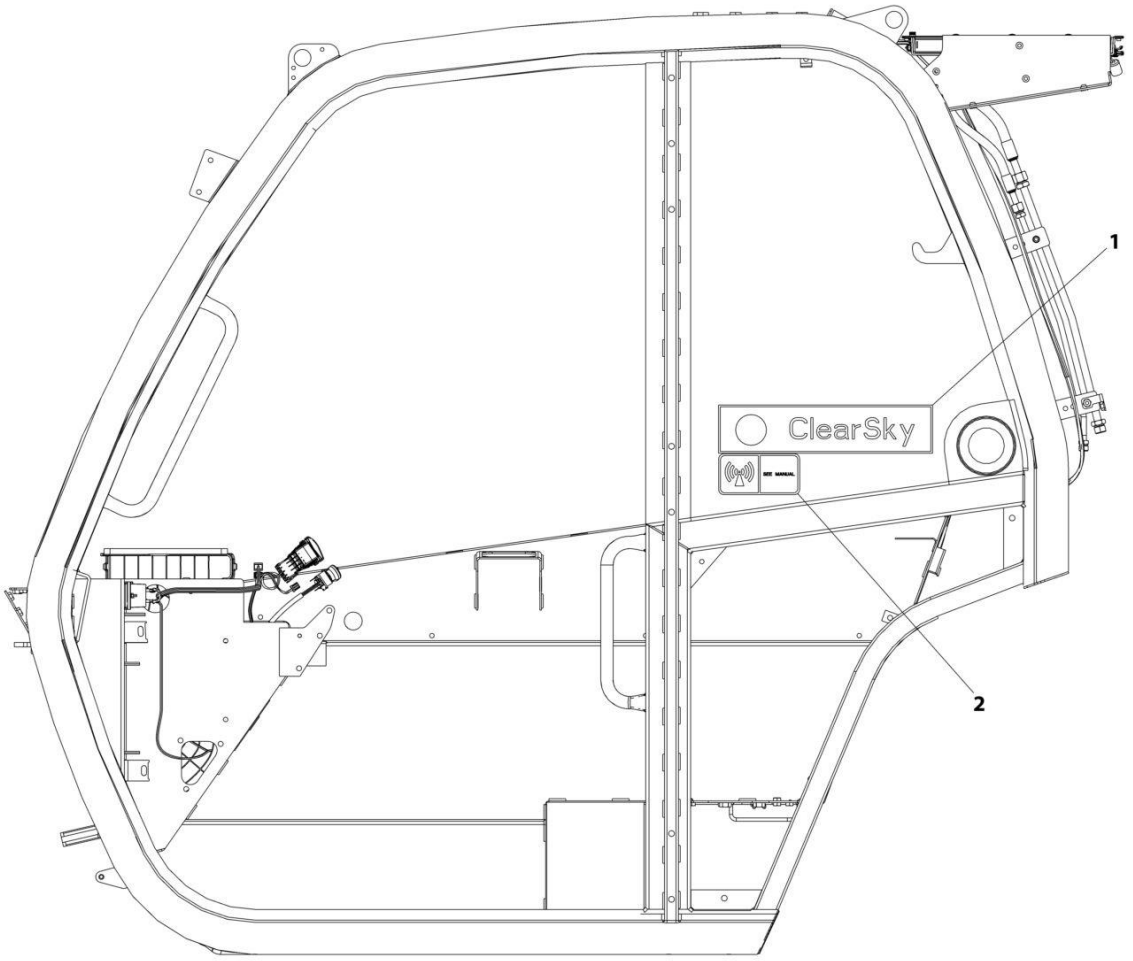


FIGURE 11-13. CLEARSKY DECAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229707	Ref	Clearsky Decal Installation	C
1	1001294815	1	Decal - ClearSky	
2	1001120989	1	Radio Frequency Decal	

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

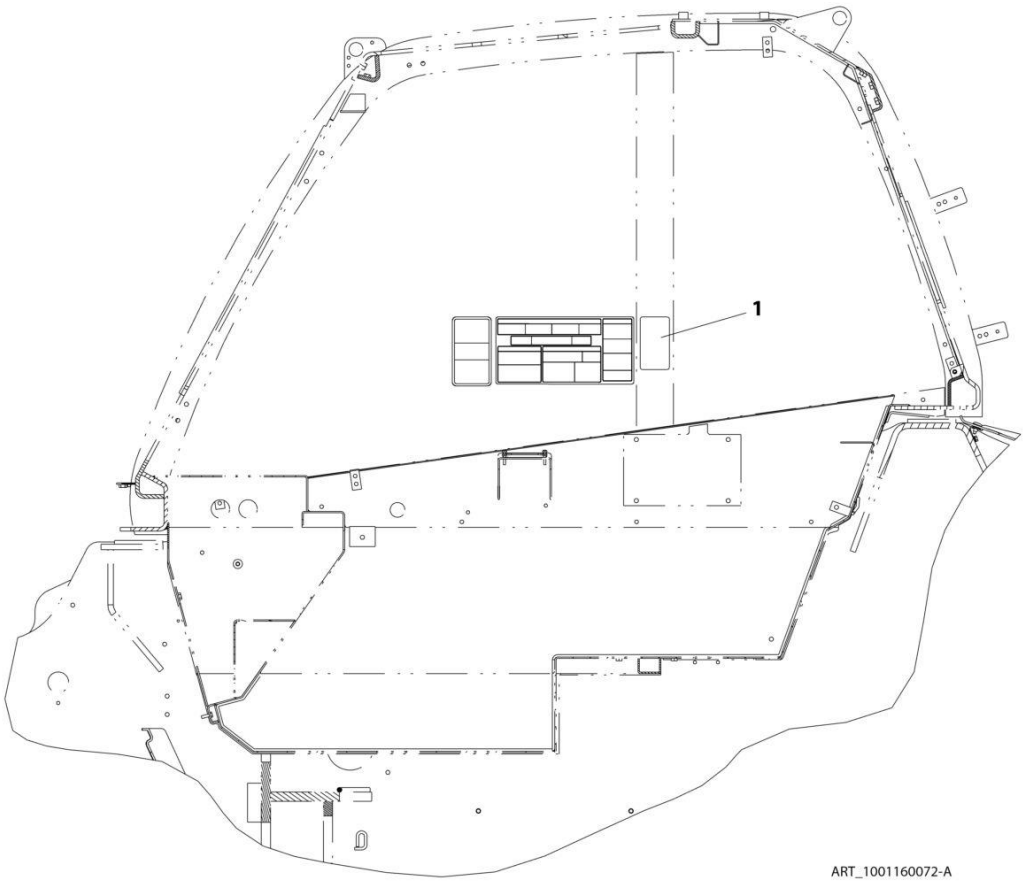


FIGURE 11-14. REVERSE SENSOR SYSTEM DECAL (ENGLISH)

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

FIGURE 11-15. REVERSE SENSOR SYSTEM DECAL (ENGLISH/SPANISH)

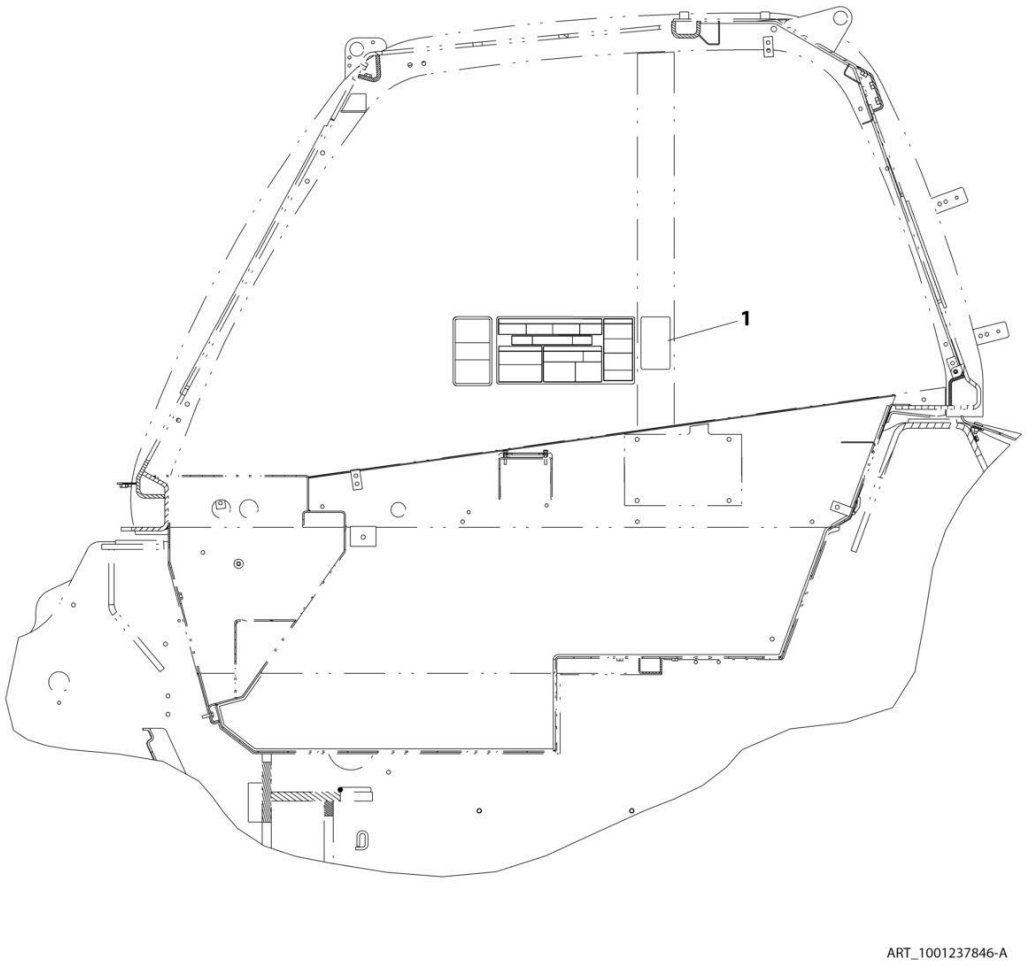


FIGURE 11-15. REVERSE SENSOR SYSTEM DECAL (ENGLISH/SPANISH)

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

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 12-1. RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.	
	70029597	1	Coil (Drywall Carriage)	
	70028281	1	Coil (Ride Control)	
	70021208	1	Coil (Frame Level Valve)	
	70002963	1	Coil (Priority Valve & Sahr Brake)	
	70020764	1	Coil (Quick Coupler)	
	70003788	1	Coil (Rear Axle Stabilizer)	
	70026582	1	Coil (Steer Select Valve)	
	1001159028	1	Controller, Accelerator	
	1001197138	1	Controller, Brake	
	1001222609	1	Controller, Joystick	
	1001177597	2	Diode, 6amp (Cab Harness & Engine Harness 110HP ULS)	
		Ref	Engine - Cummins 74HP ULS	
	70026234	12	Element, Primary Fuel	
	70026453	12	Element, Secondary Fuel	
	70026237	12	Filter, Oil	
	70025852	12	Filter, Primary Air	
	70025853	12	Filter, Secondary Air	
		Ref	Engine - Cummins 110HP ULS	
	70026237	12	Filter, Oil	
	70025850	12	Filter, Primary Air	
	70025851	12	Filter, Secondary Air	
	8229242	2	Fuse, 5A	
	80983191	2	Fuse, 10A	
	8229244	2	Fuse, 15A	
		Ref	Engine - Cummins 110HP LS	
	70026234	12	Element, Primary Fuel	
	70026801	12	Element, Secondary Fuel	
	70026237	12	Filter, Oil	
	70025850	12	Filter, Primary Air	
	70025851	12	Filter, Secondary Air	
	1001162662	12	Filter, Breather	
	8229261	2	Fuse, 5A (ASOV)	
	8229242	2	Fuse, 5A (Cab Electrical Board, Cab Option 1 Board & Clearsky 2 Harness)	
	80983191	2	Fuse, 10A (Cab Electrical Board, Cab Option 1 Board, Cab Option 2 board)	
	8229244	2	Fuse, 15A (Cab Option 2 Board & Frame Power Distribution Box	
	8229235	2	Fuse, 20A (ASOV)	
	8229247	2	Fuse, 25A (Cab Option 1 Board & Frame Power Distribution Box)	
	8229245	2	Fuse, 30A (Cab Option 1 Board & Frame Power Distribution Box)	
	70026297	2	Fuse, 80A (Frame Power Distribution Box)	
	1001095336	2	Fuse, 150A (Frame Power Distribution Box)	
	70026296	2	Fuse, 200A (Frame Power Distribution Box)	
	1001131177	2	Fuse, Power Module (Engine Wiring Installation)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70022765	1	Key, Ignition	
	2940074	1	Latch (Fork Mounted Basket)	
	1001203181	1	Module, Accessory (ASOV)	
	1001270466	1	Module, Cab	
	1001262322	1	Module (ClearSky 2 ANSI)	
	1001239194	1	Module (ClearSky 2 CE)	
	1001270467	1	Module, Front Frame Control	
	1001270468	1	Module, Rear Frame Control	
	1001226328	1	Module, 3W TCU (ClearSky ANSI)	
	1001233236	1	Module, 3W TCU (ClearSky CE)	
	1001117308	1	Relay (Engine Bay Electrical)	
	3740080	1	Relay (ASOV & Cab Seat Belt Alarm)	
	70026292	1	Relay, 35A (Cab Electrical Board)	
	70026295	1	Relay, 35A (Frame Power Distribution Box)	
	1001205172	1	Relay, 35A (Engine Harness 110HP)	
	70026293	1	Relay, 50A (Cab Option 1 Board)	
	70026294	1	Relay, 70A (Frame Power Distribution Box)	
	4000015	1	Sensor, Angle (Boom Angle Sensor)	
	1001121955	1	Sensor, Coolant Level	
	1001147340	1	Sensor, Pressure Transducer (Cab Hydraulics)	
	1001183024	1	Sensor, Proximity (LSI Installation)	
	1001247421	1	Sensor, Reverse	
	1001269578	1	Sensor, Temperature (Heater & A/C)	
	1001128478	1	Sensor, Temperature (Hydraulic Tank)	
	1001104654	1	Switch, AUX	
	1001159746	1	Switch, Auxiliary Electric	
	1001159738	1	Switch (Beacon)	
	1001159745	1	Switch, Boom Ride (Ride Control)	
	1001159739	1	Switch, Boom Work Lights	
	1001192142	1	Switch, Disconnect	
	1001163639	1	Switch, Driving Lights	
	1001163698	1	Switch, FNR 4 Speed	
	1001212470	1	Switch, Frame Level	
	1001159845	1	Switch, Front Worklights	
	1001159734	1	Switch, Hazard (Roadlights)	
	1001169268	1	Switch, Horn	
	1001160326	1	Switch, HVAC On/Off (Heater & AC)	
	1001159925	1	Switch, HVAC Recycle (Heater & AC)	
	1001172547	1	Switch, HVAC Rotary 3 Speed (Heater & AC)	
	1001159742	1	Switch, LSI Override	
	1001159753	1	Switch, Park Brake	
	1001080375	1	Switch, Quick Coupler (Hydraulic Coupler)	
	1001159735	1	Switch, Rear Wiper (Enclosed Cab)	
	1001159846	1	Switch, Rear Worklights	
	1001159736	1	Switch, Roof Wiper (Enclosed Cab)	
	1001159849	1	Switch, Steer Mode	
	1001215941	1	Switch, Toggle (ASOV)	
	1001256974	1	Switch, Turn-Wiper (Enclosed Cab)	
	1001102502	1	Switch, 4 Position Key	

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

FIGURE 13-1. SPECIAL OPTIONS/ACCESSORIES/KITS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	See Note	Ref	Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.	
		Ref	SPECIAL OPTIONS/ACCESSORIES/KITS	
	1001254401	Ref	Access Control Kit	
	1001202371	Ref	Aftermarket Kits	T
	1001249695	Ref	Analyzer and Cable Kit	
	1001249941	Ref	Battery Powered Analyzer Cable Kit	
	1001199376	Ref	Beacon Kit	
	1001211987	Ref	Boom Kit	
	1001208646	Ref	Boom Wear Pads Kit	
	1001211985	Ref	Boom Wiper Kit	
	1001237761	Ref	Breather Heater Kit (74HP)	
	1001213286	Ref	Cab Display Kit	
	1001210341	Ref	Cab Electrical Option 1	
	1001210342	Ref	Cab Electrical Option 2	
	1001199381	Ref	Cab Guard Kit (Front)	
	1001199380	Ref	Cab Guard Kit (Top)	
	1001199382	Ref	Cab Guard Kit (Front and Top)	
	1001213334	Ref	Cab Enclosure Kit	
	1001213342	Ref	Cab Enclosure Kit with Heater (ULS /LS)	
	1001213343	Ref	Cab Enclosure Kit with Heater and A/C (ULS) (ANSI, ANSI Export and Canada)	
	1001213344	Ref	Cab Enclosure Kit with Heater and A/C (LS) (ANSI Export and Latin America)	
	1001213336	Ref	Cab Heater Kit (ULS /LS)	
	1001213339	Ref	Cab Heater and A/C Kit (ULS) (ANSI, ANSI Export and Canada)	
	1001213340	Ref	Cab Heater and A/C Kit (LS) (ANSI Export and Latin America)	
	1001213349	Ref	Cab Heater - Upgrader from Heater Only to Heater and A/C Kit (ULS) (ANSI, ANSI Export and Canada)	
	1001213350	Ref	Cab Heater - Upgrader from Heater Only to Heater and A/C Kit (LS) (ANSI Export and Latin America)	
	1001268341	Ref	Camera (Rear View) Add-on Kit (Dealer Installed)	
	1001243187	Ref	ClearSky Telematics Kit - Canbus (North America) (ANSI, ANSI Export and Canada)	
	1001243188	Ref	ClearSky Telematics Kit - Canbus (CE) (ANSI Export and CE)	
	1001254389	Ref	ClearSky Telematics Kit - Canbus (North America) (ANSI and Canada)	
	1001254390	Ref	ClearSky Telematics Kit - Canbus (CE) (ANSI Export and CE)	
	1001276923	Ref	ClearSky Telematics Add-on Kit (Contact JLG for Approved Countries)	
	1001254400	Ref	ClearSky Telematics Extension Kit - Canbus	
	1001211991	Ref	Cold Weather Kit (ULS) (ANSI, ANSI Export and Canada)	
	1001211992	Ref	Cold Weather Kit (LS) (ANSI Export and Latin America)	
	1001242264	Ref	Cold Weather Kit (74HP) (ANSI, ANSI Export and Canada)	
	1001211918	Ref	Decal Kit	
	1001238953	Ref	DEF Sensor Upgrade Kit (ANSI, ANSI Export and Canada)	
	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	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148905	Ref	Electrical Connector Kit - Packard Electrical Connectors	
	1001148906	Ref	Electrical Connector Kit - Various Electrical Connectors	
	1001272892	Ref	EROPS Service Kit	
	1001214167	Ref	External Rear Window Release Kit	
	1001199378	Ref	Fender Kit	
	1001208643	Ref	Filter Kit - 250Hour (ANSI, ANSI Export and Canada)	
	1001208644	Ref	Filter Kit - 1000Hour (ANSI, ANSI Export and Canada)	
	1001239961	Ref	Fire Extinguisher Kit	
	1001278325	Ref	Fuel Cap Cover Kit	
	70029809	Ref	Lift Cylinder Seal Kit	
	1001209981	Ref	Lights – Boom Worklight Kit	
	1001230106	Ref	Lights - Roadlights Kit (No Outriggers)	
	1001208847	Ref	Lights - Worklight Kit	
	1001235921	Ref	Lights - Worklight Kit (LED)	
	1001272890	Ref	OROPS Service Kit	
	1001199362	Ref	Rear Wiper Kit	
	1001199366	Ref	Reverse Camera Kit	
	1001245914	Ref	Reverse Camera Kit (4WARD)	
	1001252086	Ref	Reverse Sensing System Kit	
	1001199328	Ref	Roof Wiper Kit	
	1001213289	Ref	Short Roof Cap Kit	
	1001260947	Ref	Smart Shift Kit	
	1001274892	Ref	Steering Column Service Kit - 0 Speed FNR (with Worklights)	
	1001275150	Ref	Steering Column Service Kit - 2 Speed FNR (with Worklights)	
	1001274891	Ref	Steering Column Service Kit - 2 Speed FNR (with Clamp)	
	1001274889	Ref	Steering Column Service Kit - 4 Speed FNR (with Clamp)	
	1001274890	Ref	Steering Column Service Kit - 4 Speed FNR (with Worklights)	
	1001229799	Ref	Strainer Kit	
	1001274257	Ref	Tire Set – Solid 13x28 Dir	
	1001274302	Ref	Tire Set – Solid 13x28 Non-Dir	
	1001274305	Ref	Tire Set – Solid 14x28 Dir	
	1001274307	Ref	Tire Set – Solid 14x28 Non-Dir	
	1001274718	Ref	Tire Set – Solid 13x24 Dir	
	1001274721	Ref	Tire Set – Solid 14x24 Dir	
	1001263075	Ref	Tire Kit – Turf (Pneumatic)	
	1001249695	Ref	Tools- Analyzaer and Cable Kit	
	1001249941	Ref	Tools- Analyzaer and Cable Kit (Battery Powered)	
	7002821	Ref	Tools - Crimper, Wire	
	7002823	Ref	Tools - Pin Extractor - Universal (For Electrical Connectors with Pins and Sockets)	
	4460510	Ref	Tools - Pin Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460467	Ref	Tools - Pin Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7016654	Ref	Tools - Screwdriver, Magnetic	
	7002822	Ref	Tools - Screwdriver, Potentiometer	
	7004275	Ref	Tools - Seal Tool 1in (For Cylinders)	
	7004276	Ref	Tools - Seal Tool 1-1/2in (For Cylinders)	
	7002828	Ref	Tools - Stripper, Wire	
	1001262959	Ref	Voltage Regulator Relocation Kit	

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