Illustrated Parts Manual

Model 1043

PVC
2011

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An Oshkosh Corporation Company

EFFECTIVITY PAGE

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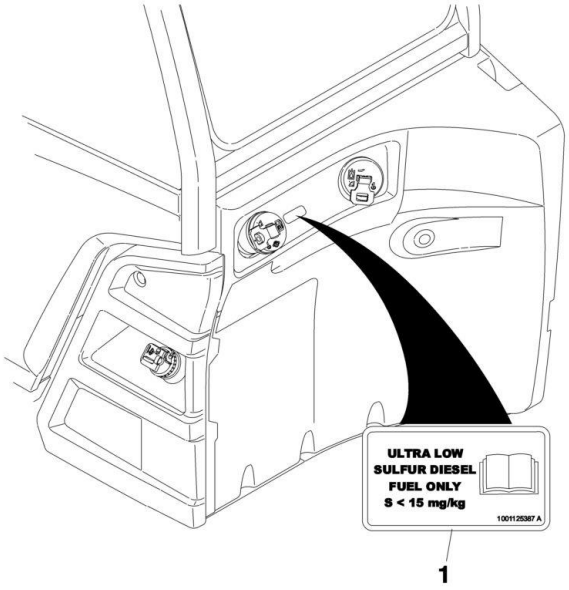
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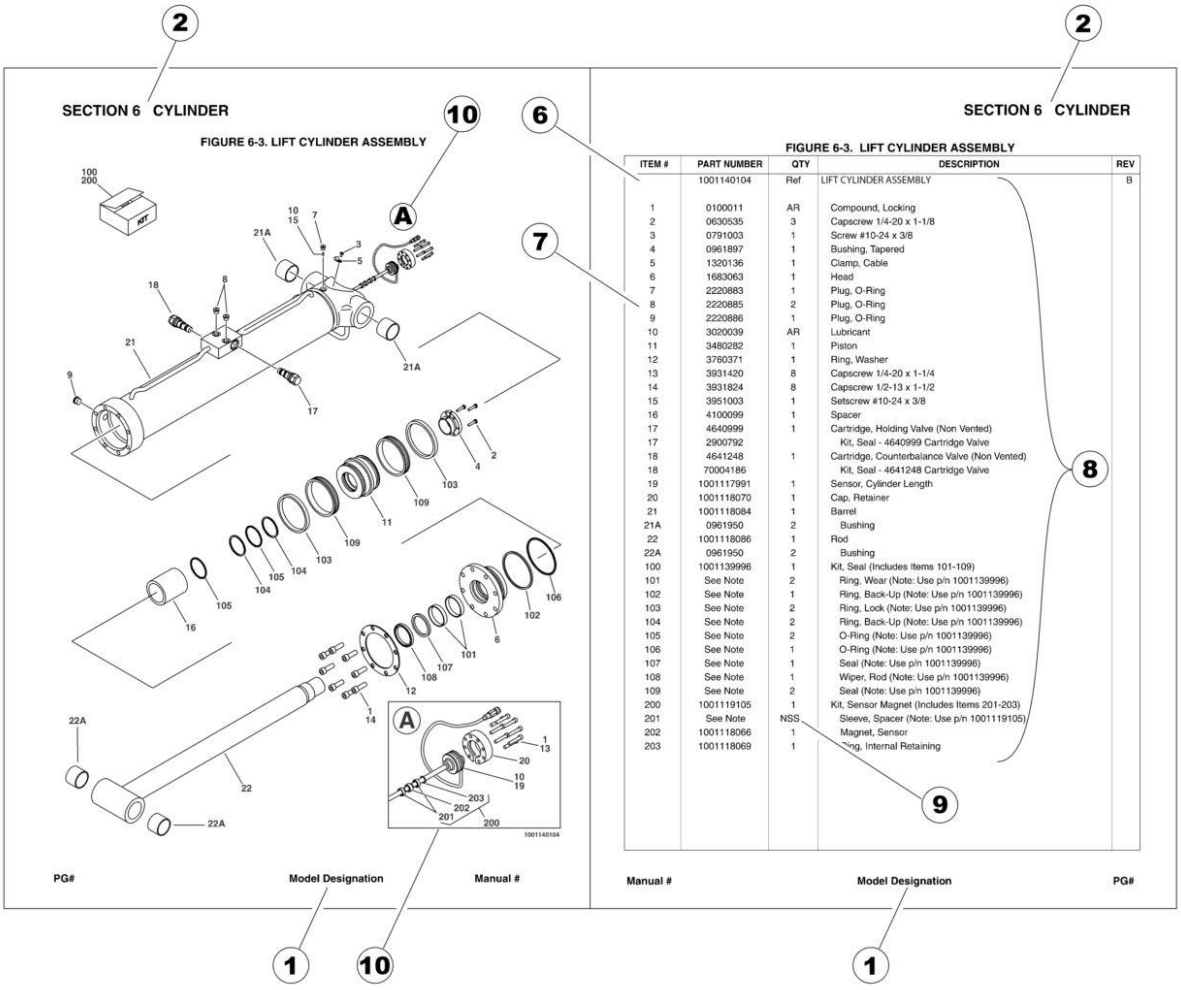
Machine Configuration

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



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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SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-1. ENGINE ENCLOSURE INSTALLATION

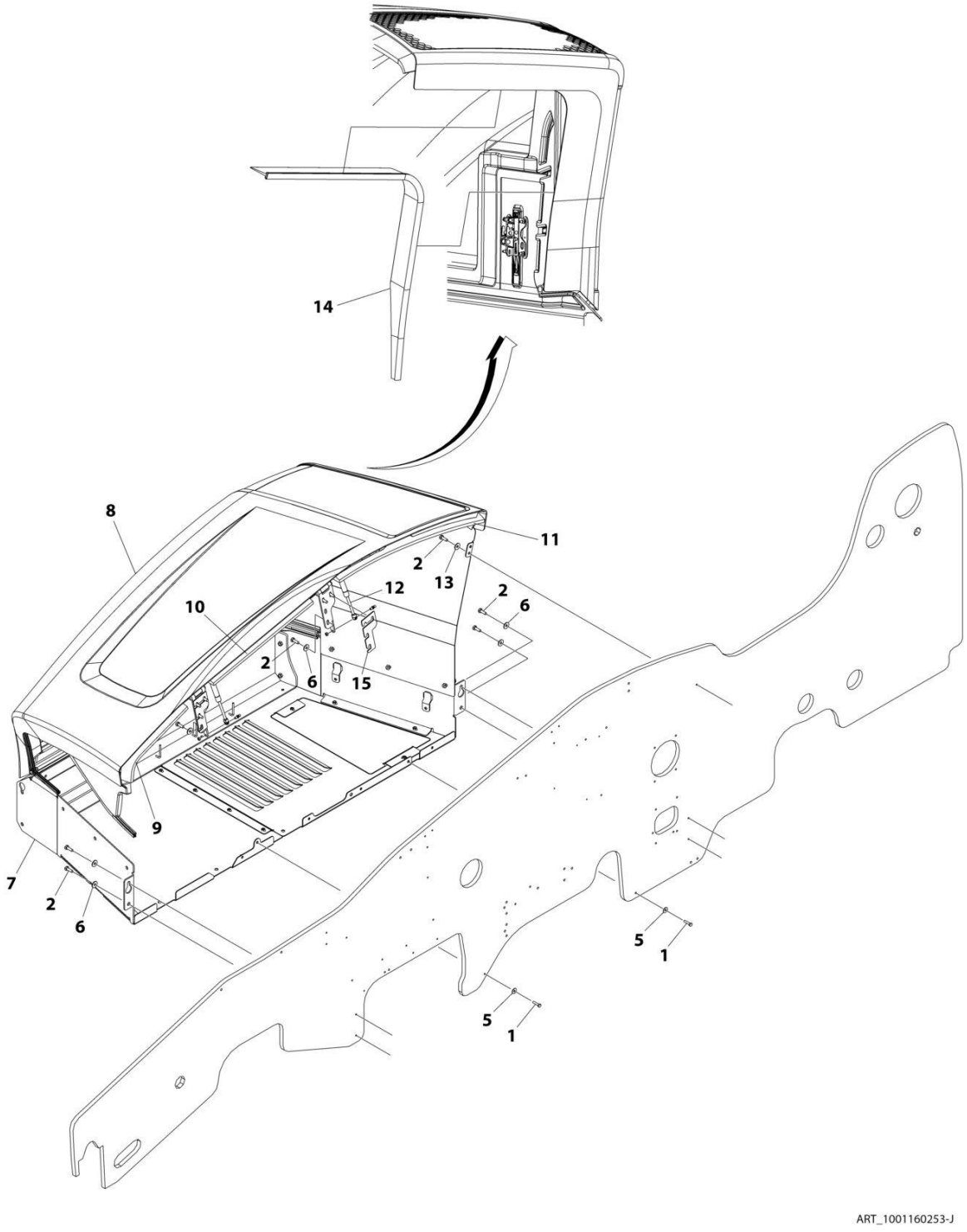


FIGURE 1-1. ENGINE ENCLOSURE INSTALLATION

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

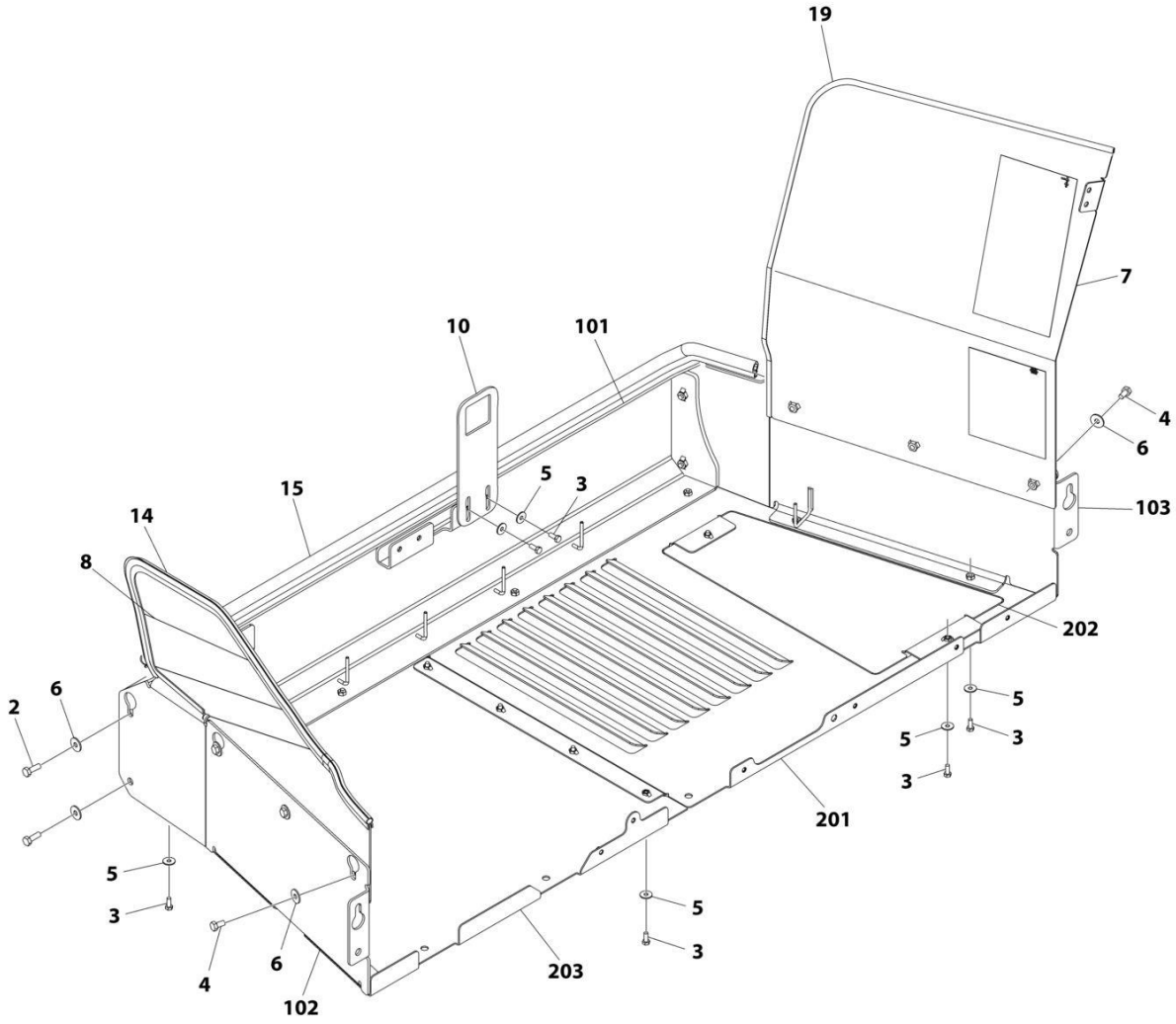


FIGURE 1-2. ENGINE ENCLOSURE COVER INSTALLATION

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

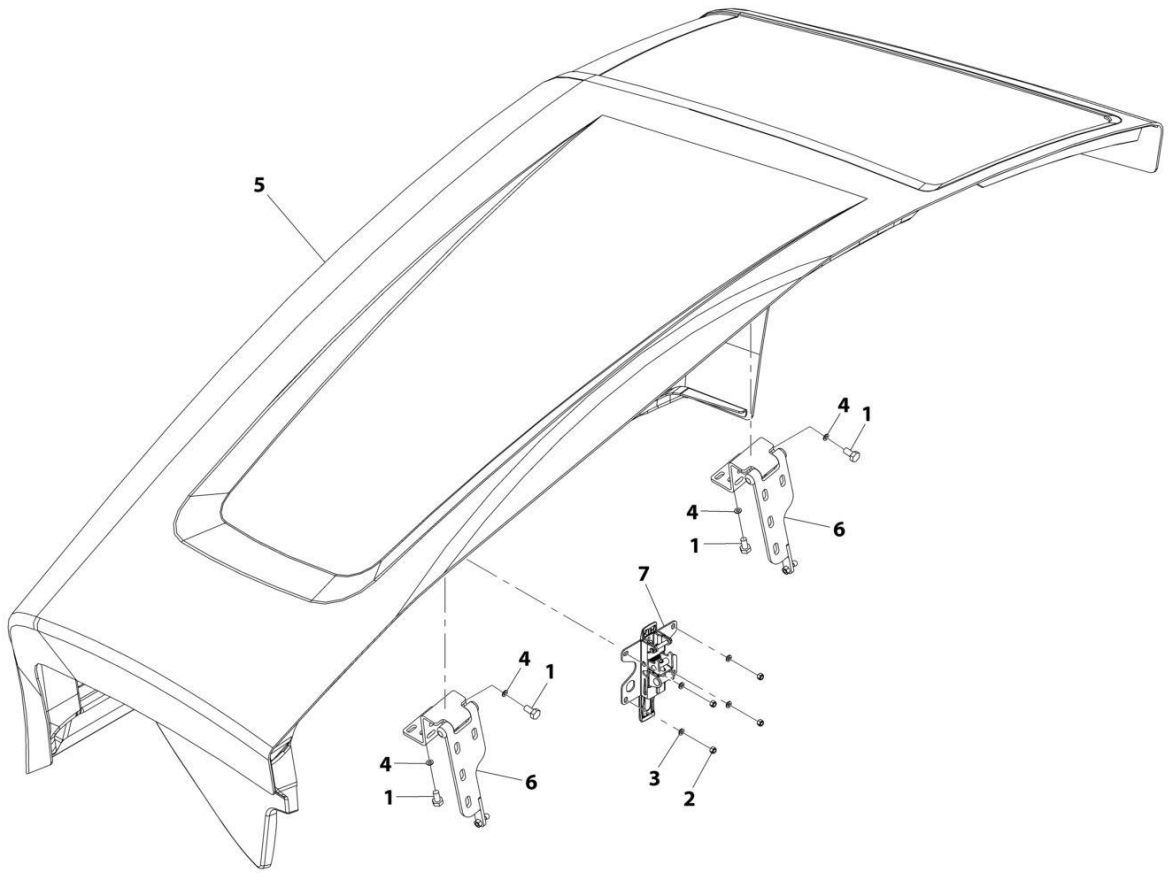


FIGURE 1-3. HOOD ASSEMBLY

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 (OUTRIGGERS) (ULS)

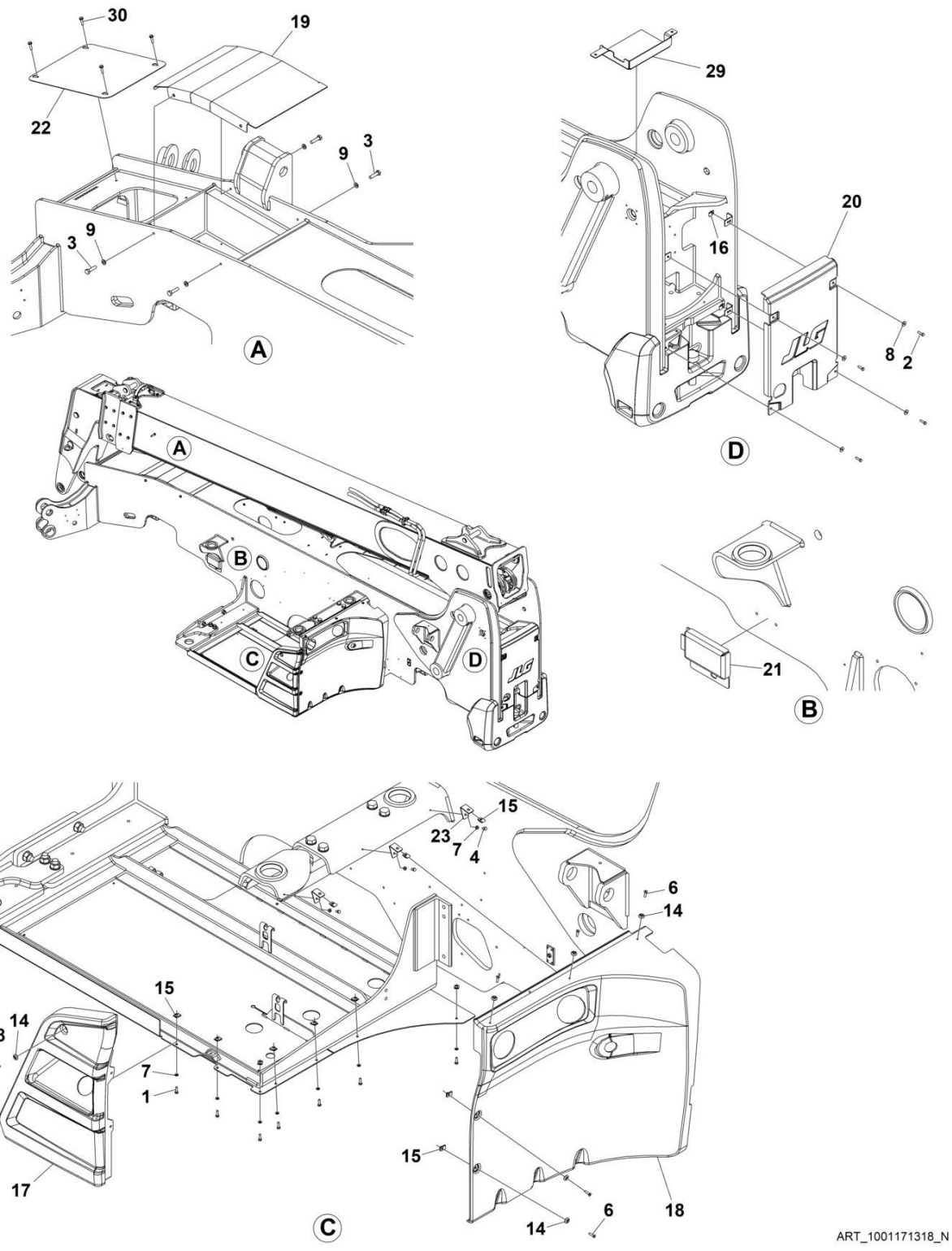


FIGURE 1-4. COVER INSTALLATION (OUTRIGGERS) (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171318	Ref	Cover Installation (Outriggers) (ULS)	N
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	
8	4811902	4	Washer, M8	
9	4812000	4	Washer, M10	
14	1001097540	6	Washer, M6	
15	1001130220	12	Nut, M6	
16	1001149160	4	Nut, M8	
17	1001168760	1	Cover, Side Tank	
18	1001179548	1	Cover, Rear Tank	
19	1001207343	1	Shield, Battery	
20	1001170645	1	Cover	
21	1001201646	1	Shield, Inspection Port	
22	1001170665	1	Plate, Valve Cover	
23	1001171772	3	Plate, Angle Bracket	
28	1001112902	1	Screw, M6	
29	1001173468	1	Cover, Rear Frame Module	
30	5250814	4	Bolt, M8X30	

FIGURE 1-5. COVER INSTALLATION (OUTRIGGERS) (LS)

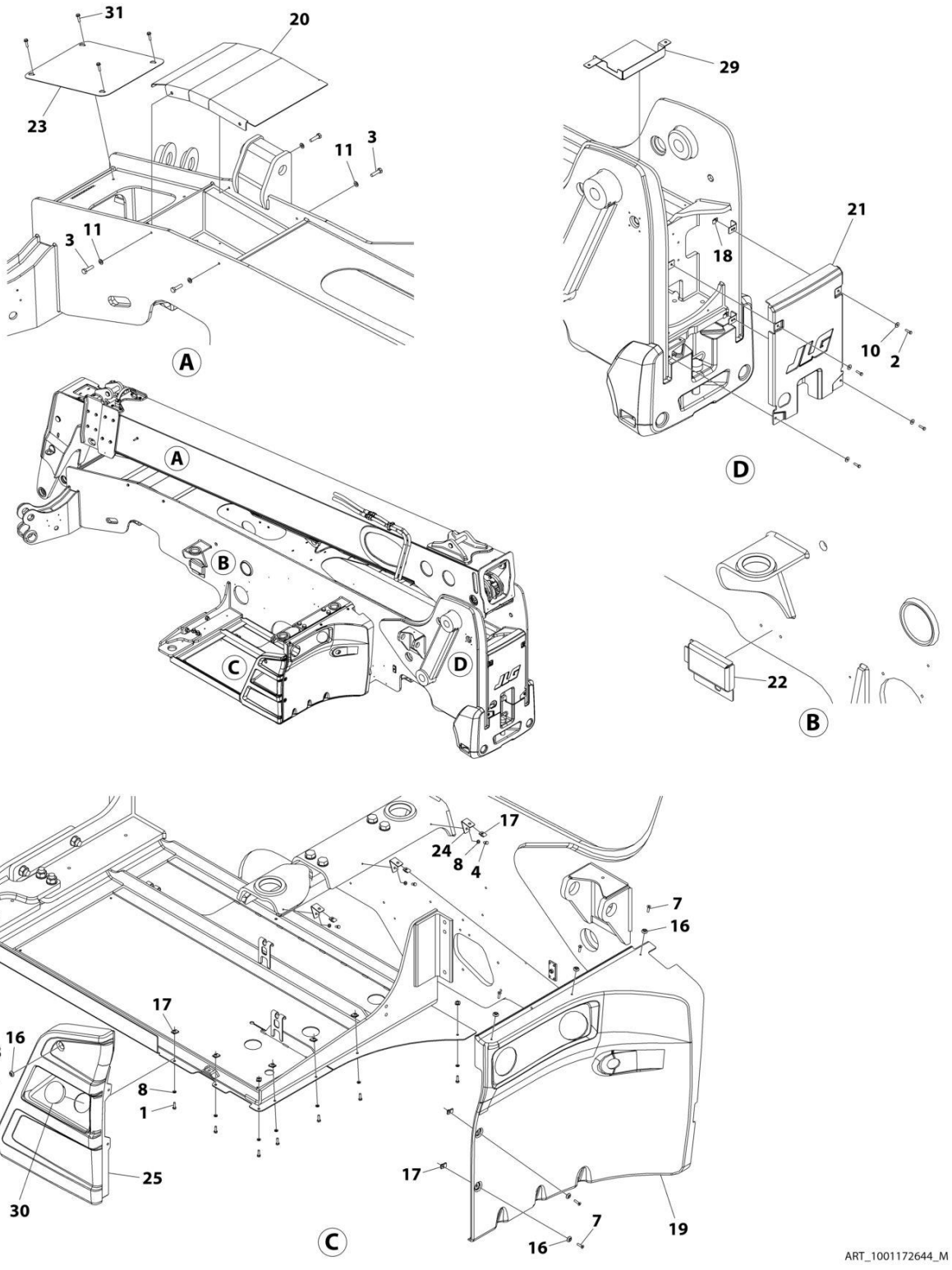


FIGURE 1-5. COVER INSTALLATION (OUTRIGGERS) (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172644	Ref	Cover Installation (Outriggers) (LS)	M
1	0700610	7	Bolt, M6X20	
2	0700814	4	Bolt, M8X30	
3	0701016	4	Bolt, M10X40	
4	0760606	3	Bolt, M6X12	
7	3900379	5	Screw, M6-1X25	
8	4811700	10	Washer, M6	
10	4811902	4	Washer, M8	
11	4812000	4	Washer, M10	
16	1001097540	6	Washer, M6	
17	1001130220	12	Nut, M6	
18	1001149160	4	Nut, M8	
19	1001168761	1	Cover, Rear Tank	
20	1001207343	1	Shield, Battery	
21	1001170645	1	Cover	
22	1001201646	1	Shield, Inspection Port	
23	1001170665	1	Plate, Valve Cover	
24	1001171772	3	Plate, Angle Bracket	
25	1001168760	1	Cover, Side Tank	
28	1001112902	1	Screw, M6	
29	1001173468	1	Cover, Rear Frame Module	
30	1001206746	1	Cap, Side Tank Cover	
31	5250814	4	Bolt, M8X30	

FIGURE 1-6. TANK INSTALLATION

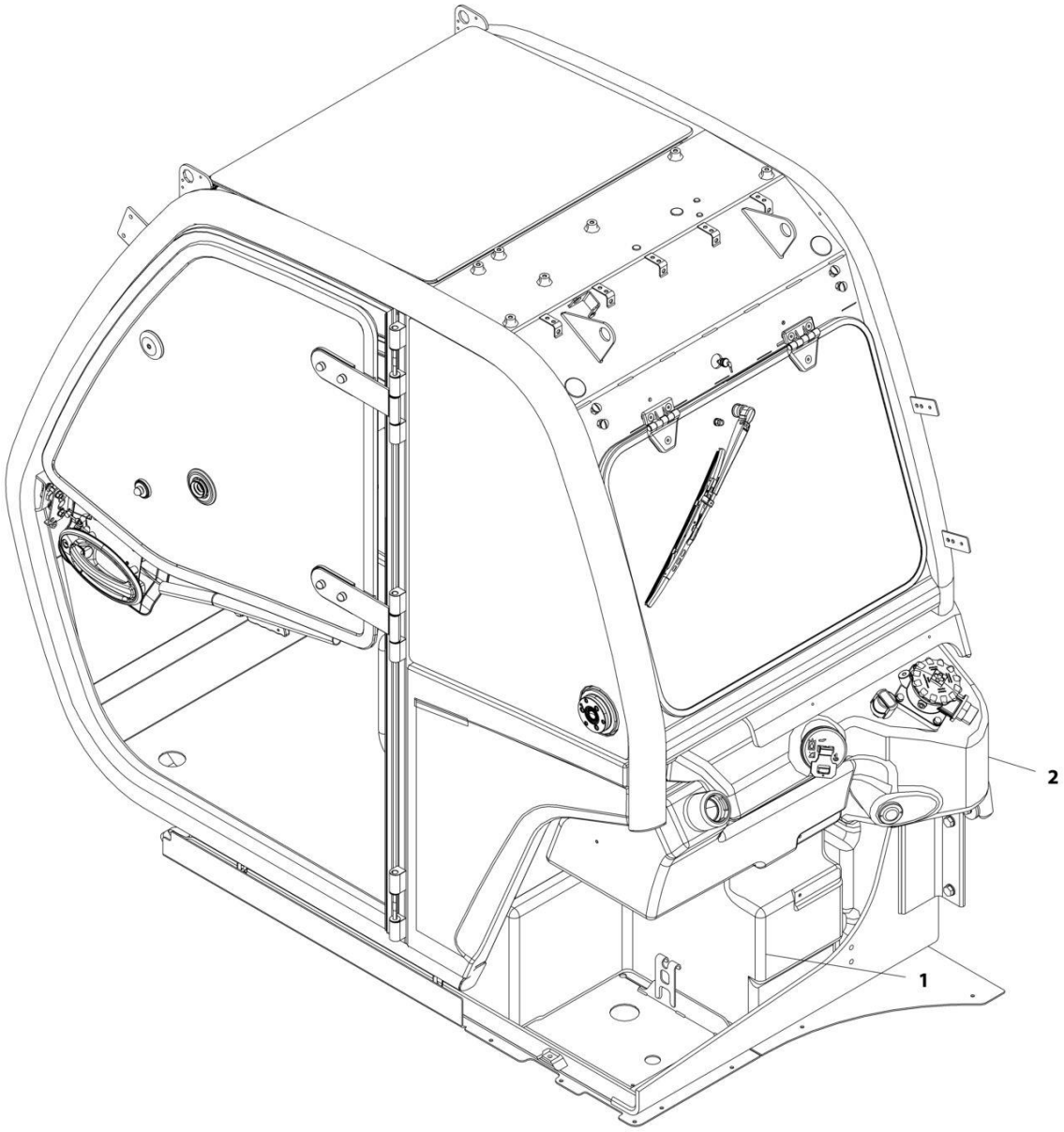


FIGURE 1-6. TANK INSTALLATION

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

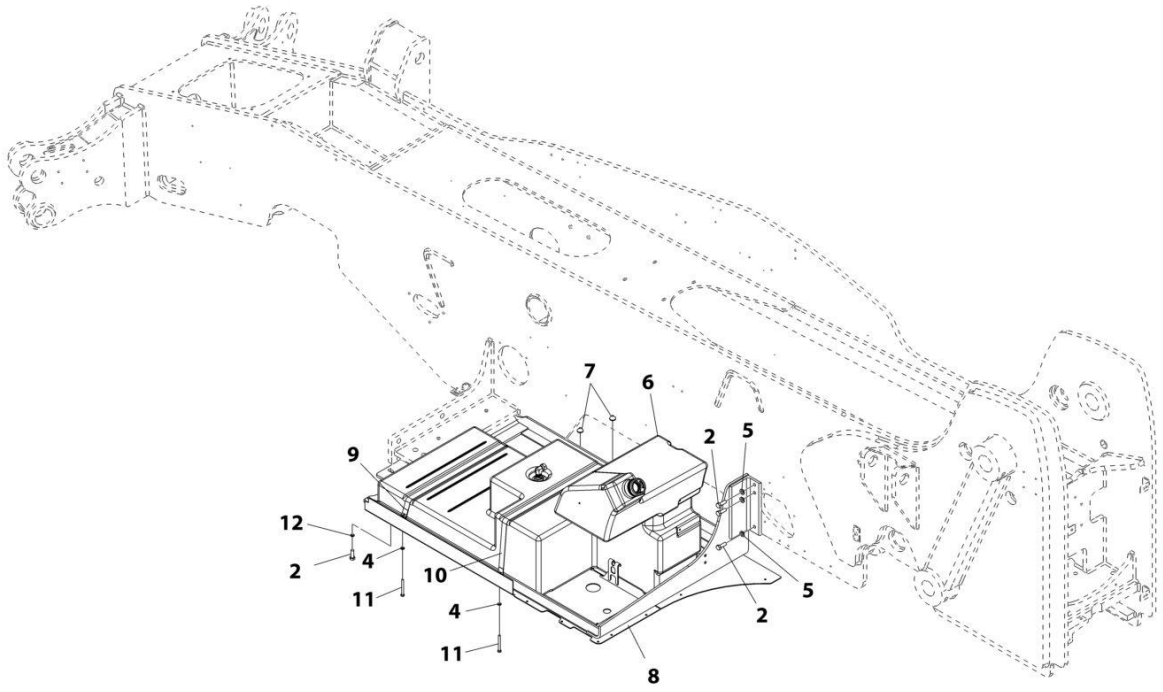


FIGURE 1-7. FUEL TANK INSTALLATION

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

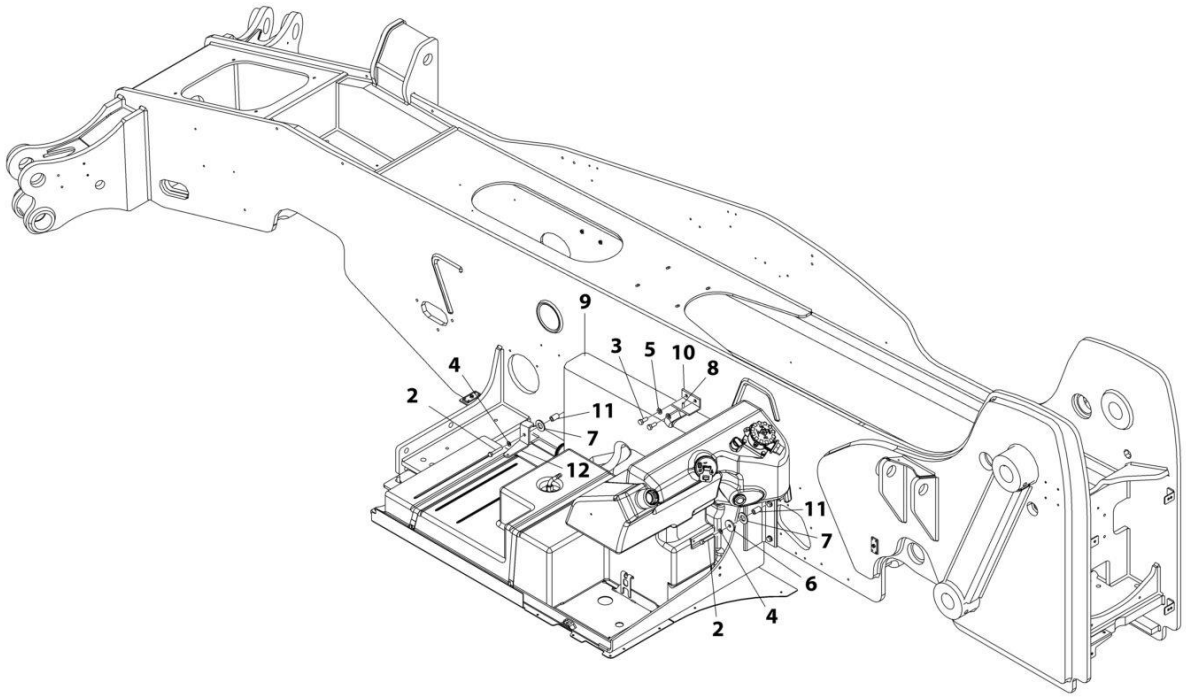
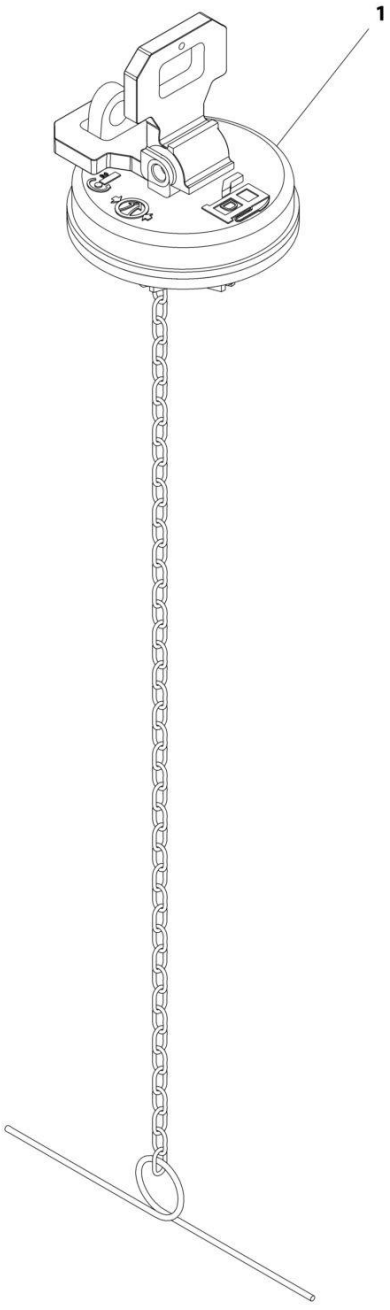


FIGURE 1-8. HYDRAULIC TANK INSTALLATION

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. OUTRIGGERS INSTALLATION

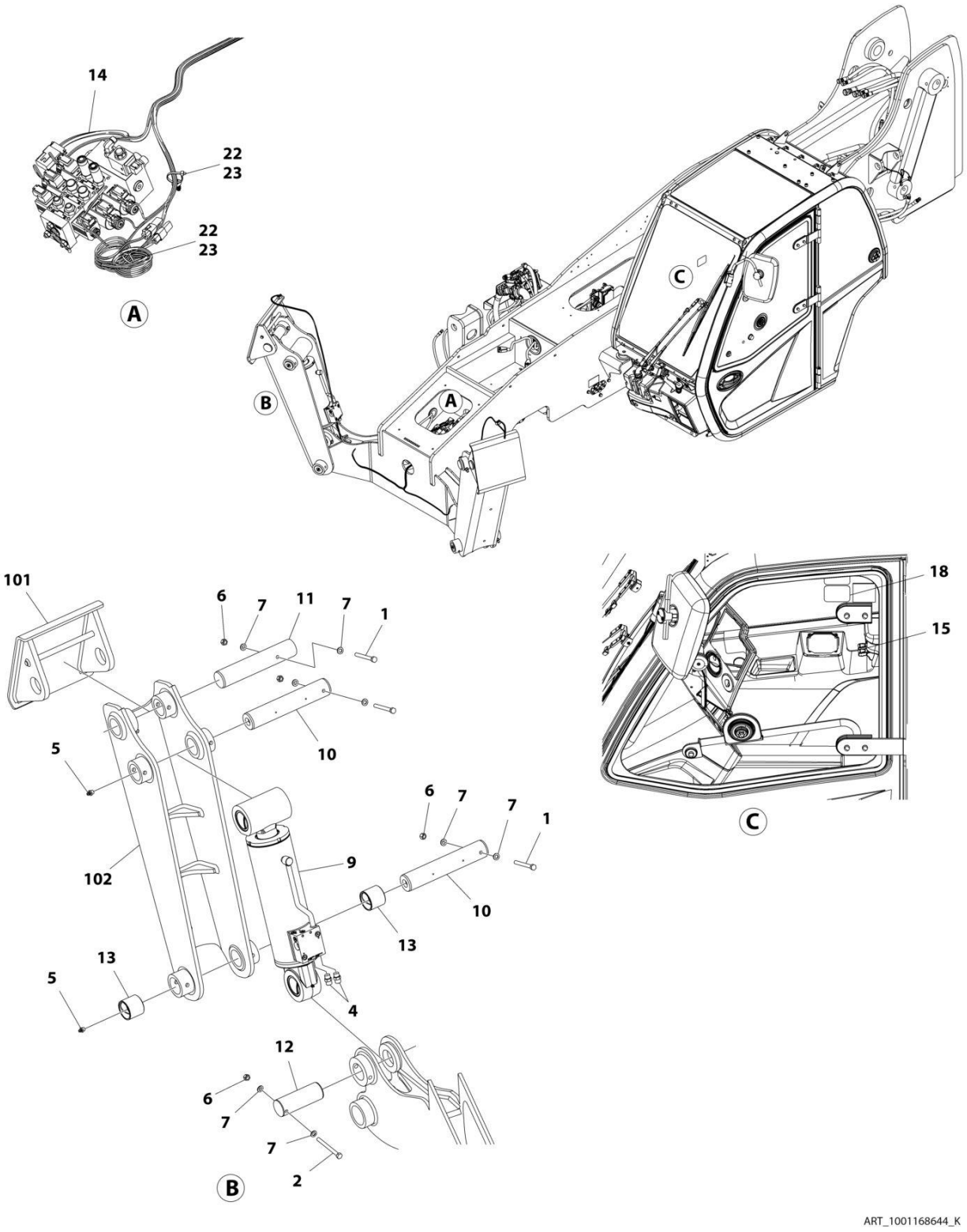


FIGURE 1-10. OUTRIGGERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168644	Ref	Outriggers Installation	K
1	0701229	6	Bolt, M12X120	
2	0701230	2	Bolt, M12X130	
4	2110808	4	Fitting, Straight ORFS	
5	2160016	4	Fitting, Grease	
6	3291205	8	Nut, M12 Grade 8	
7	4812100	16	Washer, M12	
9	1001213065	2	Outrigger Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
10	1001164436	4	Pin, Outrigger	
11	1001207292	2	Pin, Outrigger	
12	1001164454	2	Pin, Cylinder Base	
13	1001168281	4	Bearing, Outrigger	
14	1001172822	1	Harness, Outrigger (See Separate Breakdown in ELECTRICAL Section)	
15	1001174478	1	Installation, Outrigger Switches (See Separate Breakdown in CONTROLS Section)	
18	1001181537	1	Decal, Outrigger Switched	
22	1001202986	2	Strap, Cable Tie	
23	1001008559	2	Strap	
100	1001246533	1	Outrigger Plate Kit (Includes Items 101 & 102)	
101	1001161564	2	Weldment, Outrigger Pad	
102	1001207291J	2	Bracket, Outrigger Leg Weldment	

FIGURE 1-11. MIRROR INSTALLATION

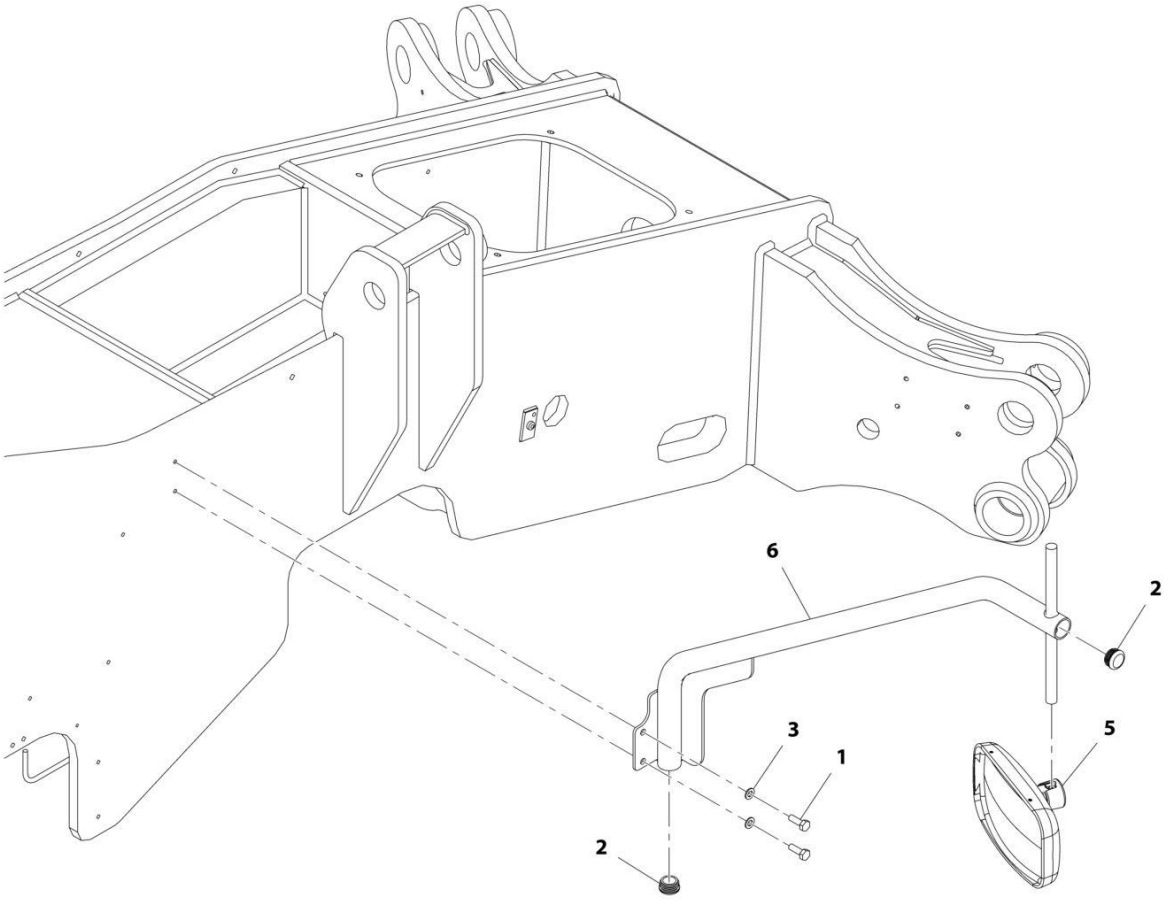


FIGURE 1-11. MIRROR INSTALLATION

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 1-12. BOOM PROP INSTALLATION (ANSI)

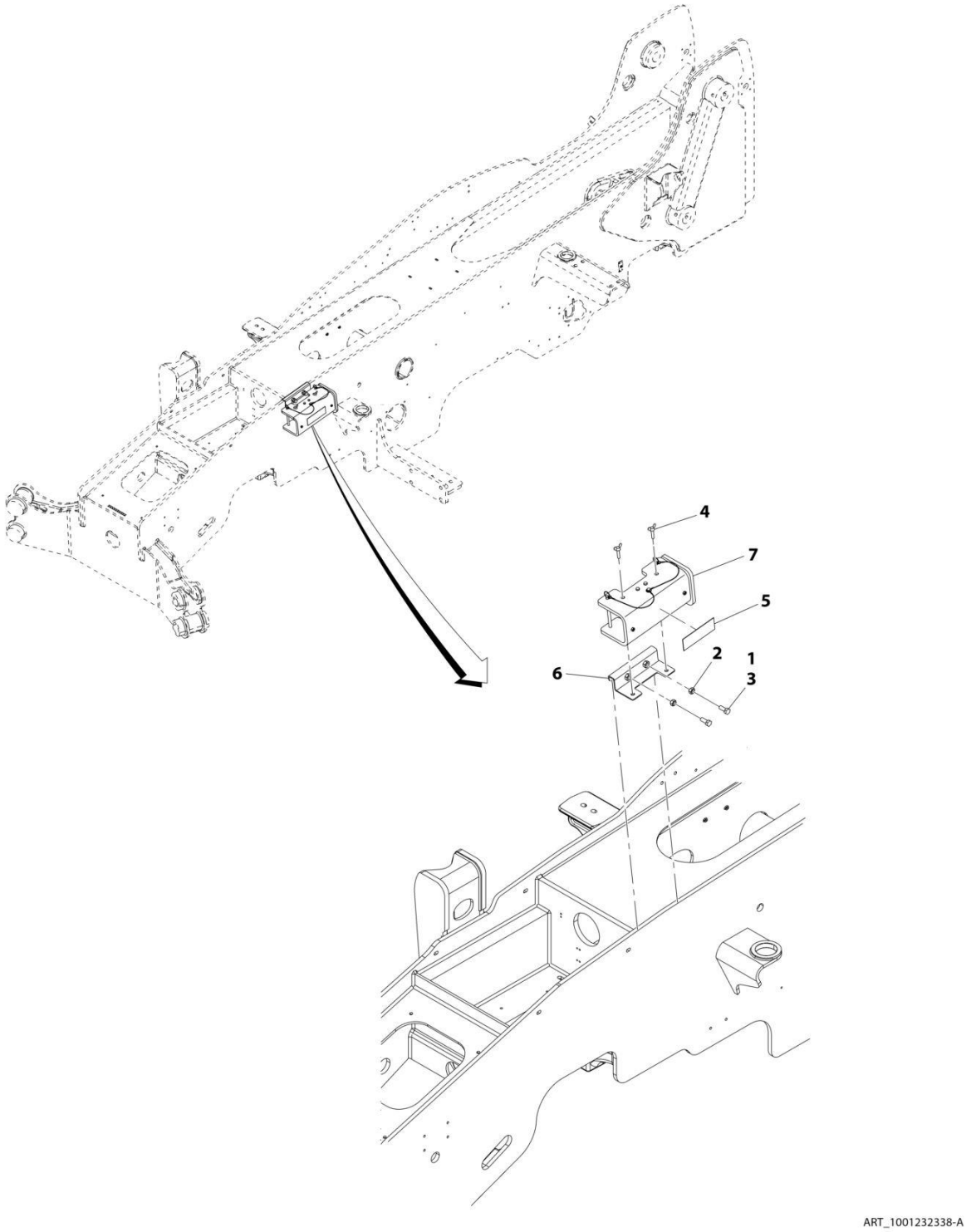


FIGURE 1-12. BOOM PROP INSTALLATION (ANSI)

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 1-13. BOOM PROP INSTALLATION (CANADA)

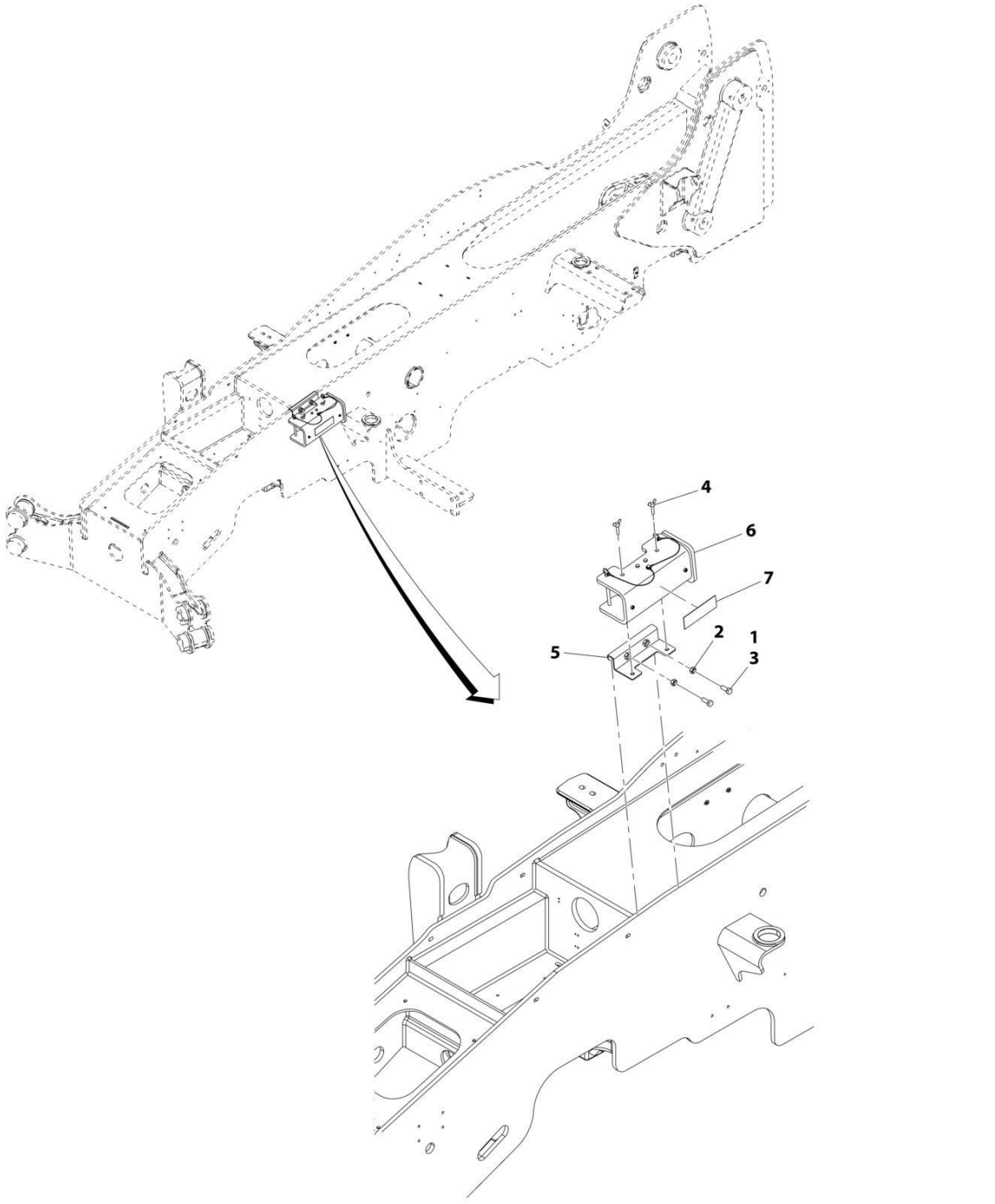


FIGURE 1-13. BOOM PROP INSTALLATION (CANADA)

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 1-14. BOOM PROP BRACKET

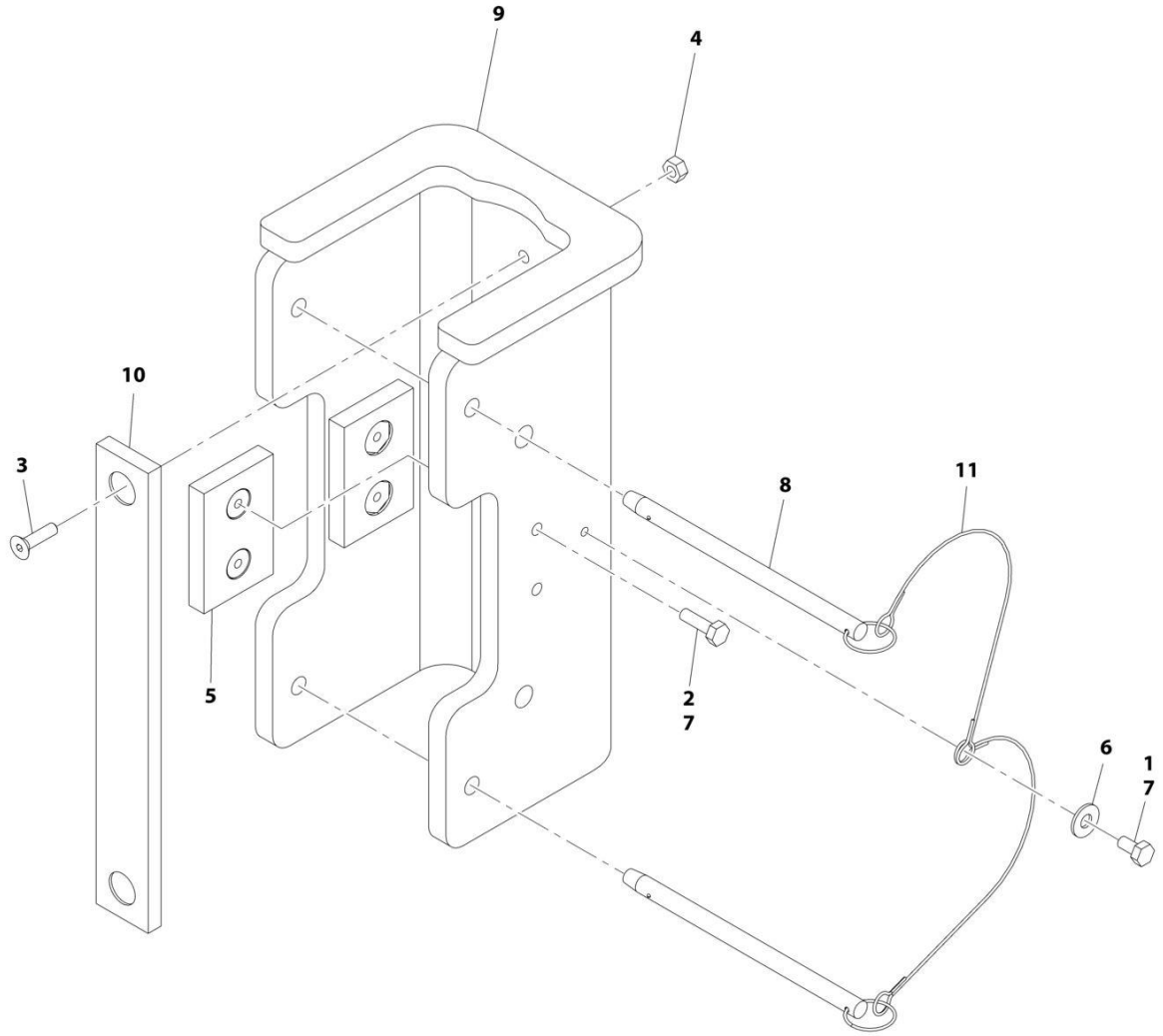


FIGURE 1-14. BOOM PROP BRACKET

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	

SECTION 2 - BOOM

FIGURE 2-1. BOOM ASSEMBLY

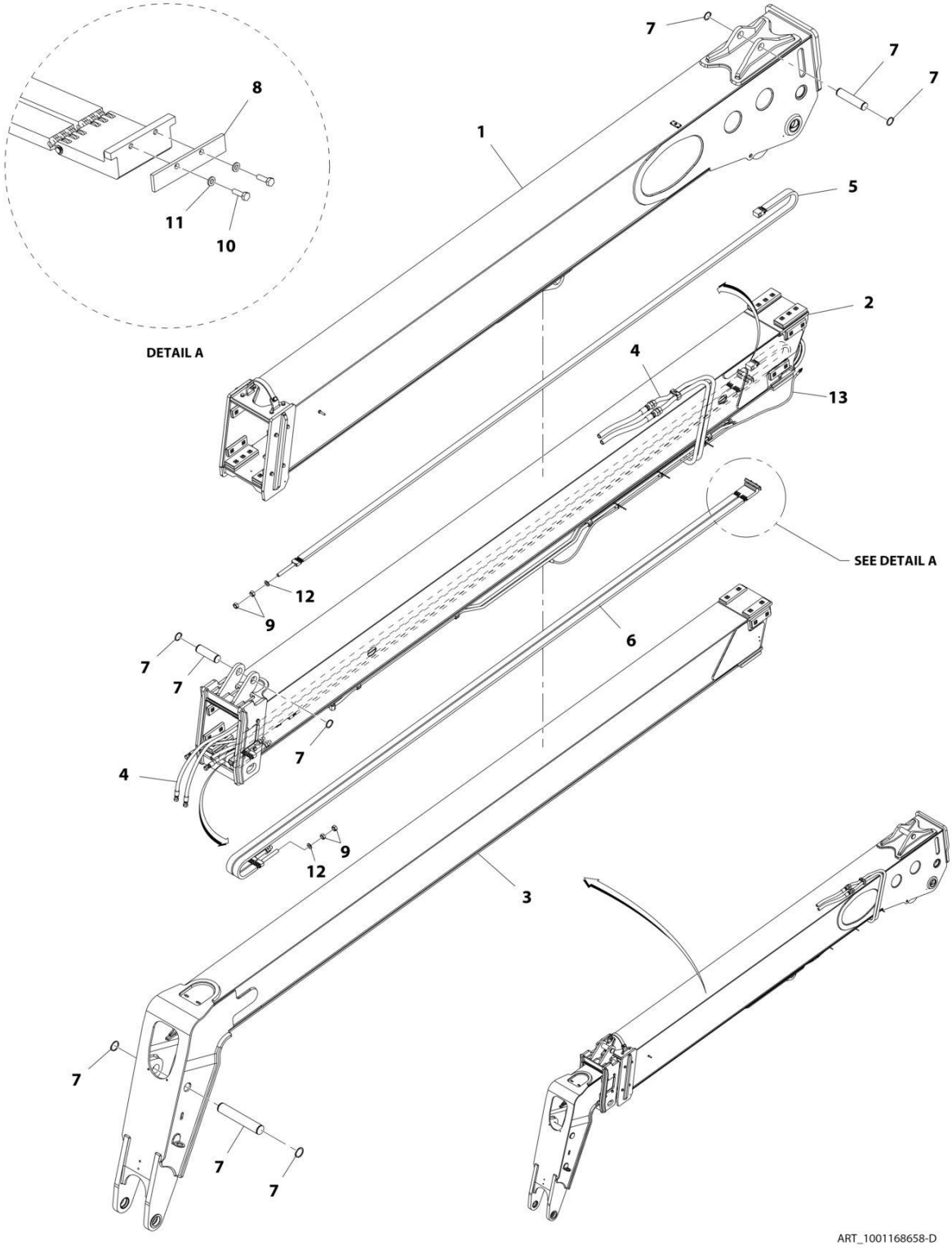


FIGURE 2-1. BOOM ASSEMBLY

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

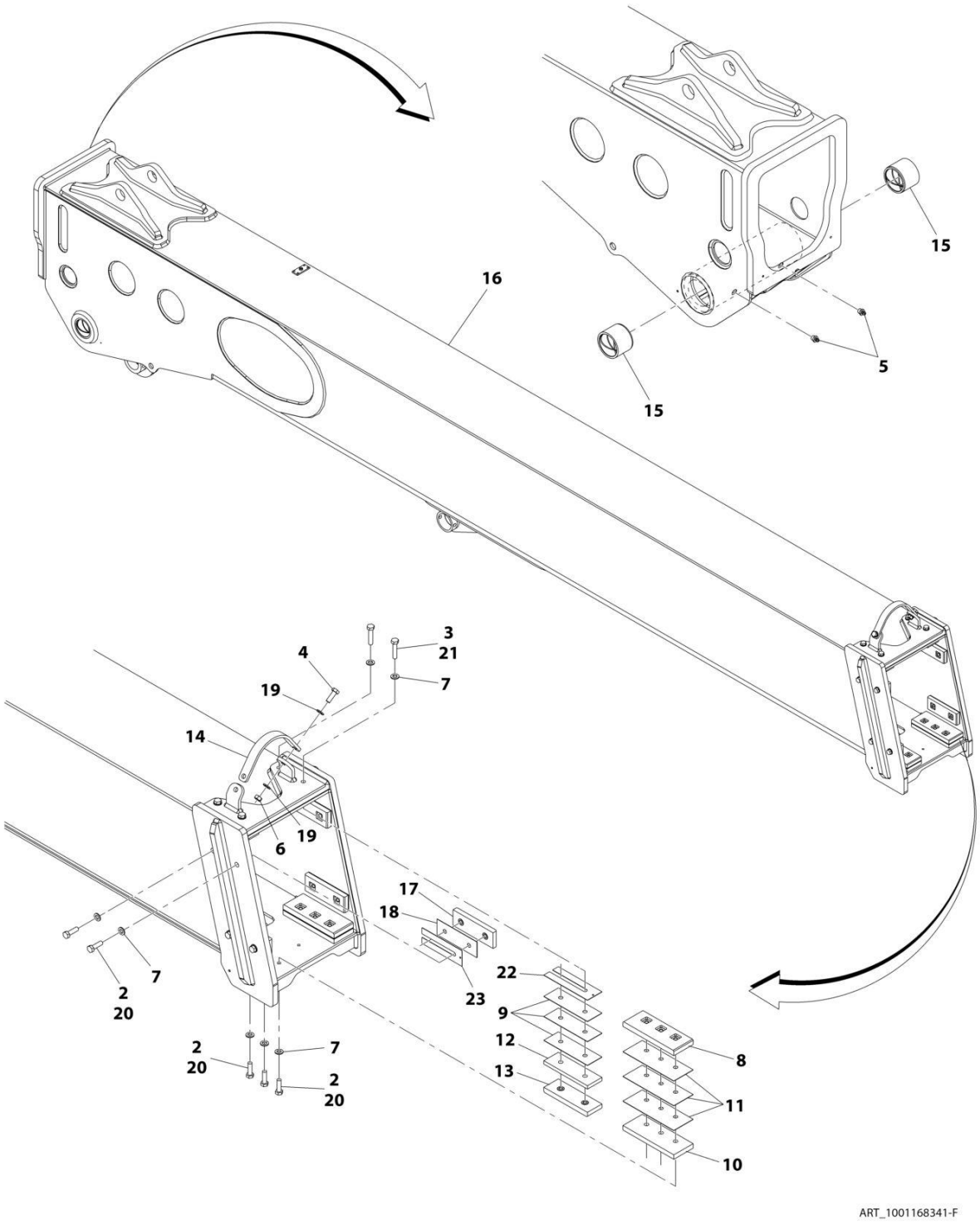


FIGURE 2-2. FIRST BOOM SECTION ASSEMBLY

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

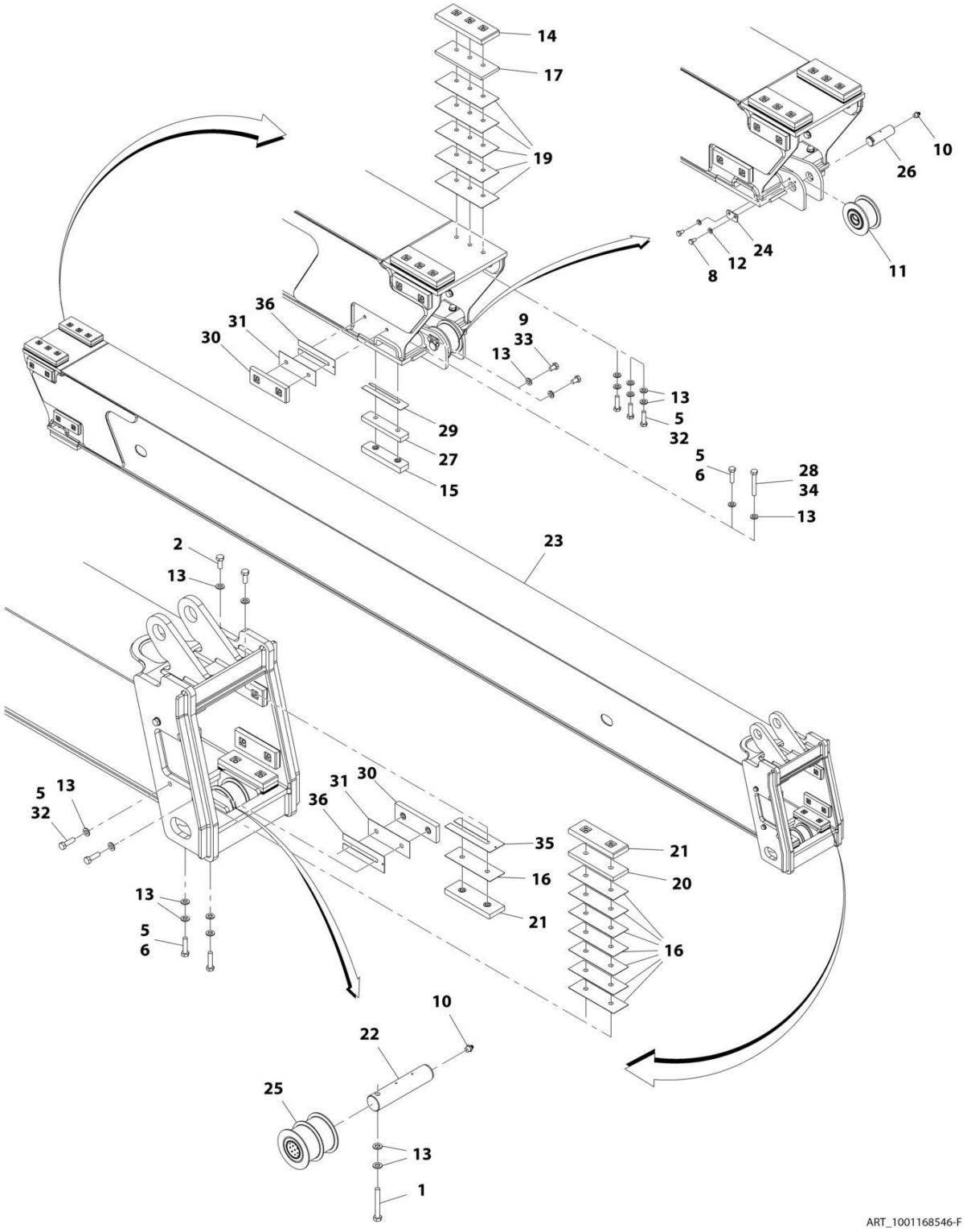


FIGURE 2-3. SECOND BOOM SECTION ASSEMBLY

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

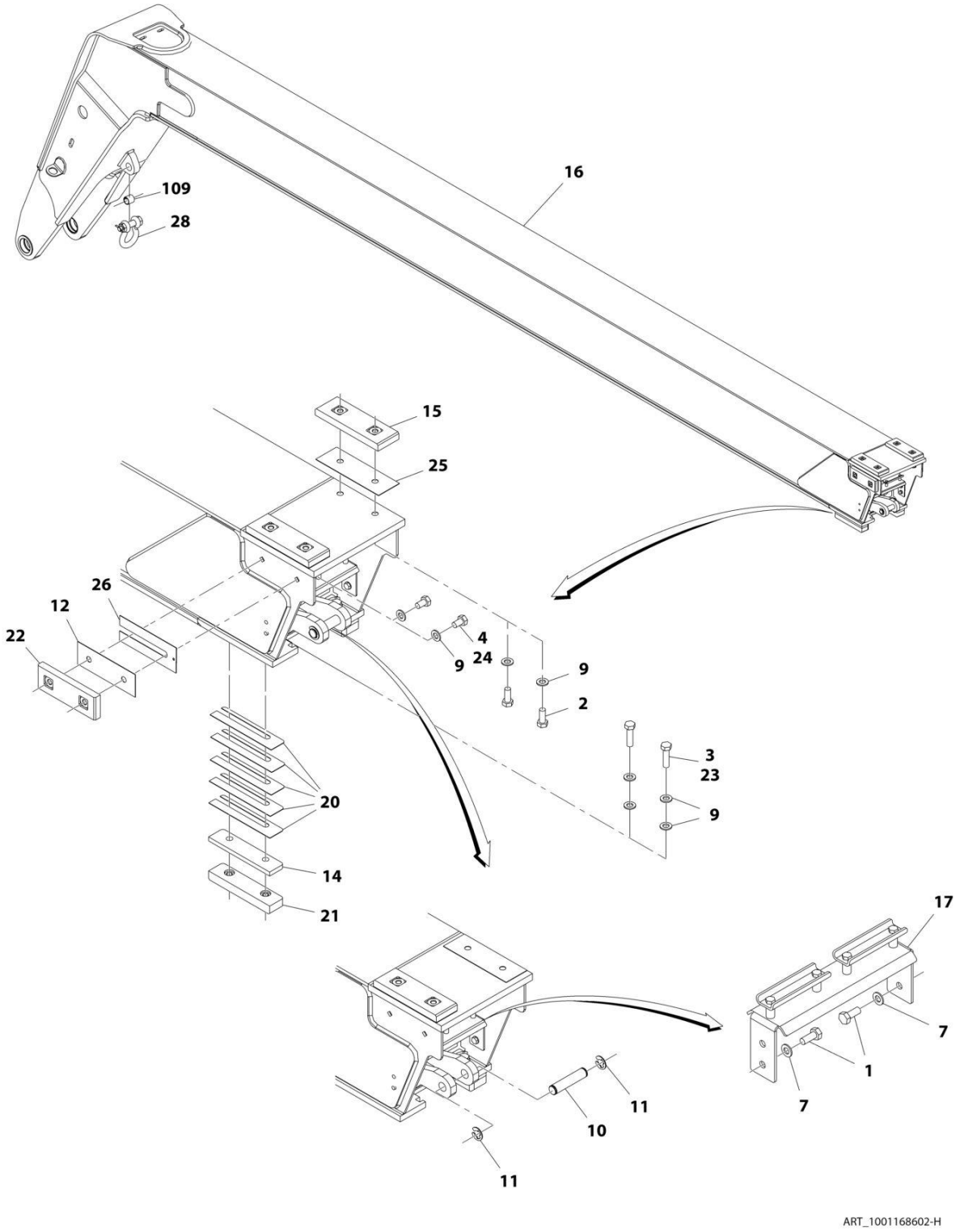


FIGURE 2-4. THIRD BOOM SECTION ASSEMBLY

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

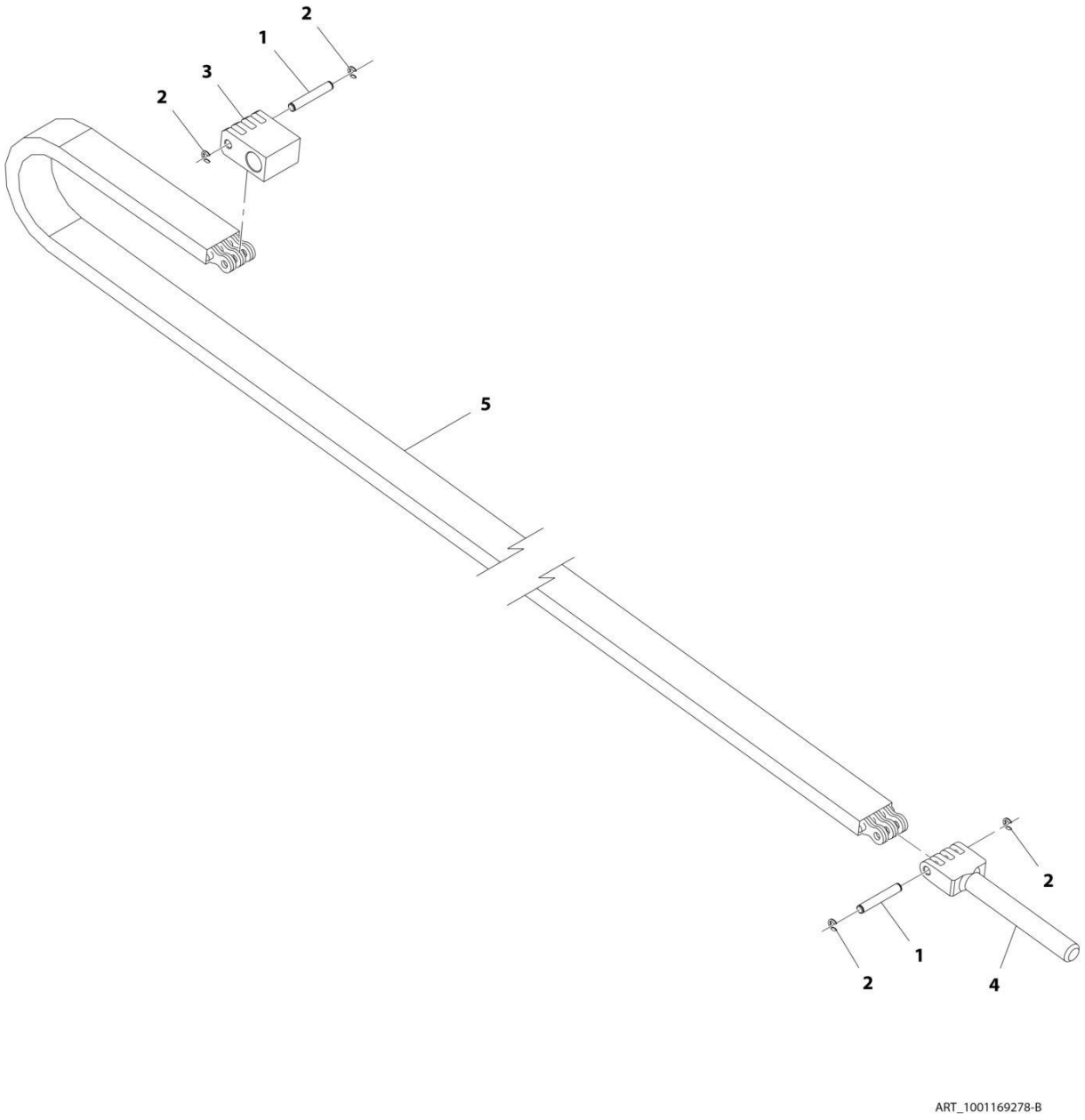


FIGURE 2-5. RETRACT CHAIN INSTALLATION

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

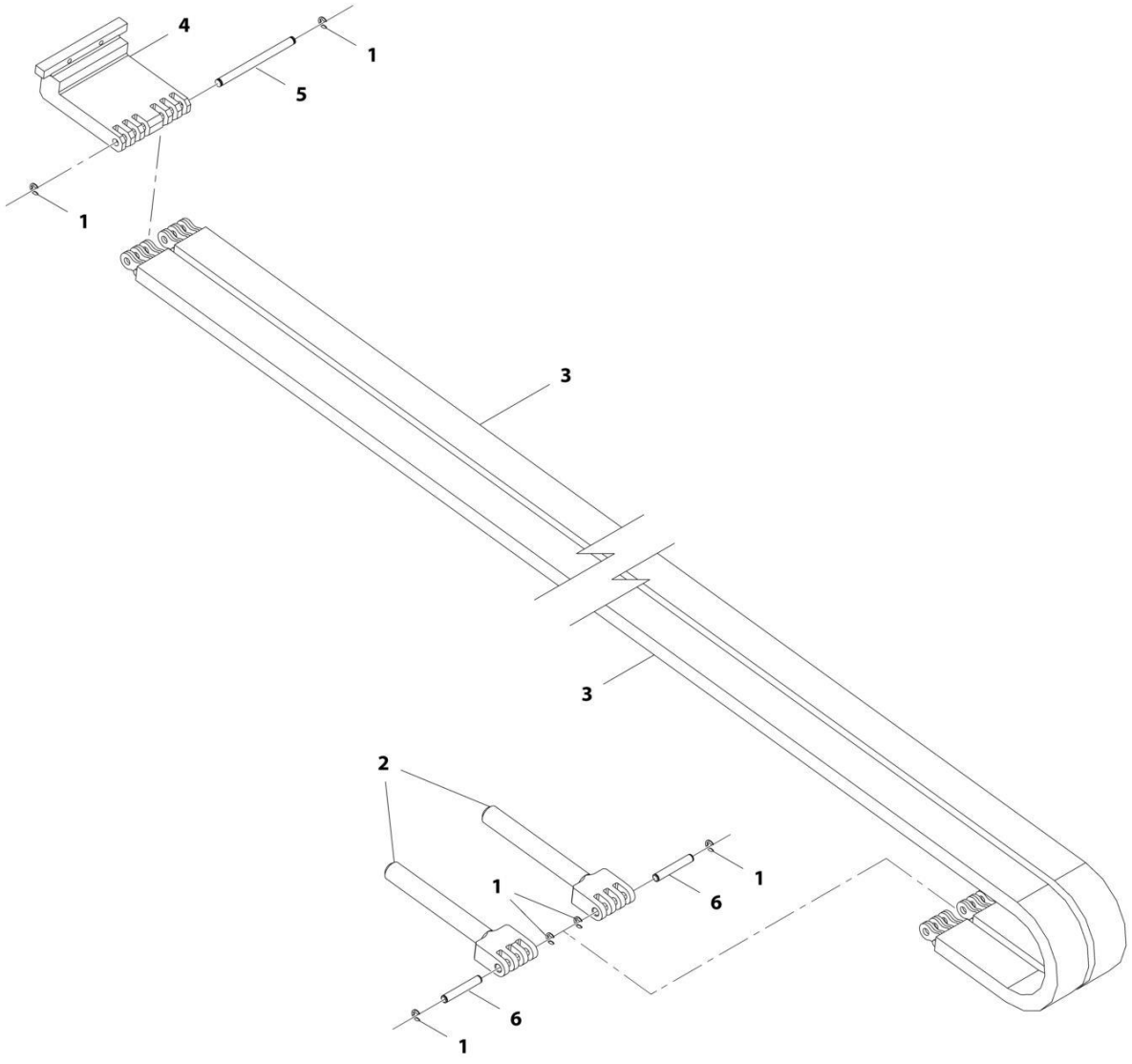


FIGURE 2-6. EXTEND CHAIN INSTALLATION

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

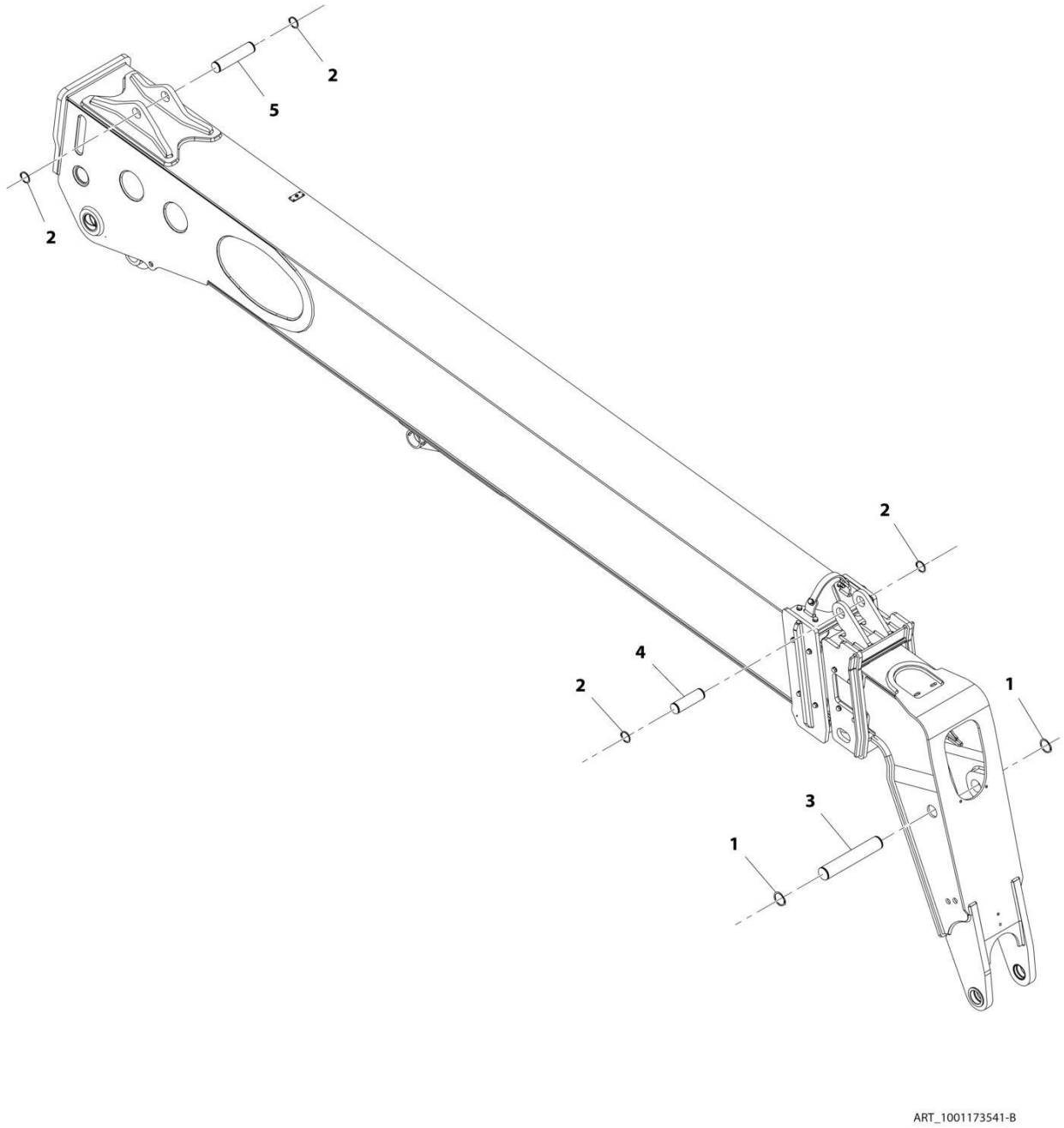


FIGURE 2-7. PINS INSTALLATION

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

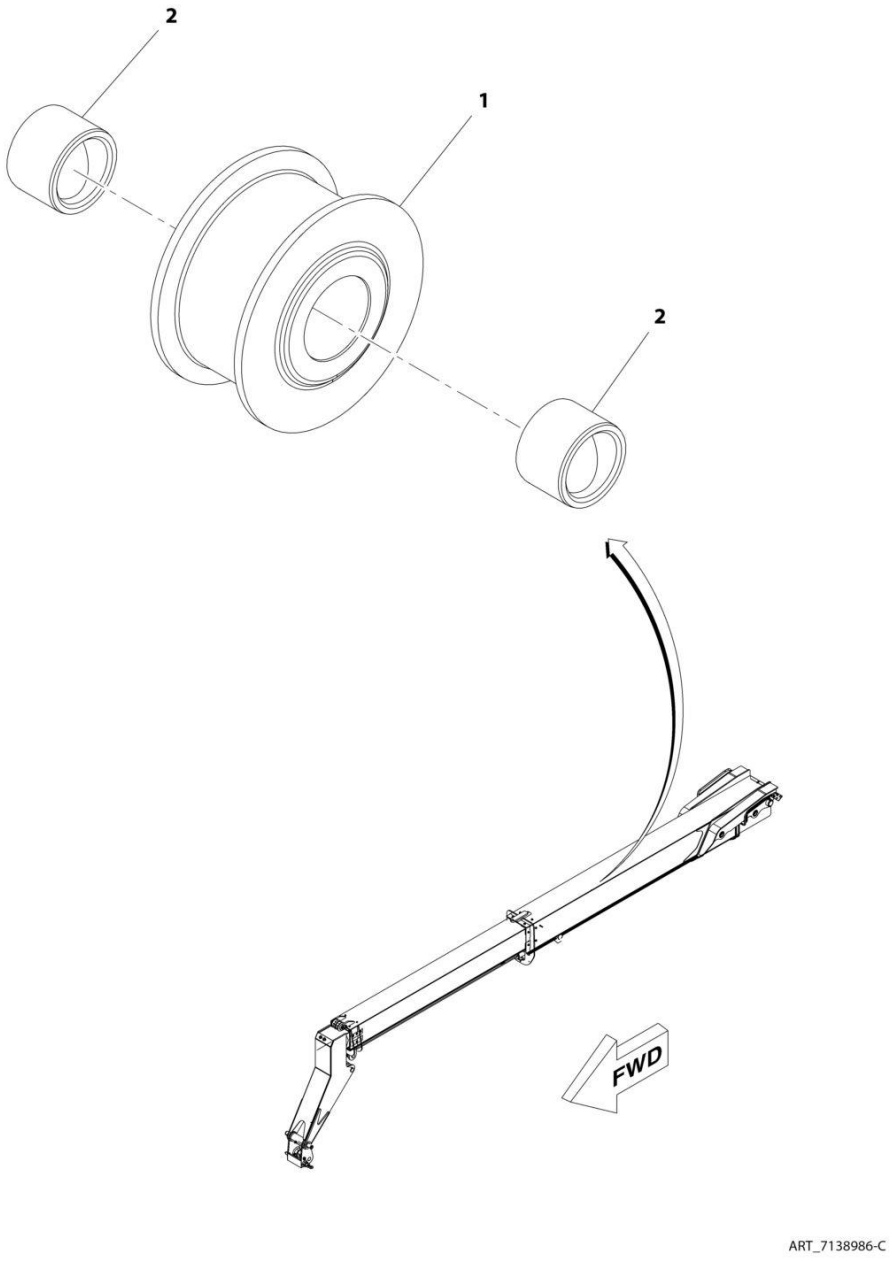


FIGURE 2-8. RETRACT CHAIN SHEAVE

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

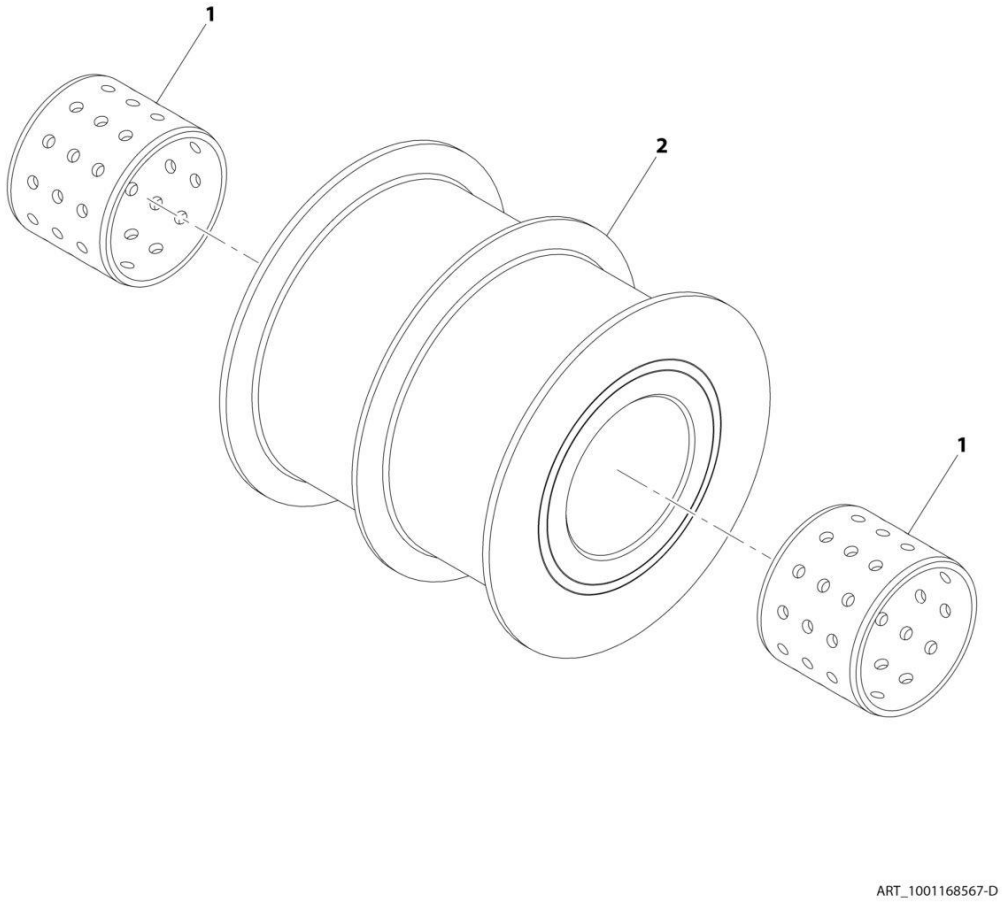


FIGURE 2-9. EXTEND CHAIN ROLLER

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

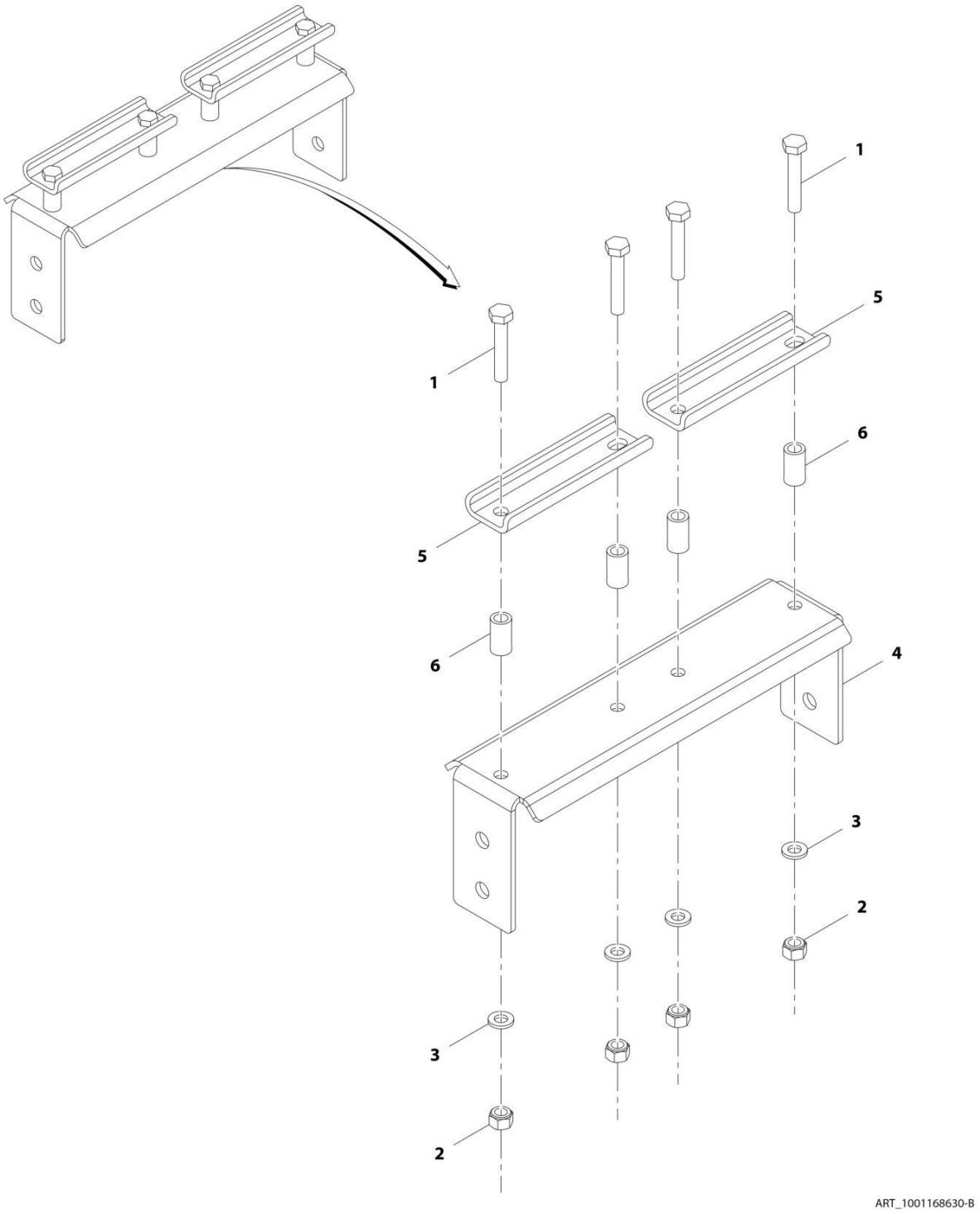


FIGURE 2-10. HOSE BRACKET INSTALLATION

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

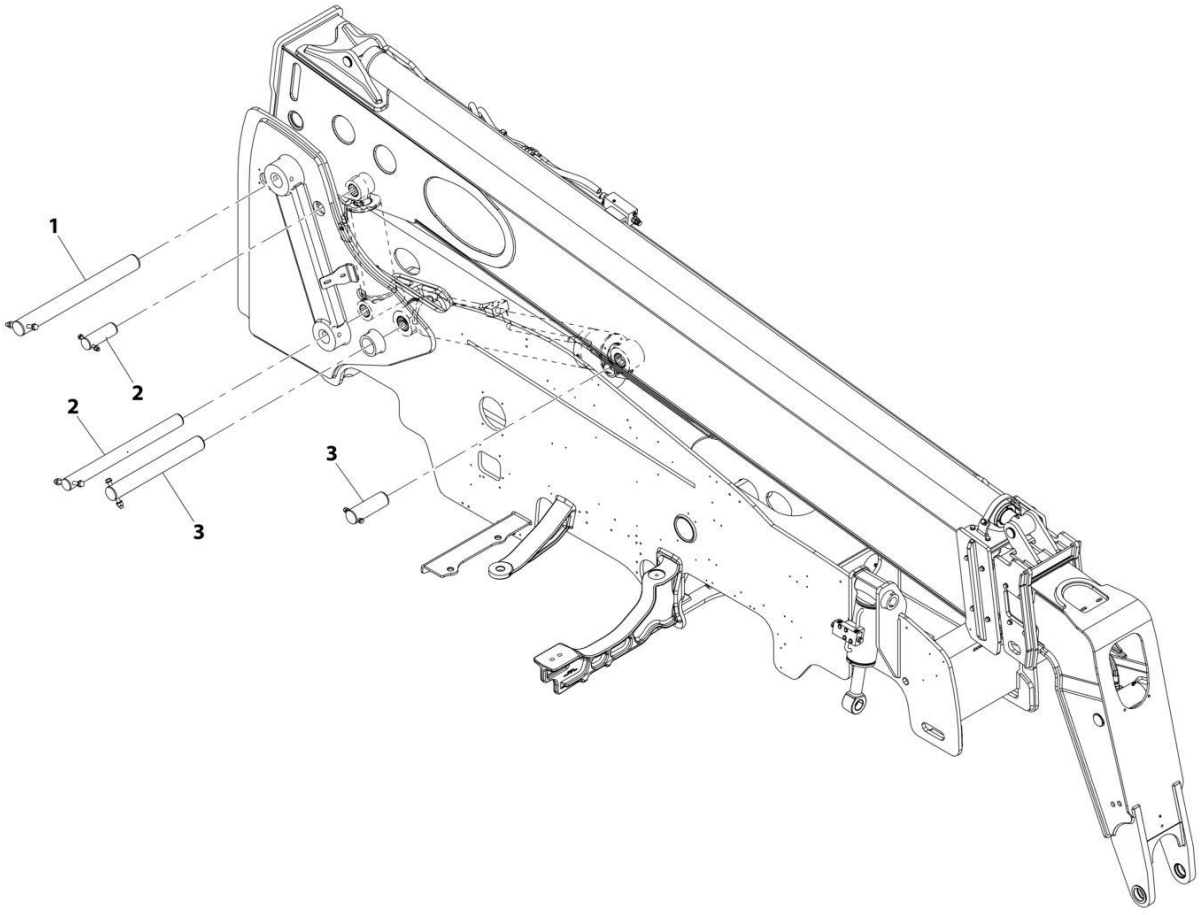
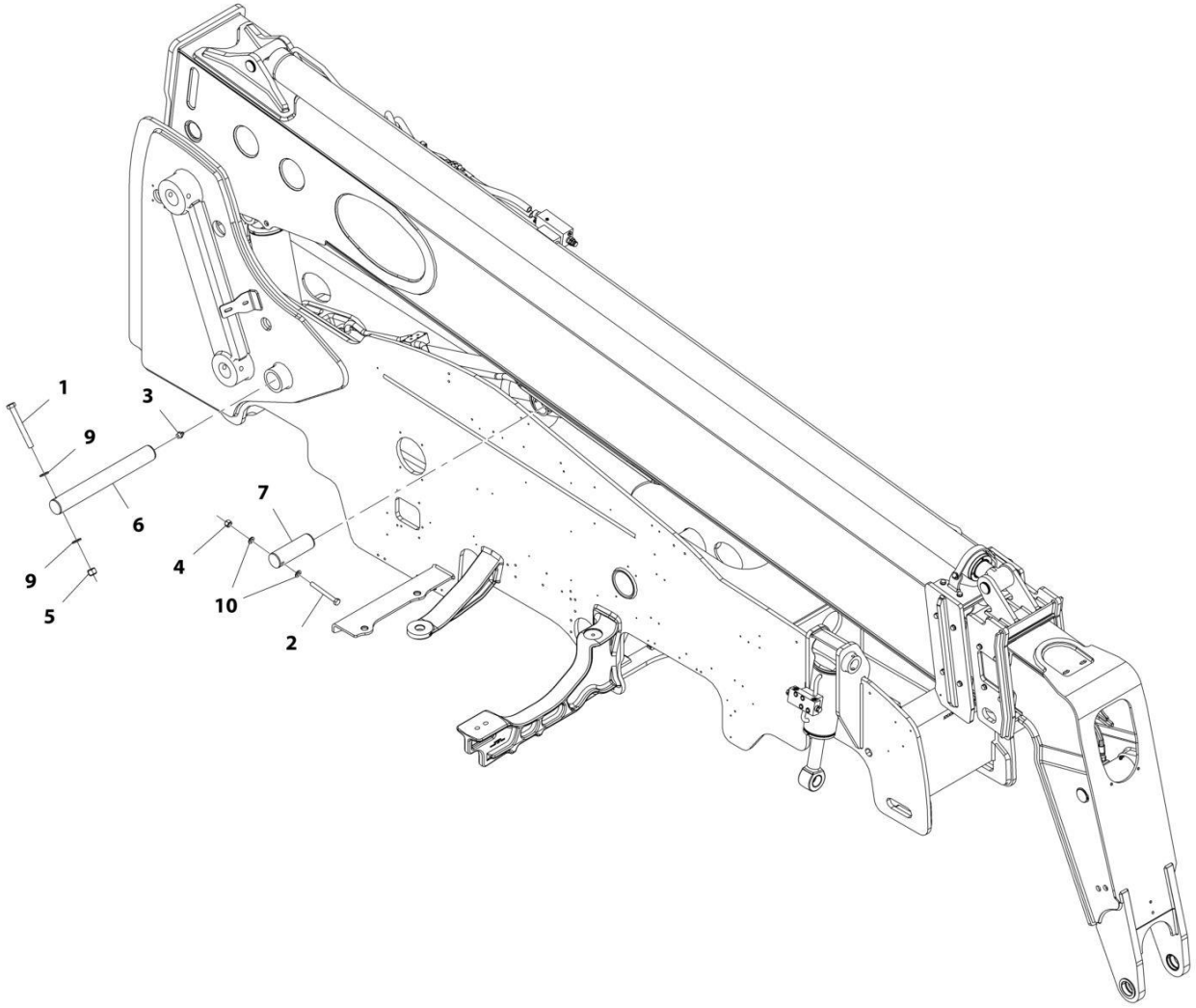


FIGURE 2-11. BOOM PINNING INSTALLATION

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

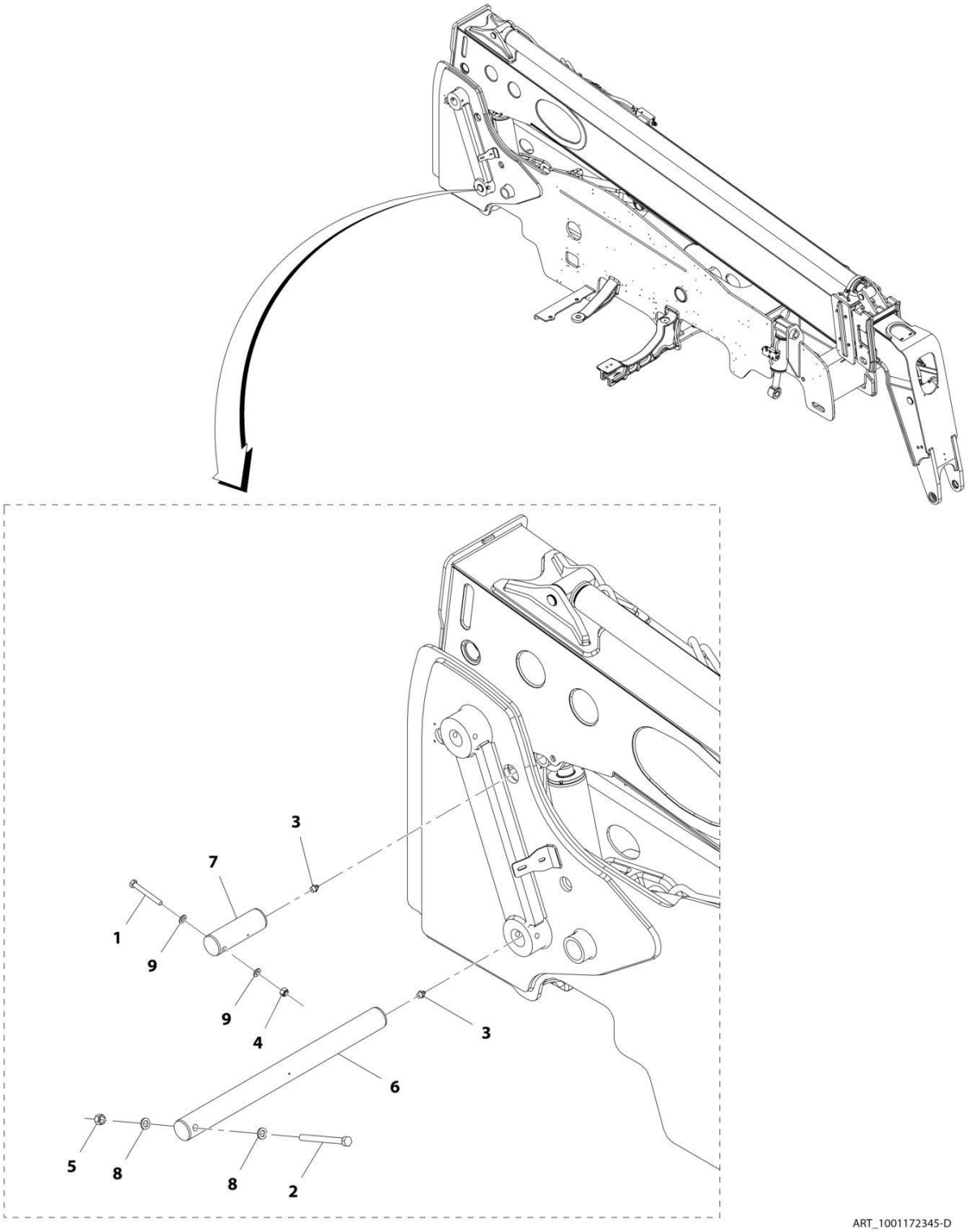


FIGURE 2-13. COMPENSATION CYLINDER PINS INSTALLATION

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

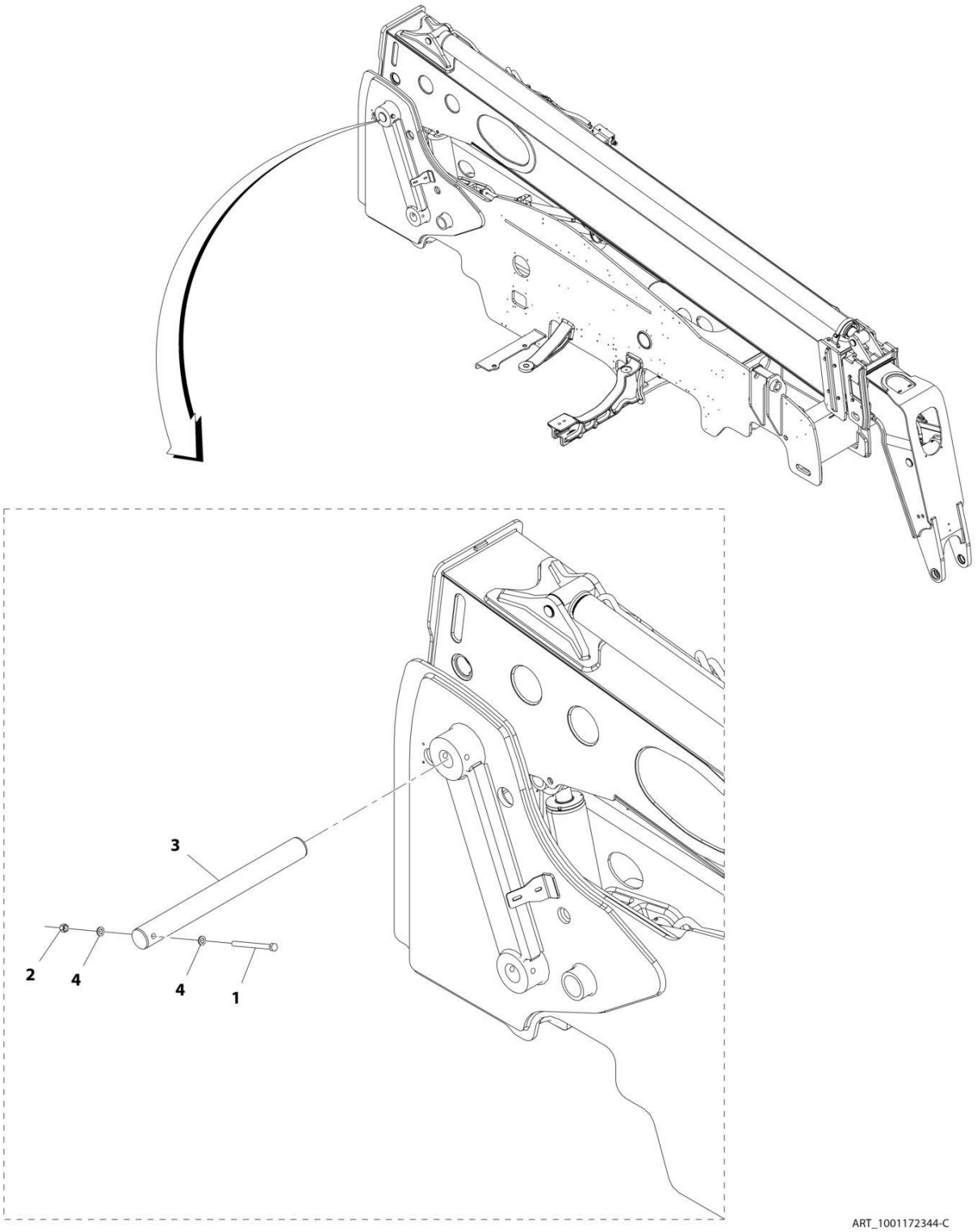


FIGURE 2-14. BOOM PIVOT PIN INSTALLATION

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

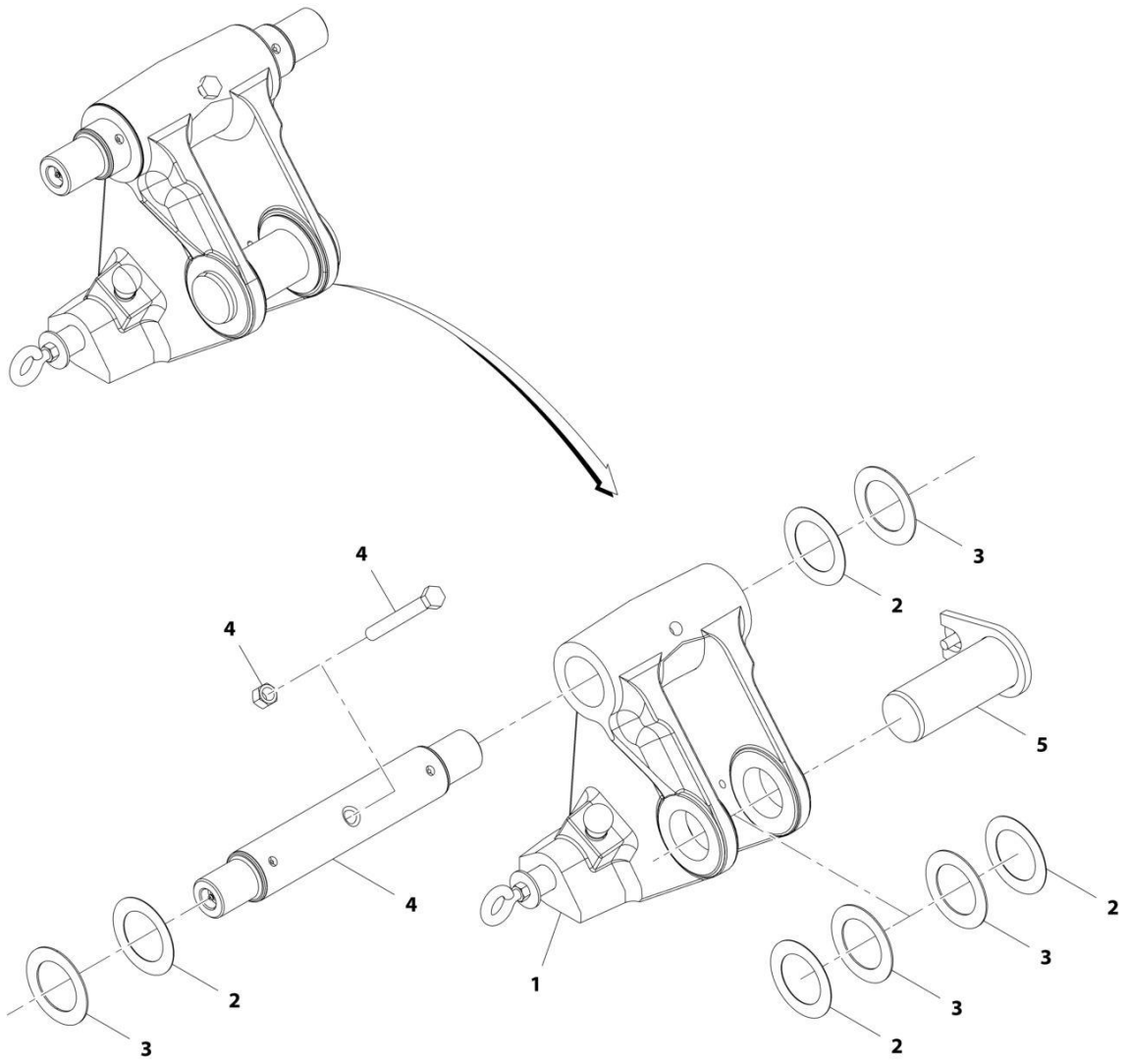


FIGURE 2-15. MANUAL QUICK COUPLER INSTALLATION

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

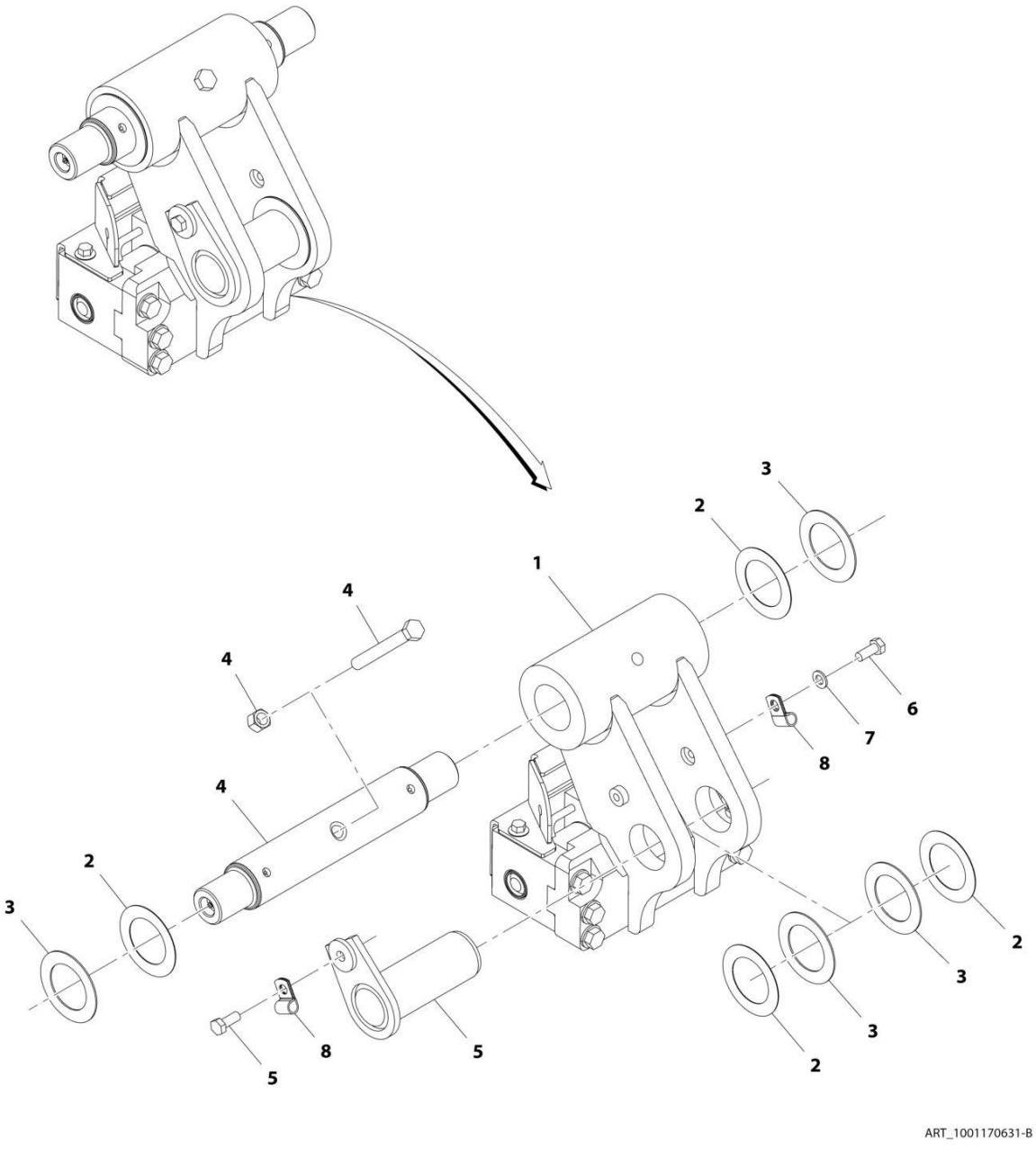


FIGURE 2-16. HYDRAULIC QUICK COUPLER INSTALLATION

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

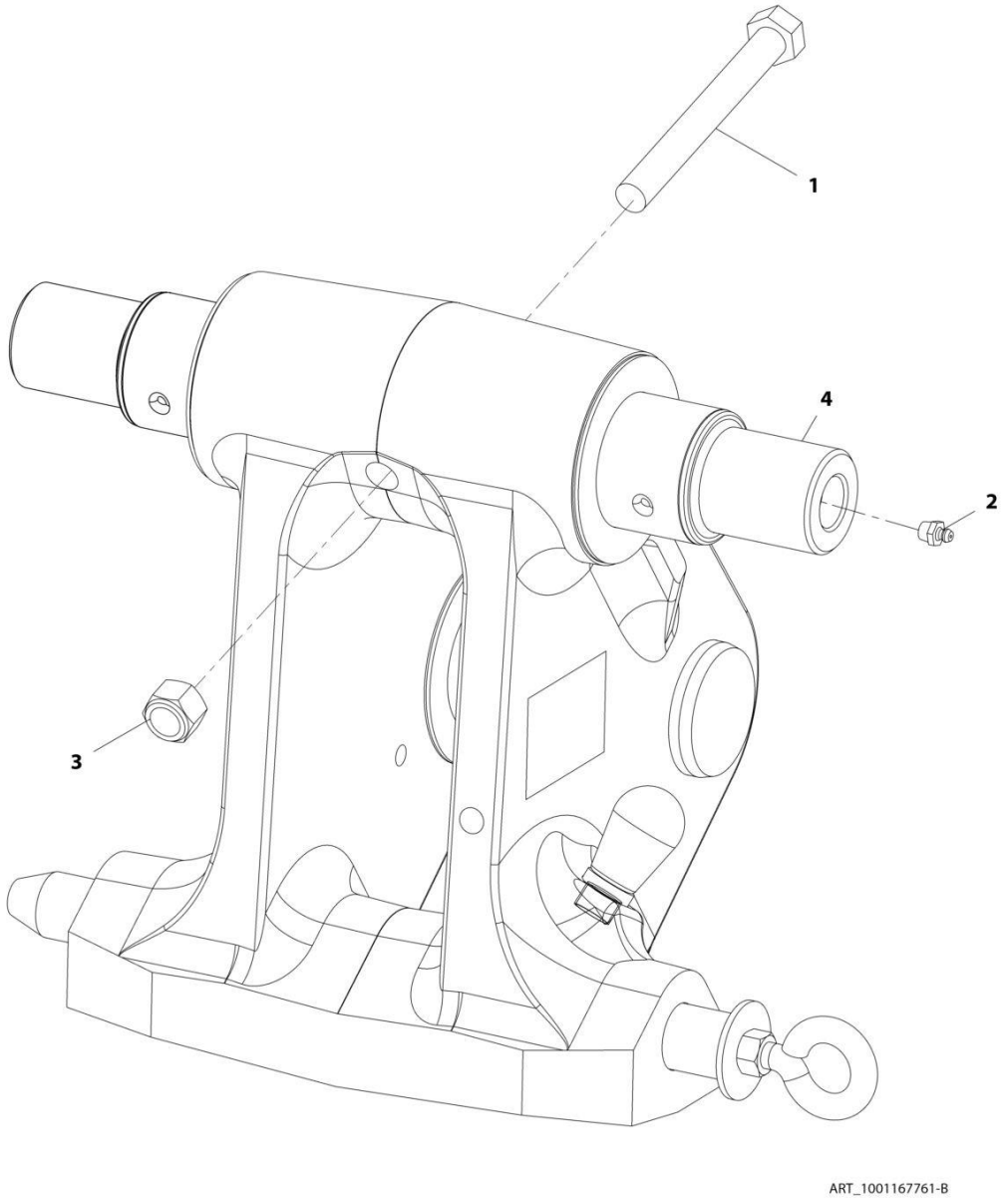


FIGURE 2-17. BOOM PIN INSTALLATION

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

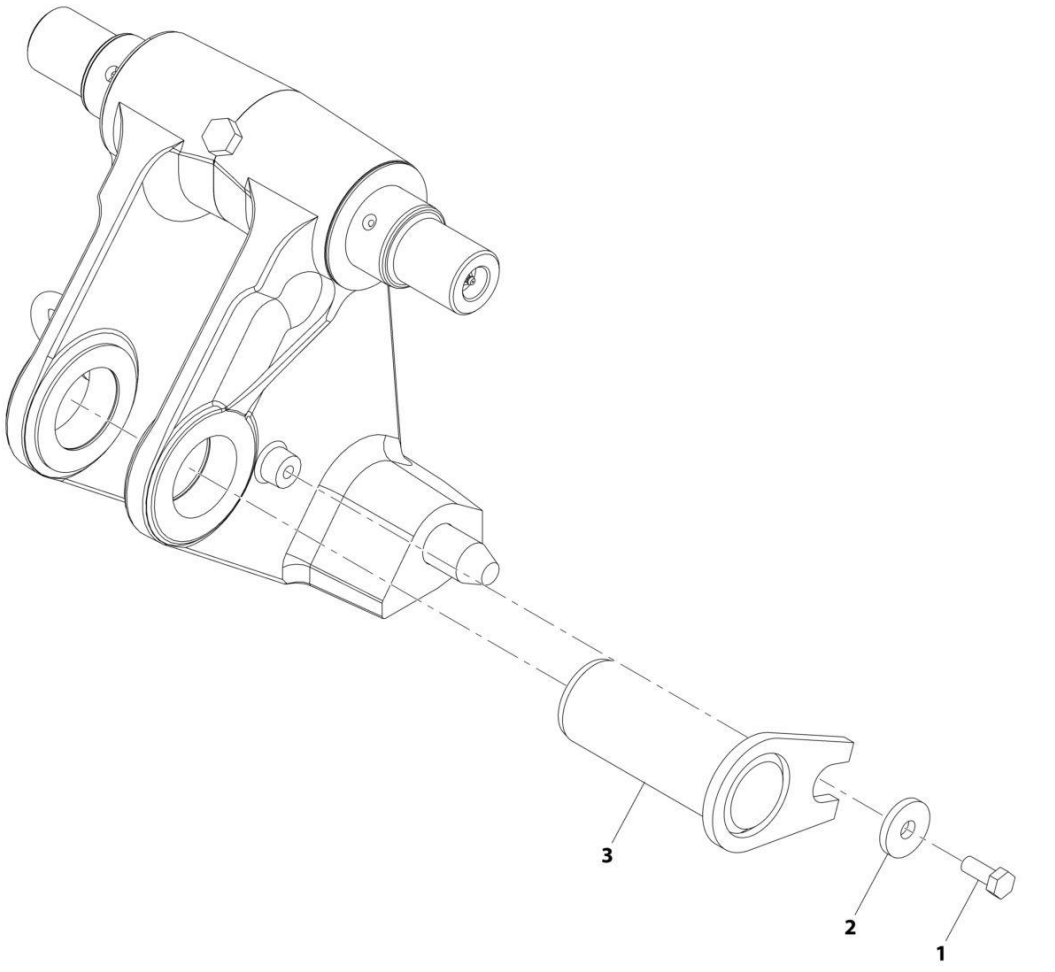


FIGURE 2-18. TILT CYLINDER PIN INSTALLATION

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

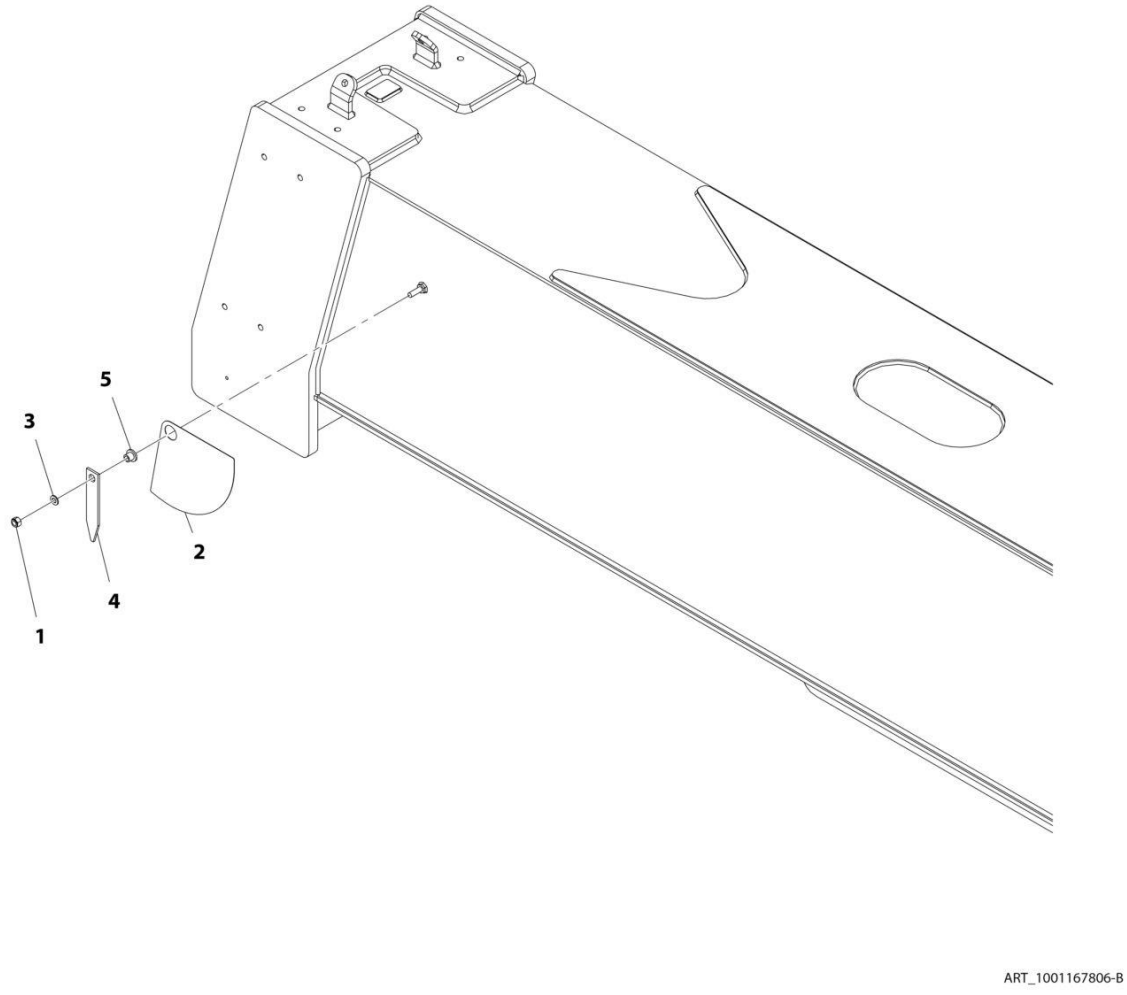


FIGURE 2-19. BOOM ANGLE INDICATOR INSTALLATION

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

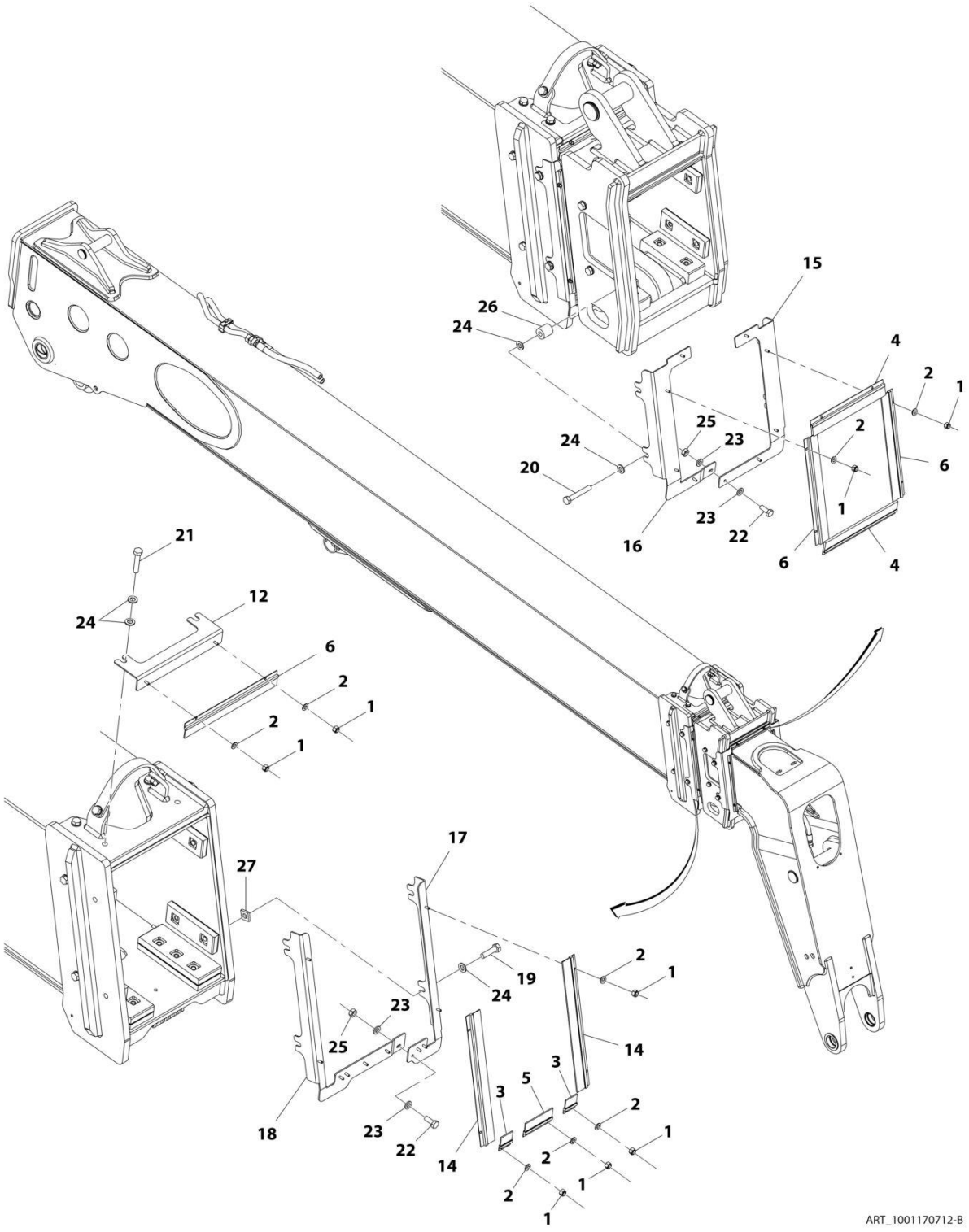


FIGURE 2-20. BOOM BRUSHES INSTALLATION

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 COUPLER ASSEMBLY

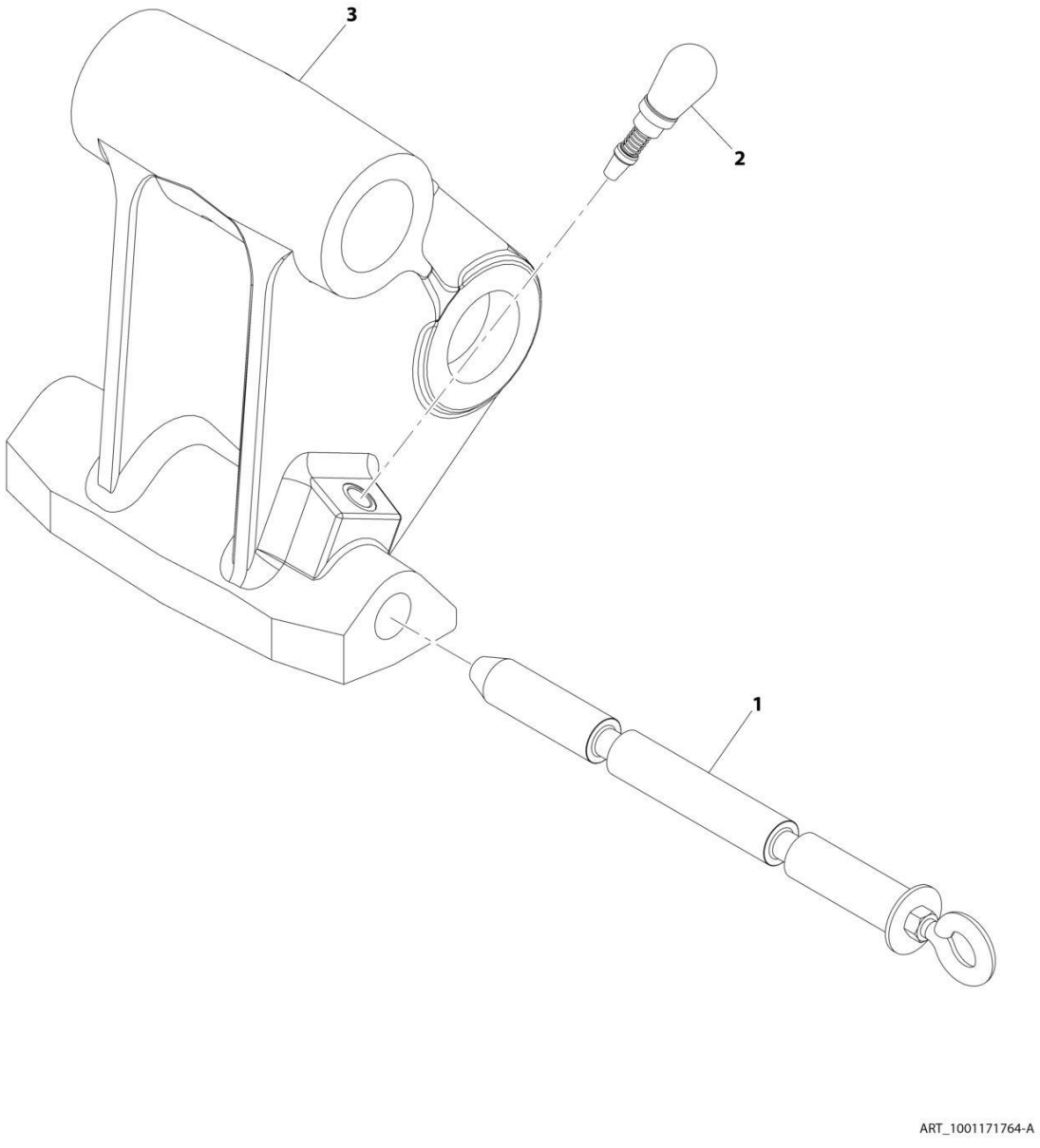
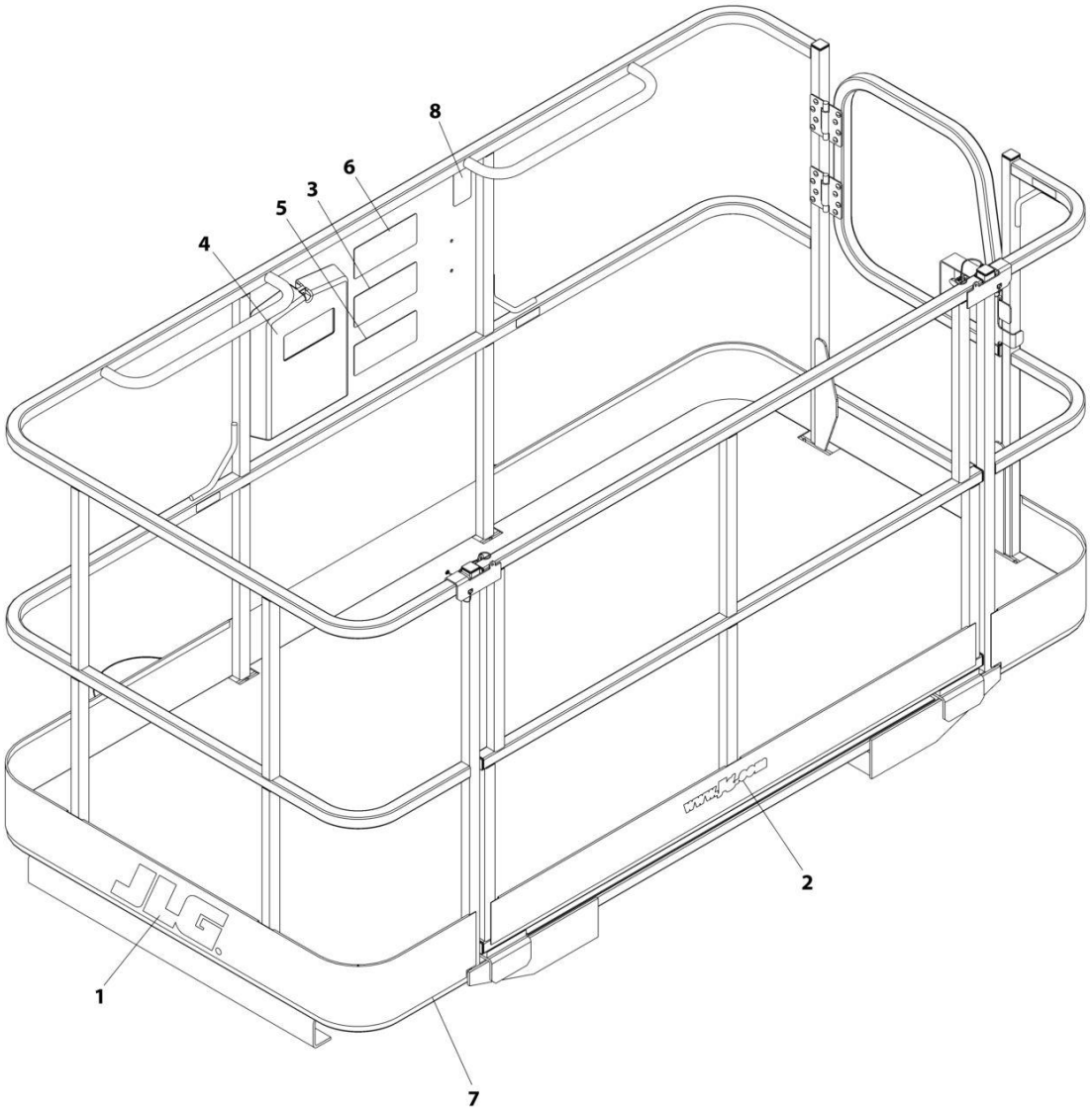


FIGURE 2-21. QUICK COUPLER ASSEMBLY

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)



ART_1001238653-A

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)

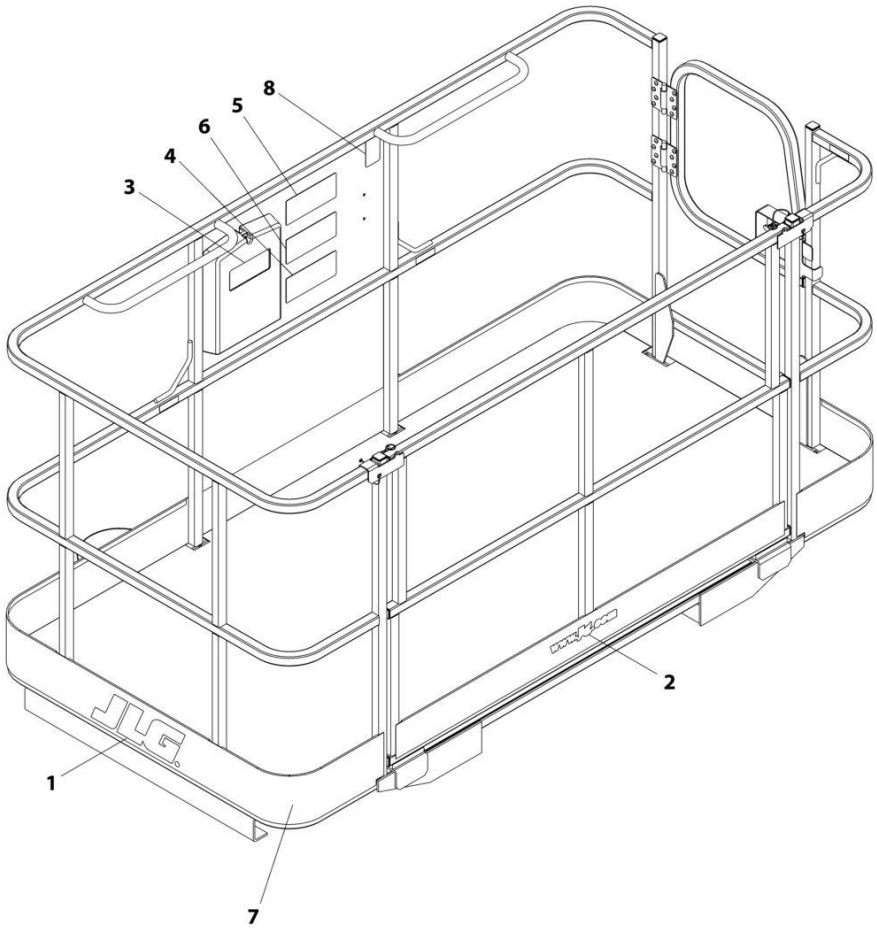


FIGURE 3-2. BASKET, PERSONNEL - 4FT X 8FT (DOMESTIC)

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)

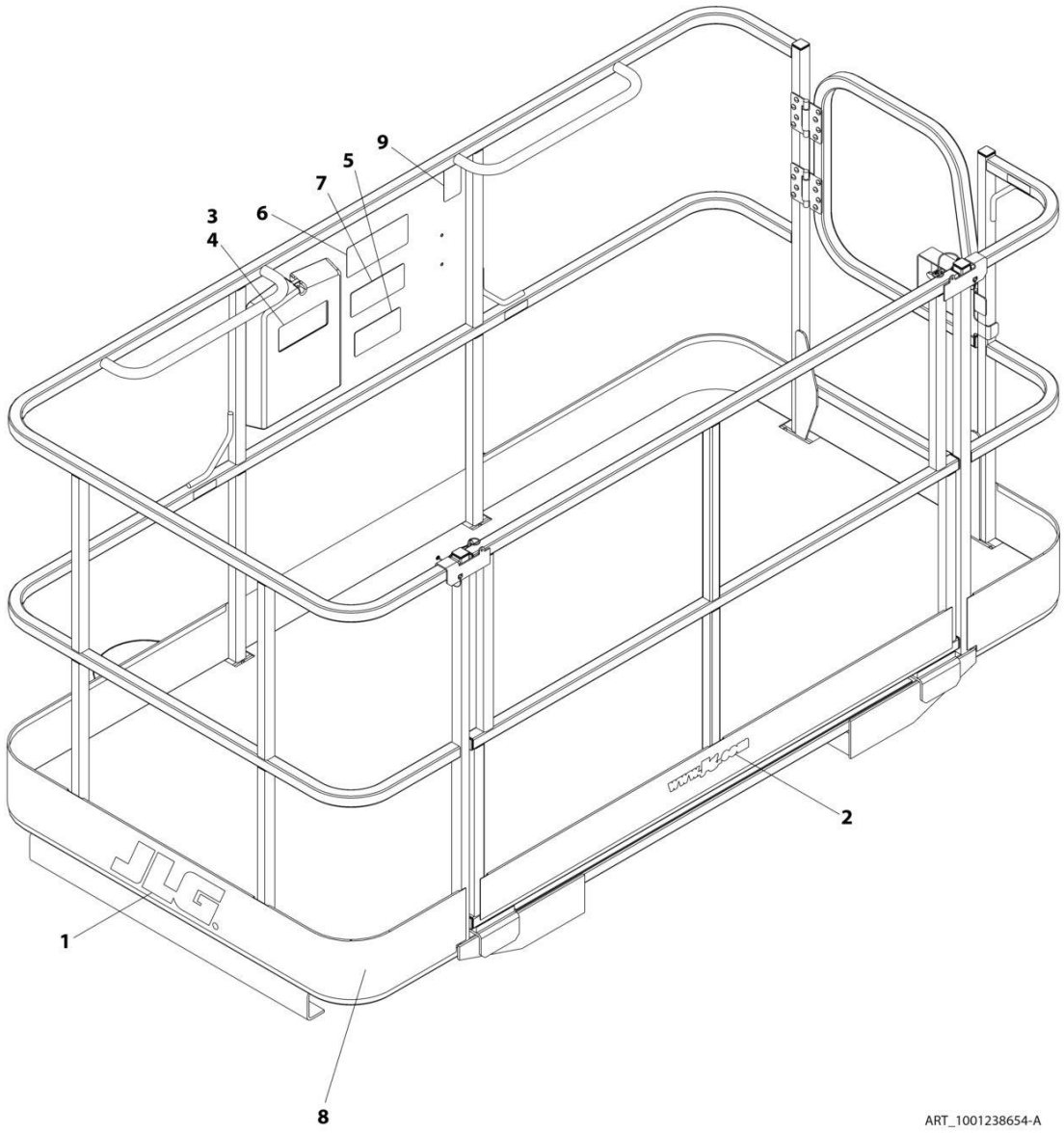


FIGURE 3-3. BASKET, PERSONNEL - 4FT X 8FT (ISO)

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

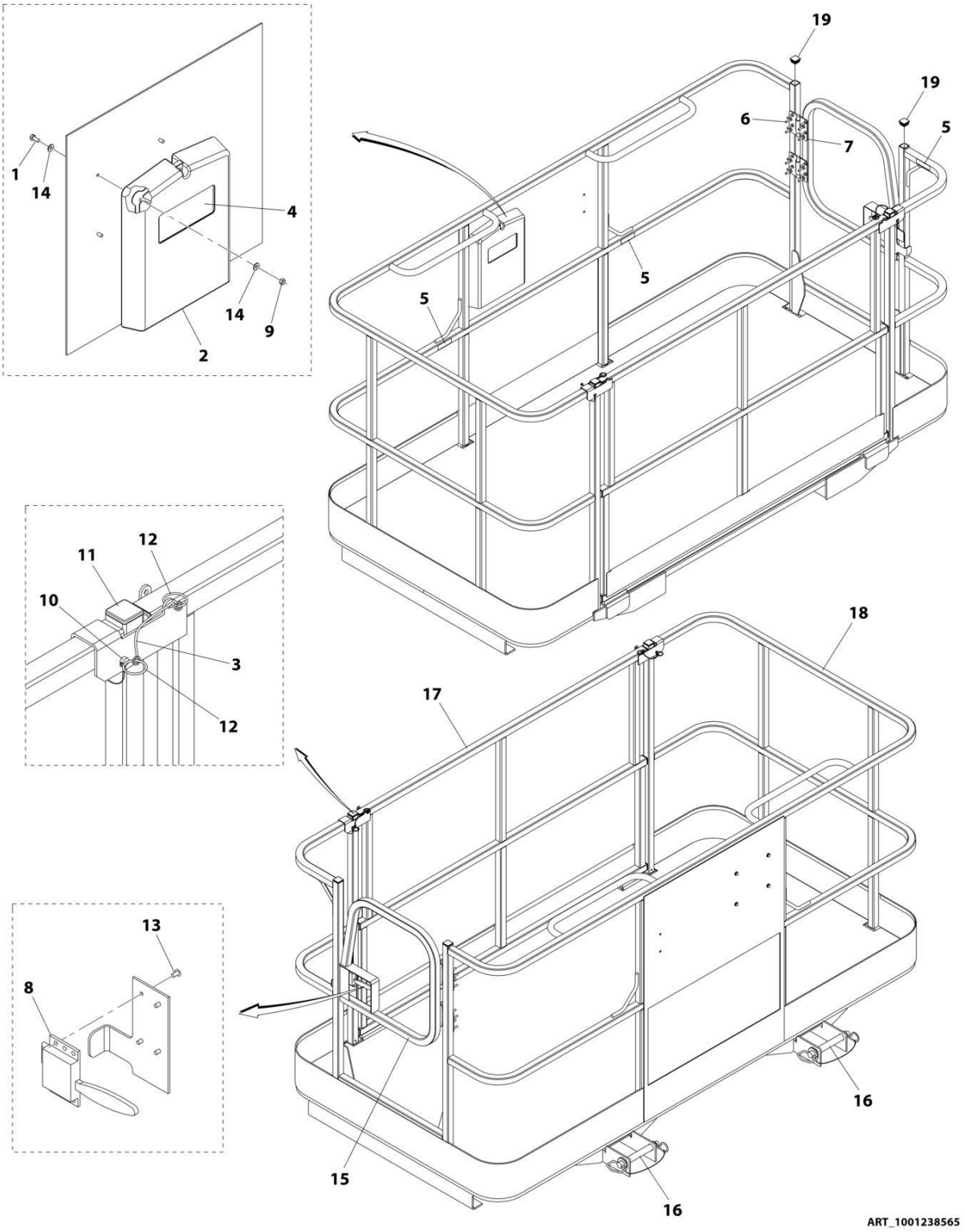


FIGURE 3-4. BASKET, FORK MOUNTED

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)

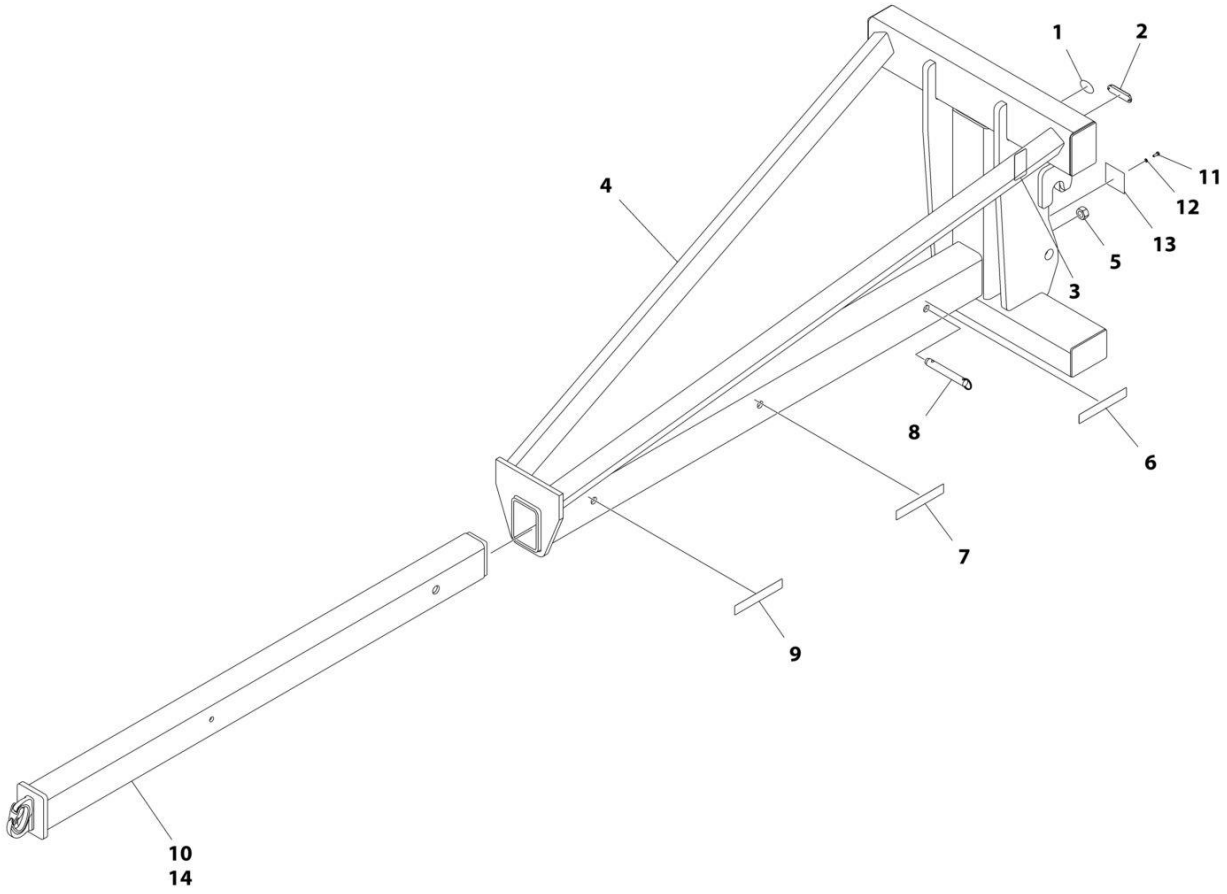


FIGURE 3-5. BOOM - ADJUSTABLE (CARRIAGE MOUNTED)

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)

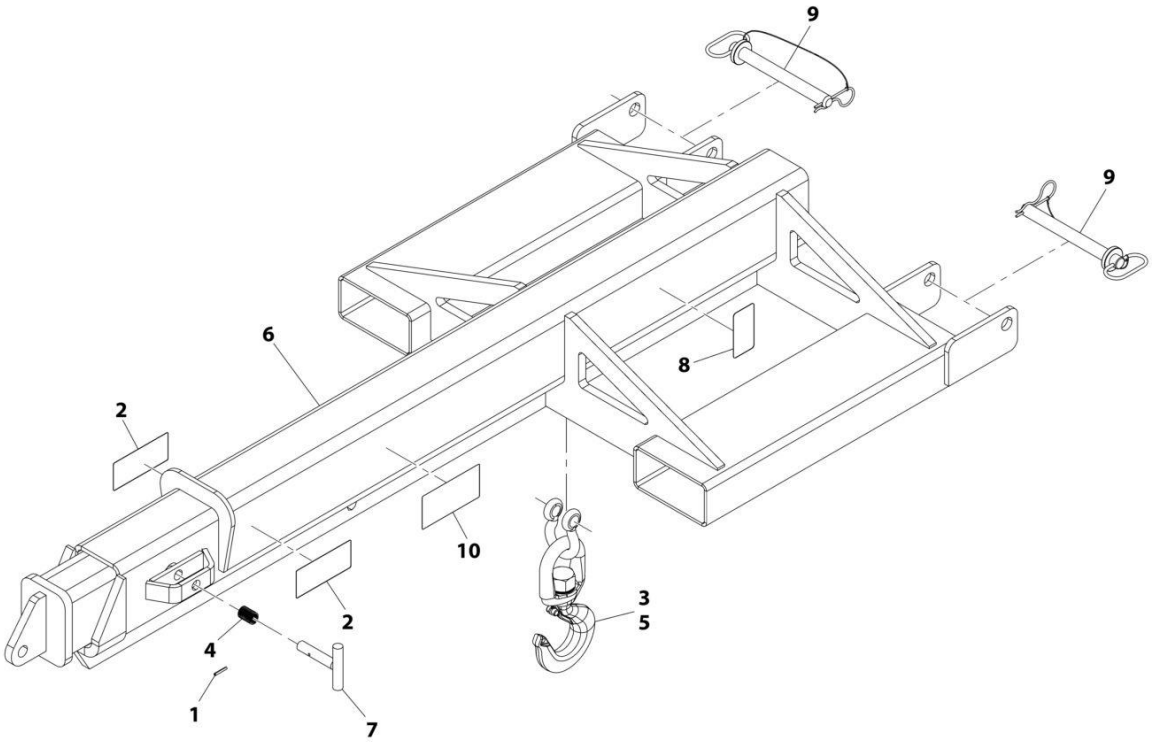


FIGURE 3-6. BOOM - ADJUSTABLE (FORK MOUNTED)

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

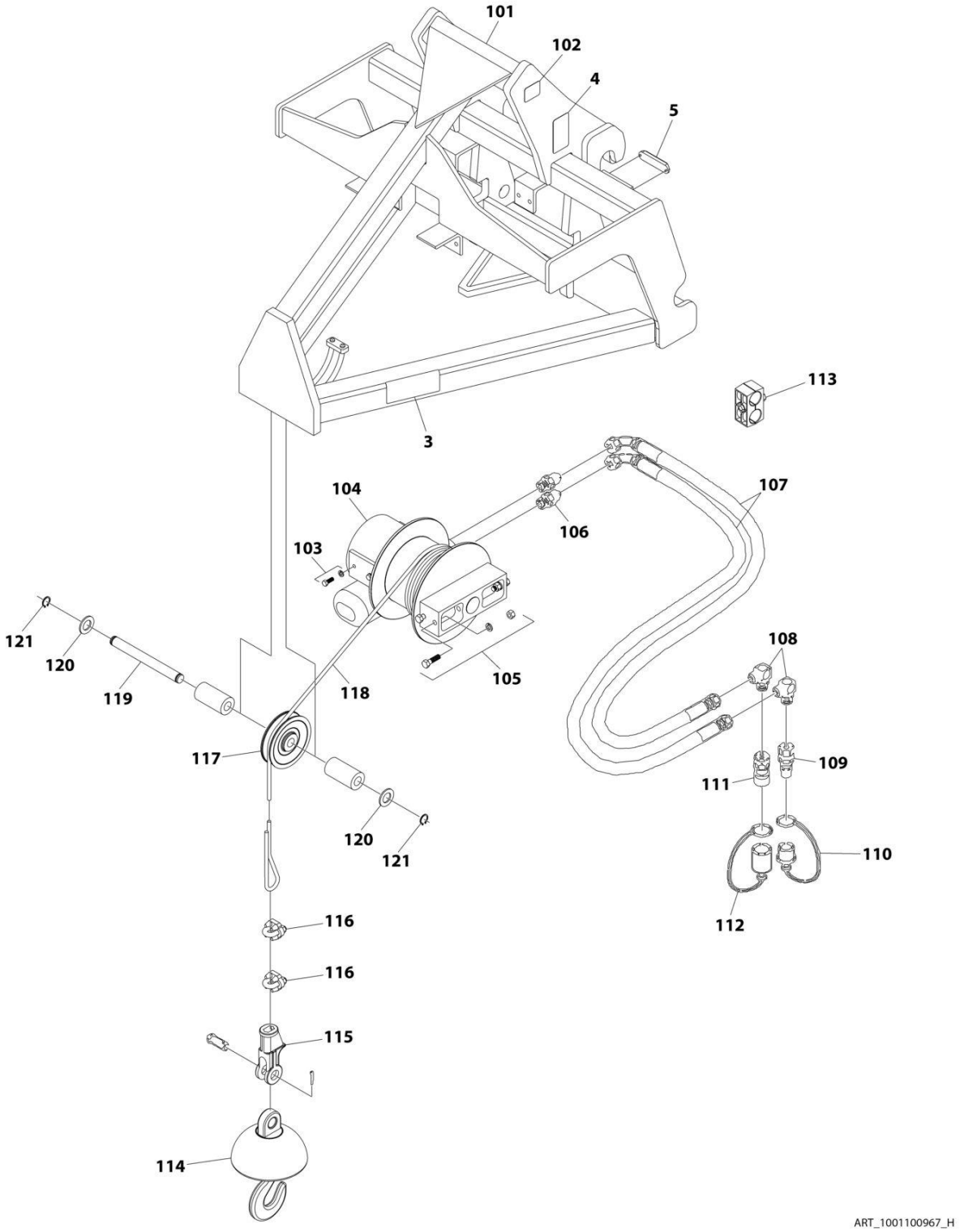


FIGURE 3-7. BOOM - 3FT WITH WINCH

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 WITHOUT WINCH

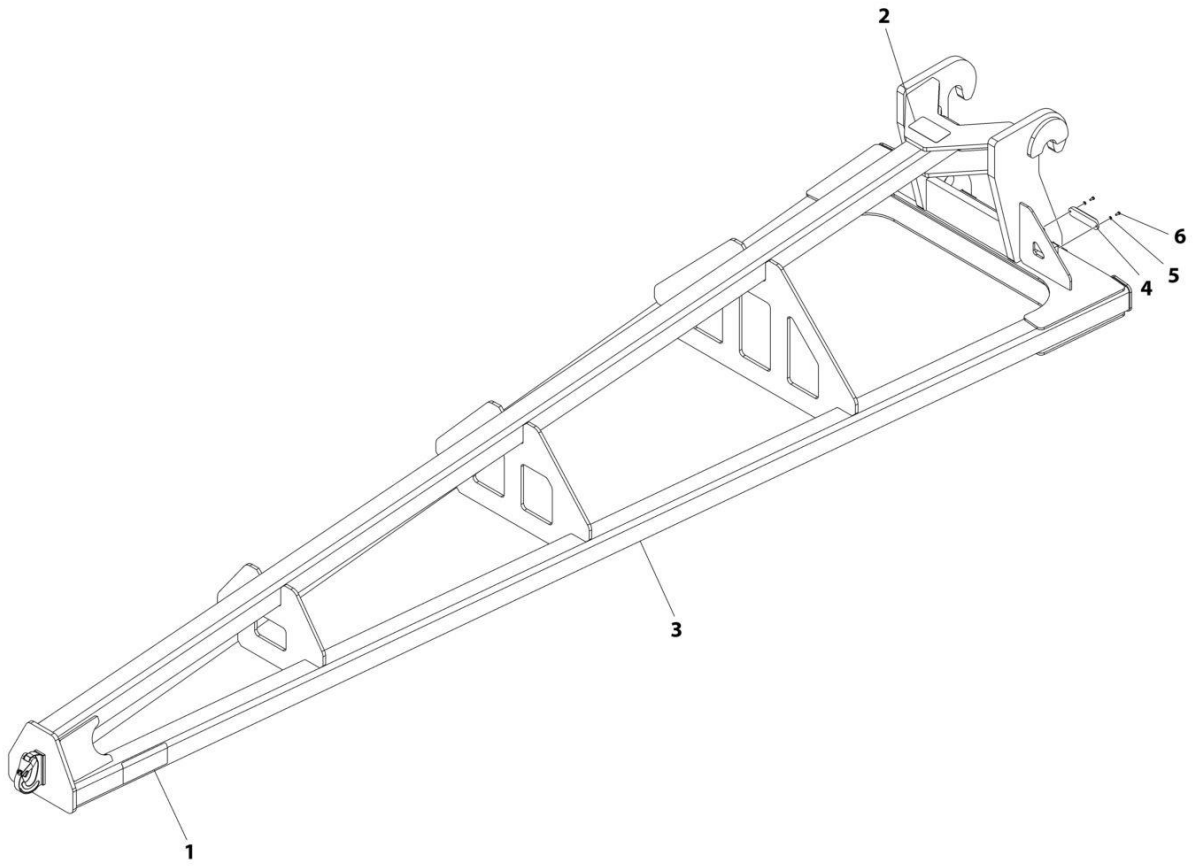


FIGURE 3-8. BOOM - 12FT WITHOUT WINCH

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 3-9. BOOM - 12FT WITH WINCH

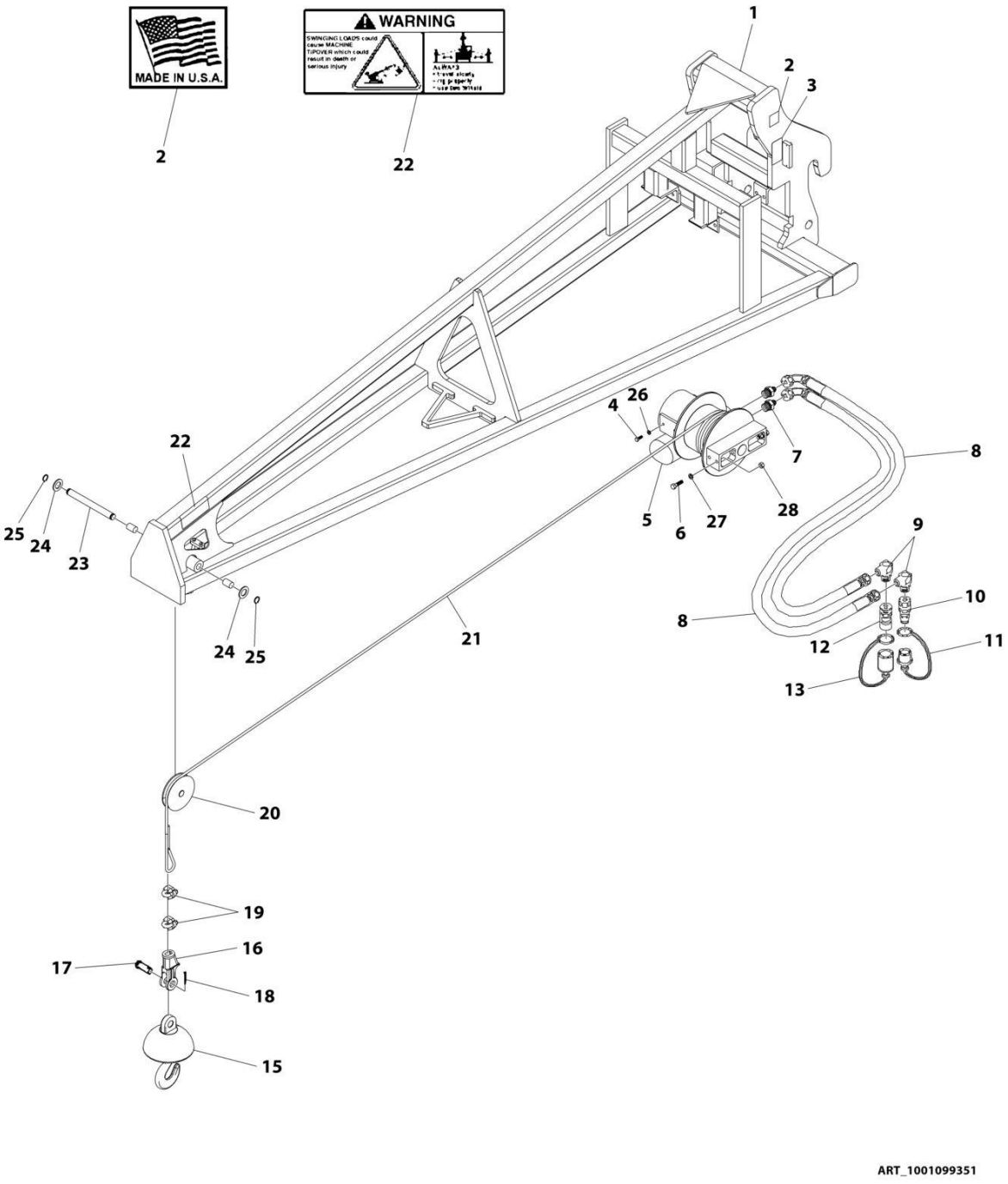


FIGURE 3-9. BOOM - 12FT WITH WINCH

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 3-10. BOOM - 15FT WITHOUT WINCH

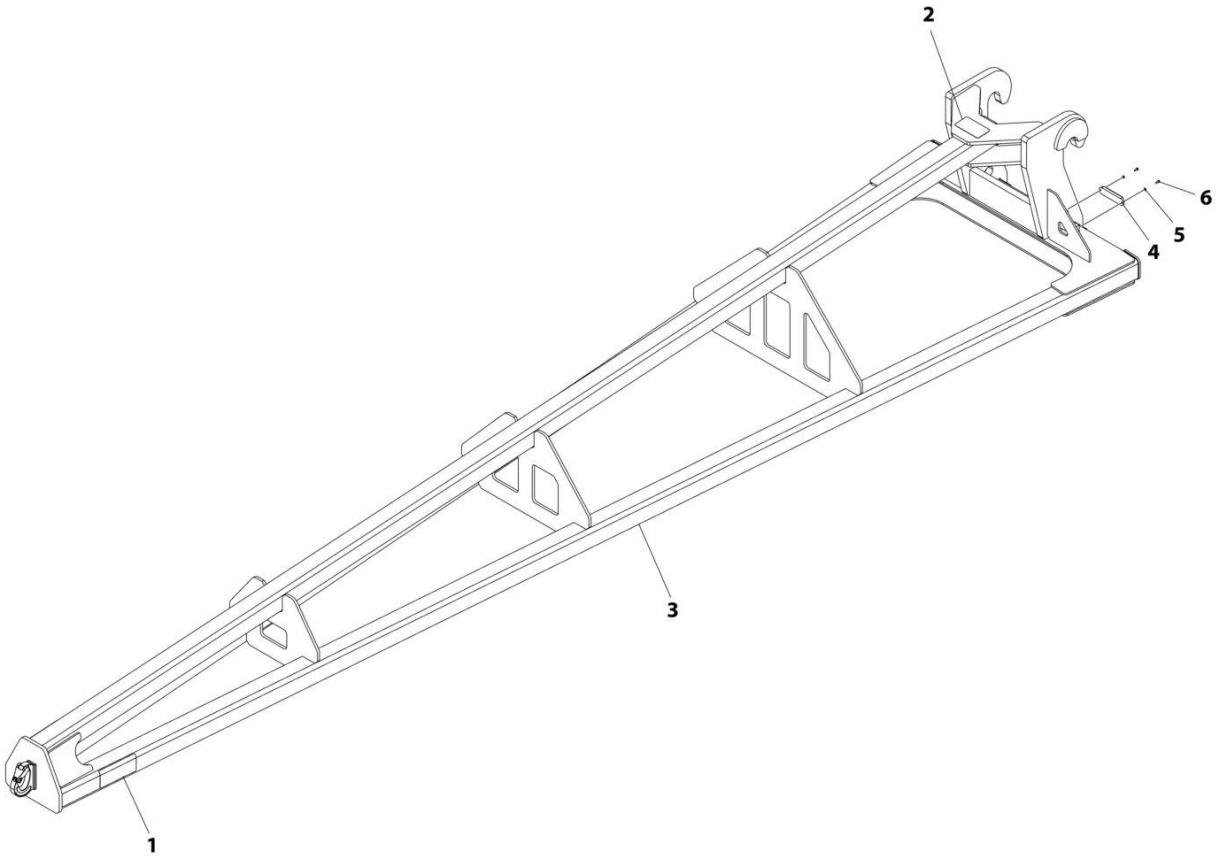


FIGURE 3-10. BOOM - 15FT WITHOUT WINCH

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

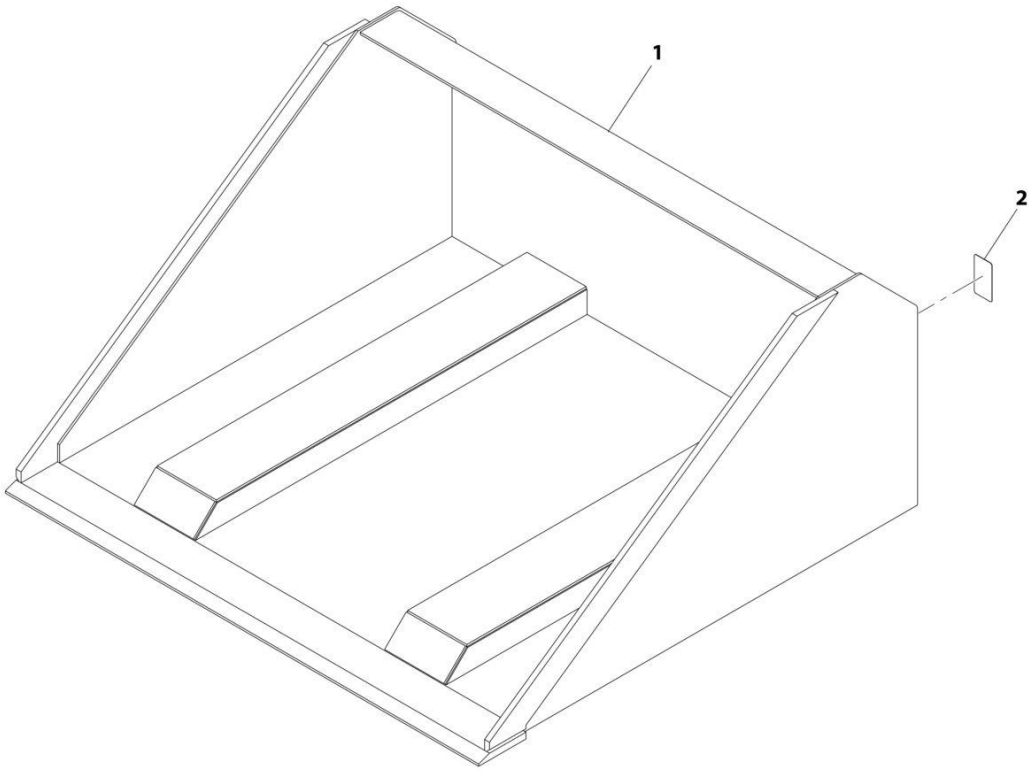


FIGURE 3-11. BUCKET - 60IN (1.3 CU YD) (FORK MOUNTED)

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 3-12. BUCKET - 72IN (1.0 CU YD)

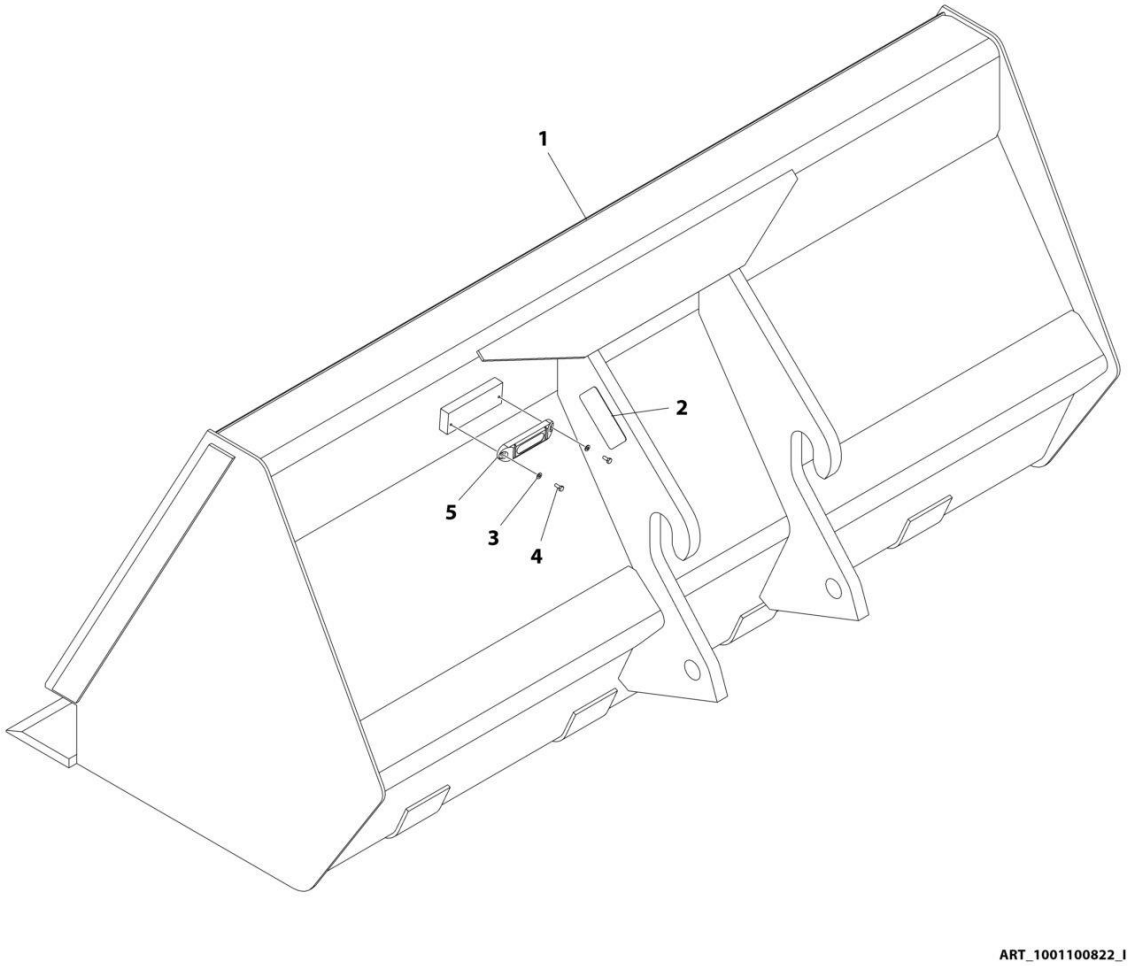


FIGURE 3-12. BUCKET - 72IN (1.0 CU YD)

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 3-13. BUCKET - 96IN (1.5 CU YD)

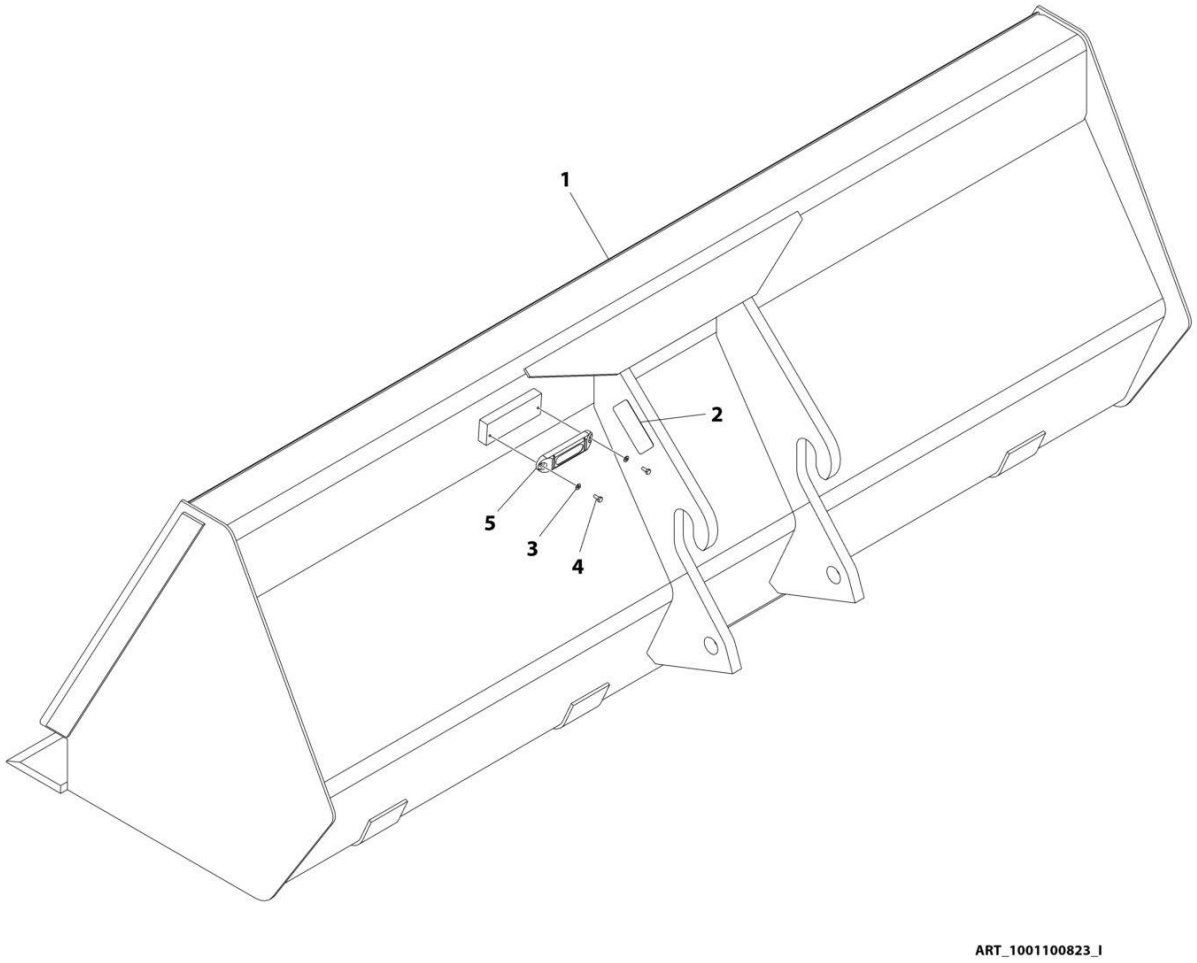


FIGURE 3-13. BUCKET - 96IN (1.5 CU YD)

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 3-14. BUCKET - 96IN GRAPPLE

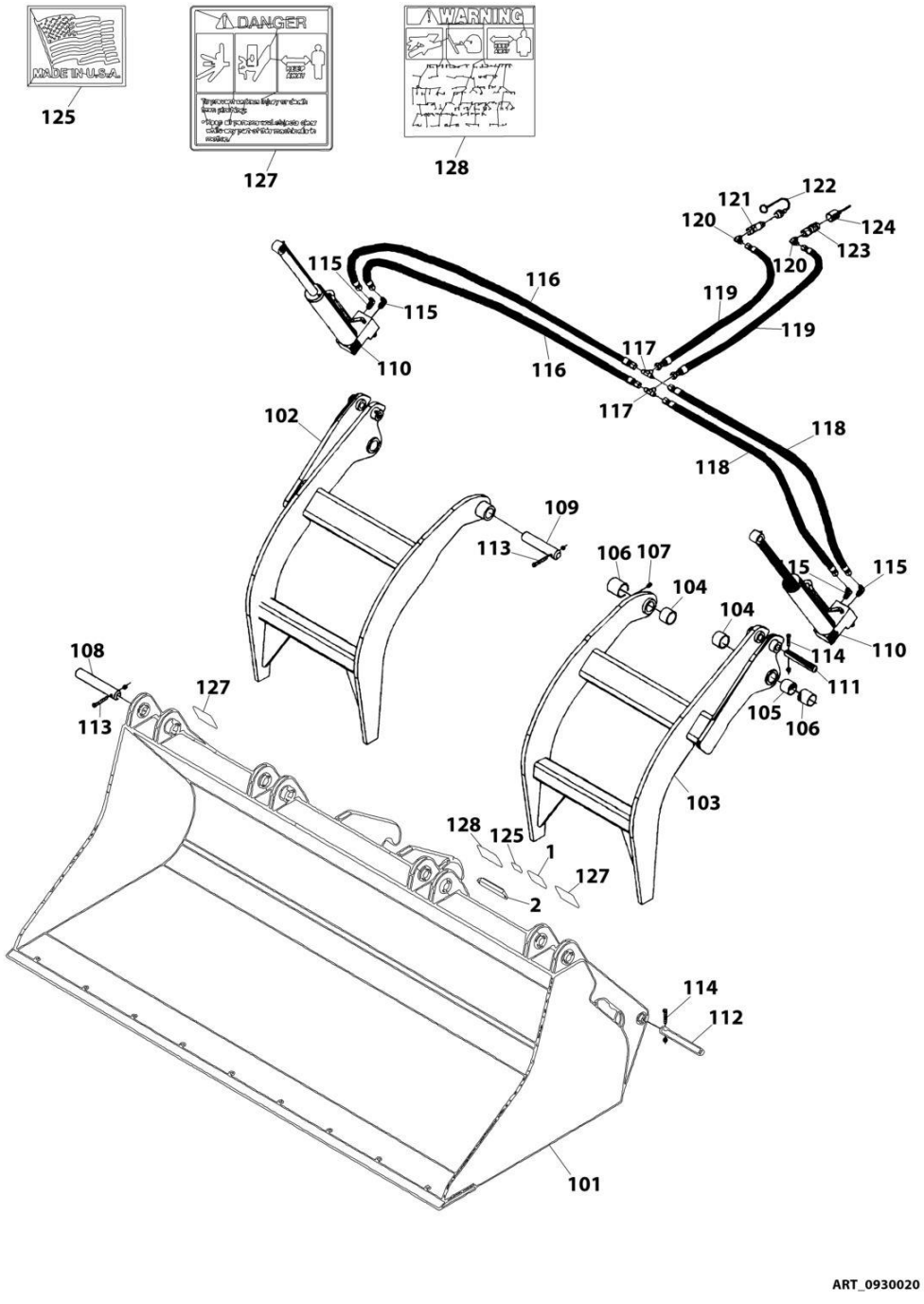


FIGURE 3-14. BUCKET - 96IN GRAPPLE

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 3-15. BUCKET - 102IN (2.0 CU YD)

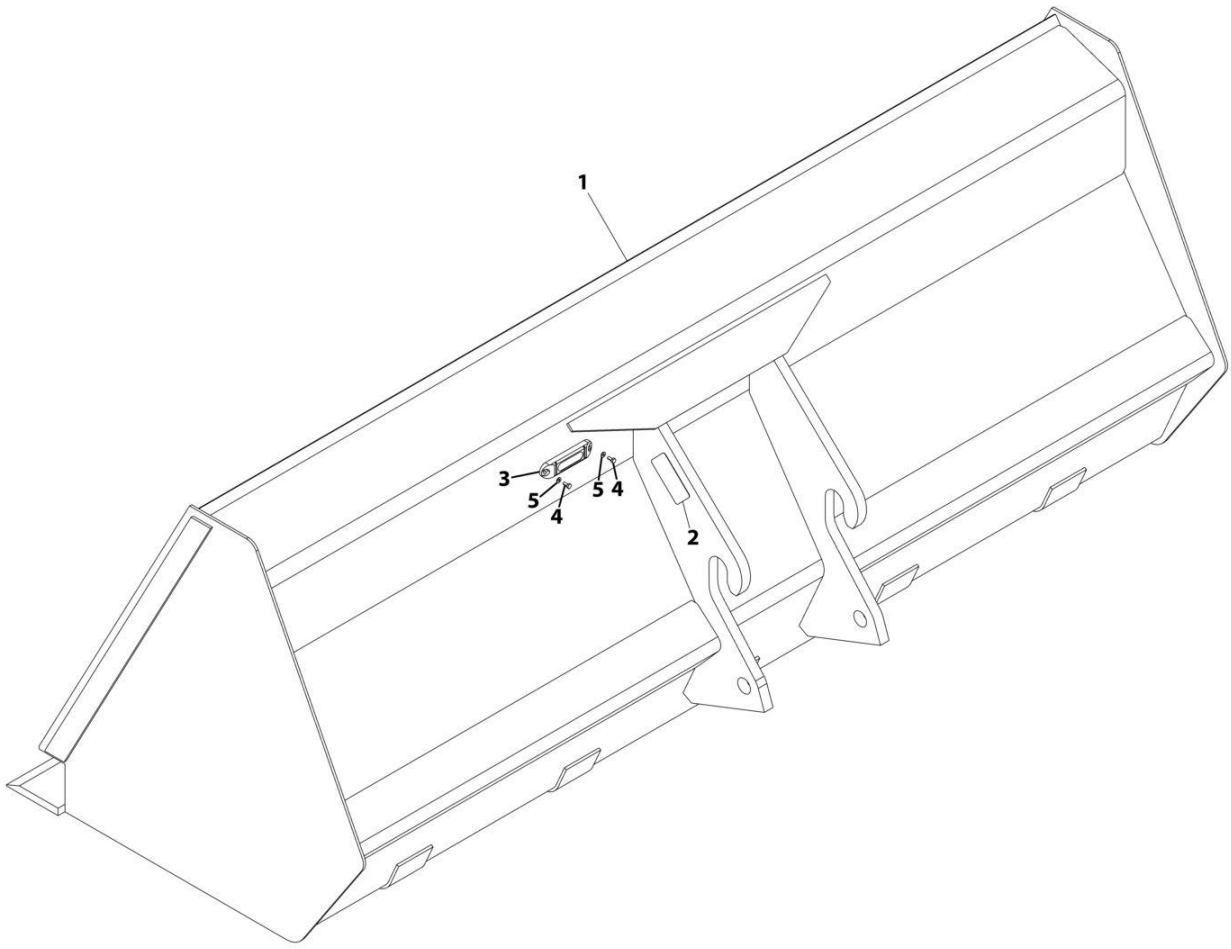


FIGURE 3-15. BUCKET - 102IN (2.0 CU YD)

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 3-16. CARRIAGE ASSEMBLY - 48IN/12000# CAPICITY SIDE SHIFT

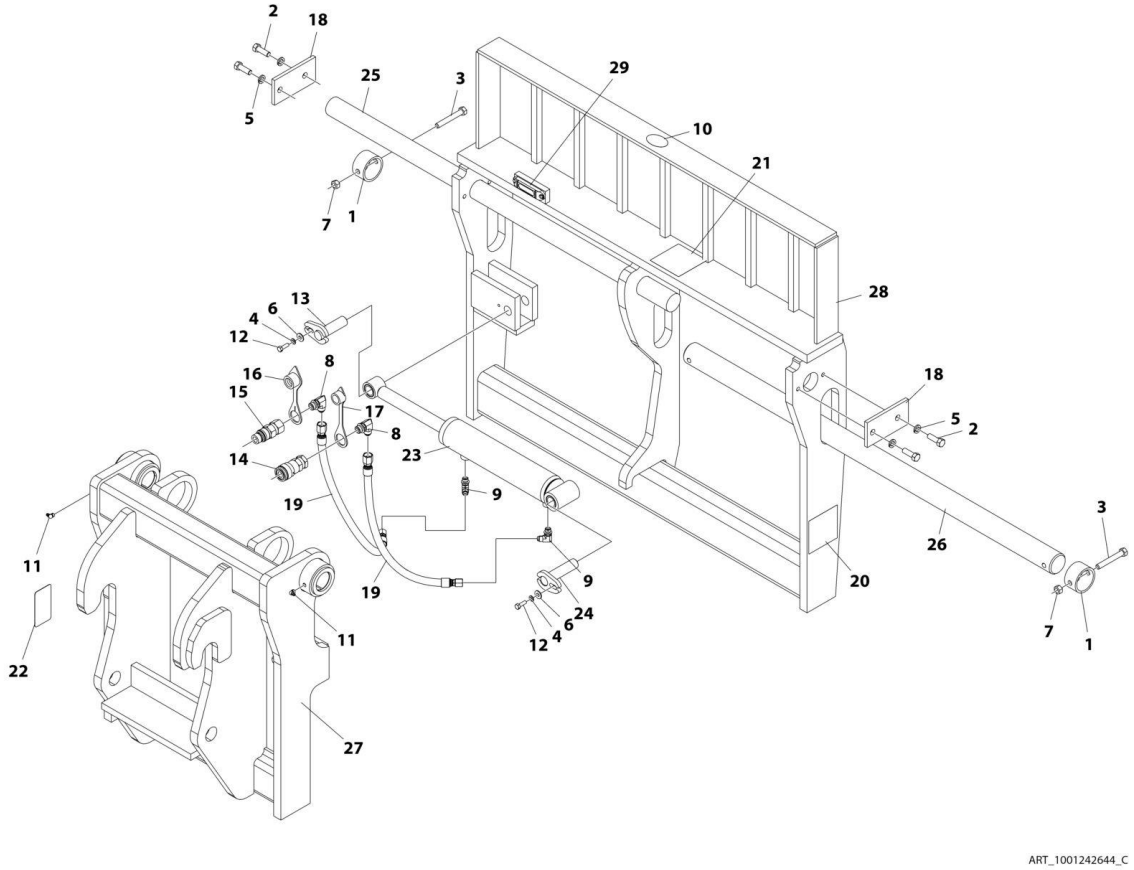


FIGURE 3-16. CARRIAGE ASSEMBLY - 48IN/12000# CAPICITY SIDE SHIFT

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 3-17. CARRIAGE ASSEMBLY - 50IN/1270MM

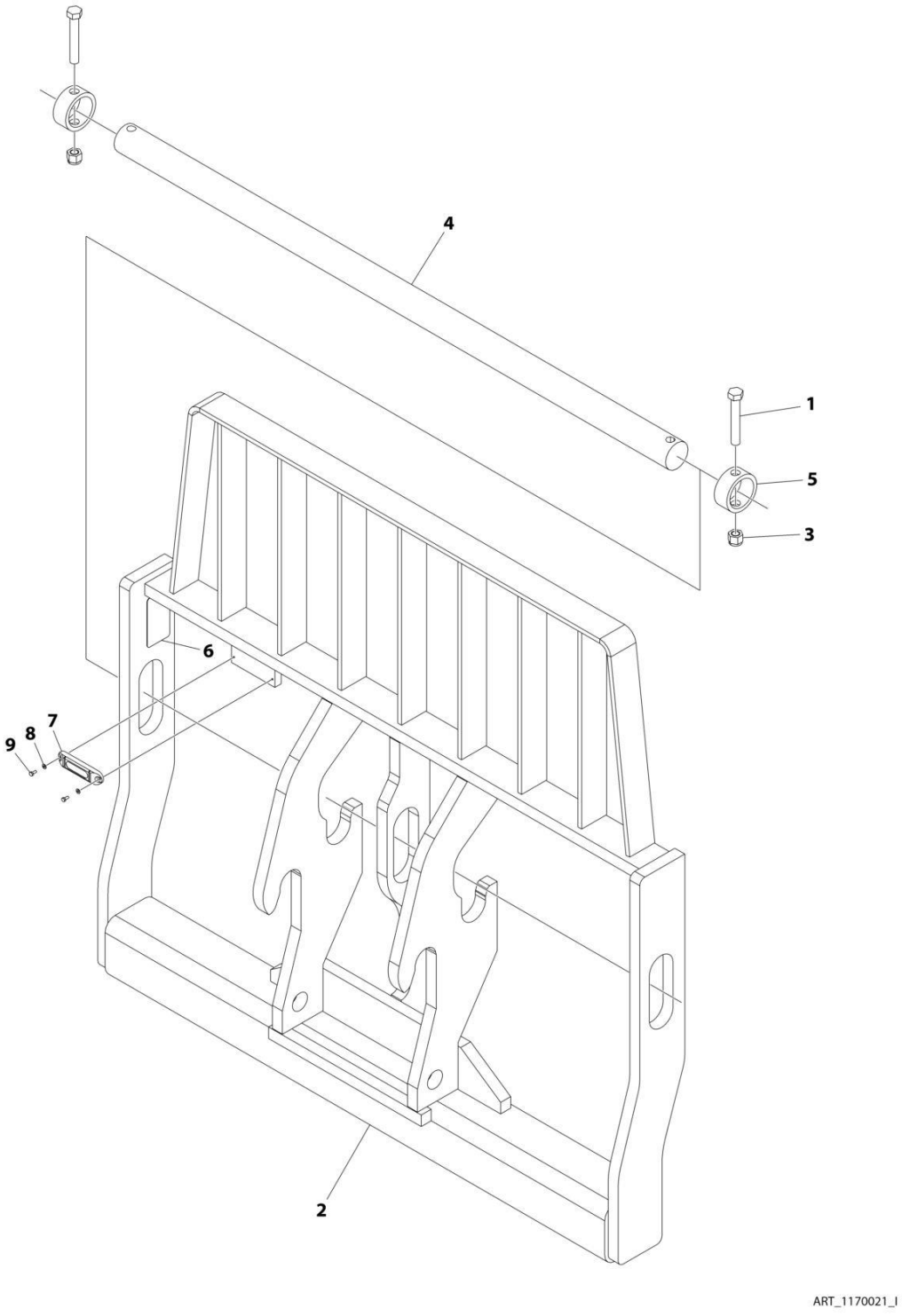


FIGURE 3-17. CARRIAGE ASSEMBLY - 50IN/1270MM

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 3-18. CARRIAGE ASSEMBLY - FORK POSITIONING WITH FORKS (4.5 TON)

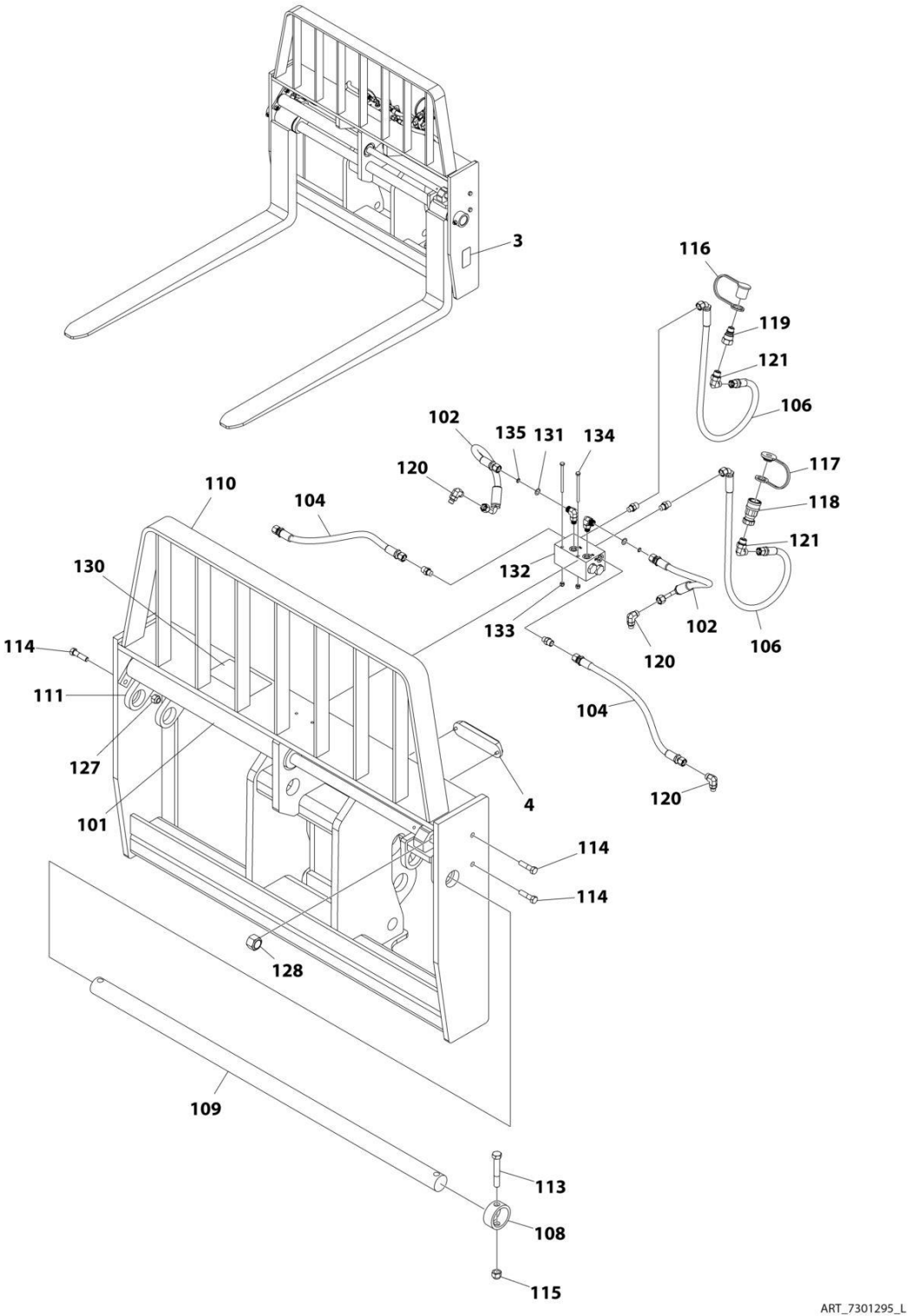


FIGURE 3-18. CARRIAGE ASSEMBLY - FORK POSITIONING WITH FORKS (4.5 TON)

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 3-19. CARRIAGE ASSEMBLY - 50IN/12000# CAPICITY SIDE TILT

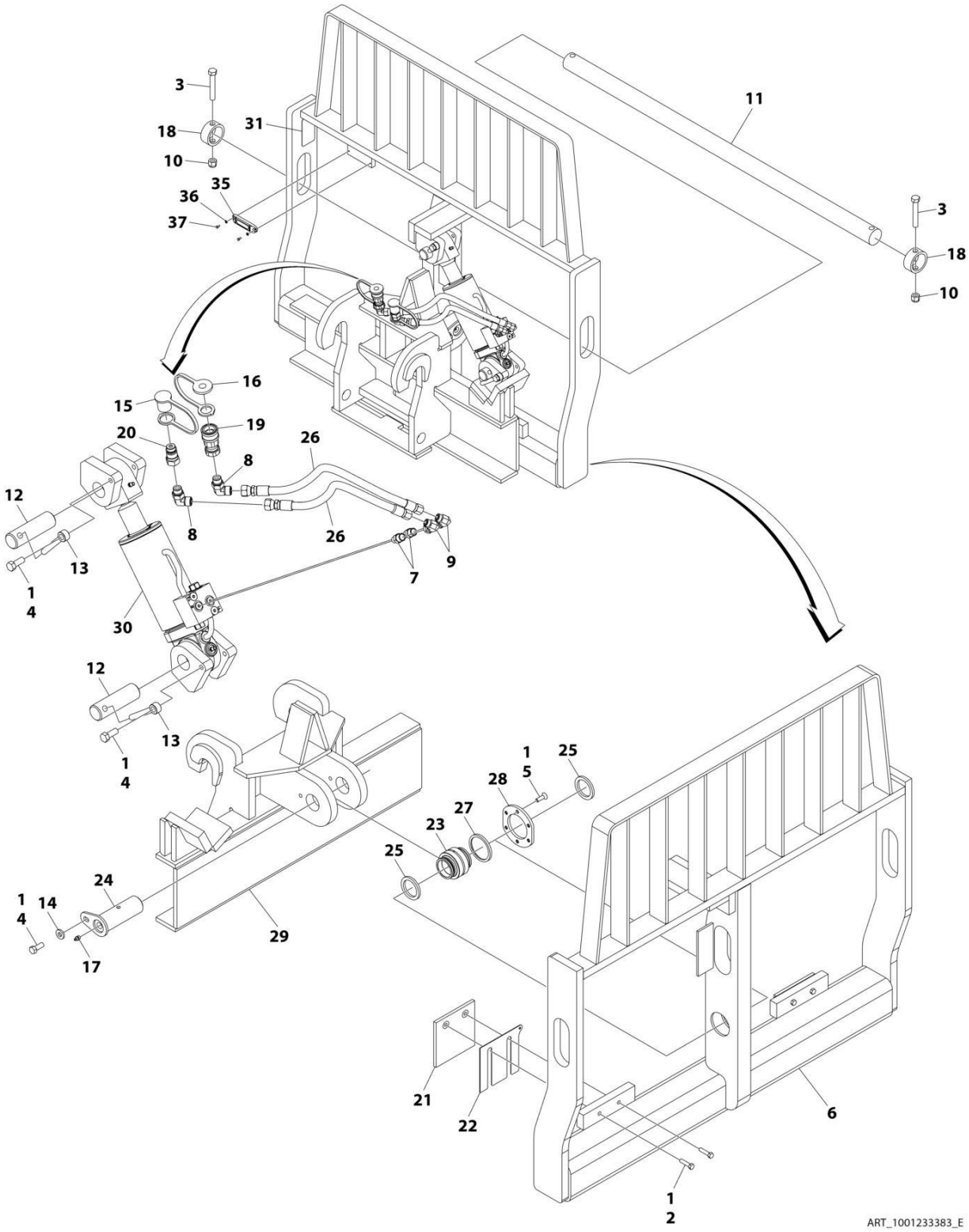


FIGURE 3-19. CARRIAGE ASSEMBLY - 50IN/12000# CAPICITY SIDE TILT

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 3-20. CARRIAGE ASSEMBLY - 60IN/1524MM

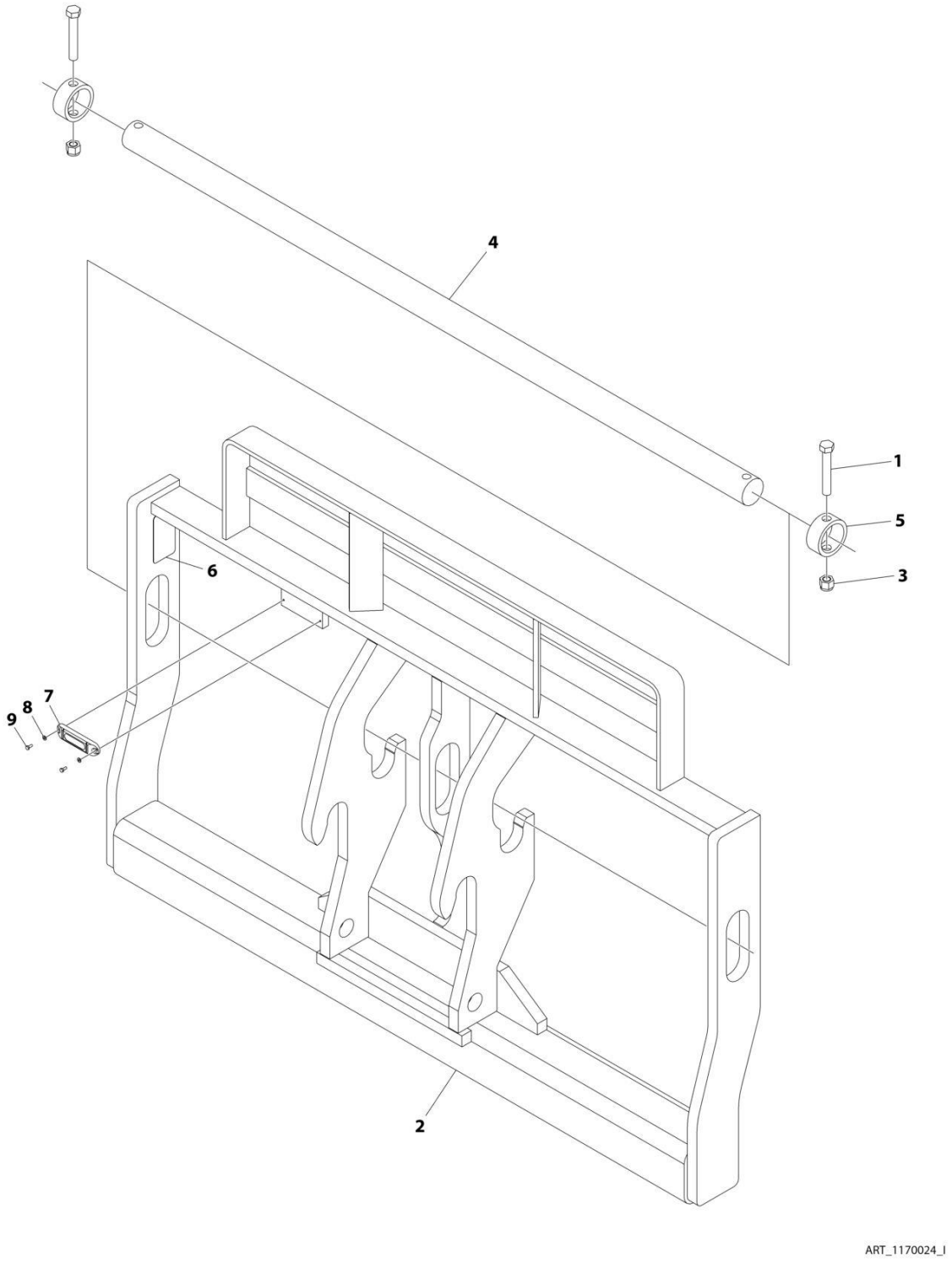


FIGURE 3-20. CARRIAGE ASSEMBLY - 60IN/1524MM

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 3-21. CARRIAGE ASSEMBLY - 60IN/12000# CAPICITY SIDE TILT

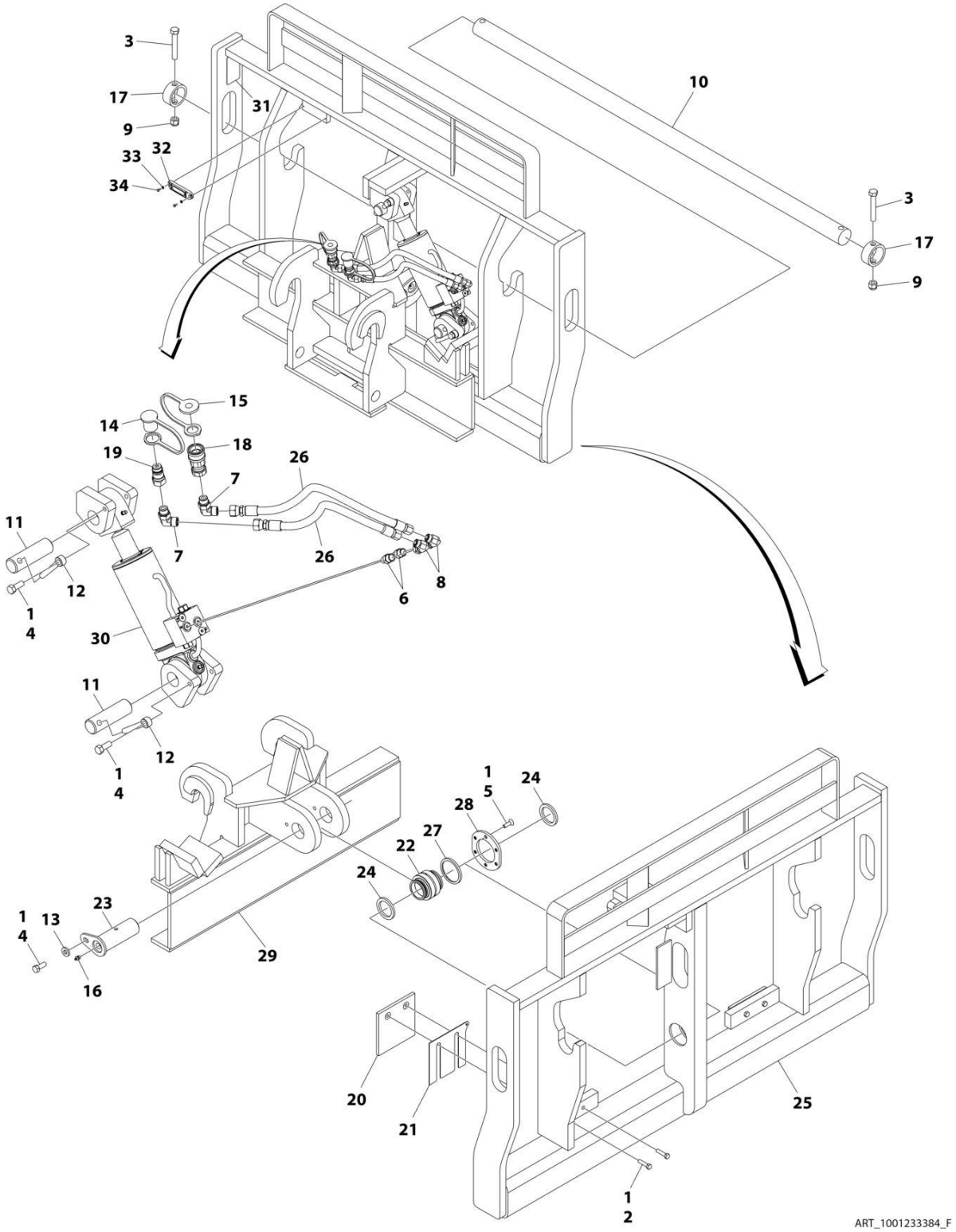


FIGURE 3-21. CARRIAGE ASSEMBLY - 60IN/12000# CAPICITY SIDE TILT

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 3-22. CARRIAGE ASSEMBLY - 72IN/1829MM

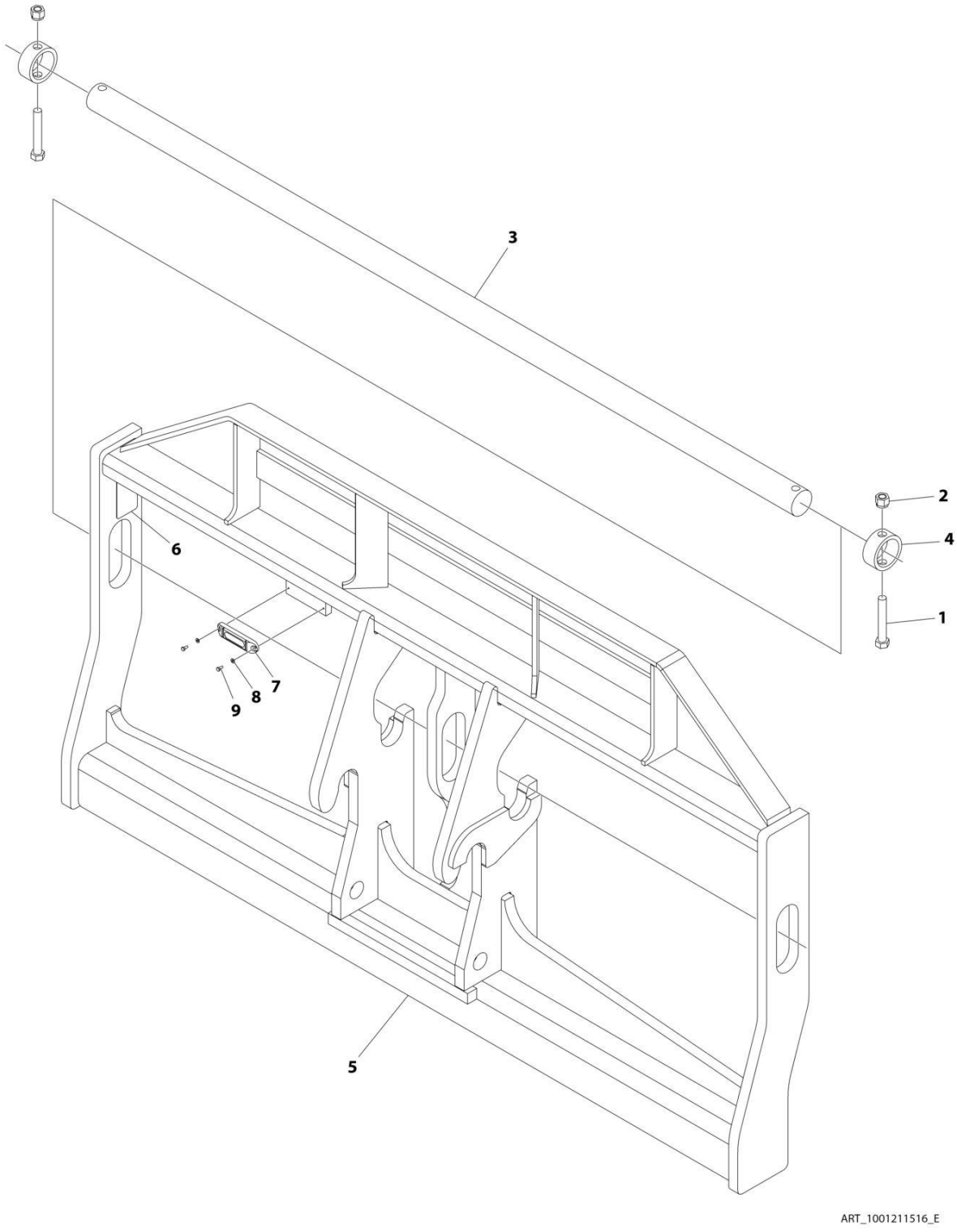


FIGURE 3-22. CARRIAGE ASSEMBLY - 72IN/1829MM

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 3-23. CARRIAGE ASSEMBLY - 72IN 90 SWING)

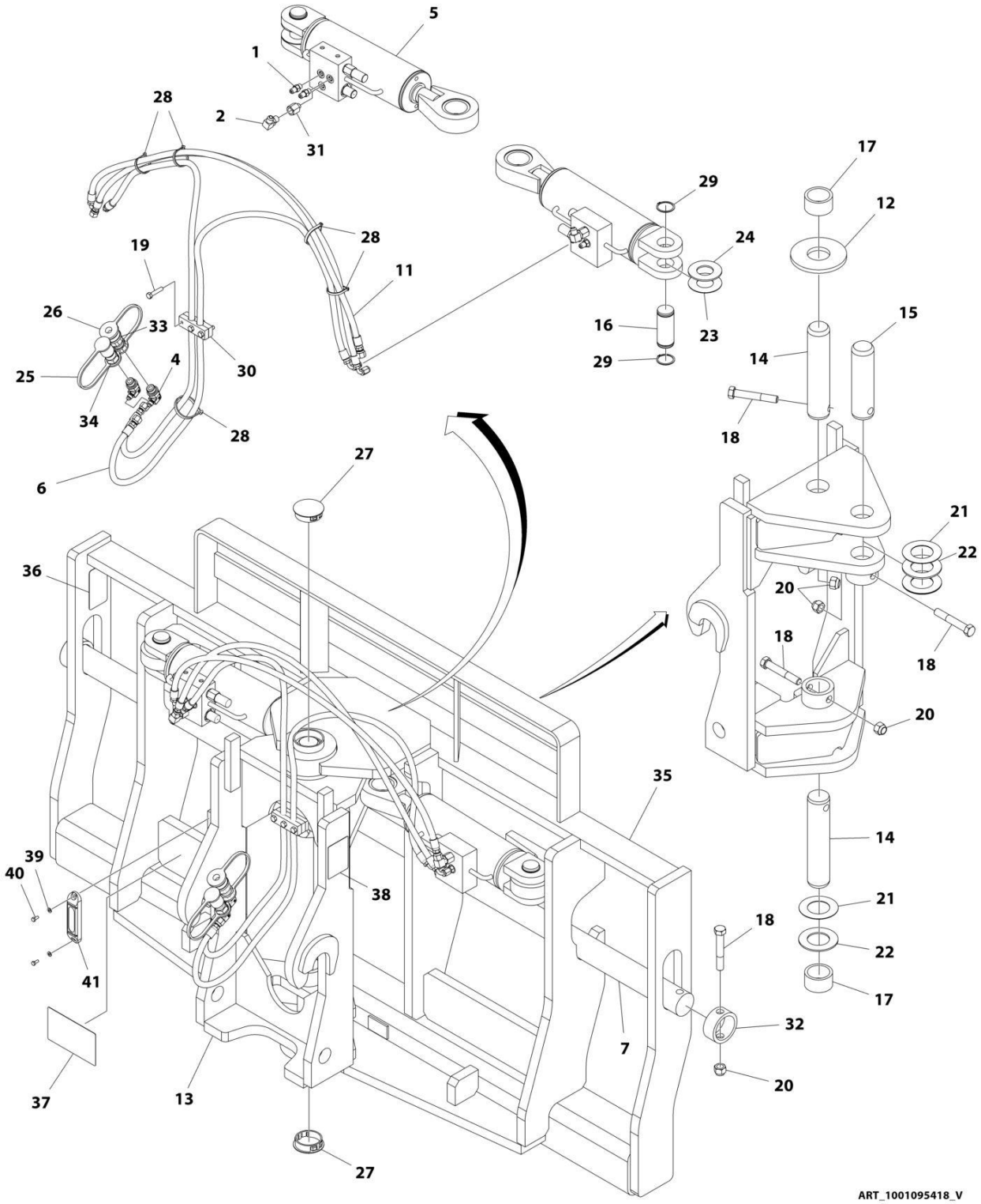


FIGURE 3-23. CARRIAGE ASSEMBLY - 72IN 90 SWING)

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 3-24. CARRIAGE ASSEMBLY - 72IN/12000# CAPICITY SIDE TILT

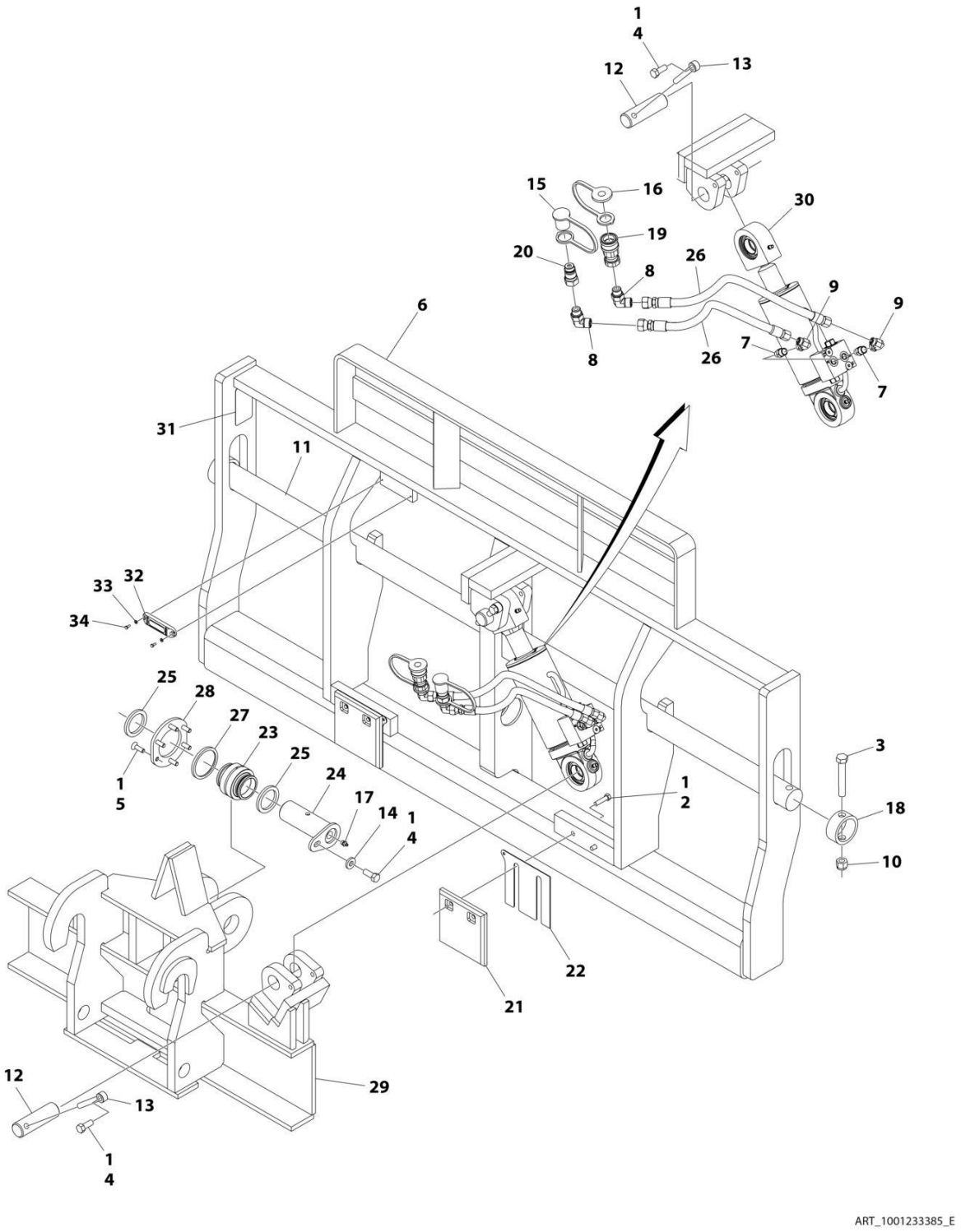


FIGURE 3-24. CARRIAGE ASSEMBLY - 72IN/12000# CAPICITY SIDE TILT

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 3-25. CARRIAGE ASSEMBLY - DRYWALL (SWING)

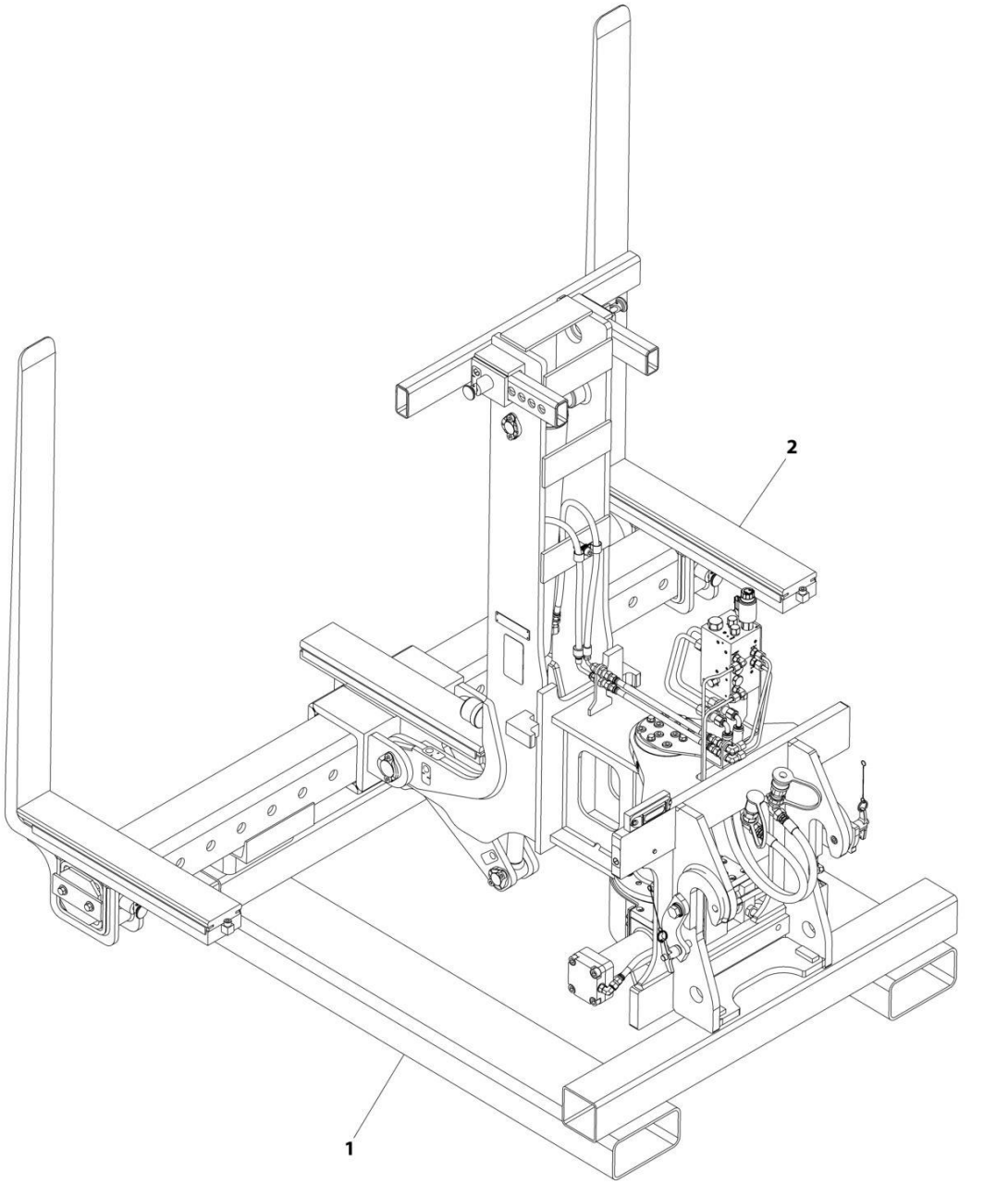


FIGURE 3-25. CARRIAGE ASSEMBLY - DRYWALL (SWING)

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 3-26. CARRIAGE ASSEMBLY - DRYWALL SWING CARRIAGE

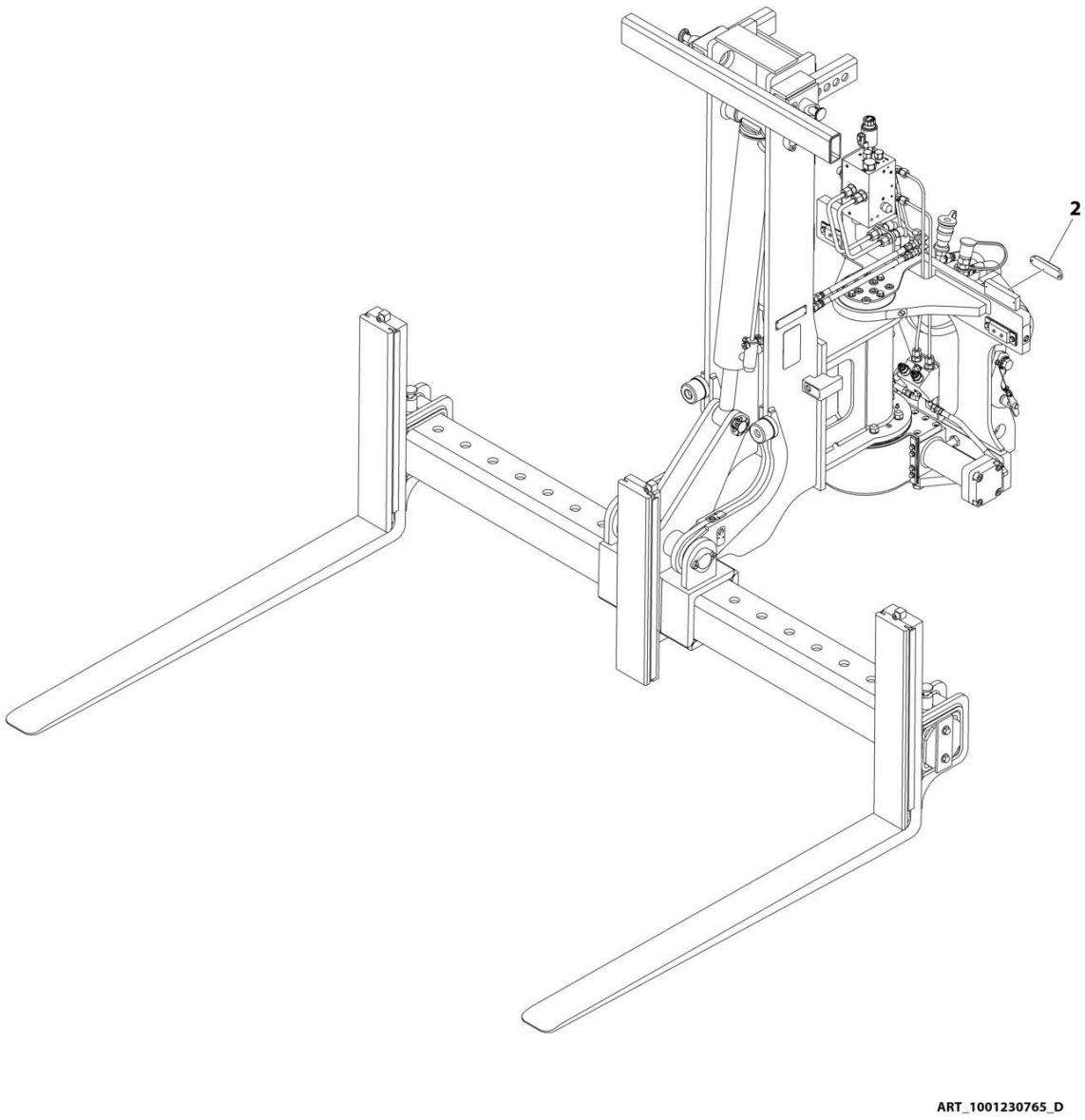


FIGURE 3-26. CARRIAGE ASSEMBLY - DRYWALL SWING CARRIAGE

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 3-27. CARRIAGE ASSEMBLY - DRYWALL BOARD HANDLER

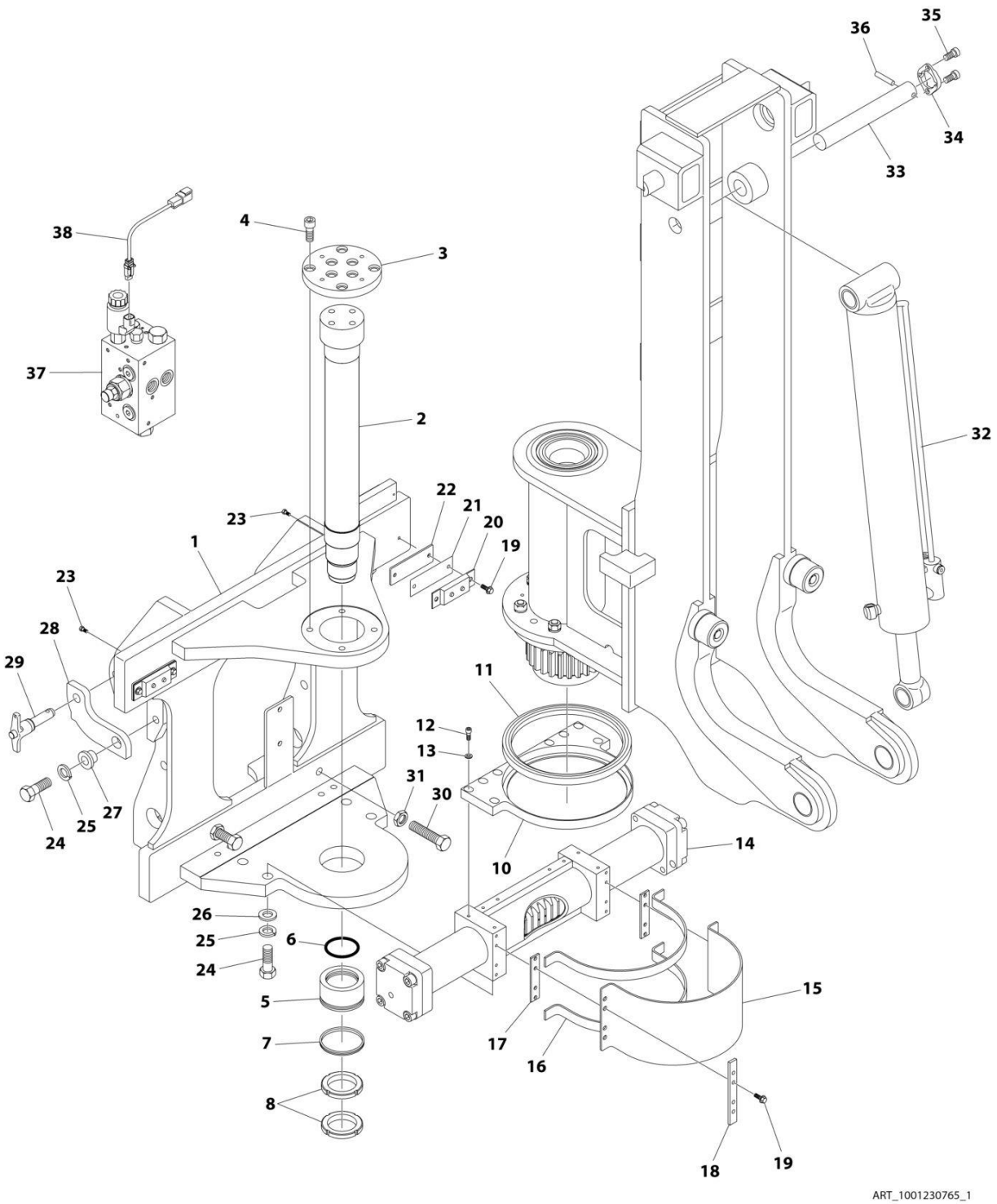


FIGURE 3-27. CARRIAGE ASSEMBLY - DRYWALL BOARD HANDLER

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 3-28. CARRIAGE ASSEMBLY - DRYWALL PIVOT FRAME

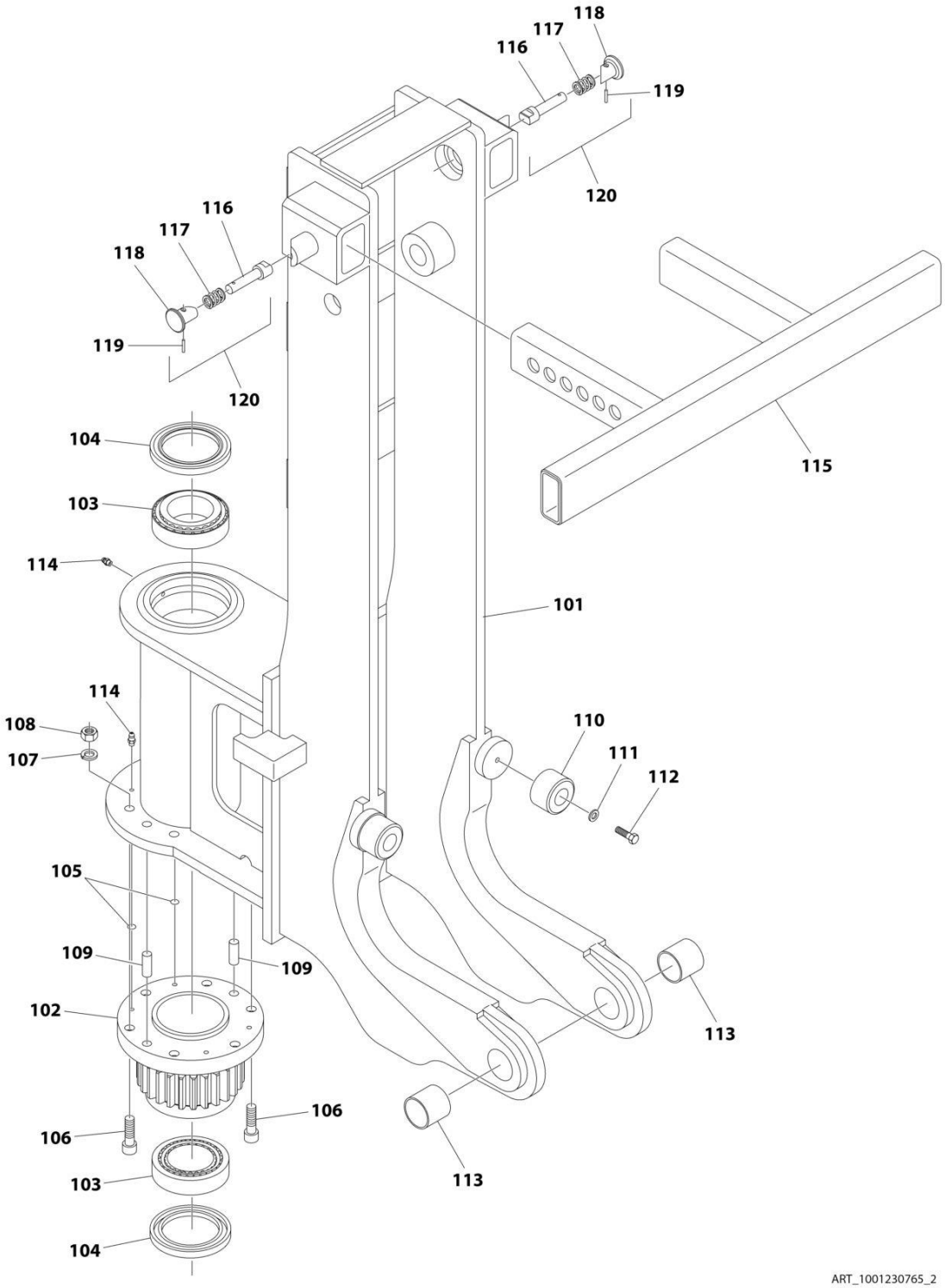


FIGURE 3-28. CARRIAGE ASSEMBLY - DRYWALL PIVOT FRAME

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 3-29. CARRIAGE ASSEMBLY - DRYWALL CYLINDER

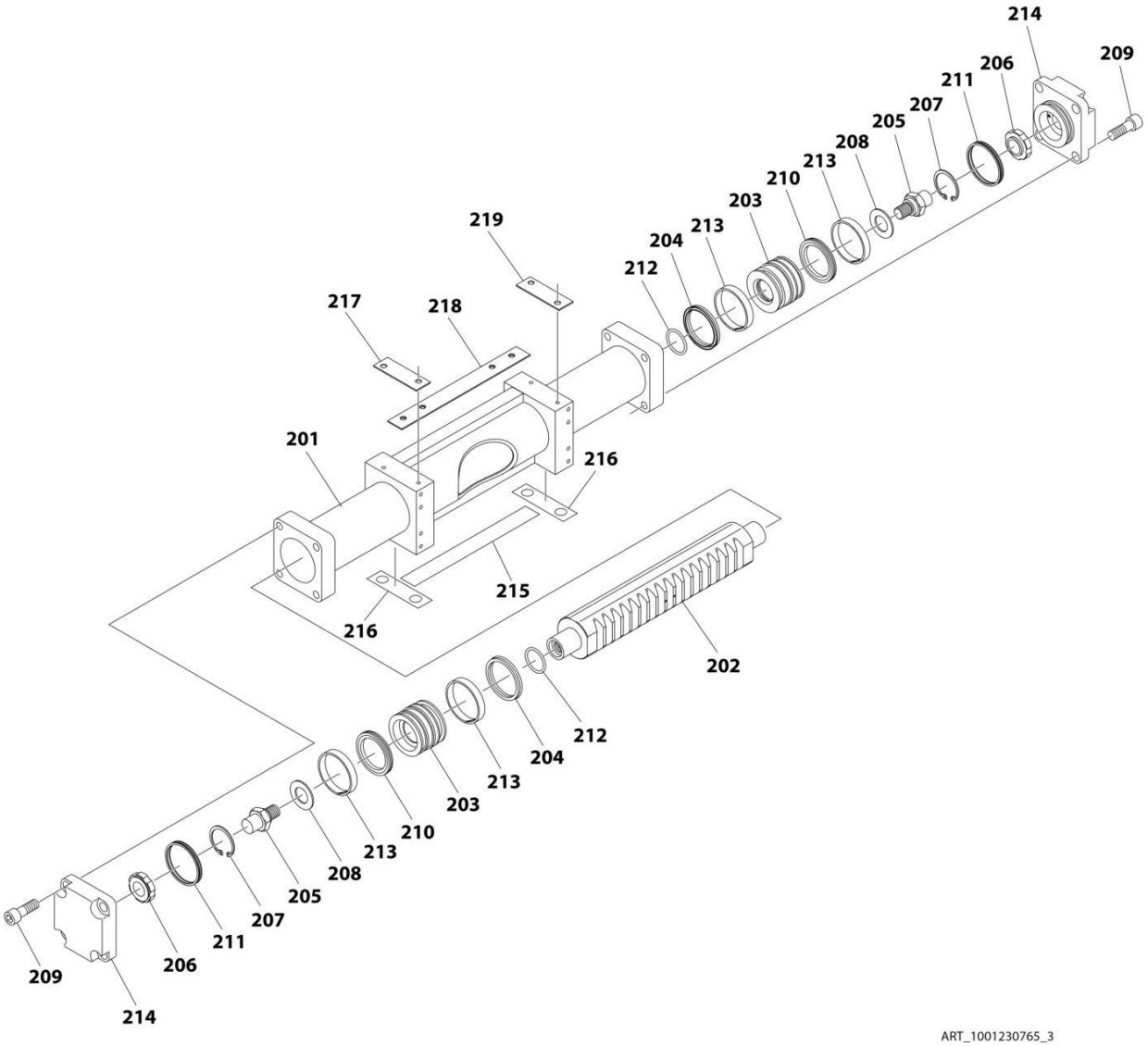


FIGURE 3-29. CARRIAGE ASSEMBLY - DRYWALL CYLINDER

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 3-30. CARRIAGE ASSEMBLY - DRYWALL HYDRAULICS

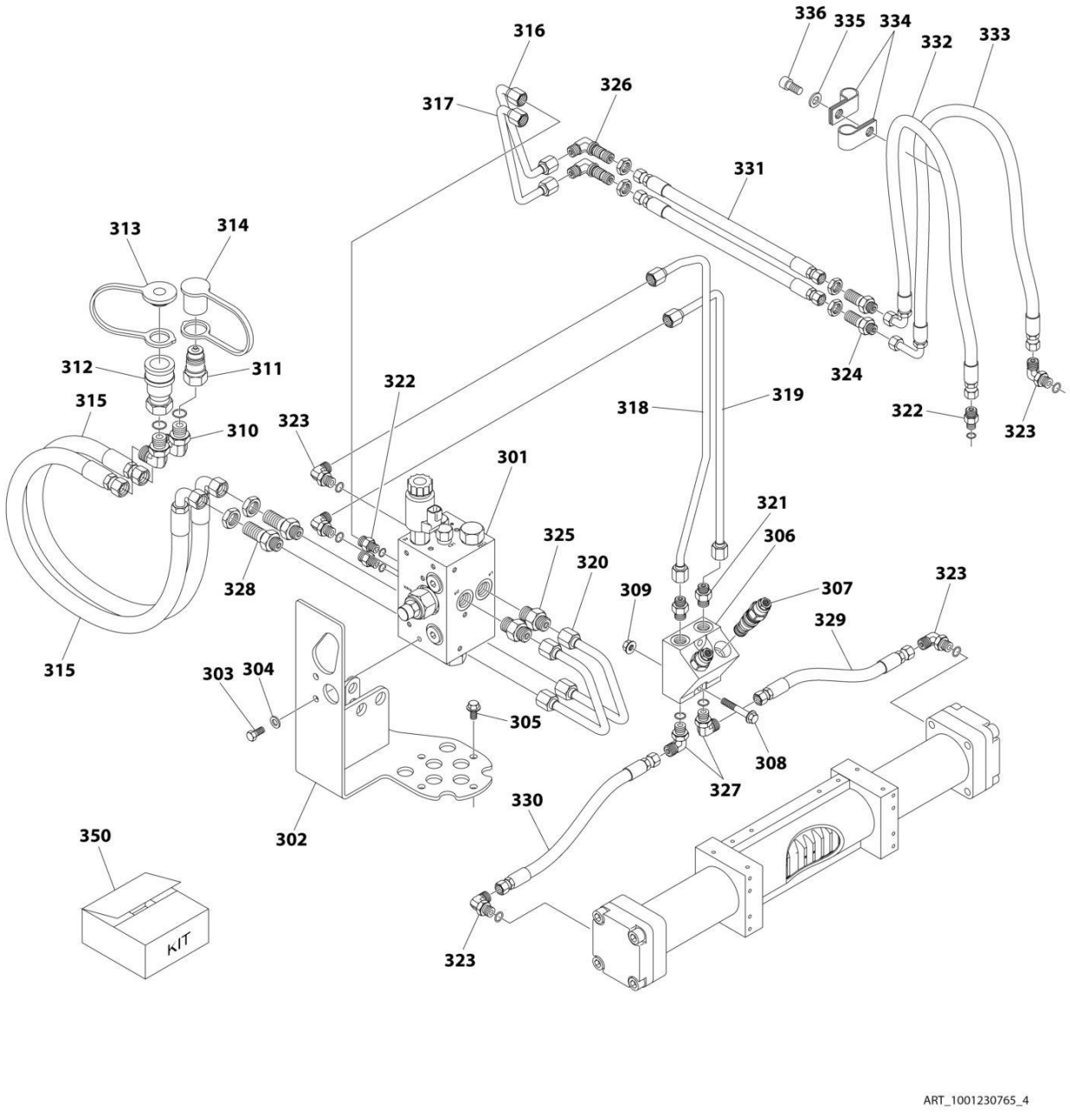


FIGURE 3-30. CARRIAGE ASSEMBLY - DRYWALL HYDRAULICS

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 3-31. CARRIAGE ASSEMBLY - DRYWALL VALVE ASSEMBLY

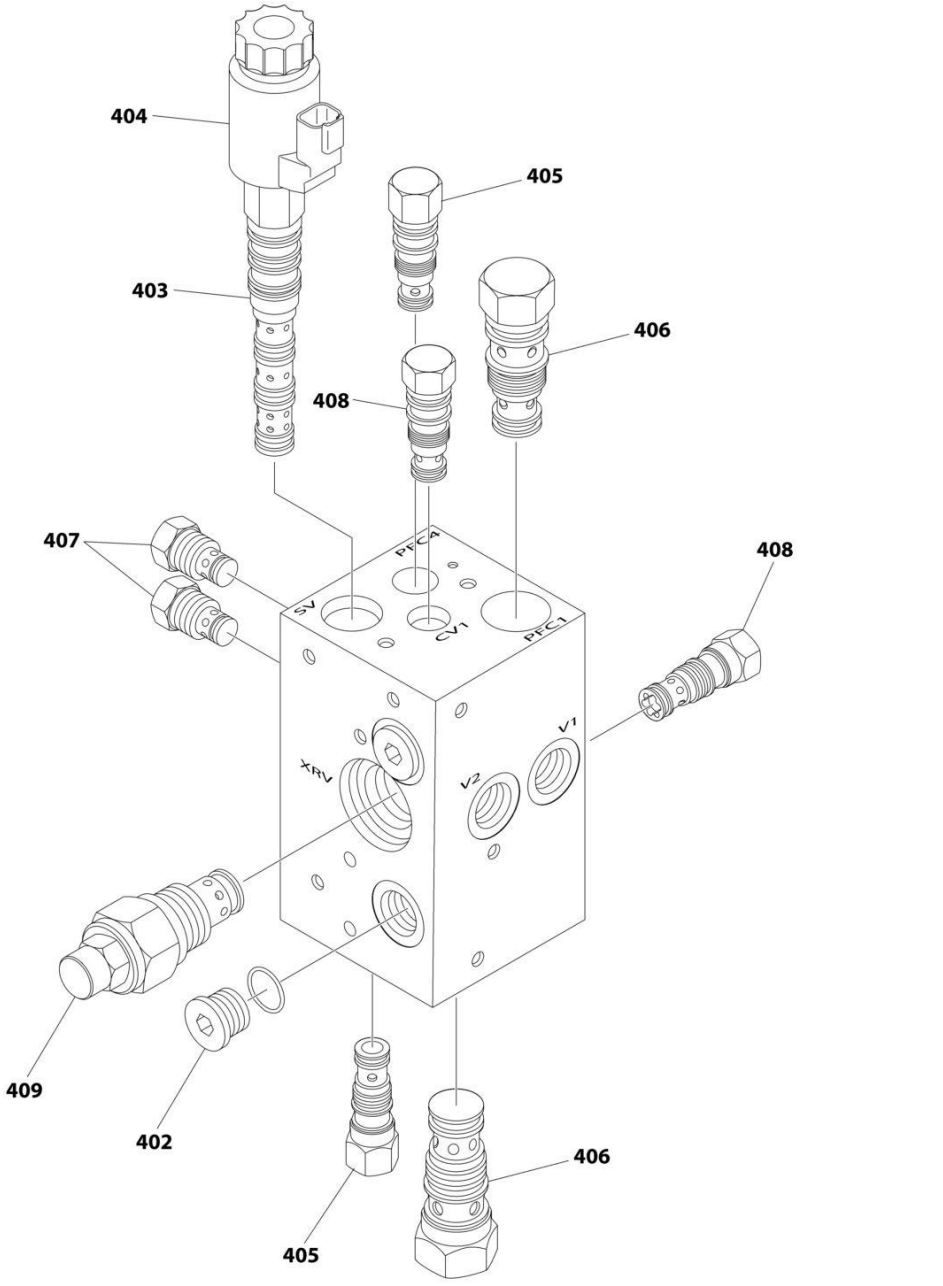


FIGURE 3-31. CARRIAGE ASSEMBLY - DRYWALL VALVE ASSEMBLY

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 3-32. CARRIAGE ASSEMBLY - DRYWALL CYLINDER

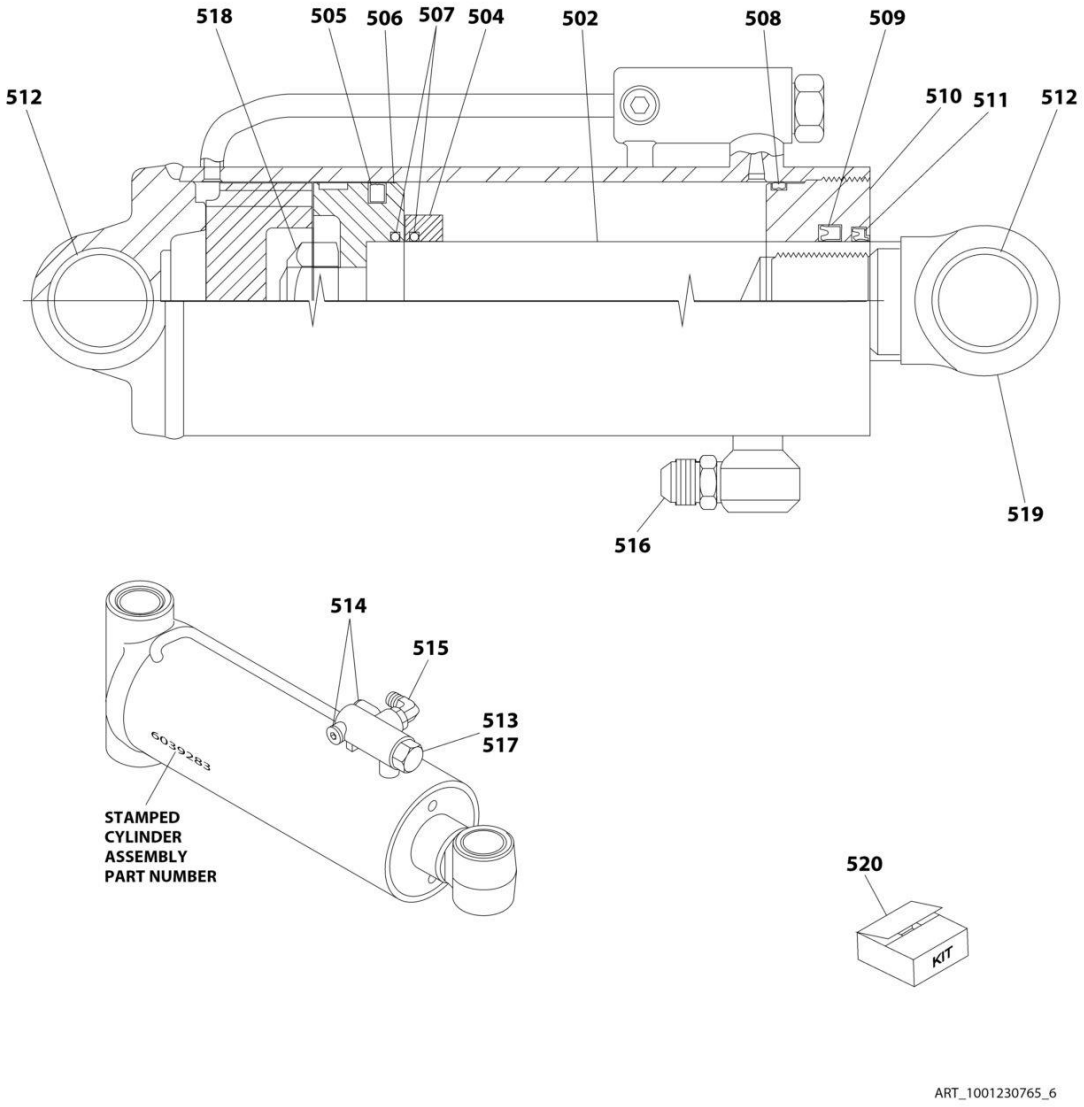


FIGURE 3-32. CARRIAGE ASSEMBLY - DRYWALL CYLINDER

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 3-33. CARRIAGE ASSEMBLY - DRYWALL FORKS

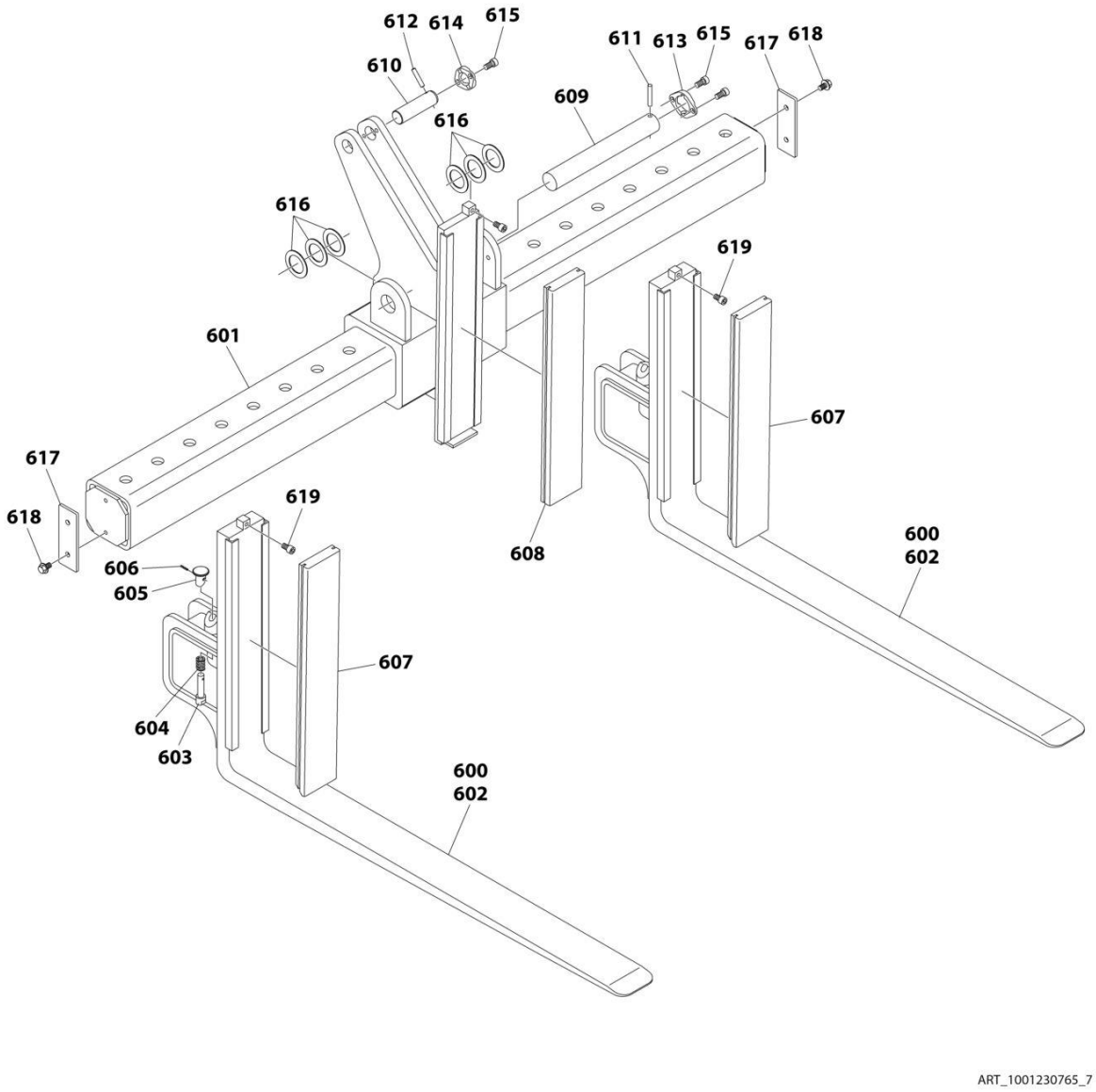


FIGURE 3-33. CARRIAGE ASSEMBLY - DRYWALL FORKS

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 3-34. FORK 2X2X48 / 1940# CAPACITY

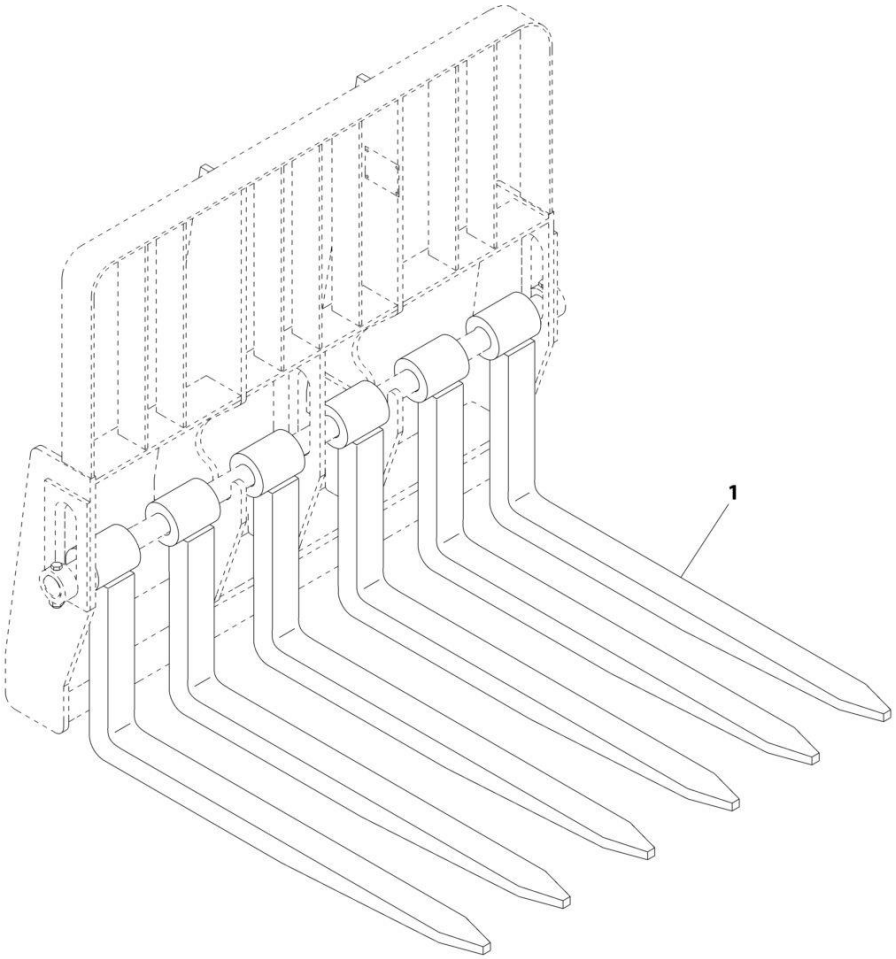


FIGURE 3-34. FORK 2X2X48 / 1940# CAPACITY

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 3-35. FORK 2.36X4X48 / 5000# CAPACITY

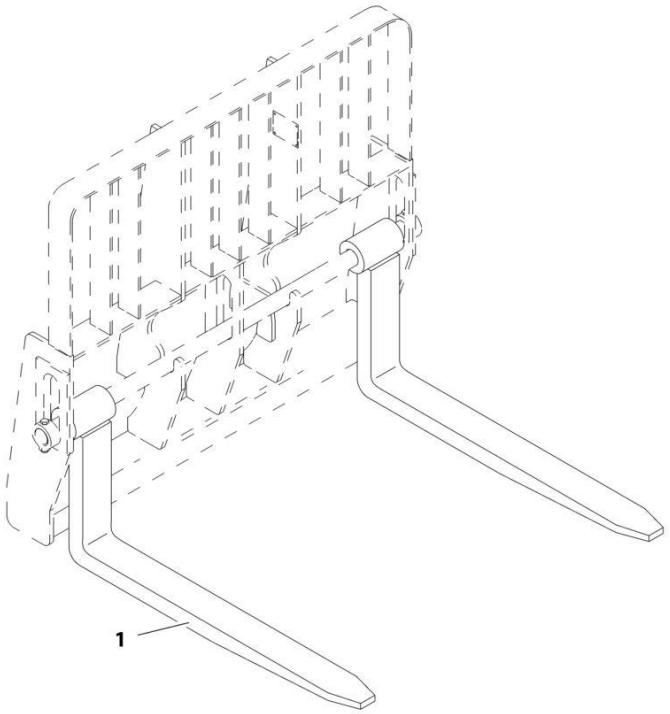


FIGURE 3-35. FORK 2.36X4X48 / 5000# CAPACITY

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 3-36. FORK 2.36X4X48 / 5475# CAPACITY

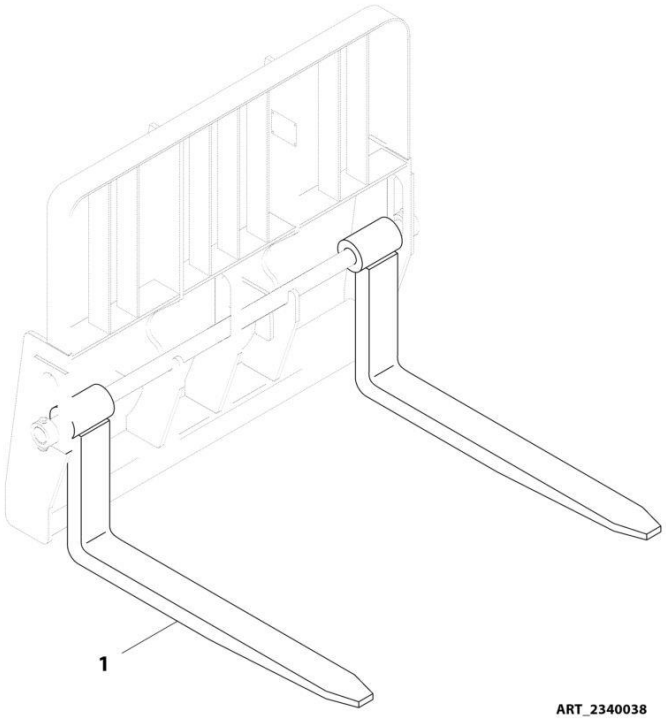


FIGURE 3-36. FORK 2.36X4X48 / 5475# CAPACITY

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 3-37. FORK 2.00X6X48 / 6005# CAPACITY

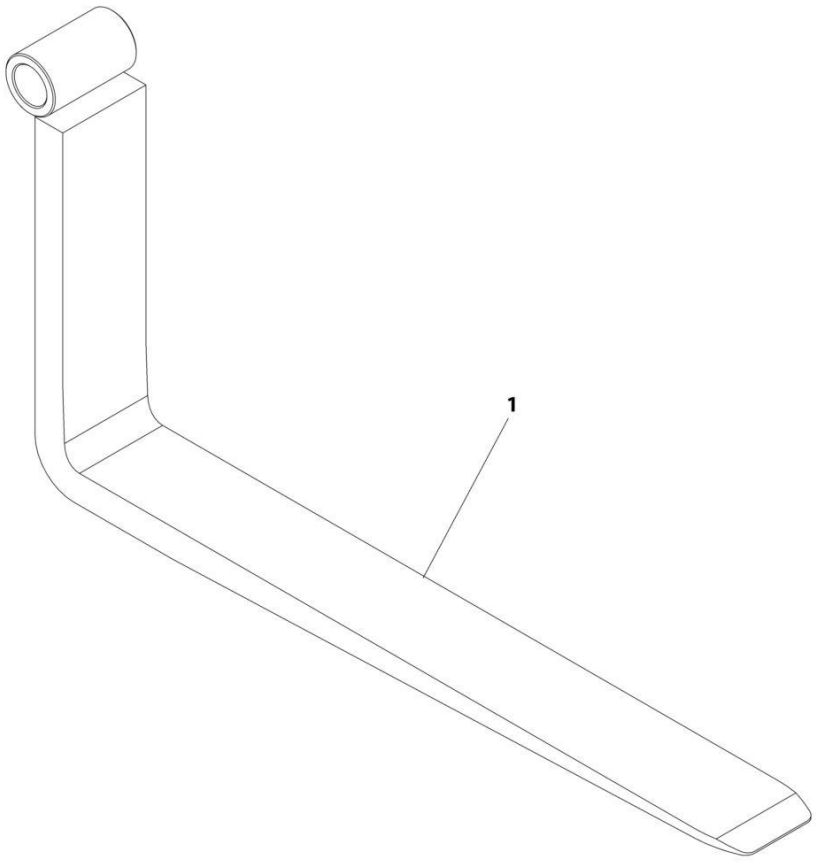


FIGURE 3-37. FORK 2.00X6X48 / 6005# CAPACITY

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 3-38. FORK 2.36X5X48 / 6850# CAPACITY

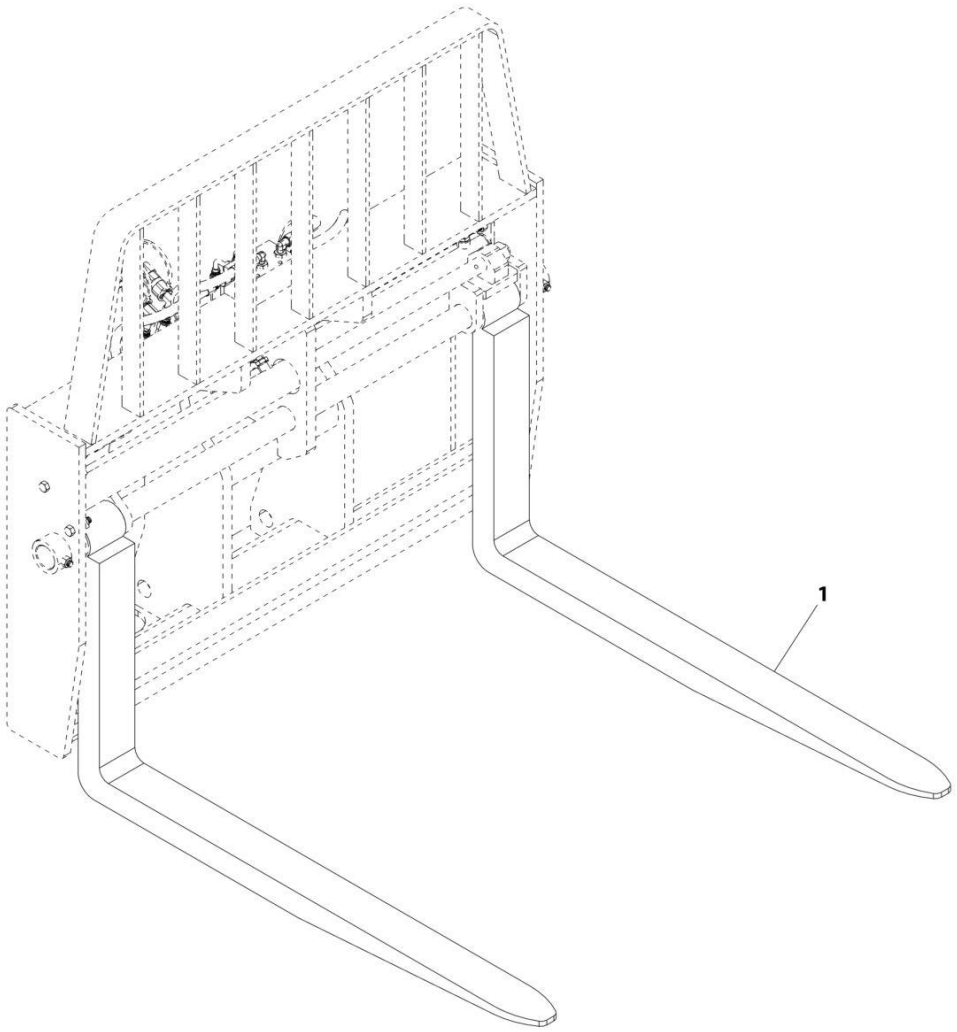


FIGURE 3-38. FORK 2.36X5X48 / 6850# CAPACITY

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 3-39. FORK 2.36X4X60 / 5000# CAPACITY

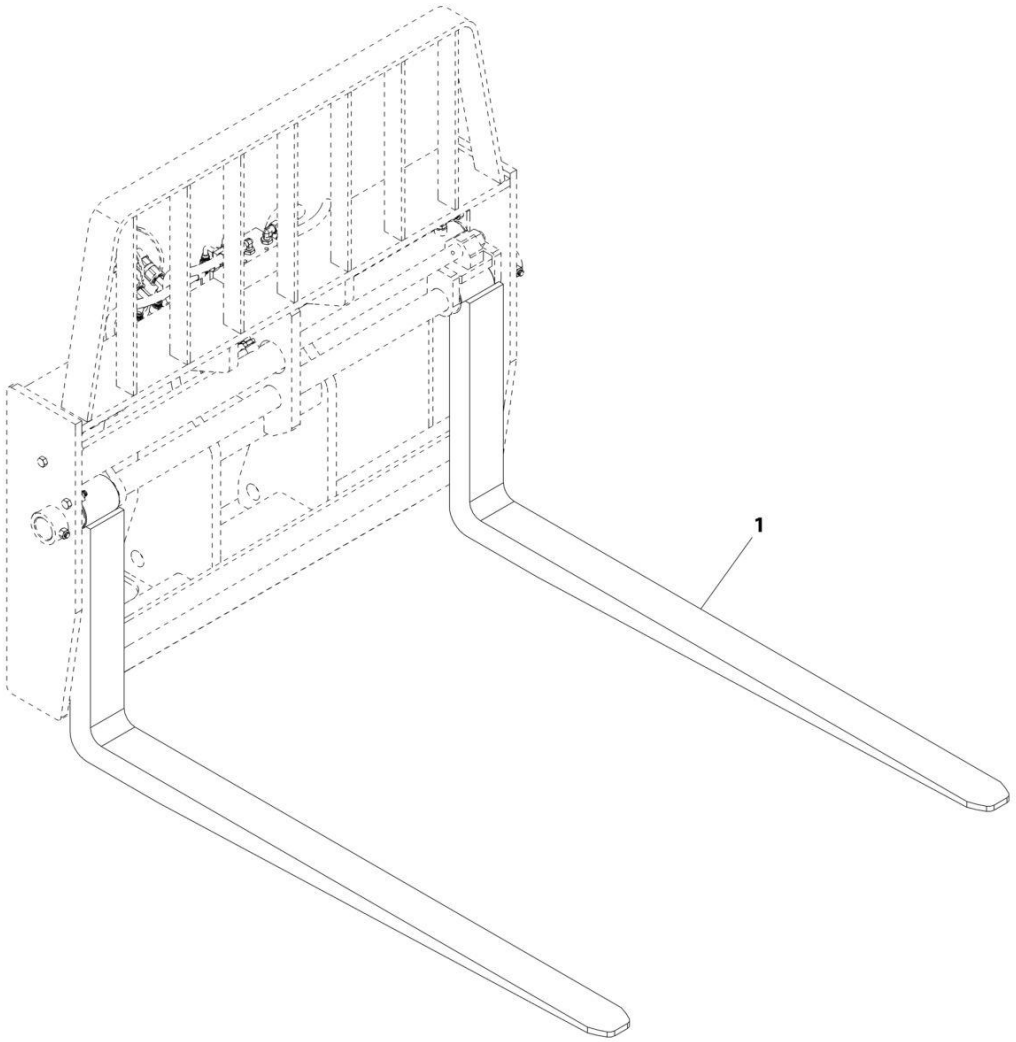


FIGURE 3-39. FORK 2.36X4X60 / 5000# CAPACITY

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 3-40. FORK 2.36X5X60 / 6850# CAPACITY

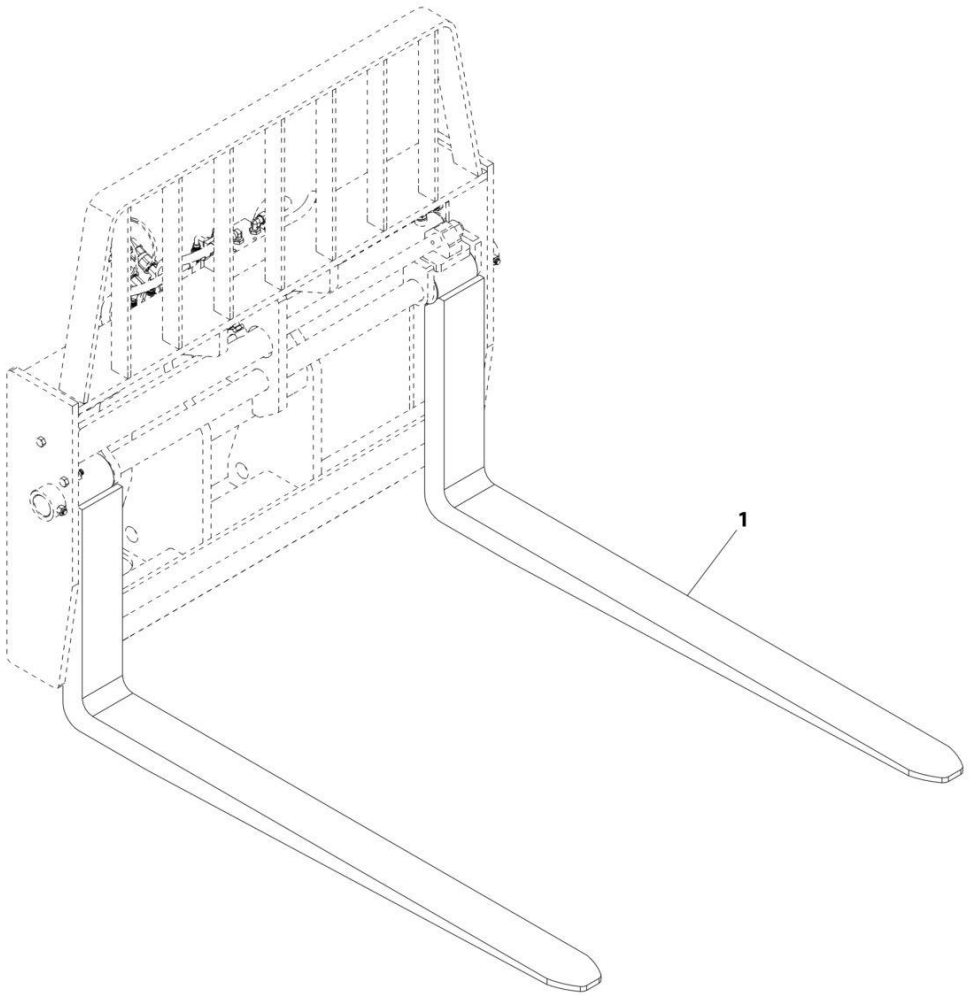


FIGURE 3-40. FORK 2.36X5X60 / 6850# CAPACITY

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 3-41. FORK 2.36X6X60 / 8150# CAPACITY

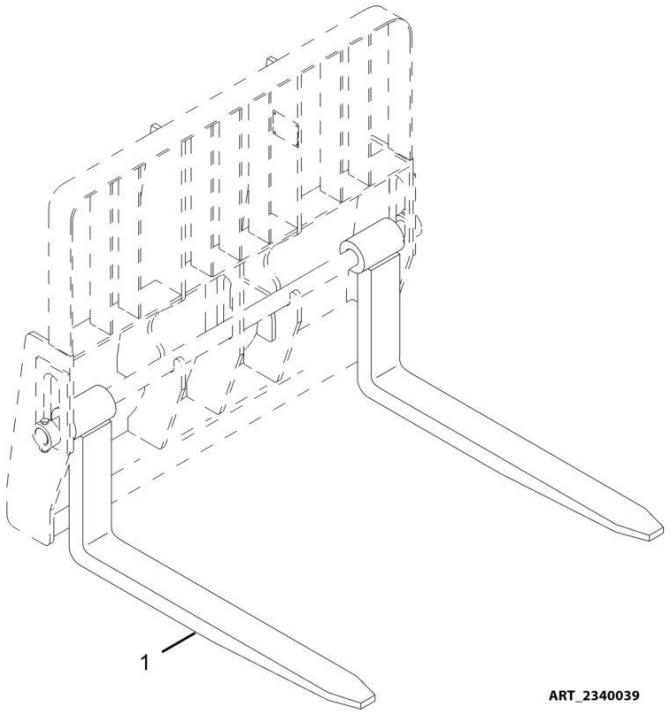


FIGURE 3-41. FORK 2.36X6X60 / 8150# CAPACITY

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 3-42. FORK 2.00X6X72 / 6610# CAPACITY

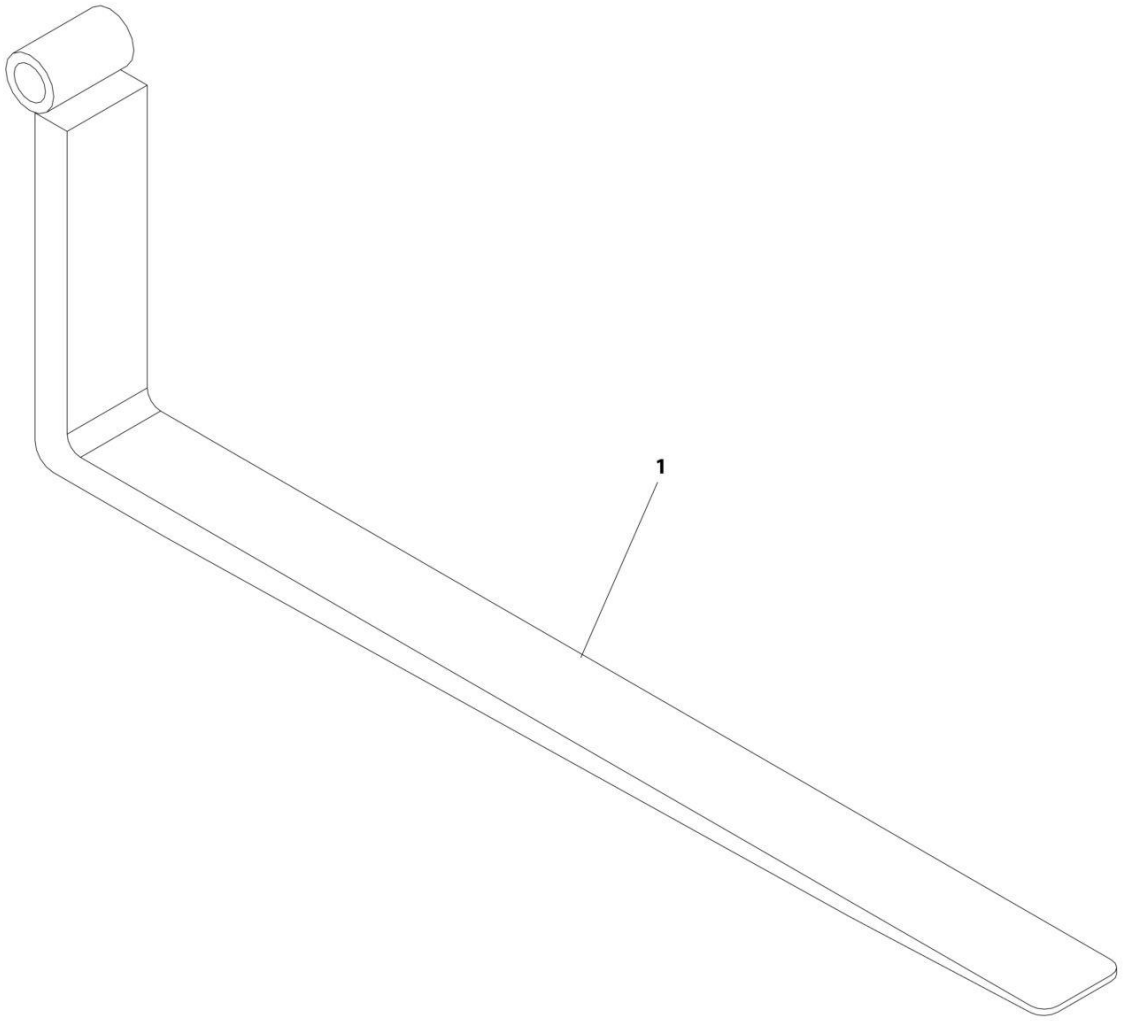
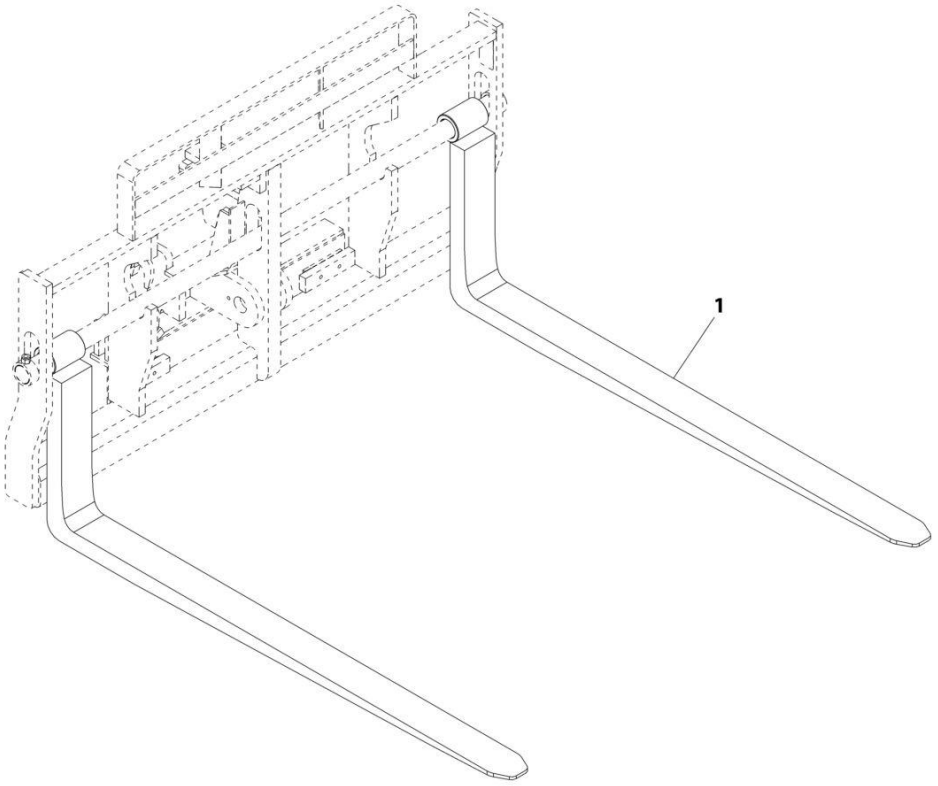


FIGURE 3-42. FORK 2.00X6X72 / 6610# CAPACITY

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 3-43. FORK 2.36X5X72 / 6850# CAPACITY



ART_1001232355

FIGURE 3-43. 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 3-44. FORK 40X150X1540

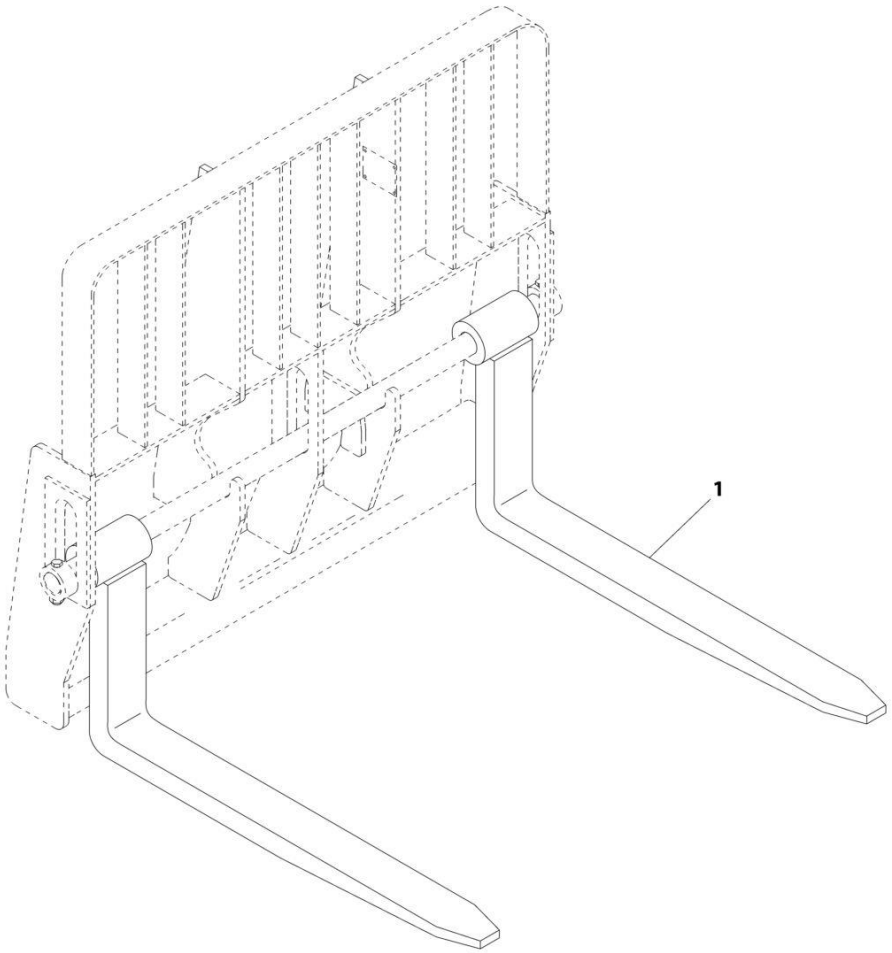


FIGURE 3-44. FORK 40X150X1540

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 3-45. FORK 50X180X1540

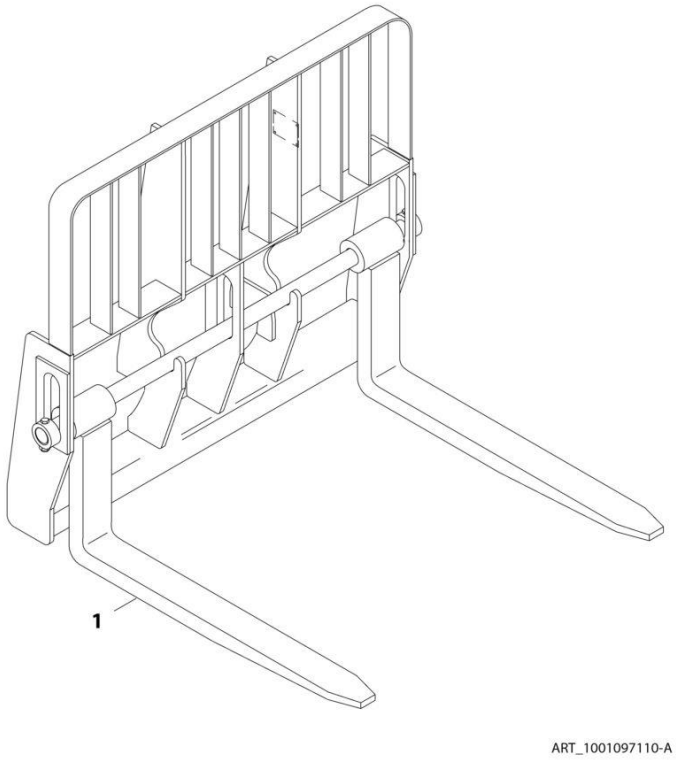


FIGURE 3-45. FORK 50X180X1540

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 3-46. FORK EXTENSION - 90IN

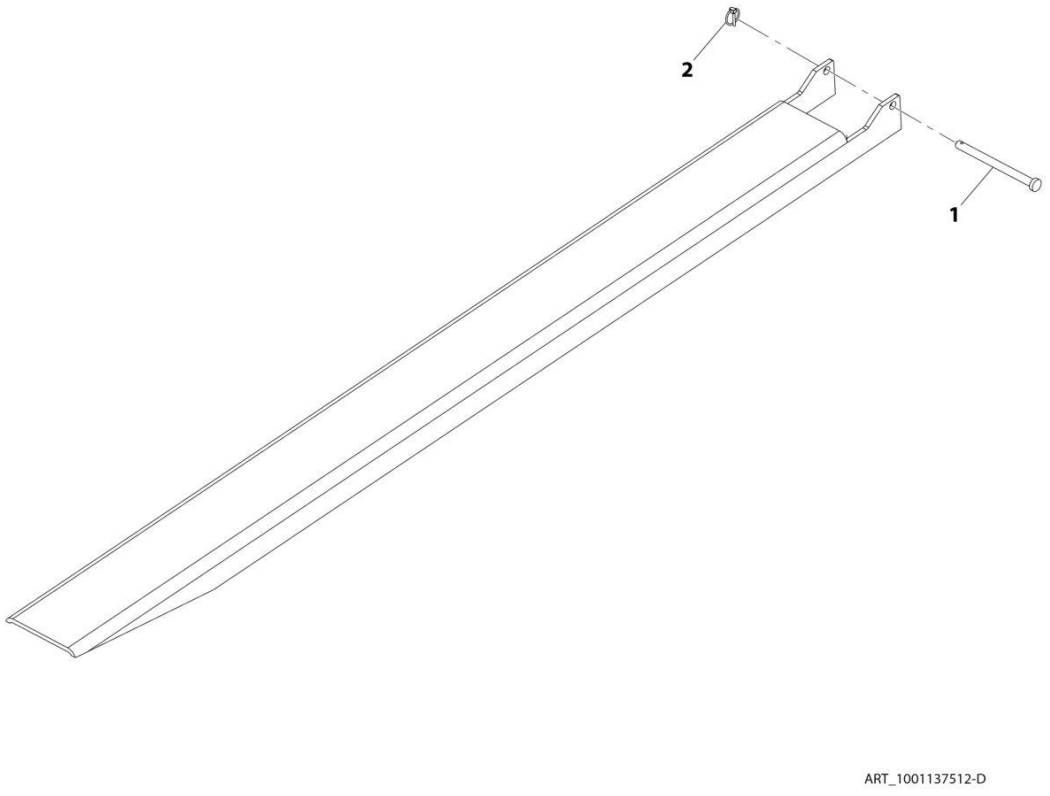


FIGURE 3-46. FORK EXTENSION - 90IN

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

FIGURE 3-47. FORK CLAMPS INSTALLATION

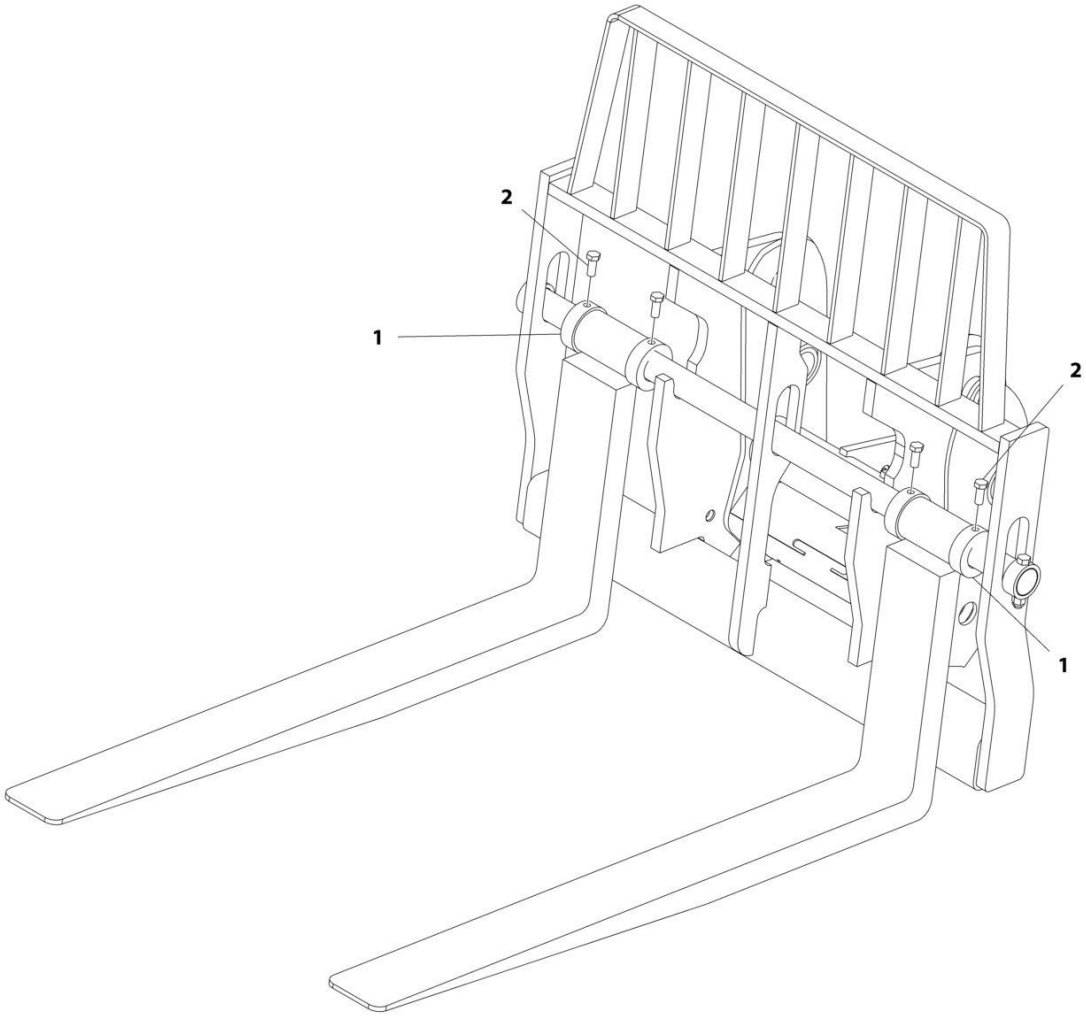


FIGURE 3-47. FORK CLAMPS INSTALLATION

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 3-48. HOOK, COUPLING

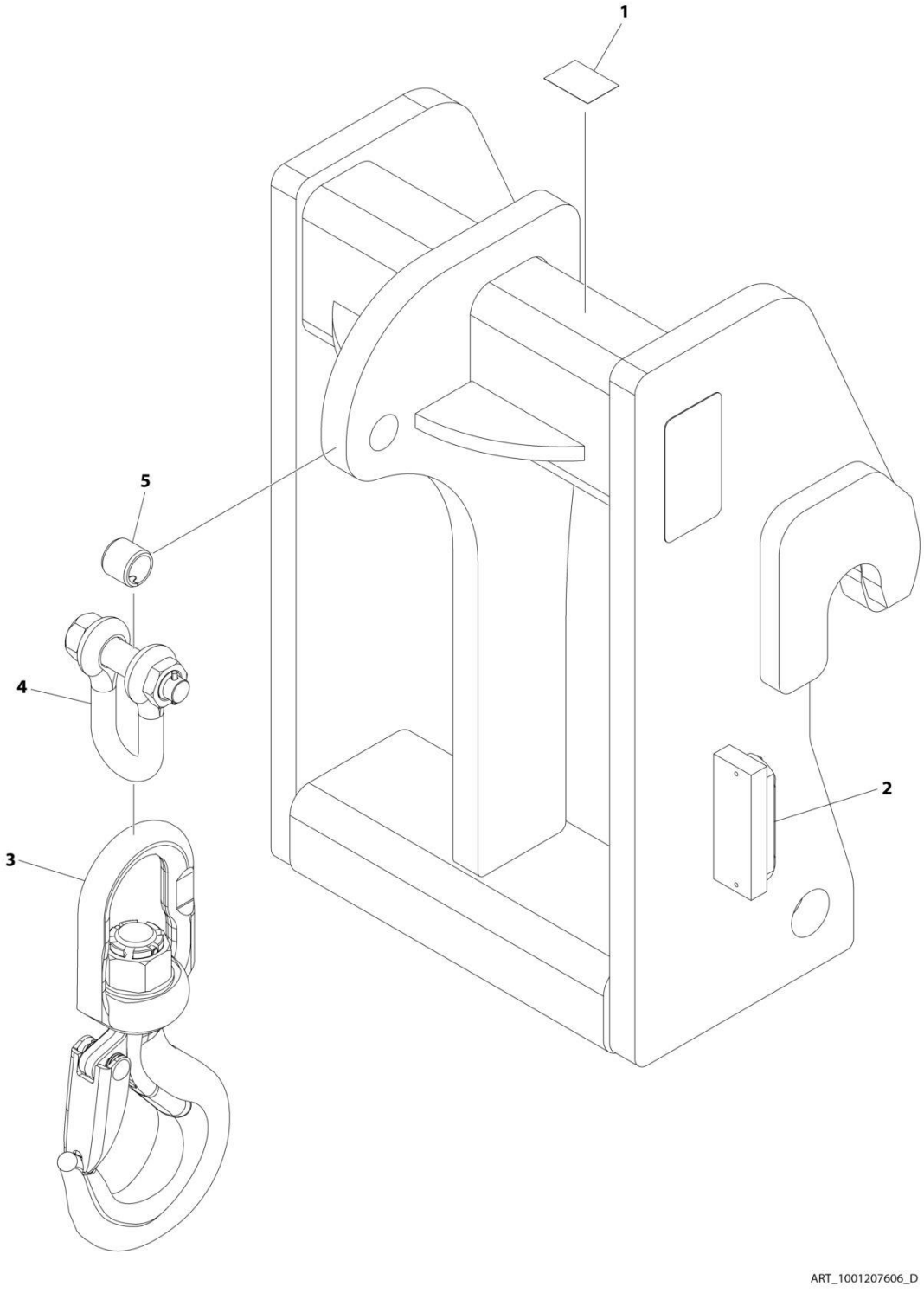


FIGURE 3-48. HOOK, COUPLING

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 3-49. HOOK, CRANE

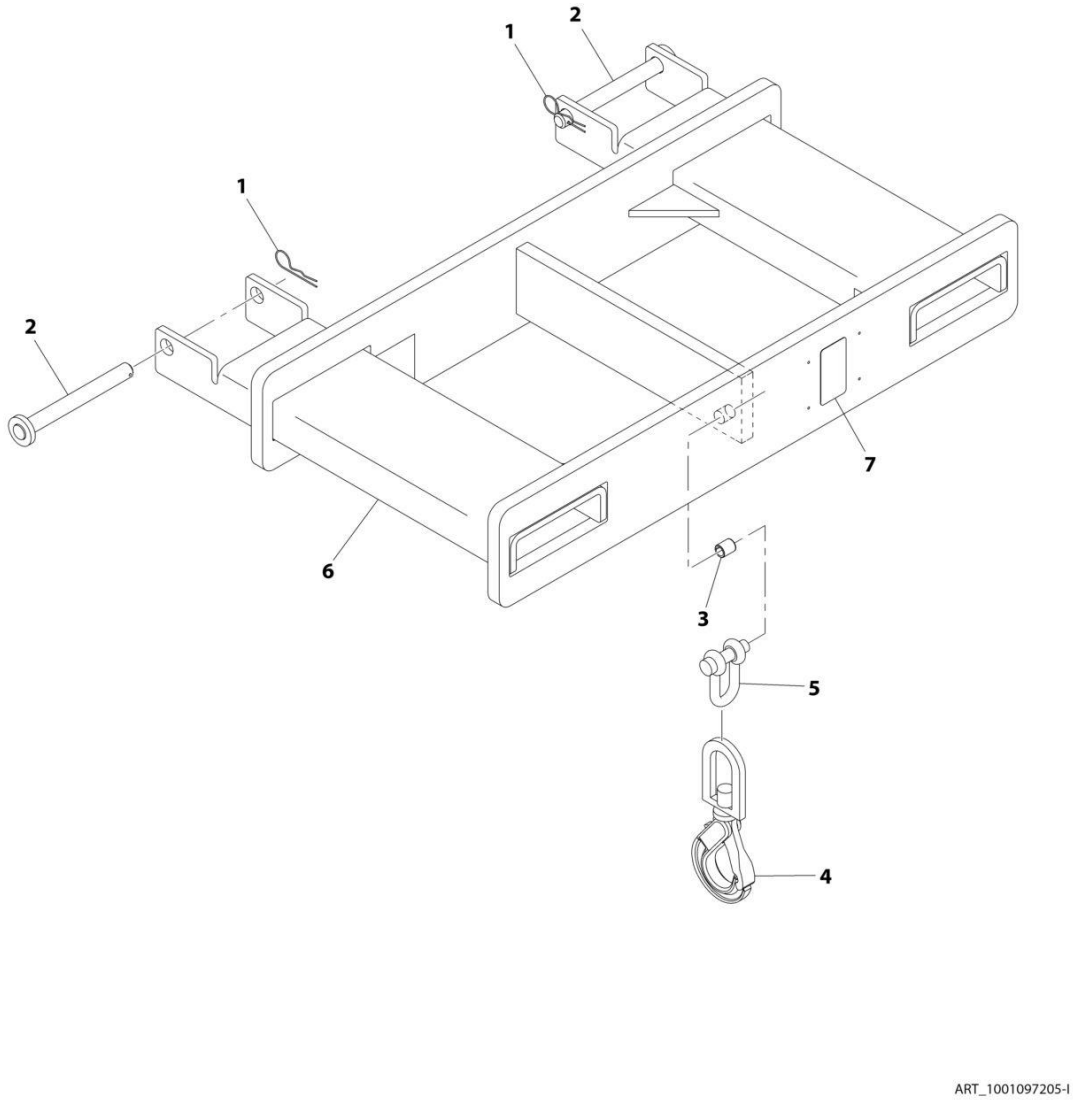
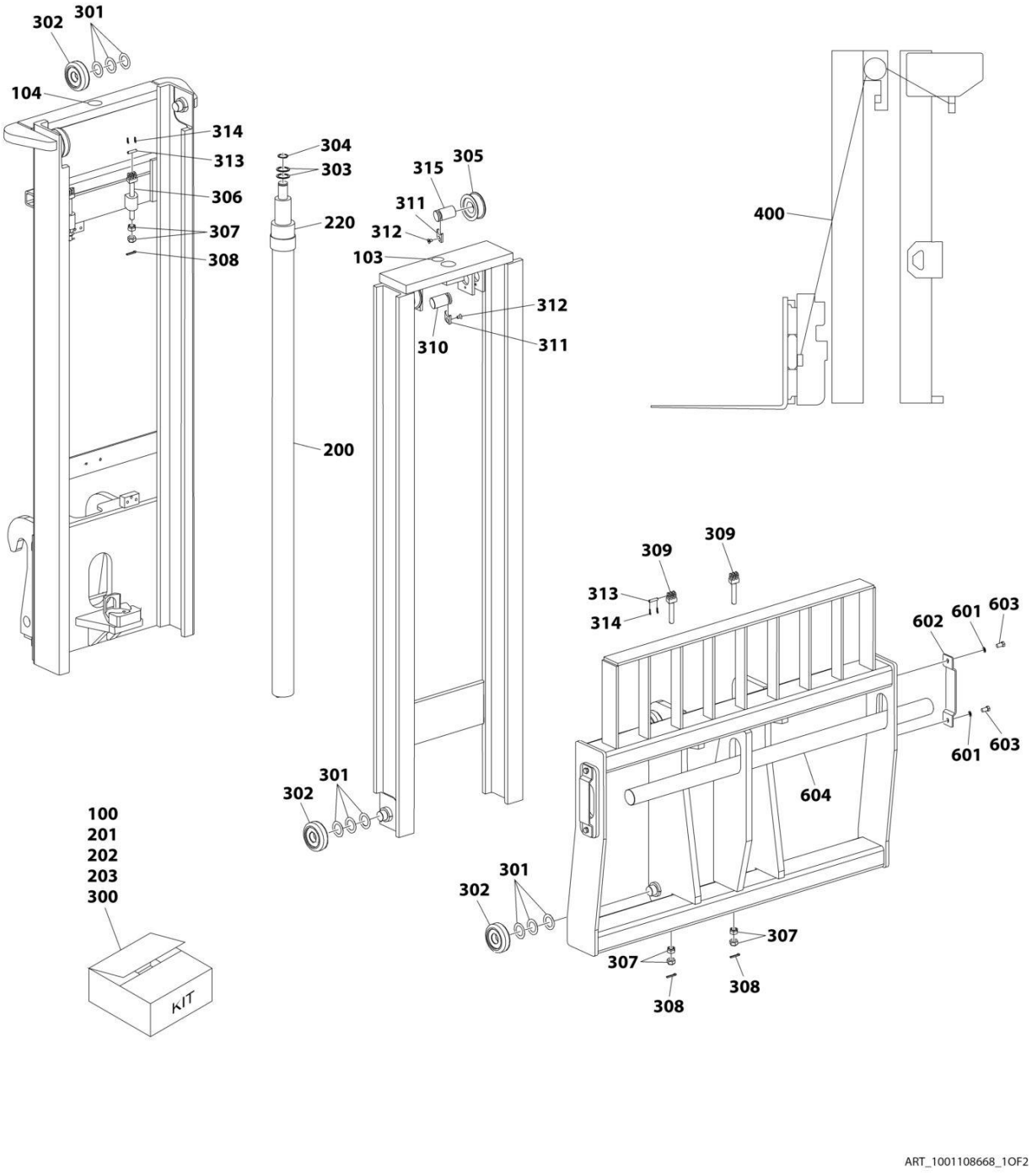


FIGURE 3-49. HOOK, CRANE

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 3-50. MAST, VERTICAL - 8FT (STANDARD)



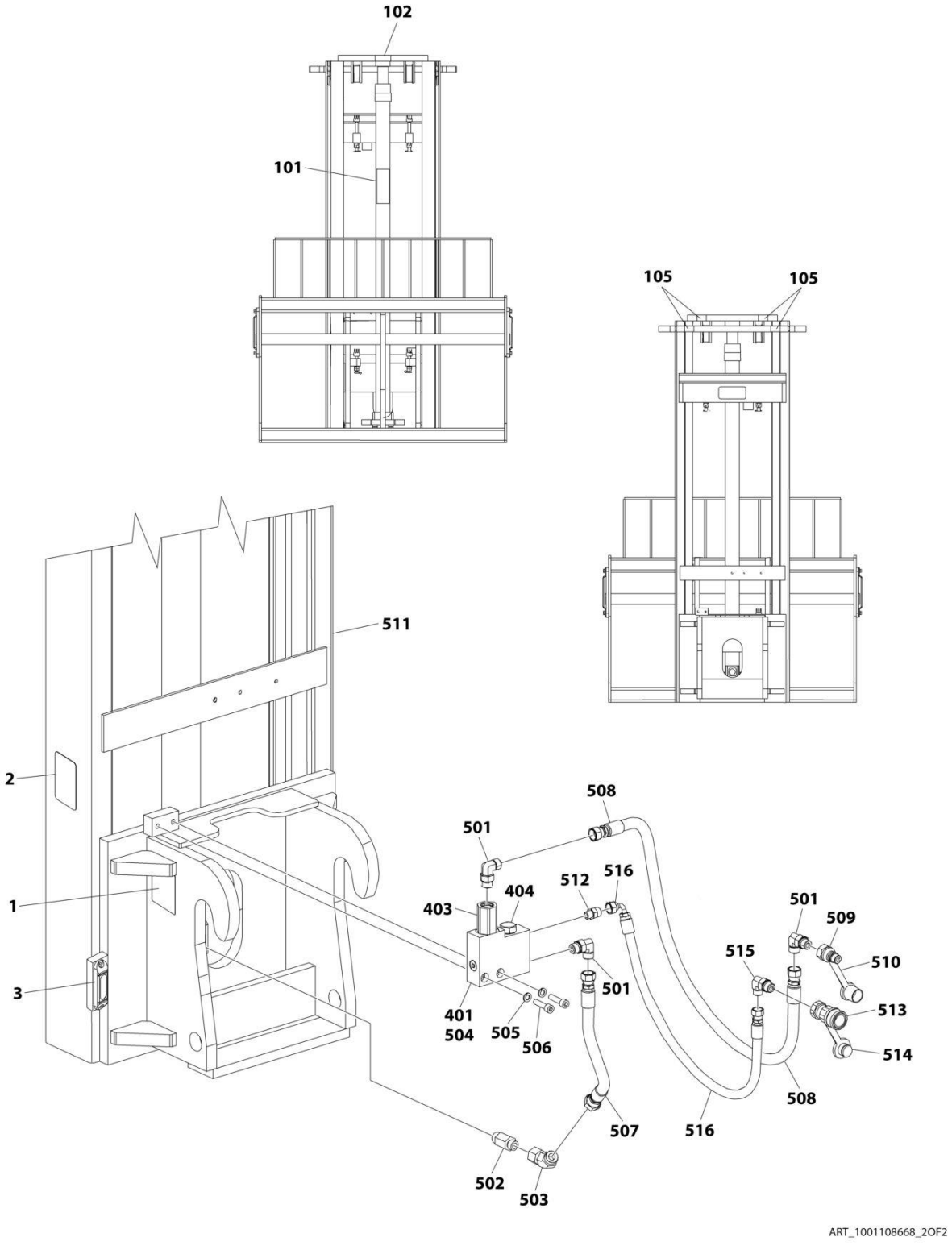
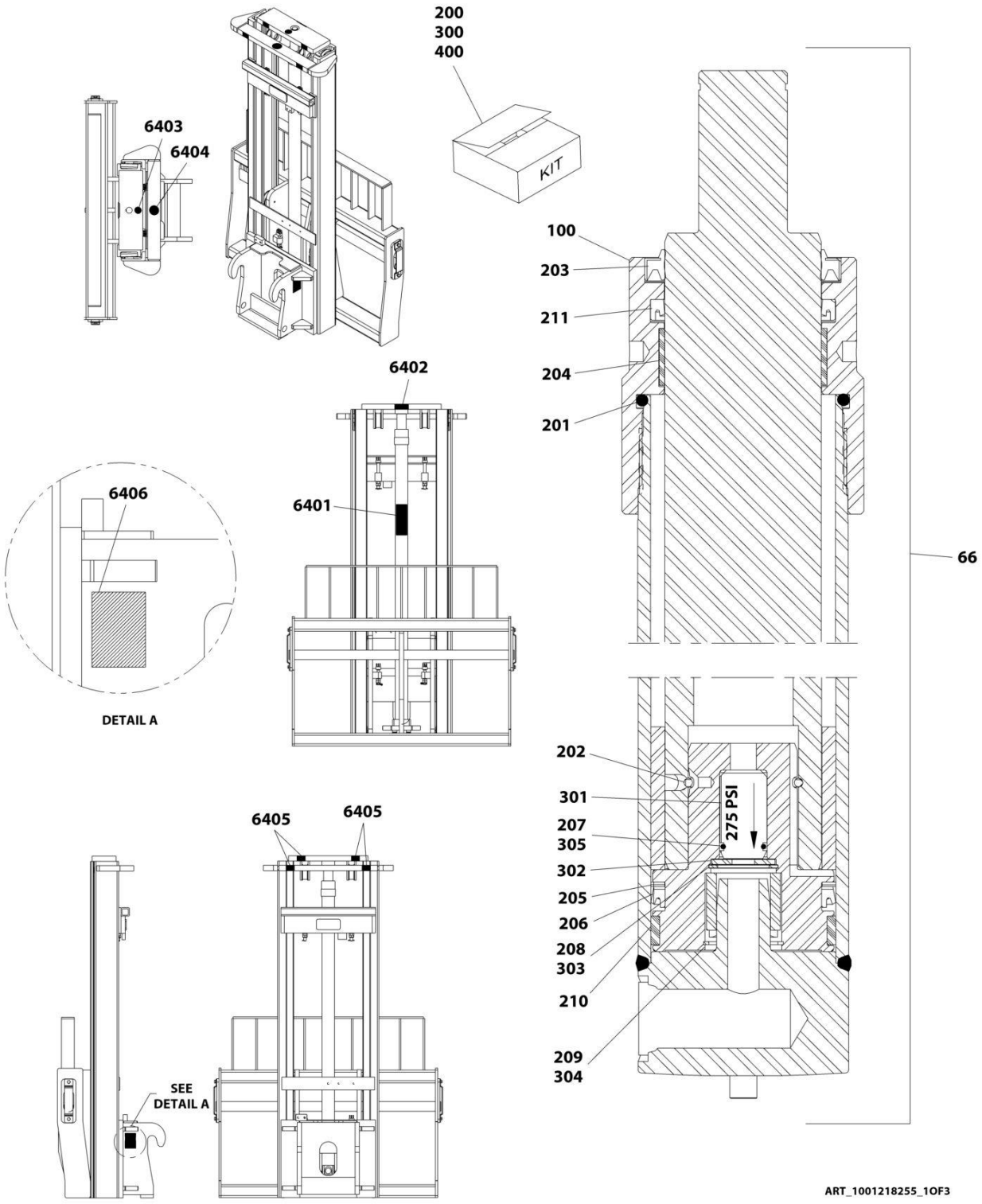

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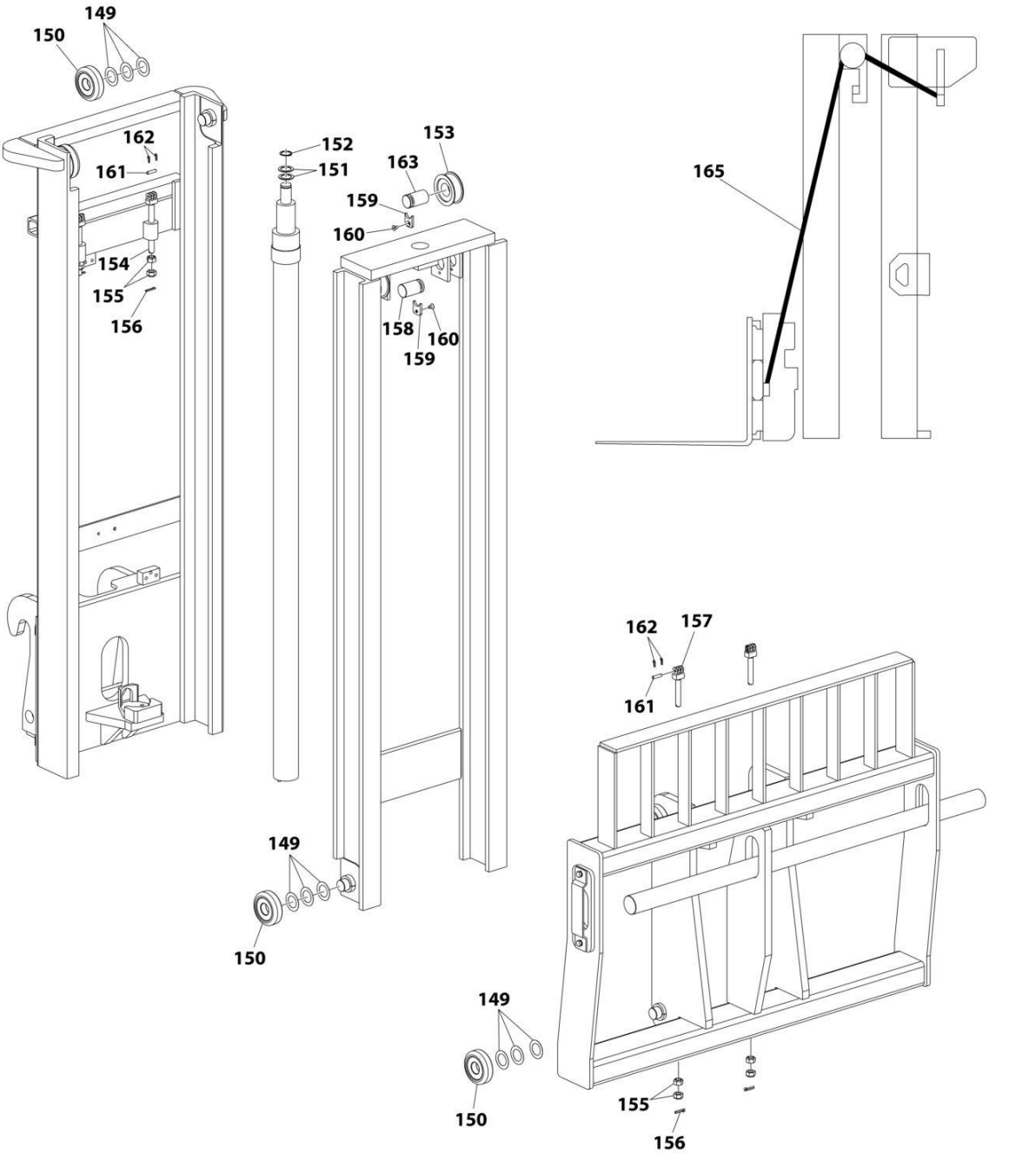
FIGURE 3-50. MAST, VERTICAL - 8FT (STANDARD)

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 3-51. MAST, VERTICAL - 8FT (SIDE TILT ELECTRIC MAST)





ART_1001218255_2OF3

SECTION 3 - ATTACHMENTS

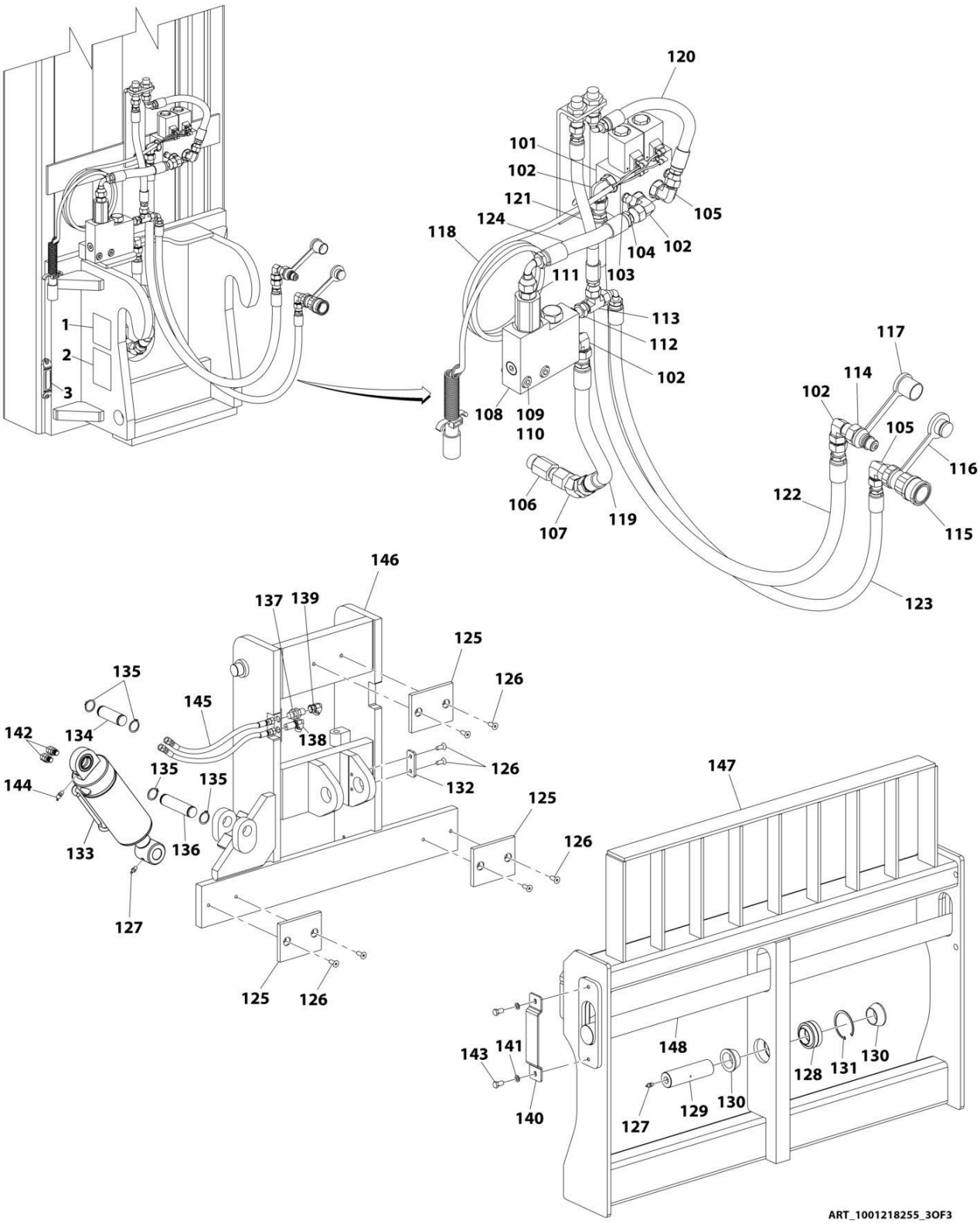


FIGURE 3-51. MAST, VERTICAL - 8FT (SIDE TILT ELECTRIC MAST)

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	

SECTION 3 - ATTACHMENTS

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 3-52. MAST, VERTICAL - DECAL KIT

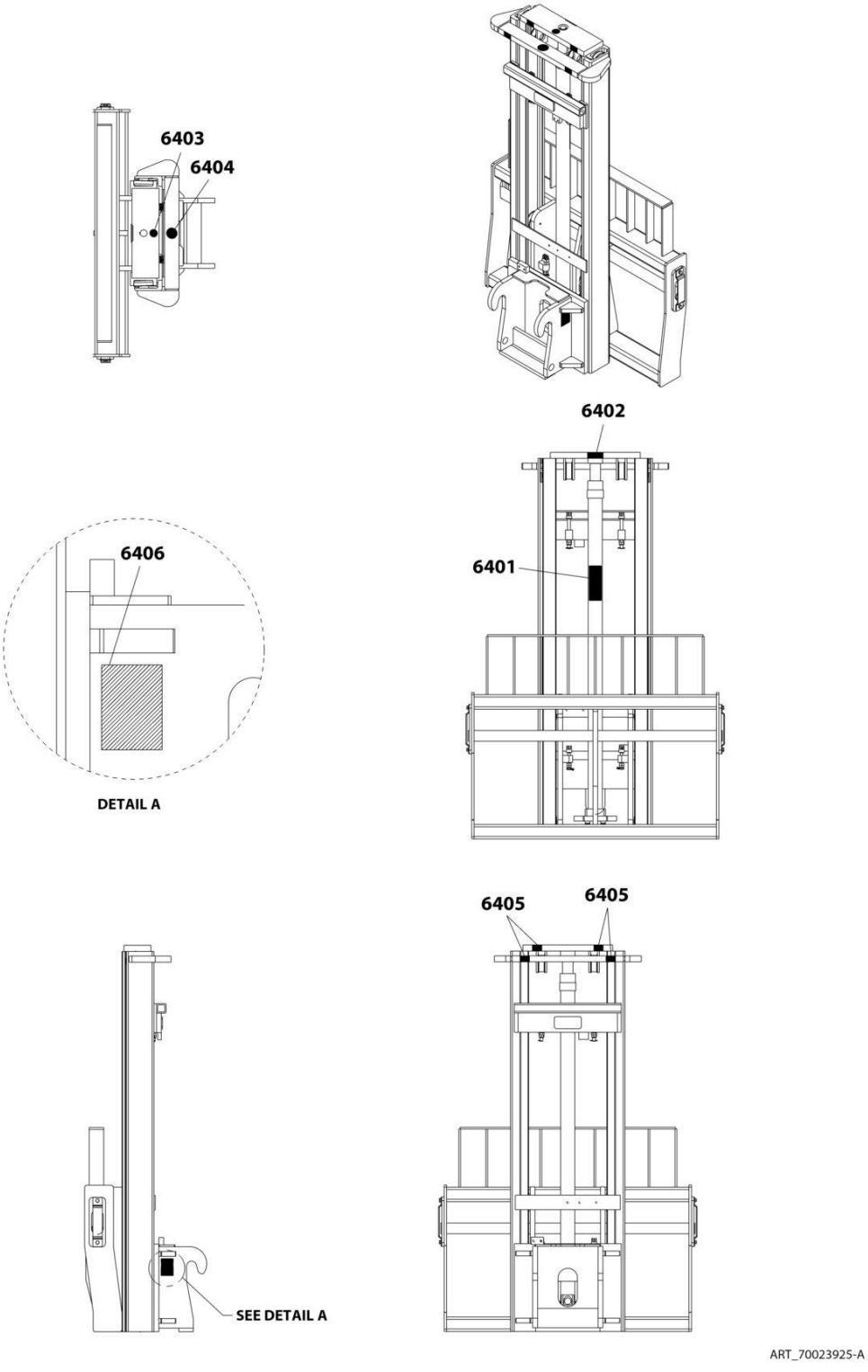


FIGURE 3-52. MAST, VERTICAL - DECAL KIT

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 3-53. MAST, VERTICAL - CYLINDER

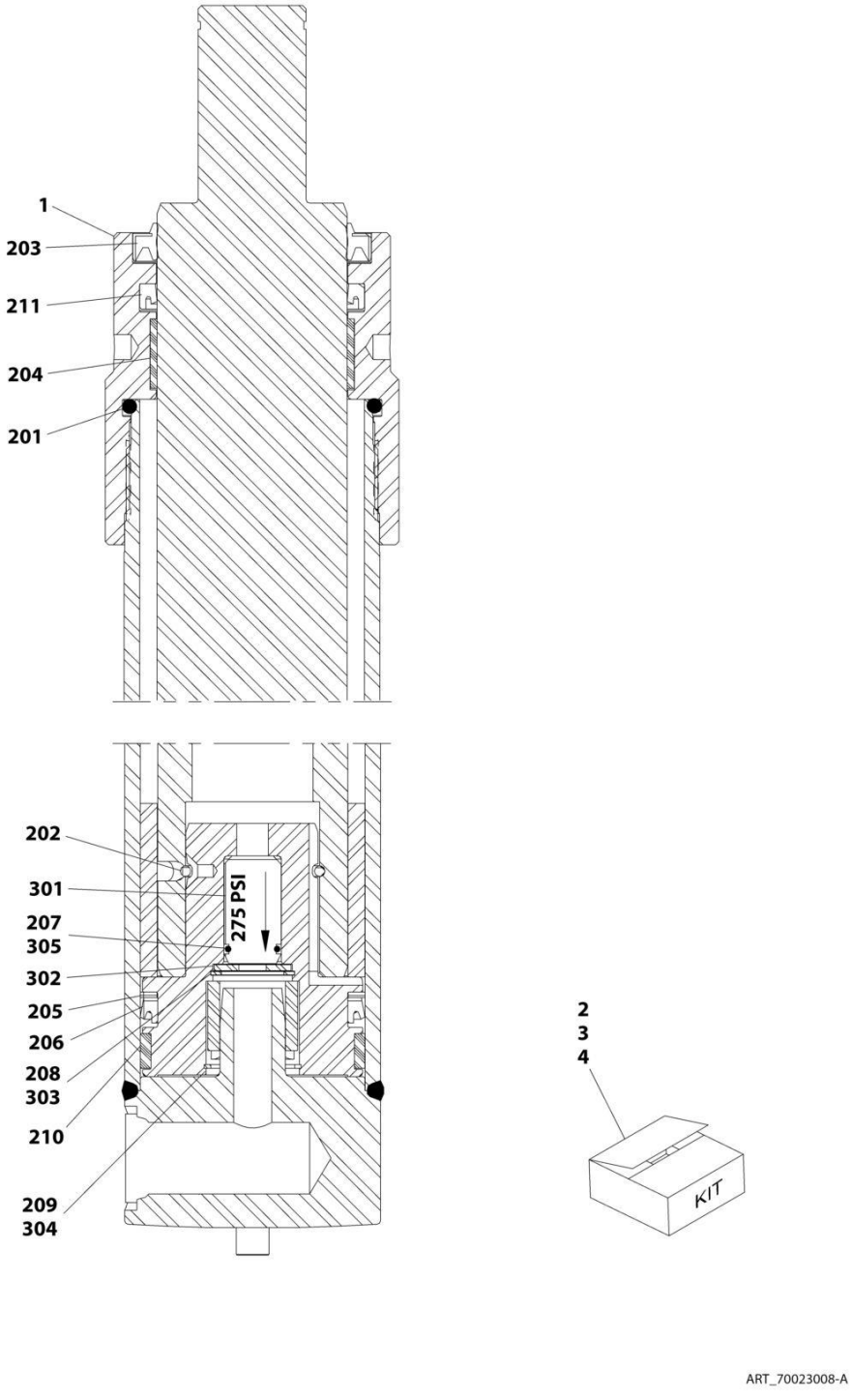


FIGURE 3-53. MAST, VERTICAL - CYLINDER

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 3-54. SWEEPER ASSEMBLY

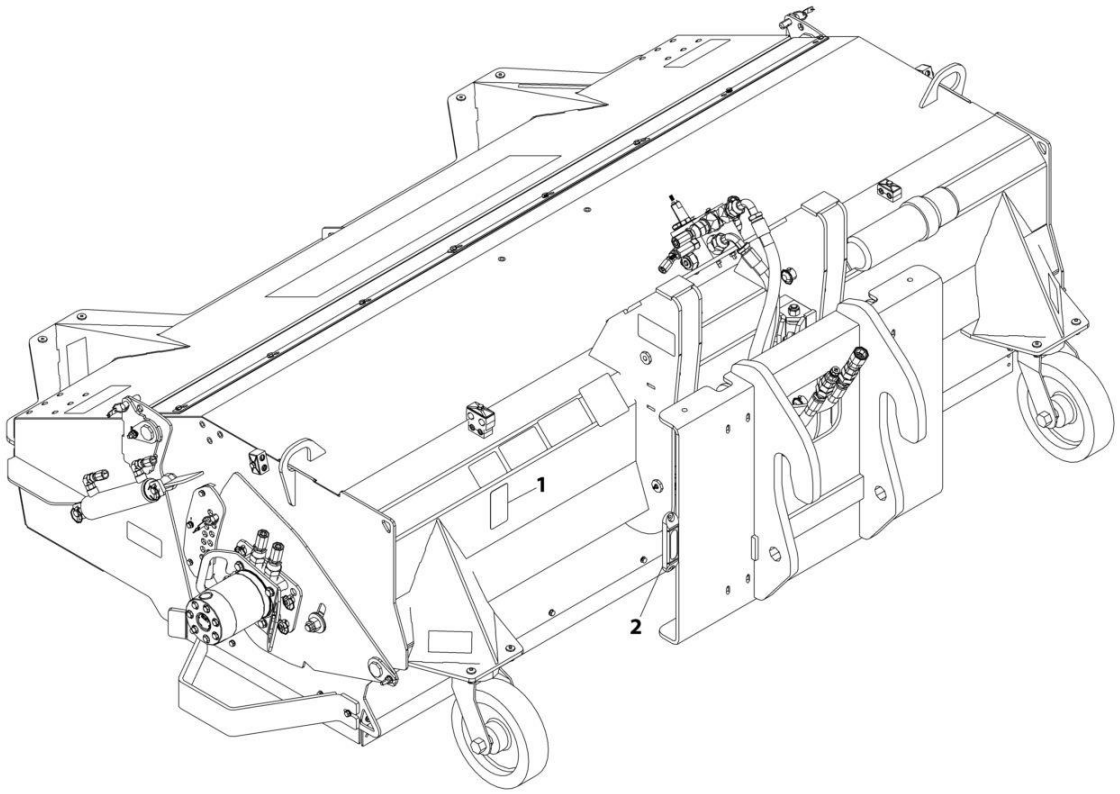


FIGURE 3-54. SWEEPER ASSEMBLY

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 3-55. SWEEPER ASSEMBLY - HOPPER

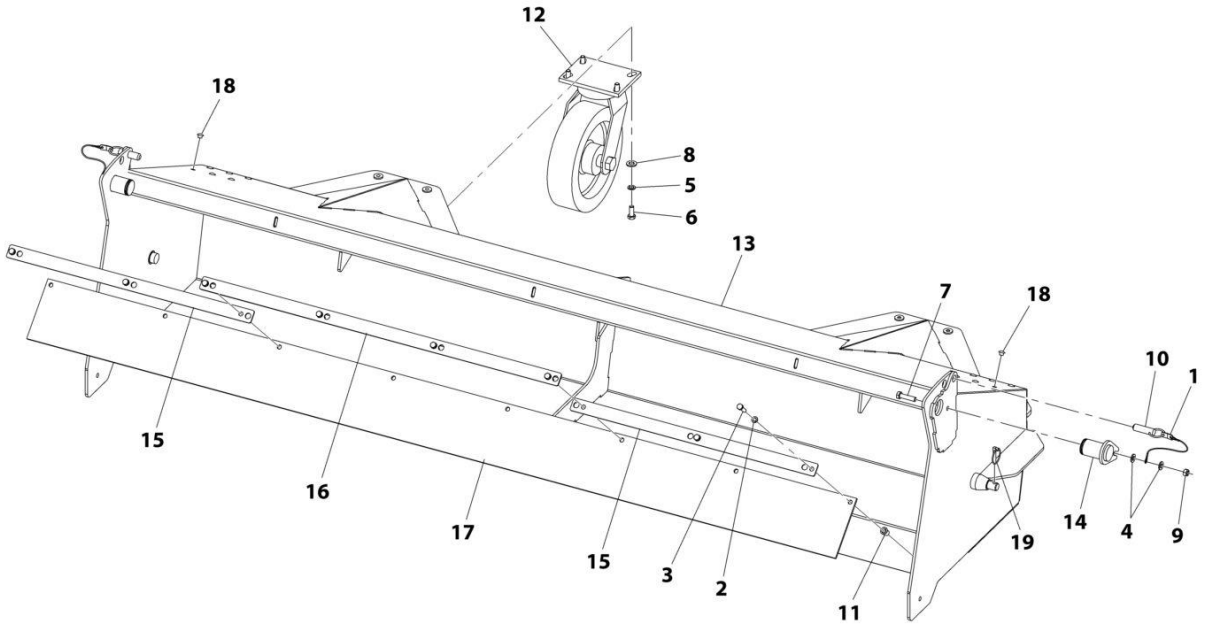


FIGURE 3-55. SWEEPER ASSEMBLY - HOPPER

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 3-56. SWEEPER ASSEMBLY - BODY

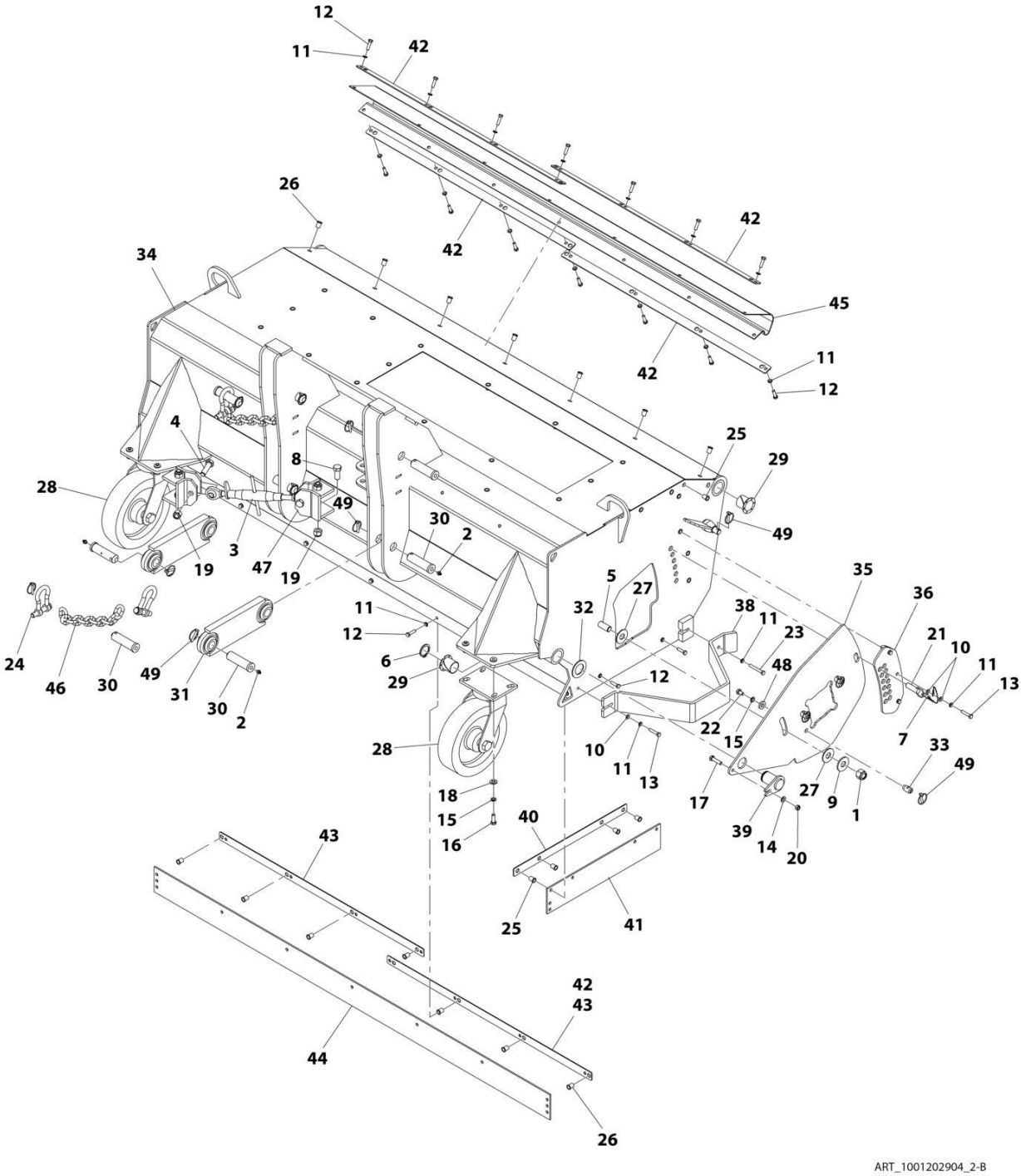


FIGURE 3-56. SWEEPER ASSEMBLY - BODY

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 3-57. SWEEPER ASSEMBLY - MOTOR

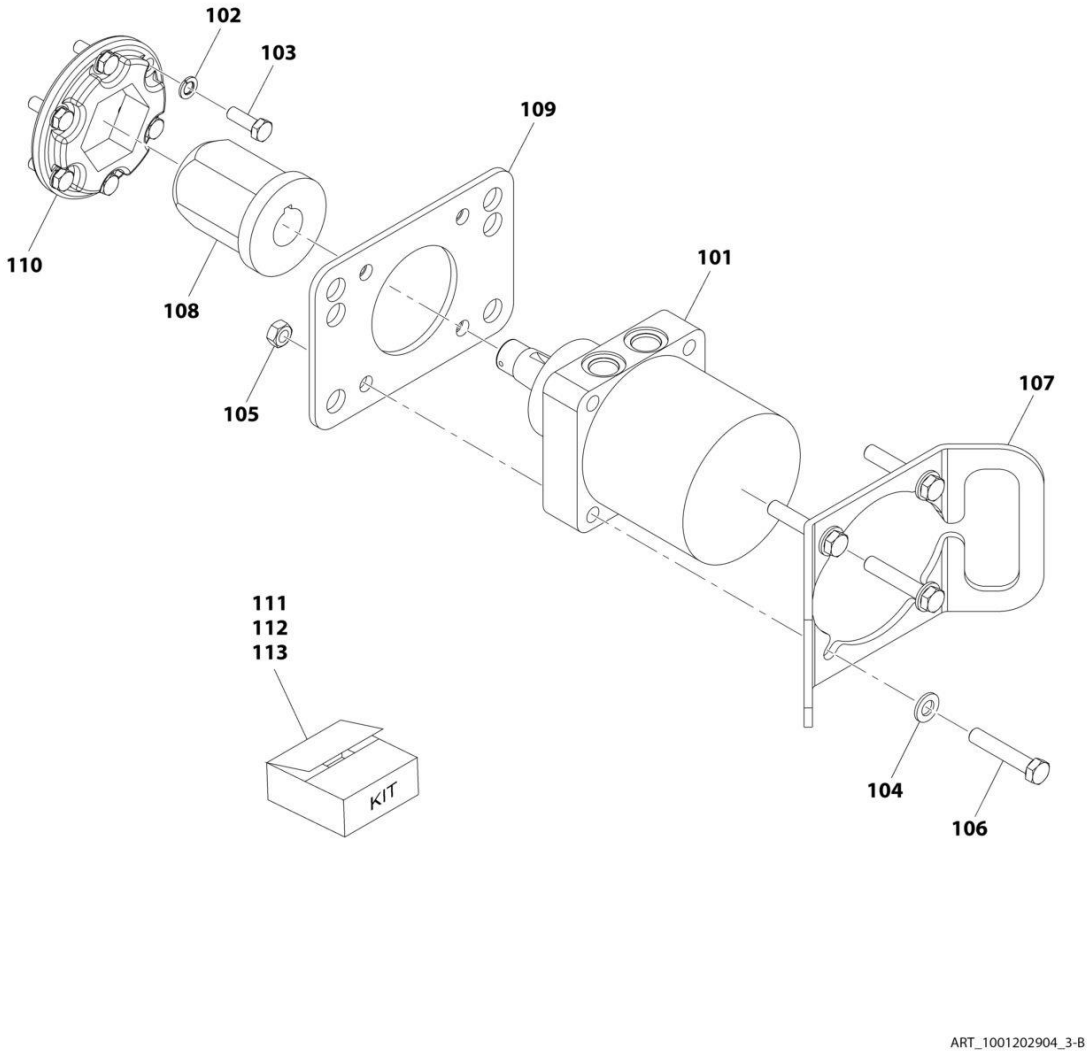


FIGURE 3-57. SWEEPER ASSEMBLY - MOTOR

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 3-58. SWEEPER ASSEMBLY - IDLER

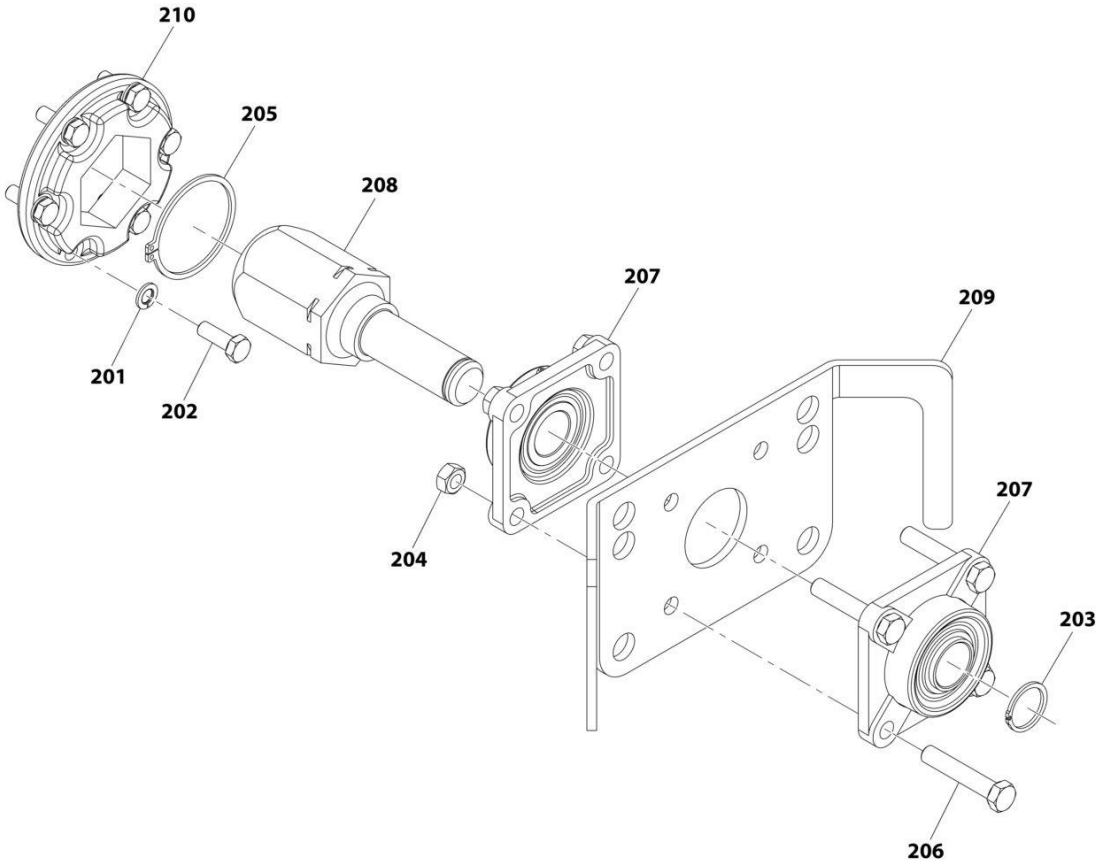


FIGURE 3-58. SWEEPER ASSEMBLY - IDLER

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 3-59. SWEEPER ASSEMBLY - CORE

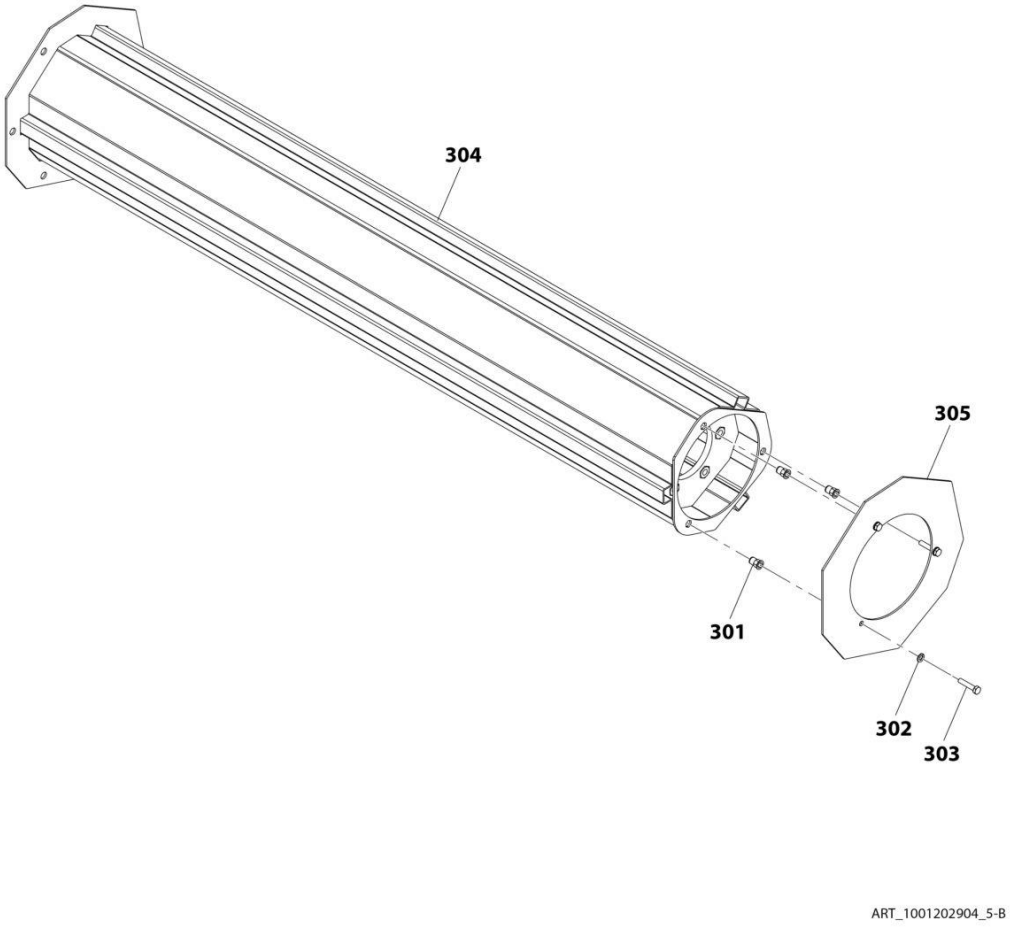


FIGURE 3-59. SWEEPER ASSEMBLY - CORE

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 3-60. SWEEPER ASSEMBLY - HYDRAULIC SINGLE MOTOR ASSEMBLY

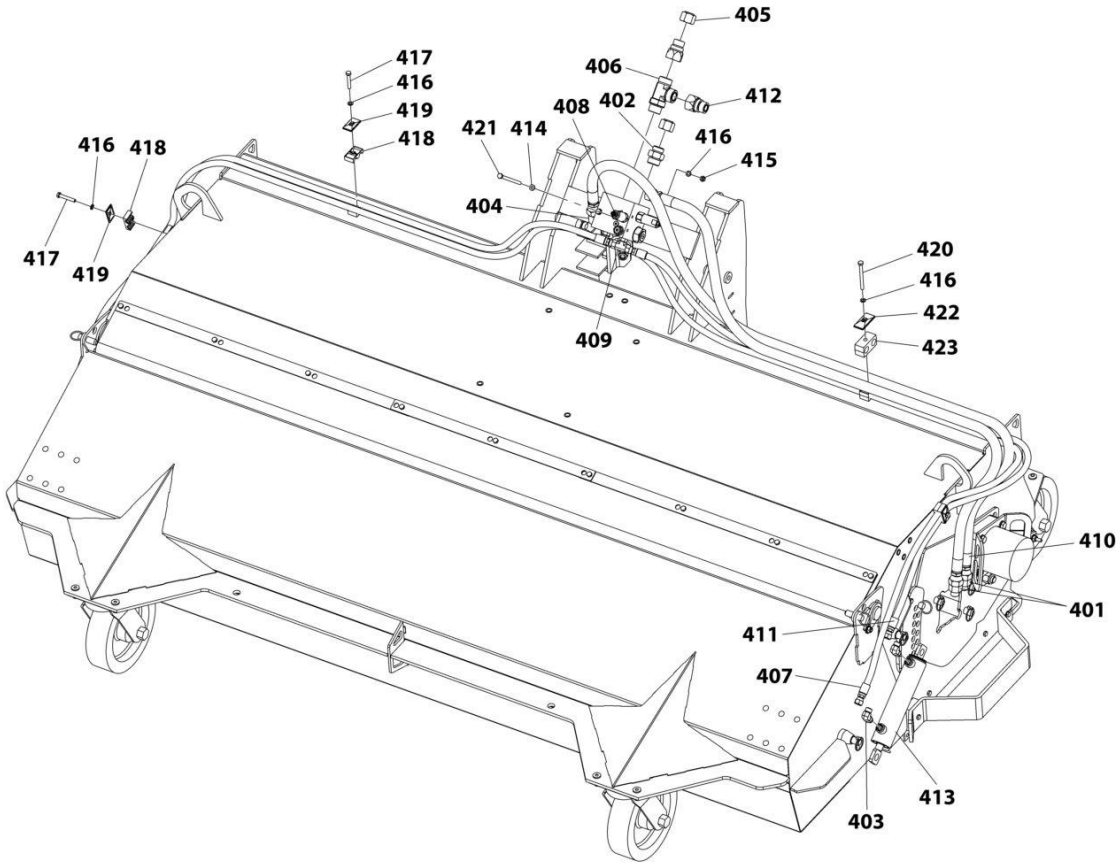


FIGURE 3-60. SWEEPER ASSEMBLY - HYDRAULIC SINGLE MOTOR ASSEMBLY

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 3-61. TRASH HOPPER

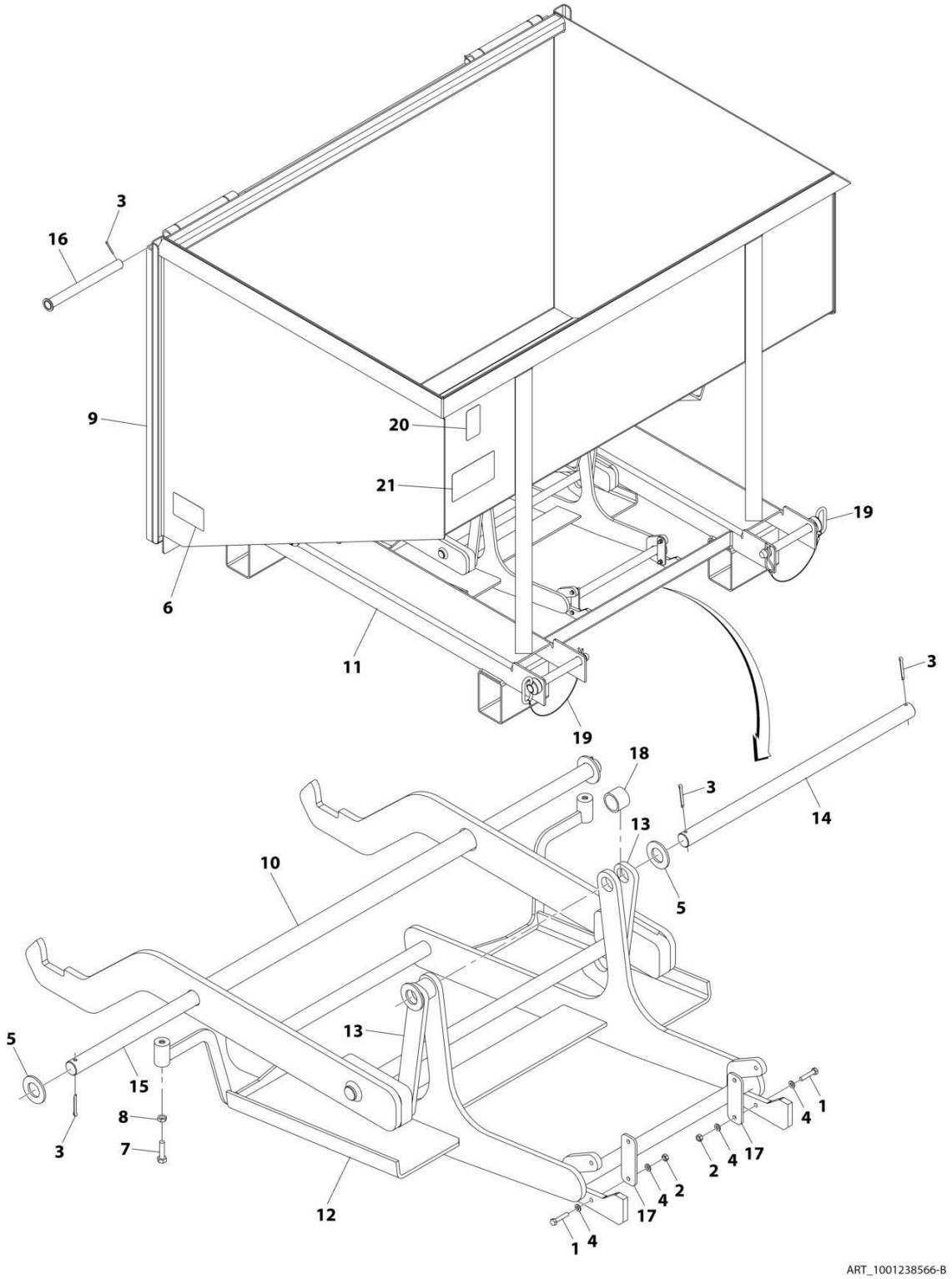


FIGURE 3-61. TRASH HOPPER

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, 110HP (ULS)

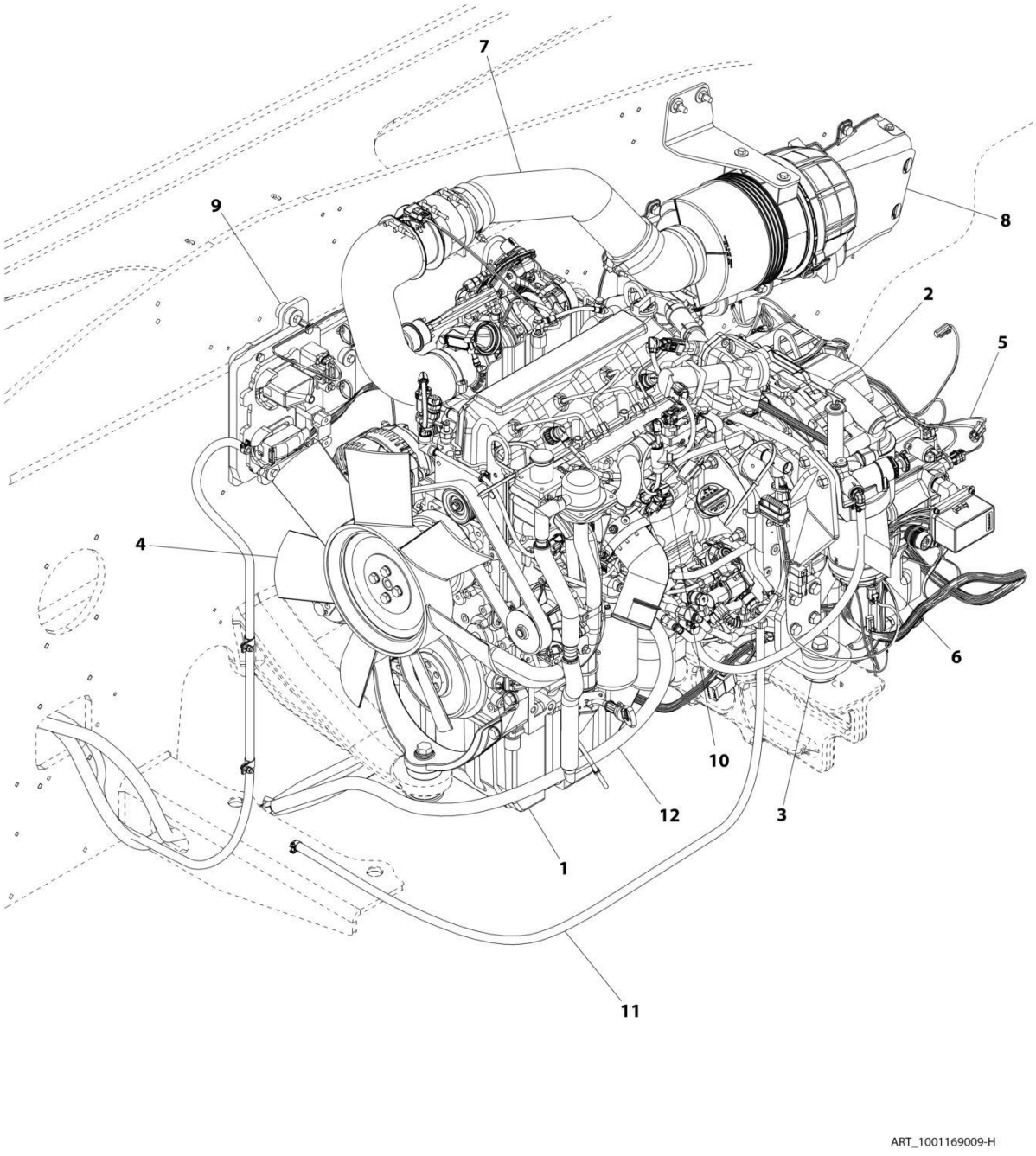


FIGURE 4-1. ENGINE INSTALLATION, 110HP (ULS)

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 4-2. ENGINE COMPONENTS, 110HP (ULS)

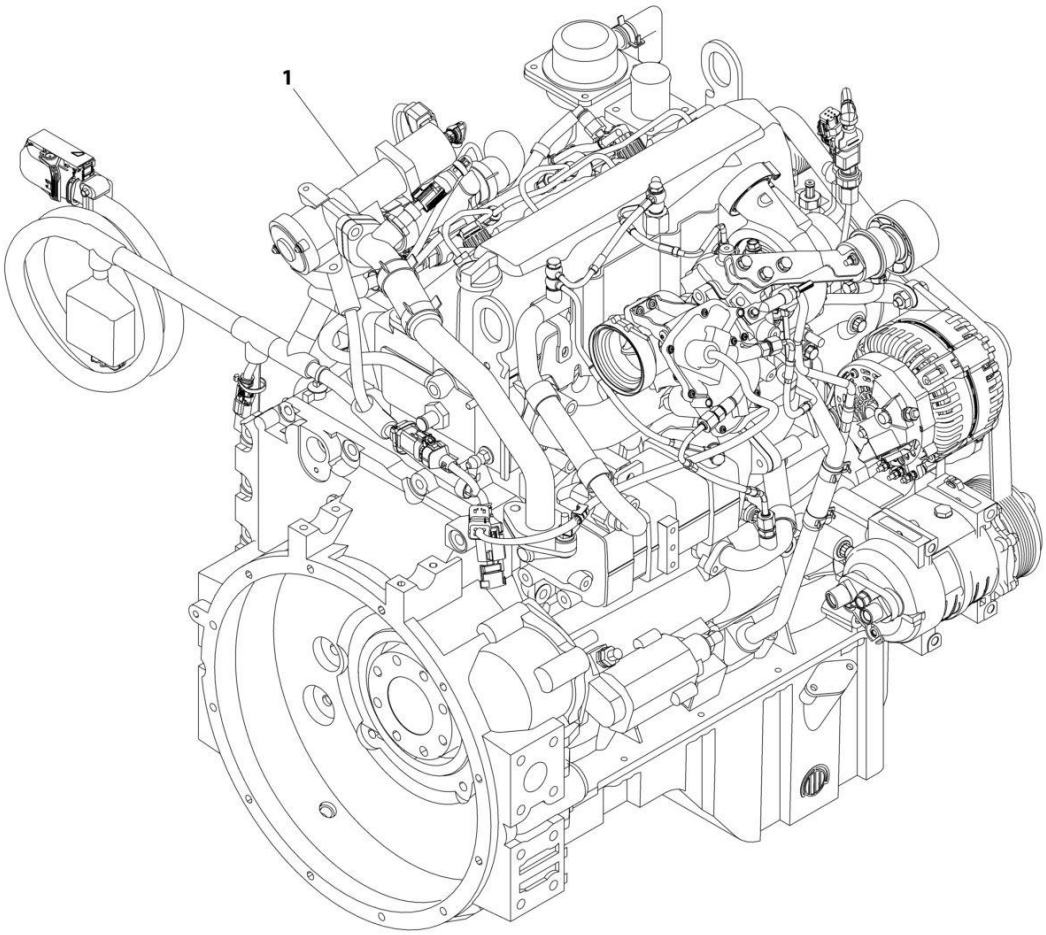


FIGURE 4-2. ENGINE COMPONENTS, 110HP (ULS)

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 4-3. ENGINE INSTALLATION, 110HP (LS)

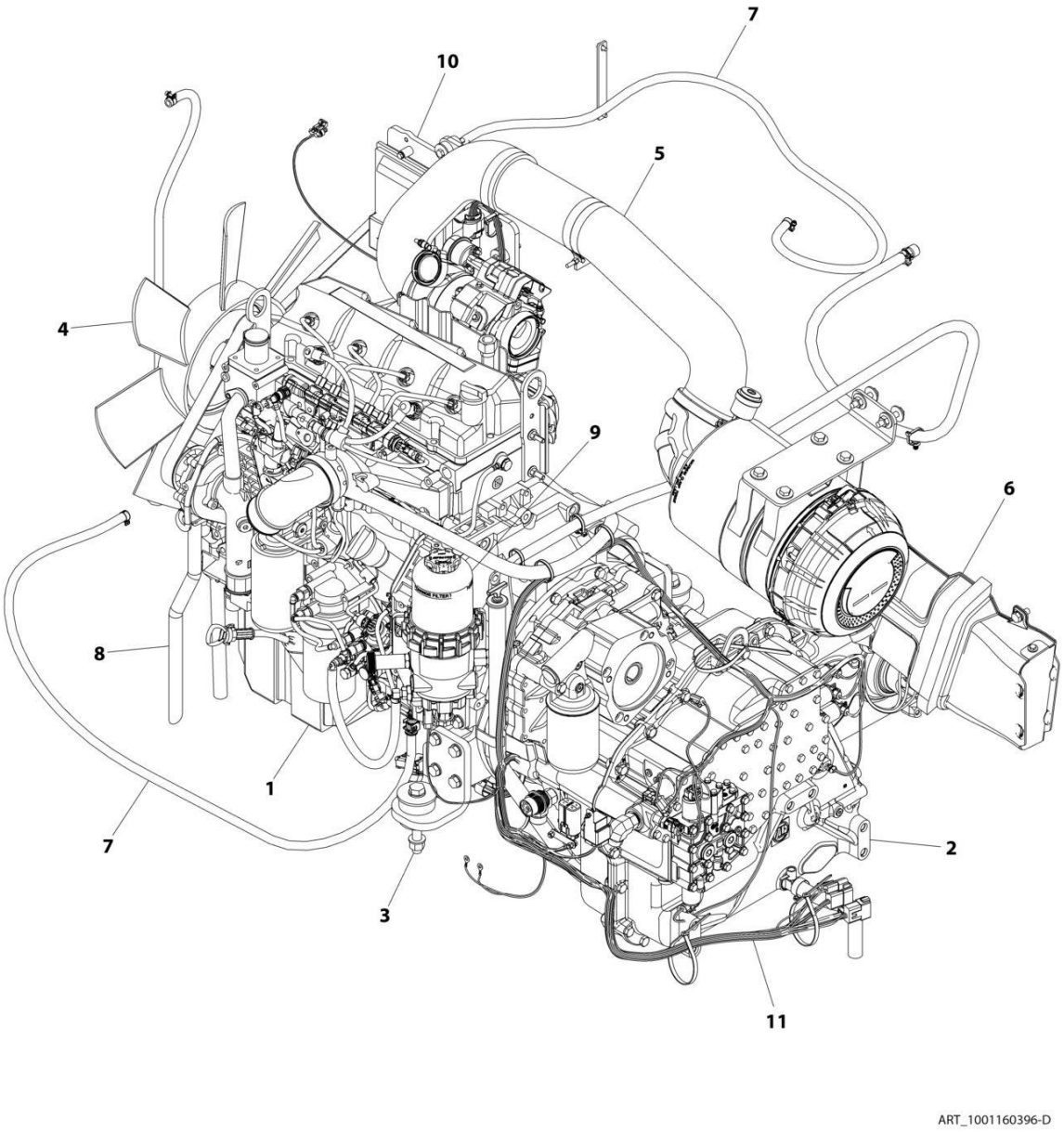


FIGURE 4-3. ENGINE INSTALLATION, 110HP (LS)

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

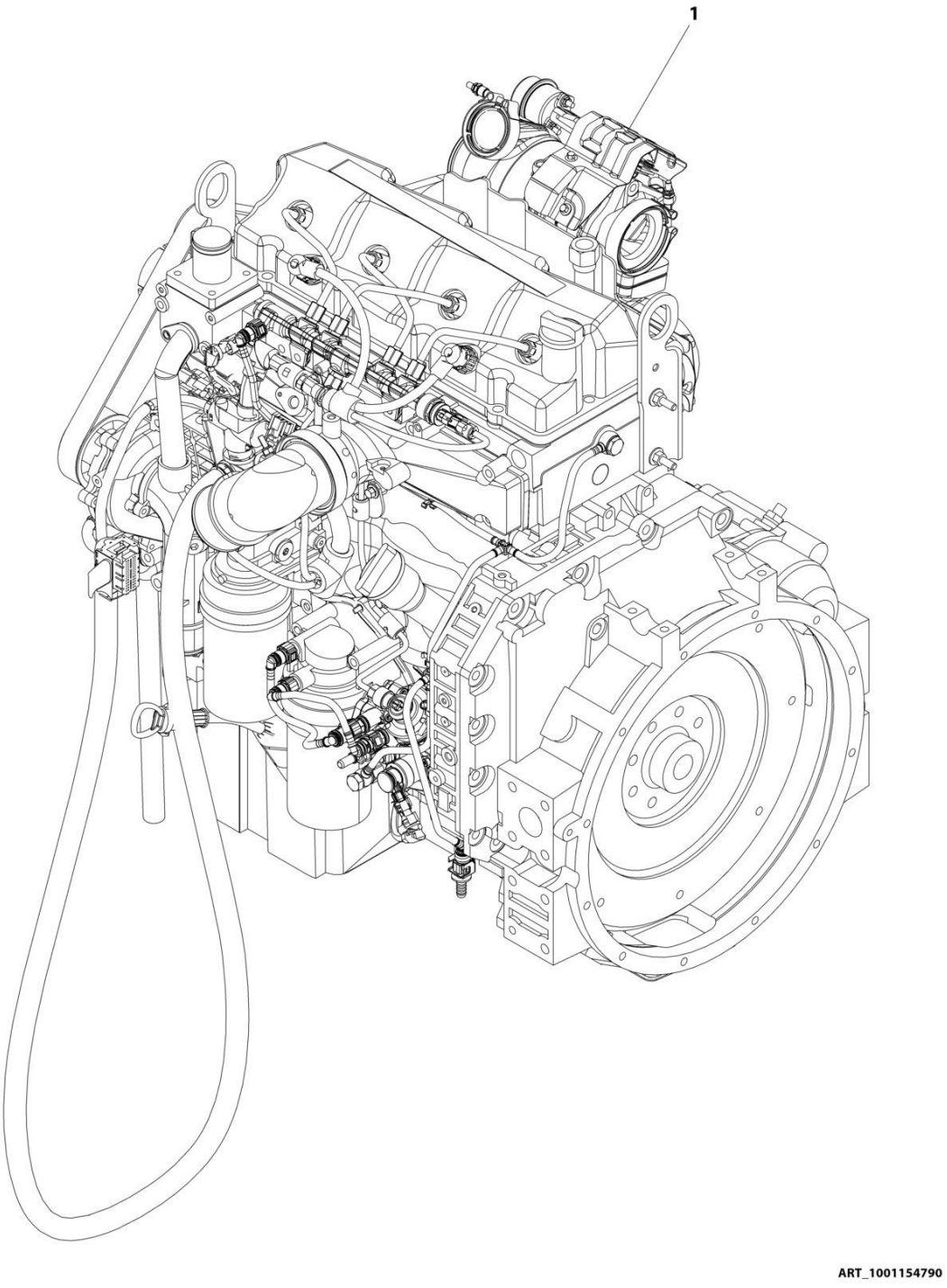


FIGURE 4-4. ENGINE COMPONENTS, 110HP (LS)

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 4-5. ENGINE MOUNTING INSTALLATION

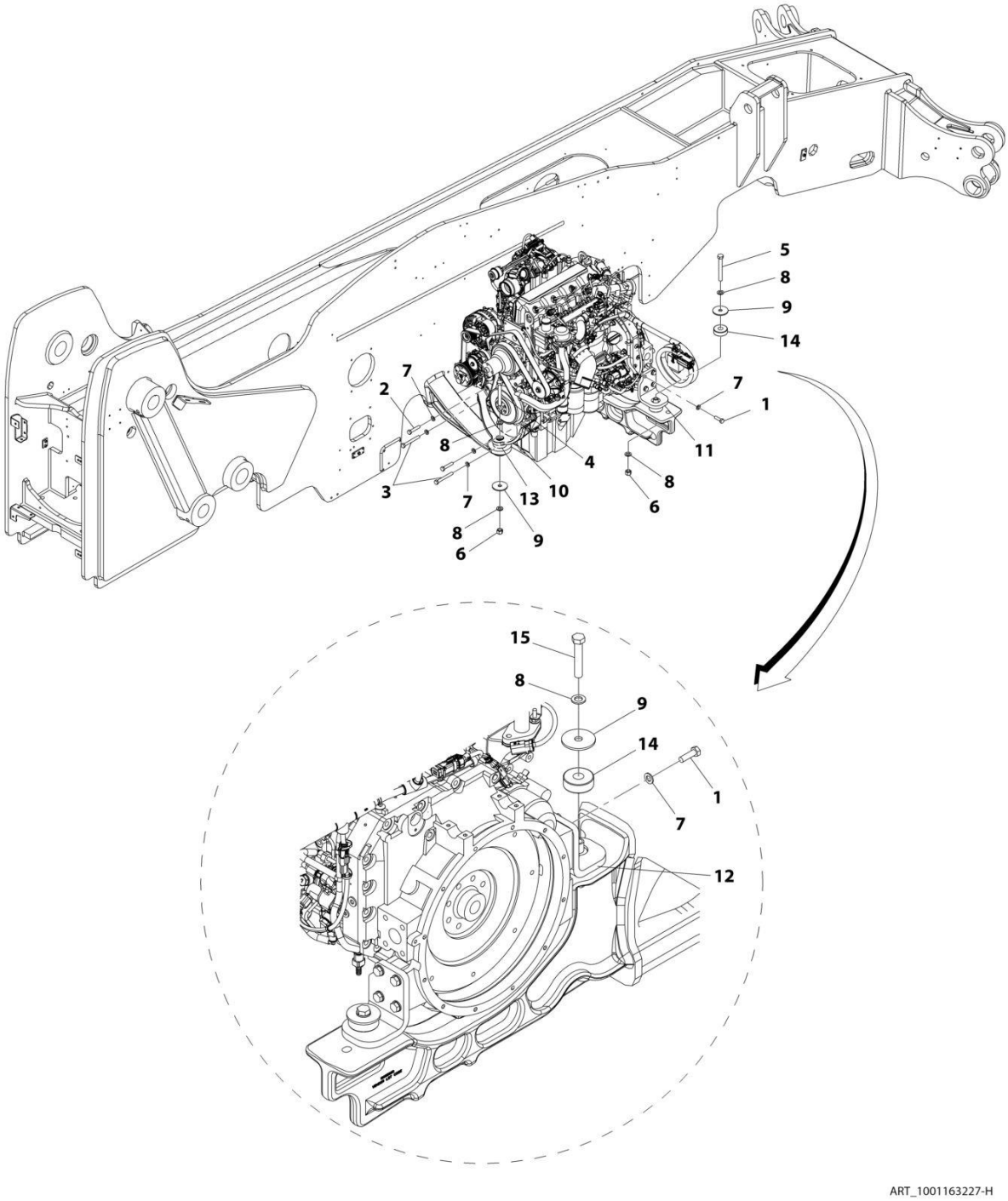
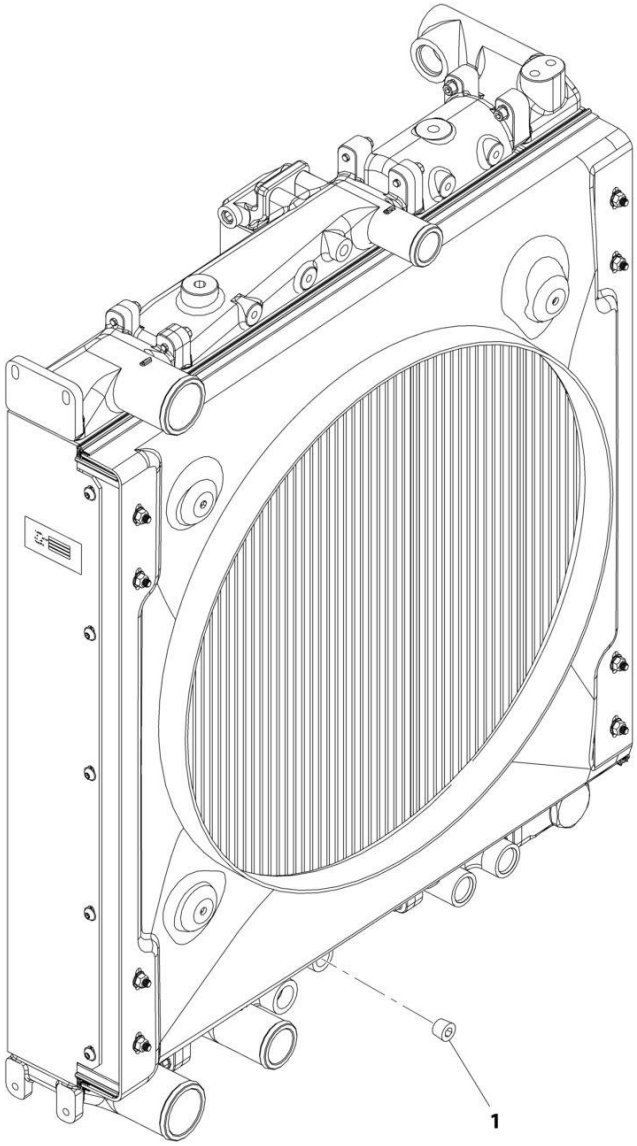


FIGURE 4-5. ENGINE MOUNTING INSTALLATION

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 4-6. ENGINE PARTS INSTALLATION (NO HEATER)



ART_1001163133-D

FIGURE 4-6. ENGINE PARTS INSTALLATION (NO HEATER)

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

FIGURE 4-7. ENGINE PARTS INSTALLATION (HEATER)

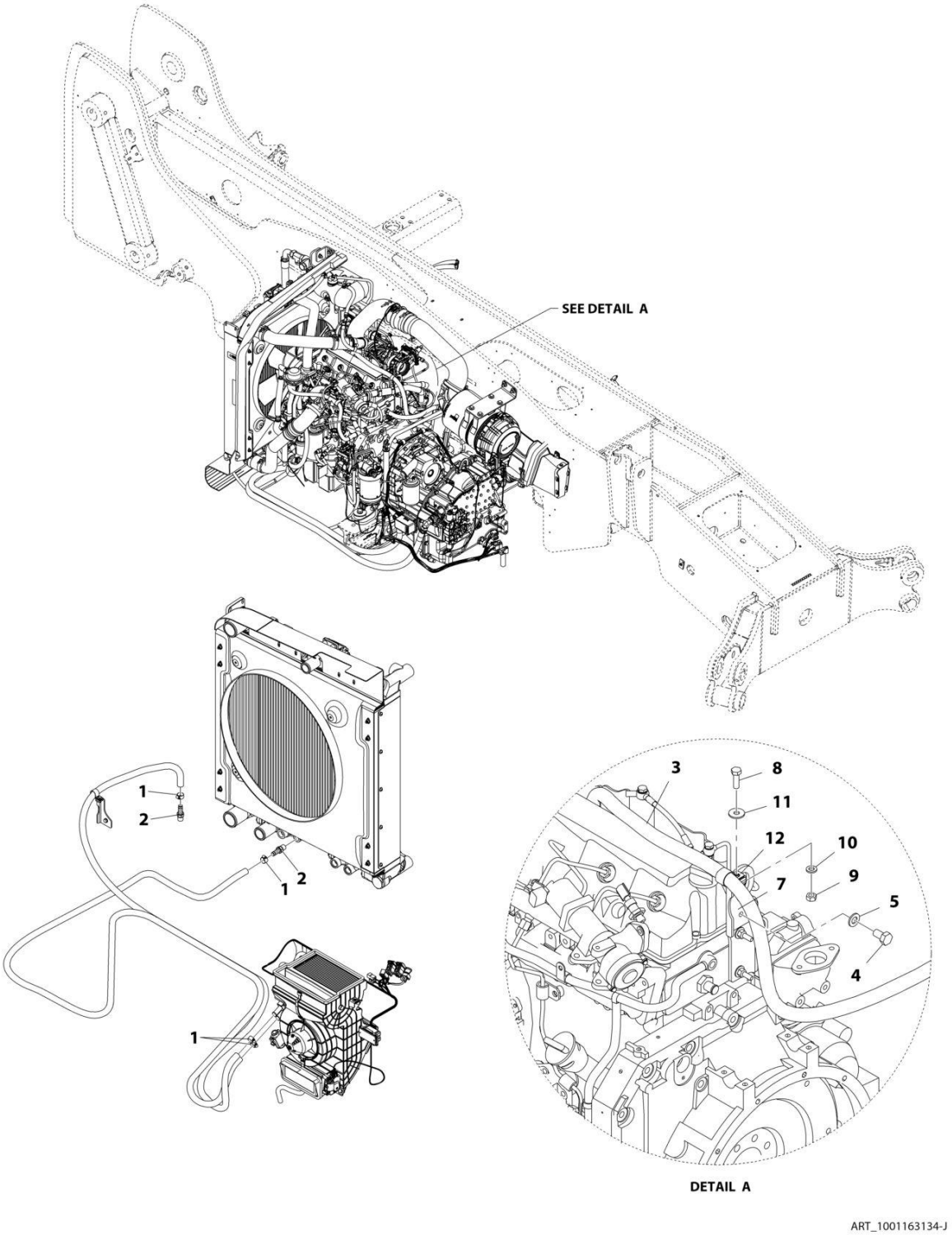


FIGURE 4-7. ENGINE PARTS INSTALLATION (HEATER)

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 4-8. AIR CLEANER INSTALLATION (ULS)

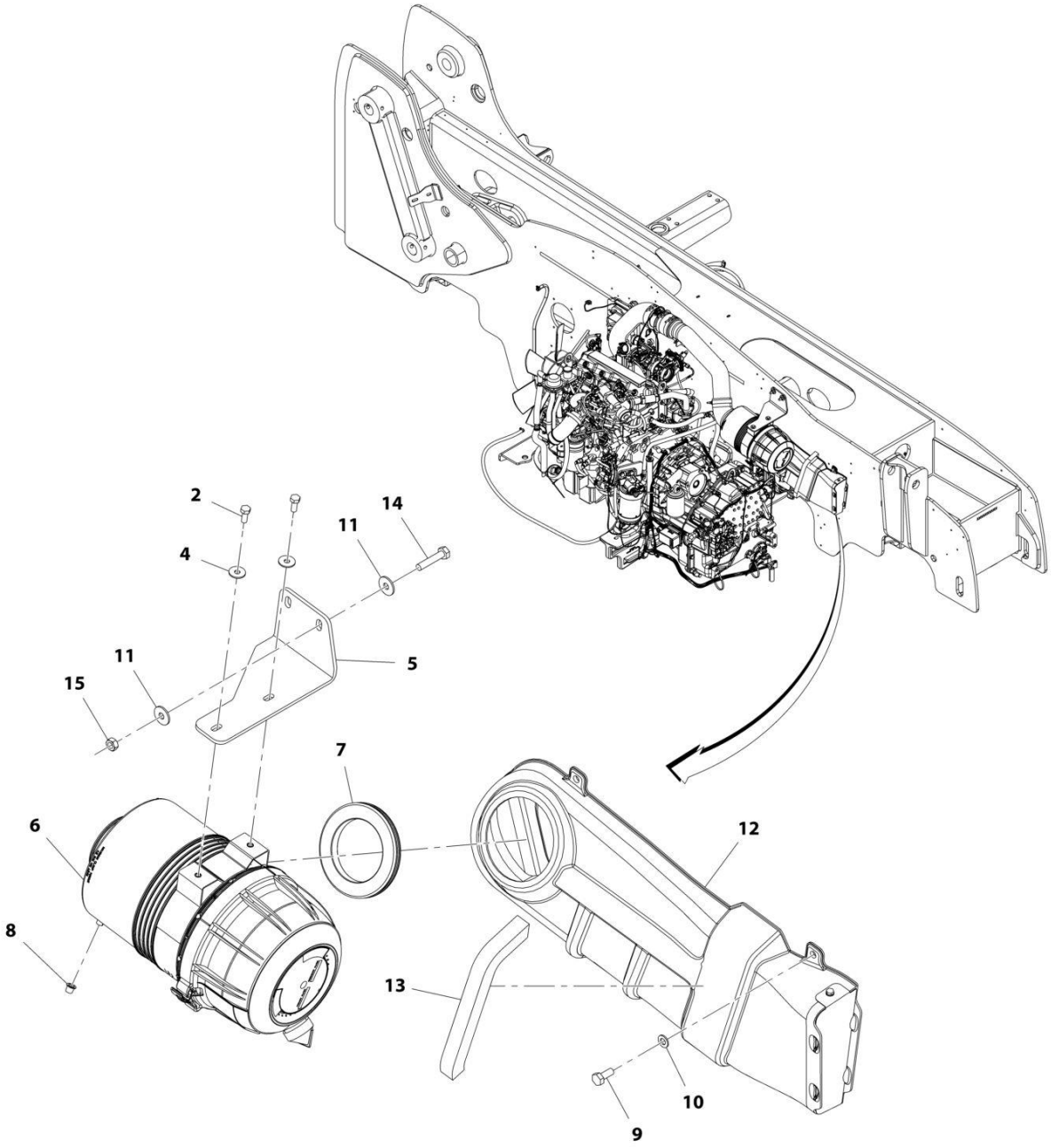


FIGURE 4-8. AIR CLEANER INSTALLATION (ULS)

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 4-9. AIR CLEANER INSTALLATION (LS)

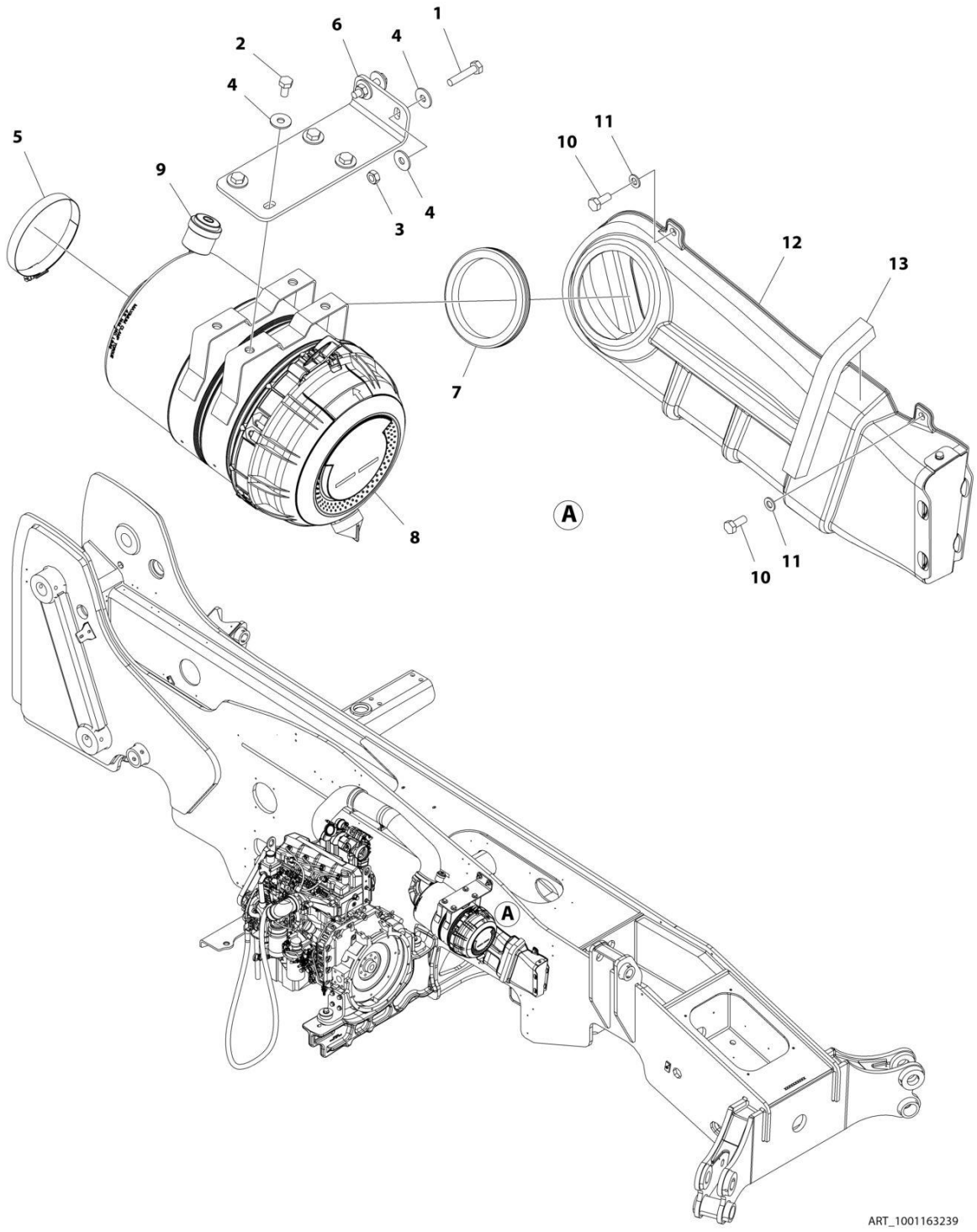


FIGURE 4-9. AIR CLEANER INSTALLATION (LS)

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 4-10. AIR CLEANER ASSEMBLY, 110HP

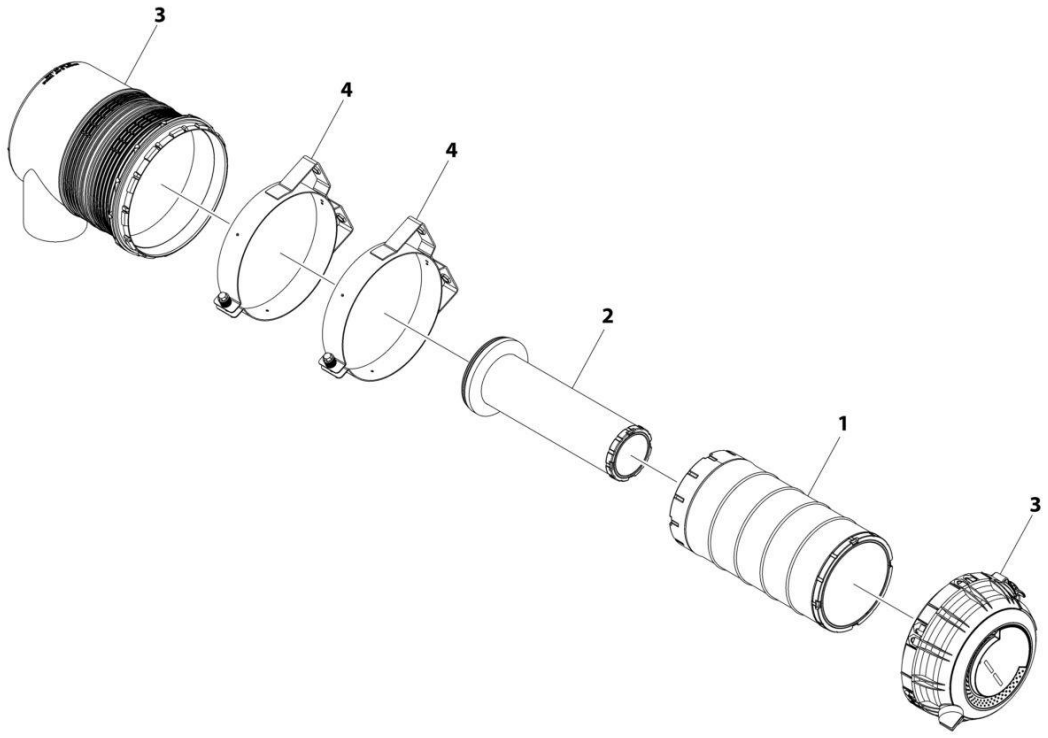


FIGURE 4-10. AIR CLEANER ASSEMBLY, 110HP

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 4-11. AIR INTAKE DUCT INSTALLATION

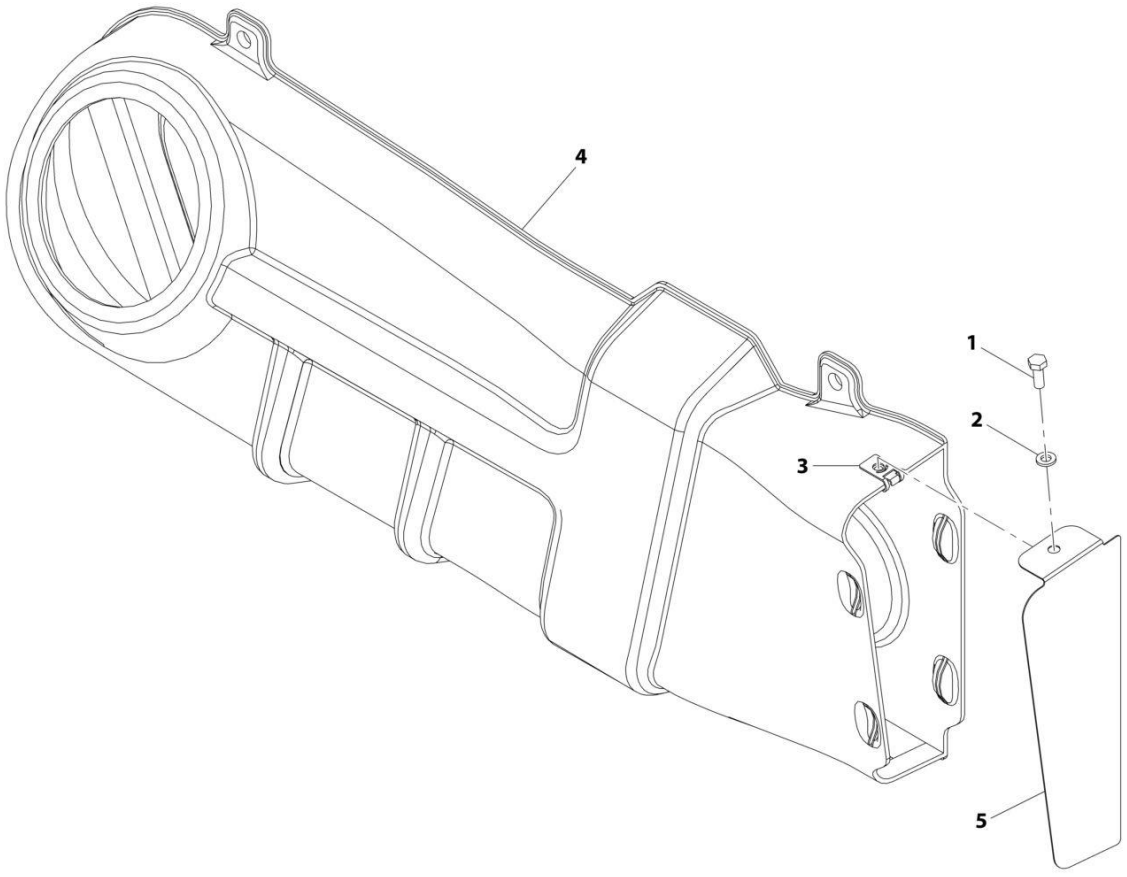


FIGURE 4-11. AIR INTAKE DUCT INSTALLATION

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 4-12. AIR CLEANER LINES INSTALLATION (ULS)

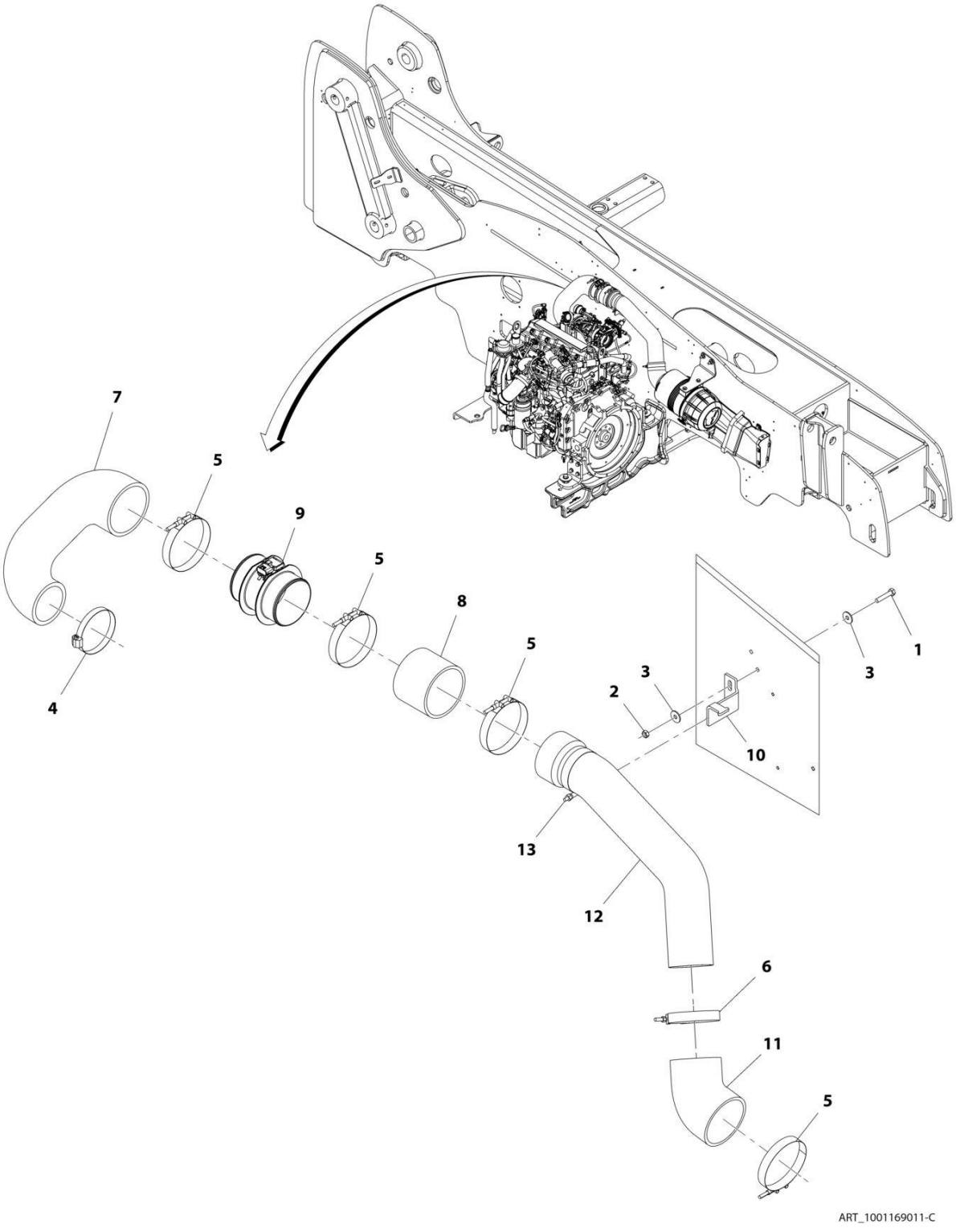


FIGURE 4-12. AIR CLEANER LINES INSTALLATION (ULS)

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 4-13. AIR CLEANER LINES INSTALLATION (LS)

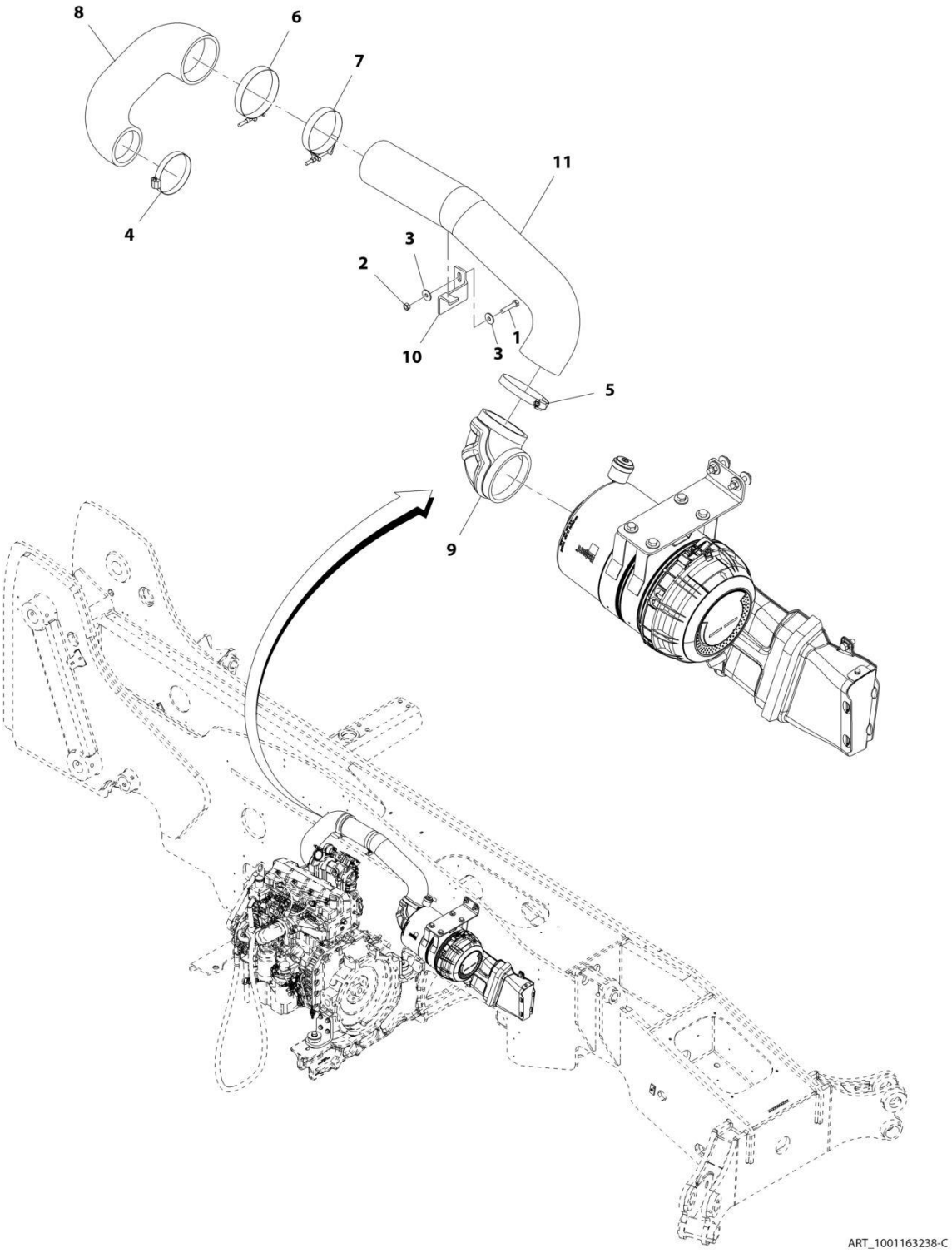


FIGURE 4-13. AIR CLEANER LINES INSTALLATION (LS)

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 4-14. AIR INTAKE SHUT OFF VALVE INSTALLATION

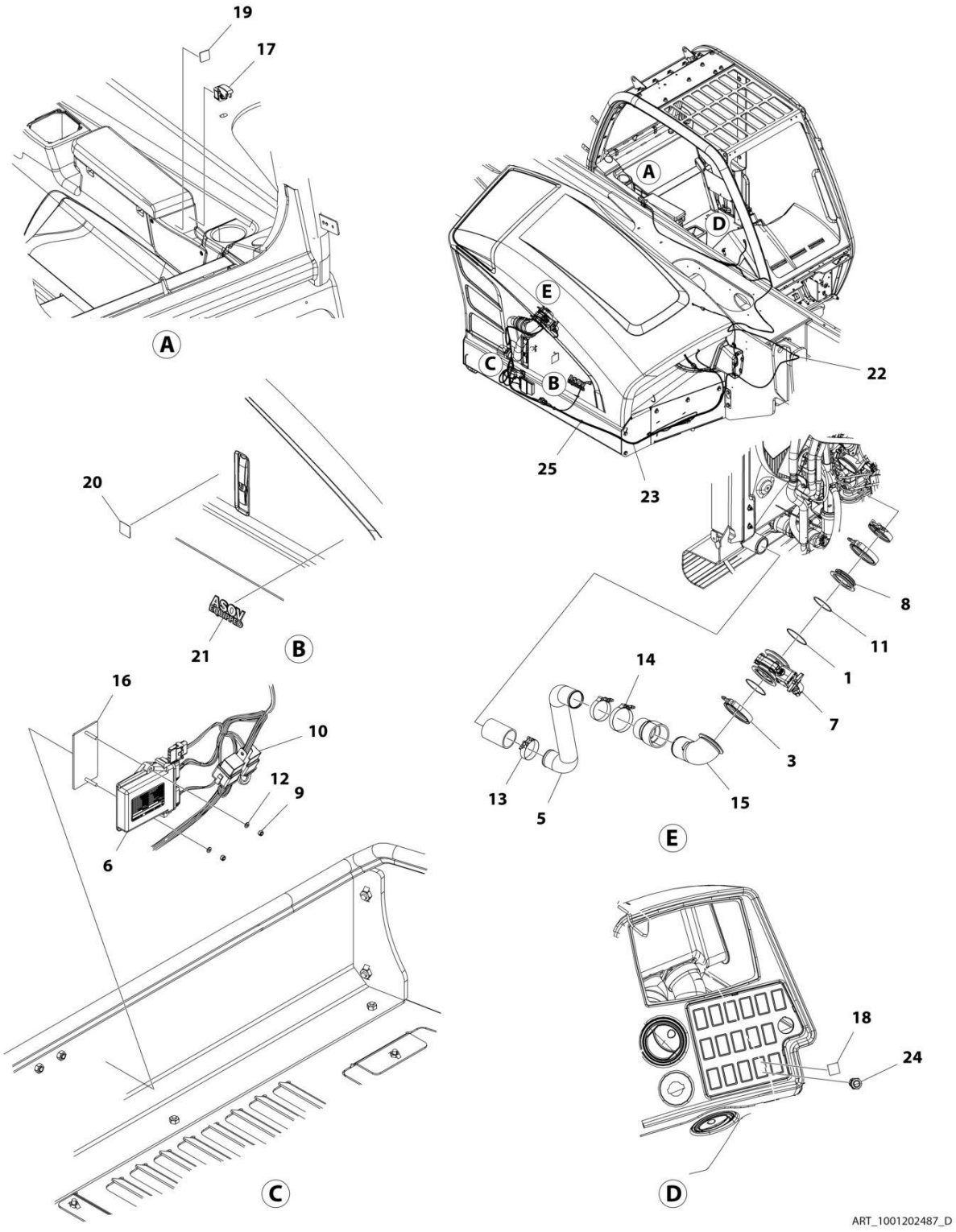


FIGURE 4-14. AIR INTAKE SHUT OFF VALVE INSTALLATION

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 4-15. EXHAUST INSTALLATION, 110HP (ULS)

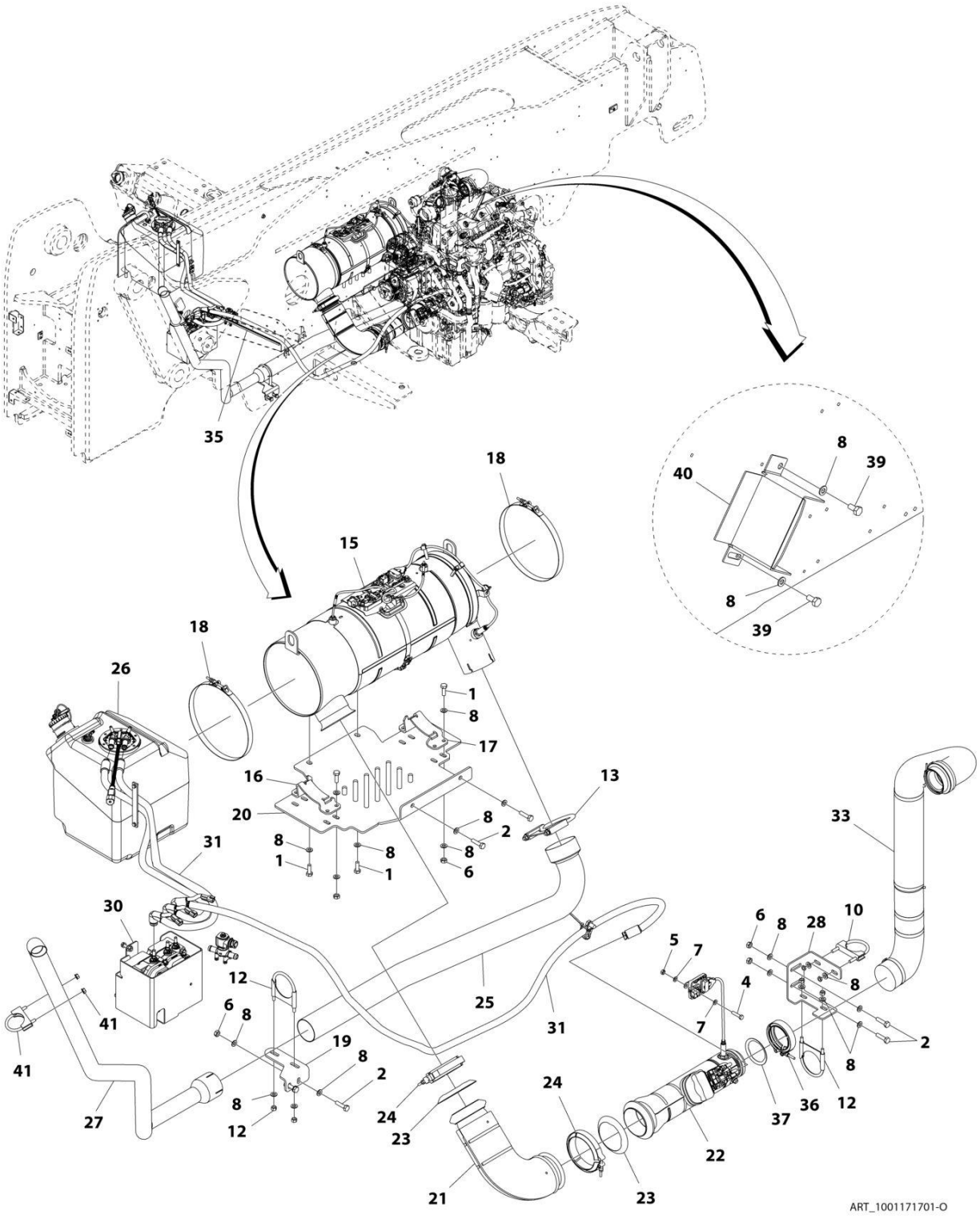


FIGURE 4-15. EXHAUST INSTALLATION, 110HP (ULS)

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 4-16. EXHAUST INSTALLATION, 110HP (LS)

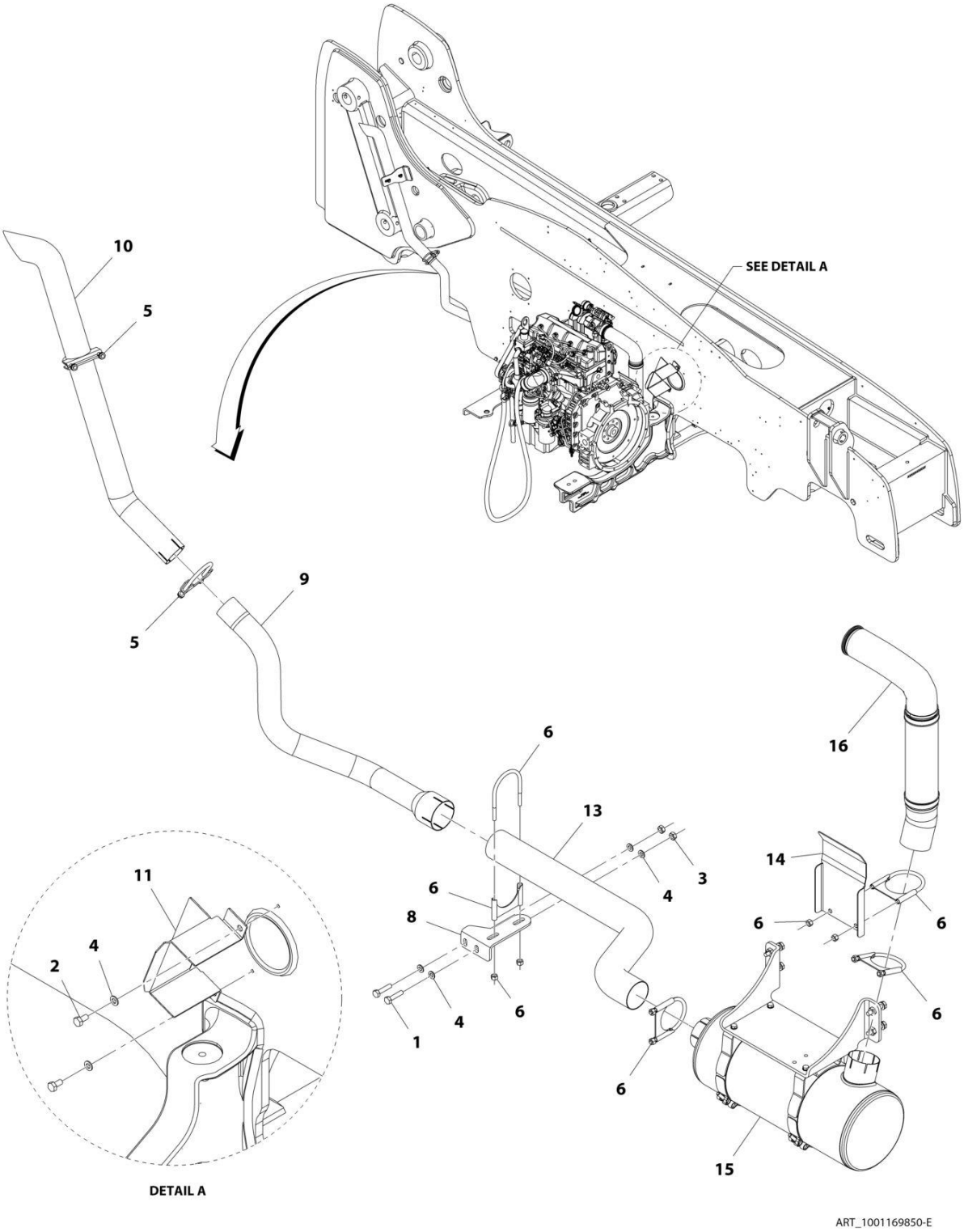


FIGURE 4-16. EXHAUST INSTALLATION, 110HP (LS)

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 4-17. MUFFLER INSTALLATION (LS)

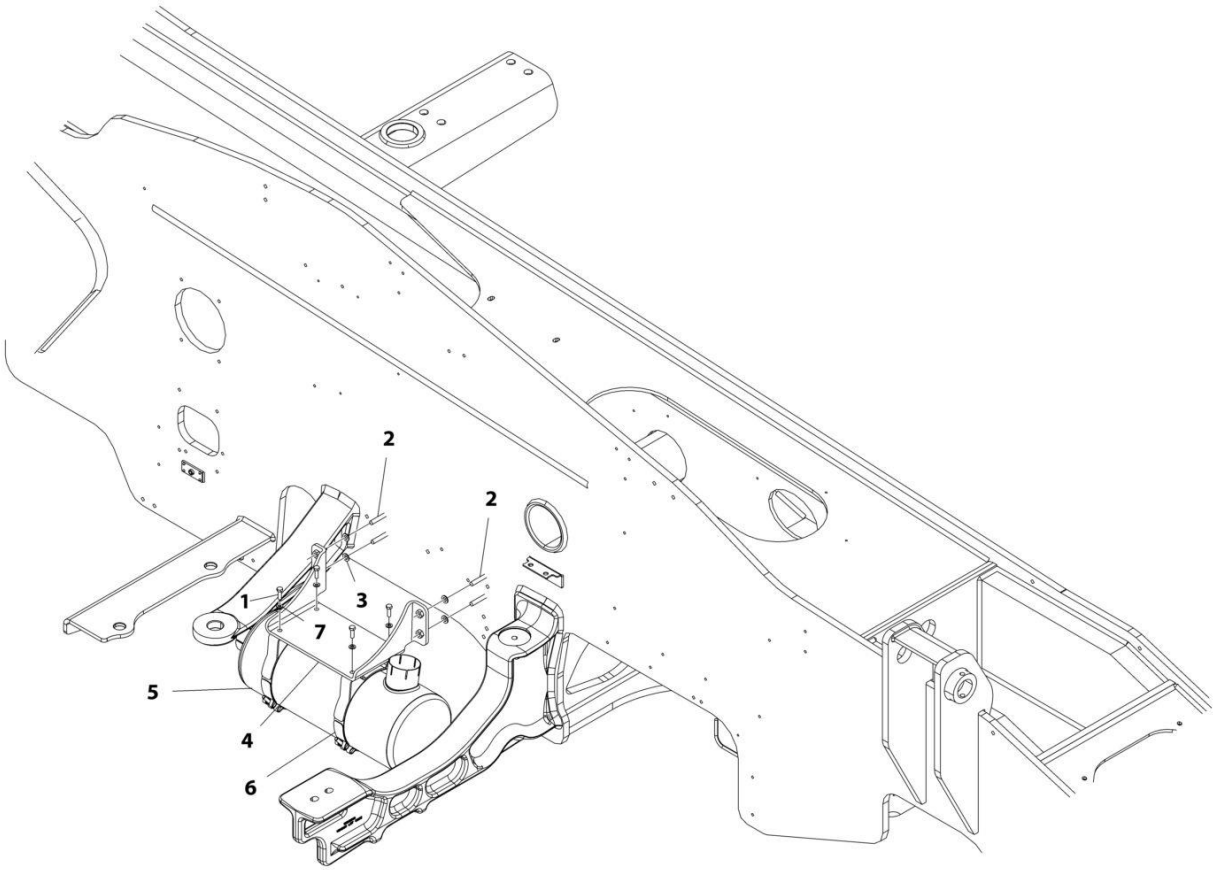


FIGURE 4-17. MUFFLER INSTALLATION (LS)

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 4-18. DEF TANK INSTALLATION

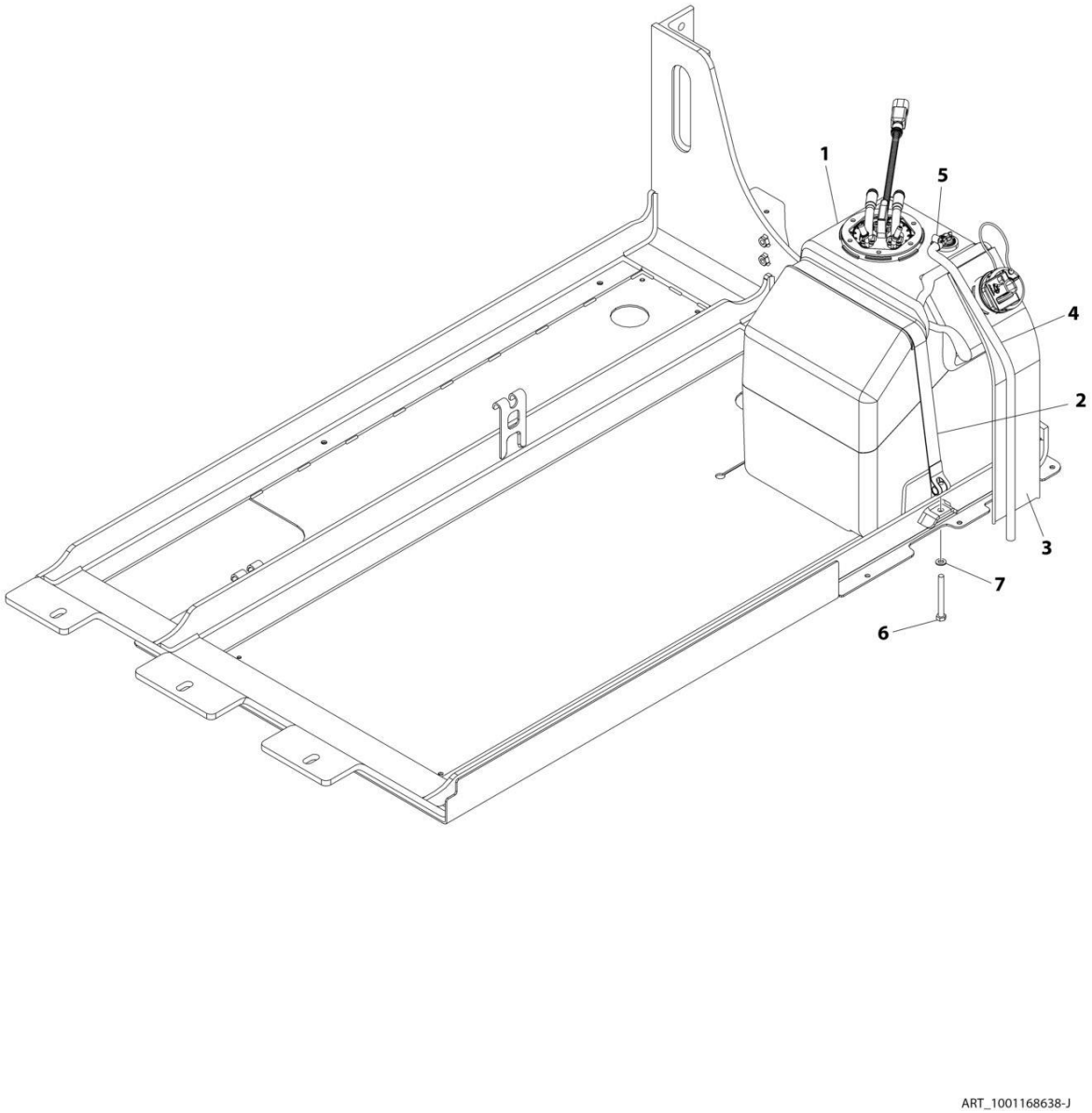


FIGURE 4-18. DEF TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168638	Ref	DEF Tank Installation	J
1	1001230421	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, M8X75	
7	4811900	1	Washer, M8	

FIGURE 4-19. DEF TANK ASSEMBLY

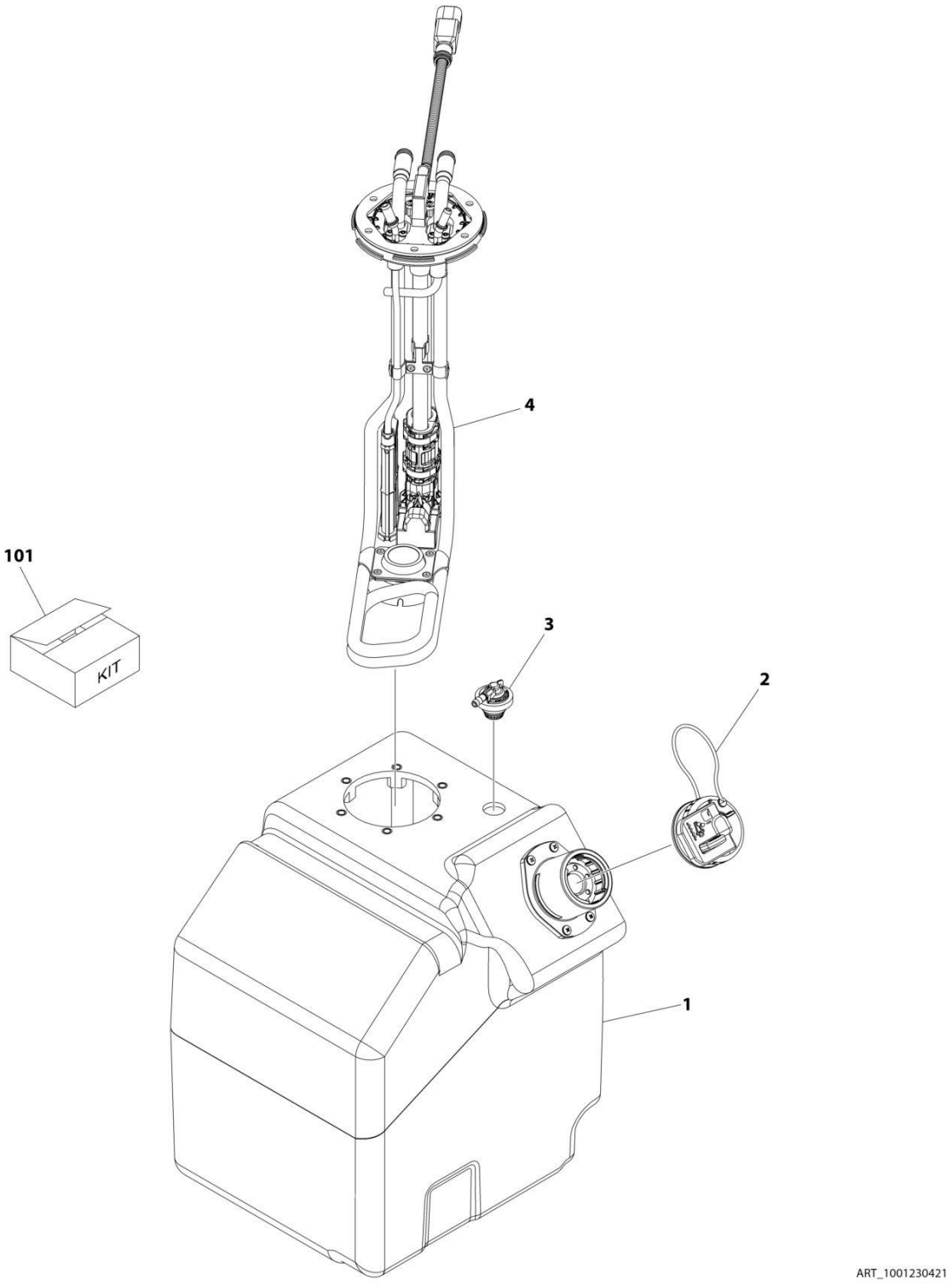


FIGURE 4-19. DEF TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230421	Ref	DEF TANK ASSEMBLY	D
1	1001164967	1	Tank	
2	1001174795	1	Cap	
3	1001215319	1	Valve (See Separate Breakdown in this Section)	
4	1001230419	1	Assembly, DEF Electrical (includes item 101)	
101	70029473	1	Siphon Filter Kit	
101	70029474	1	Gasket, Rubber	
101	70029475	1	Flange	
101	70029476	1	Header Assembly w/o Flange and Gasket	

FIGURE 4-20. DEF BREATHER VALVE

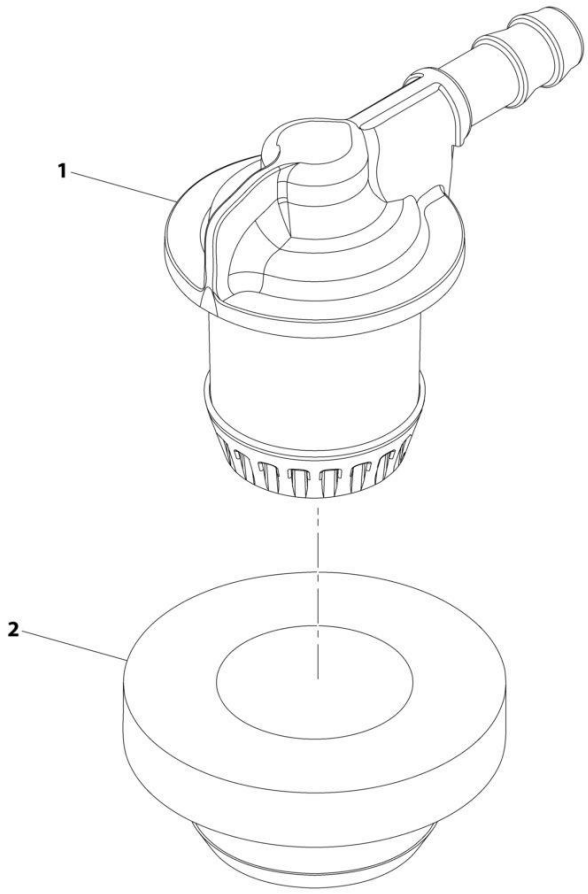


FIGURE 4-20. DEF BREATHER VALVE

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 4-21. DEF PUMP AND CONTROL INSTALLATION

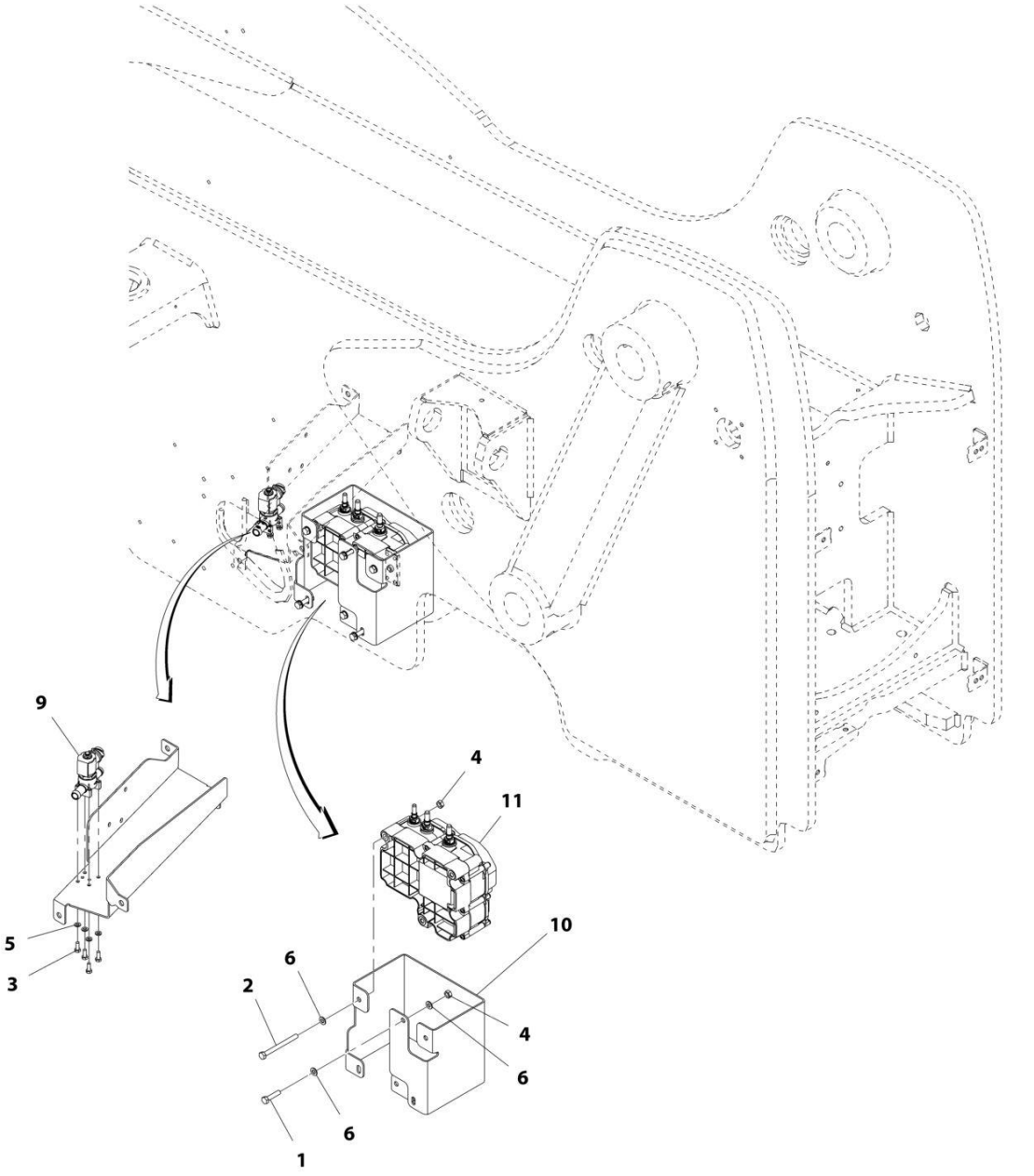


FIGURE 4-21. DEF PUMP AND CONTROL INSTALLATION

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 4-22. UREA PUMP

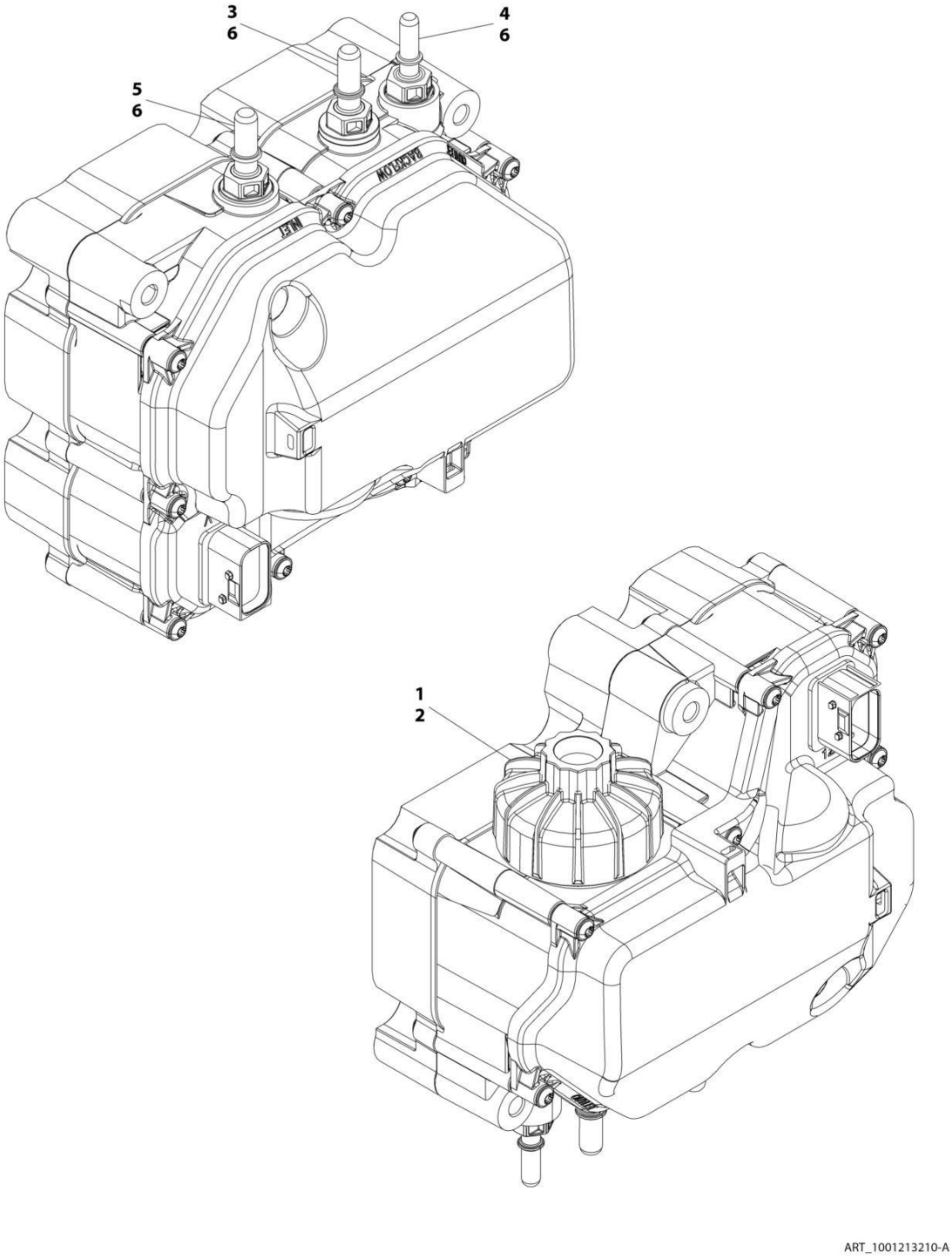


FIGURE 4-22. UREA PUMP

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 4-23. DEF PUMP LINES INSTALLATION

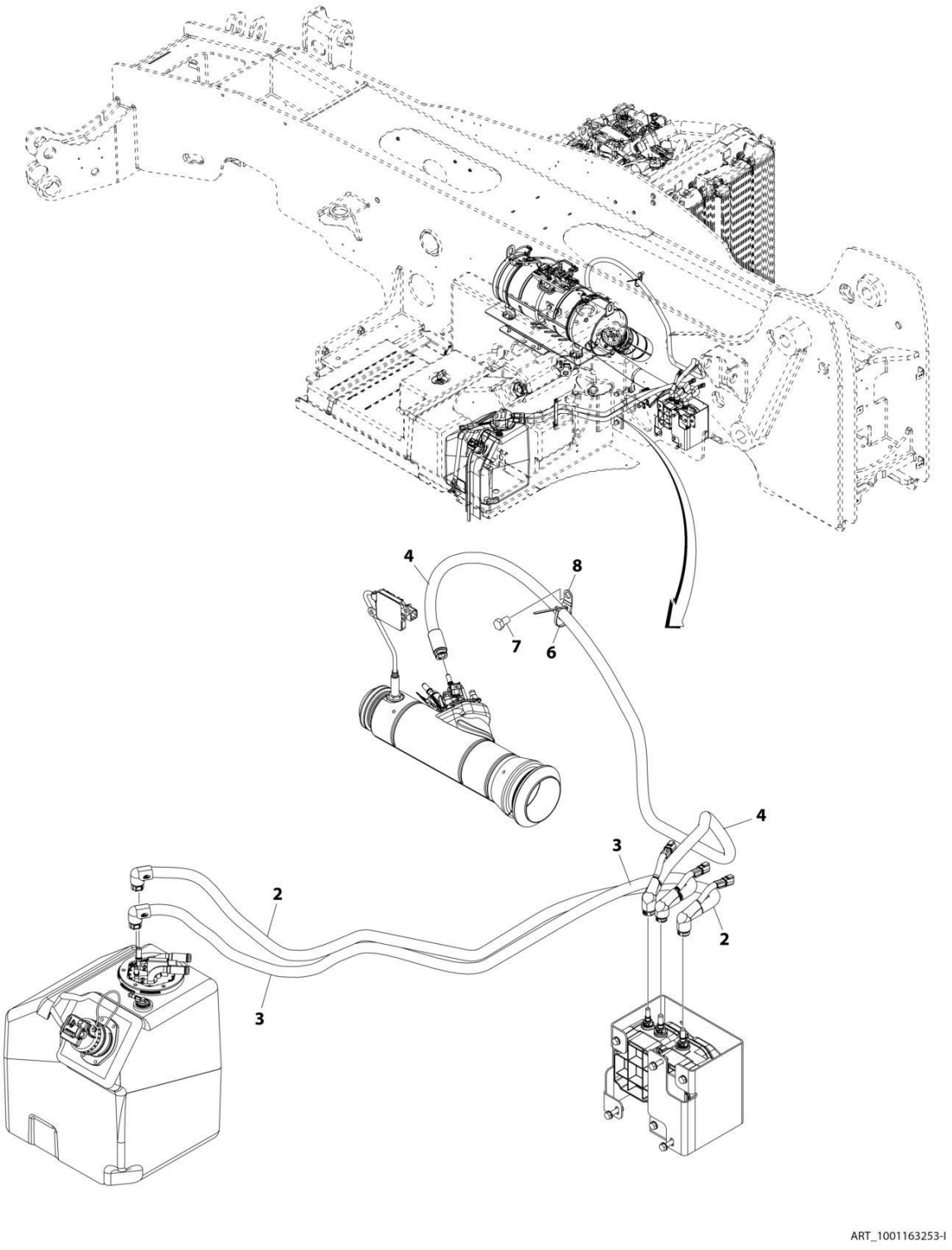


FIGURE 4-23. DEF PUMP LINES INSTALLATION

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 4-24. DEF LINES INSTALLATION

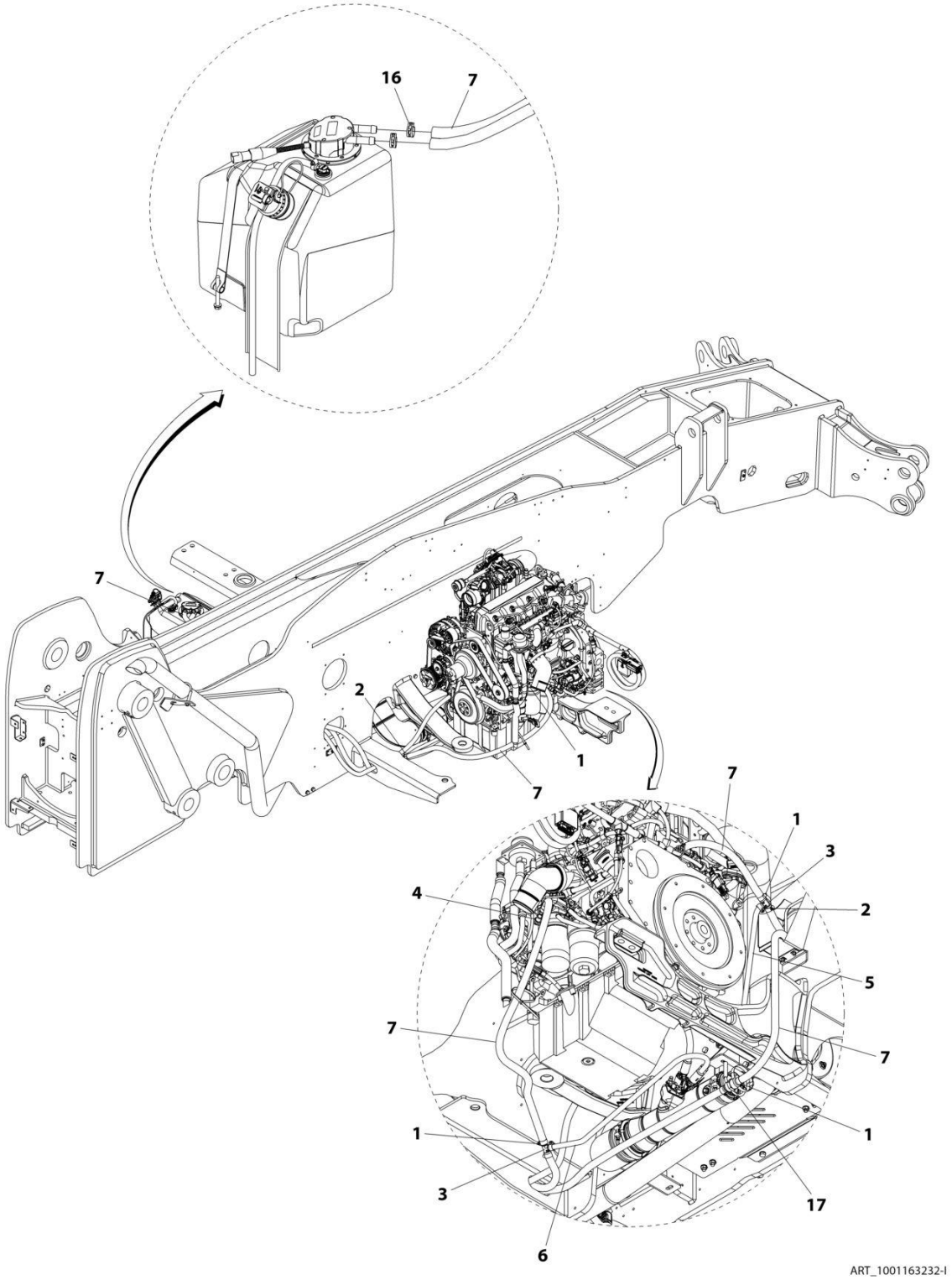
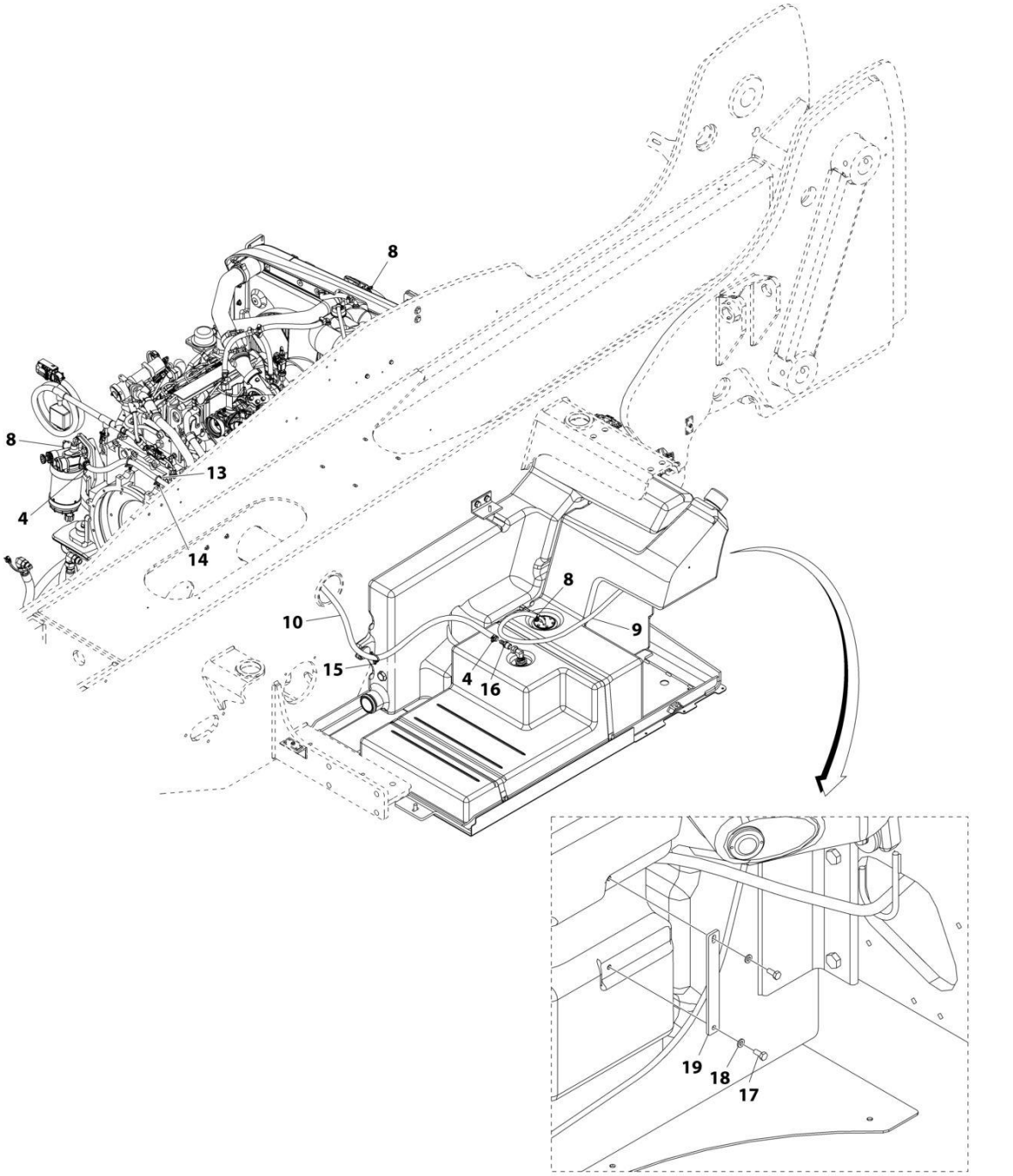
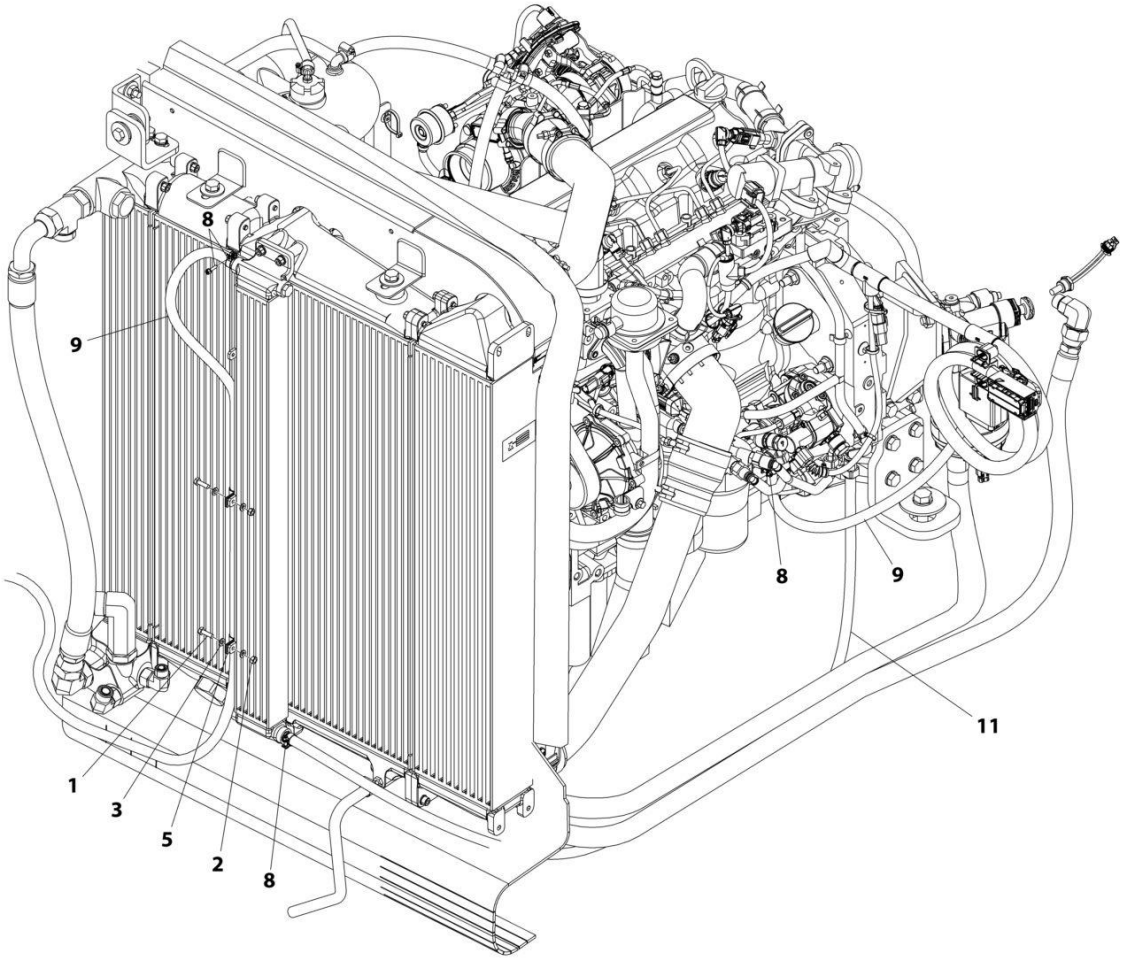


FIGURE 4-24. DEF LINES INSTALLATION

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 4-25. FUEL LINES INSTALLATION (ULS)



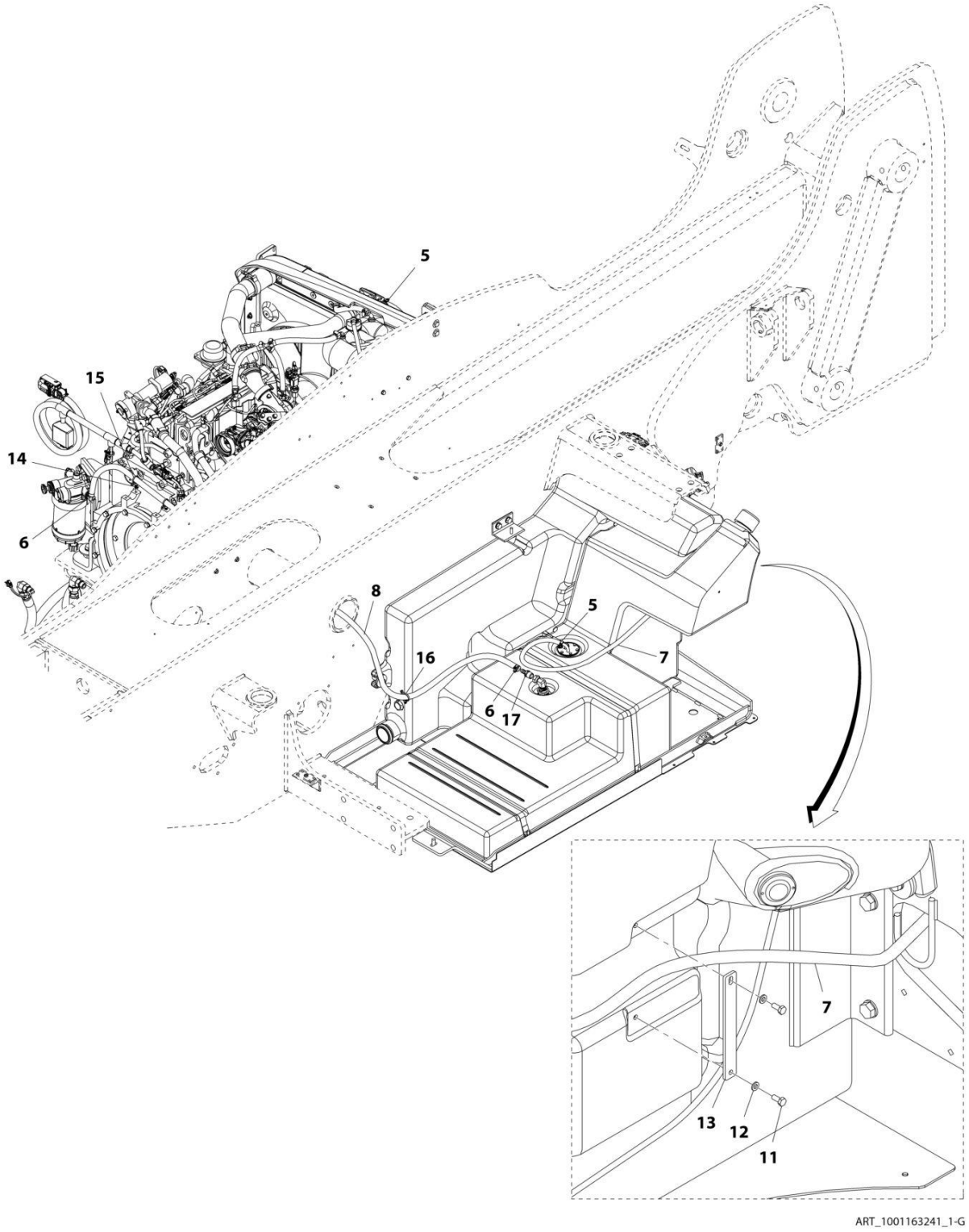


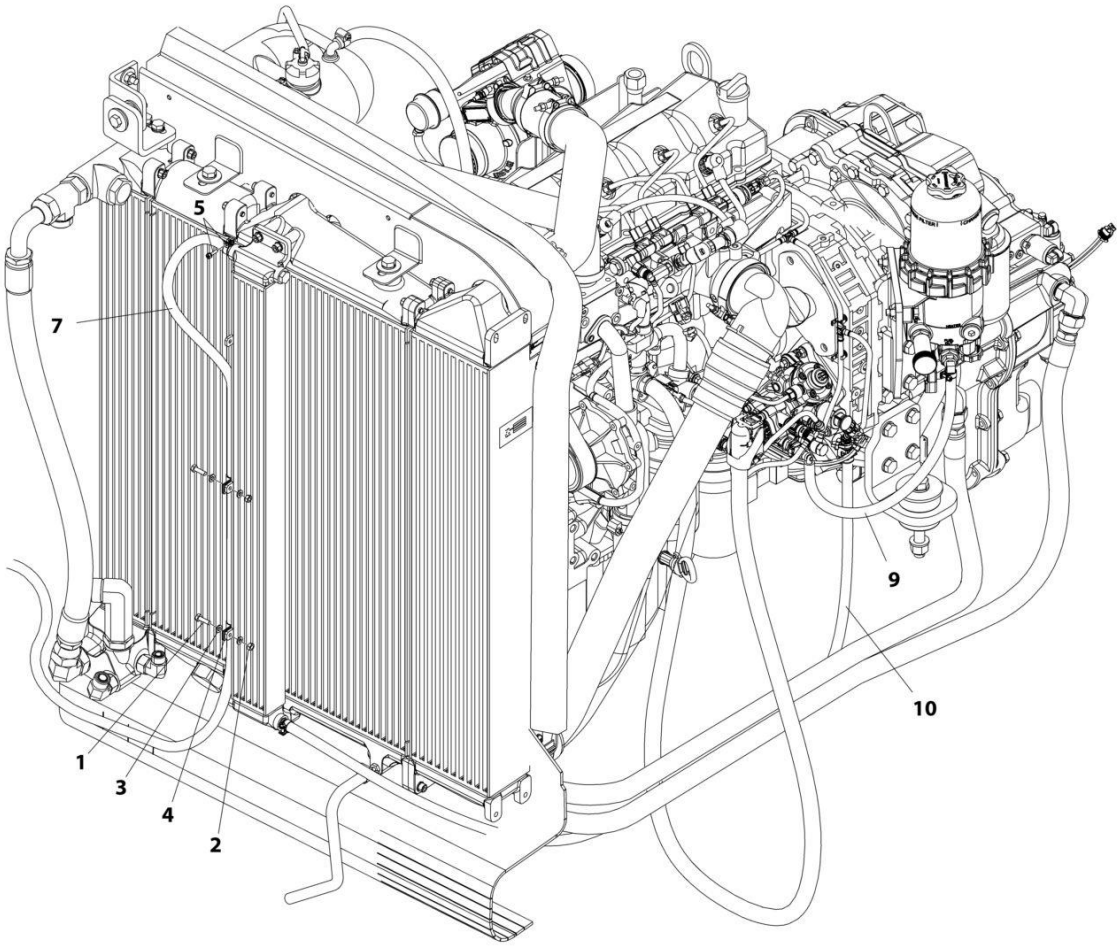
ART_1001163231_2-J

FIGURE 4-25. 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 4-26. FUEL LINES INSTALLATION (LS)





ART_1001163241_2-G

FIGURE 4-26. 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 4-27. PRIMARY FUEL FILTER INSTALLATION (ULS)

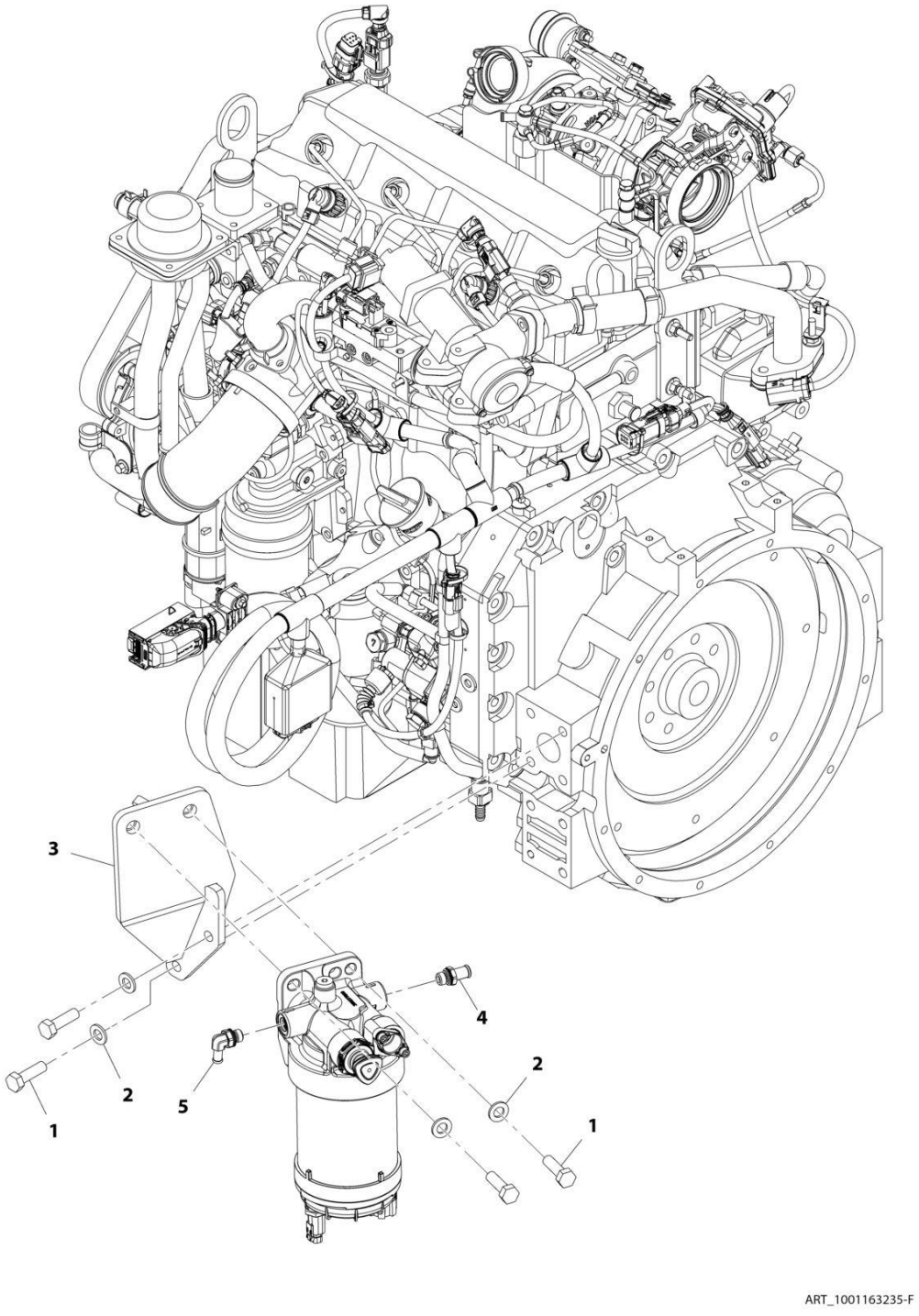


FIGURE 4-27. PRIMARY FUEL FILTER INSTALLATION (ULS)

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 4-28. PRIMARY FUEL FILTER INSTALLATION (LS)

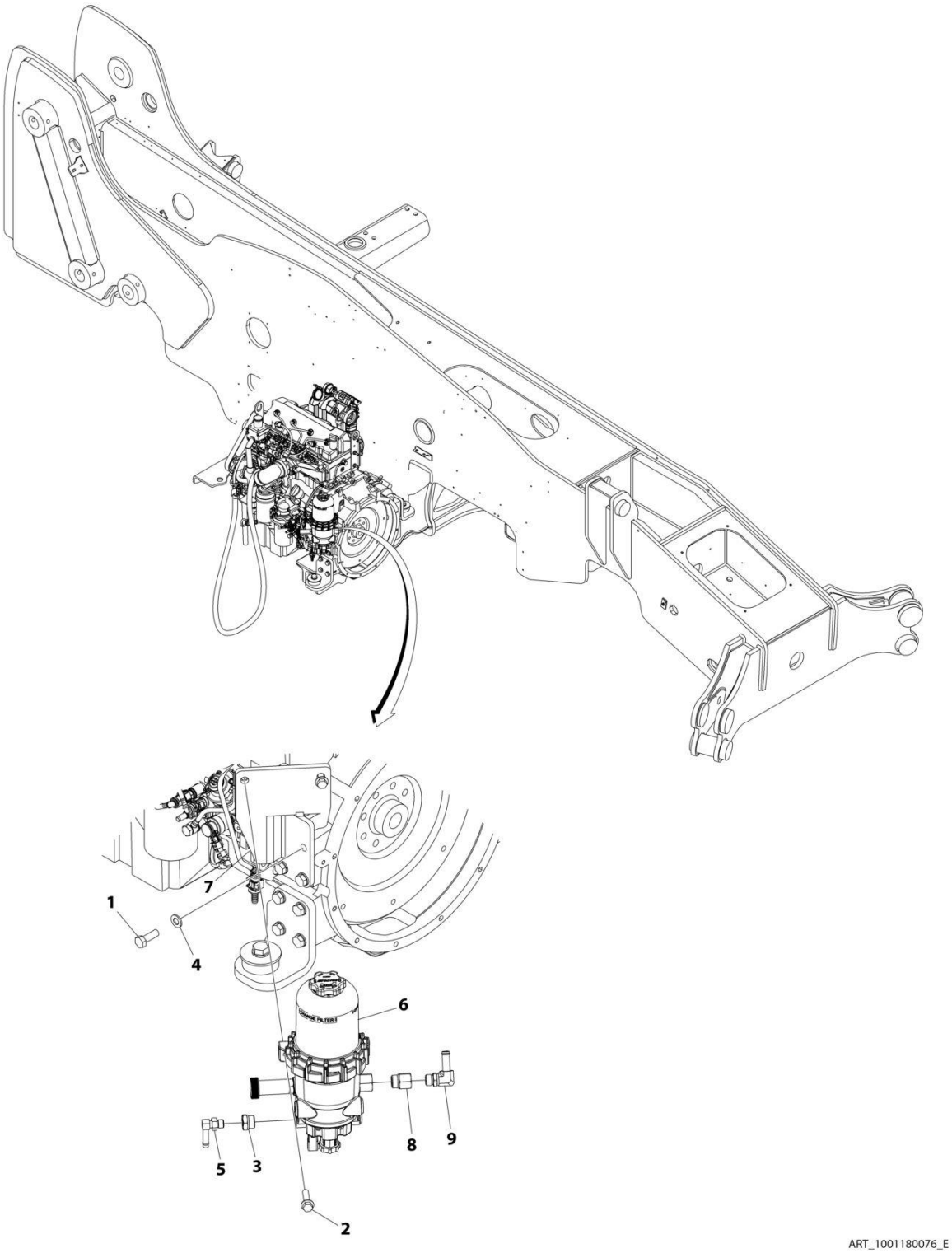
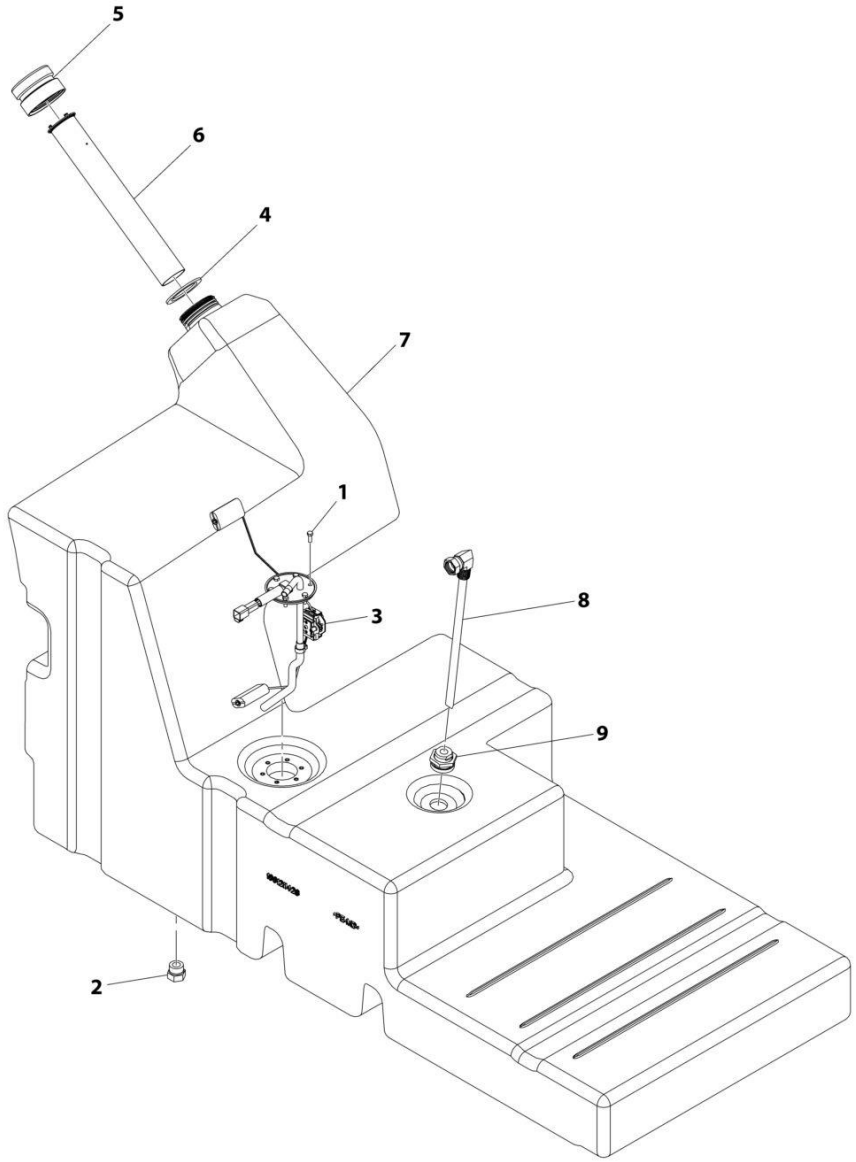


FIGURE 4-28. PRIMARY FUEL FILTER INSTALLATION (LS)

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 4-29. FUEL TANK ASSEMBLY



ART_1001211432-F

FIGURE 4-29. 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 4-30. FAN INSTALLATION, 110HP

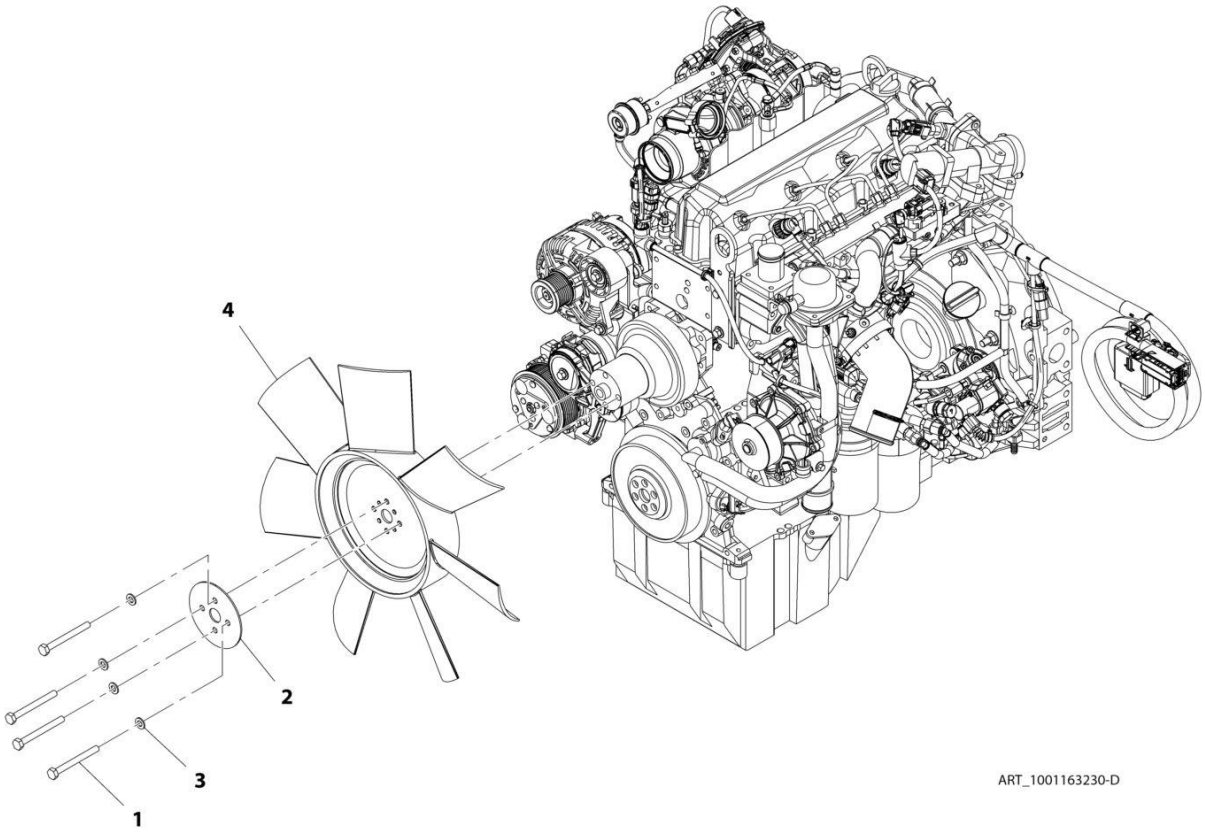


FIGURE 4-30. FAN INSTALLATION, 110HP

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 4-31. FAN GUARD INSTALLATION

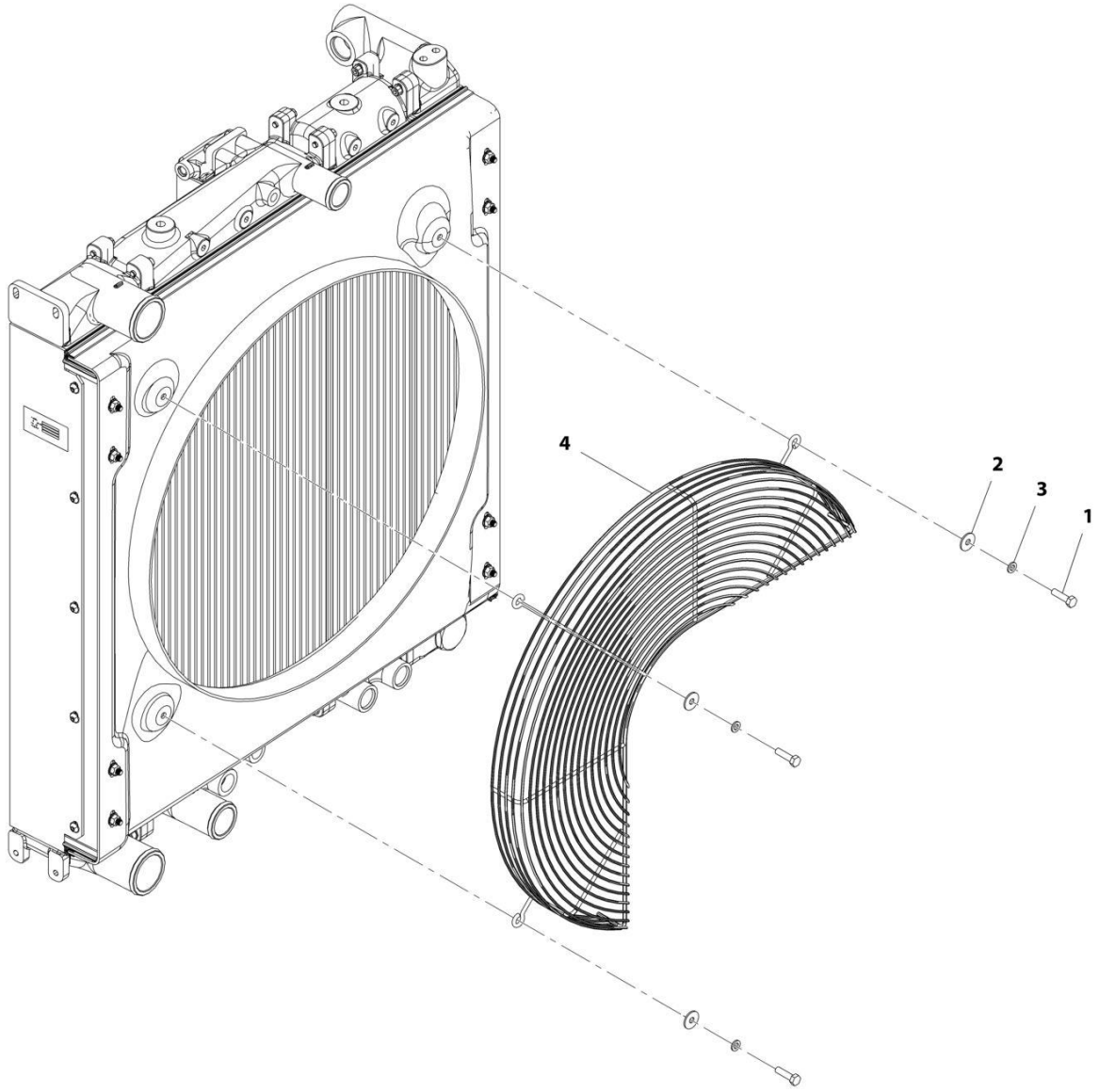


FIGURE 4-31. FAN GUARD INSTALLATION

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 4-32. COOLING PACKAGE INSTALLATION (ULS)

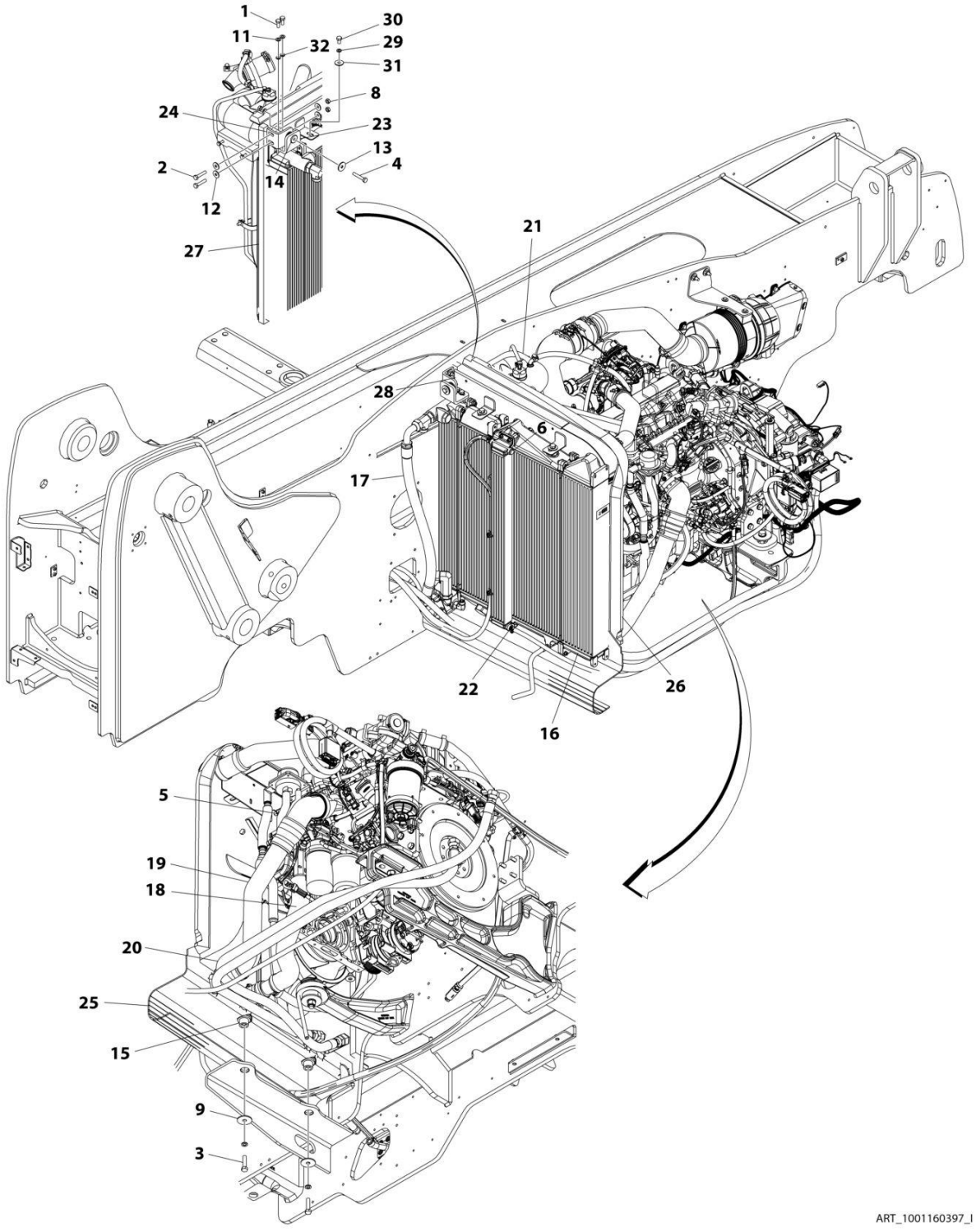


FIGURE 4-32. COOLING PACKAGE INSTALLATION (ULS)

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 4-33. COOLING PACKAGE INSTALLATION (LS)

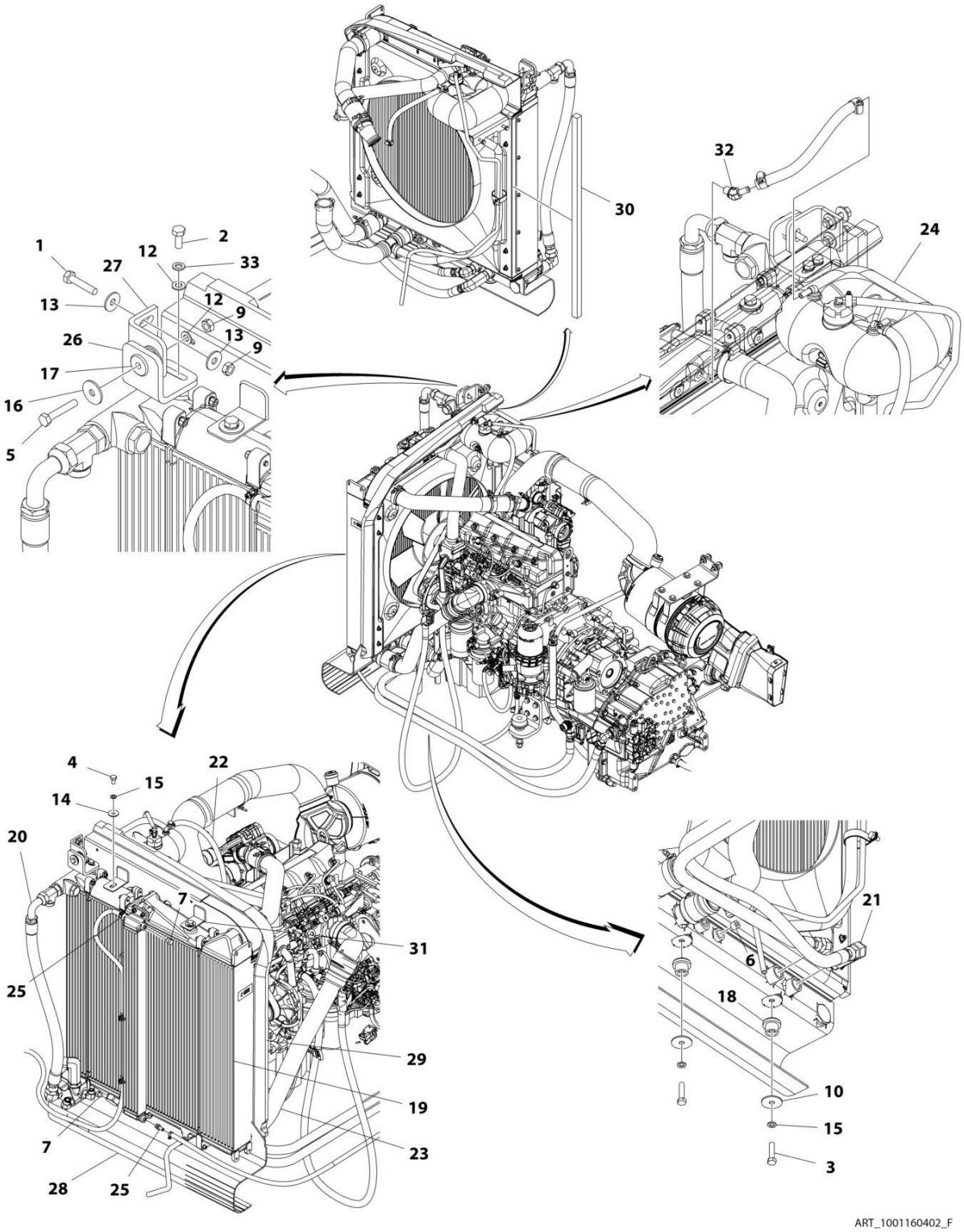


FIGURE 4-33. COOLING PACKAGE INSTALLATION (LS)

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 4-34. COOLANT LINES INSTALLATION (ULS)

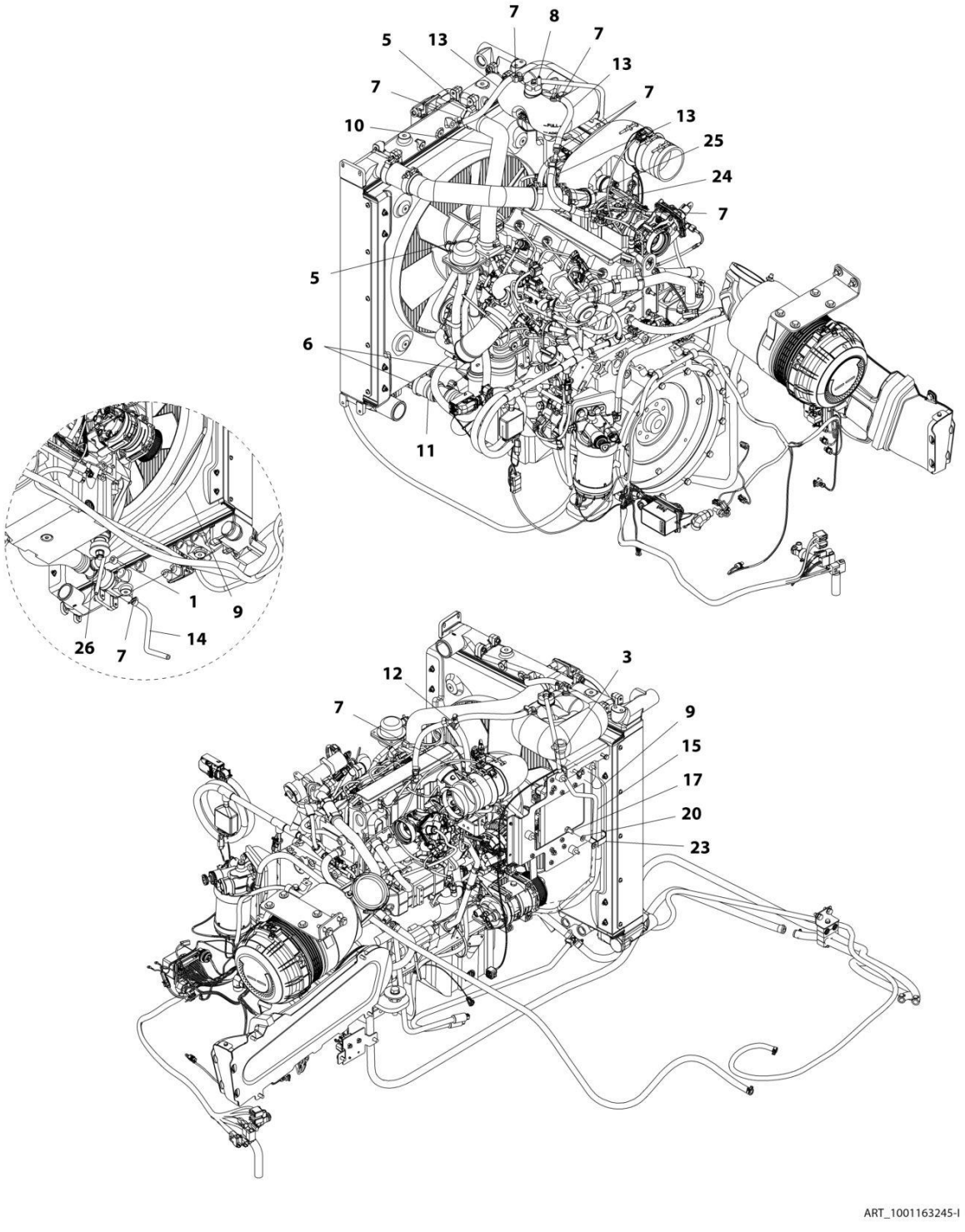


FIGURE 4-34. COOLANT LINES INSTALLATION (ULS)

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 4-35. COOLANT LINES INSTALLATION (LS)

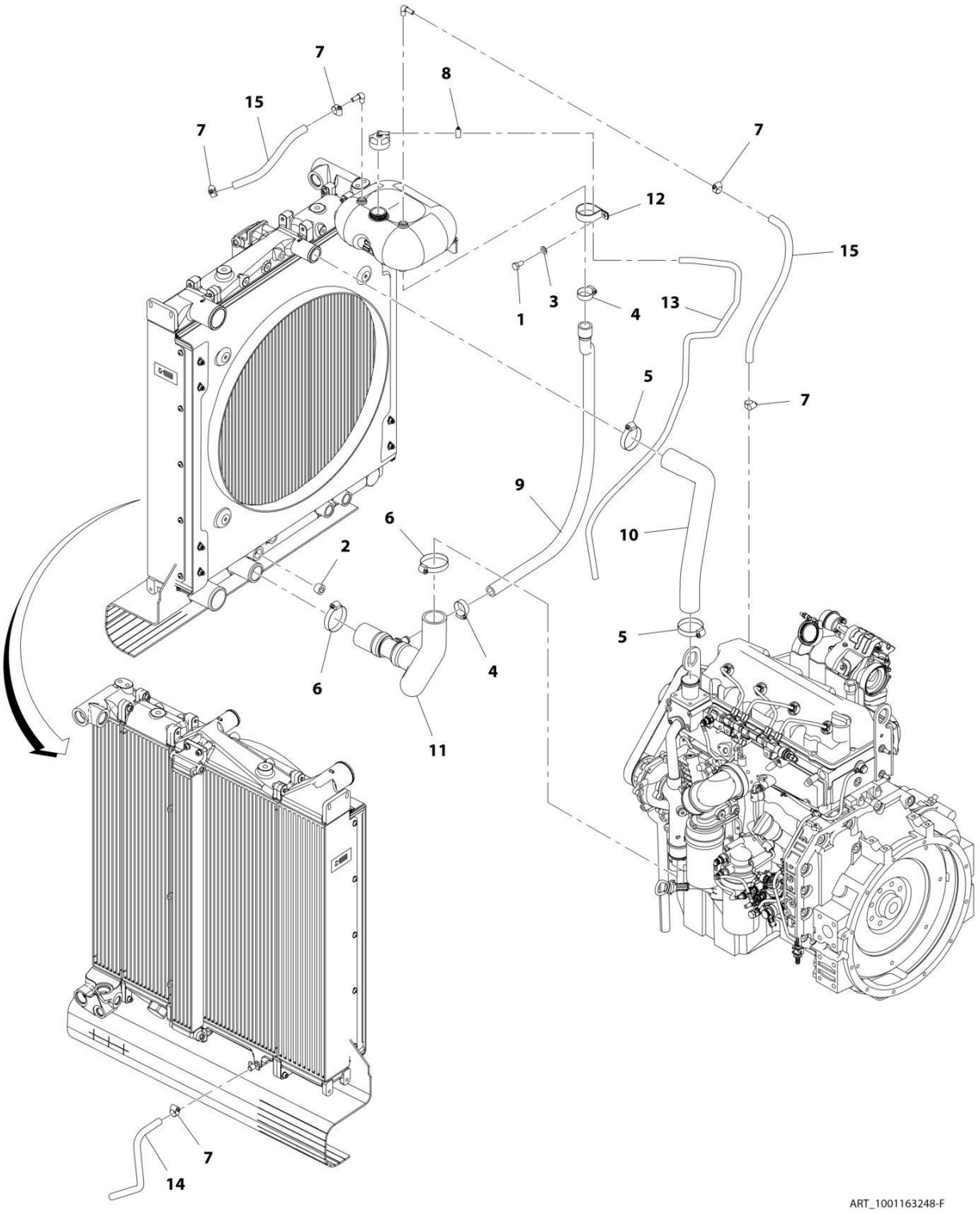


FIGURE 4-35. COOLANT LINES INSTALLATION (LS)

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 4-36. RADIATOR COOLING PACKAGE

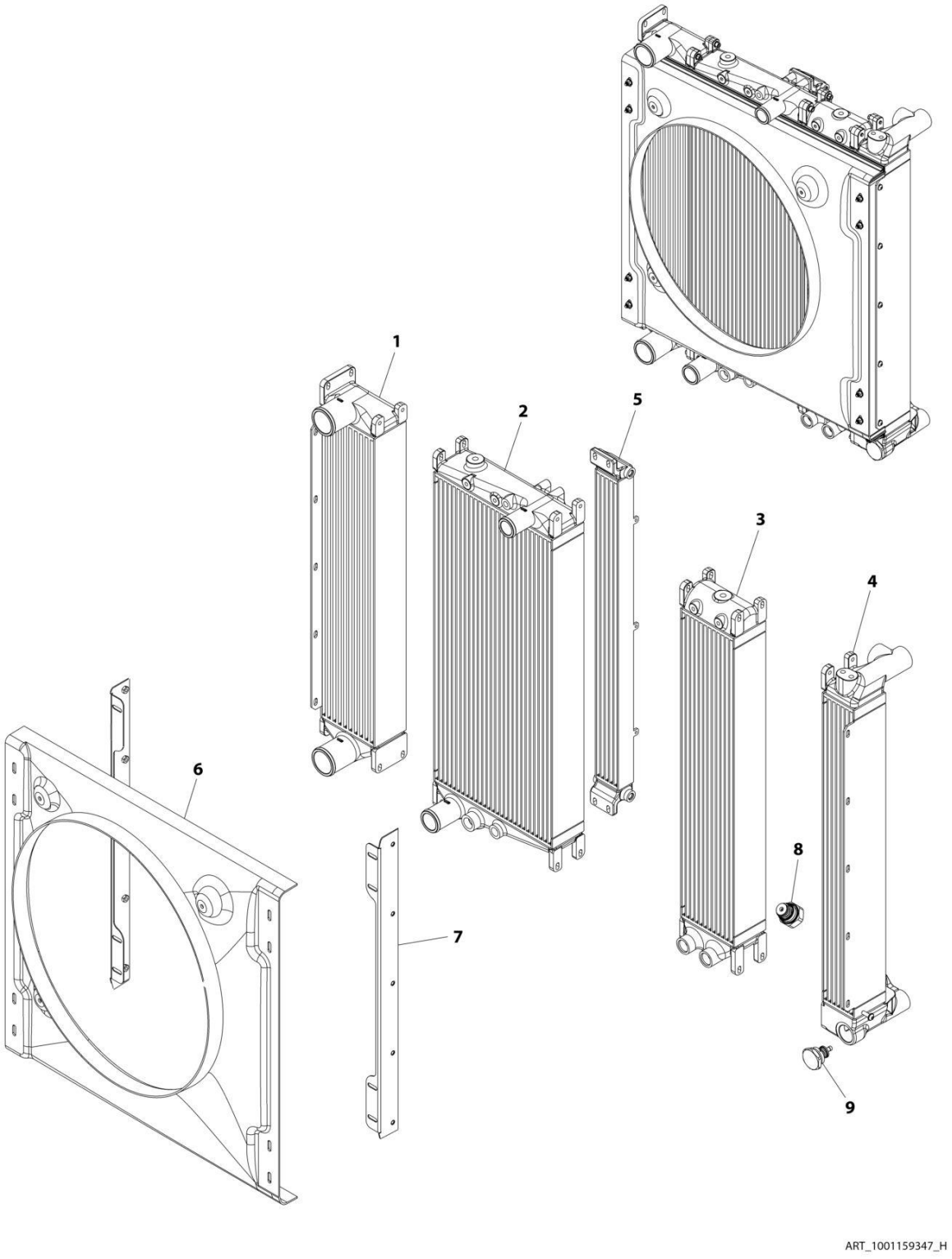


FIGURE 4-36. RADIATOR COOLING PACKAGE

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 4-37. SURGE TANK INSTALLATION

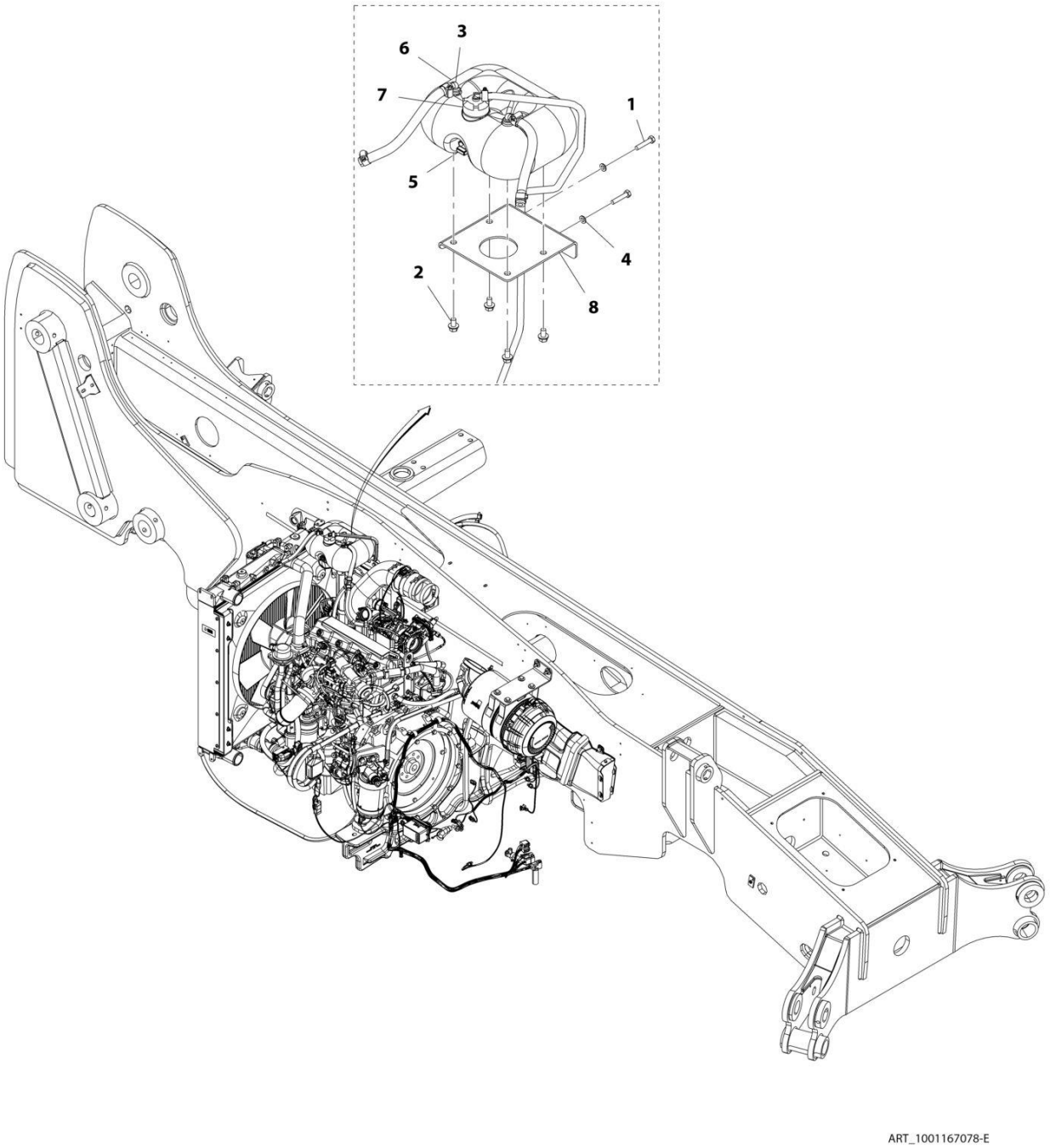


FIGURE 4-37. SURGE TANK INSTALLATION

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 4-38. A/C PUMP INSTALLATION (ULS)

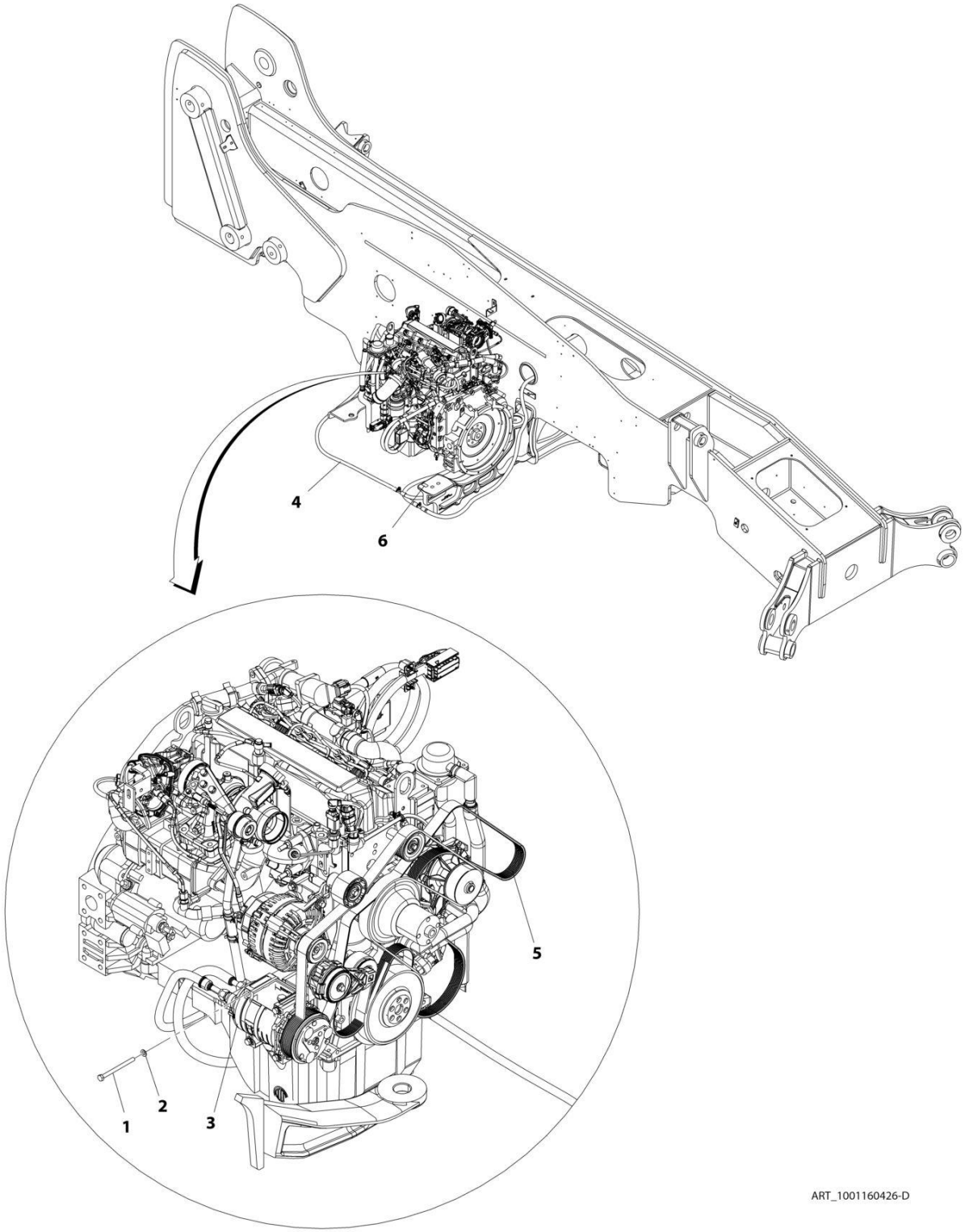


FIGURE 4-38. A/C PUMP INSTALLATION (ULS)

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 4-39. A/C PUMP INSTALLATION (LS)

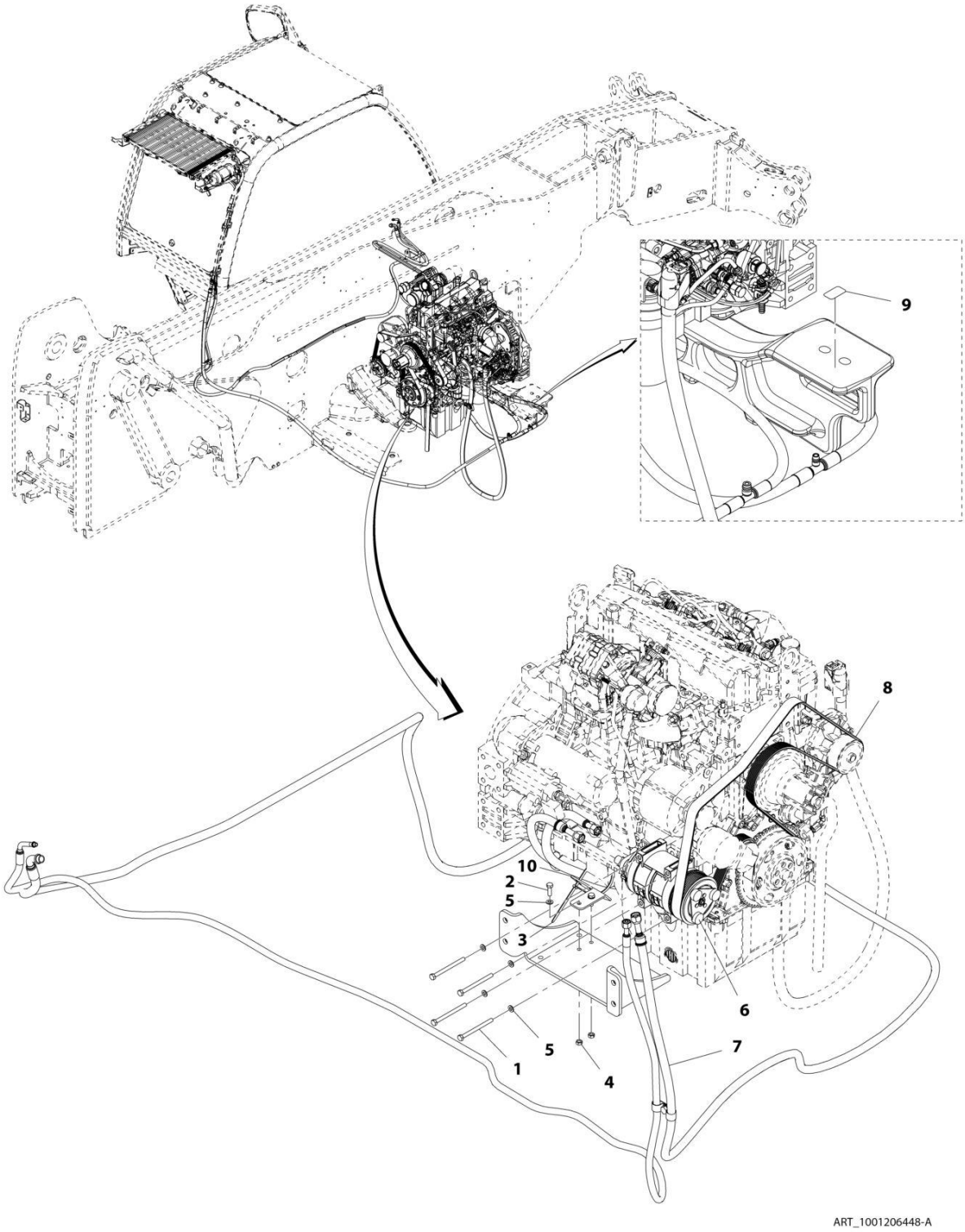


FIGURE 4-39. A/C PUMP INSTALLATION (LS)

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 4-40. A/C LINES INSTALLATION

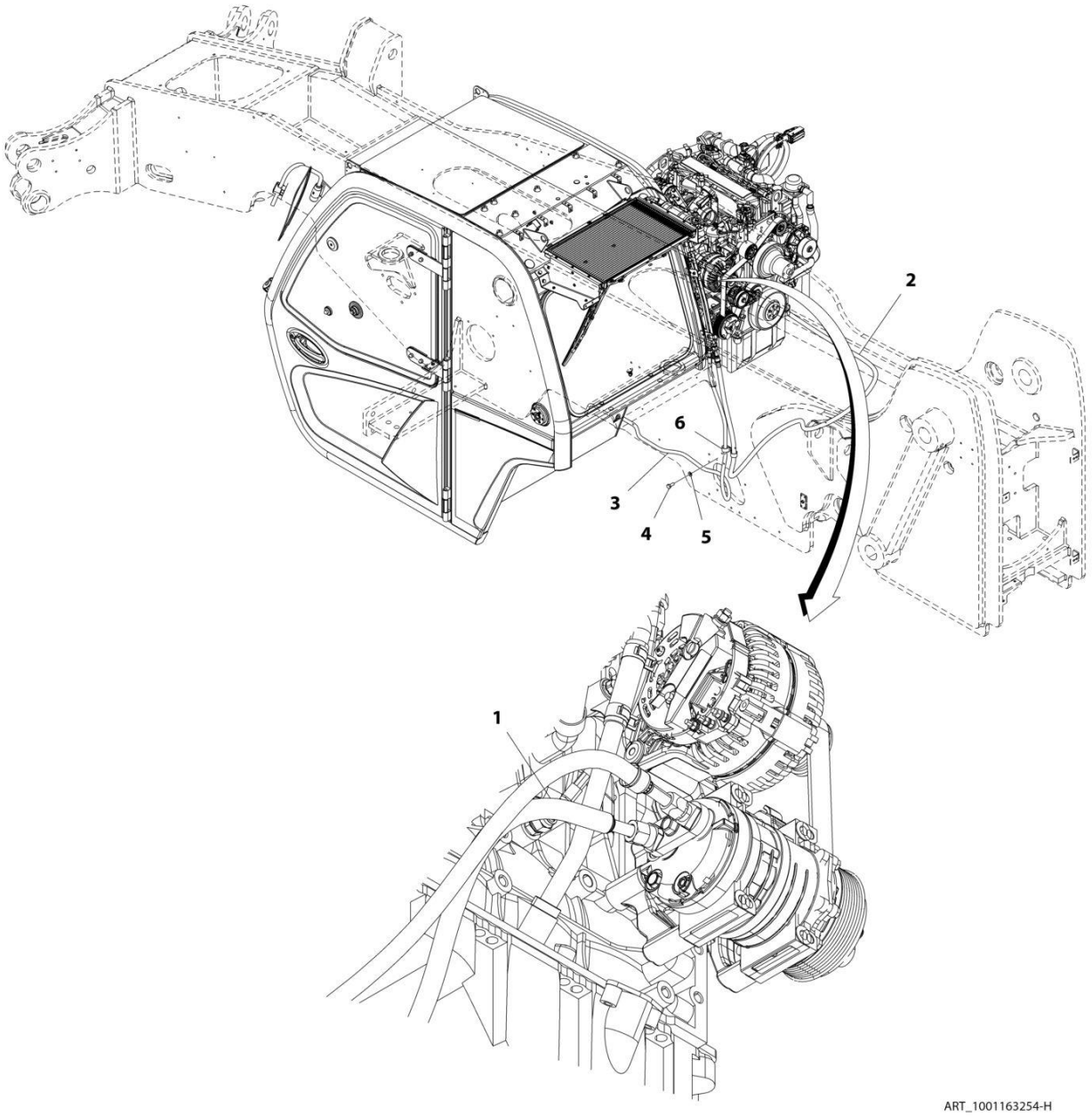


FIGURE 4-40. A/C LINES INSTALLATION

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 4-41. CAC LINES INSTALLATION (ULS)

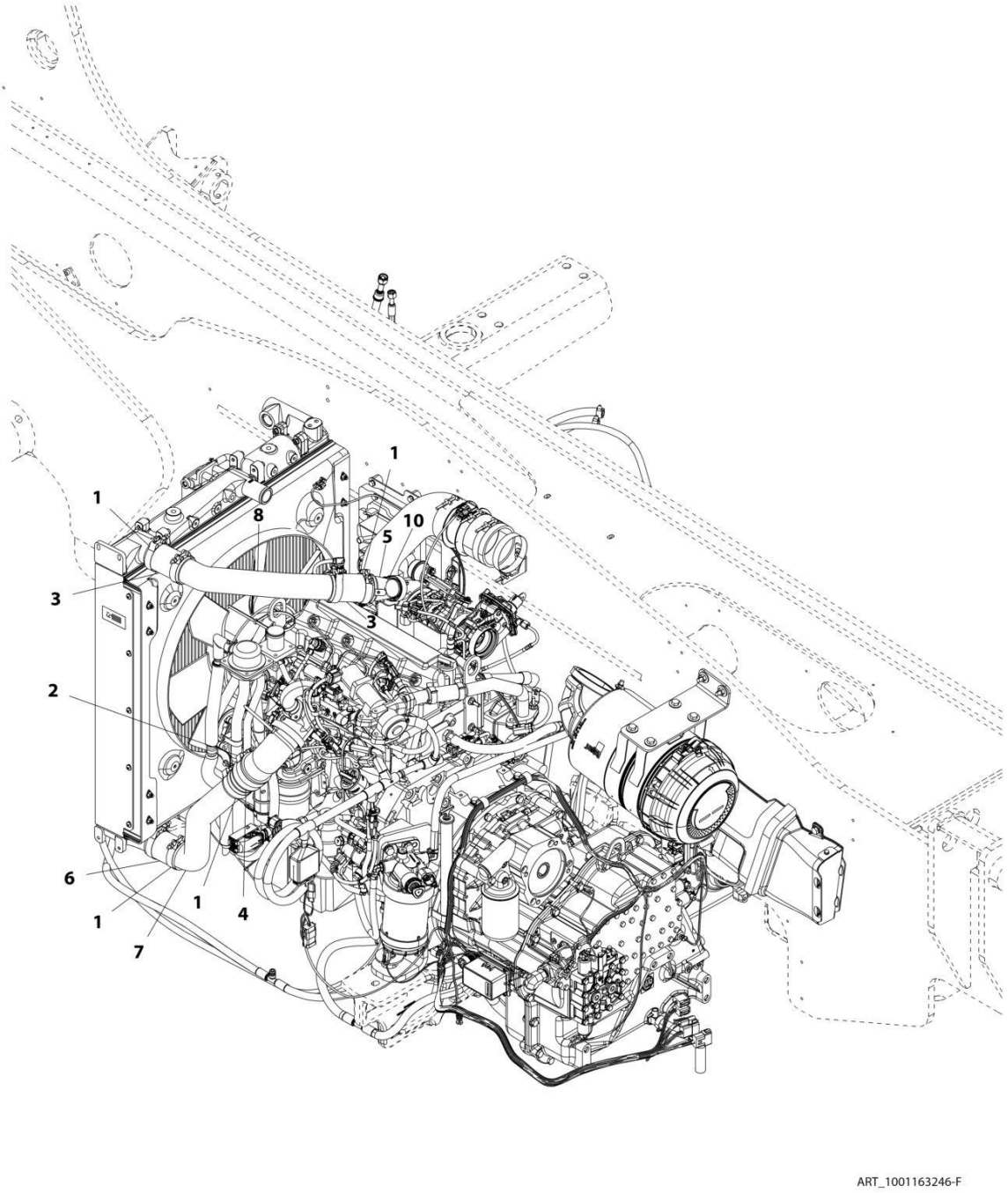


FIGURE 4-41. CAC LINES INSTALLATION (ULS)

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 4-42. CAC LINES INSTALLATION (LS)

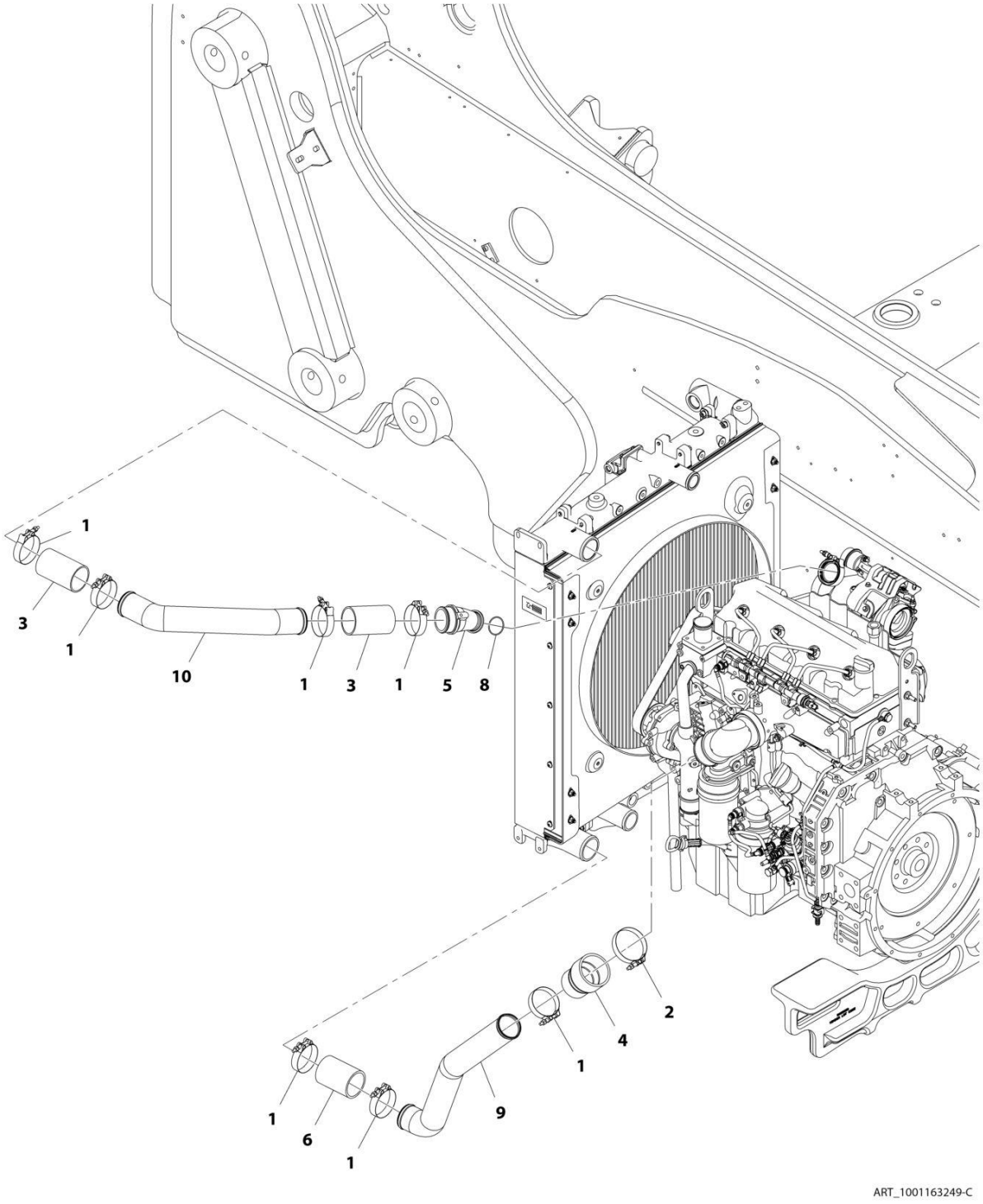


FIGURE 4-42. CAC LINES INSTALLATION (LS)

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 4-43. HOC LINES INSTALLATION

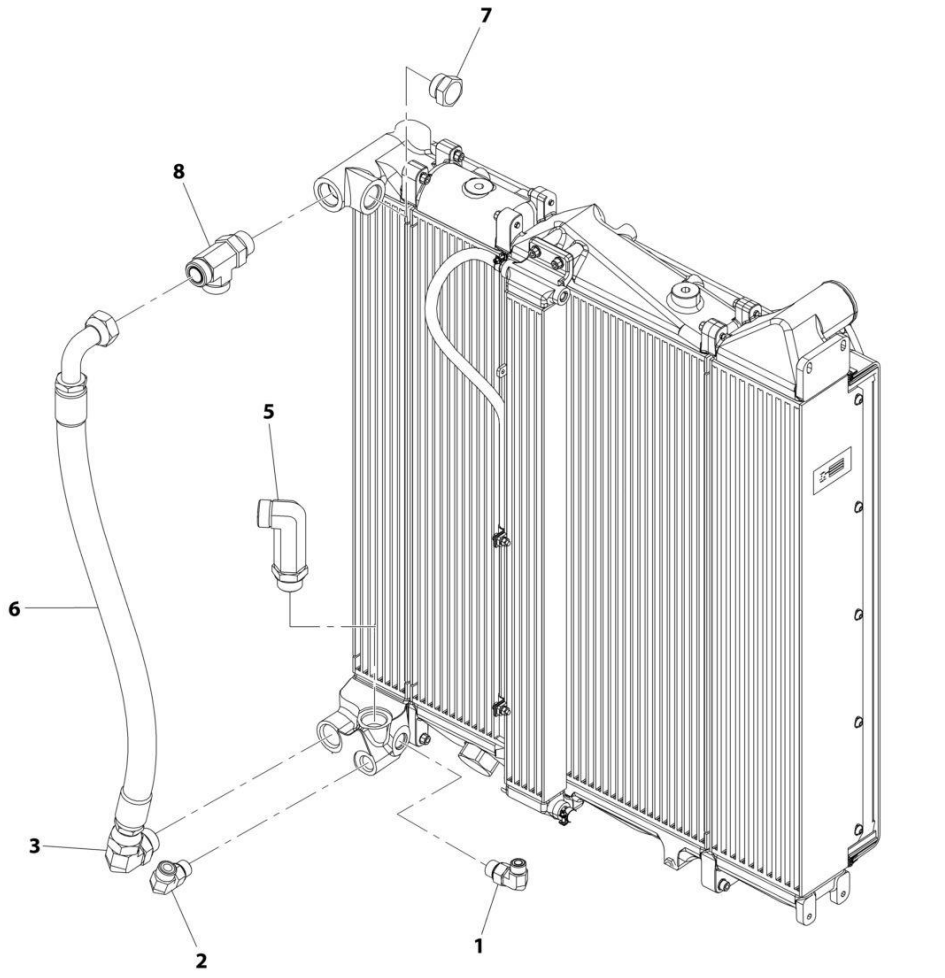


FIGURE 4-43. HOC LINES INSTALLATION

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 4-44. TOC LINES INSTALLATION

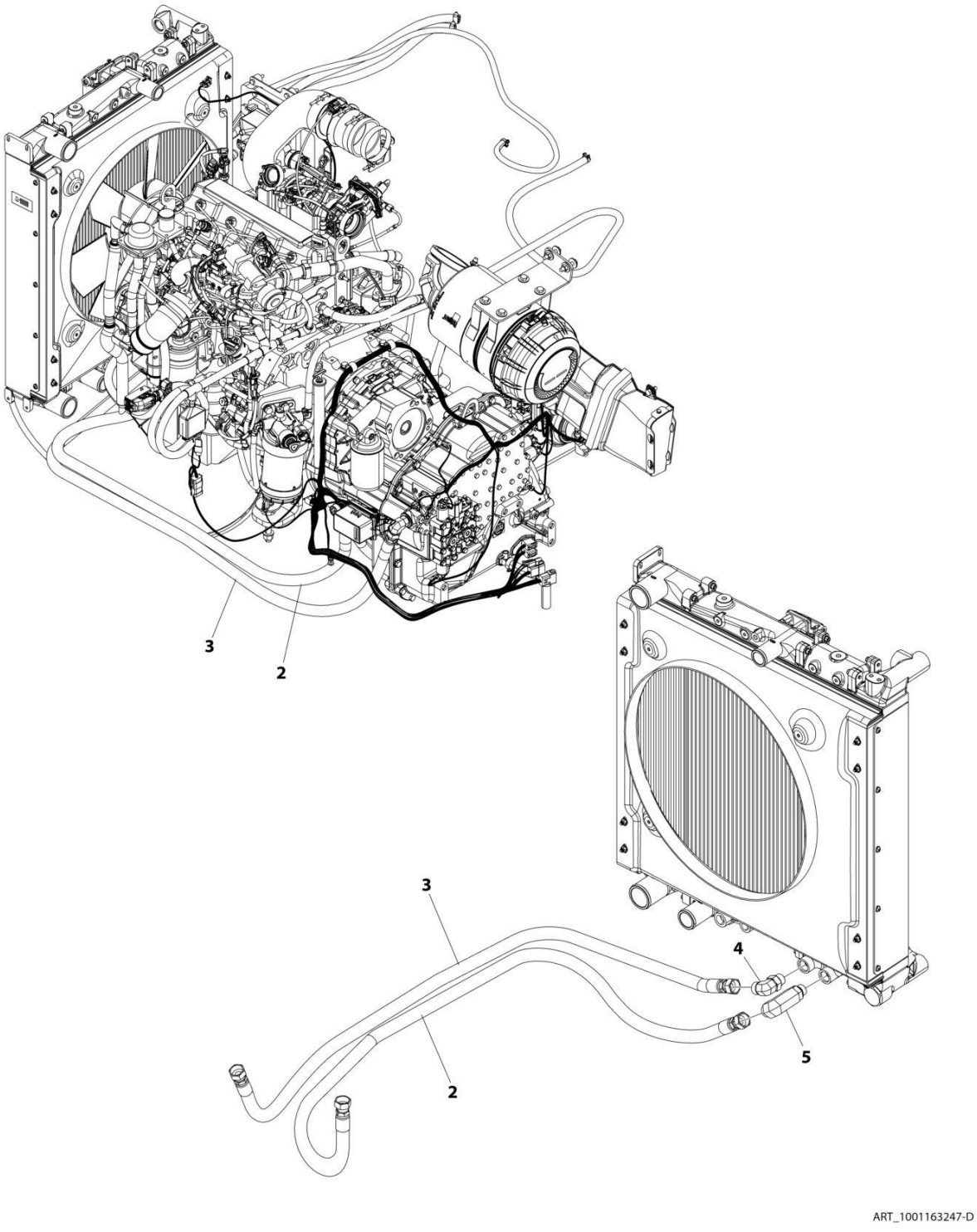


FIGURE 4-44. TOC LINES INSTALLATION

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

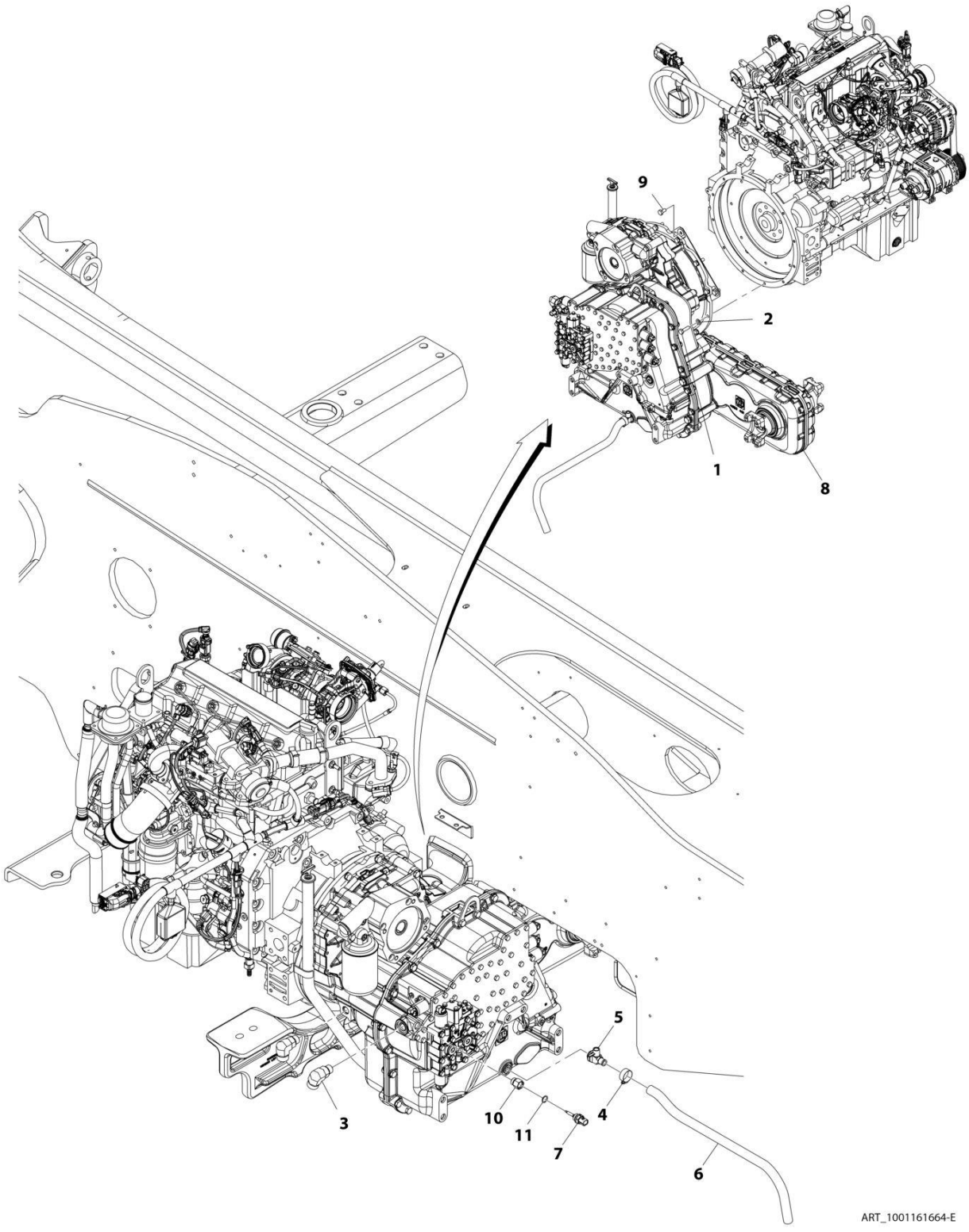
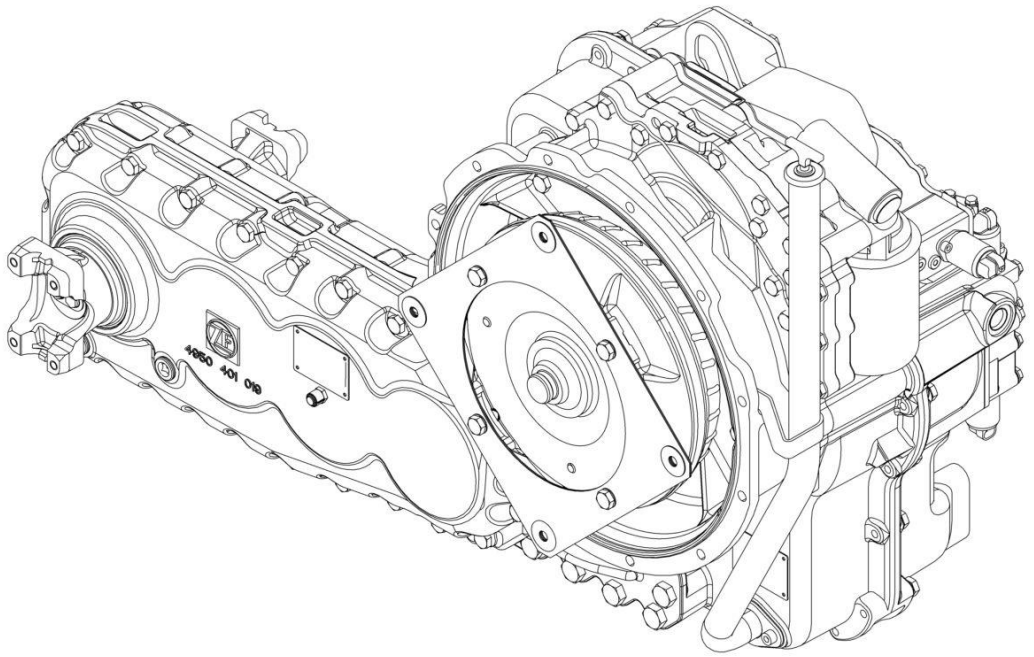


FIGURE 5-1. TRANSMISSION INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161664	Ref	Transmission Installation	E
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	1001170171	1	Transmission, Powershift (See Separate Breakdown in this Section)	
9	0761010	4	Screw, M10X20	
10	1001220760	1	Adapter	
11	1001009163	1	Seal	

FIGURE 5-2. POWERSHIFT TRANSMISSION



ART_1001170171_1-C

FIGURE 5-2. POWERSHIFT TRANSMISSION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	Powershift Transmission	C
		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, Accessories Group 1 (See Separate Breakdown in this Section)**	
		Ref	**Transmission, Peripherals Group 1 (See Separate Breakdown in this Section)**	
		Ref	**Transmission, Peripherals Group 2 (See Separate Breakdown in this Section)**	
		Ref	**Transmission, Accessories Group 2 (See Separate Breakdown in this Section)**	
		Ref	**Transmission, Housing Group (See Separate Breakdown in this Section)**	
		Ref	**Transmission, Housing 1 (See Separate Breakdown in this Section)**	
		Ref	**Transmission, Housing 2 (See Separate Breakdown in this Section)**	
		Ref	**Transmission, Housing Input (See Separate Breakdown in this Section)**	
		Ref	**Transmission, Housing Output 1 (See Separate Breakdown in this Section)**	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**Transmission, Housing Output 2 (See Separate Breakdown in this Section)**	

FIGURE 5-3. TRANSMISION, ENGINE CONNECTION

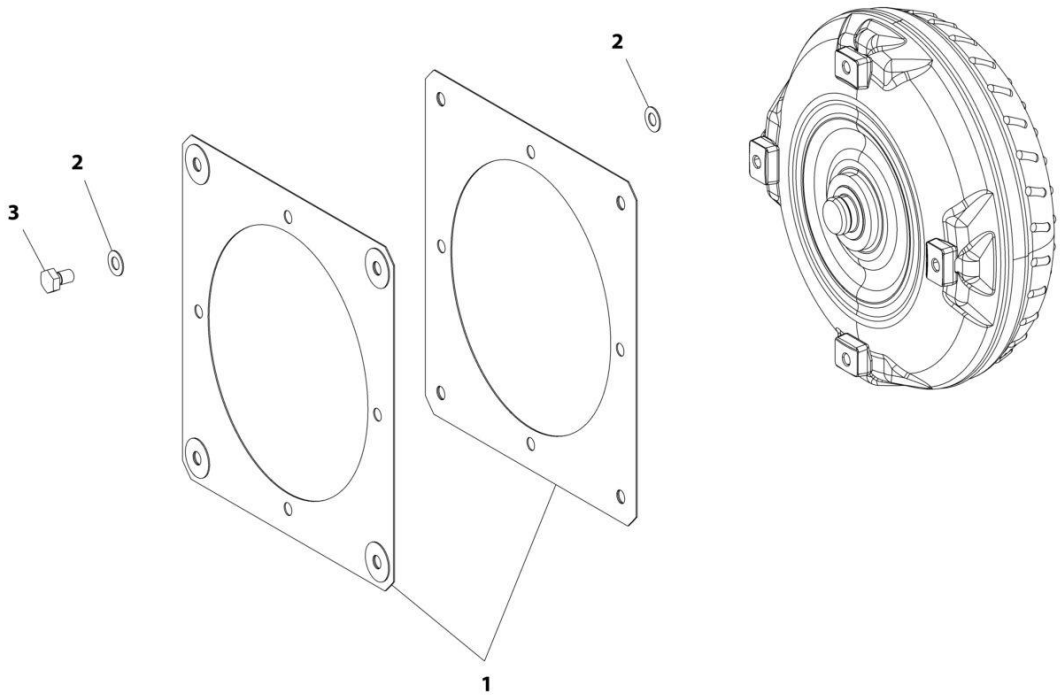
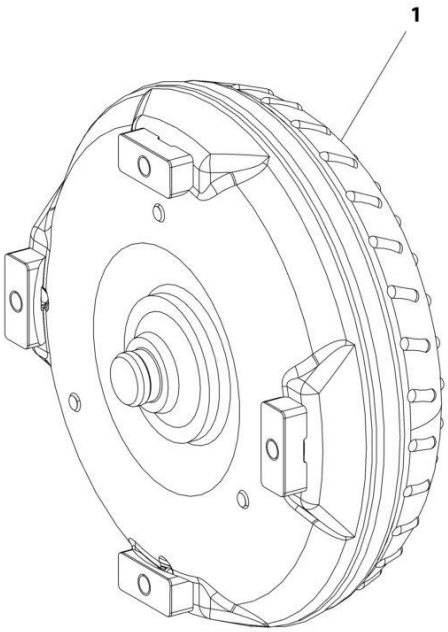


FIGURE 5-3. TRANSMISION, ENGINE CONNECTION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, ENGINE CONNECTION	C
1	1319229	2	Diaphragm	
2	7026745	8	Washer, Thrust M10	
3	7026744	4	Bolt, M10X16	

FIGURE 5-4. TRANSMISSION, CONVERTER



ART_1001170171_3-C

FIGURE 5-4. TRANSMISSION, CONVERTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, CONVERTER	C
1	7026746	1	Converter, Torque	

FIGURE 5-5. TRANSMISSION, INPUT

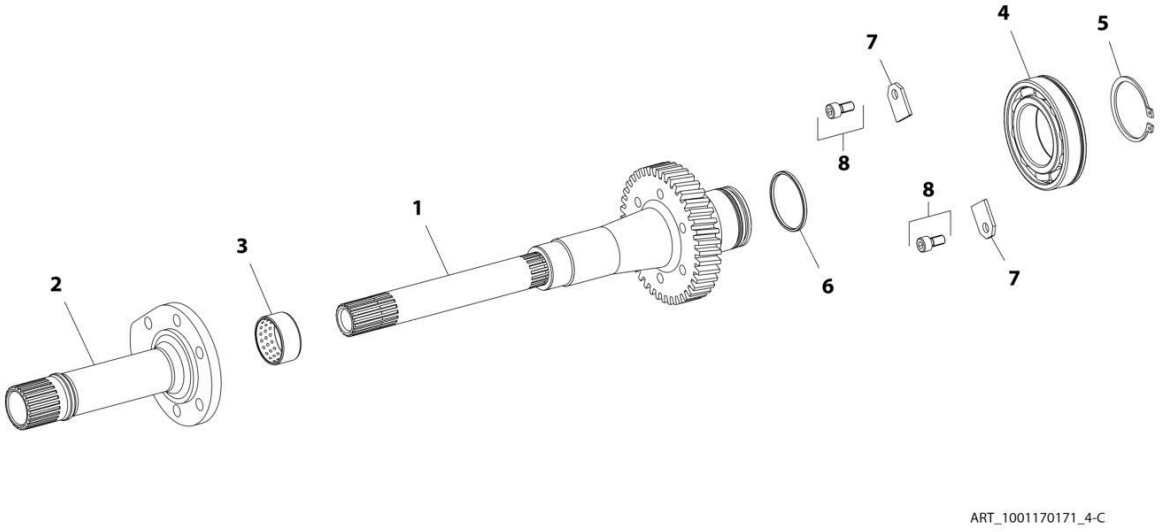


FIGURE 5-5. TRANSMISSION, INPUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, INPUT	C
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, M8X16	

FIGURE 5-6. TRANSMISSION, HOUSING GROUP 1

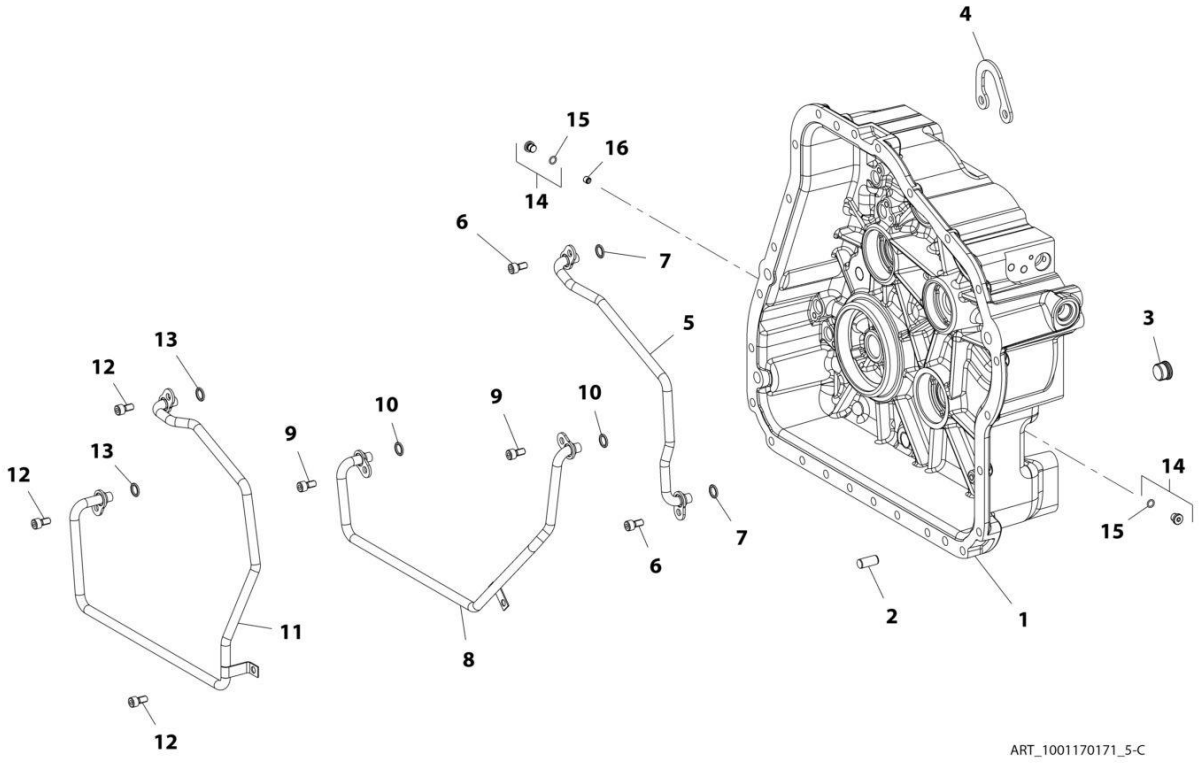


FIGURE 5-6. TRANSMISSION, HOUSING GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, HOUSING GROUP 1	C
1	7029973	1	Housing	
2	1319571	2	Pin, Dowel	
3	70023404	1	Plug	
4	1319590	1	Bracket, Lift	
5	7026750	1	Pipe	
6	70026516	2	Bolt, M8X16	
7	8036847	2	O-Ring	
8	7026751	1	Pipe	
9	70026516	2	Bolt, M8X16	
10	8036847	2	O-Ring	
11	7026752	1	Pipe	
12	70026516	3	Bolt, M8X16	
13	8036847	2	O-Ring	
14	70026517	7	Plug, Screw	
15	10731709	7	O-Ring	
16	70026518	1	Nozzle	

FIGURE 5-7. TRANSMISSION, HOUSING GROUP 2

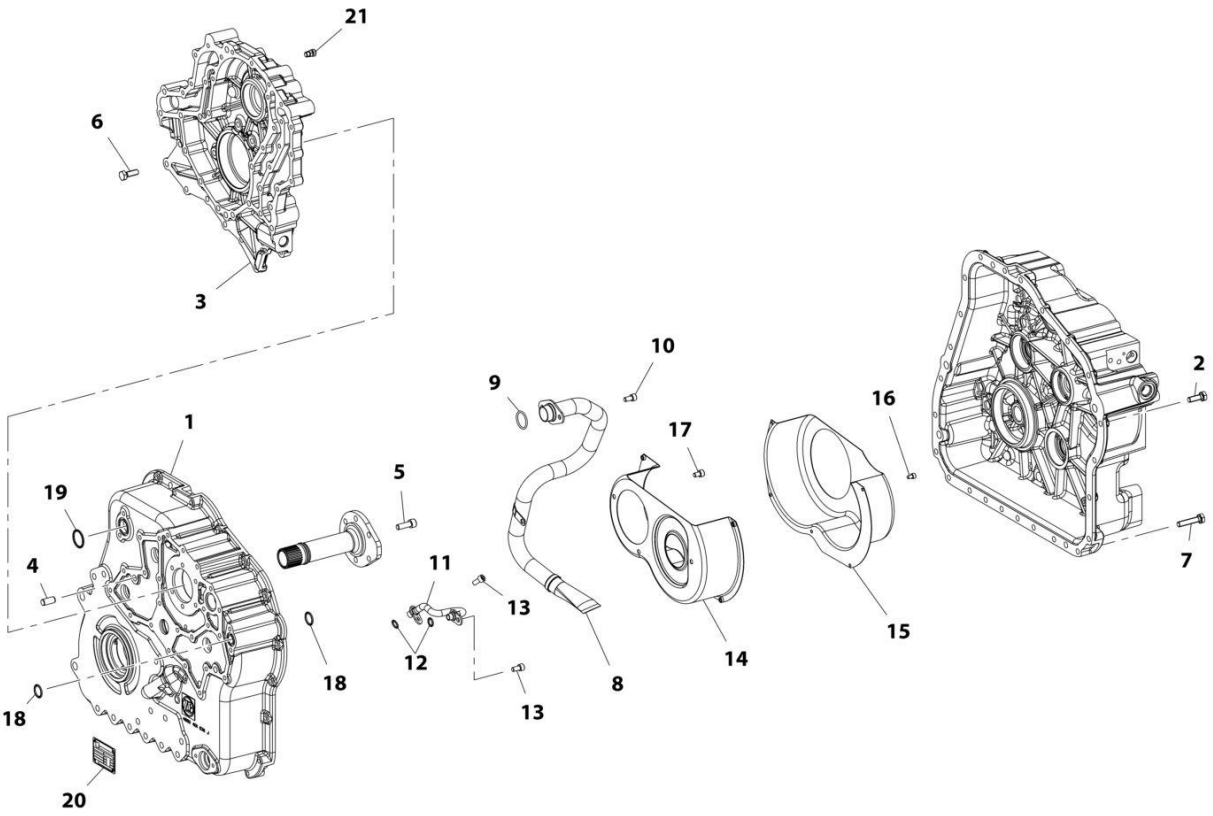


FIGURE 5-7. TRANSMISSION, HOUSING GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, HOUSING GROUP 2	C
1	7029972	1	Housing	
2	80304394	18	Bolt, M10X30	
3	70021920	1	Housing, PTO	
4	1319571	2	Pin, Dowel	
5	70026519	6	Bolt, M10X30	
6	80304394	13	Bolt, M10X30	
7	7026794	6	Bolt, M10X50	
8	7026753	1	Tube, Suction	
9	70023885	1	O-Ring	
10	70026516	2	Bolt, M8X16	
11	7026754	1	Pipe	
12	8036847	2	O-Ring	
13	70026516	2	Bolt, M8X16	
14	7026755	1	Sheet, Screen	
15	7026756	1	Sheet, Screen	
16	70026520	5	Bolt, M6X10	
17	70026521	3	Bolt, M8X12	
18	7026792	2	O-Ring	
19	70023885	1	O-Ring	
20	N.S.S.	1	Plate, Serial Number	
21	10731744	1	Breather	

FIGURE 5-8. TRANSMISSION, CLUTCH GROUP 1

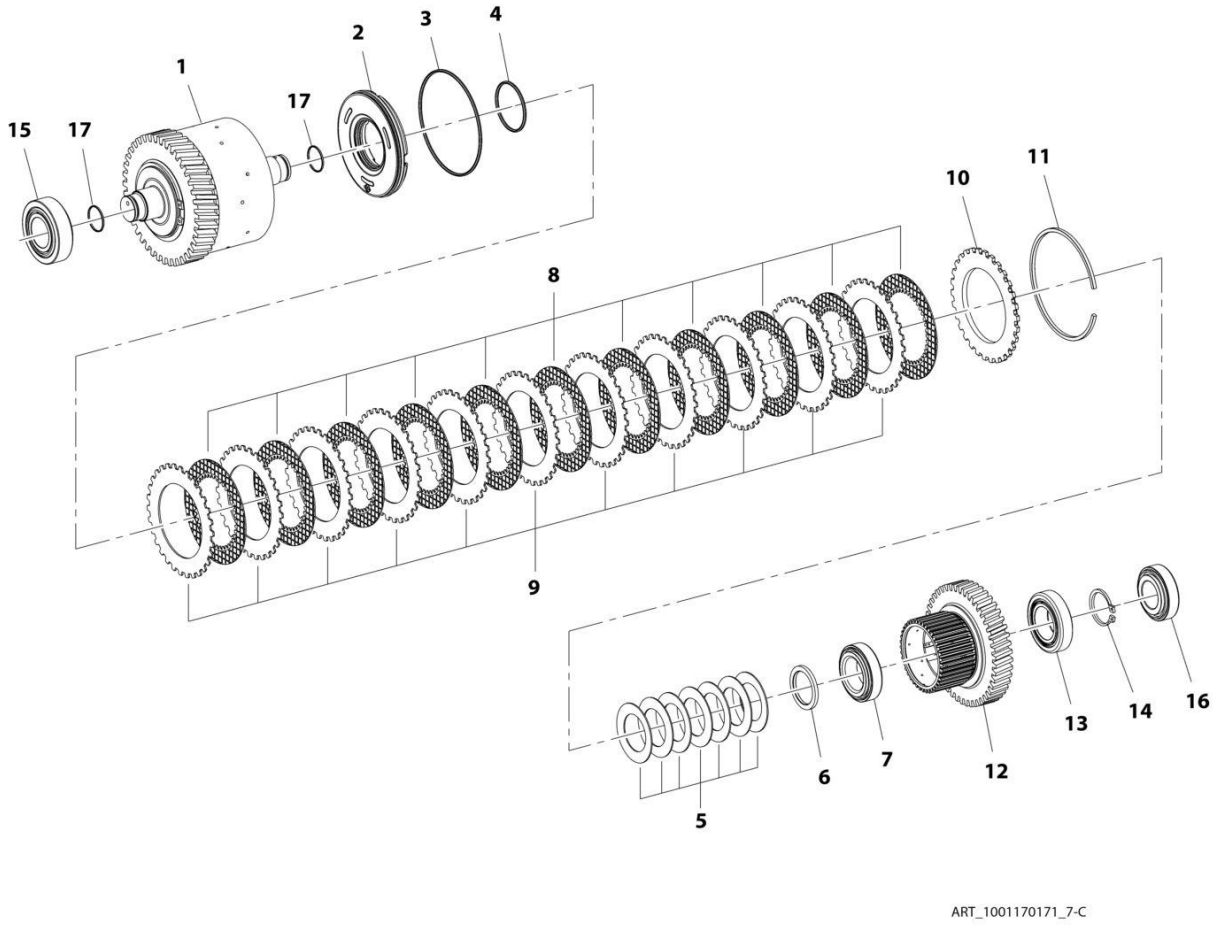


FIGURE 5-8. TRANSMISSION, CLUTCH GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, CLUTCH GROUP 1	C
1	7026757	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring	
4	1319593	1	O-Ring	
5	1319595	7	Spring, Cup	
6	1319617	1	Shim	
7	1319618	AR	Bearing, Roller	
8	7026758	11	Disc, Friction	
9	7026759	11	Disc, Clutch	
10	7026760	1	Shim	
11	70026527	AR	Ring, Snap 2.00	
11	70026528	AR	Ring, Snap 2.25	
11	70026529	AR	Ring, Snap 2.50	
11	7029852	AR	Ring	
11	1319602	AR	Ring	
11	7029849	AR	Ring	
11	1319601	AR	Ring	
11	7029850	AR	Ring	
11	1319600	AR	Ring	
12	1319638	1	Carrier, Inner Disc	
13	1319620	AR	Bearing, Roller	
14	1319632	AR	Ring	
14	1319631	AR	Ring	
14	1319630	AR	Ring	
14	1319629	AR	Ring	
14	1319628	AR	Ring	
14	1319627	AR	Ring	
14	1319626	AR	Ring	
14	1319625	AR	Ring	
14	1319624	AR	Ring	
14	1319623	AR	Ring	
14	1319622	AR	Ring	
14	1319621	AR	Ring	
15	1319615	1	Bearing, Roller	
16	1319636	1	Bearing, Roller	
17	7026761	2	Ring, Piston	

FIGURE 5-9. TRANSMISSION, CLUTCH GROUP 2

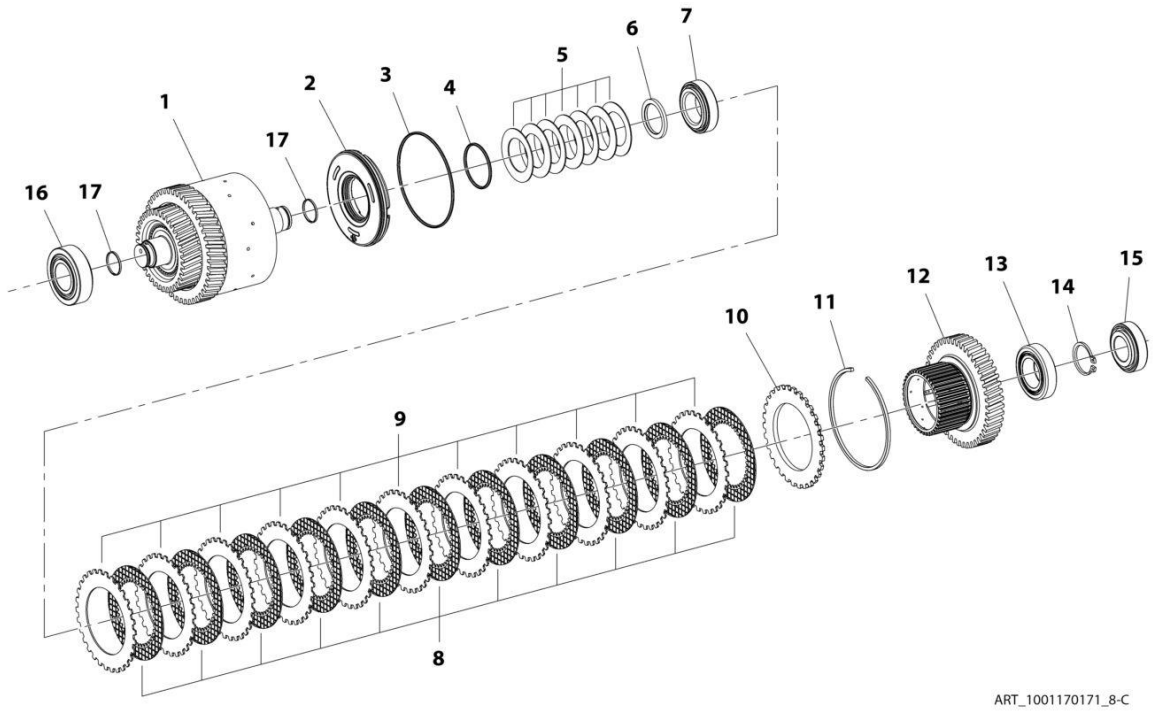


FIGURE 5-9. TRANSMISSION, CLUTCH GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, CLUTCH GROUP 2	C
1	7026762	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring	
4	1319593	1	O-Ring	
5	1319595	7	Spring, Cup	
6	1319617	1	Shim	
7	1319618	AR	Bearing, Roller	
8	7026758	11	Disc, Friction	
9	7026759	11	Disc, Static	
10	7026760	1	Shim	
11	70026527	AR	Ring, Snap 2.00	
11	70026528	AR	Ring, Snap 2.25	
11	70026529	AR	Ring, Snap 2.50	
11	7029852	AR	Ring	
11	1319602	AR	Ring	
11	7029849	AR	Ring	
11	1319601	AR	Ring	
11	7029850	AR	Ring	
11	1319600	AR	Ring	
12	1319638	1	Carrier, Disc	
13	1319620	1	Bearing, Roller	
14	1319632	AR	Ring	
14	1319631	AR	Ring	
14	1319630	AR	Ring	
14	1319629	AR	Ring	
14	1319628	AR	Ring	
14	1319627	AR	Ring	
14	1319626	AR	Ring	
14	1319625	AR	Ring	
14	1319624	AR	Ring	
14	1319623	AR	Ring	
14	1319622	AR	Ring	
14	1319621	AR	Ring	
15	1319615	1	Bearing, Roller	
16	1319636	1	Bearing, Roller	
17	7026761	2	Ring, Piston	

FIGURE 5-10. TRANSMISSION, COUPLING GROUP 1

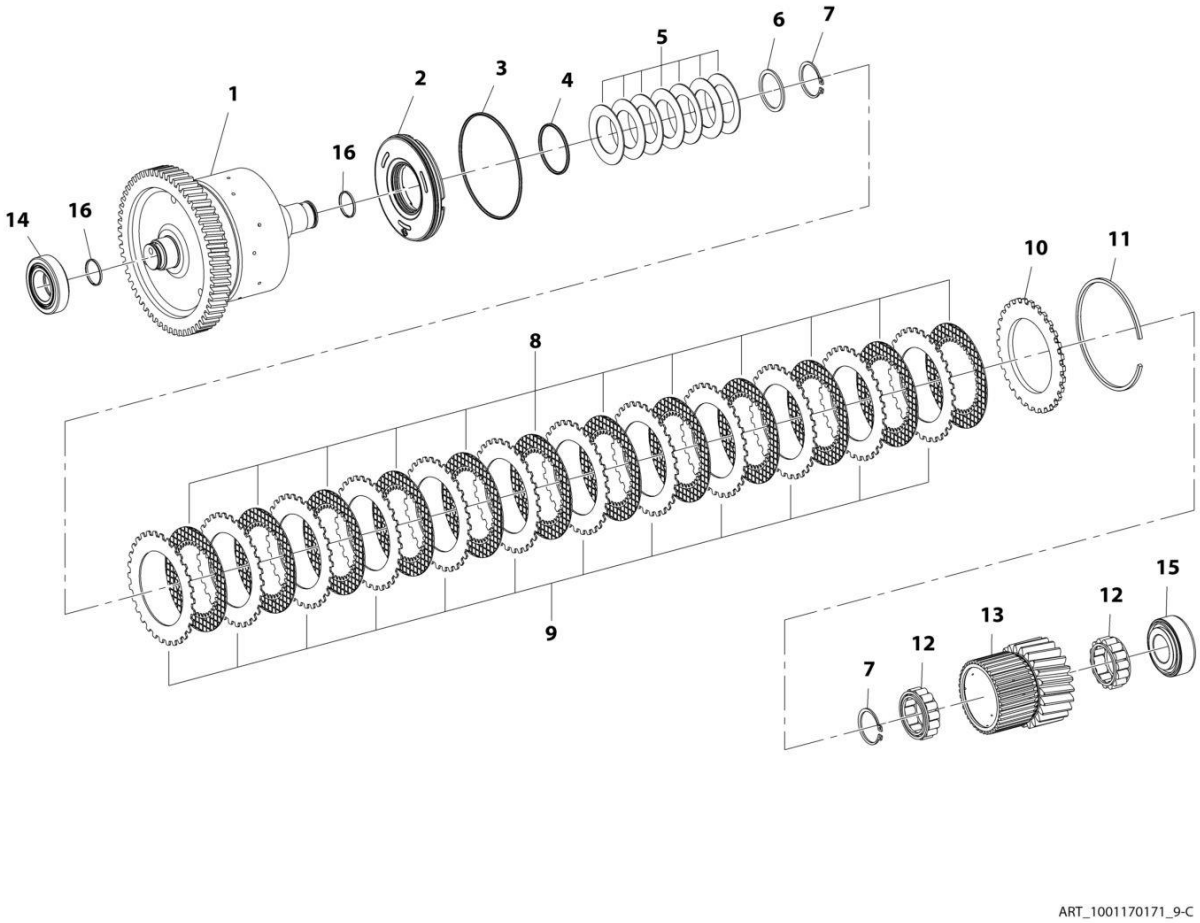


FIGURE 5-10. TRANSMISSION, COUPLING GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, COUPLING GROUP 1	C
1	70026530	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring	
4	1319593	1	O-Ring	
5	1319595	7	Spring, Cup	
6	1319596	1	Shim	
7	10731845	2	Ring, Retaining	
8	7026758	12	Disc, Friction	
9	7026759	12	Disc, Clutch	
10	7026760	1	Shim	
11	70026527	AR	Ring, Snap 2.00	
11	70026528	AR	Ring, Snap 2.25	
11	70026529	AR	Ring, Snap 2.50	
11	7029852	AR	Ring	
11	1319602	AR	Ring	
11	7029849	AR	Ring	
11	1319601	AR	Ring	
11	7029850	AR	Ring	
11	1319600	AR	Ring	
12	1319605	AR	Cage, Roller	
13	1319607	1	Carrier, Disc	
14	1319608	1	Bearing, Roller	
15	8036190	1	Bearing, Roller	
16	7026761	2	Piston Ring	

FIGURE 5-11. TRANSMISSION, COUPLING GROUP 2

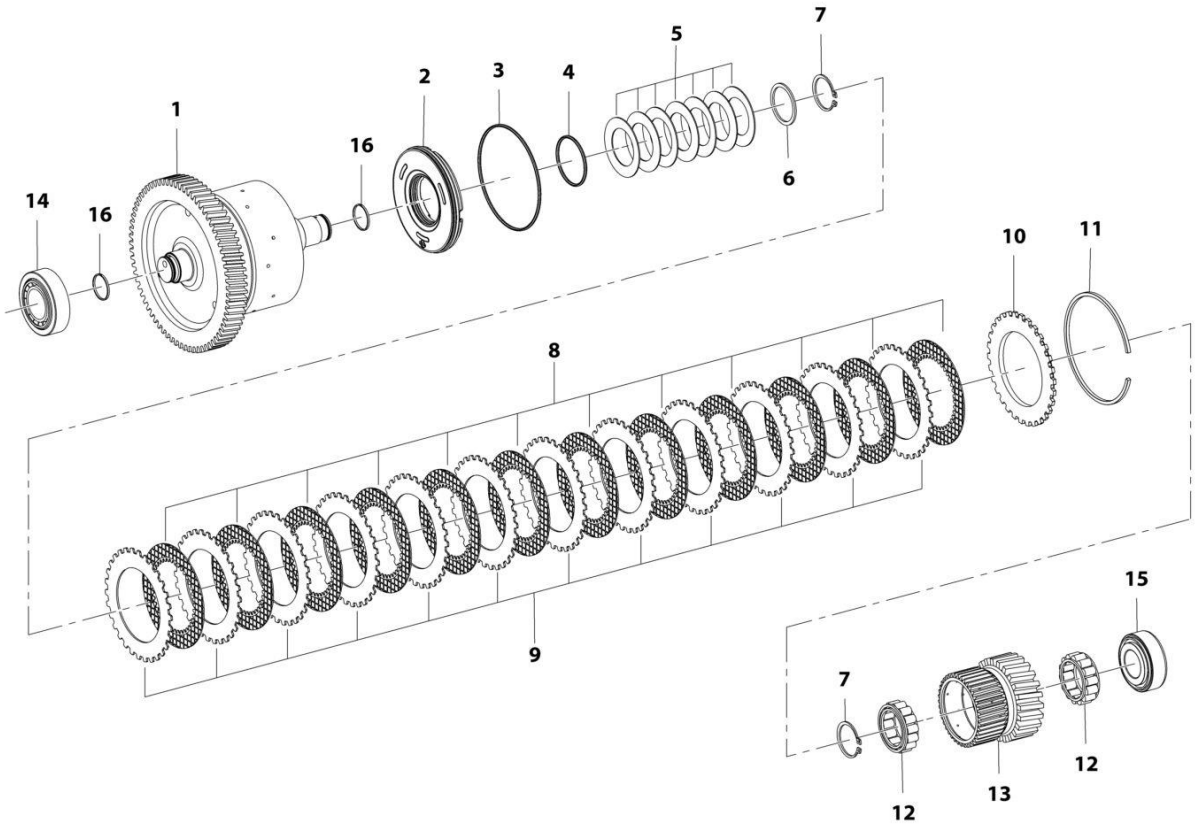


FIGURE 5-11. TRANSMISSION, COUPLING GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, COUPLING GROUP 2	C
1	70026531	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring	
4	1319593	1	O-Ring	
5	1319595	7	Spring, Cup	
6	1319596	1	Shim	
7	10731845	2	Ring, Retaining	
8	7026758	12	Disc, Friction	
9	7026759	12	Disc, Clutch	
10	7026760	1	Shim	
11	70026527	AR	Ring, Snap 2.00	
11	70026528	AR	Ring, Snap 2.25	
11	70026529	AR	Ring, Snap 2.50	
11	7029852	AR	Ring	
11	1319602	AR	Ring	
11	7029849	AR	Ring	
11	1319601	AR	Ring	
11	7029850	AR	Ring	
11	1319600	AR	Ring	
12	1319605	AR	Bearing, Roller	
13	1319614	1	Carrier, Disc	
14	1319615	1	Bearing, Roller	
15	8036190	1	Bearing, Roller	
16	7026761	2	Ring, Piston	

FIGURE 5-12. TRANSMISSION, COUPLING GROUP 3

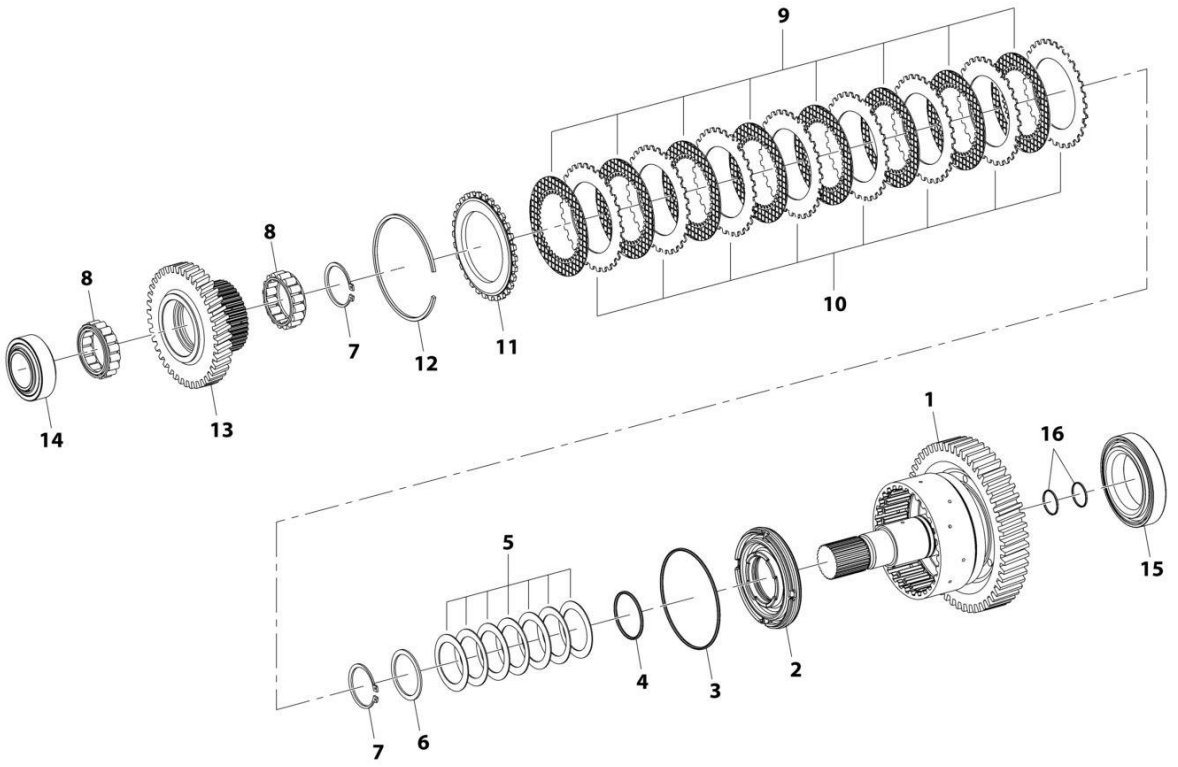


FIGURE 5-12. TRANSMISSION, COUPLING GROUP 3

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, COUPLING GROUP 3	C
1	70026532	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring	
4	1319593	1	O-Ring	
5	7026765	7	Spring, Cup	
6	7026766	1	Washer	
7	80304227	AR	Ring, Retaining	
8	70021227	AR	Ring	
8	70021228	AR	Cage, Roller	
9	7026758	AR	Disc, Friction	
10	7026759	AR	Disc, Clutch	
11	7026760	AR	Shim	
12	70026527	AR	Ring	
12	70026528	AR	Ring	
12	70026529	AR	Ring	
12	7029852	AR	Ring	
12	1319602	AR	Ring	
12	7029849	AR	Ring	
12	1319601	AR	Ring	
12	7029850	AR	Ring	
12	1319600	AR	Ring	
13	7027267	1	Carrier, Disc	
14	70021268	1	Bearing, Outer Ring	
14	70021269	1	Bearing, Inner Ring	
15	7026769	AR	Bearing, Roller	
16	7026761	2	Ring, Piston	

FIGURE 5-13. TRANSMISSION, COUPLING GROUP 4

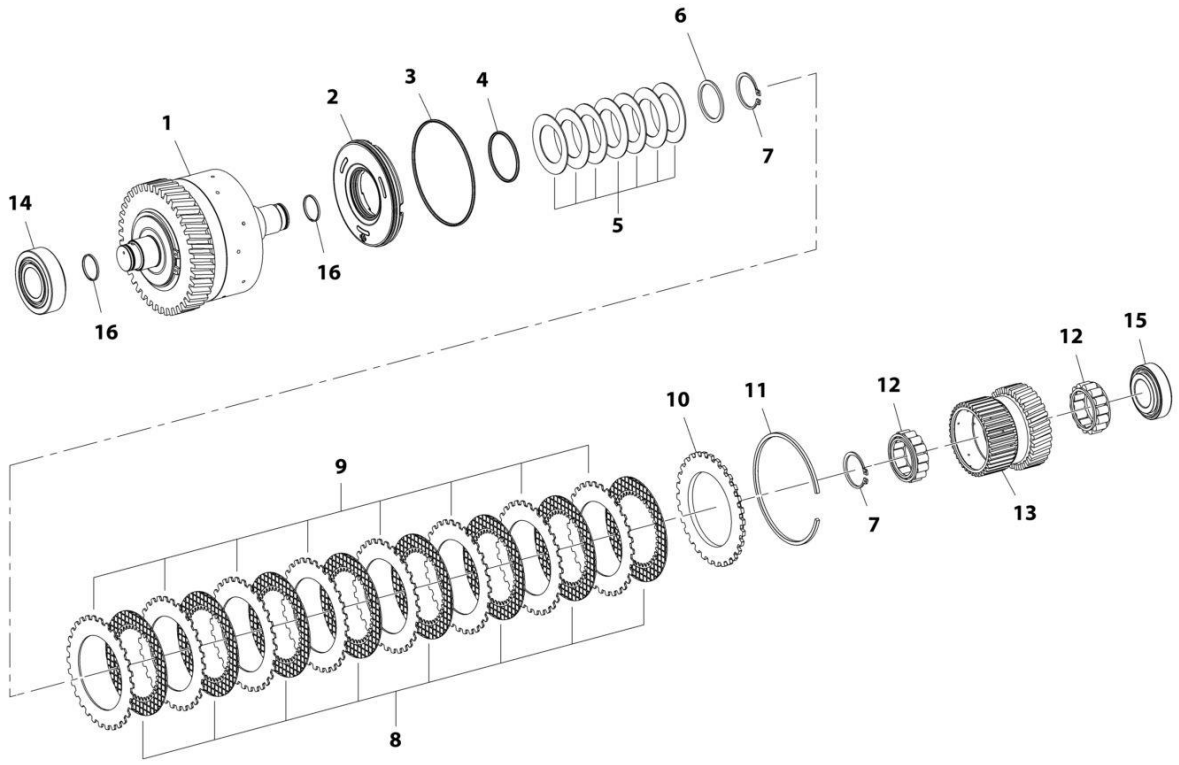
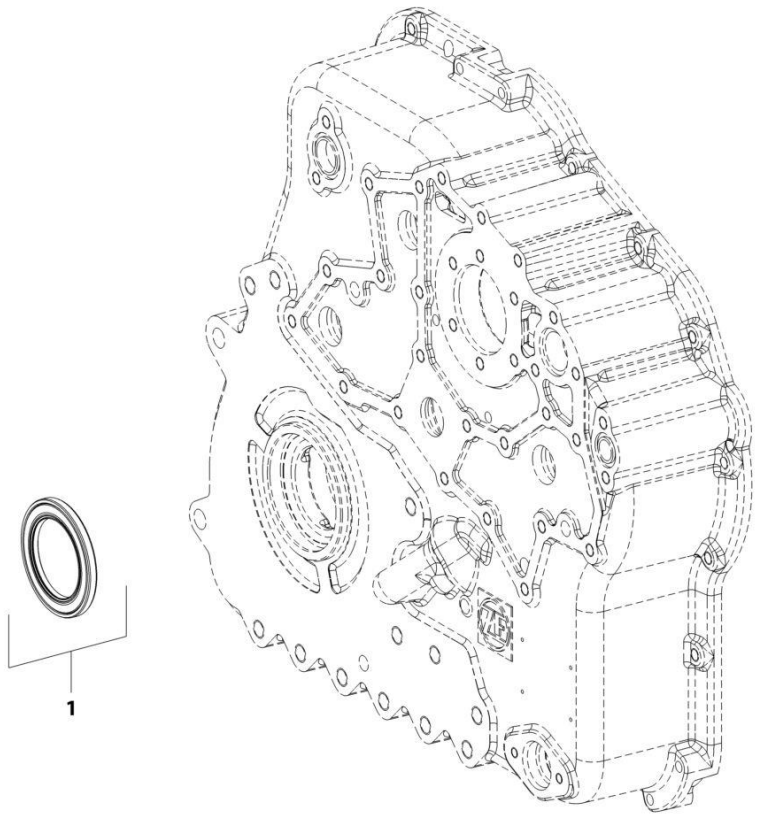


FIGURE 5-13. TRANSMISSION, COUPLING GROUP 4

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, COUPLING GROUP 4	C
1	70026535	1	Coupling	
2	70022075	1	Piston	
3	1319594	1	O-Ring	
4	1319593	1	O-Ring	
5	1319595	7	Spring, Cup	
6	1319596	1	Shim	
7	10731845	2	Ring, Retaining	
8	7026758	8	Disc, Friction	
9	7026759	8	Disc, Clutch	
10	7026760	1	Shim	
11	70026527	AR	Ring, Snap 2.00	
11	70026528	AR	Ring, Snap 2.25	
11	70026529	AR	Ring, Snap 2.50	
11	7029852	AR	Ring	
11	1319602	AR	Ring	
11	7029849	AR	Ring	
11	1319601	AR	Ring	
11	7029850	AR	Ring	
11	1319600	AR	Ring	
12	1319605	AR	Bearing, Roller	
13	1319635	1	Carrier, Disc	
14	1319615	1	Bearing, Roller	
15	1319636	1	Bearing, Roller	
16	7026761	2	Ring, Piston	

FIGURE 5-14. TRANSMISSION, OUTPUT



ART_1001170171_13-C

FIGURE 5-14. TRANSMISSION, OUTPUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, OUTPUT	C
1	70026536	1	Seal, Shaft	

FIGURE 5-15. TRANSMISSION, POWER TAKE-OFF

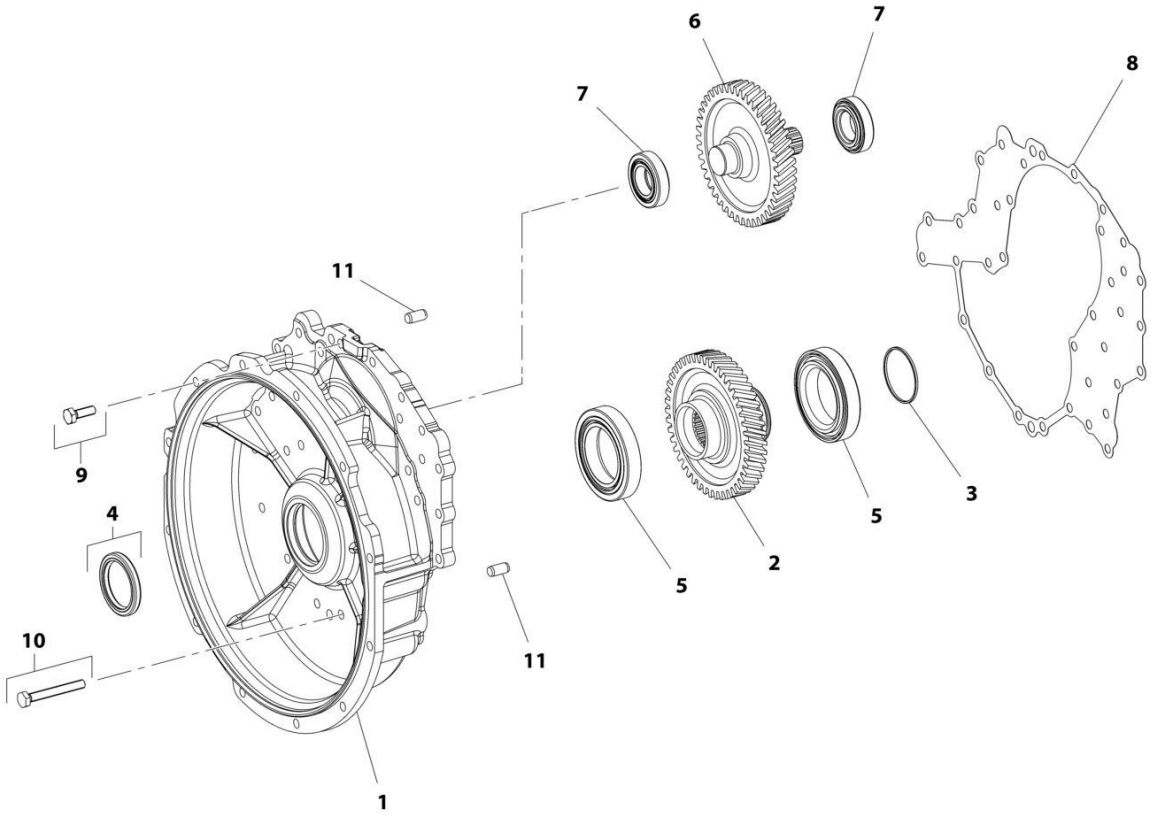
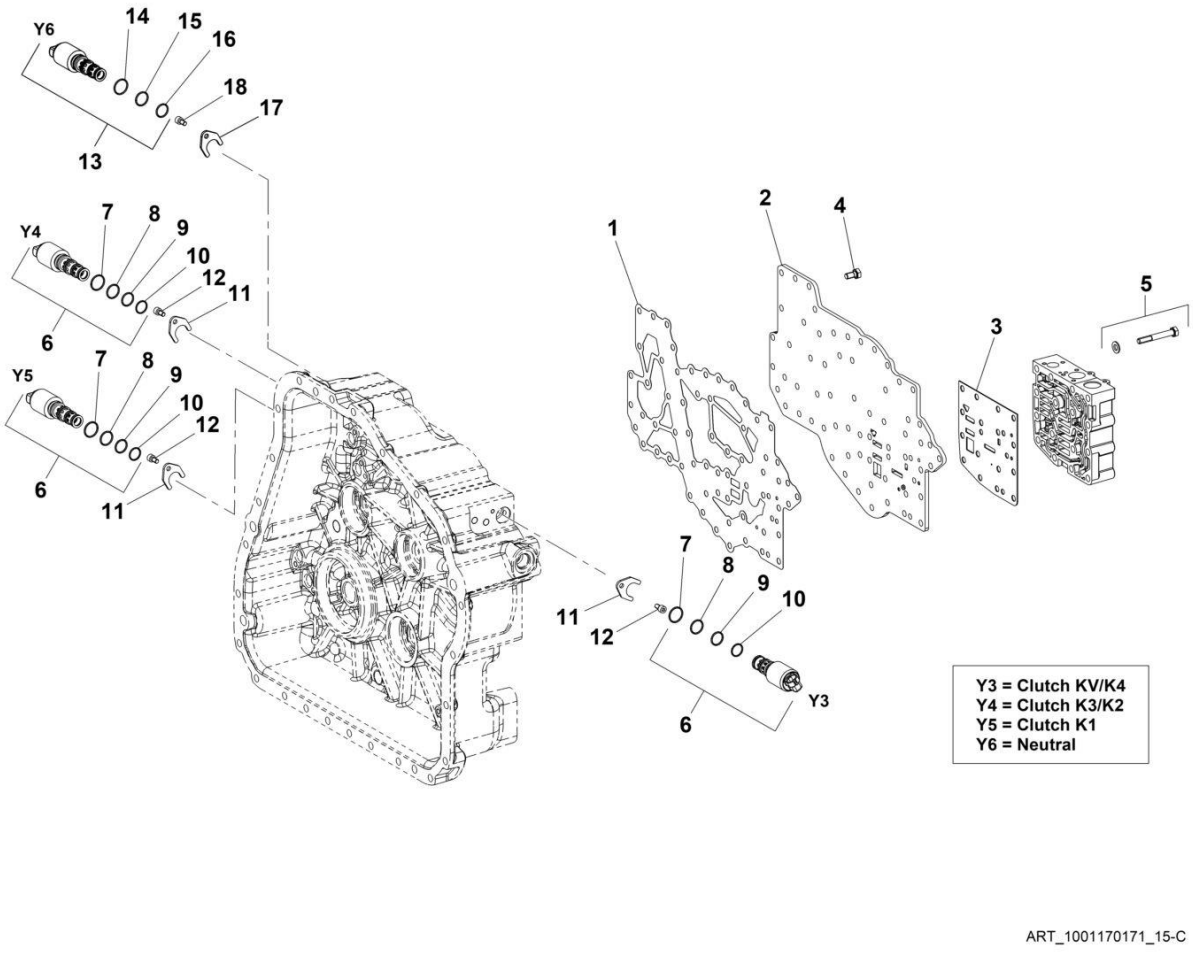


FIGURE 5-15. TRANSMISSION, POWER TAKE-OFF

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, POWER TAKE-OFF	C
1	70021526	1	Housing	
2	7026771	1	Shaft	
3	7026772	1	Ring, Piston	
4	1319576	1	Seal, Shaft	
5	7026769	AR	Bearing, Roller	
6	7026773	1	Shaft	
7	1319608	AR	Bearing, Roller	
8	7026774	1	Gasket	
9	80304394	21	Bolt, M10X30	
10	7026775	15	Bolt, M10X80	
11	1319571	2	Pin	

FIGURE 5-16. TRANSMISSION, CONTROL UNIT



ART_1001170171_15-C

FIGURE 5-16. TRANSMISSION, CONTROL UNIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, CONTROL UNIT	C
1	7026776	1	Gasket	
2	70026538	1	Plate	
3	70026539	1	Sheet, Intermediate	
4	7026780	46	Bolt, M8X16	
5	7026781	16	Bolt, M8X60 (includes washer)	
5	10732095	16	Washer	
6	8036529	3	Valve, Solenoid (includes items 7 thru 10)	
7	N.S.S.	3	O-Ring	
8	N.S.S.	3	O-Ring	
9	N.S.S.	3	O-Ring	
10	N.S.S.	3	O-Ring	
11	7029267	3	Bracket	
12	70026544	3	Bolt, M6X12	
13	8036528	1	Valve, Solenoid (includes items 14 thru 16)	
14	N.S.S.	1	O-Ring	
15	N.S.S.	1	O-Ring	
16	N.S.S.	1	O-Ring	
17	7029267	1	Bracket	
18	70026544	1	Bolt, M6X12	

FIGURE 5-17. TRANSMISSION, SHIFT SYSTEM

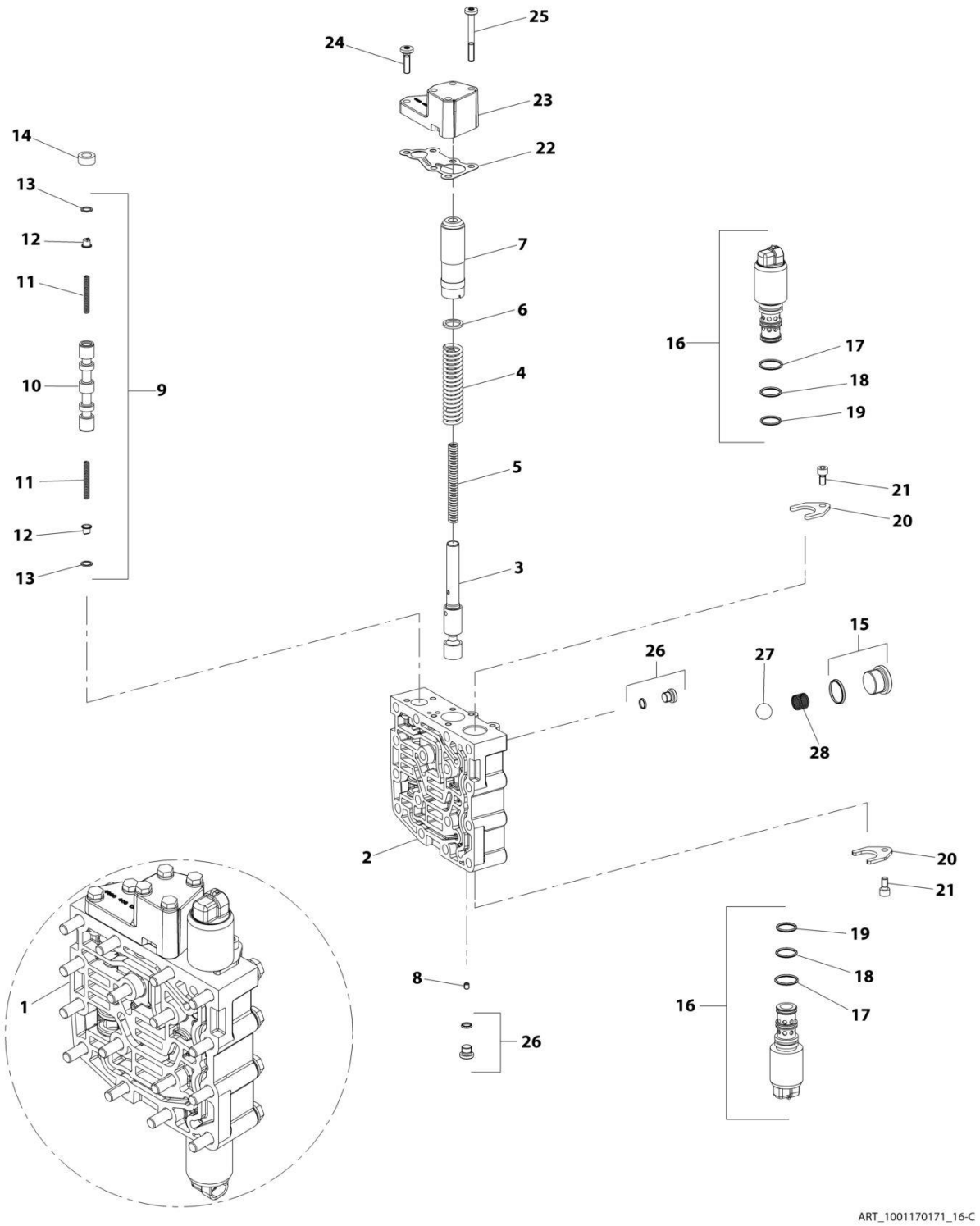


FIGURE 5-17. TRANSMISSION, SHIFT SYSTEM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, SHIFT SYSTEM	C
1	70026561	1	Assembly, Shift System (includes all items)	
2	70026546	1	Housing, Valve	
3	70026547	1	Piston, Control	
4	1319683	1	Spring	
5	1319684	1	Spring	
6	1319689	AR	Washer	
6	1319688	AR	Washer	
6	1319687	AR	Washer	
6	1319686	AR	Washer	
6	1319685	AR	Washer	
7	70026548	1	Piston	
8	70026549	1	Nozzle	
9	1319694	1	Assembly, Valve (includes items 10 thru 13)	
10	N.S.S.	1	Piston	
11	N.S.S.	2	Spring, Compression	
12	N.S.S.	2	Sleeve, Spring	
13	N.S.S.	2	Ring, Snap	
14	7026787	1	Spacer	
15	70026554	1	Plug, Screw (includes o-ring)	
15	70000656	1	O-Ring	
16	8036528	2	Valve, Solenoid (includes items 17 thru 19)	
17	N.S.S.	2	O-Ring	
18	N.S.S.	2	O-Ring	
19	N.S.S.	2	O-Ring	
20	7029267	2	Bracket	
21	70026544	2	Bolt, M6X12	
22	7026788	1	Gasket	
23	7026789	1	Cover	
24	70026555	2	Screw, Torx M6X23	
25	70026556	4	Screw, Torx M6X52	
26	70026517	2	Plug, Screw (includes o-ring)	
26	10731709	2	O-Ring	
27	10732071	1	Ball	
28	10732072	1	Spring	

FIGURE 5-18. TRANSMISSION, PRESSURE REGULATOR

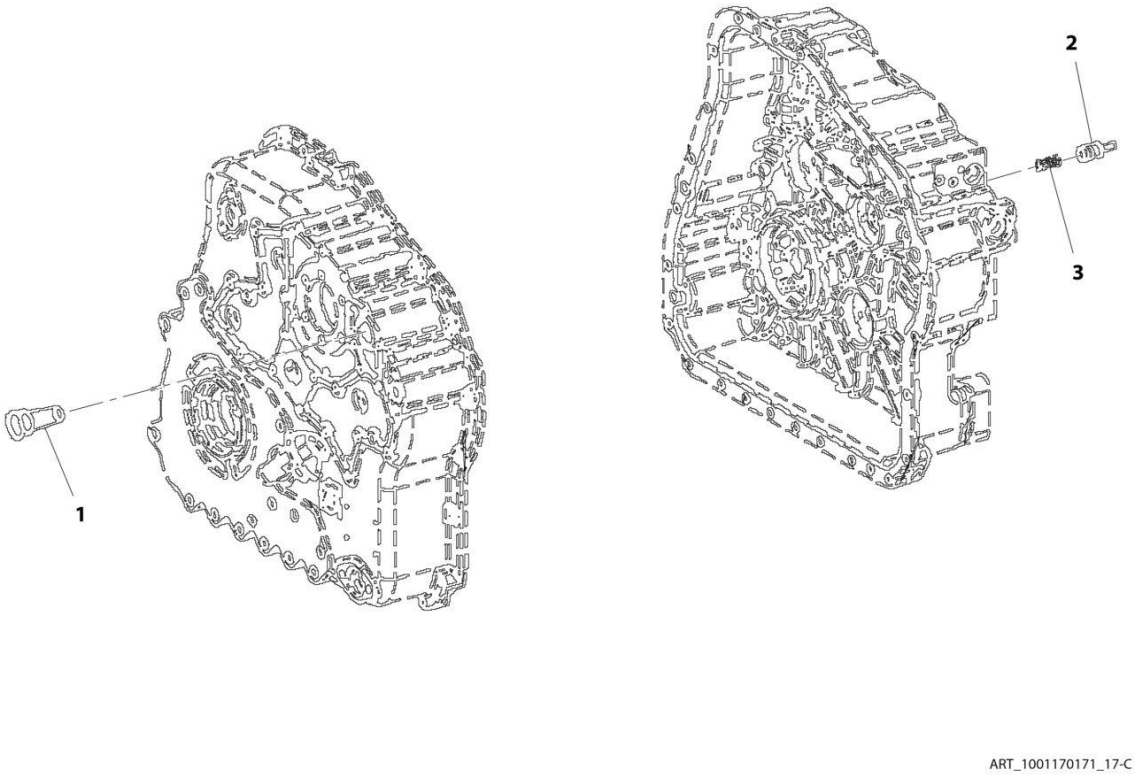


FIGURE 5-18. TRANSMISSION, PRESSURE REGULATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, PRESSURE REGULATOR	C
1	7026782	1	Valve	
2	7026783	1	Piston	
3	7026784	1	Spring	

FIGURE 5-19. TRANSMISSION, PRESSURE OIL PUMP

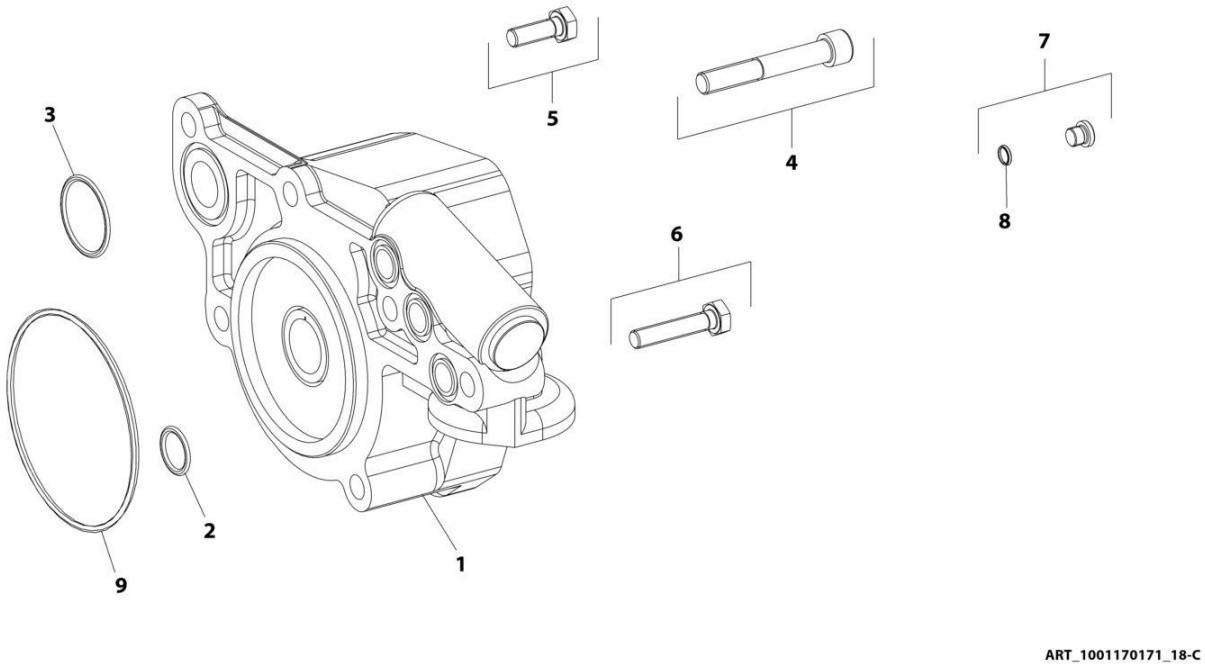


FIGURE 5-19. TRANSMISSION, PRESSURE OIL PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, PRESSURE OIL PUMP	C
1	7026791	1	Pump	
2	7026792	3	O-Ring	
3	1319719	1	O-Ring	
4	7026793	4	Bolt, M12X80	
5	80304394	1	Bolt, M10X30	
6	7026794	1	Bolt, M10X50	
7	70026517	2	Plug, Screw	
8	10731709	2	O-Ring	
9	8036250	1	O-RING (located between oil pump and transmission)	

FIGURE 5-20. TRANSMISSION, INDUCTIVE TRANSMITTER

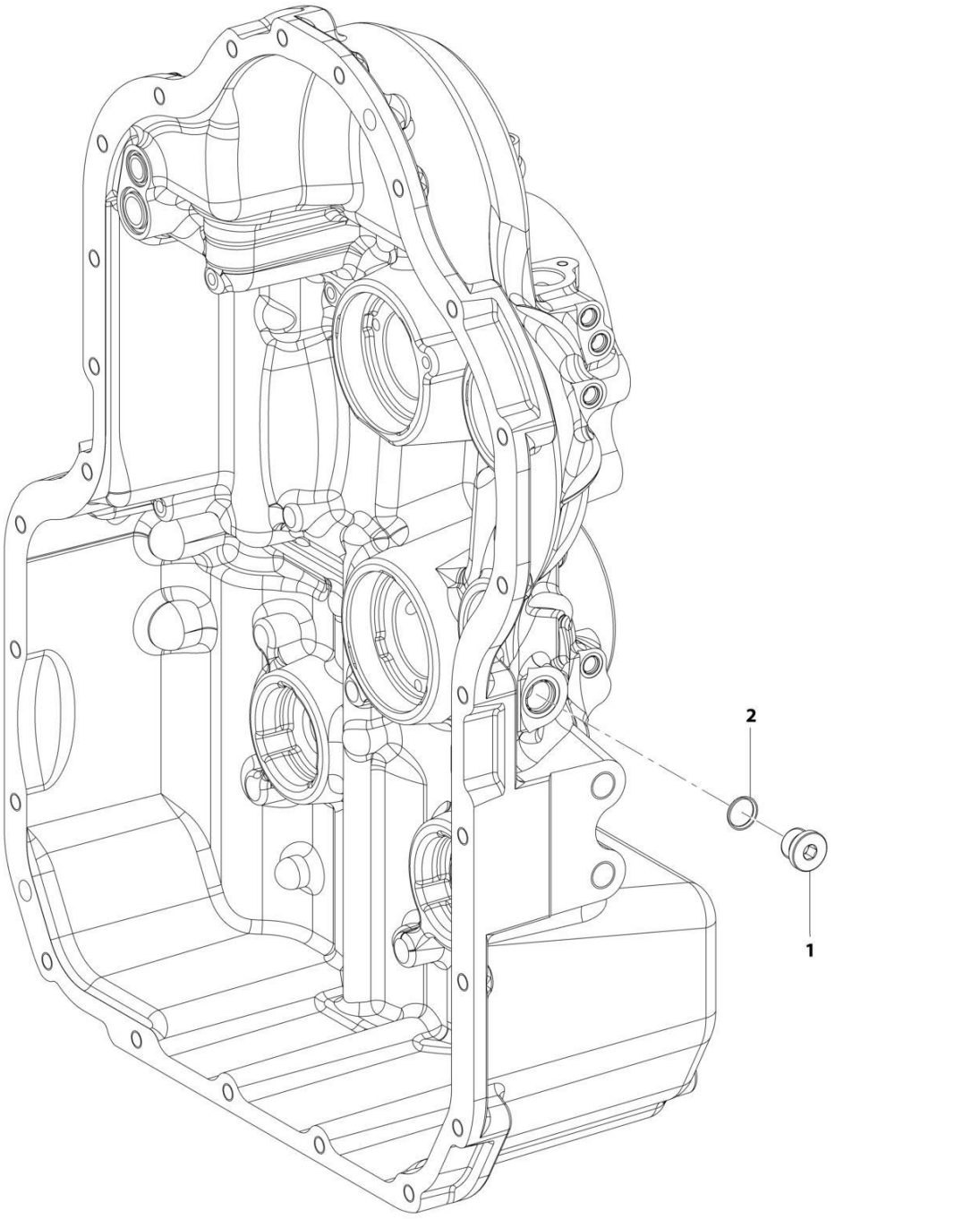


FIGURE 5-20. TRANSMISSION, INDUCTIVE TRANSMITTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, INDUCTIVE TRANSMITTER	C
1	70024895	1	Plug, Screw (includes o-ring)	
2	N.S.S.	1	O-Ring	

FIGURE 5-21. TRANSMISSION, FILTER

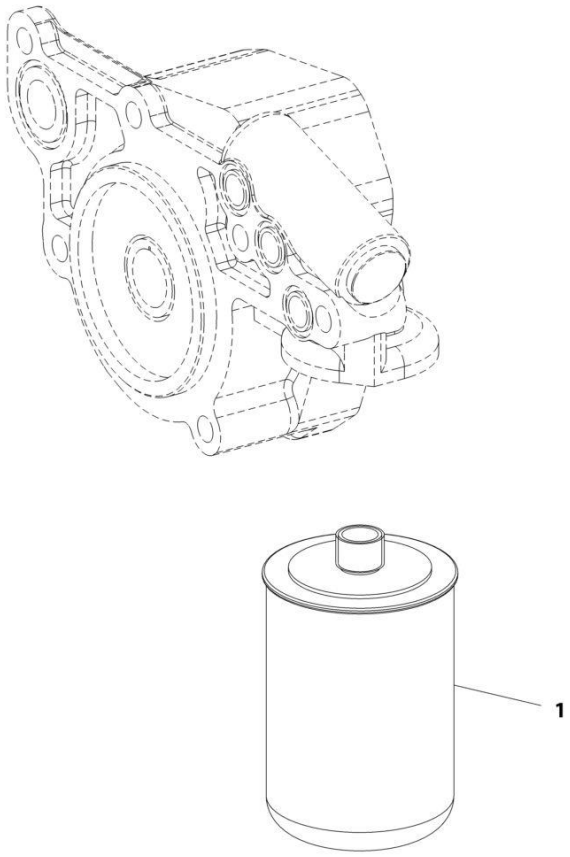
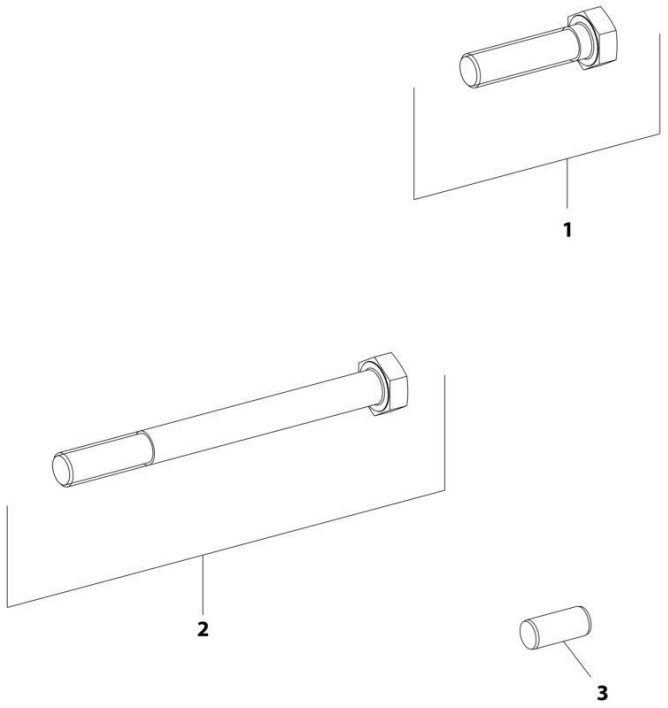


FIGURE 5-21. TRANSMISSION, FILTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, FILTER	C
1	1319726	1	Filter	

FIGURE 5-22. TRANSMISSION, ACCESSORIES GROUP 1



ART_1001170171_21-C

FIGURE 5-22. TRANSMISSION, ACCESSORIES GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, ACCESSORIES GROUP 1	C
1	7027254	12	Bolt, M14X55	
2	7027255	2	Bolt, M14X150	
3	1319571	1	Pin	

FIGURE 5-23. TRANSMISSION, PERIPHERALS GROUP 1

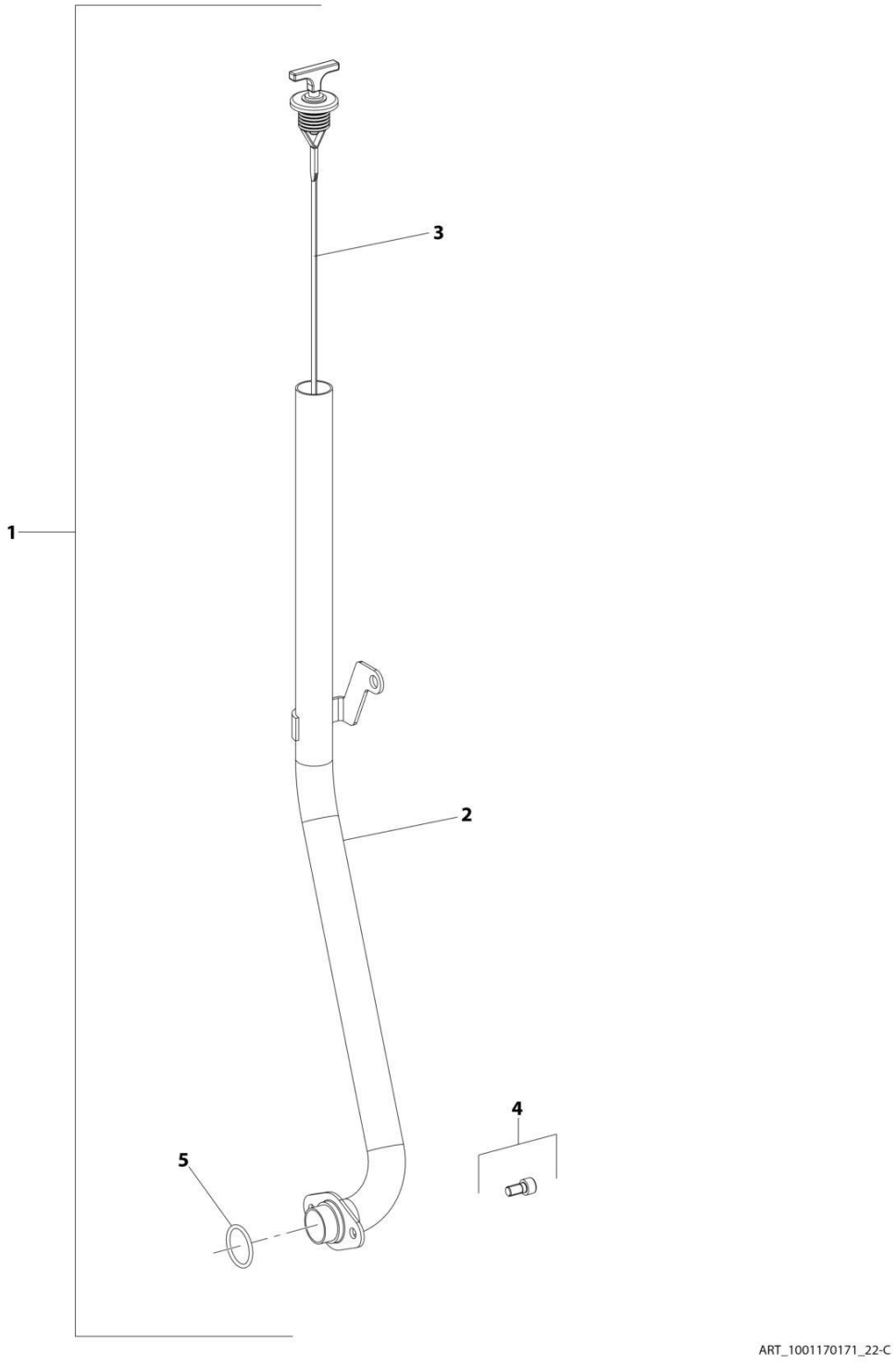
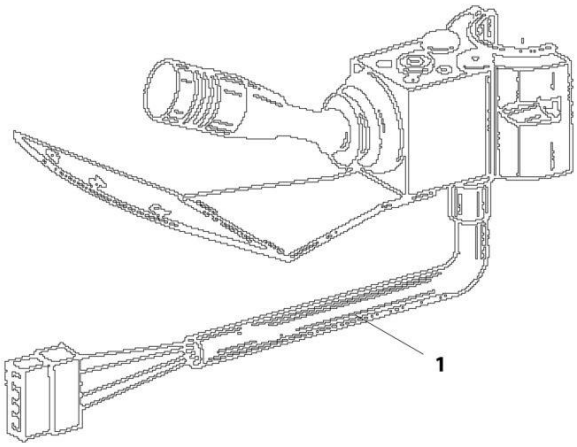


FIGURE 5-23. TRANSMISSION, PERIPHERALS GROUP 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, PERIPHERALS GROUP 1	C
1	1001095738	1	Kit, Oil Level Dipstick (includes items 2 & 3)	
2	1001095744	1	Tube, Oil Level	
3	8841322	1	Dipstick, Oil Level	
4	70026516	2	Bolt, M8X16	
5	70023885	1	O-Ring	

FIGURE 5-24. TRANSMISSION, PERIPHERALS GROUP 2



ART_1001170171_23

FIGURE 5-24. TRANSMISSION, PERIPHERALS GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, PERIPHERALS GROUP 2	C
1	70026558	1	Selector, Range	

FIGURE 5-25. TRANSMISSION, ACCESSORIES GROUP 2

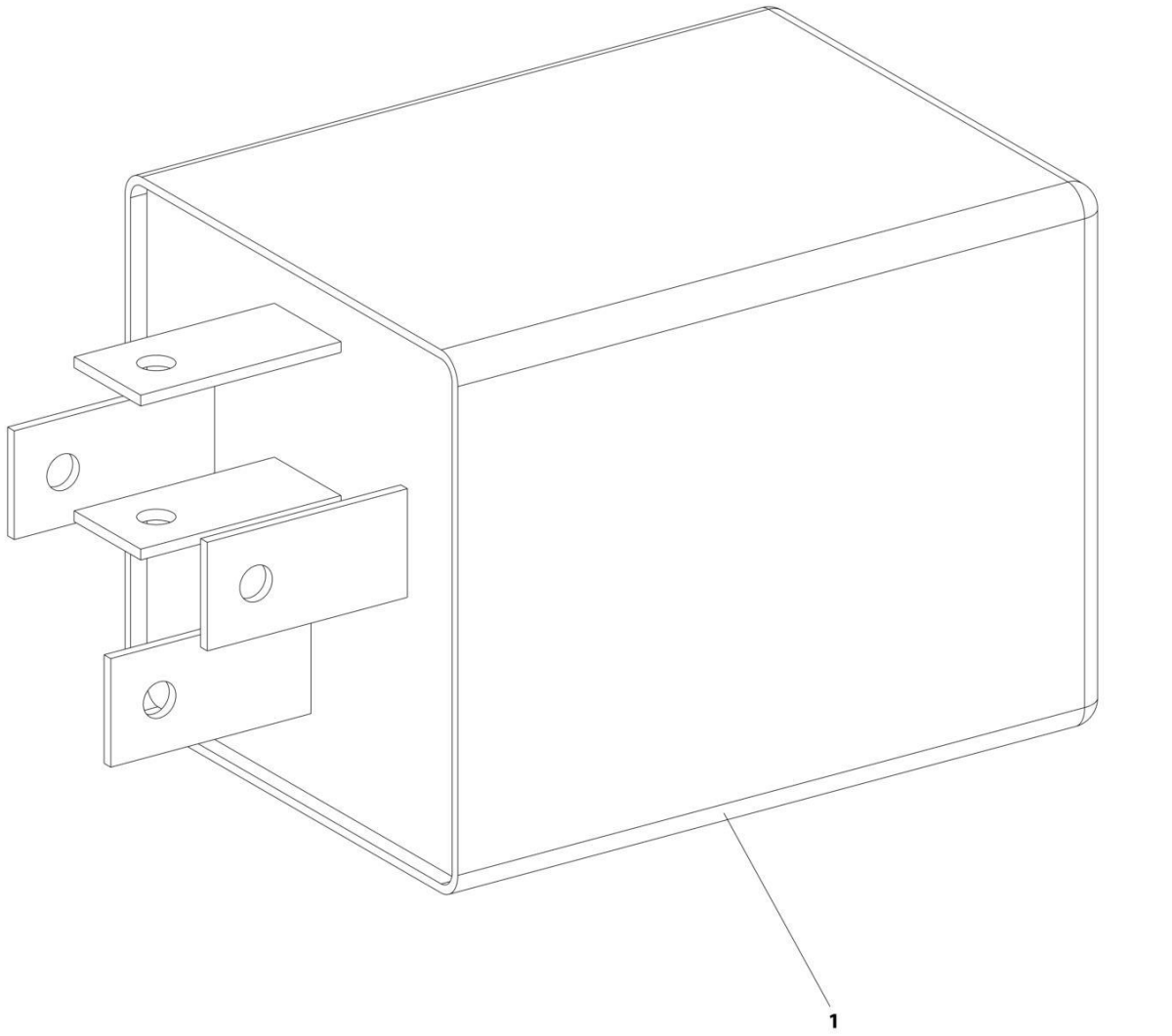


FIGURE 5-25. TRANSMISSION, ACCESSORIES GROUP 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, ACCESSORIES GROUP 2	C
1	70026559	1	Relay	

FIGURE 5-26. TRANSMISSION, TRANSFER BOX

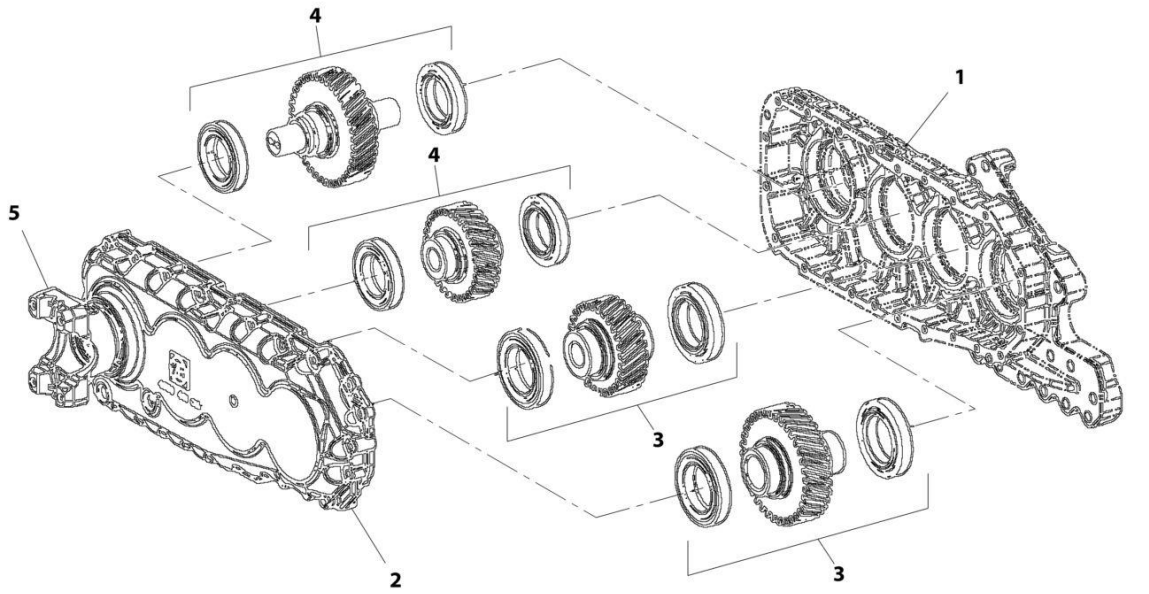


FIGURE 5-26. TRANSMISSION, TRANSFER BOX

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, TRANSFER BOX	C
	70023502	1	Box Transfer (includes all items)	
1	N.S.S.	Ref	Housing 1, Transfer Box (See Separate Breakdown in this Section)	
2	N.S.S.	Ref	Housing 2, Transfer Box (See Separate Breakdown in this Section)	
3	N.S.S.	Ref	Input, Transfer Box (See Separate Breakdown in this Section)	
4	N.S.S.	Ref	Output 1, Transfer Box (See Separate Breakdown in this Section)	
5	N.S.S.	Ref	Output 2, Transfer Box (See Separate Breakdown in this Section)	

FIGURE 5-27. TRANSMISSION, TRANSFER BOX HOUSING 1

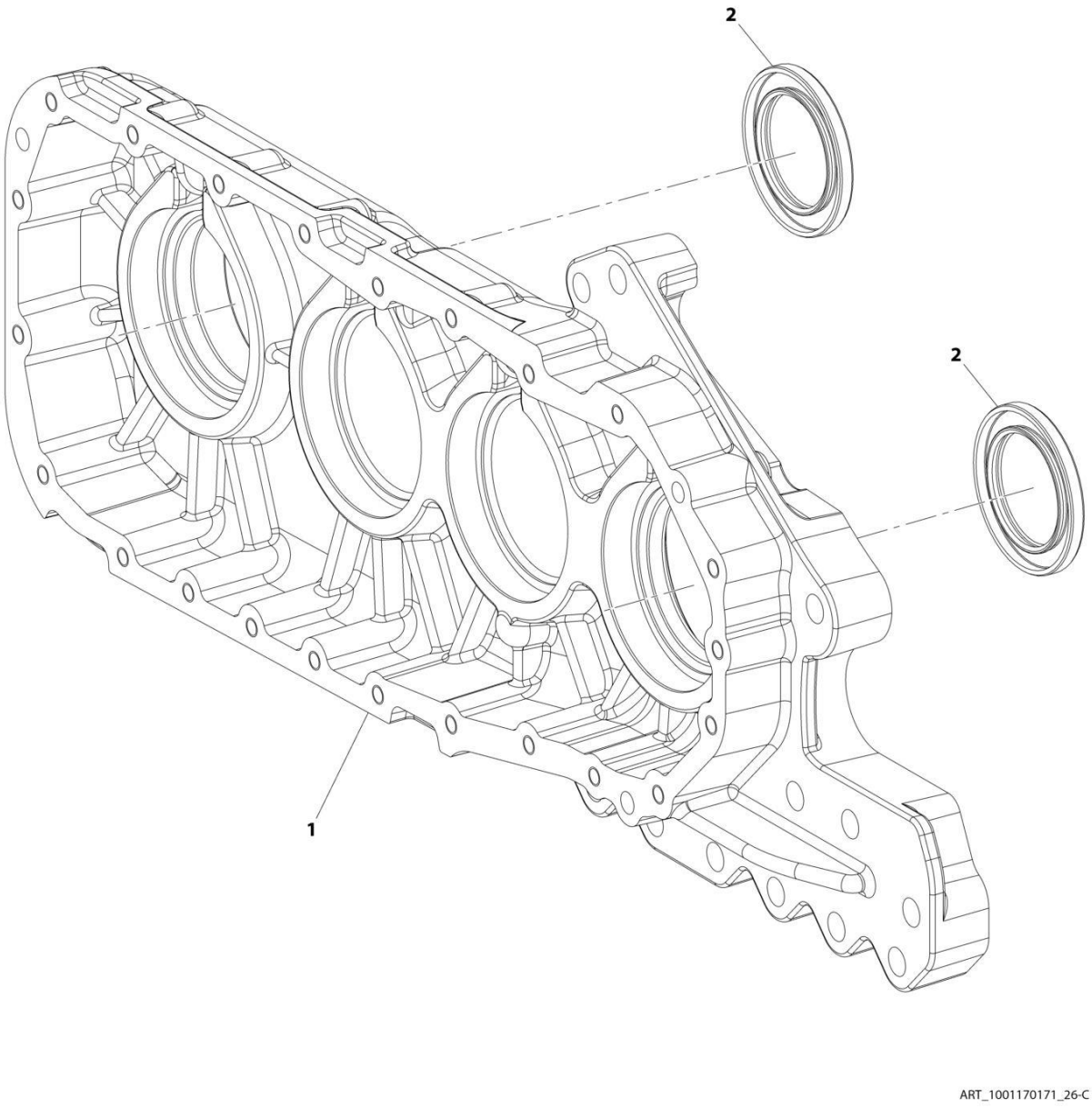


FIGURE 5-27. TRANSMISSION, TRANSFER BOX HOUSING 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, TRANSFER BOX HOUSING 1	C
1	70023474	1	Housing, Transfer Box	
2	70026536	2	Seal, Shaft	

FIGURE 5-28. TRANSMISSION, TRANSFER BOX HOUSING 2

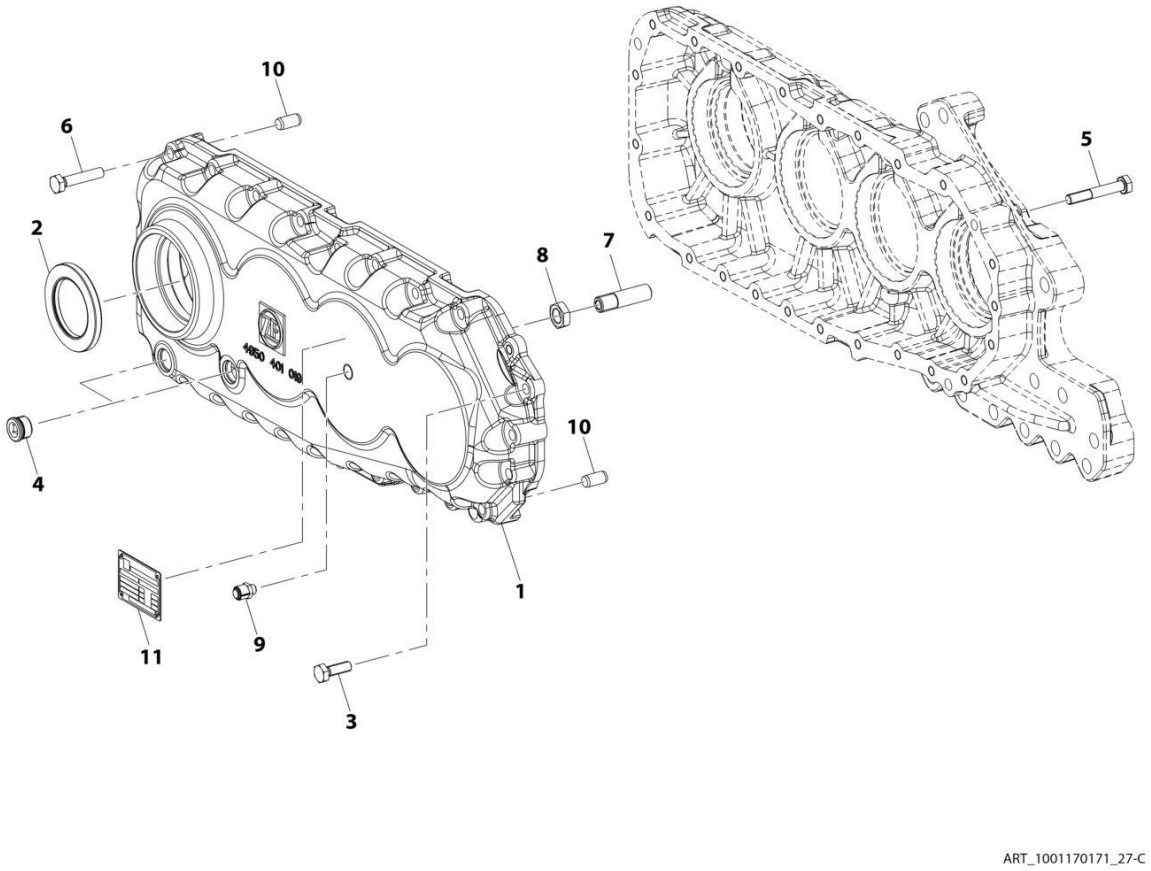
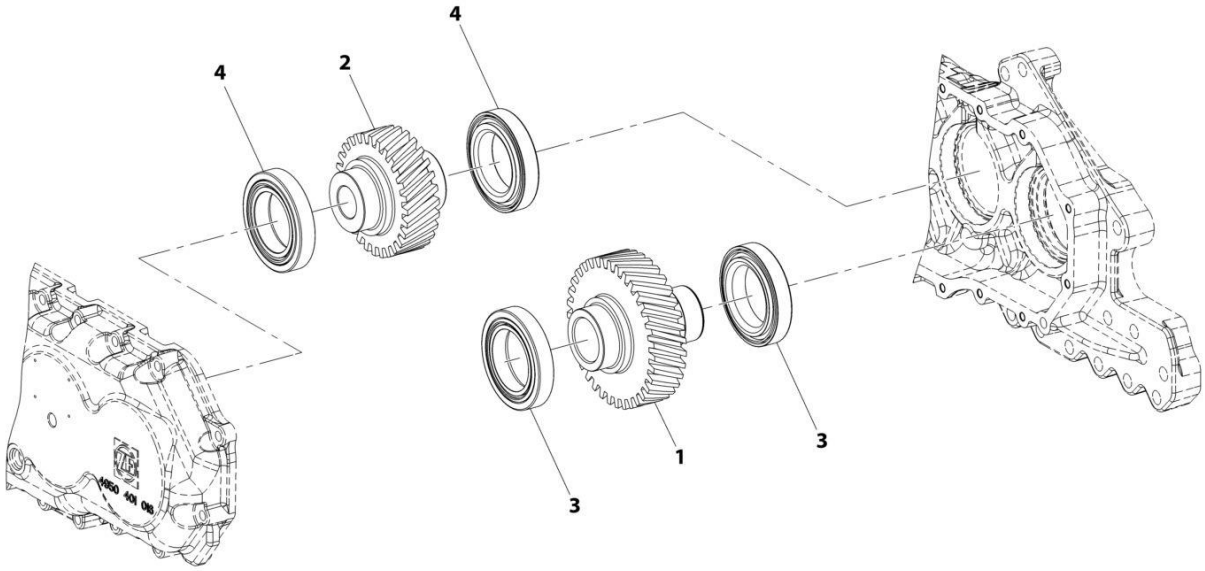


FIGURE 5-28. TRANSMISSION, TRANSFER BOX HOUSING 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, TRANSFER BOX HOUSING 2	C
1	70023475	1	Housing	
2	70026536	1	Seal, Shaft	
3	70023800	1	Bolt, M10X30	
4	70023404	2	Plug	
5	70023476	1	Bolt, M10X65	
6	70023801	22	Bolt, M10X50	
7	7026577	1	Sleeve	
8	7026578	1	Nut, M16	
9	1319436	1	Breather	
10	1319571	2	Pin	
11	N.S.S.	1	Plate, Serial Number	

FIGURE 5-29. TRANSMISSION, TRANSFER BOX HOUSING INPUT



ART_1001170171_28-C

FIGURE 5-29. TRANSMISSION, TRANSFER BOX HOUSING INPUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, TRANSFER BOX HOUSING INPUT	C
1	7027269	1	Shaft	
2	7027270	1	Gear, Idler	
3	7026769	2	Bearing, Roller	
4	1320748	2	Cup, Tapered Roller	
4	1320754	2	Cone, Tapered Roller	

FIGURE 5-30. TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 1

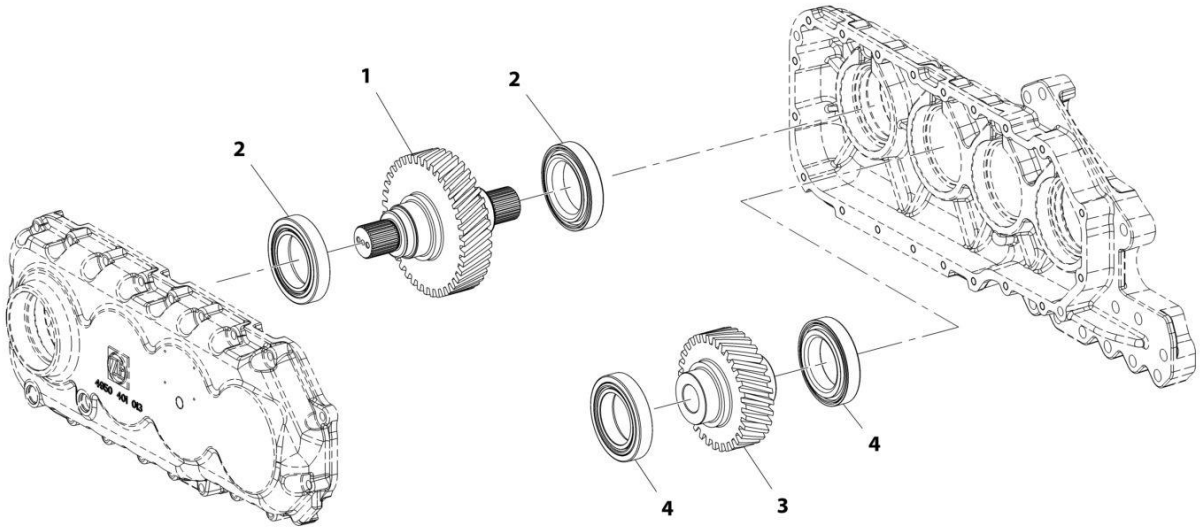
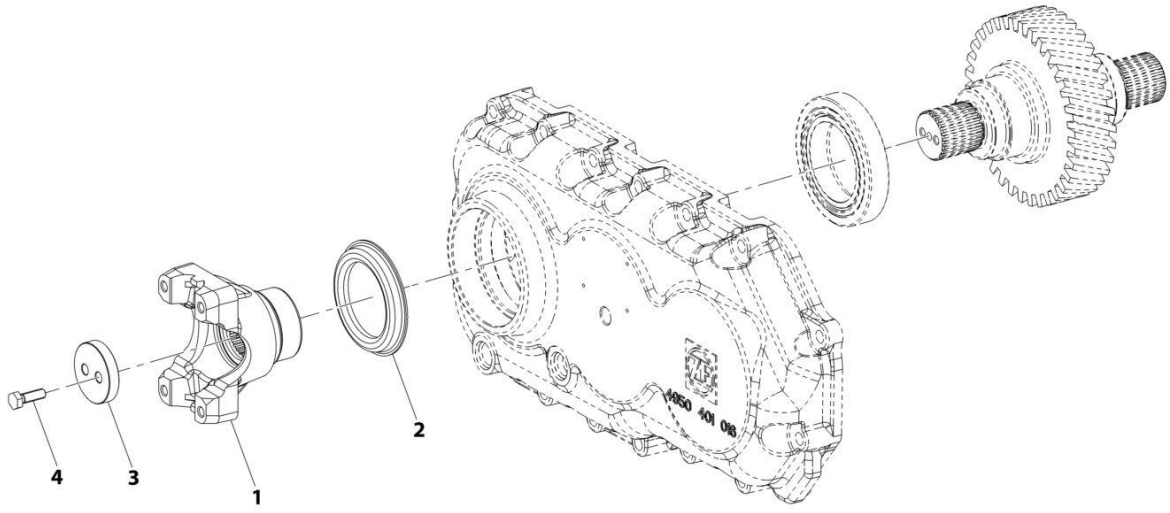


FIGURE 5-30. TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 1

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 1	C
1	7027271	1	Gear, Output	
2	7026769	2	Bearing, Roller	
3	7027272	1	Gear, Idler	
4	1320748	2	Cup, Tapered Roller	
4	1320754	2	Cone, Tapered Roller	

FIGURE 5-31. TRANMISSION, TRANSFER BOX HOUSING OUTPUT 2



ART_1001170171_30-C

FIGURE 5-31. TRANMISSION, TRANSFER BOX HOUSING OUTPUT 2

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170171	Ref	TRANSMISSION, TRANSFER BOX HOUSING OUTPUT 2	C
1	7027273	2	Flange (one per side)	
2	1319647	2	Sheet, Screen (one per side)	
3	1319648	2	Washer, (one per side)	
4	10731959	4	Bolt, M8X25 (two per side)	

FIGURE 5-32. DRIVE SHAFTS INSTALLATION

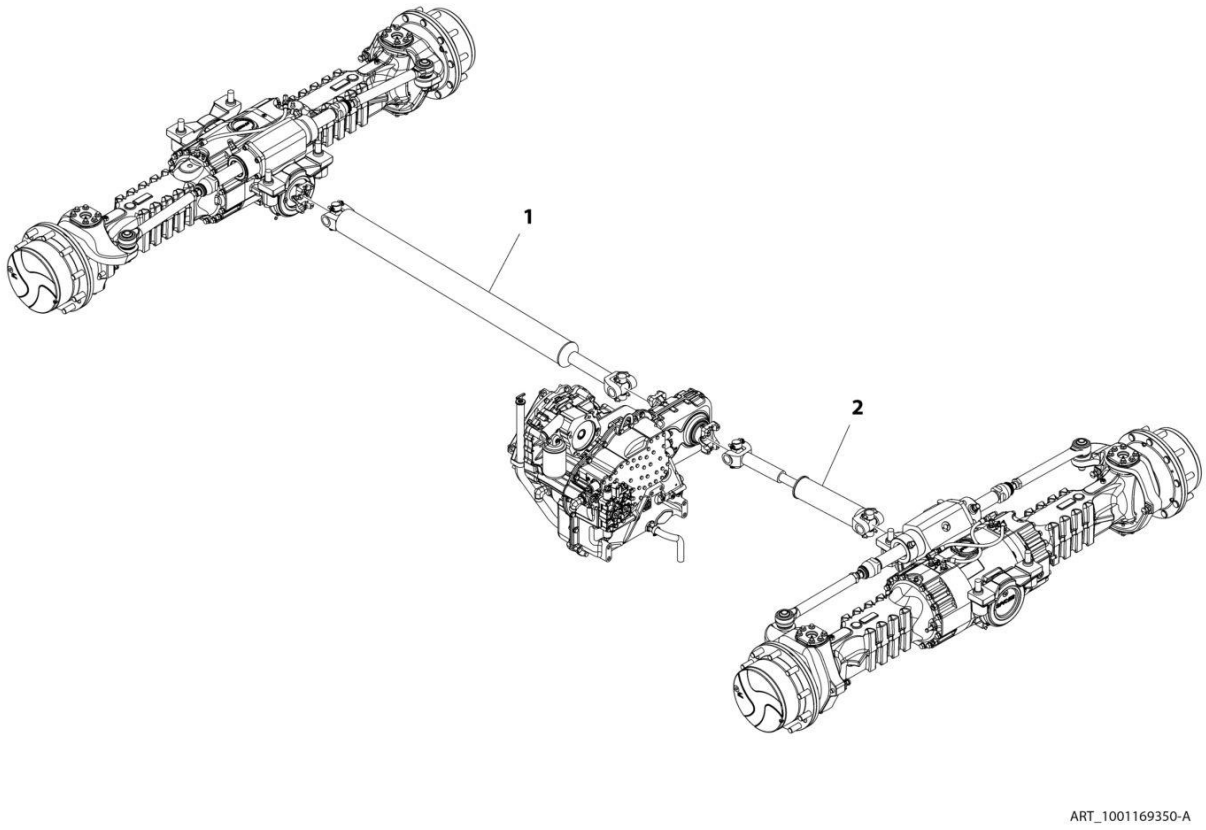


FIGURE 5-32. DRIVE SHAFTS INSTALLATION

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 5-33. FRONT DRIVE SHAFT INSTALLATION

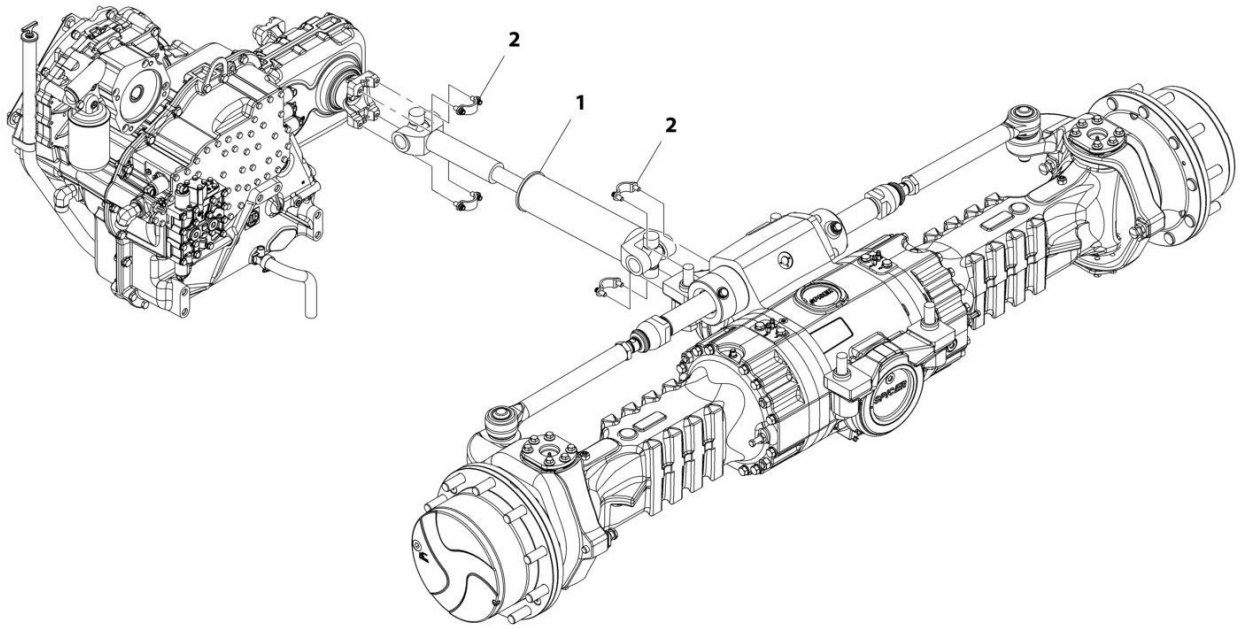


FIGURE 5-33. FRONT DRIVE SHAFT INSTALLATION

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 5-34. FRONT DRIVE SHAFT ASSEMBLY

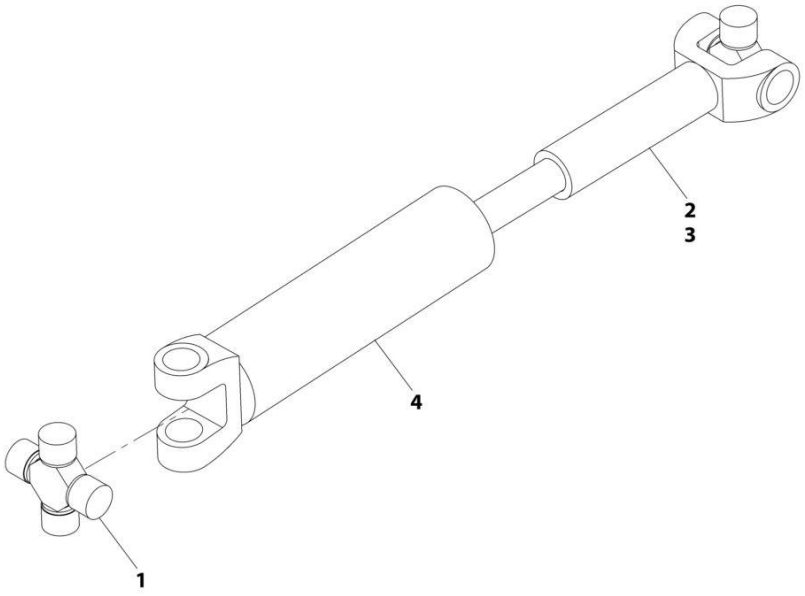


FIGURE 5-34. FRONT DRIVE SHAFT ASSEMBLY

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 5-35. REAR DRIVE SHAFT INSTALLATION

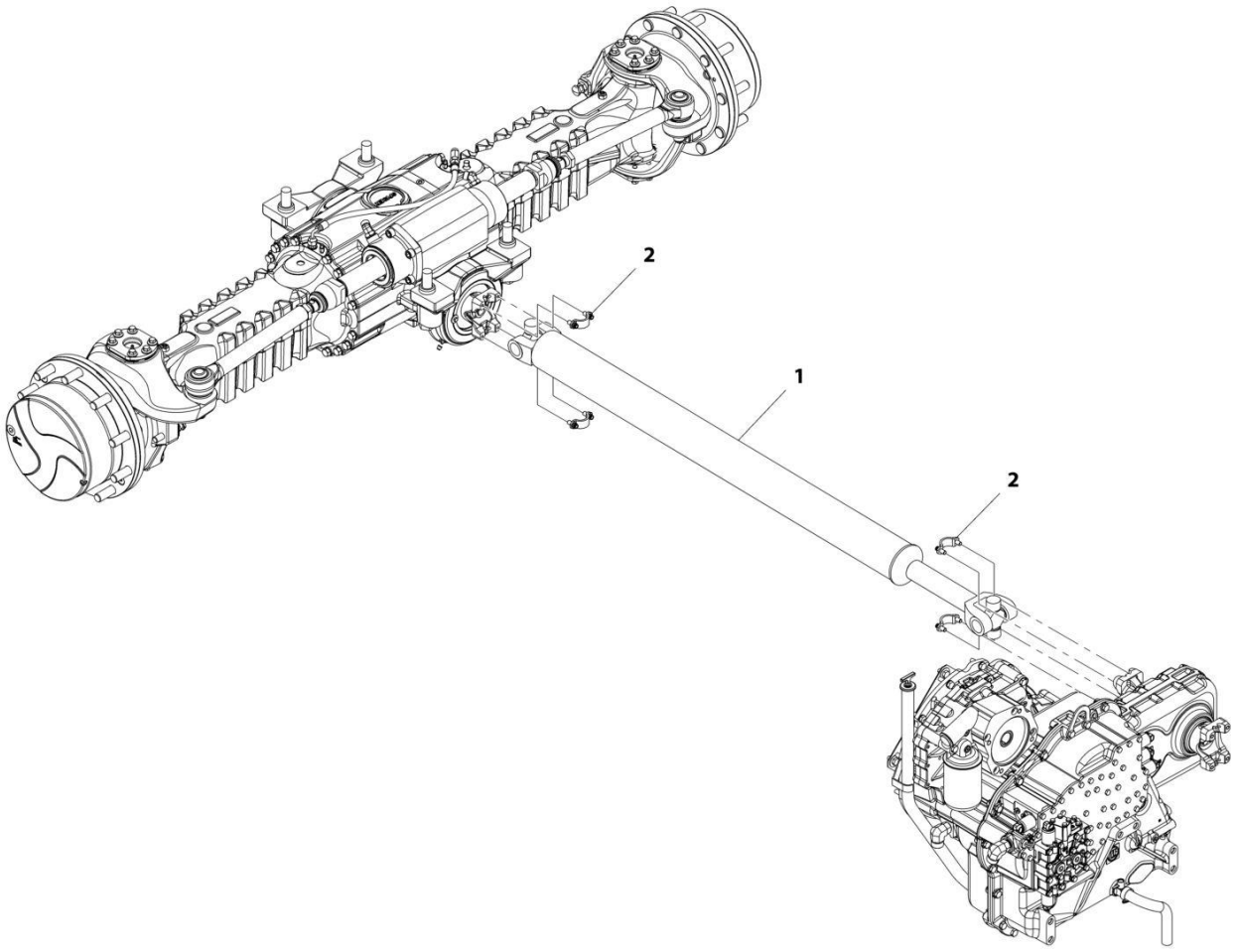


FIGURE 5-35. REAR DRIVE SHAFT INSTALLATION

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 5-36. DRIVETRAIN INSTALLATION

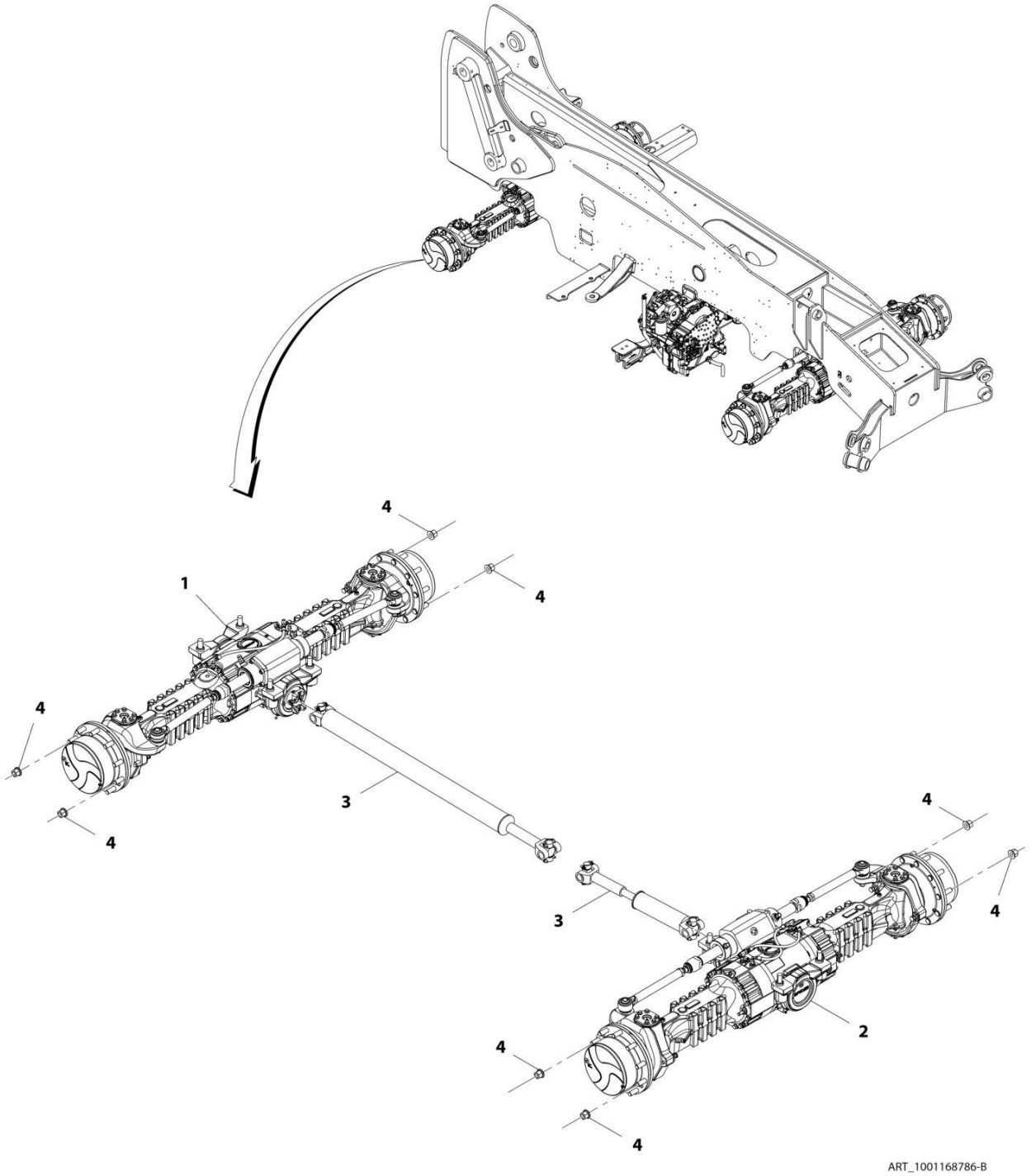


FIGURE 5-36. DRIVETRAIN INSTALLATION

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 5-37. FRONT AXLE INSTALLATION

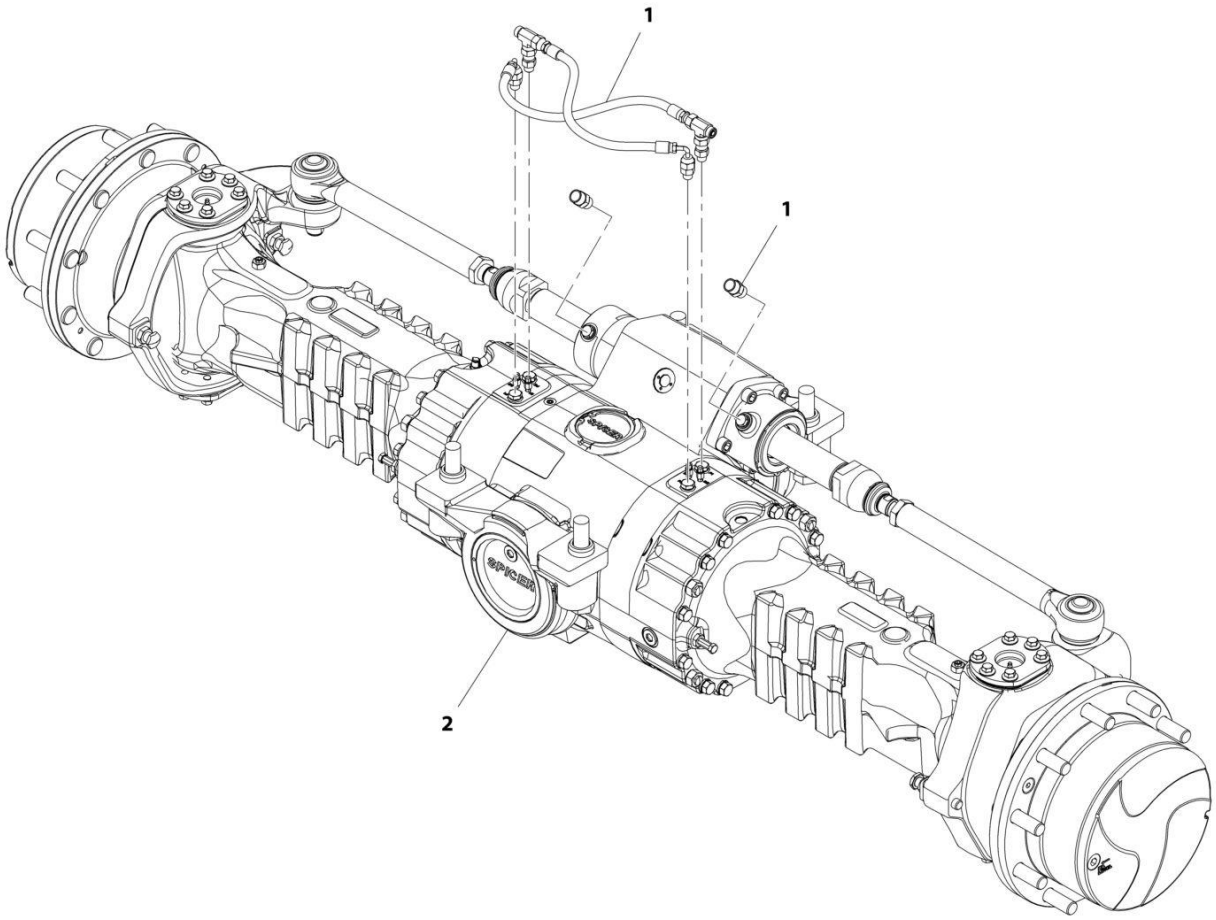


FIGURE 5-37. FRONT AXLE INSTALLATION

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

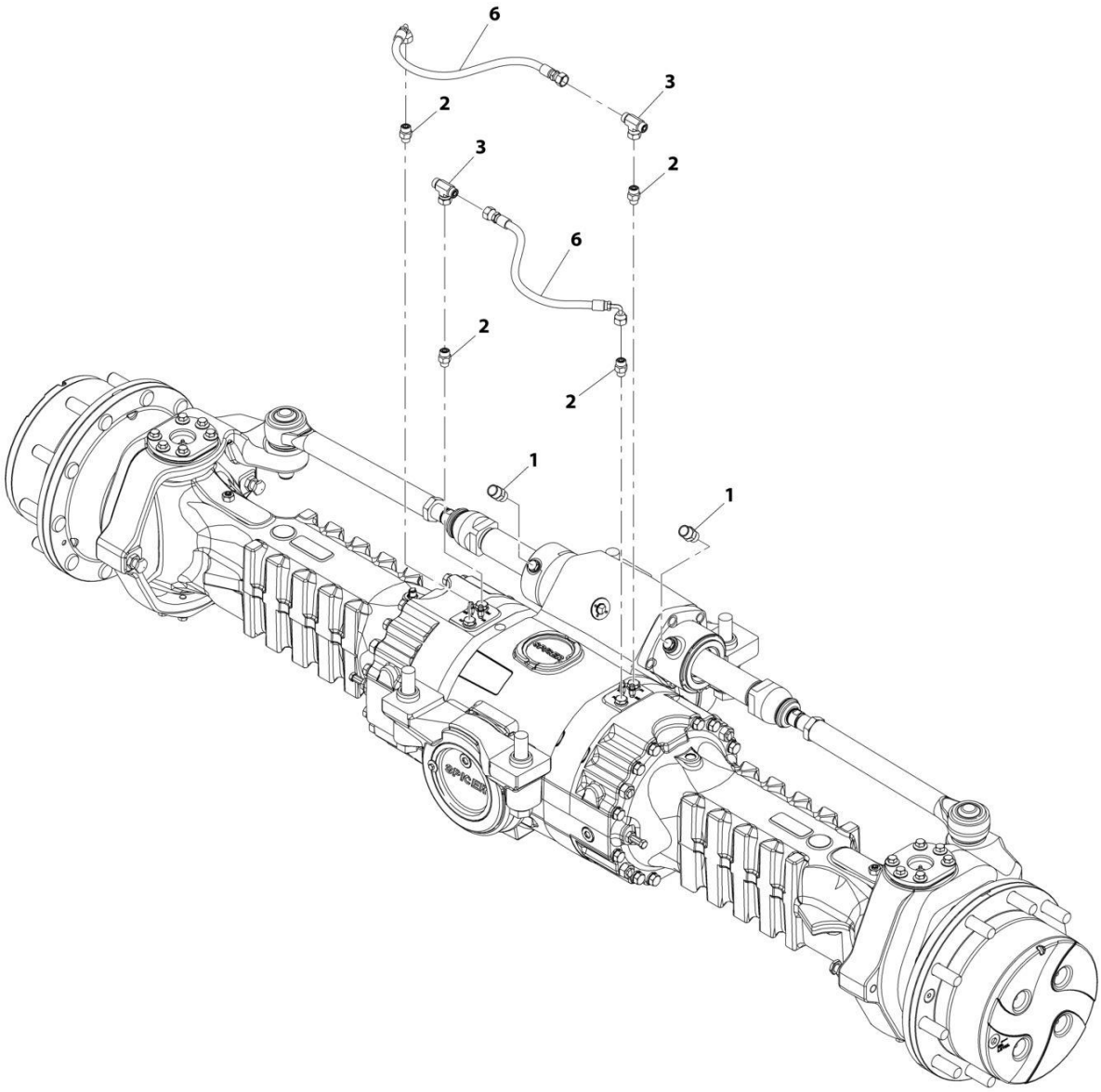


FIGURE 5-38. FRONT AXLE LINES INSTALLATION

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

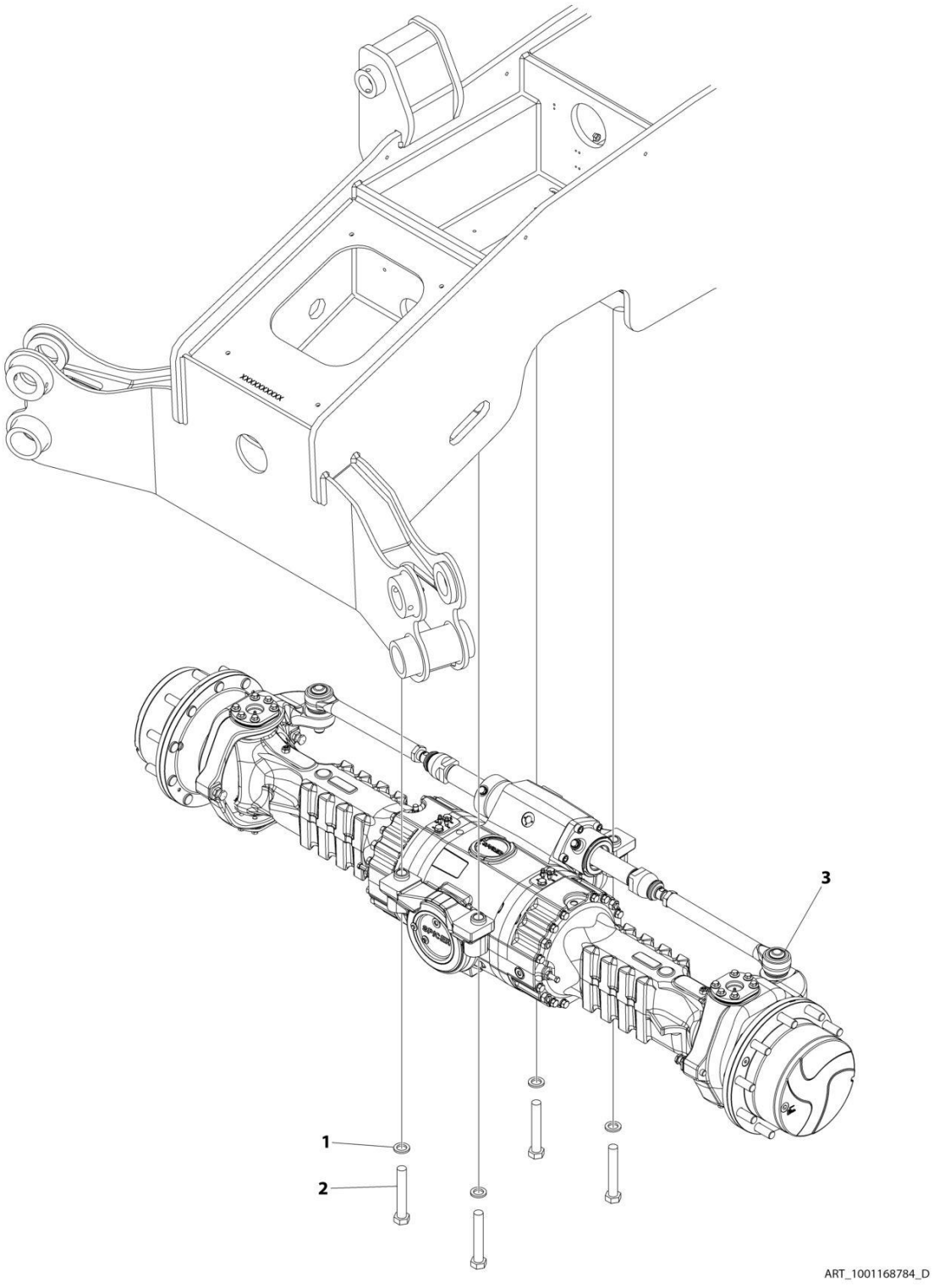
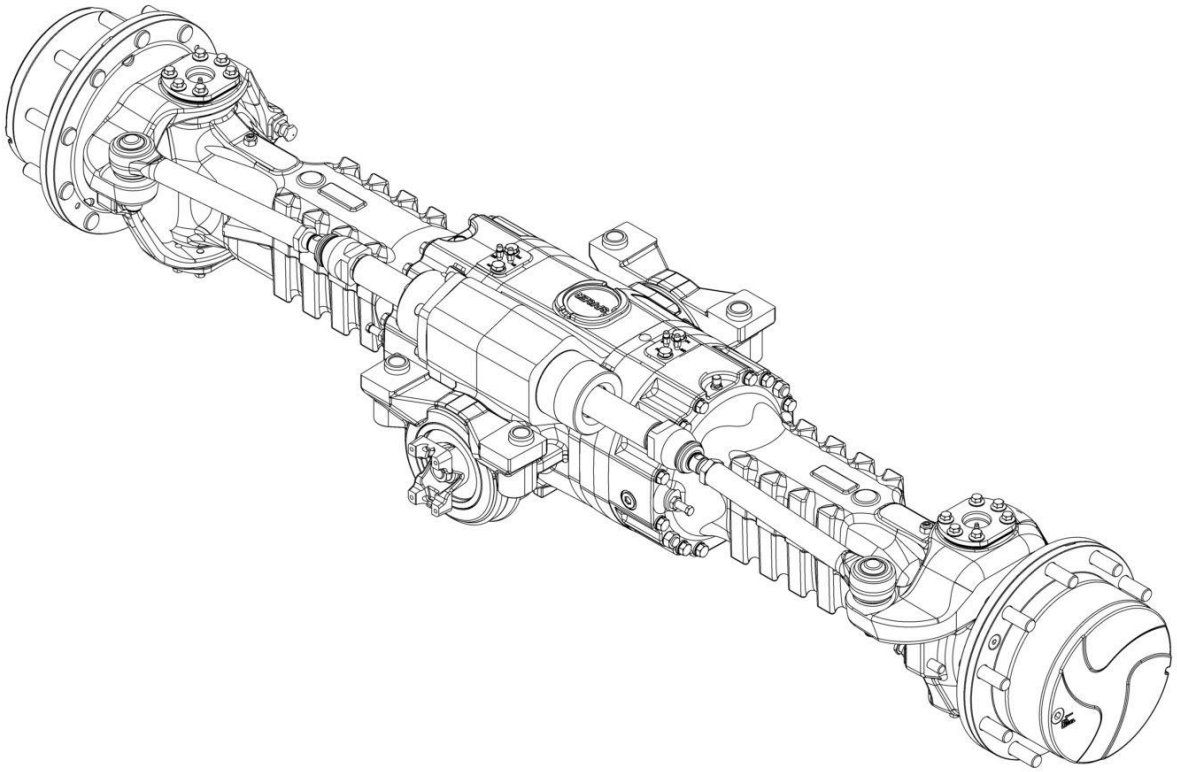


FIGURE 5-39. FRONT AXLE MOUNTING INSTALLATION

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 5-40. FRONT AXLE



ART_1001165831_I

FIGURE 5-40. FRONT AXLE

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 5-41. FRONT AXLE, BRAKES

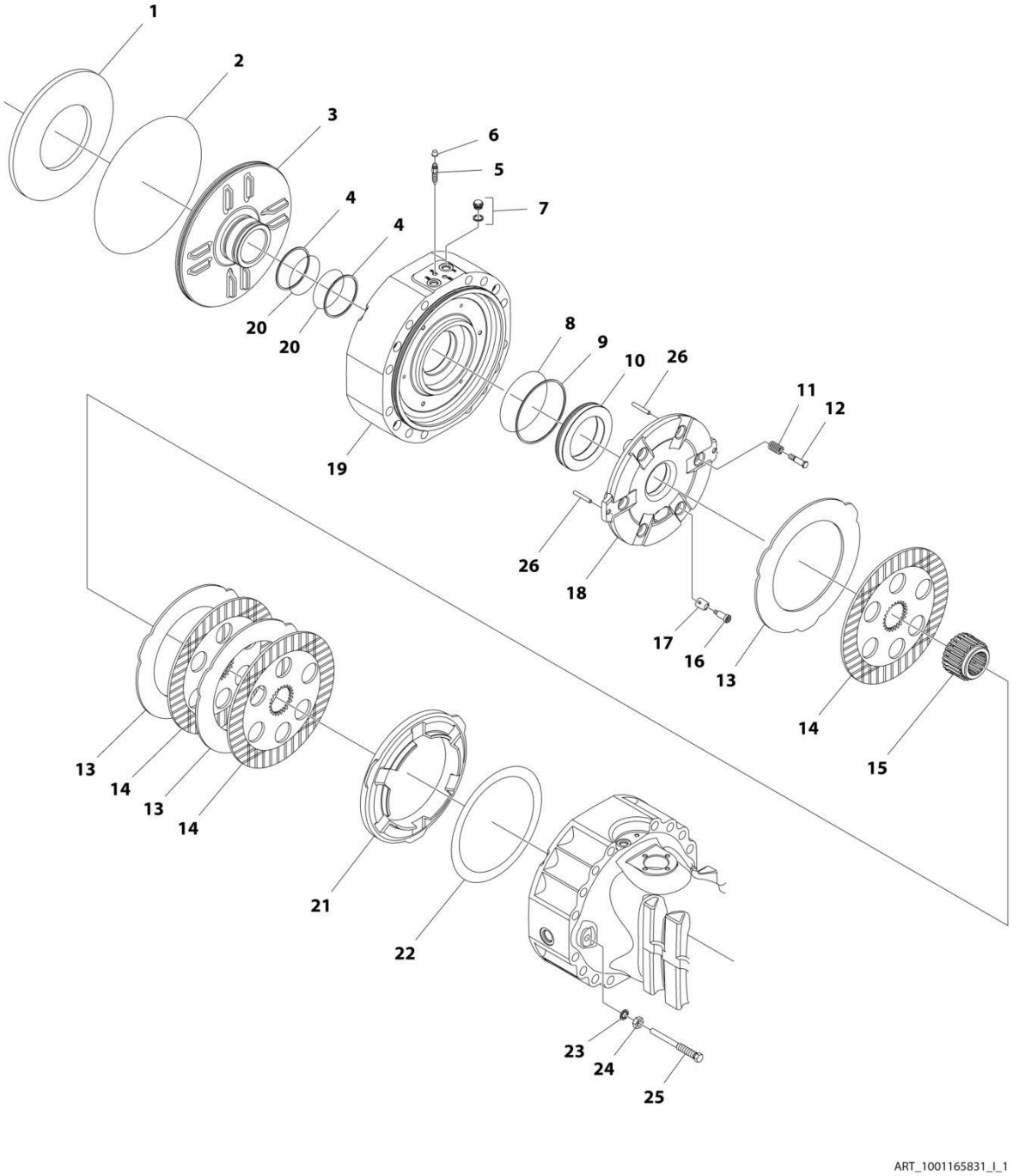


FIGURE 5-41. FRONT AXLE, BRAKES

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 5-42. FRONT AXLE, CENTRAL HOUSING

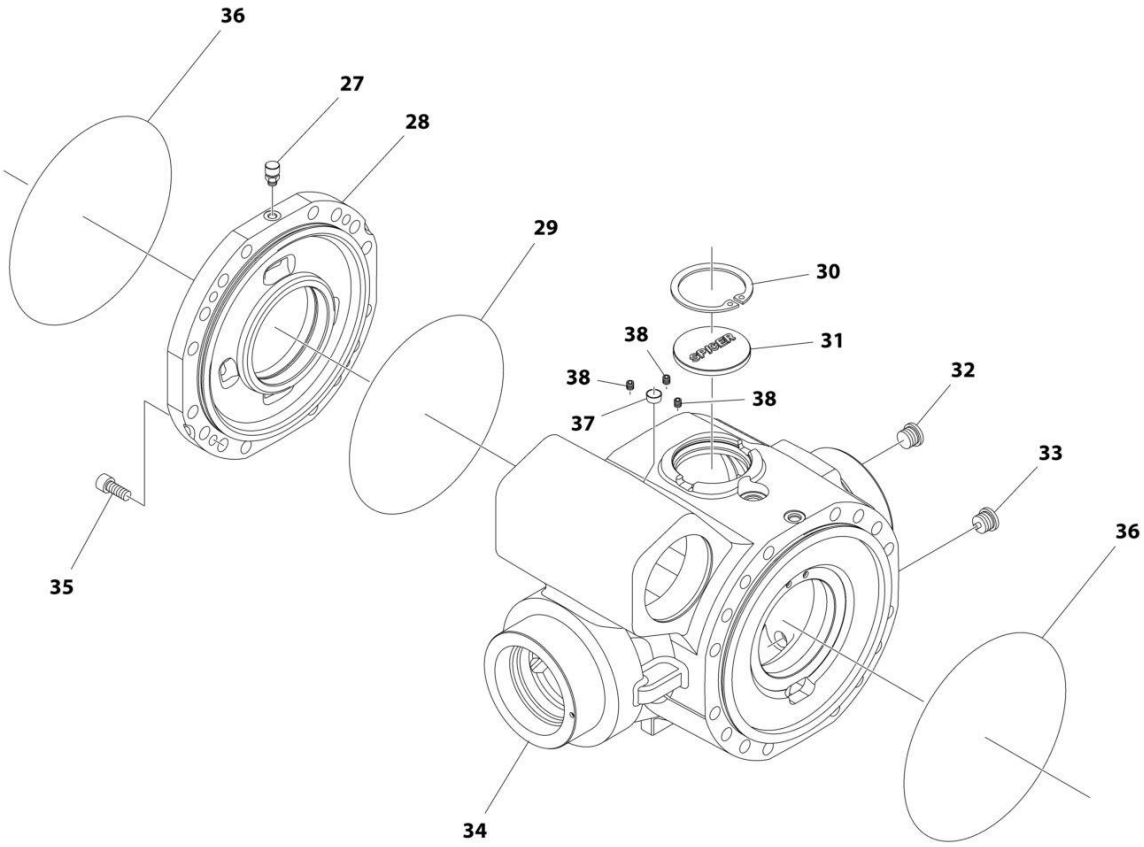


FIGURE 5-42. FRONT AXLE, CENTRAL HOUSING

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 5-43. FRONT AXLE, DIFFERENTIAL

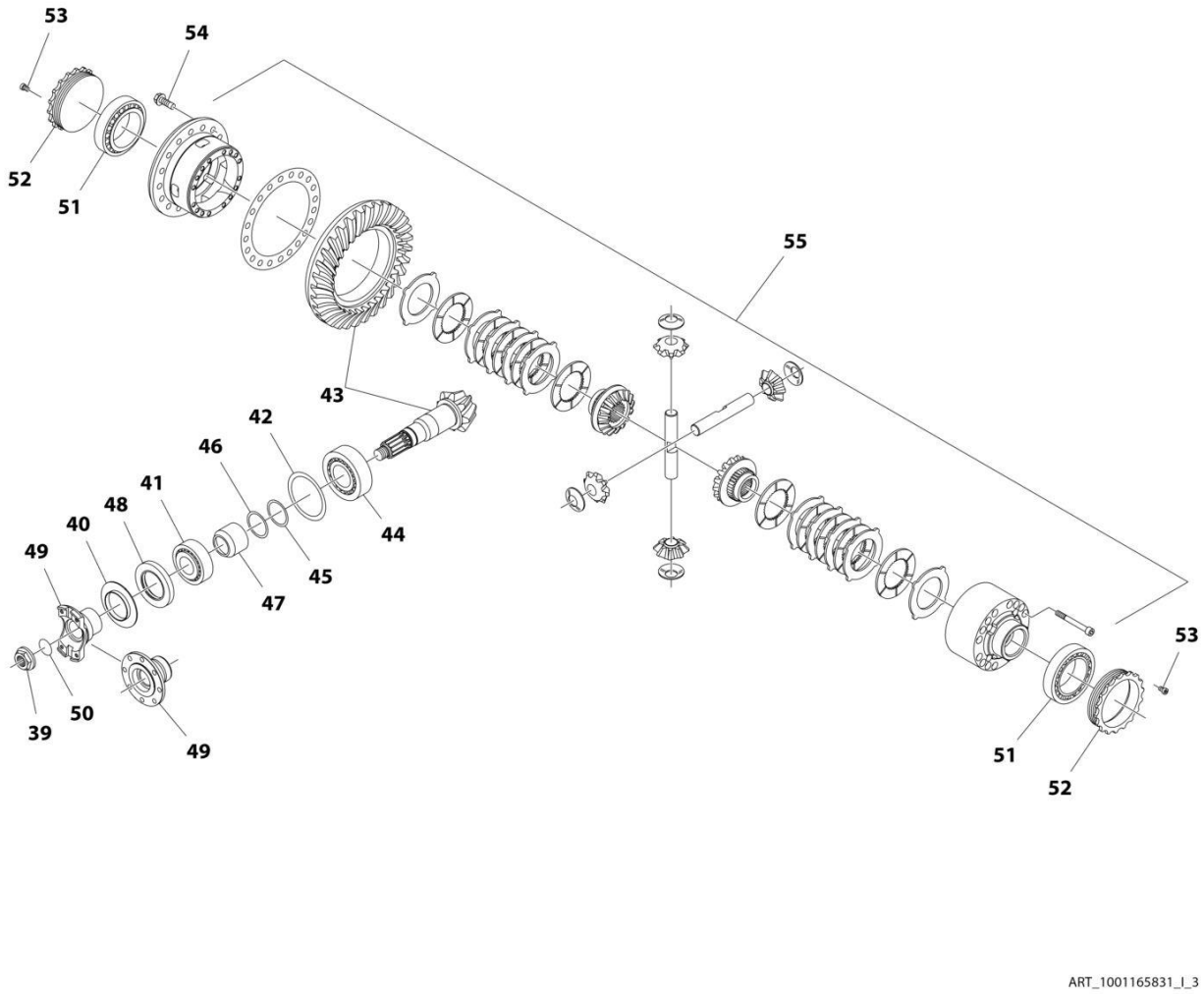


FIGURE 5-43. FRONT AXLE, DIFFERENTIAL

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 5-44. FRONT AXLE, HUB REDUCTION

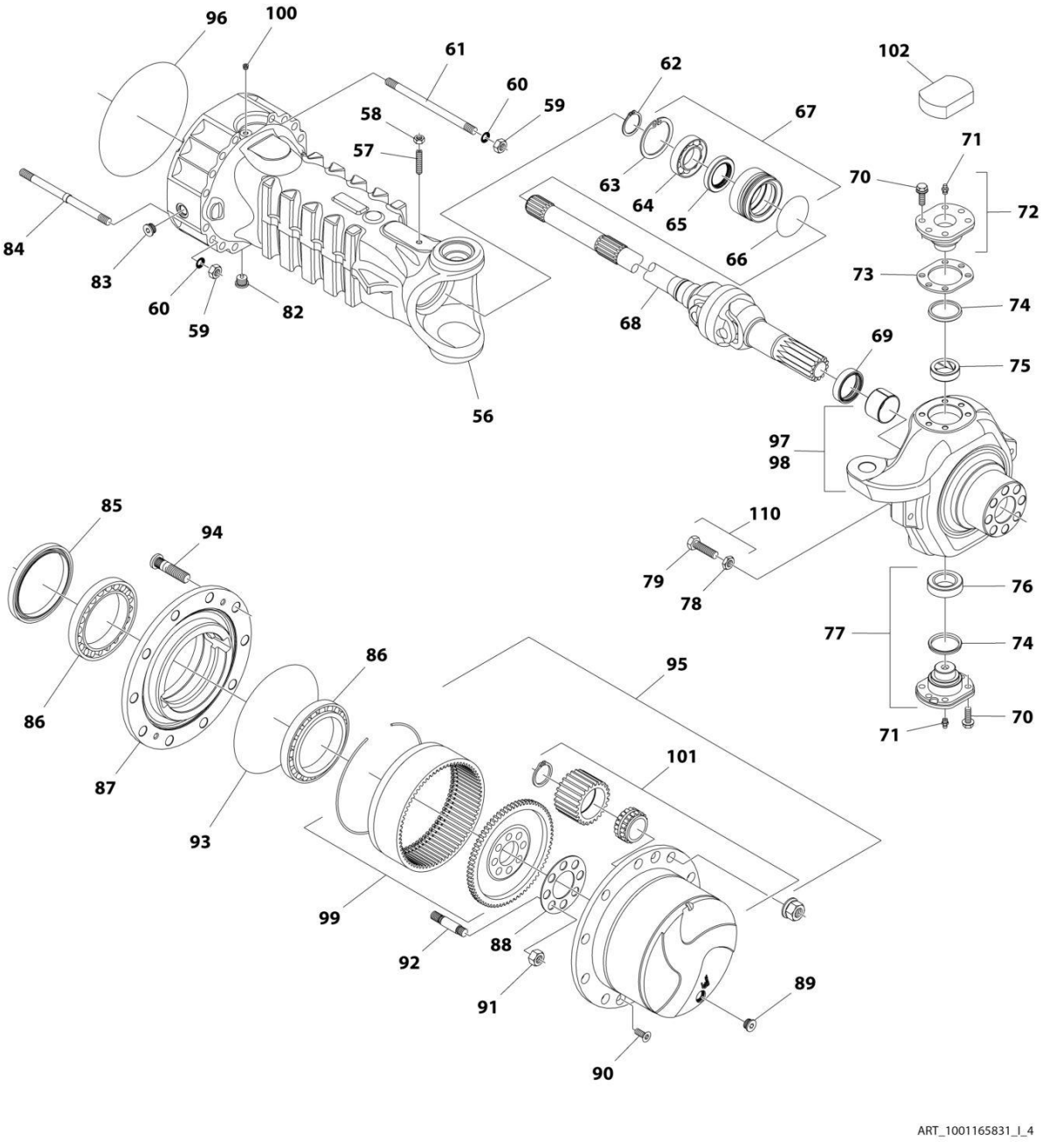


FIGURE 5-44. FRONT AXLE, HUB REDUCTION

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 5-45. FRONT AXLE, STEERING

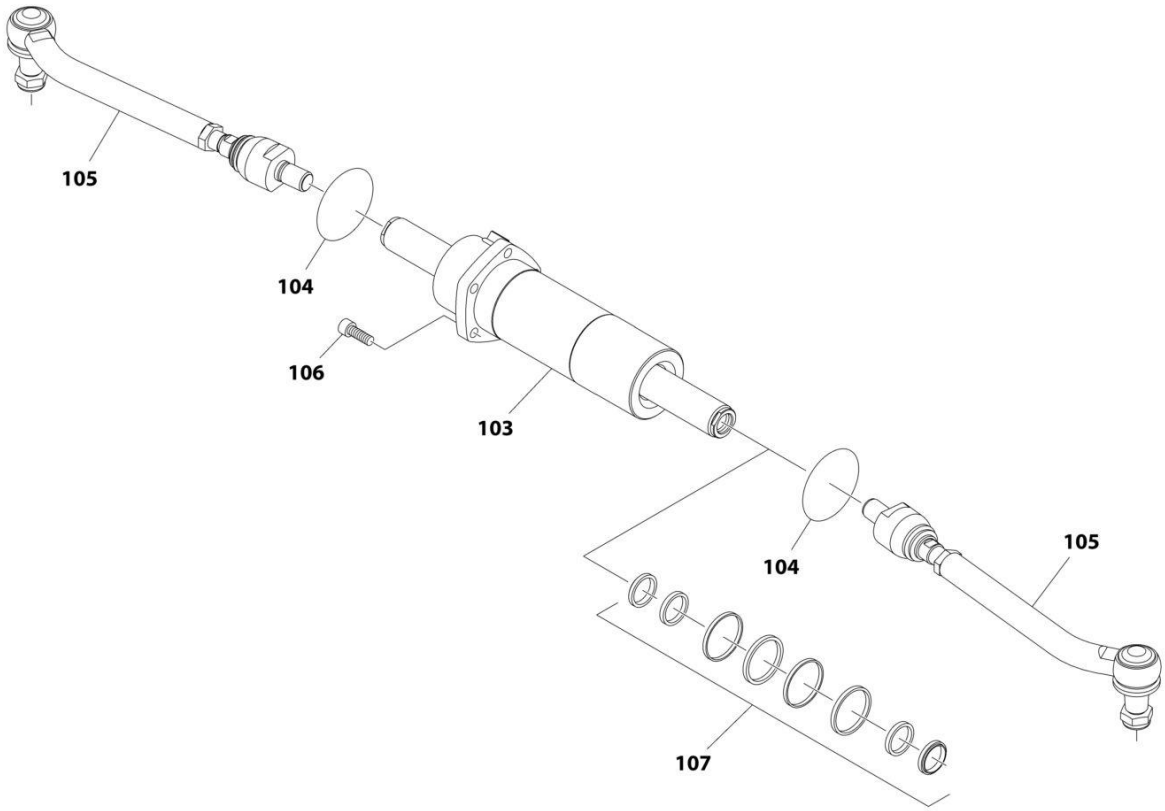


FIGURE 5-45. FRONT AXLE, STEERING

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 5-46. FRONT AXLE, TRUNION

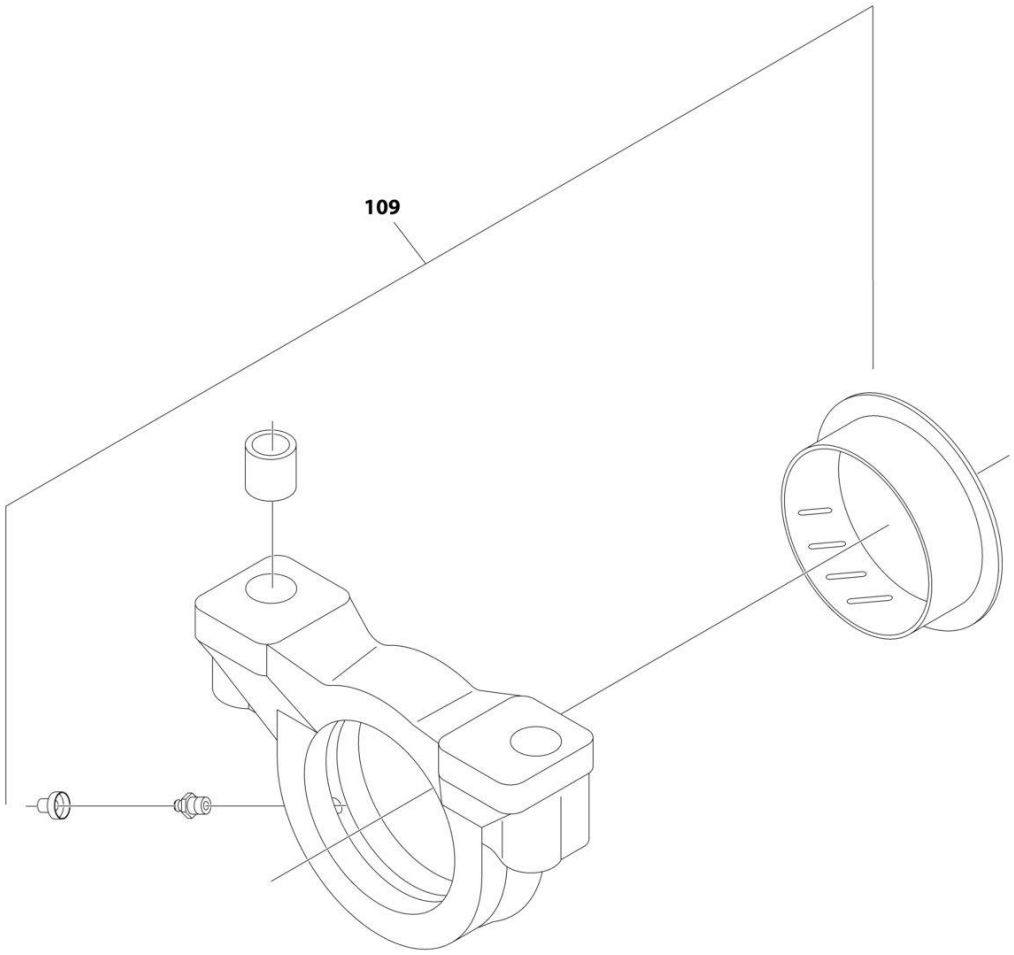


FIGURE 5-46. FRONT AXLE, TRUNION

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

FIGURE 5-47. FRONT AXLE, DIFFERENTIAL KIT

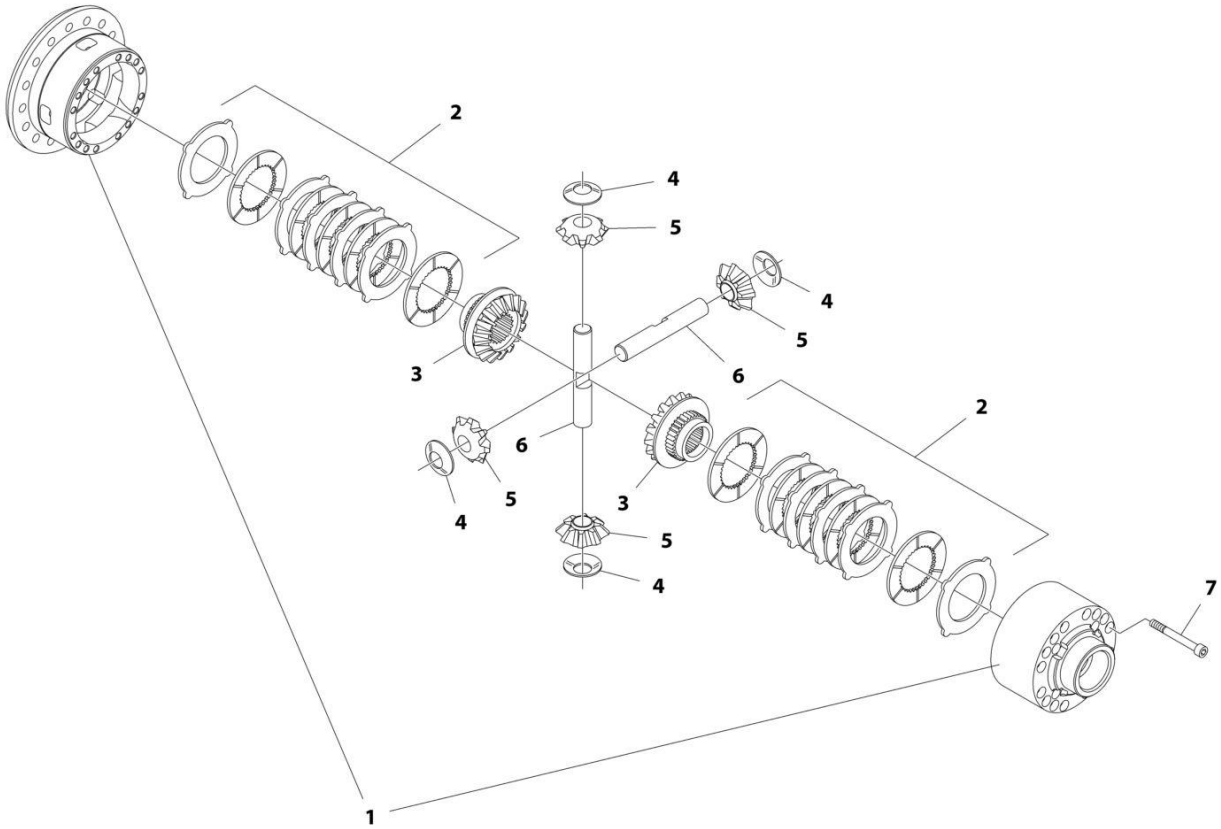


FIGURE 5-47. FRONT AXLE, DIFFERENTIAL KIT

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 5-48. FRONT AXLE, PLANET GEAR CARRIER

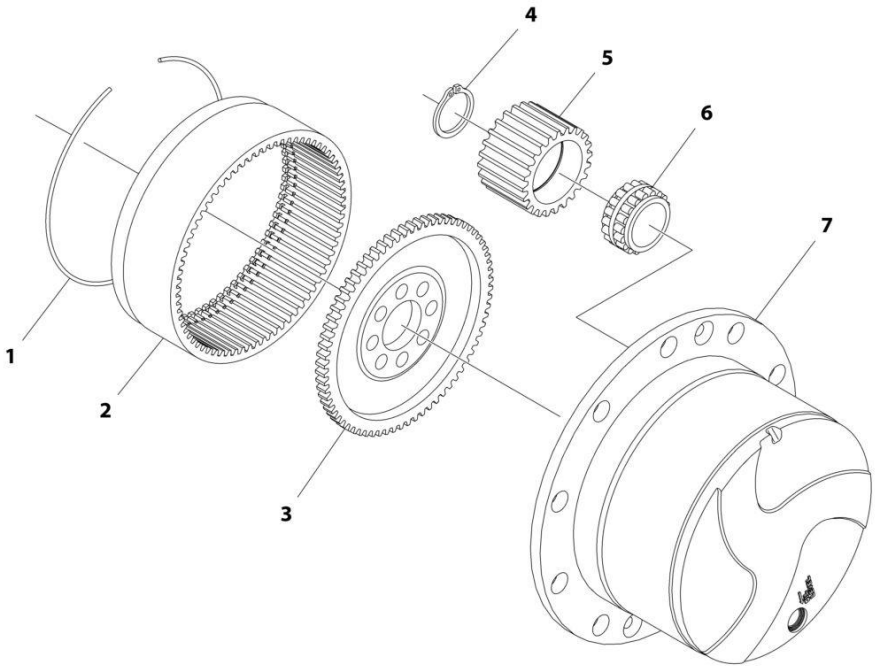


FIGURE 5-48. FRONT AXLE, PLANET GEAR CARRIER

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 5-49. FRONT AXLE, RING GEAR SUPPORT

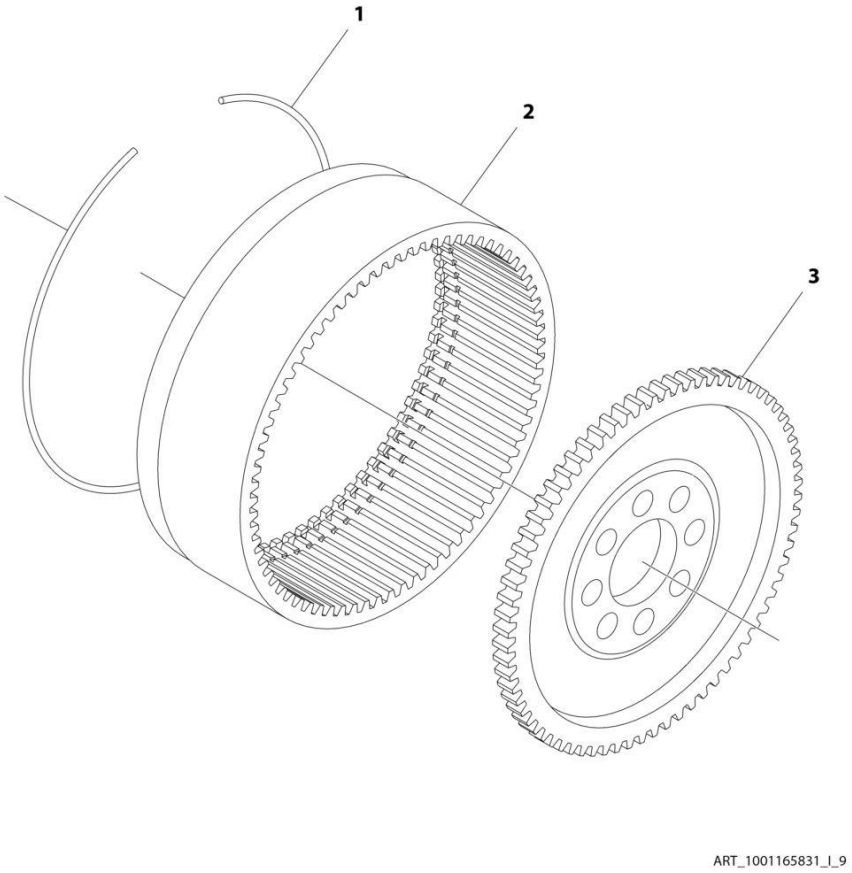


FIGURE 5-49. FRONT AXLE, RING GEAR SUPPORT

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 5-50. FRONT AXLE, PLANET GEAR CARRIER

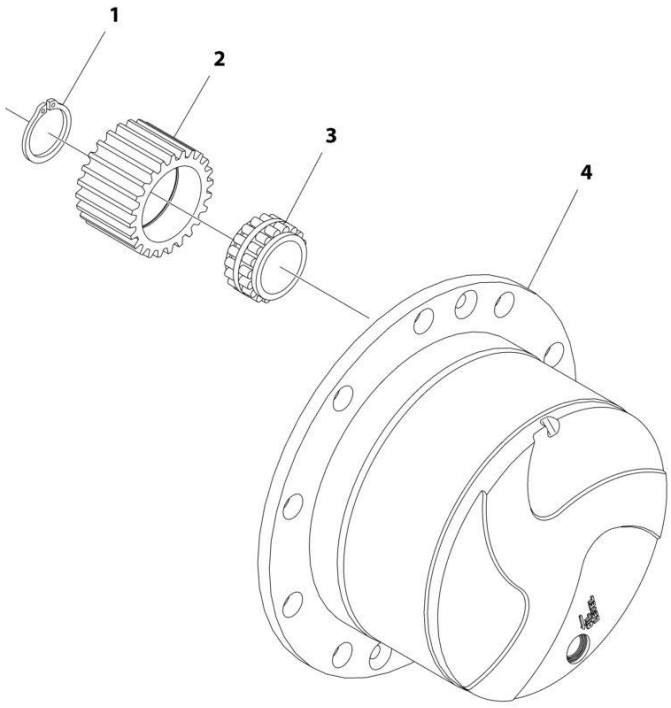


FIGURE 5-50. FRONT AXLE, PLANET GEAR CARRIER

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 5-51. FRONT AXLE, SUPPORT

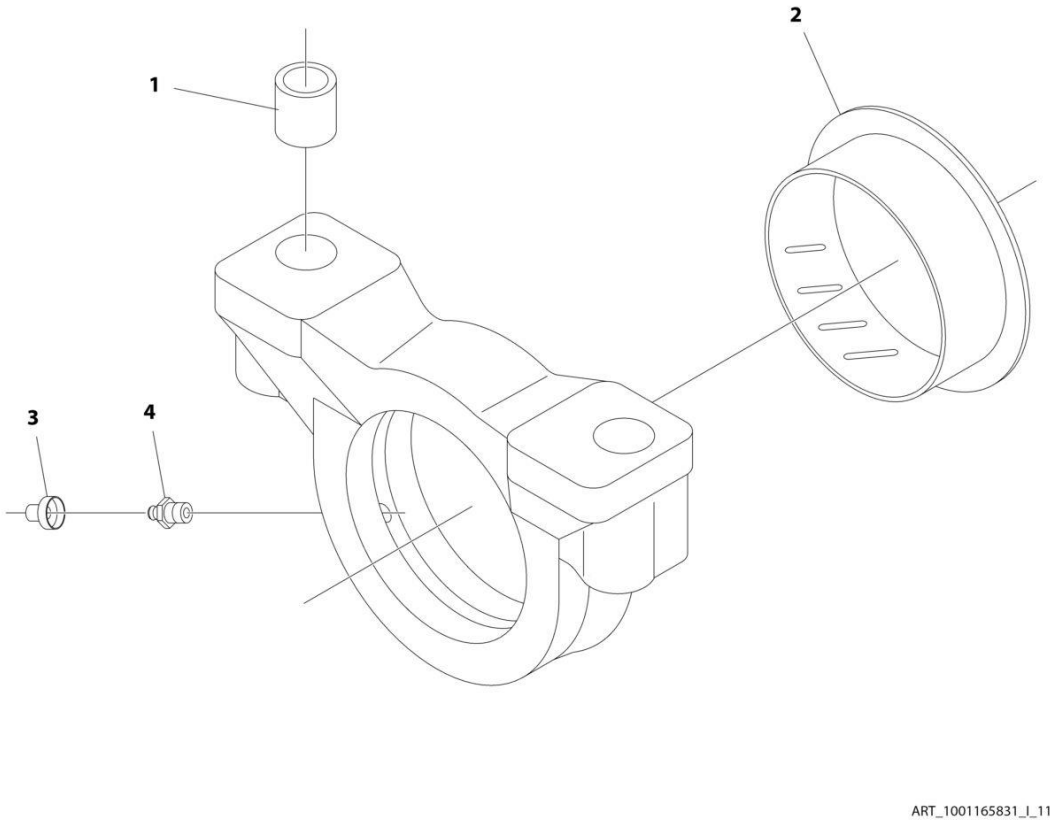


FIGURE 5-51. FRONT AXLE, SUPPORT

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 5-52. REAR AXLE INSTALLATION

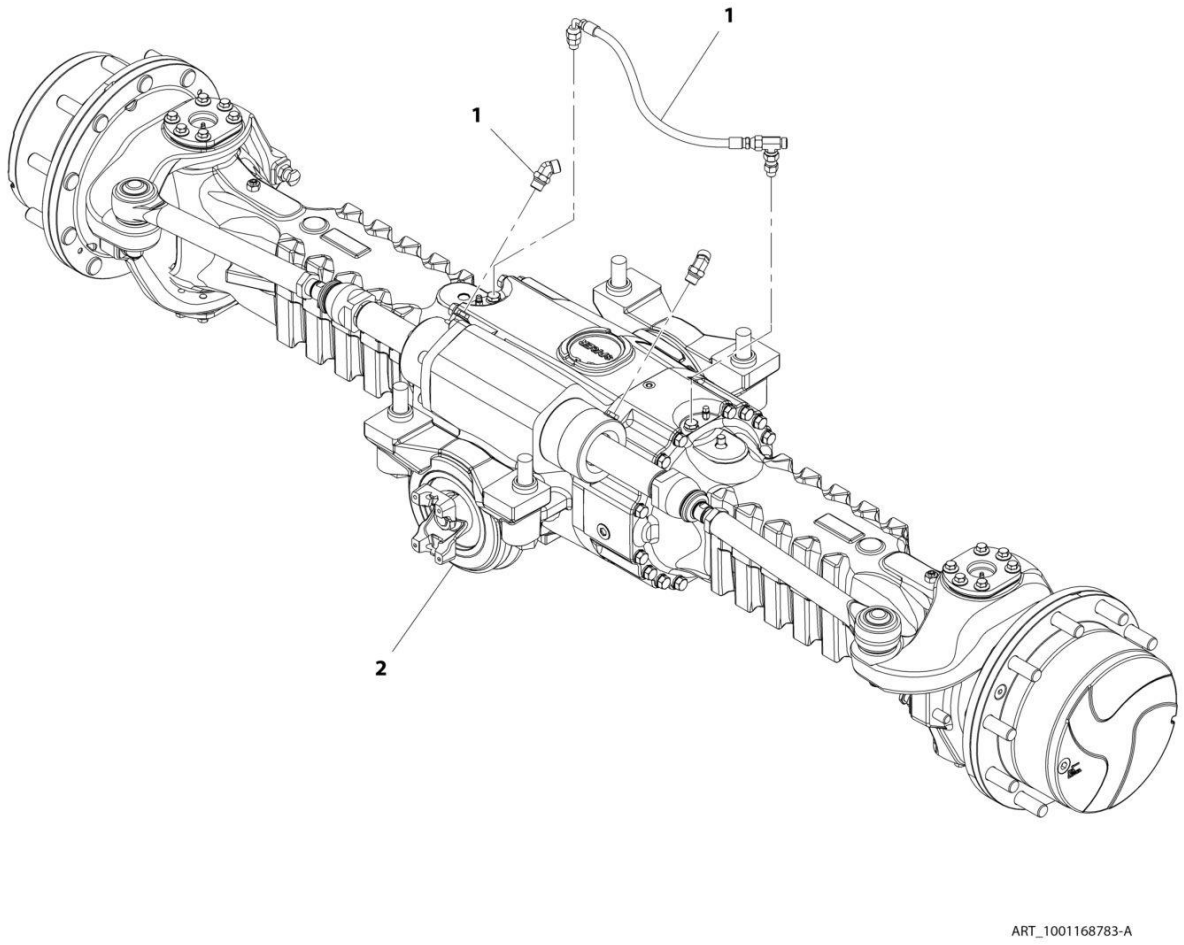


FIGURE 5-52. REAR AXLE INSTALLATION

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 5-53. REAR AXLE LINES INSTALLATION

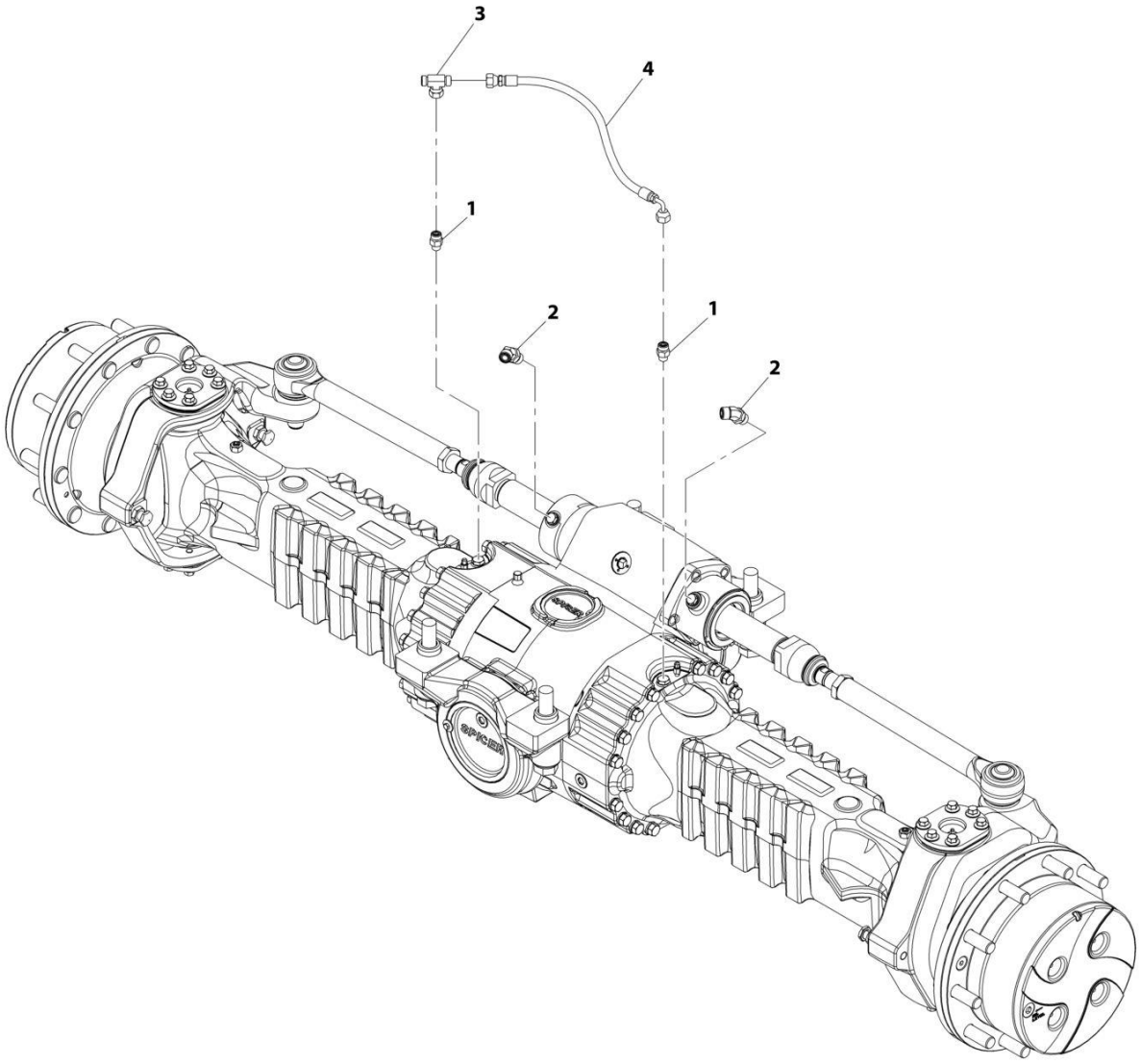


FIGURE 5-53. REAR AXLE LINES INSTALLATION

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 5-54. REAR AXLE MOUNTING INSTALLATION

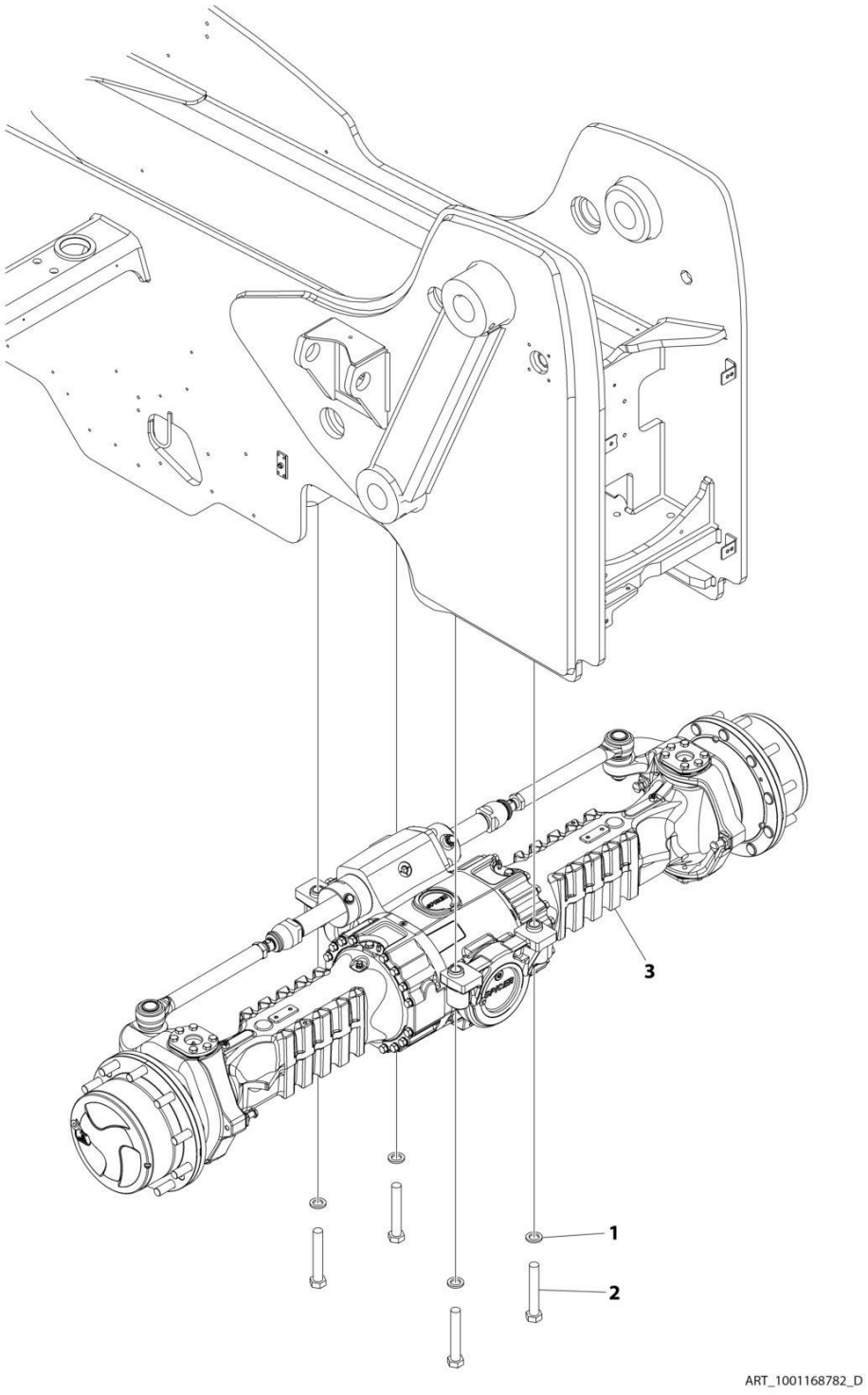
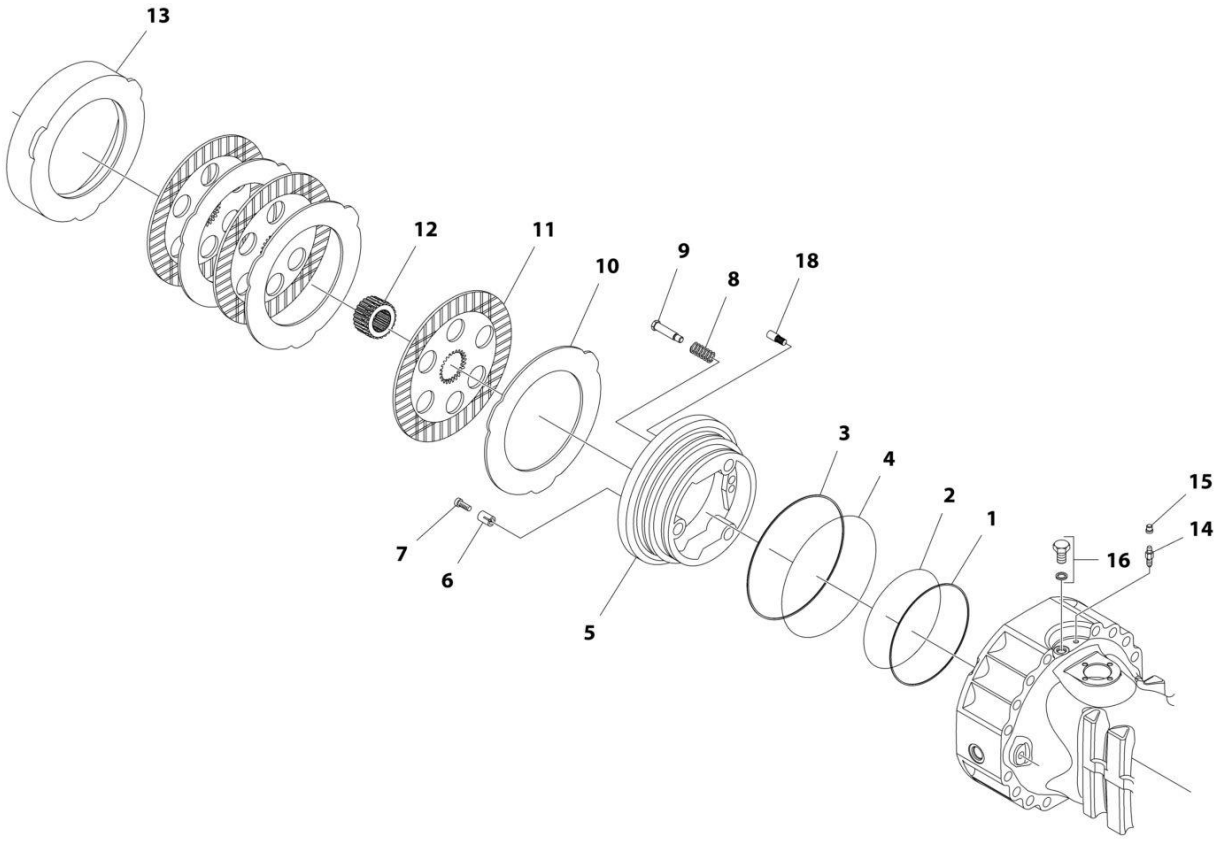
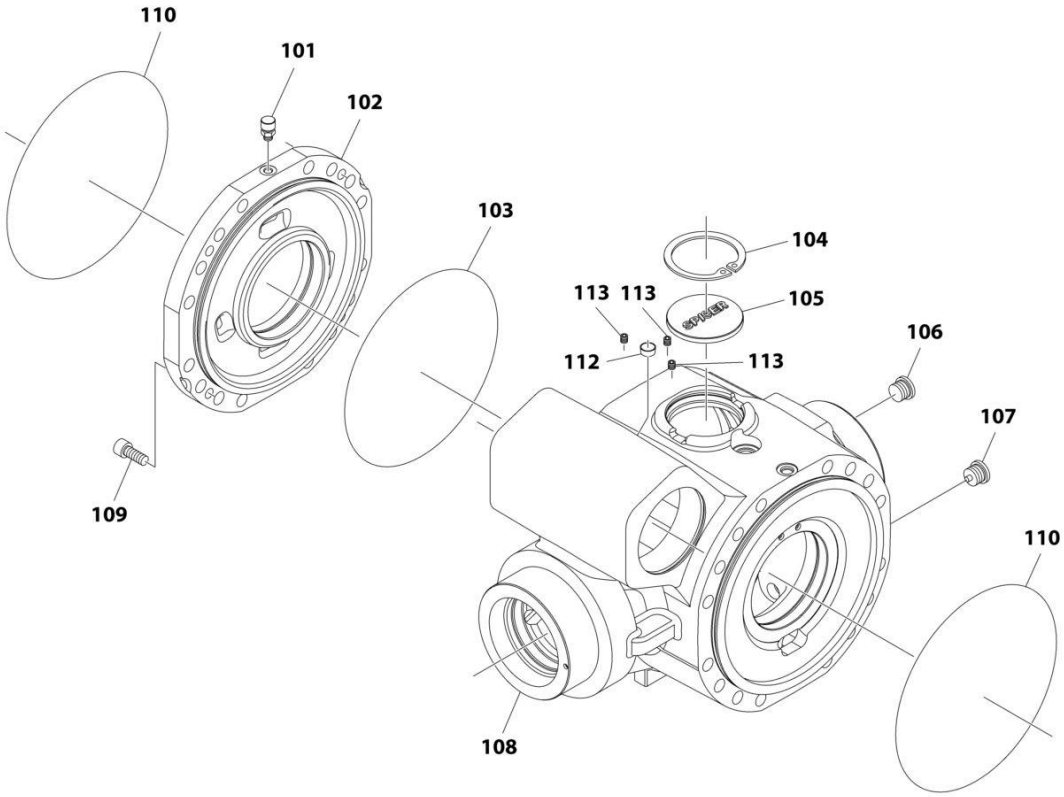


FIGURE 5-54. REAR AXLE MOUNTING INSTALLATION

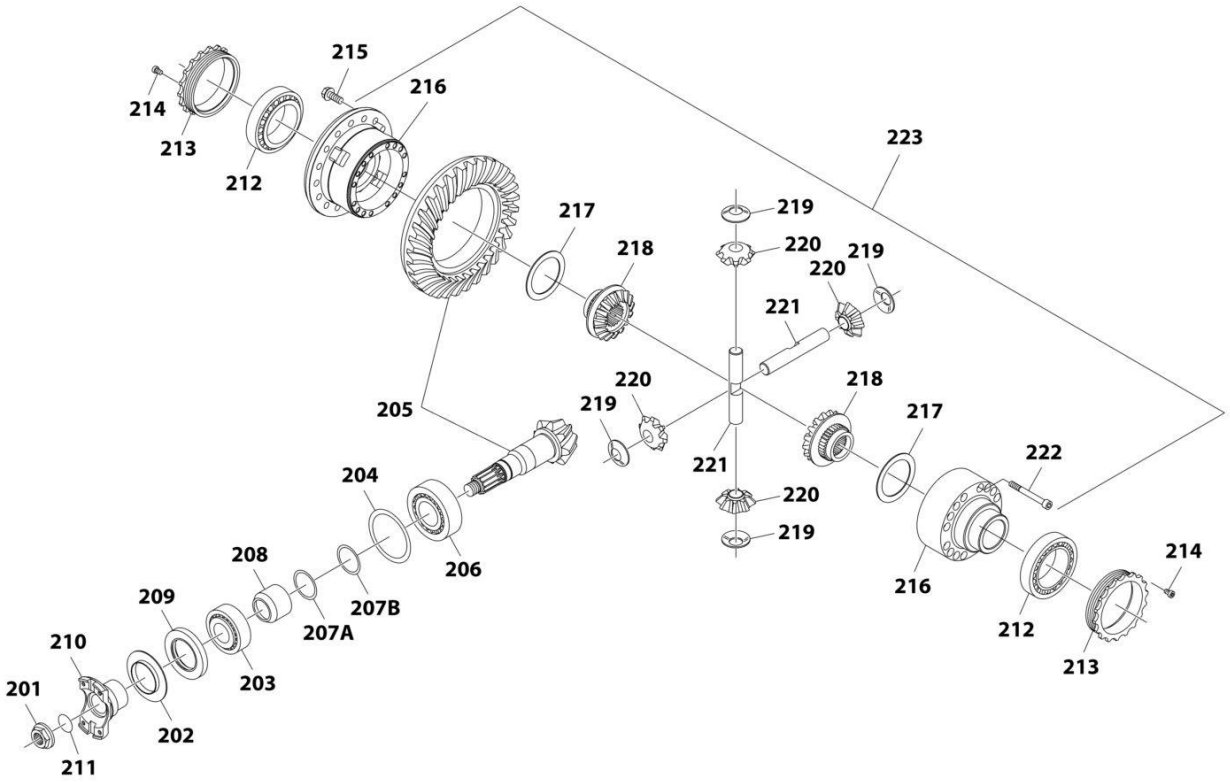
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168782	Ref	Rear Axle Mounting Installation	D
1	4892600	4	Washer	
2	1001097587	4	Bolt, M24X150	
3	1001262336	1	Axle, Rear (See Separate Breakdown in this Section)	

FIGURE 5-55. REAR AXLE

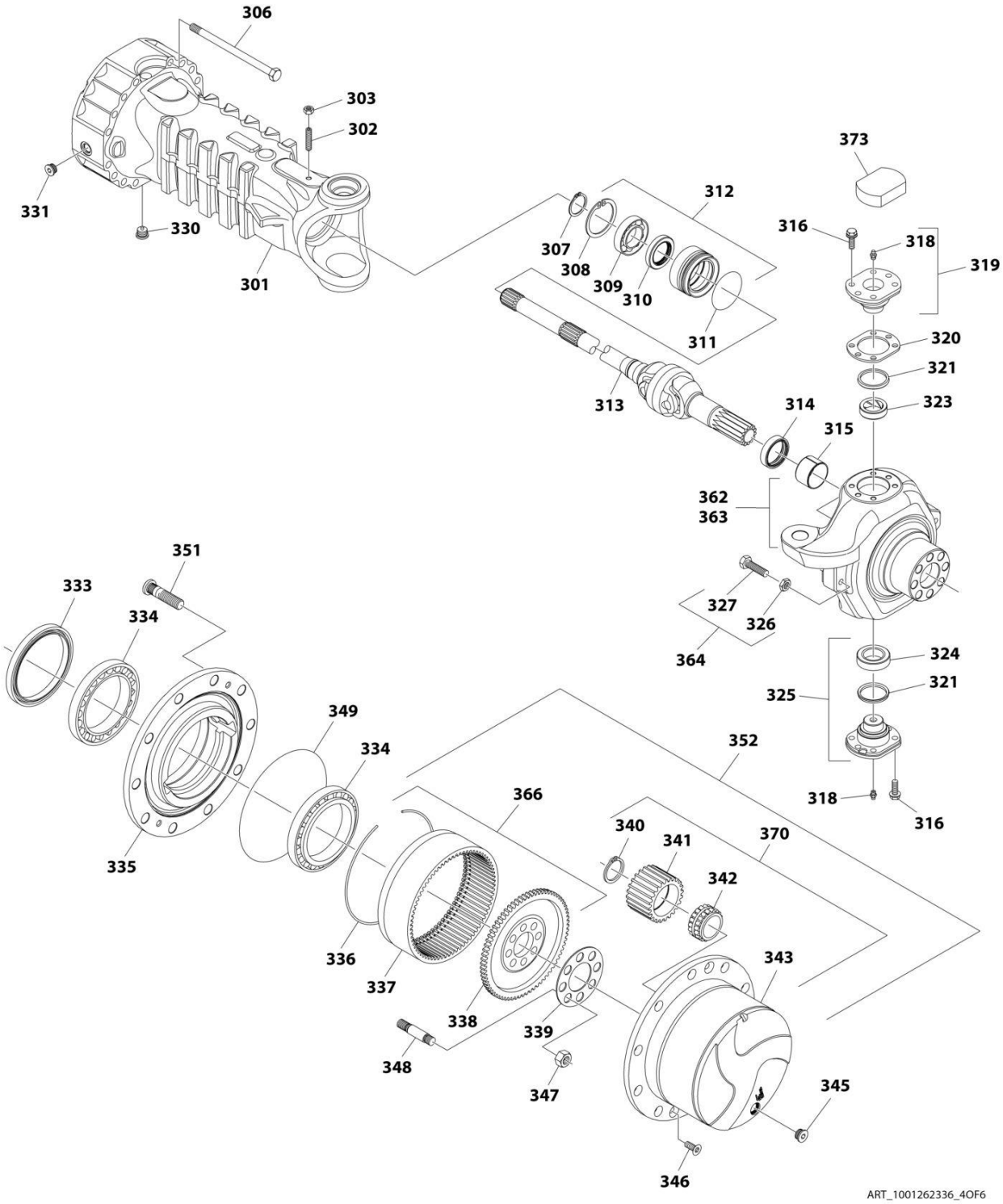


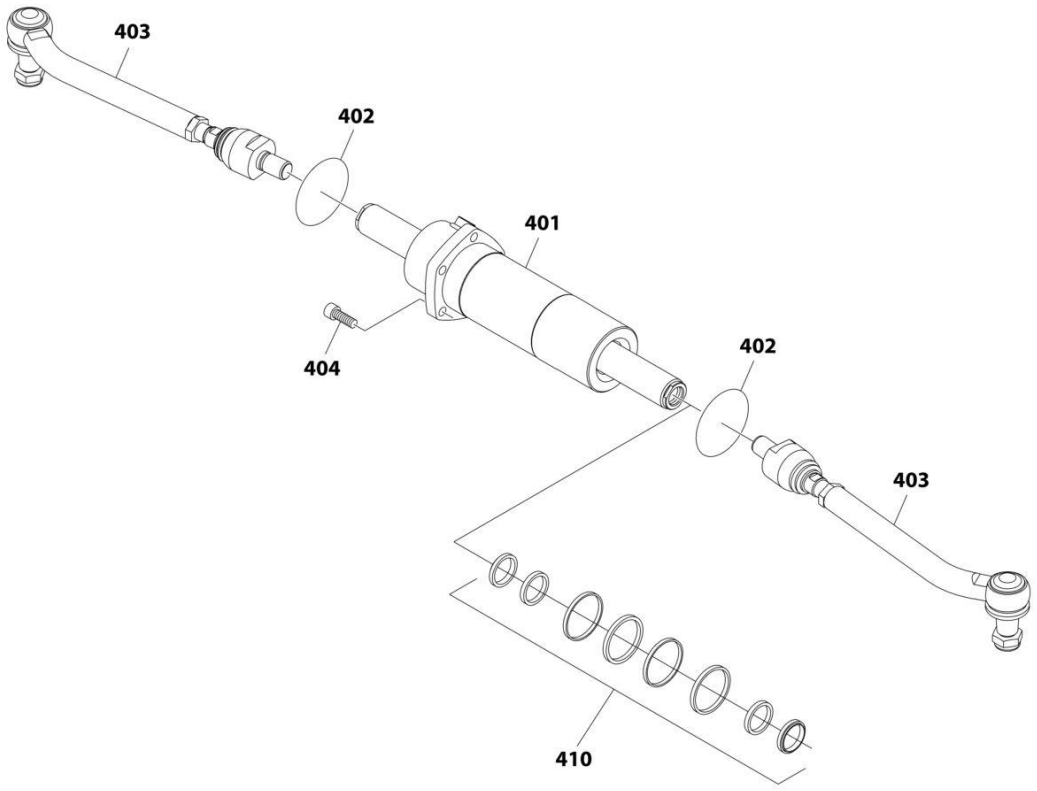


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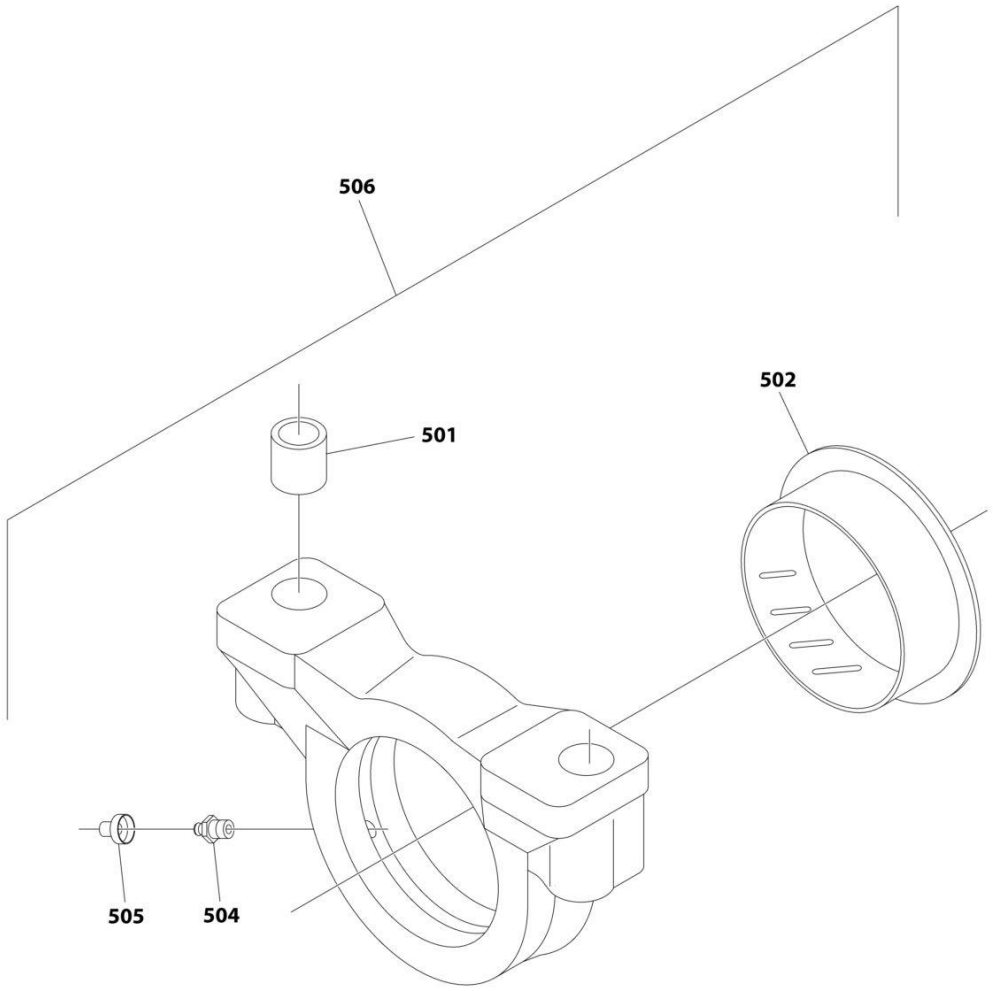


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ART_1001262336_6OF6

FIGURE 5-55. REAR AXLE

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 5-56. LSI AXLE SENSOR INSTALLATION

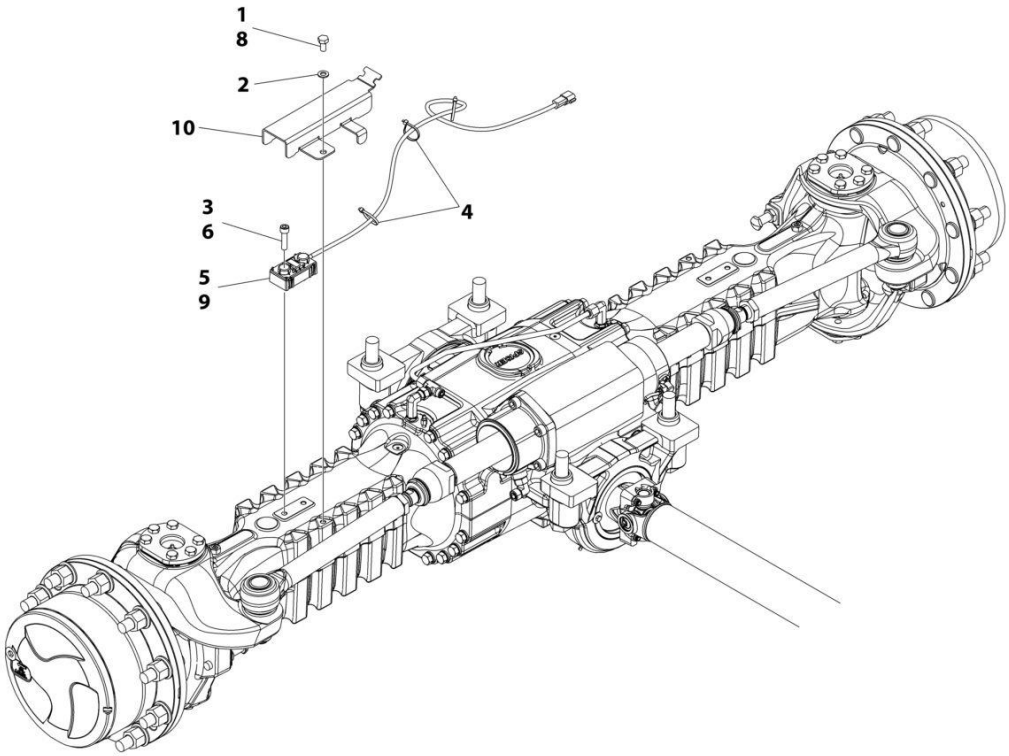


FIGURE 5-56. LSI AXLE SENSOR INSTALLATION

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 5-57. TIRE/WHEEL SET 400/75-28 PNEUMATIC

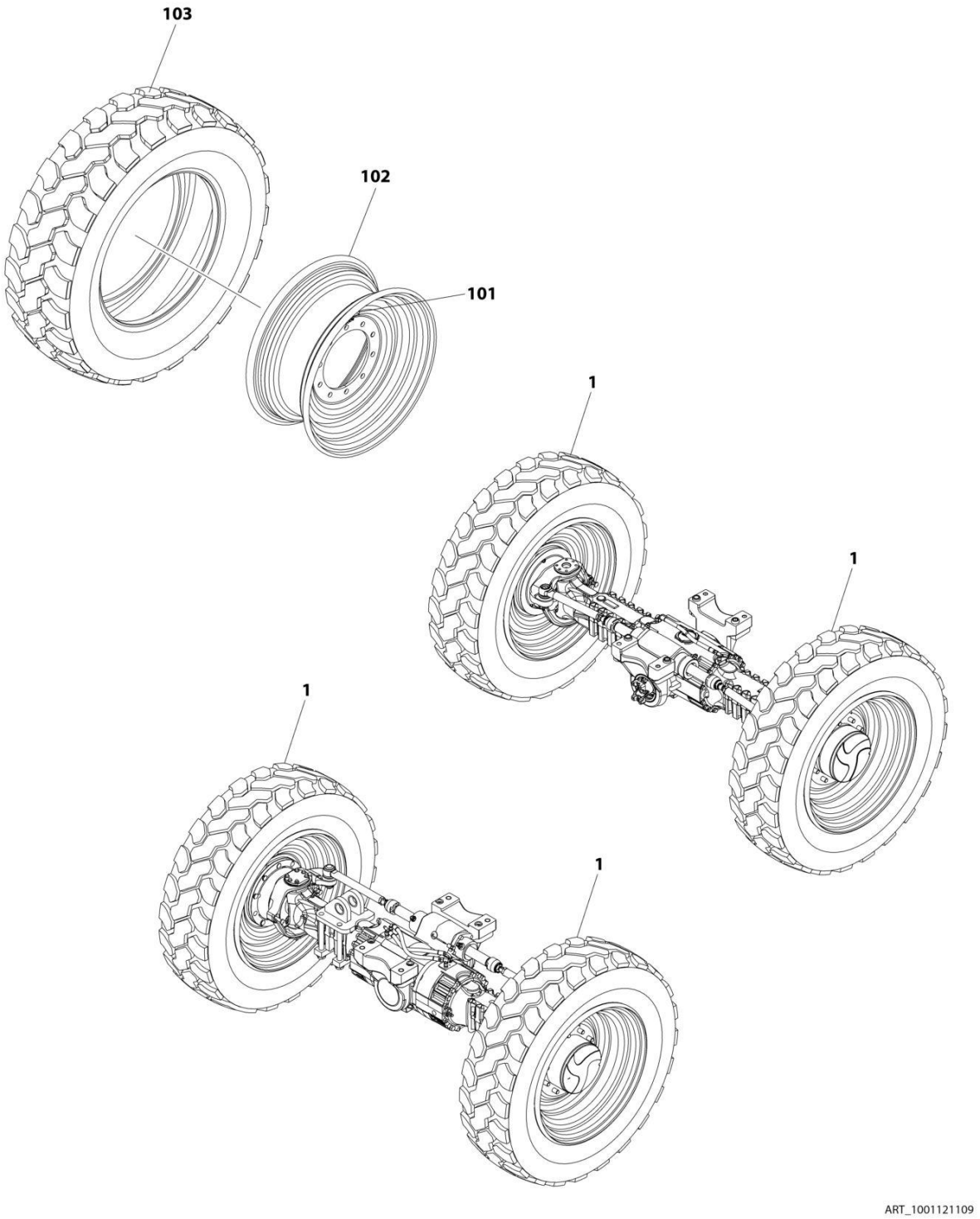


FIGURE 5-57. TIRE/WHEEL SET 400/75-28 PNEUMATIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001121109	Ref	TIRE/WHEEL SET 400/75-28 - AIR	B
1	1001121103	4	Assembly, Tire/Wheel 400/75-28 - Air	
101	8786514	4	Valve, Stem (1 per assembly)	
102	1001120178	4	Wheel, 28.00 x 12W/0.75 Offset (1 per assembly)	
103	1001120179	4	Tire, 400/75D-28 (1 per assembly)	

FIGURE 5-58. TIRE/WHEEL SET 400/75-28 PNEUMATIC NON-MARKING

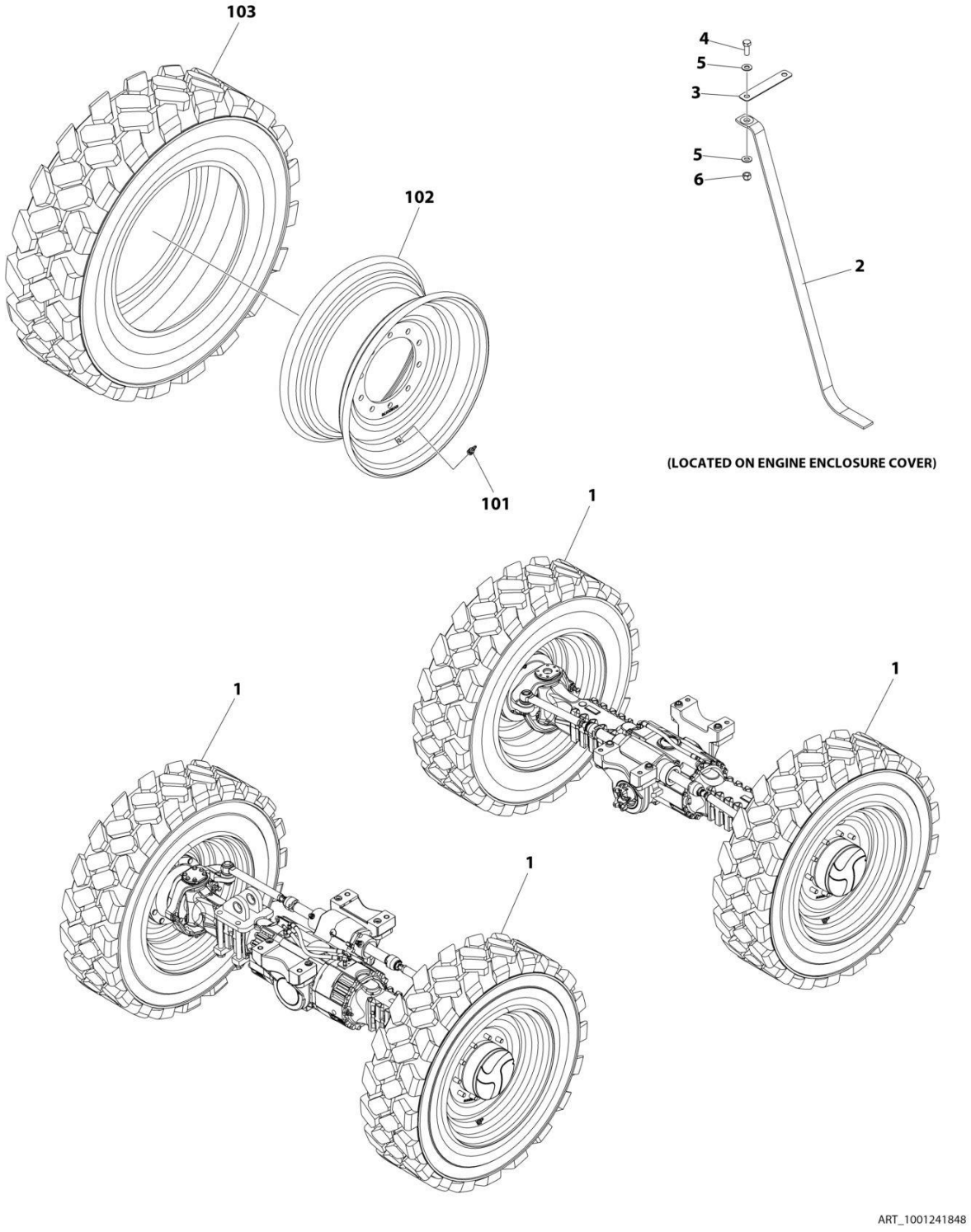


FIGURE 5-58. TIRE/WHEEL SET 400/75-28 PNEUMATIC NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241848	Ref	TIRE/WHEEL SET - 400/75-28 - PNEUMATIC NON MARKING	B
1	1001241841	4	Assembly, Tire and Wheel - 400/75-28 - Pneumatic Non-Marking (See Items 101-103)	
2	1001275637	1	Strap, Anti-Static	
3	1001275638	1	Bracket	
4	8303620	1	Bolt 3/8 x 1	
5	8307110	2	Washer 3/8	
6	8305645	1	Nut 3/8	
	1001241841	Ref	ASSEMBLY, TIRE AND WHEEL - 400/75-28 - PNEUMATIC NON-MARKING	A
101	8786514	4	Valve, Air (1 per assembly)	
102	1001120178	4	Wheel (1 per assembly)	
103	1001241837	4	Tire 400/75-28 Non-Marking (1 per assembly)	

FIGURE 5-59. TIRE/WHEEL SET 400/75-28 - FOAM

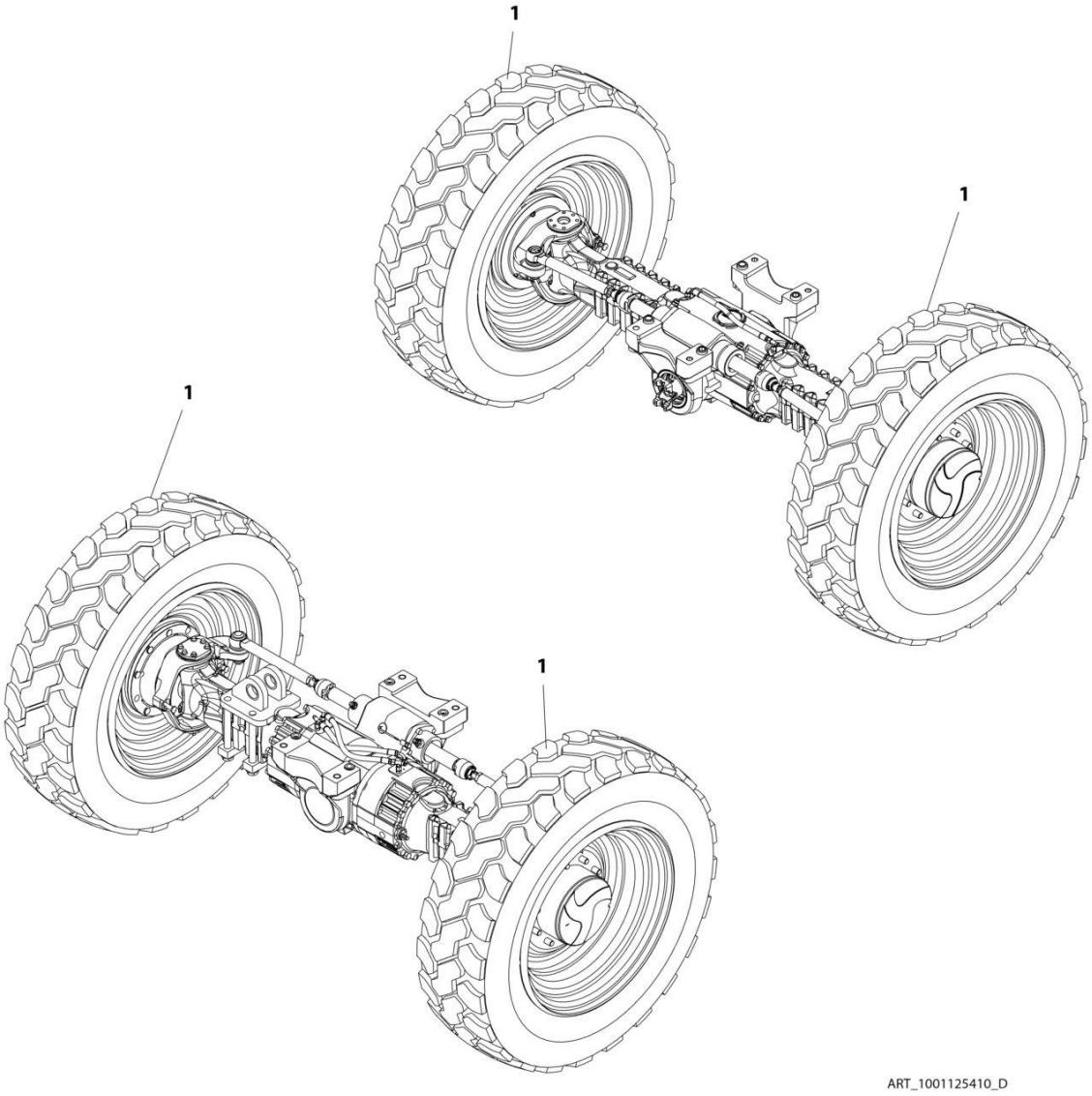


FIGURE 5-59. TIRE/WHEEL SET 400/75-28 - FOAM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001125410	1	Tire/Wheel Set 400/75-28 - Foam	D
		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	1001121105	4	Tire/Wheel 400/75-28 Foam	
1	8786514	4	Vavle, Air (1 per assembly)	
1	1001120178	4	Wheel (1 per assembly)	
1	1001120179	4	Tire 400/75-28 Non-Marking (1 per assembly)	

FIGURE 5-60. TIRE/WHEEL SET 400/75-28 NON-MARKING - FOAM

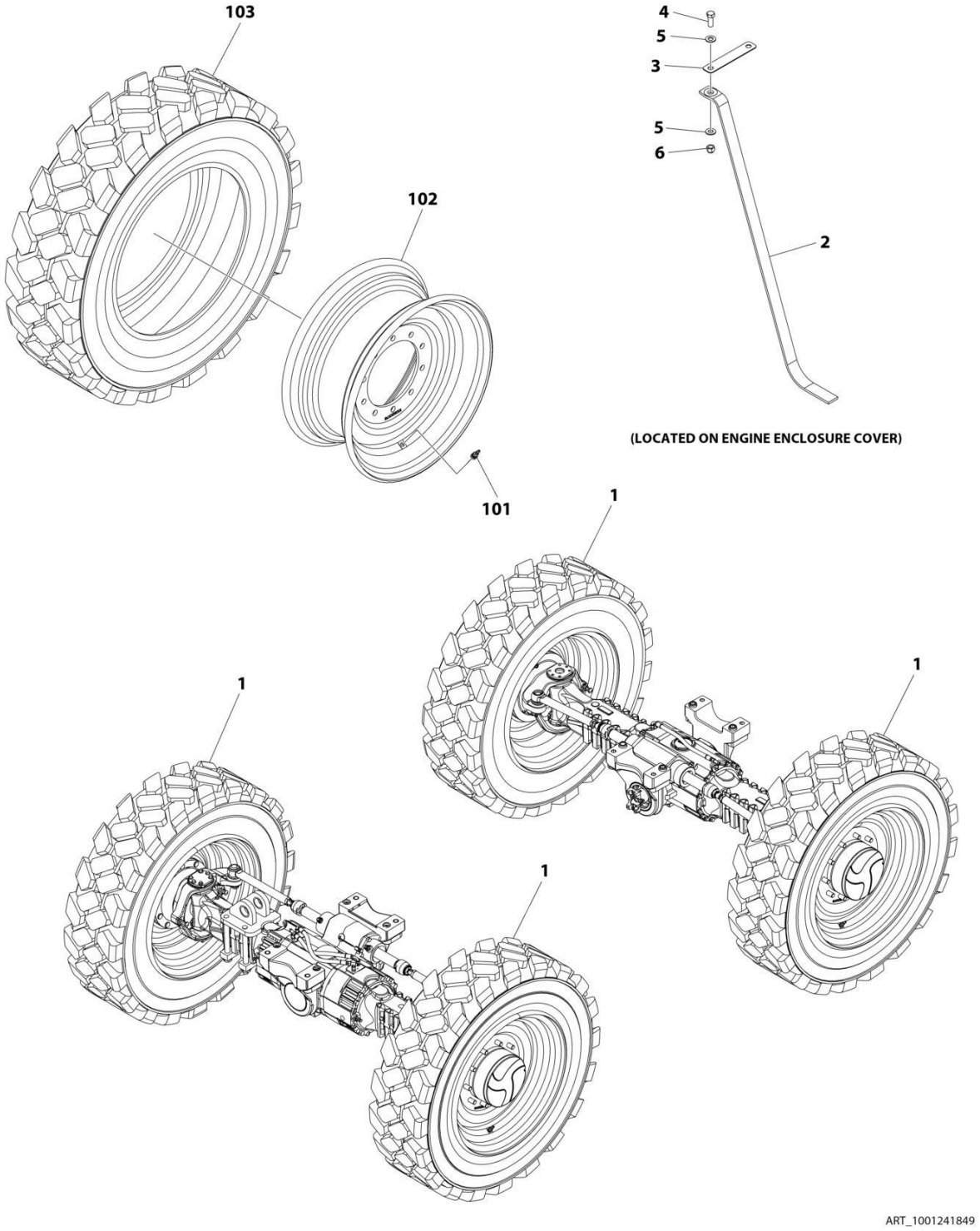


FIGURE 5-60. TIRE/WHEEL SET 400/75-28 NON-MARKING - FOAM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241849	Ref	TIRE/WHEEL SET 400/75-28 - FOAM FILLED 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	1001241842	4	Tire and Wheel Assembly (See Items 101-103)	
2	1001275637	1	Strap, Anti-Static	
3	1001275638	1	Bracket	
4	8303620	1	Bolt 3/8 x 1	
5	8307110	2	Washer 3/8	
6	8305645	1	Nut 3/8	
	1001241842	Ref	TIRE AND WHEEL ASSEMBLY	A
101	8786514	4	Valve, Air (1 per assembly)	
102	1001120178	4	Wheel (1 per assembly)	
103	1001241837	4	Tire 400/75-28 Non-Marking (1 per assembly)	

FIGURE 5-61. TIRE/WHEEL SET 14-24 16PR PNEUMATIC

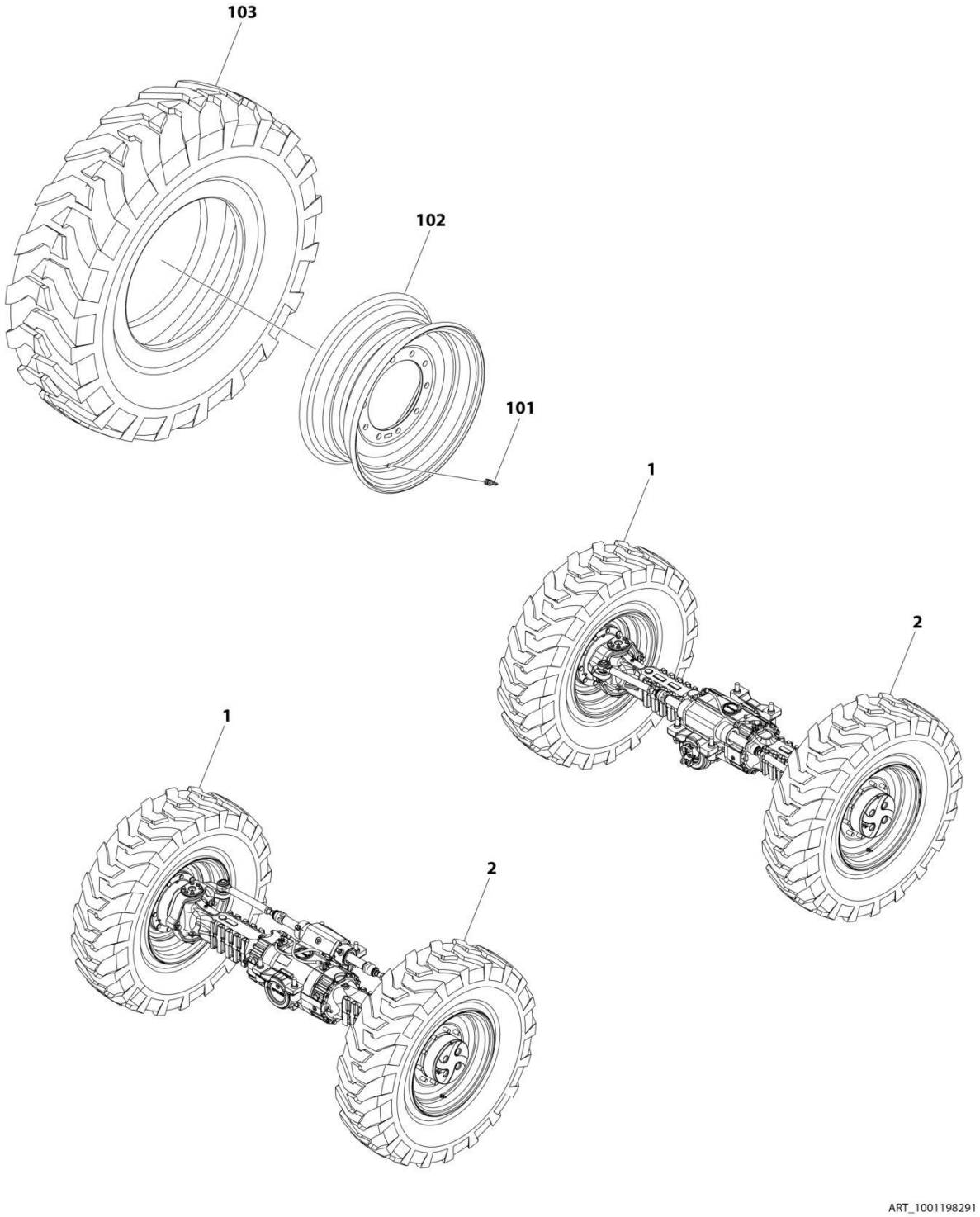


FIGURE 5-61. TIRE/WHEEL SET 14-24 16PR PNEUMATIC

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 5-62. TIRE/WHEEL SET 14-24 12PR - FOAM

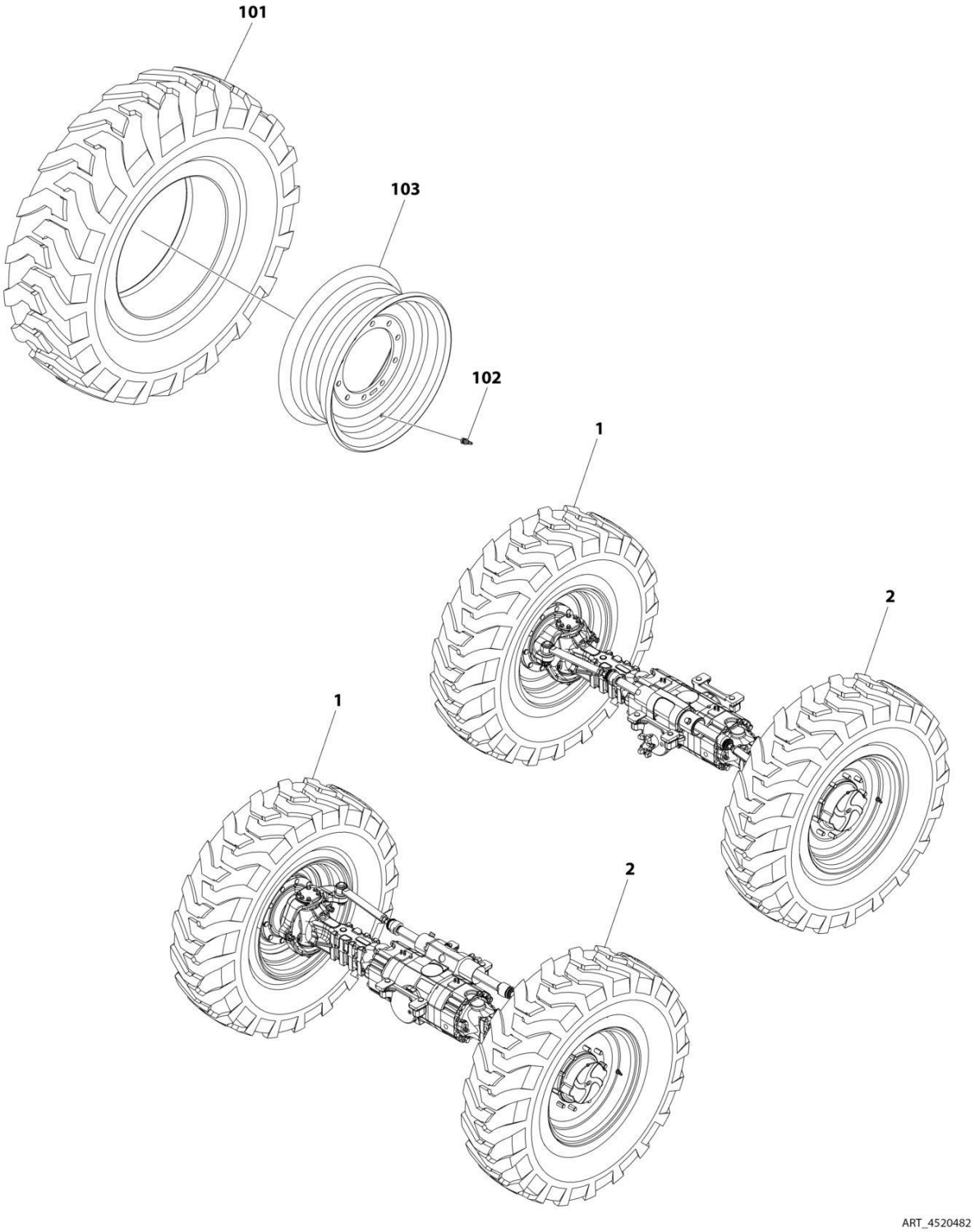


FIGURE 5-62. TIRE/WHEEL SET 14-24 12PR - FOAM

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 5-63. TIRE/WHEEL SET 360/85-28 - SOLID

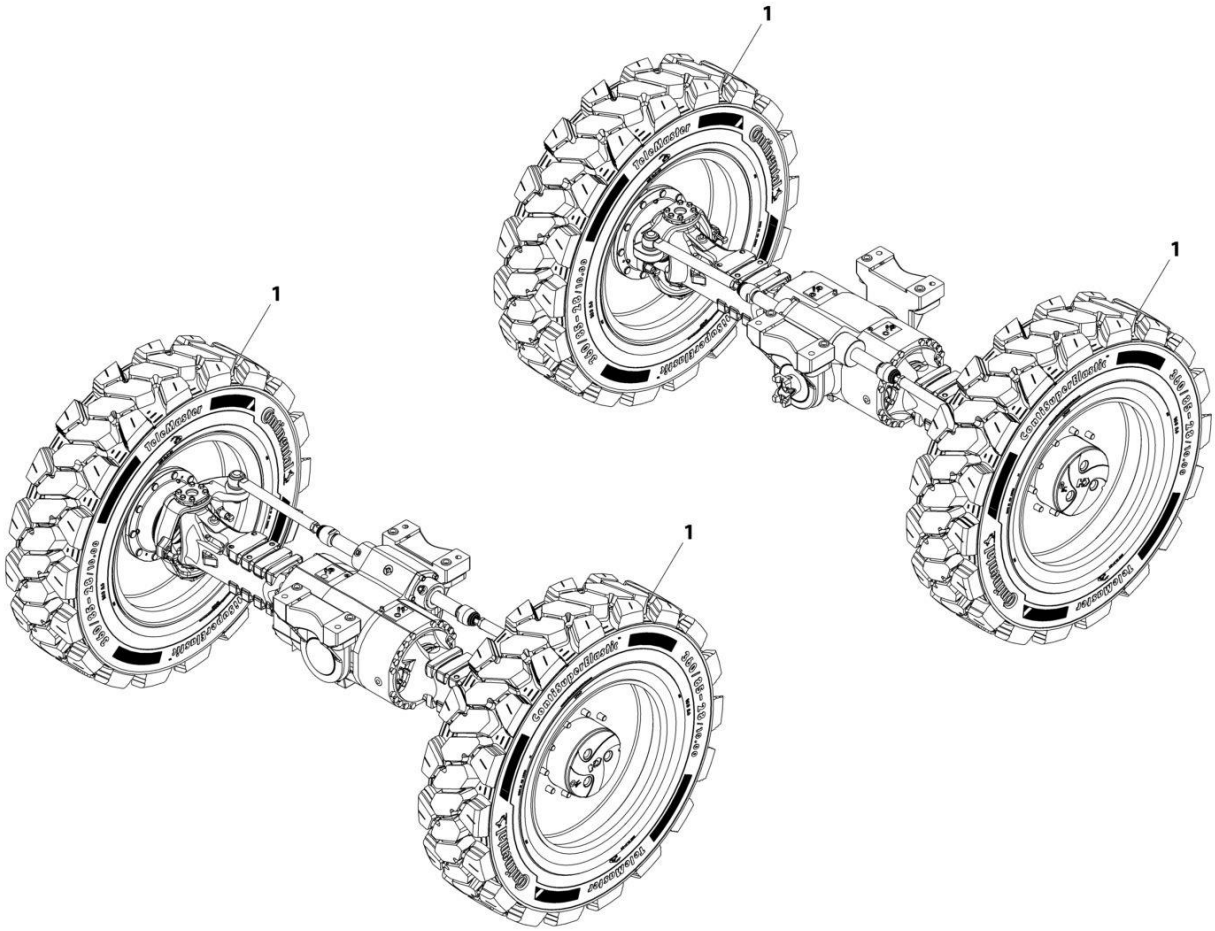


FIGURE 5-63. TIRE/WHEEL SET 360/85-28 - SOLID

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221504	Ref	Tire/Wheel Set 360/85-28 - Solid	A
1	1001213200J	4	Tire/Wheel Solid 360/85-28/10 - 1M Offset	

FIGURE 5-64. TIRE SET 18 X 625

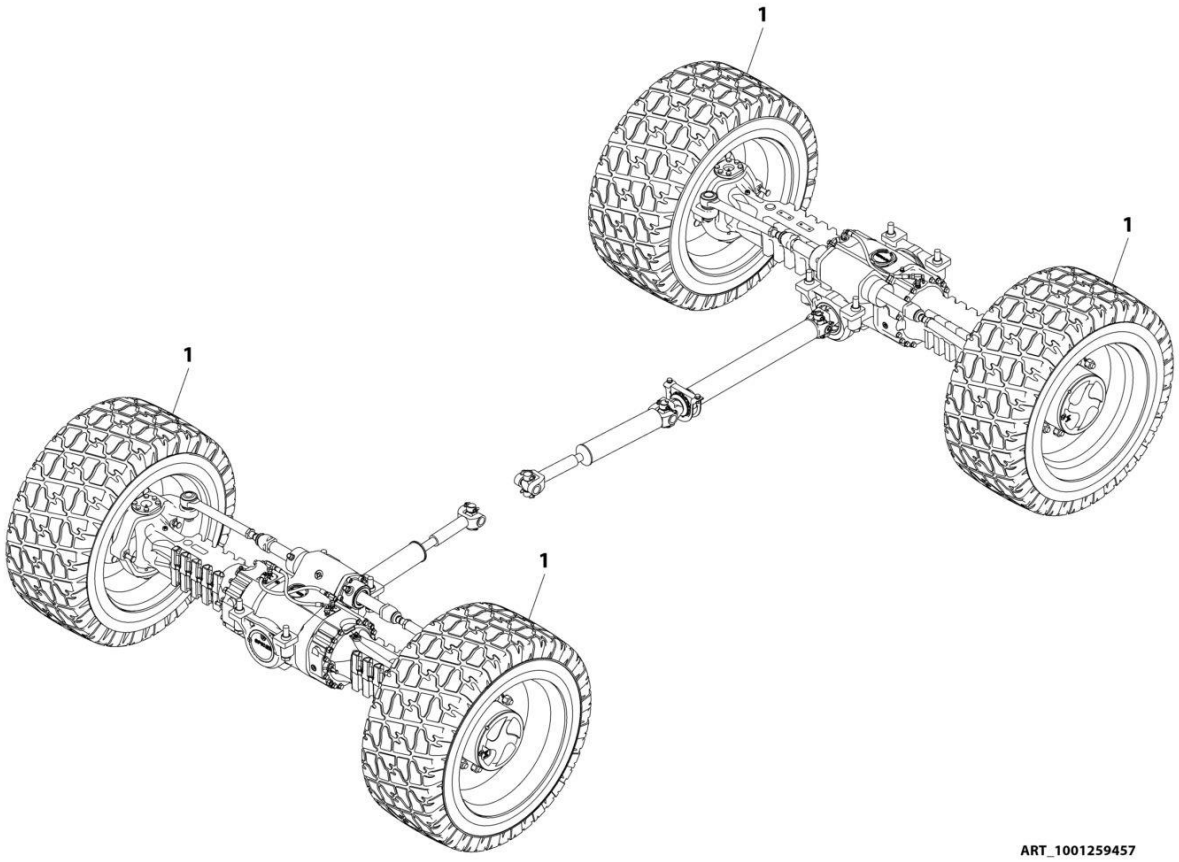


FIGURE 5-64. TIRE SET 18 X 625

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 5-65. FENDER INSTALLATION

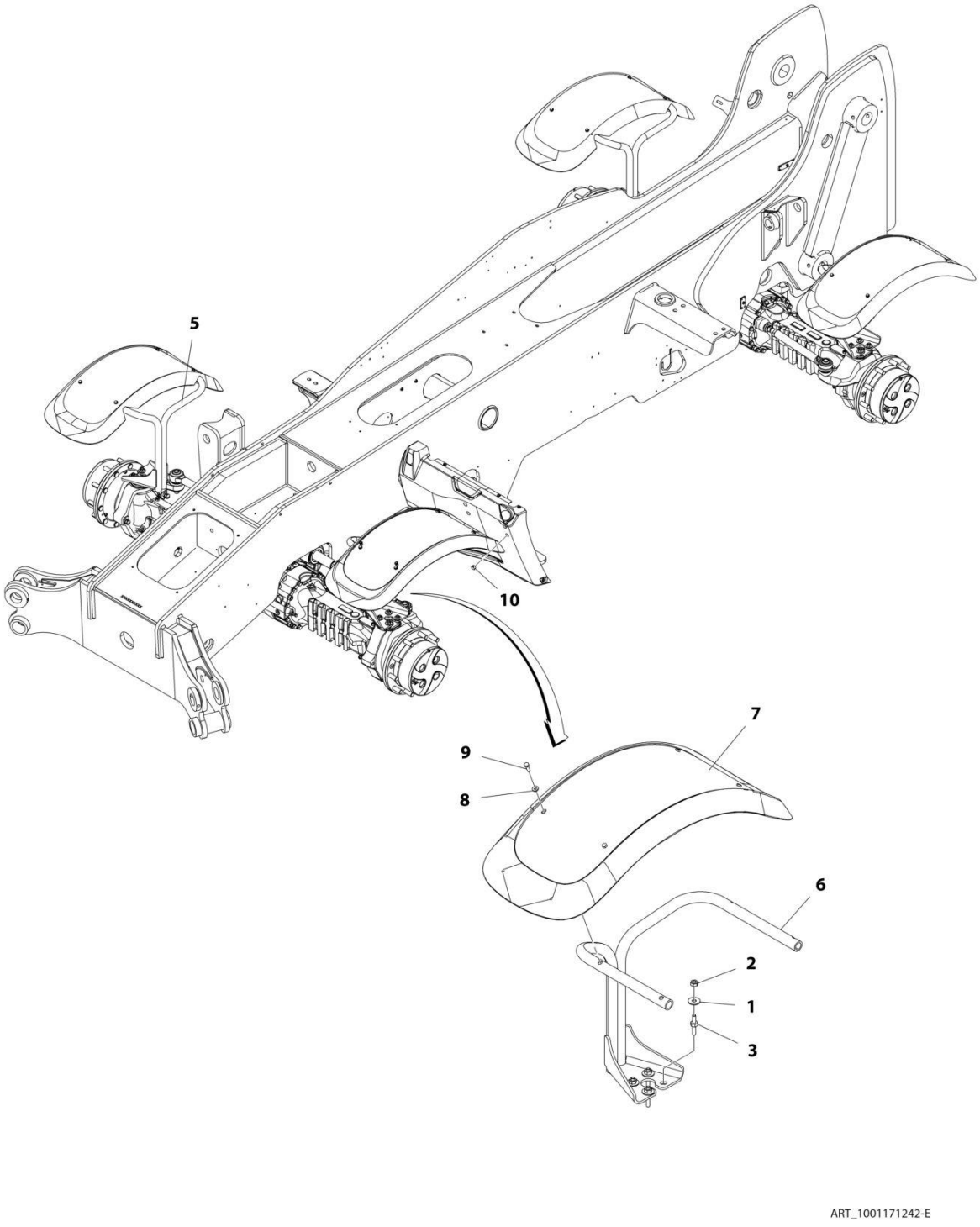


FIGURE 5-65. FENDER INSTALLATION

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 5-66. WHEEL CHOCK INSTALLATION

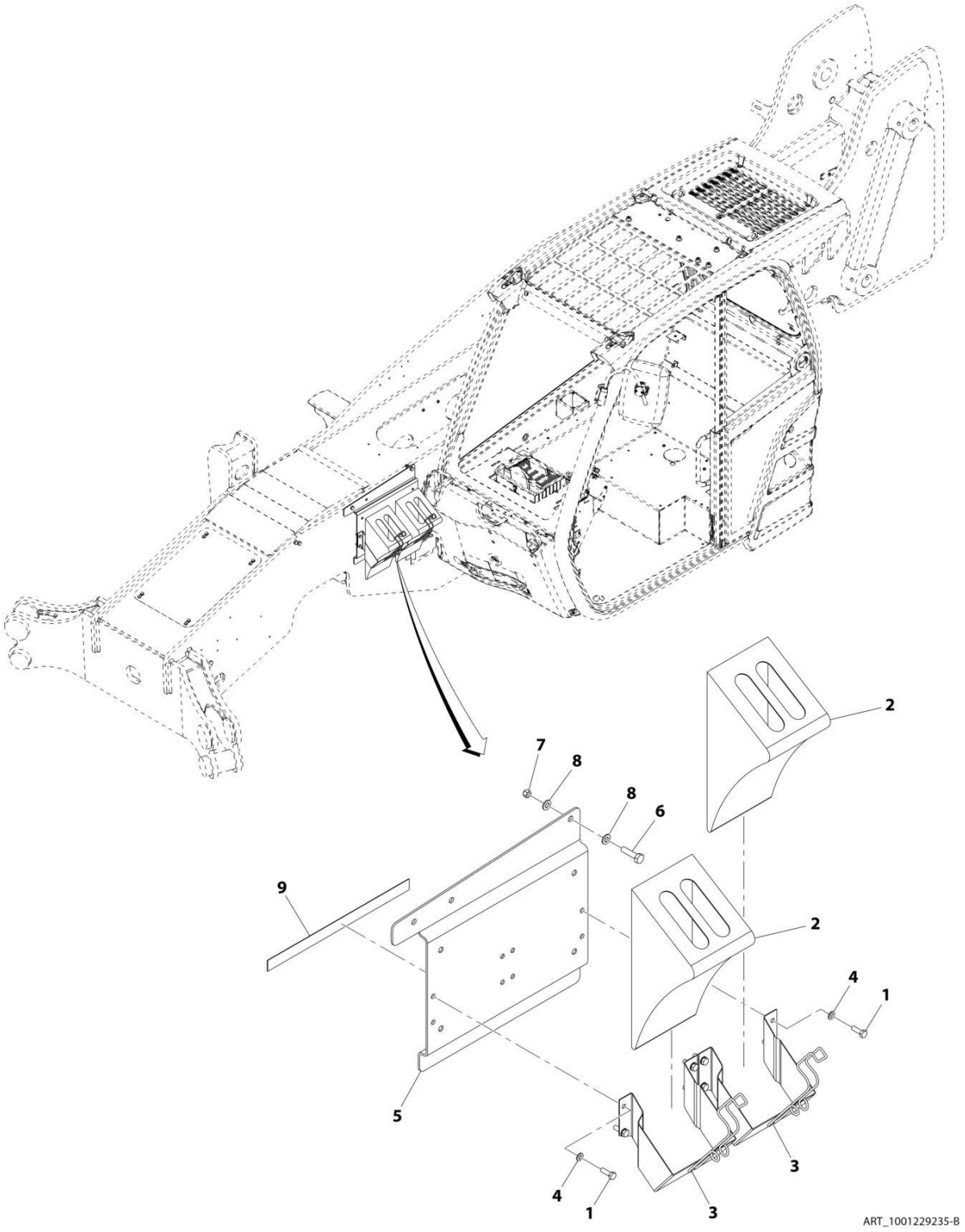


FIGURE 5-66. WHEEL CHOCK INSTALLATION

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 5-67. TOOLBOX INSTALLATION

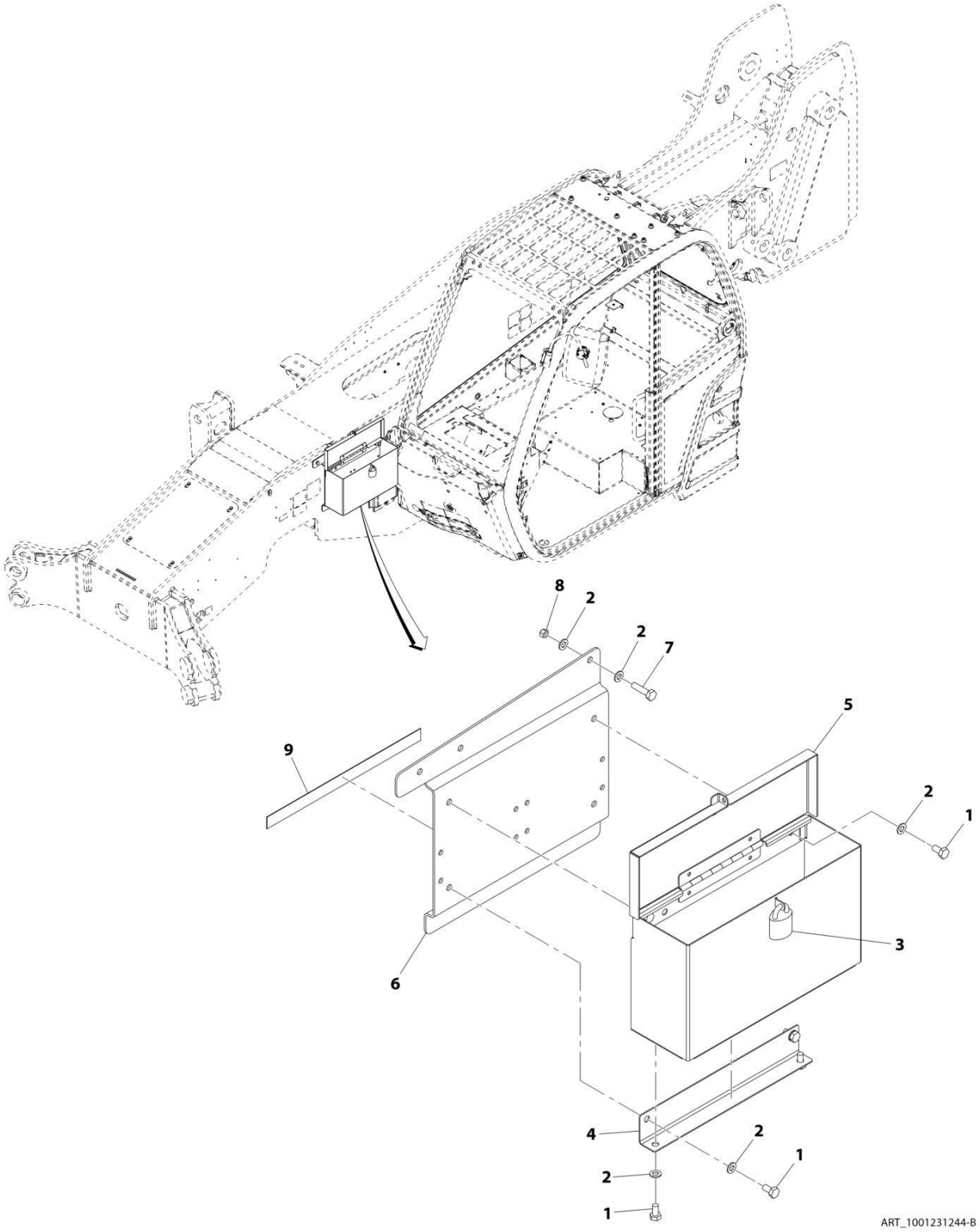


FIGURE 5-67. TOOLBOX INSTALLATION

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

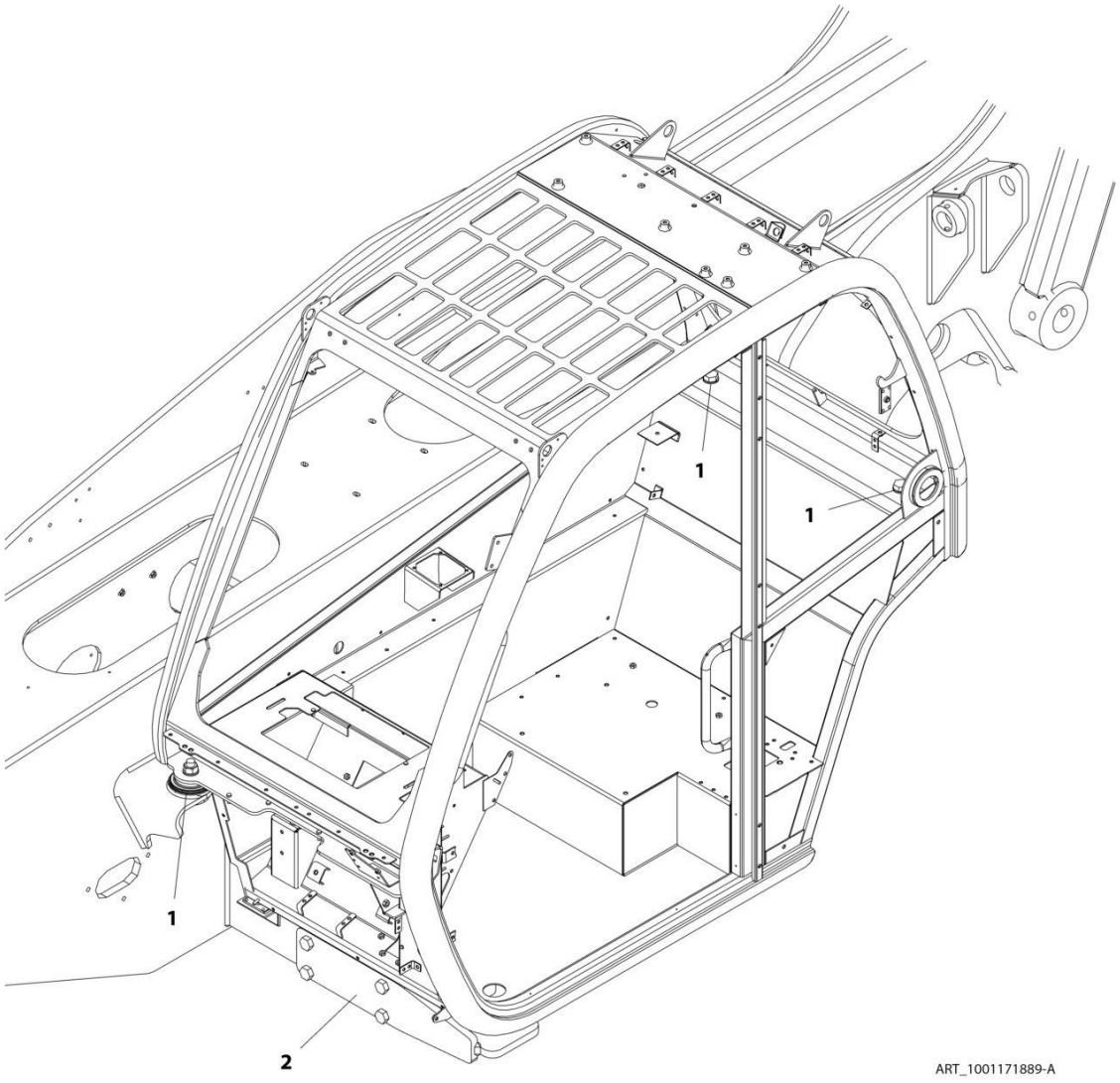


FIGURE 6-1. CAB MOUNTING

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

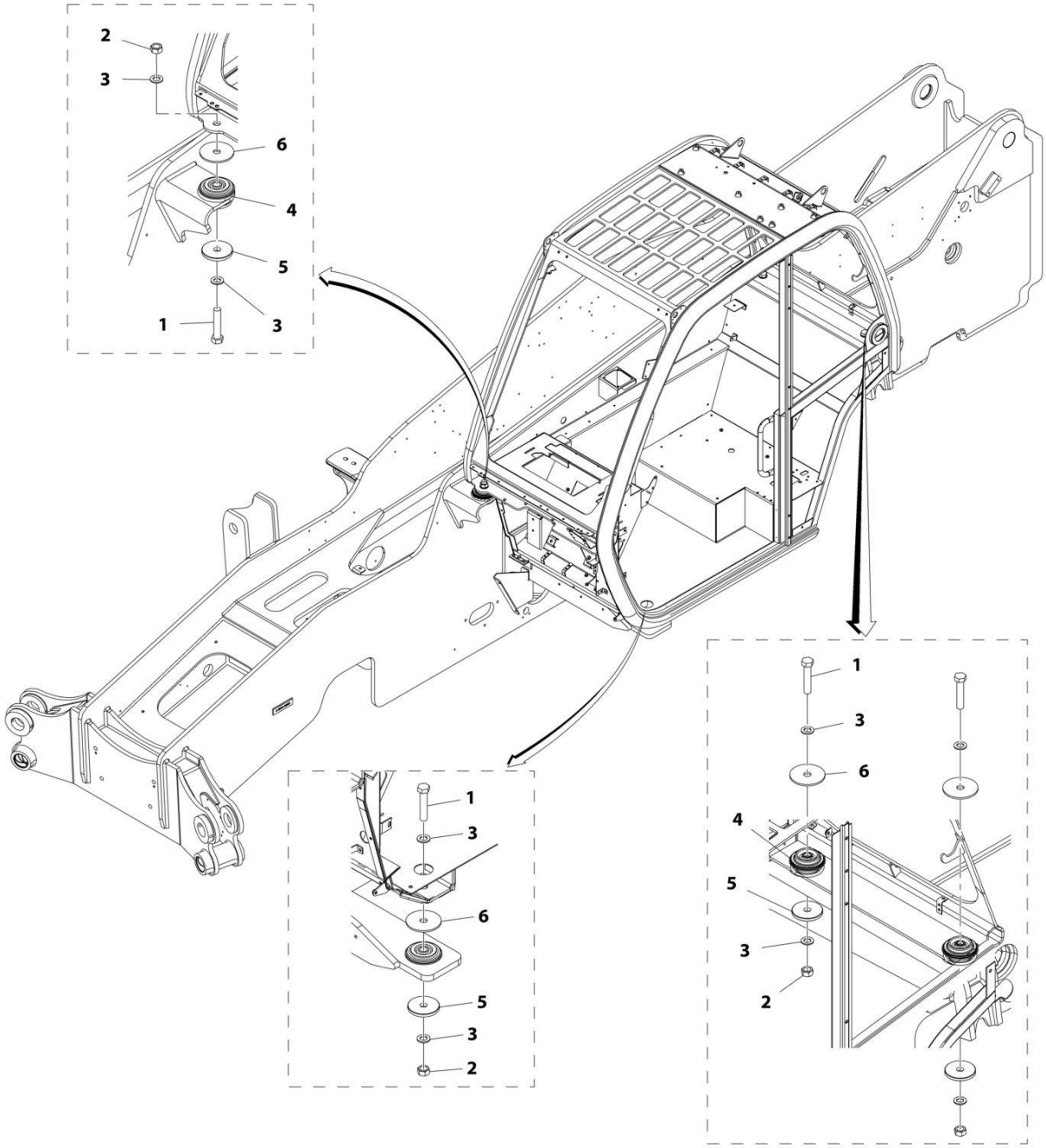


FIGURE 6-2. CAB MOUNTS INSTALLATION

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

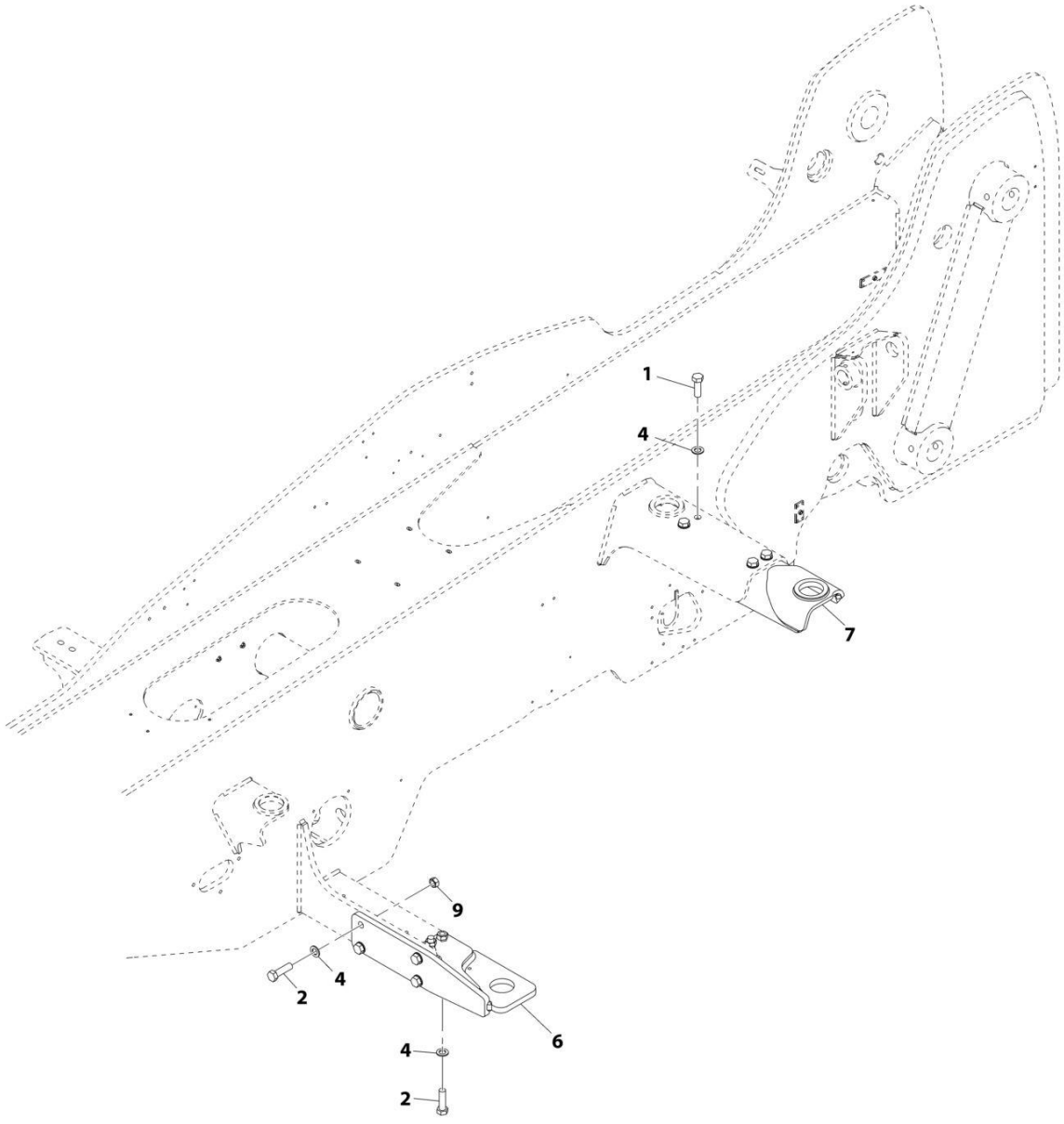


FIGURE 6-3. FRONT CAB OUTRIGGER INSTALLATION

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

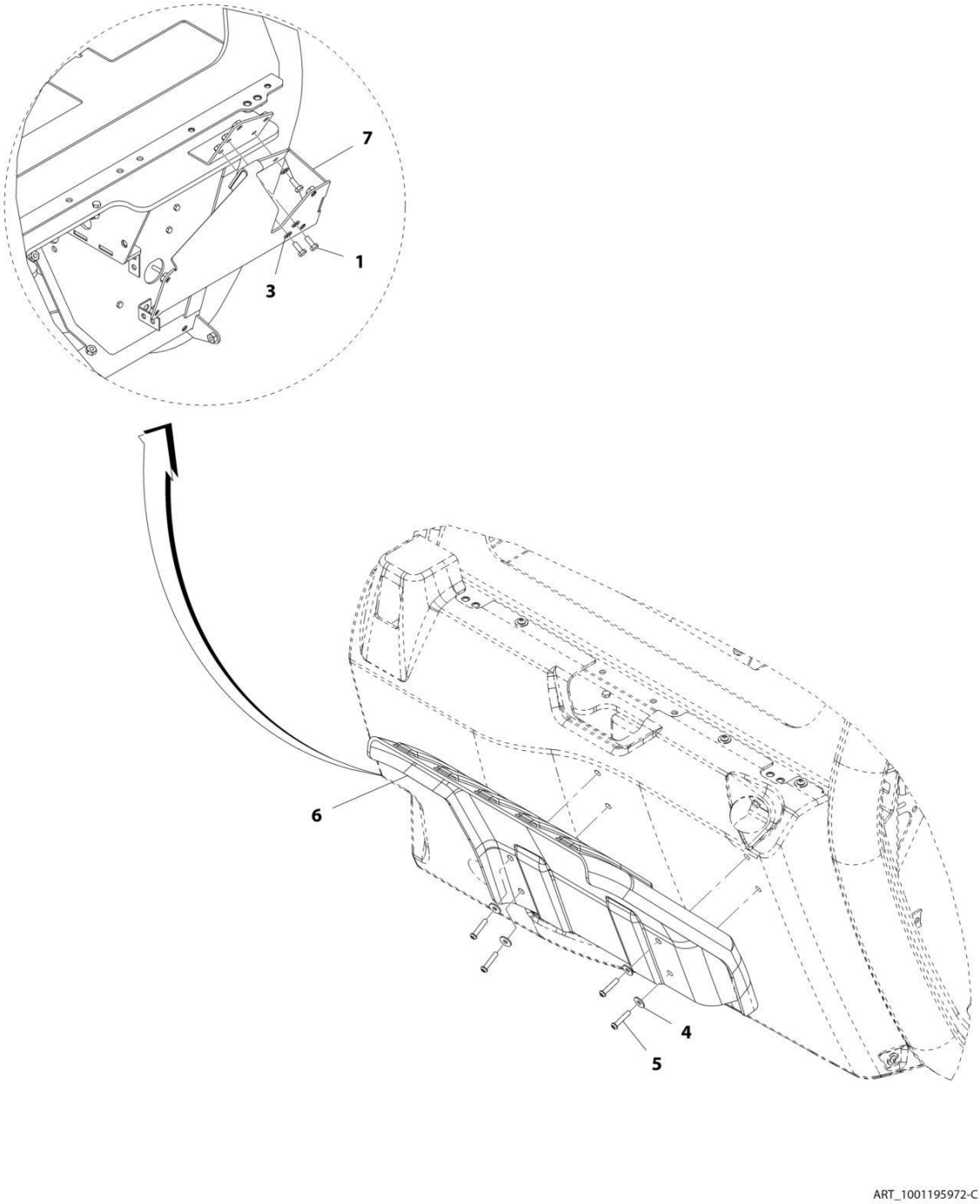


FIGURE 6-4. CAB FENDER INSTALLATION

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)

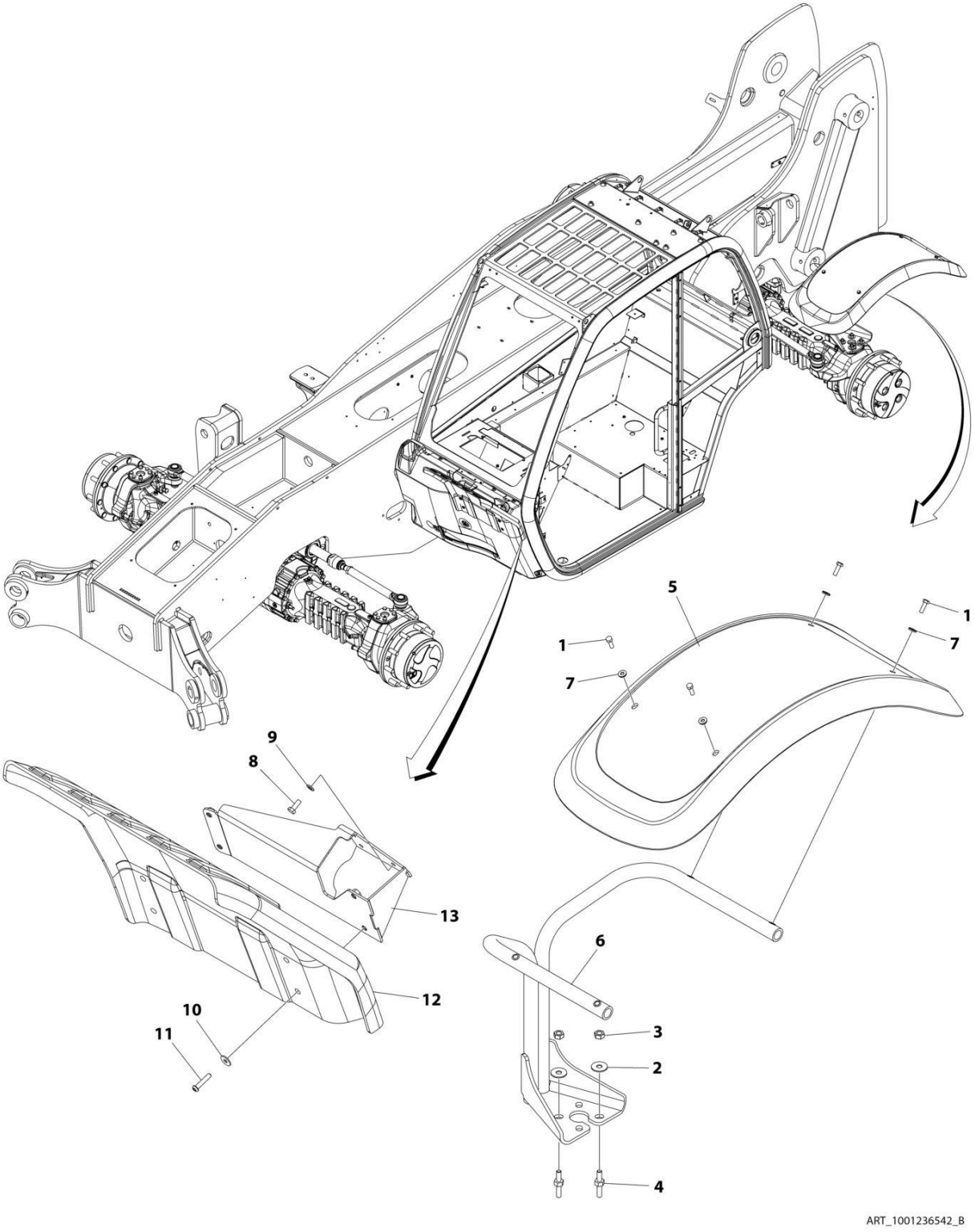


FIGURE 6-5. CAB FENDER INSTALLATION REAR (LH)

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

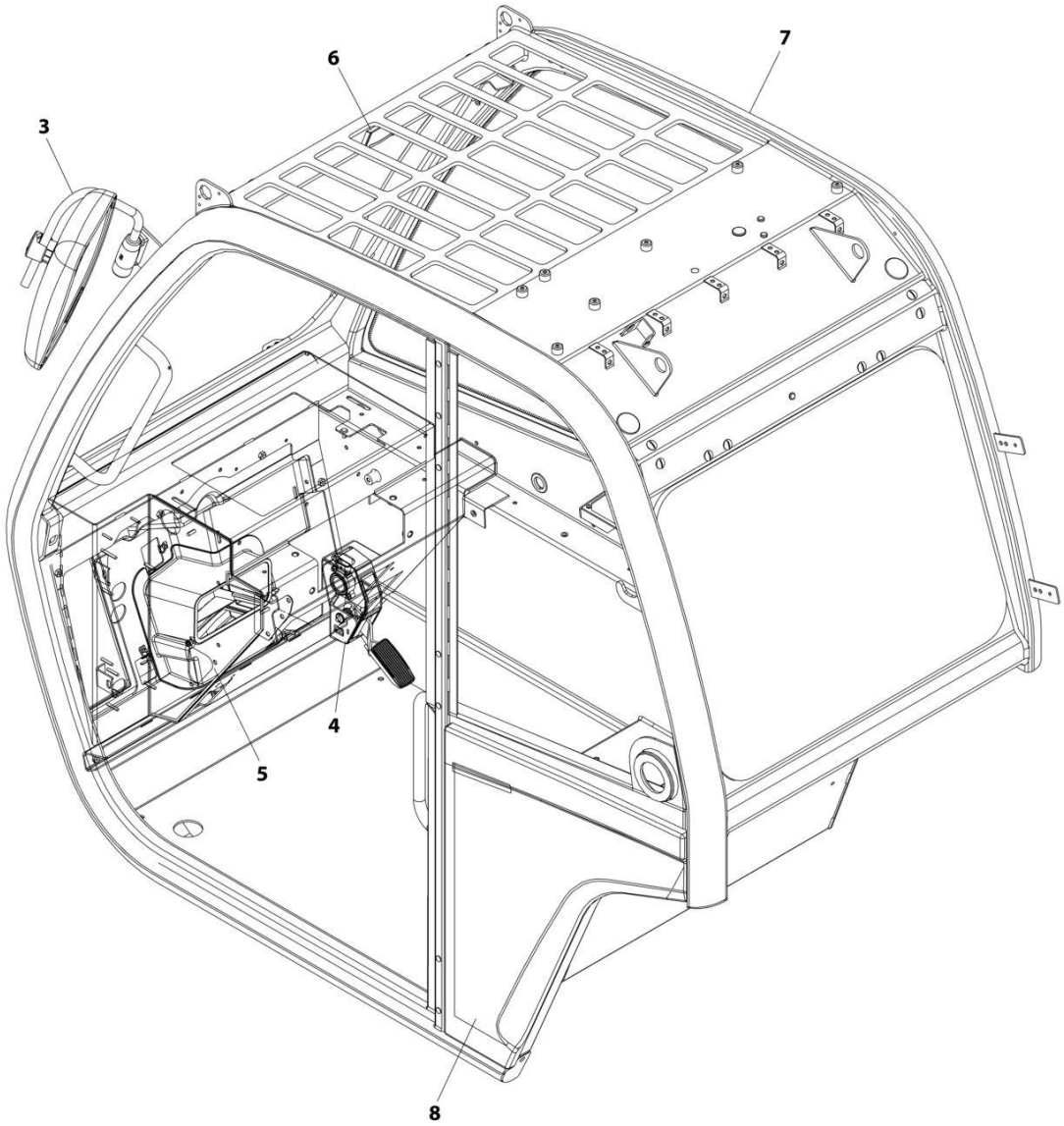


FIGURE 6-6. OROPS CAB INSTALLATION

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

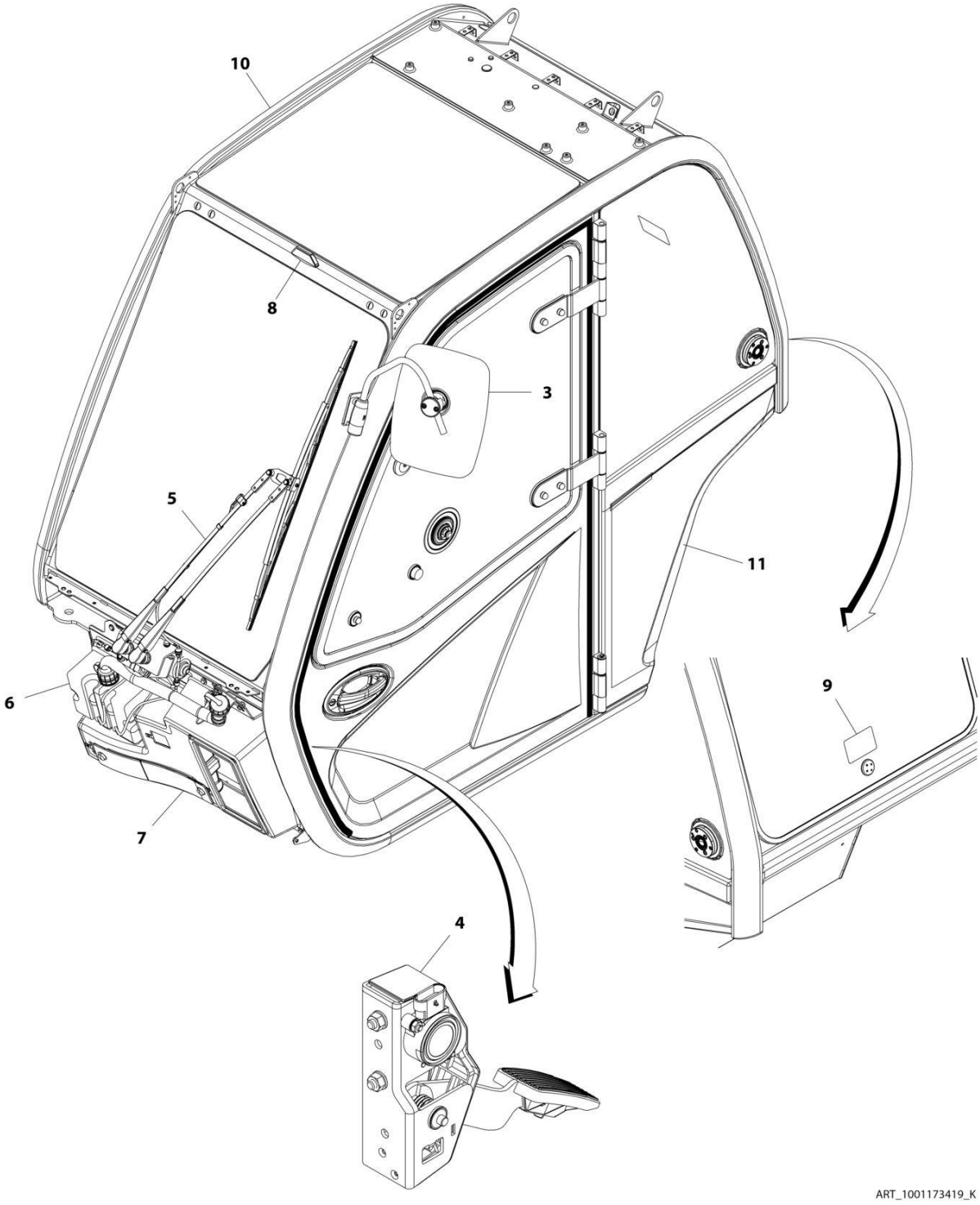


FIGURE 6-7. EROPS CAB INSTALLATION

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

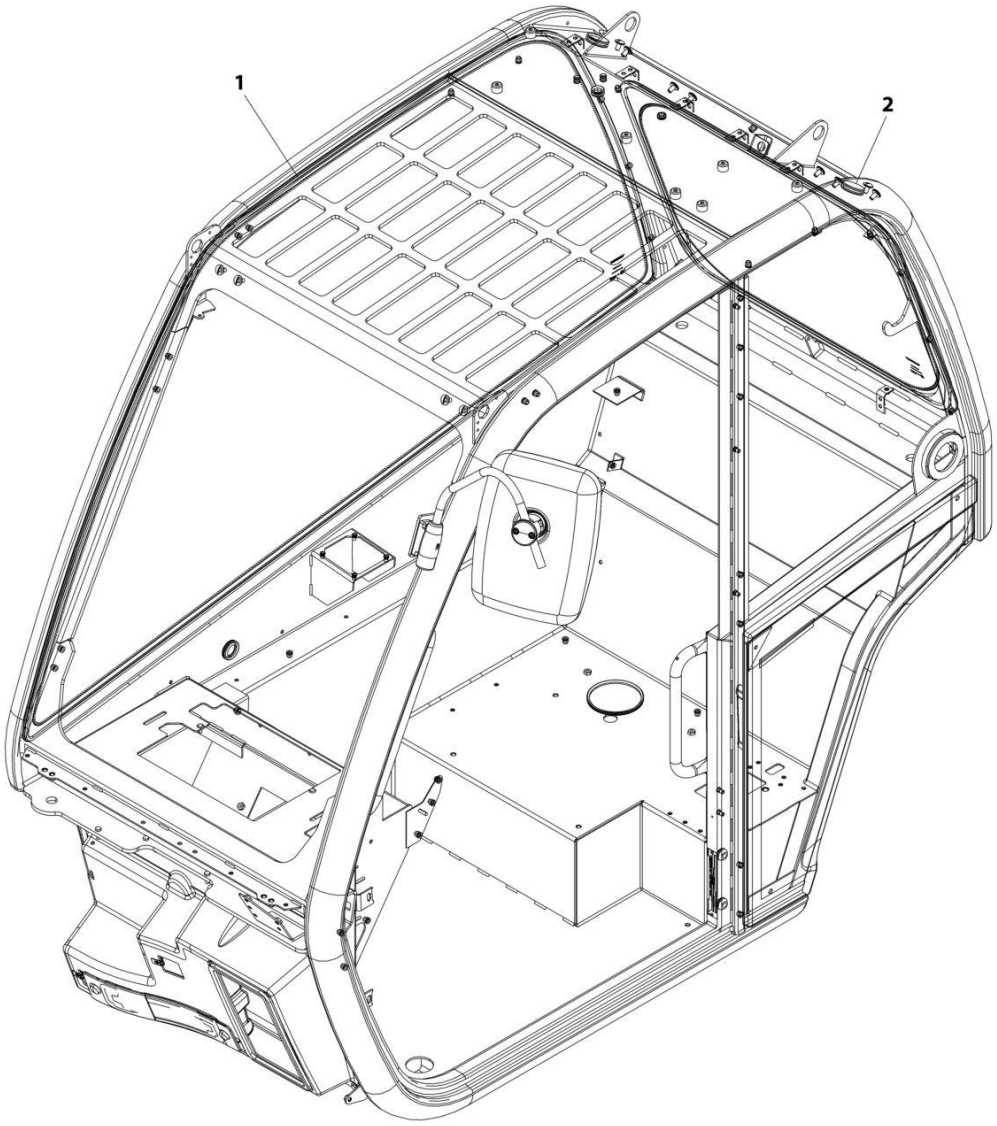


FIGURE 6-8. CAB, TRIM KIT

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

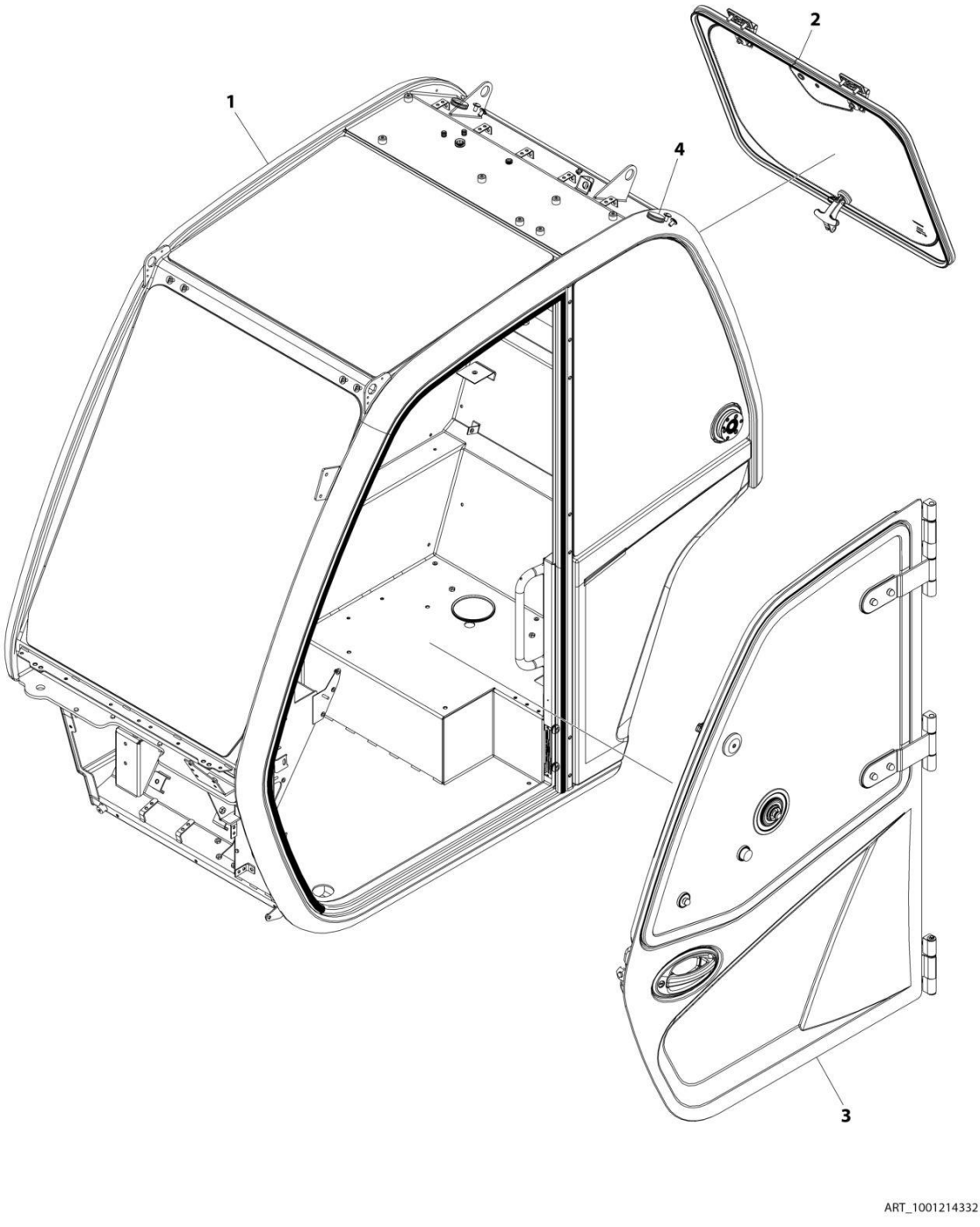


FIGURE 6-9. CAB, TRIM KIT

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

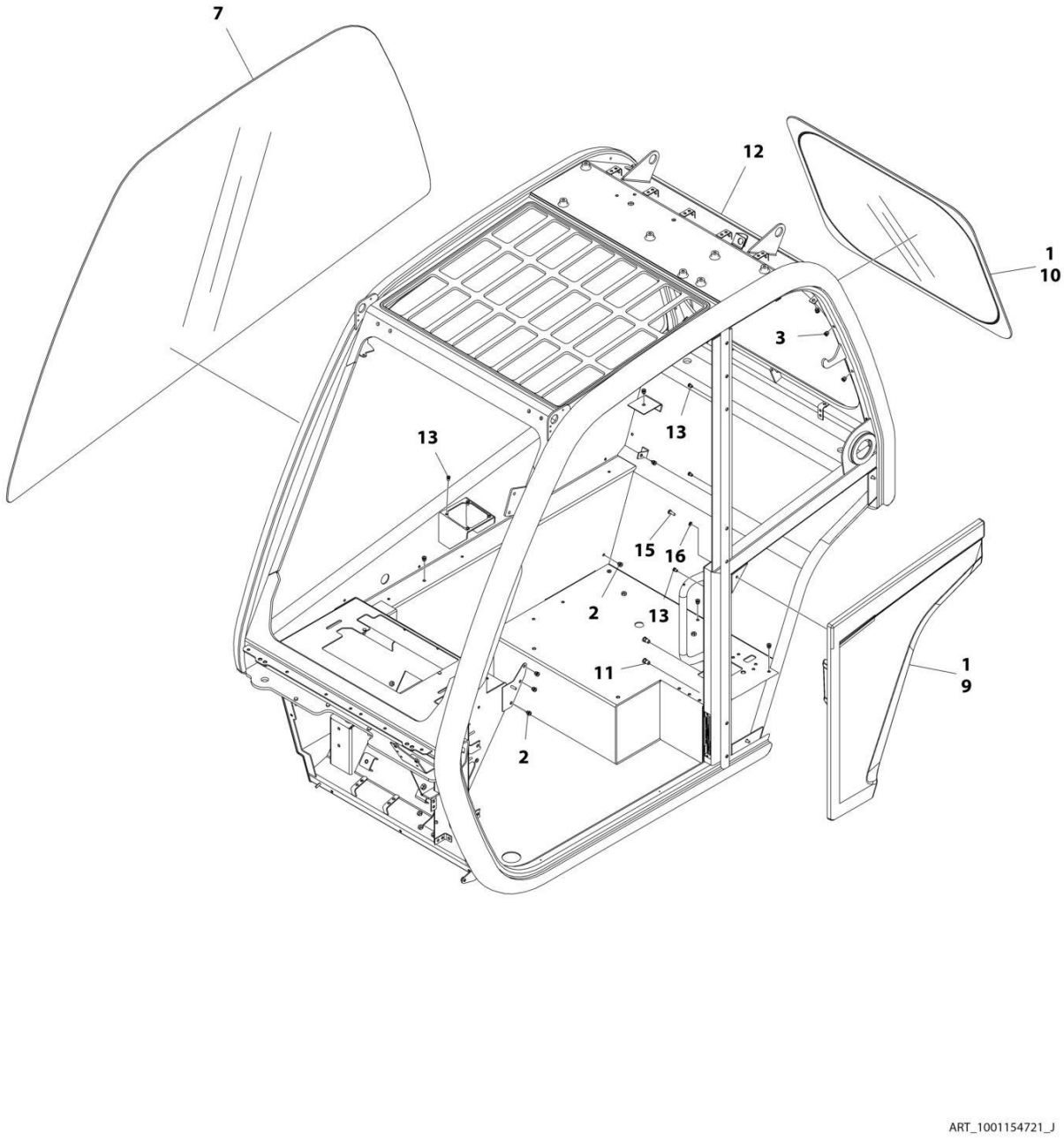


FIGURE 6-10. OPEN CAB ASSEMBLY

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. LSI OPEN CAB INSTALLATION

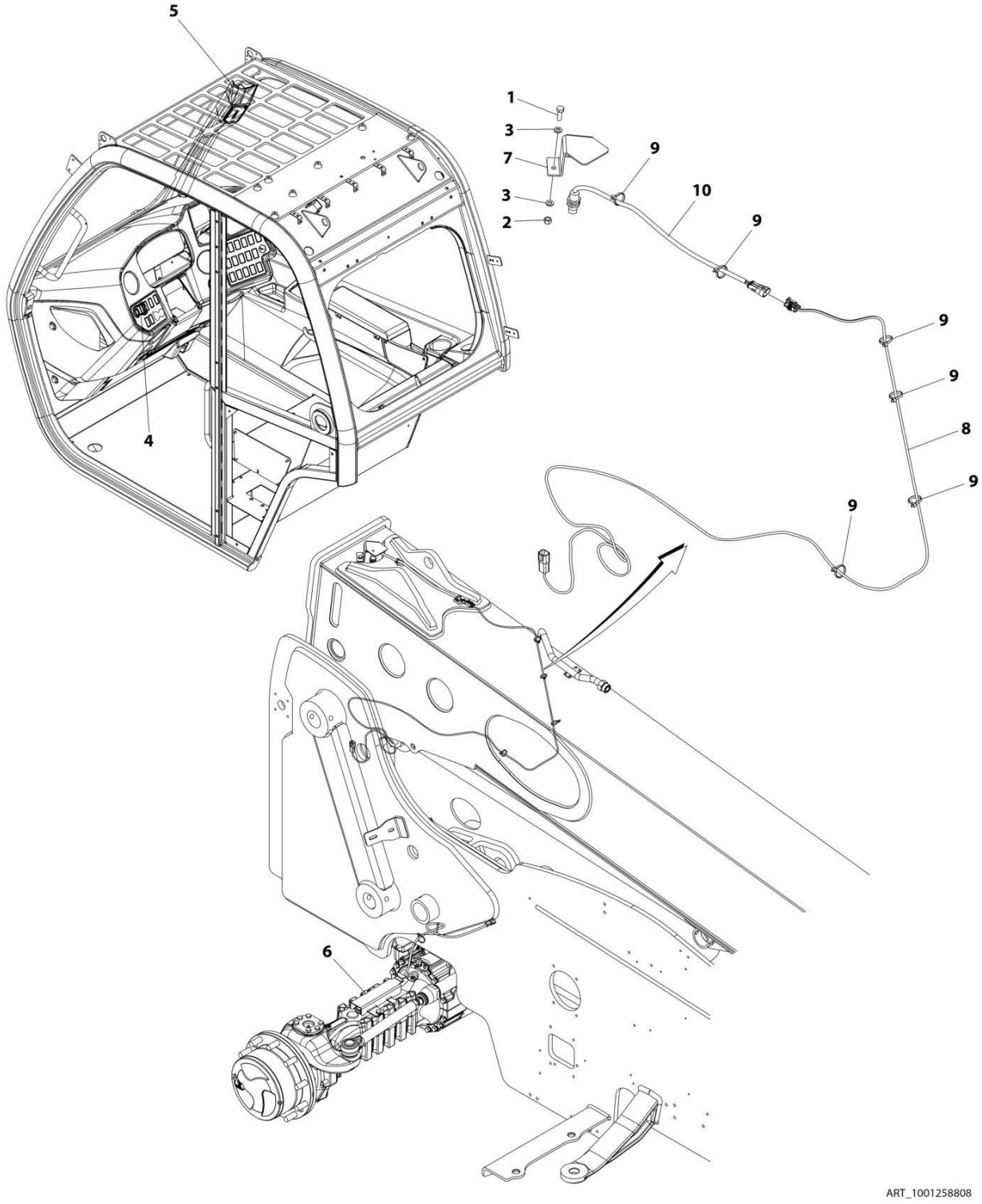


FIGURE 6-11. LSI OPEN CAB INSTALLATION

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

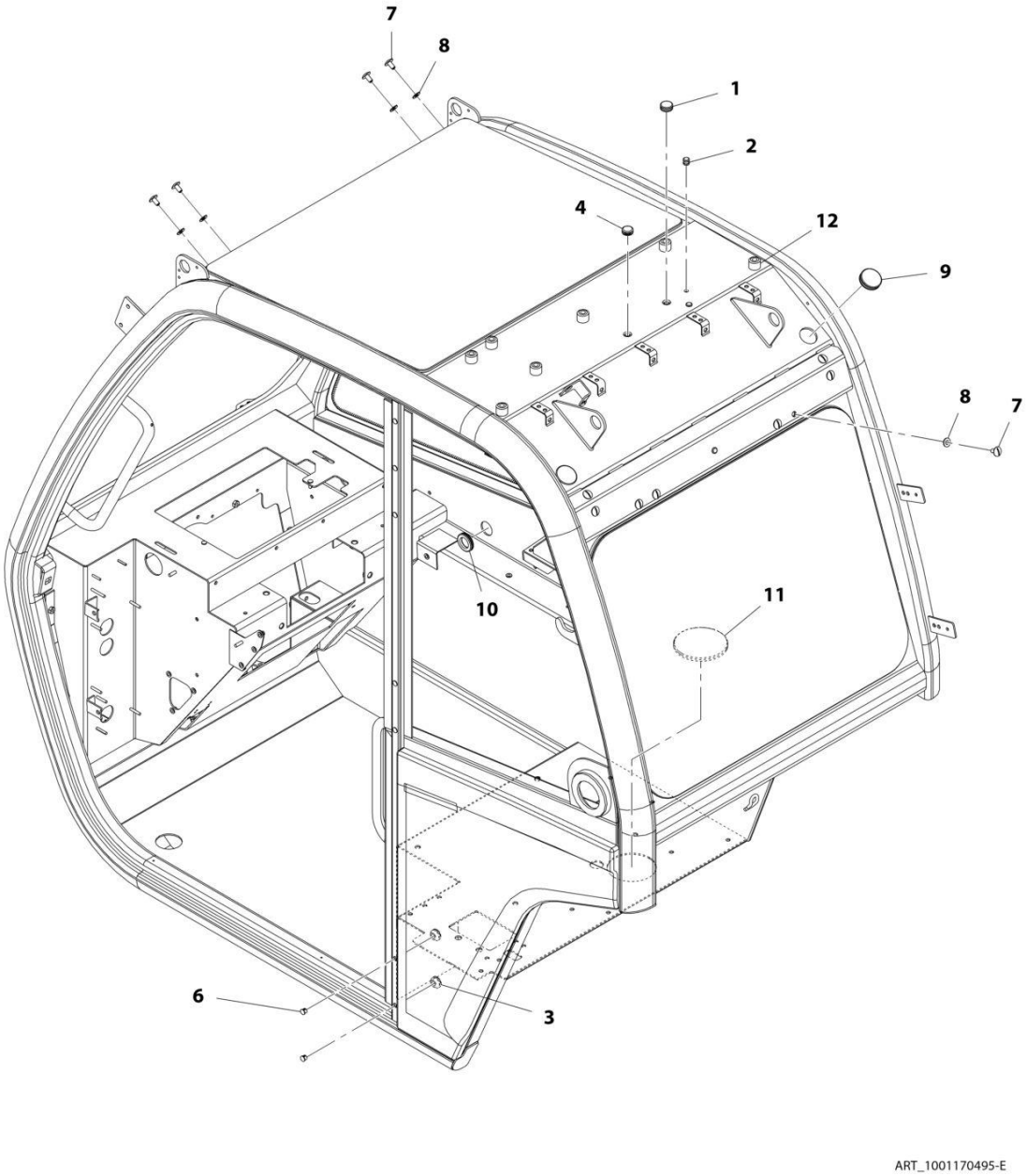


FIGURE 6-12. OPEN CAB PLUG GROUP

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

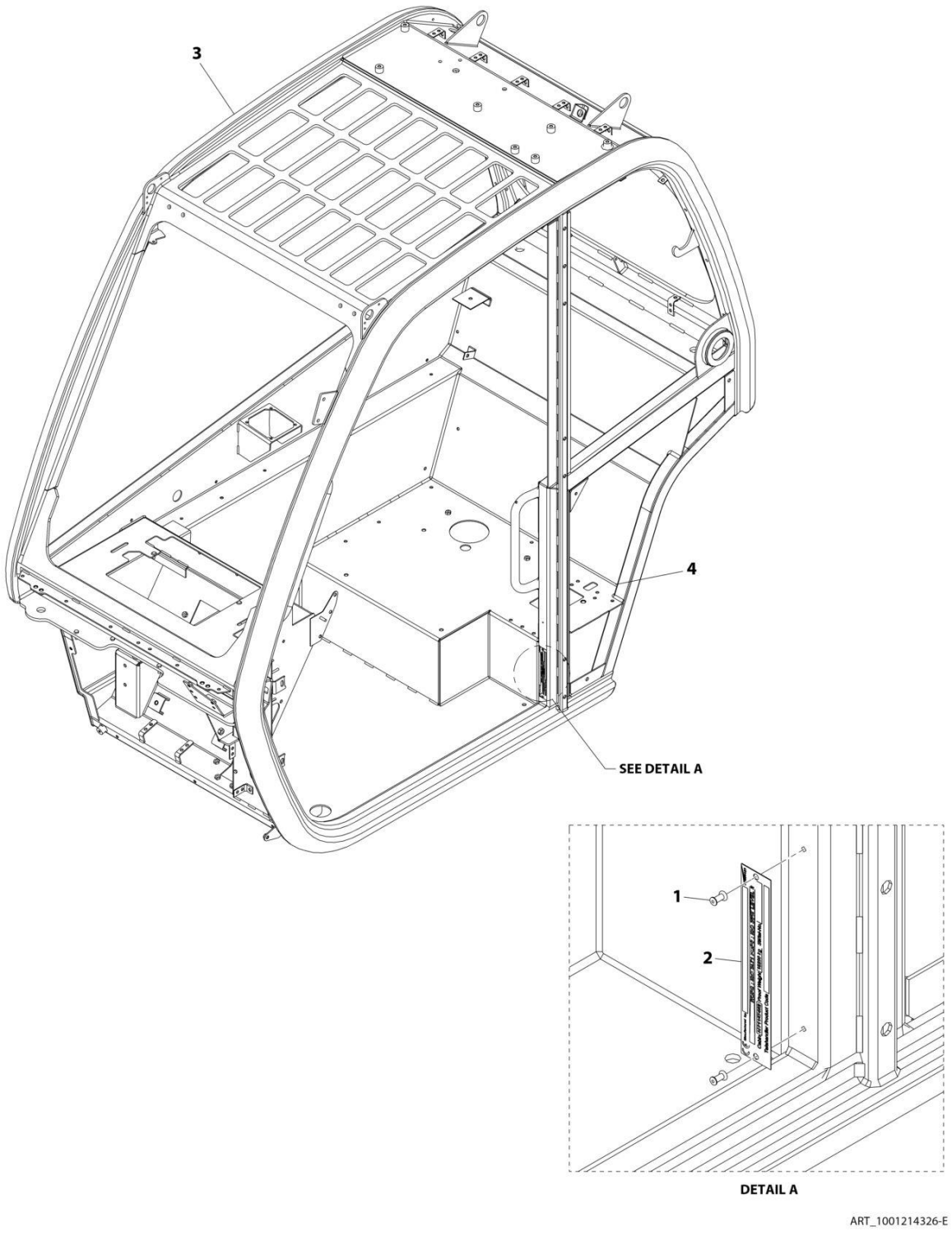


FIGURE 6-13. CAB, EPD CAULK

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

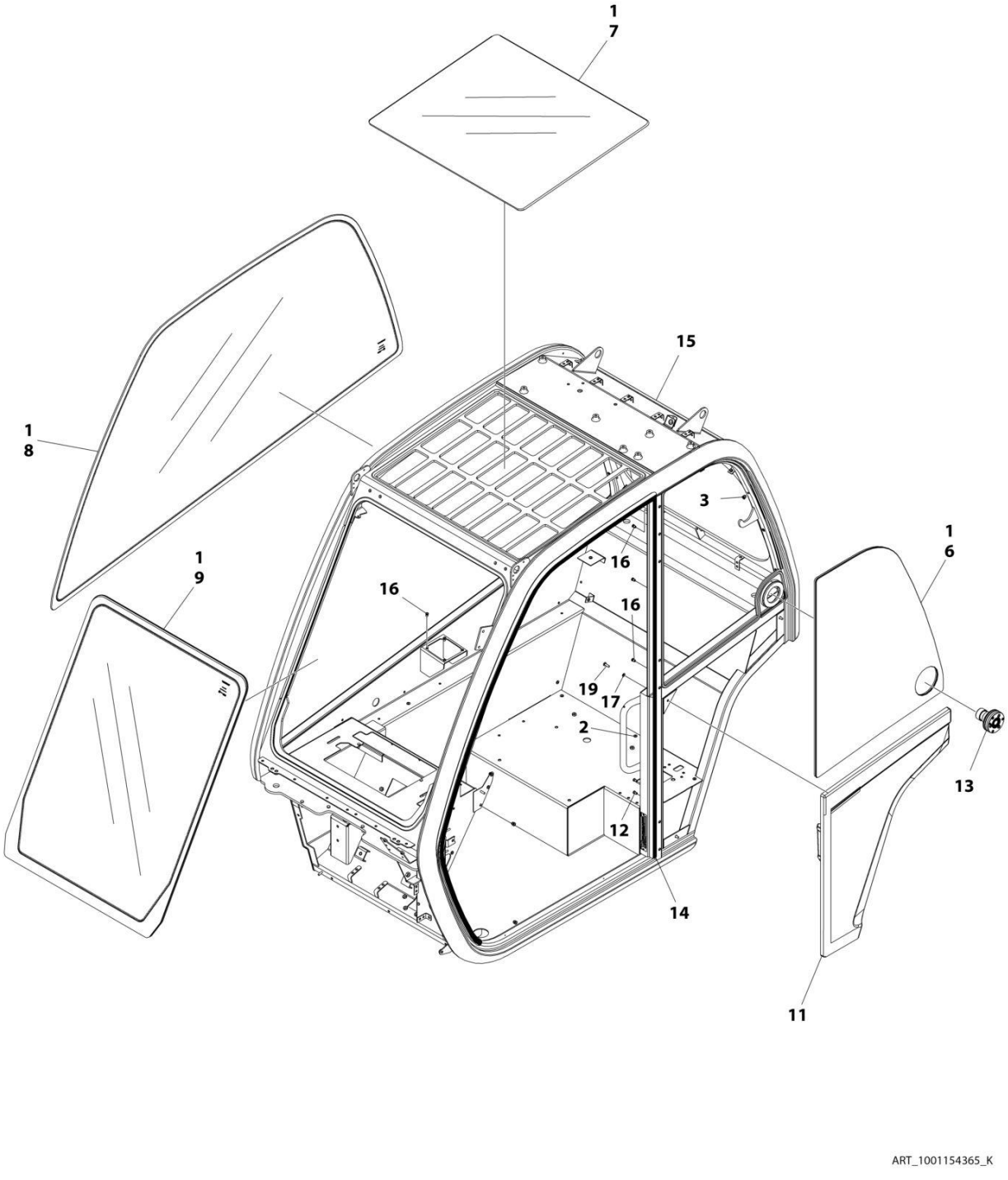


FIGURE 6-14. ENCLOSED CAB ASSEMBLY

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. LSI EMCLOSED CAB INSTALLATION

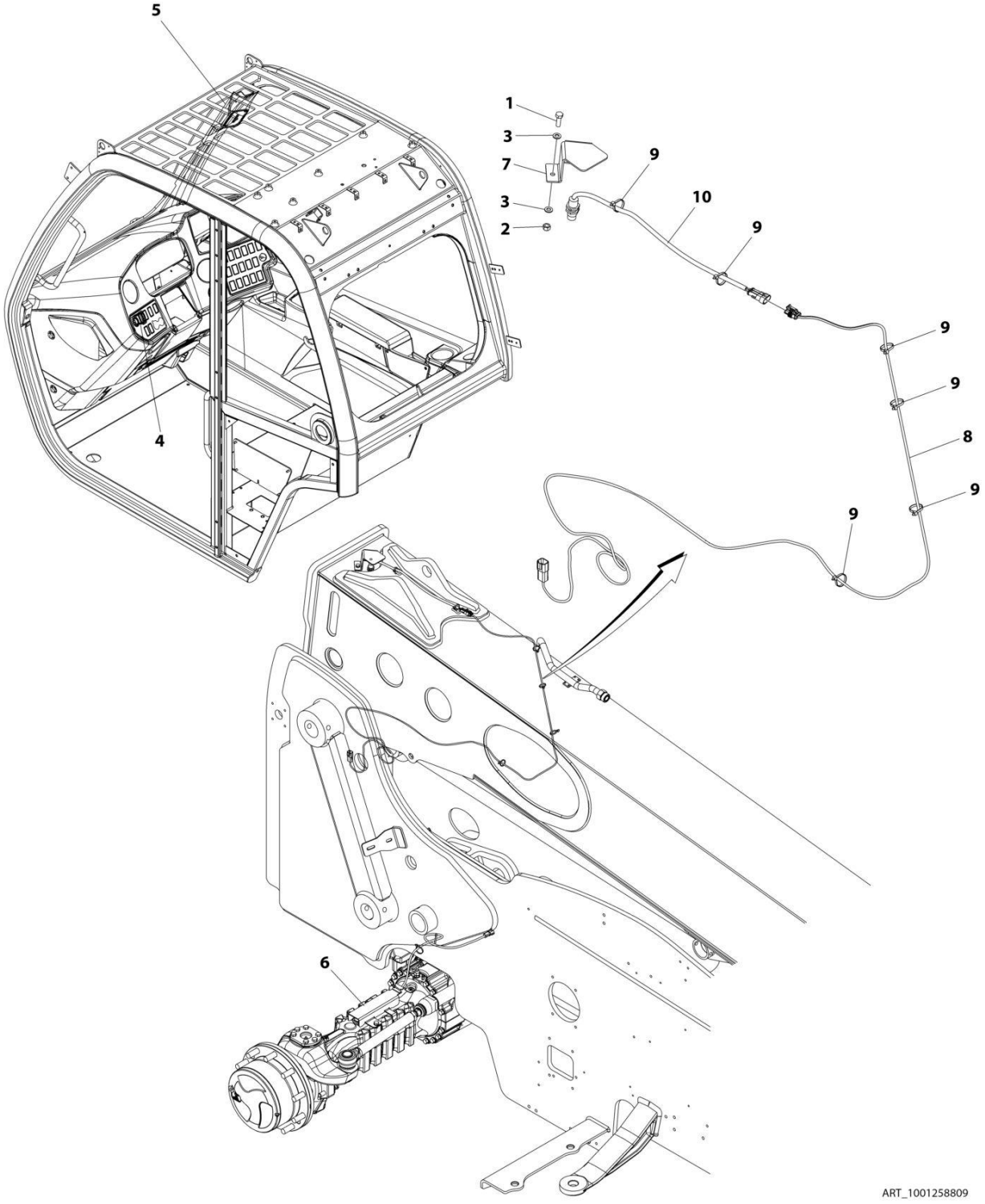


FIGURE 6-15. LSI EMCLOSED CAB INSTALLATION

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

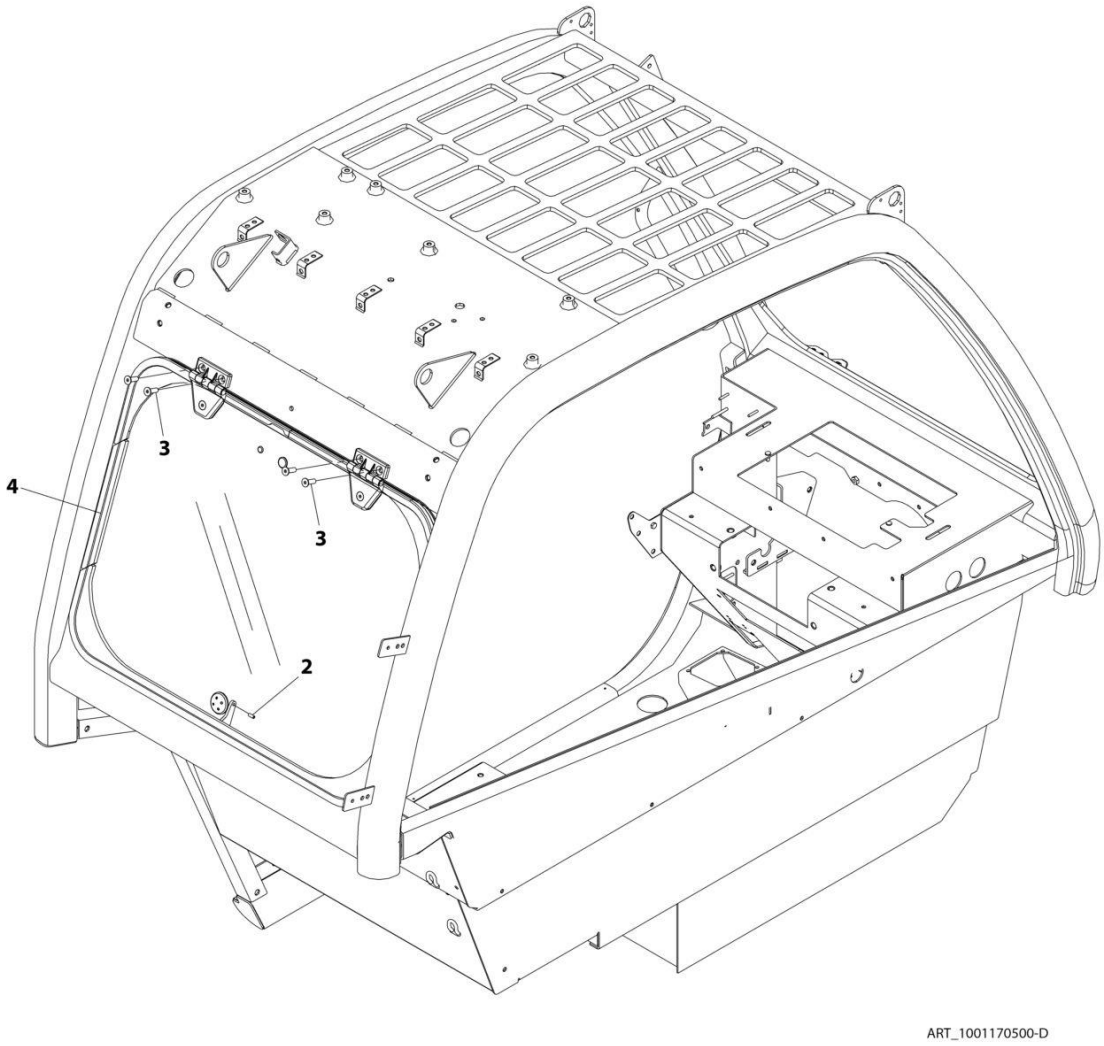
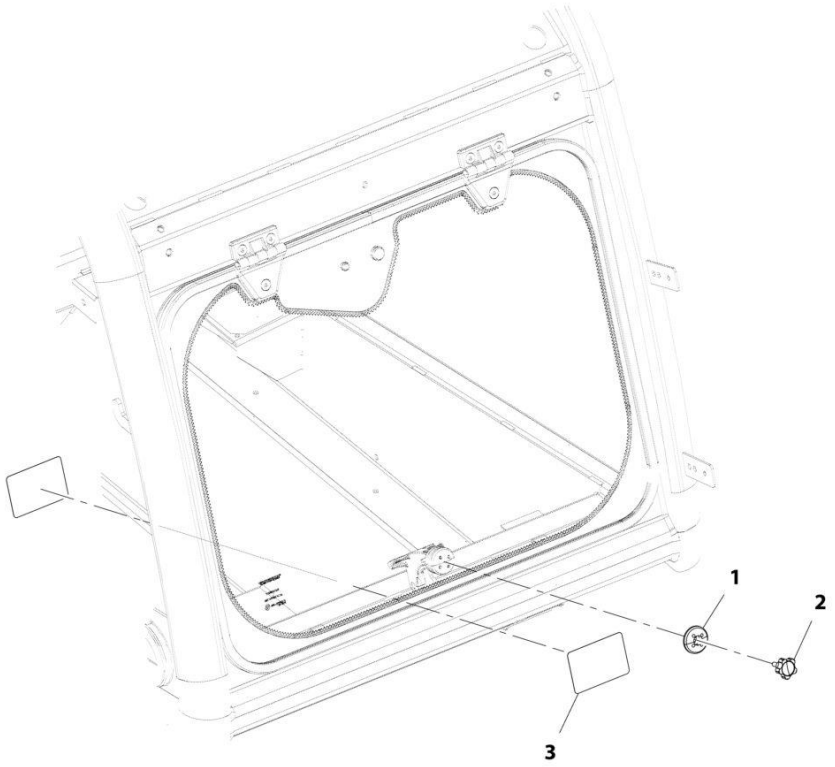


FIGURE 6-16. REAR WINDOW INSTALLATION

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)

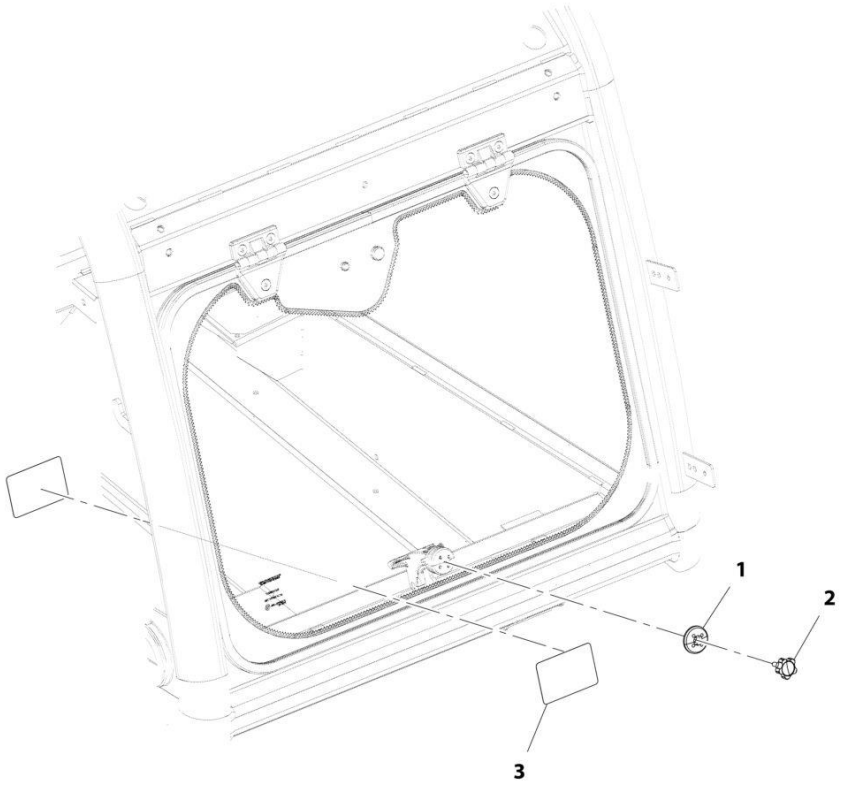


ART_1001212047-A

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)

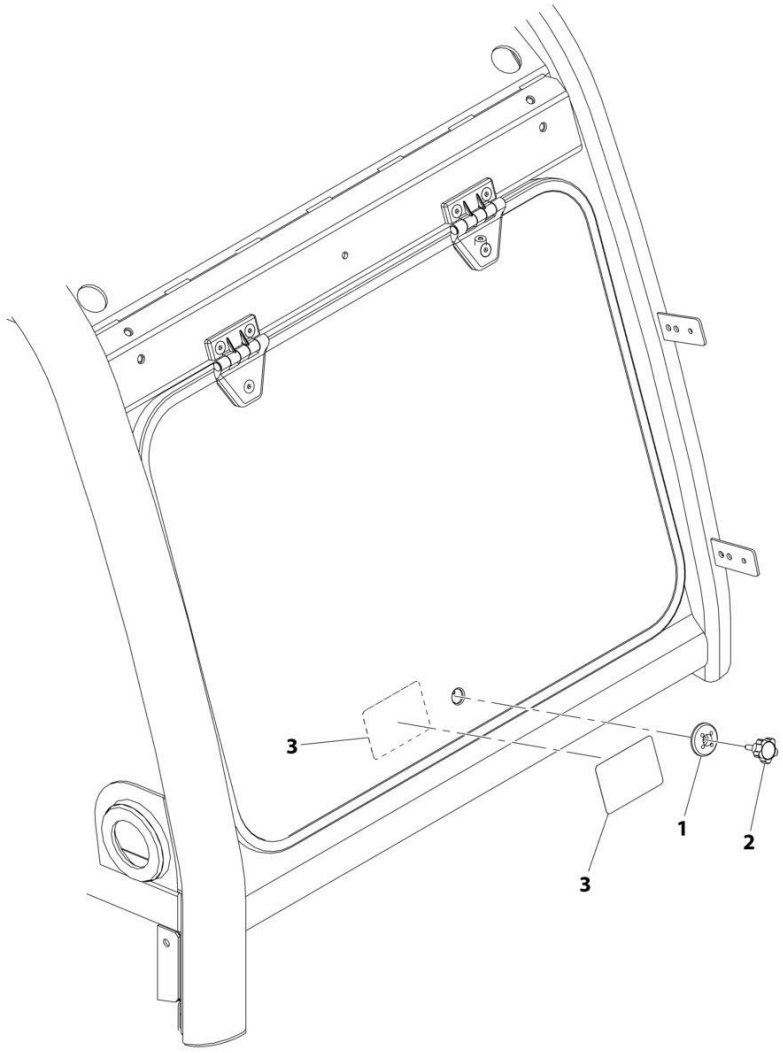


ART_1001212048-A

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

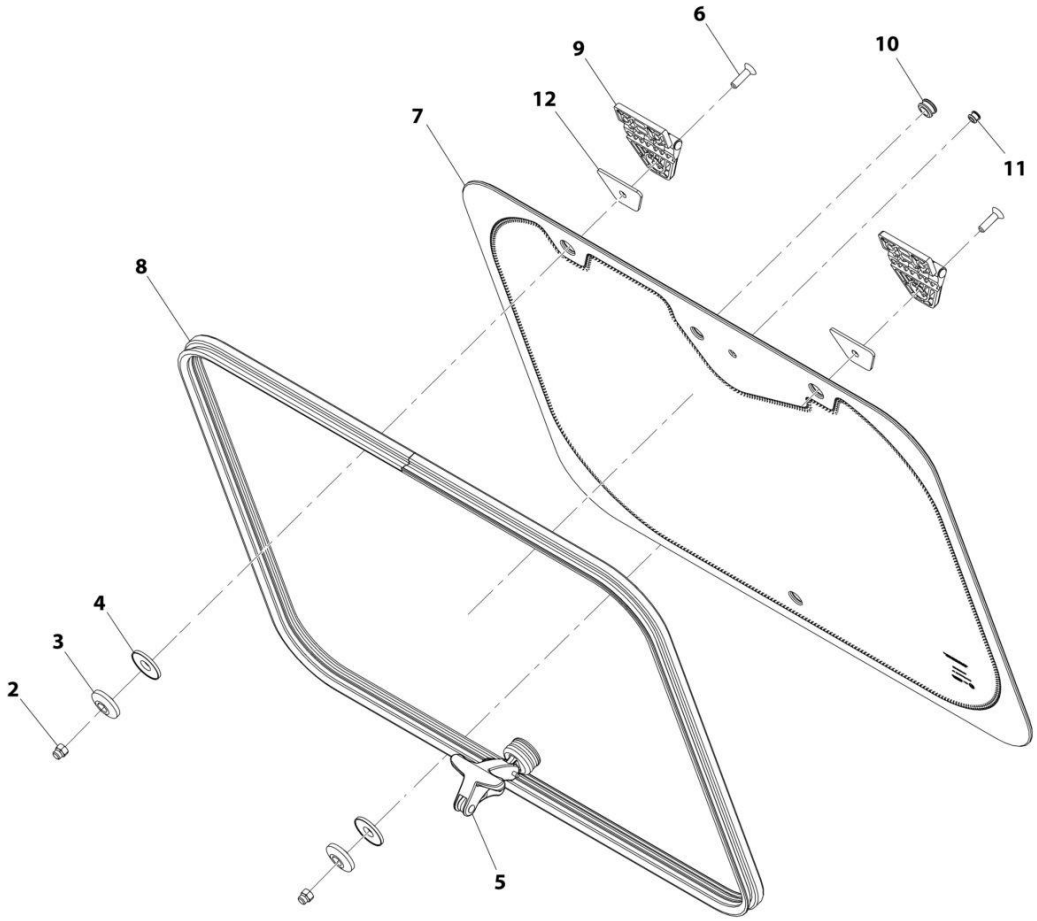


FIGURE 6-20. REAR WINDOW ASSEMBLY

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

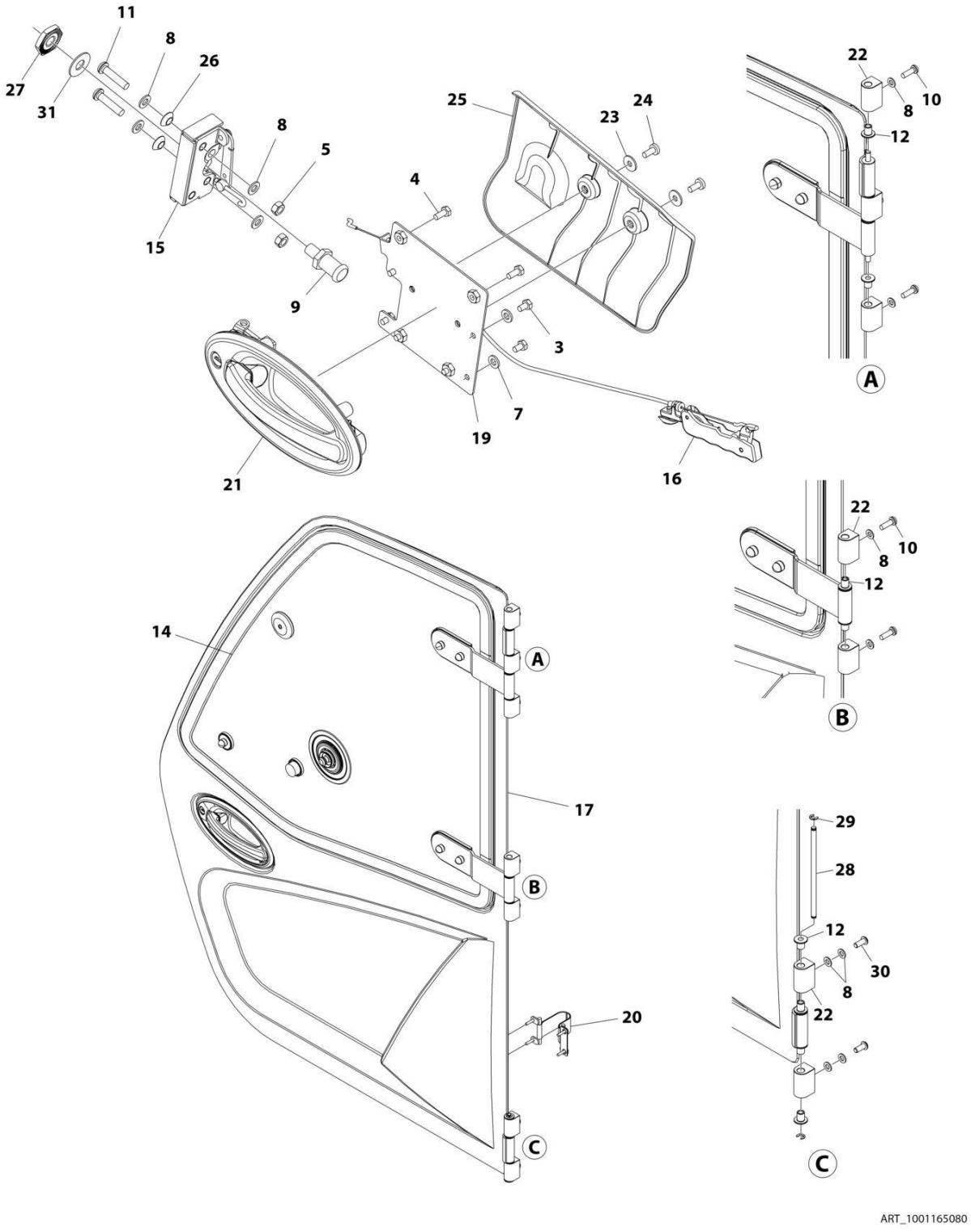


FIGURE 6-21. DOOR INSTALLATION

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

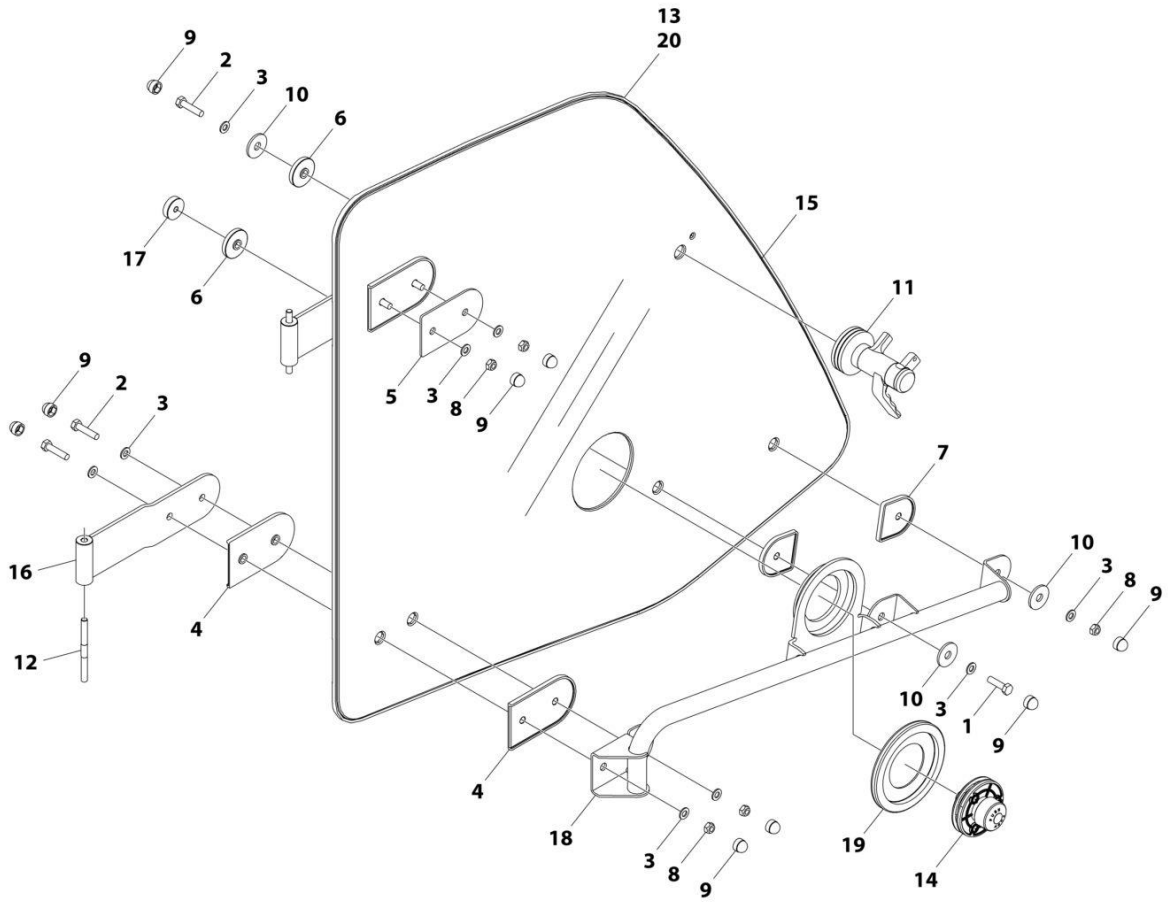


FIGURE 6-22. DOOR UPPER GLASS ASSEMBLY

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

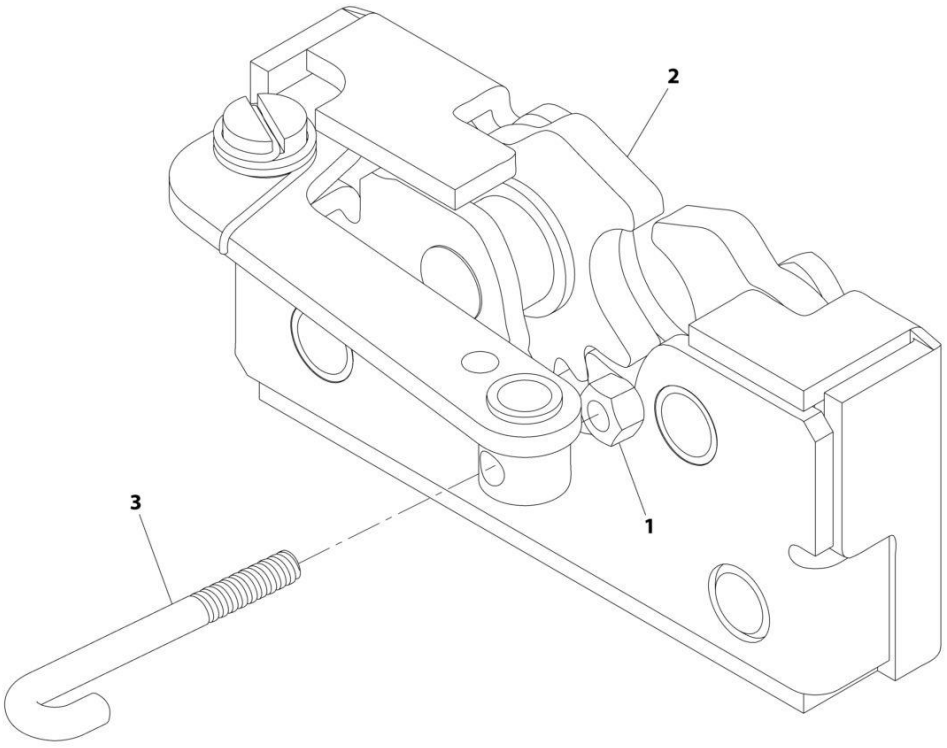


FIGURE 6-23. CAB LATCH ASSEMBLY

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

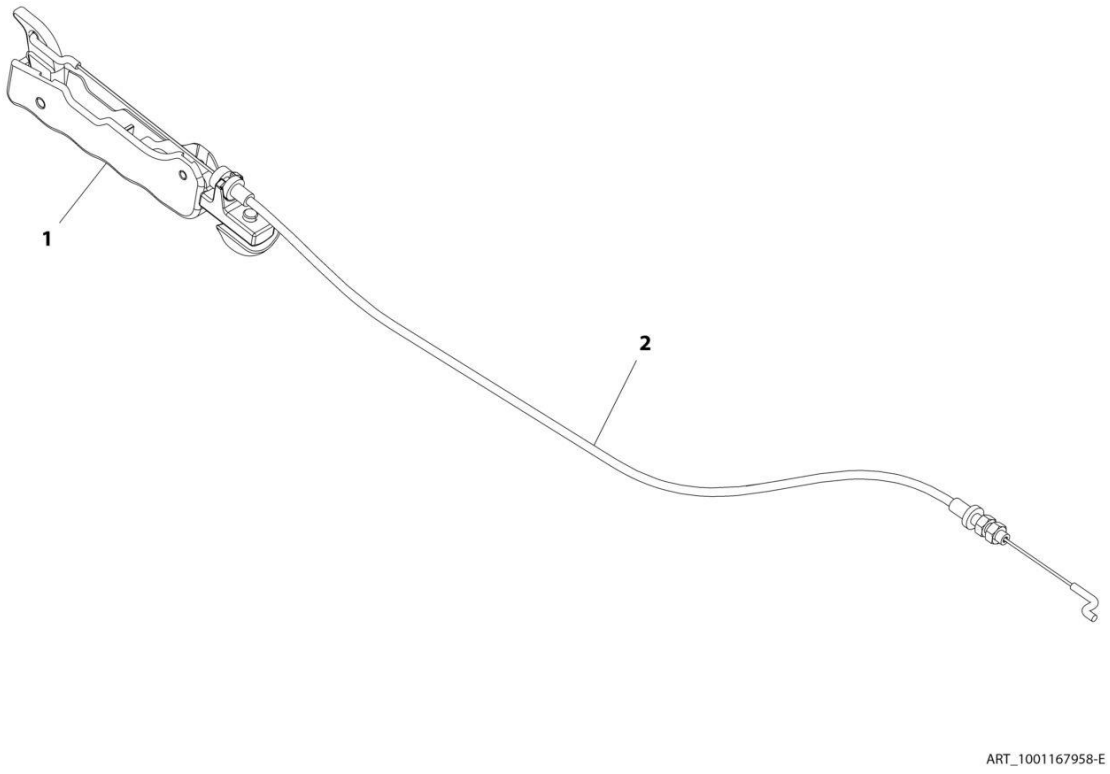


FIGURE 6-24. CAB DOOR TRIGGER ASSEMBLY

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

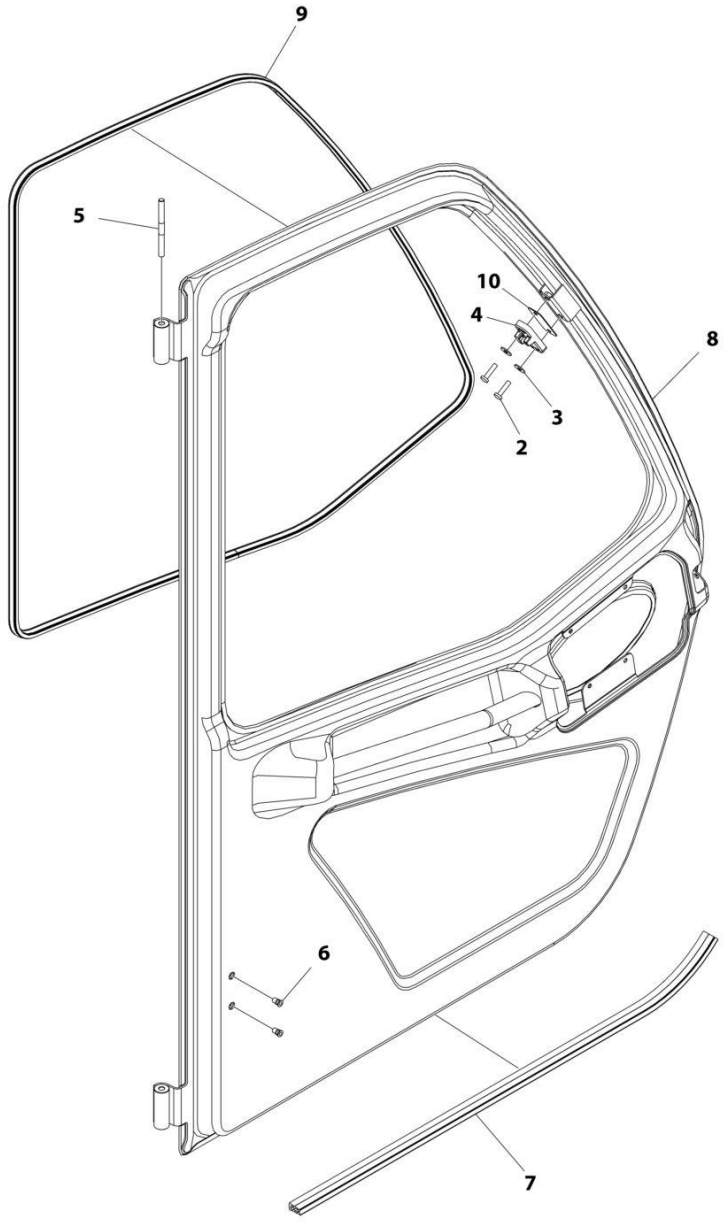


FIGURE 6-25. DOOR ASSEMBLY

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

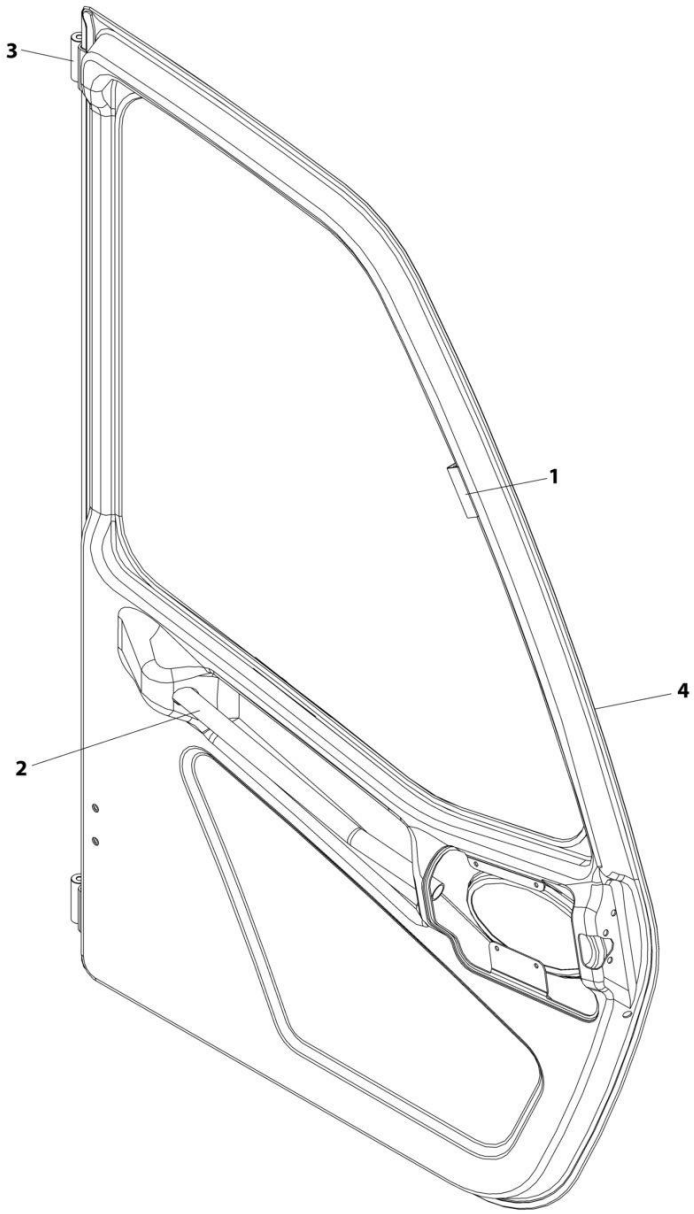


FIGURE 6-26. CAB DOOR

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

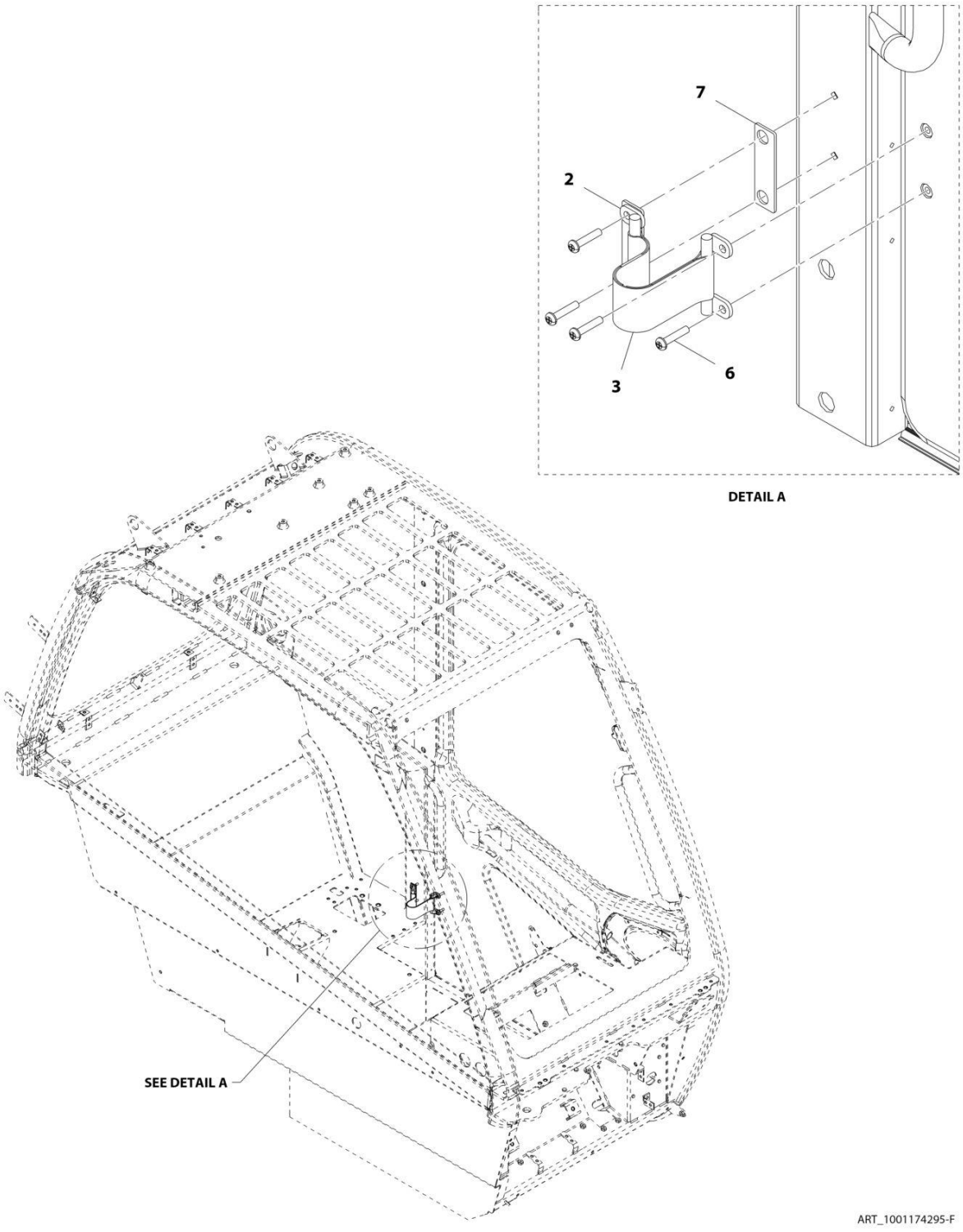


FIGURE 6-27. DOOR STRAP INSTALLATION

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

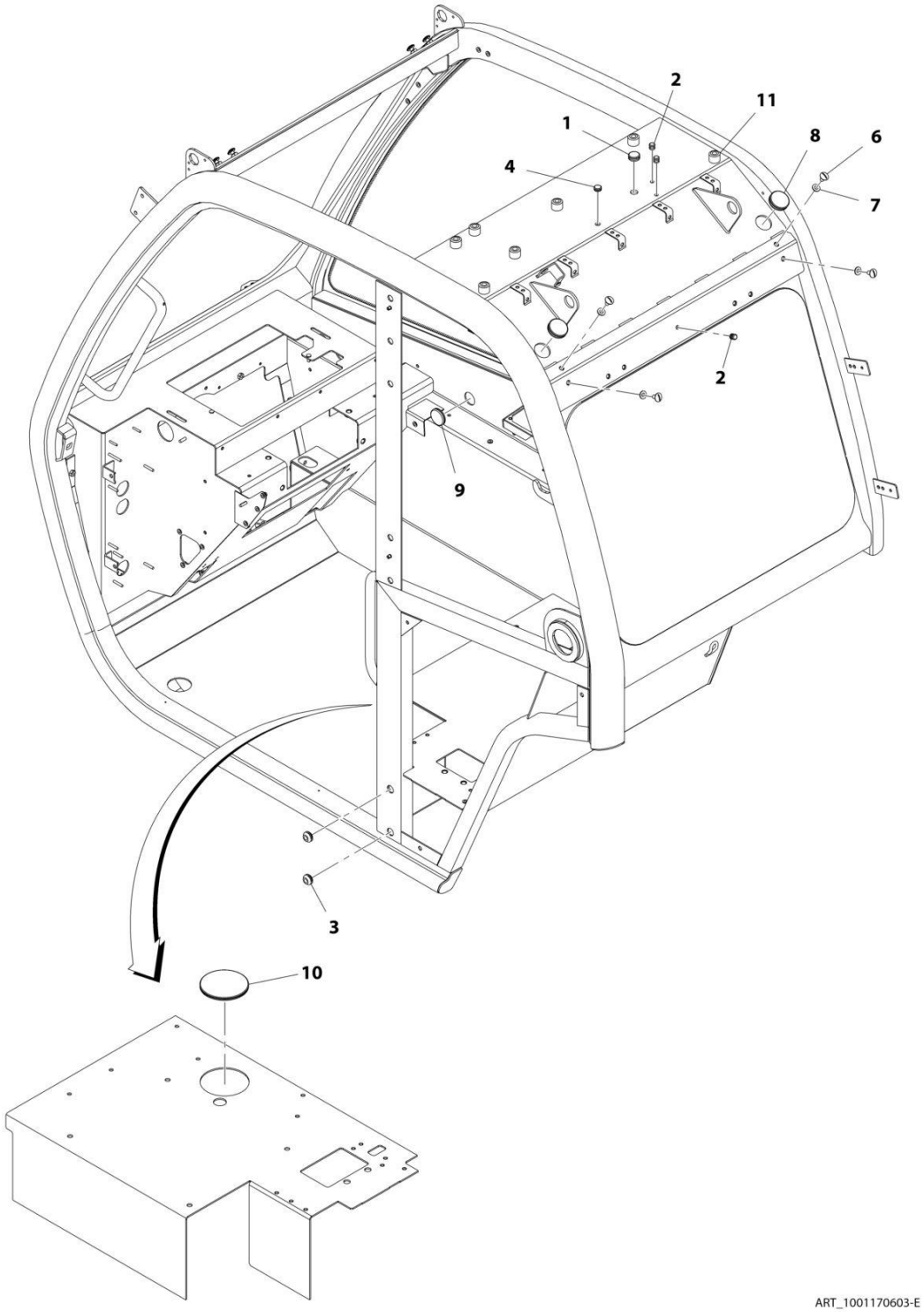


FIGURE 6-28. ENCLOSED CAB PLUG GROUP

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)

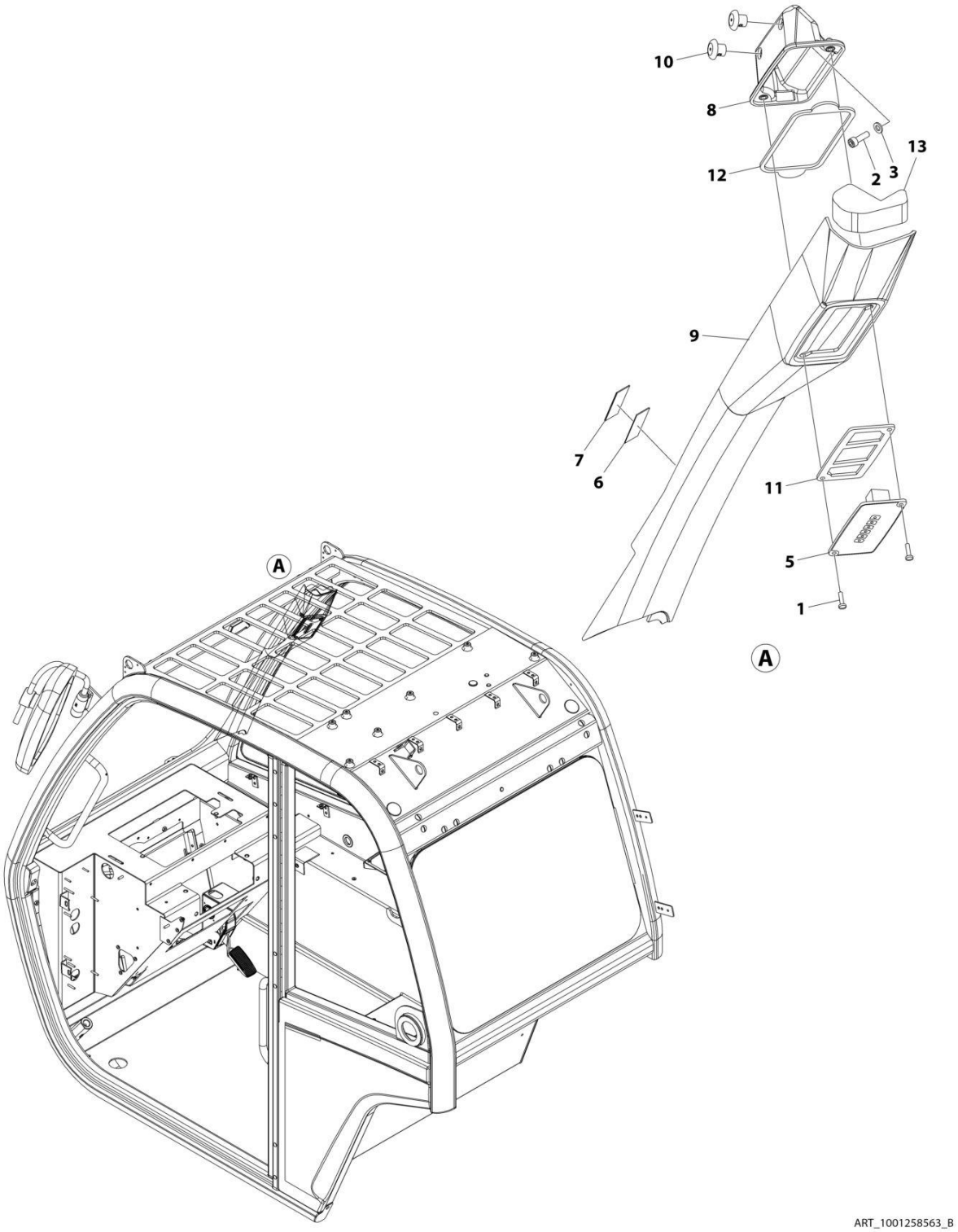


FIGURE 6-29. LSI DISPLAY INSTALLATION (OPEN CAB)

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)

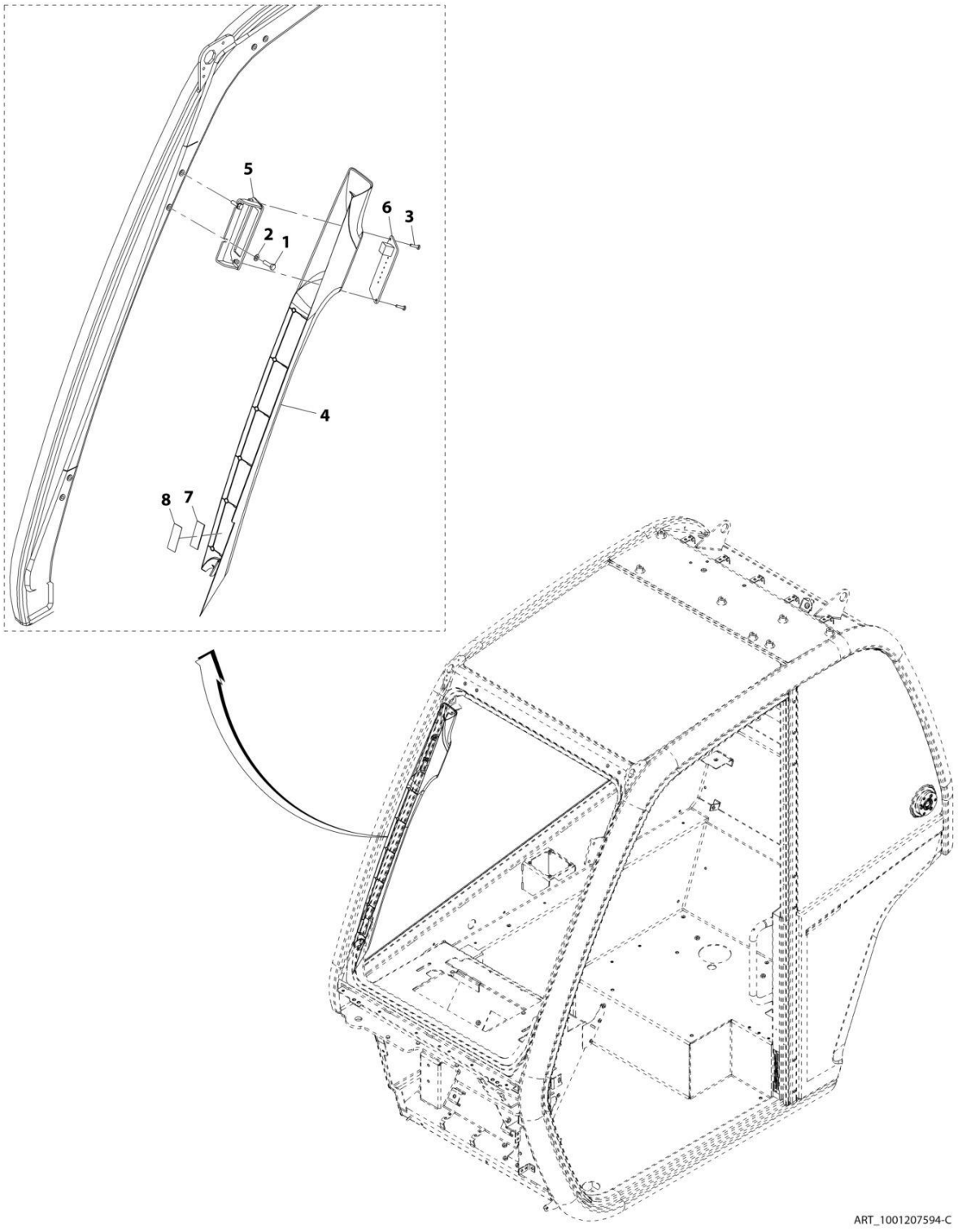


FIGURE 6-30. LSI DISPLAY INSTALLATION (ENCLOSED CAB)

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

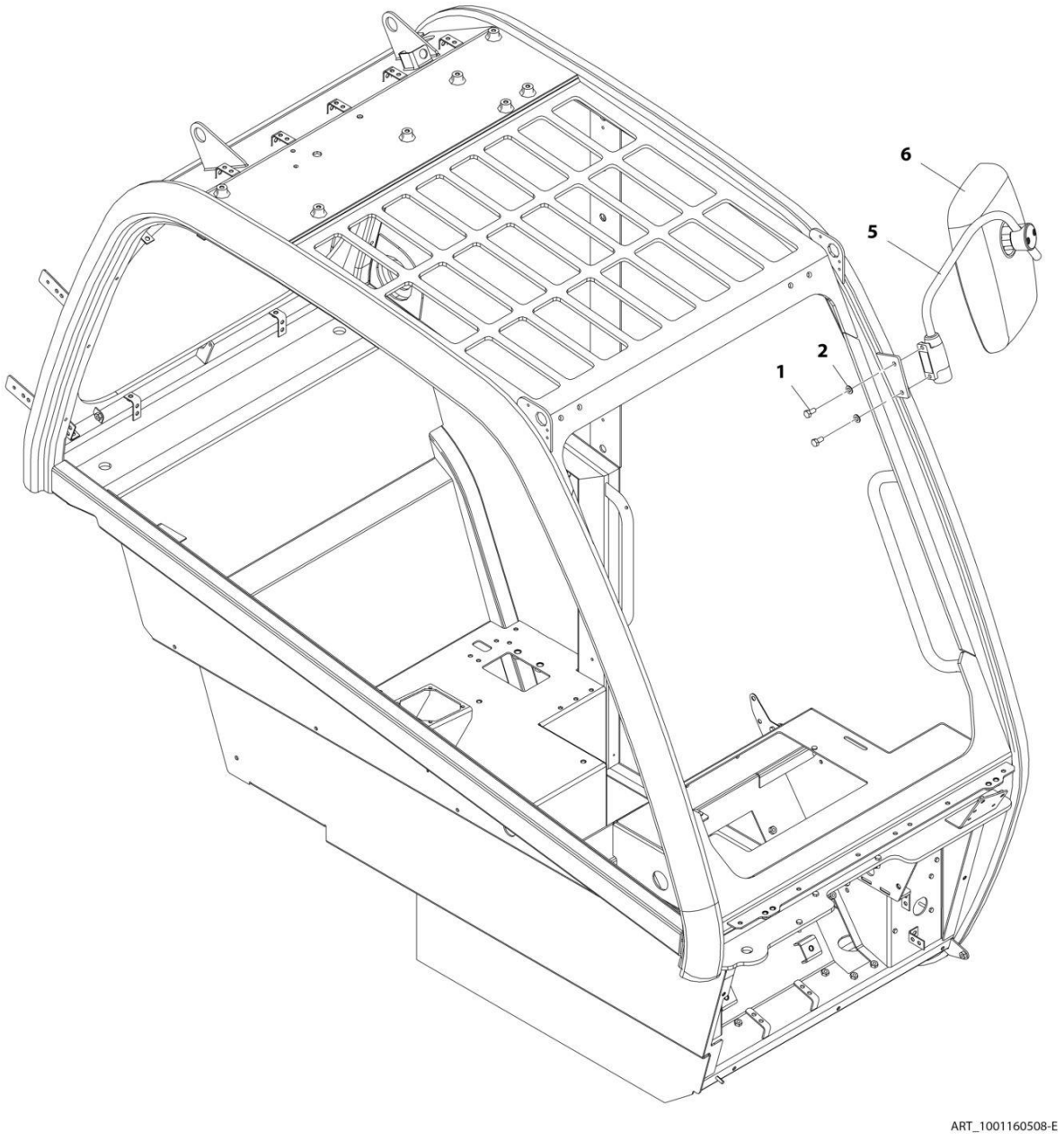


FIGURE 6-31. BASIC MIRROR INSTALLATION

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

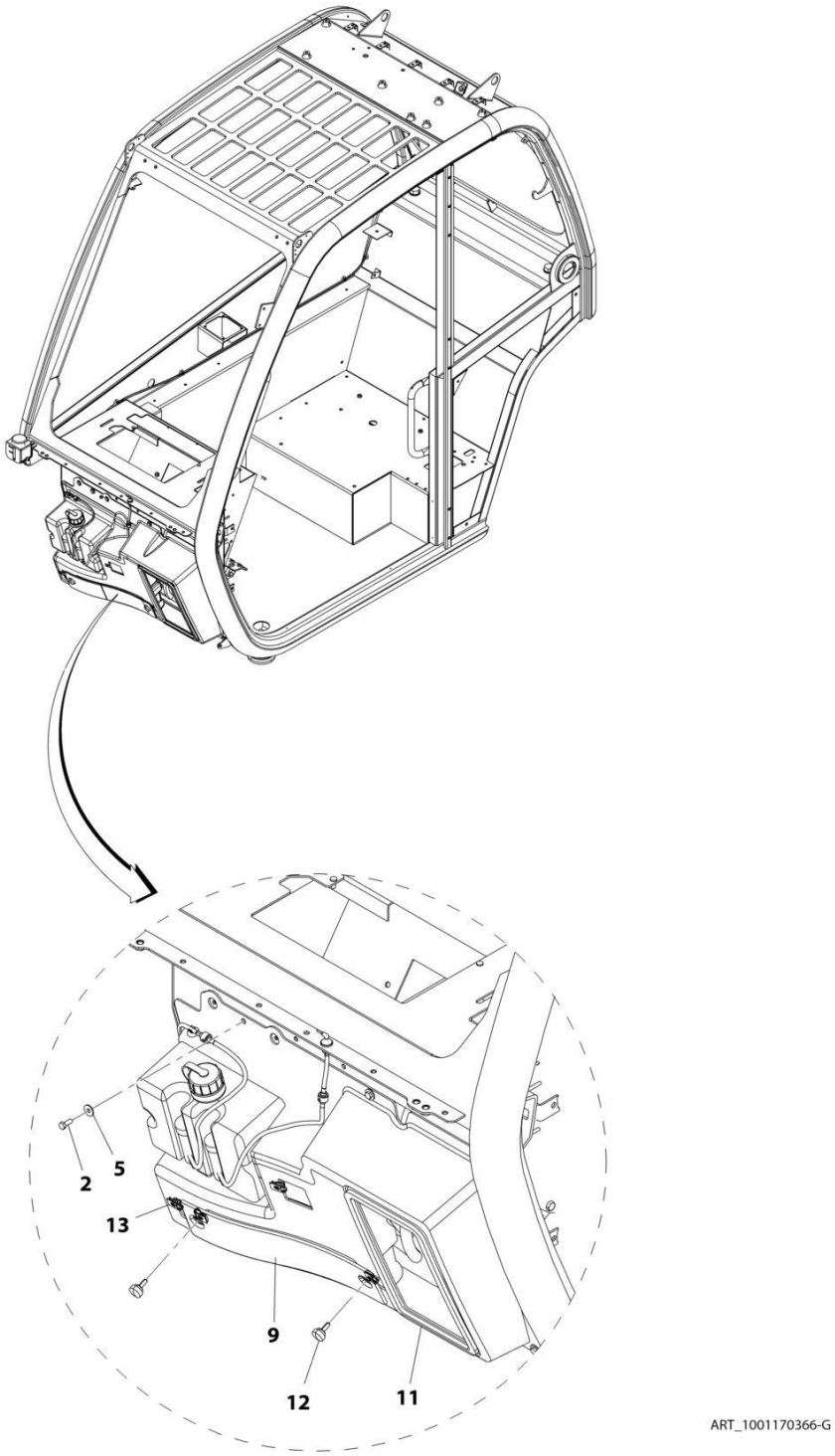


FIGURE 6-32. FRONT COVER INSTALLATION

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

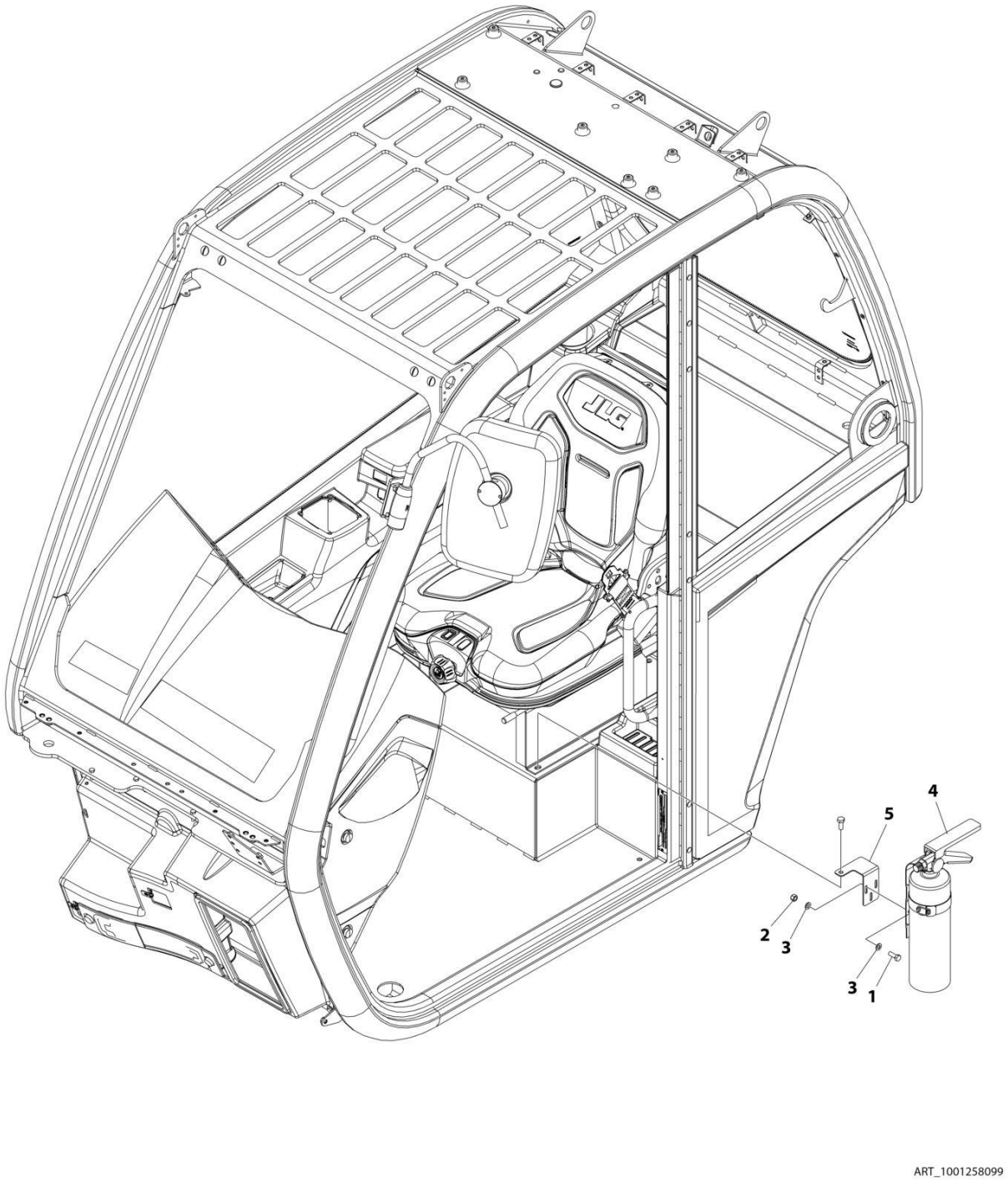
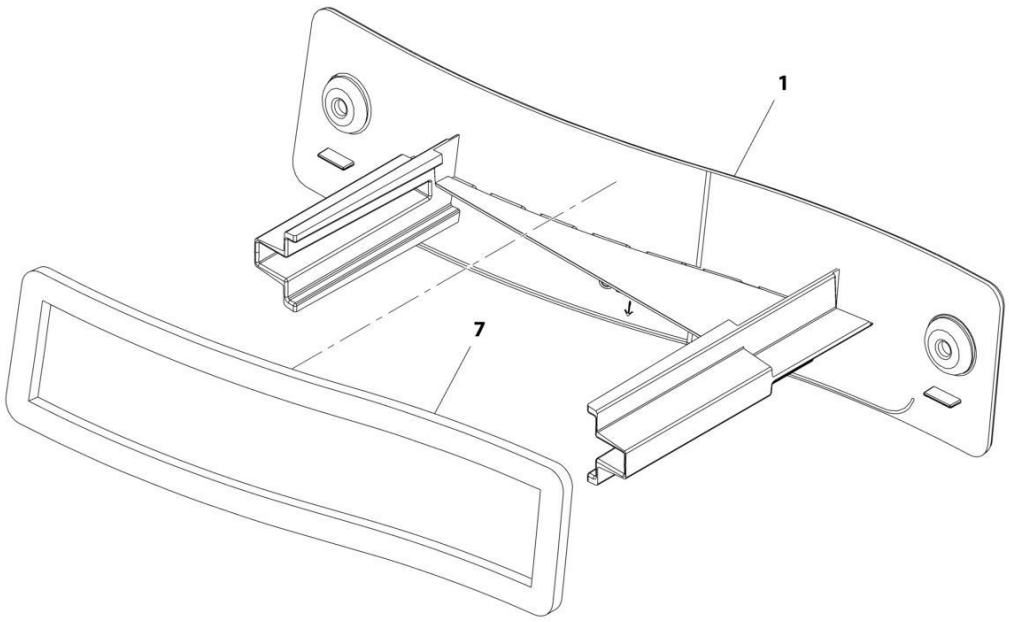


FIGURE 6-33. FIRE EXTINGUISHER INSTALLATION

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

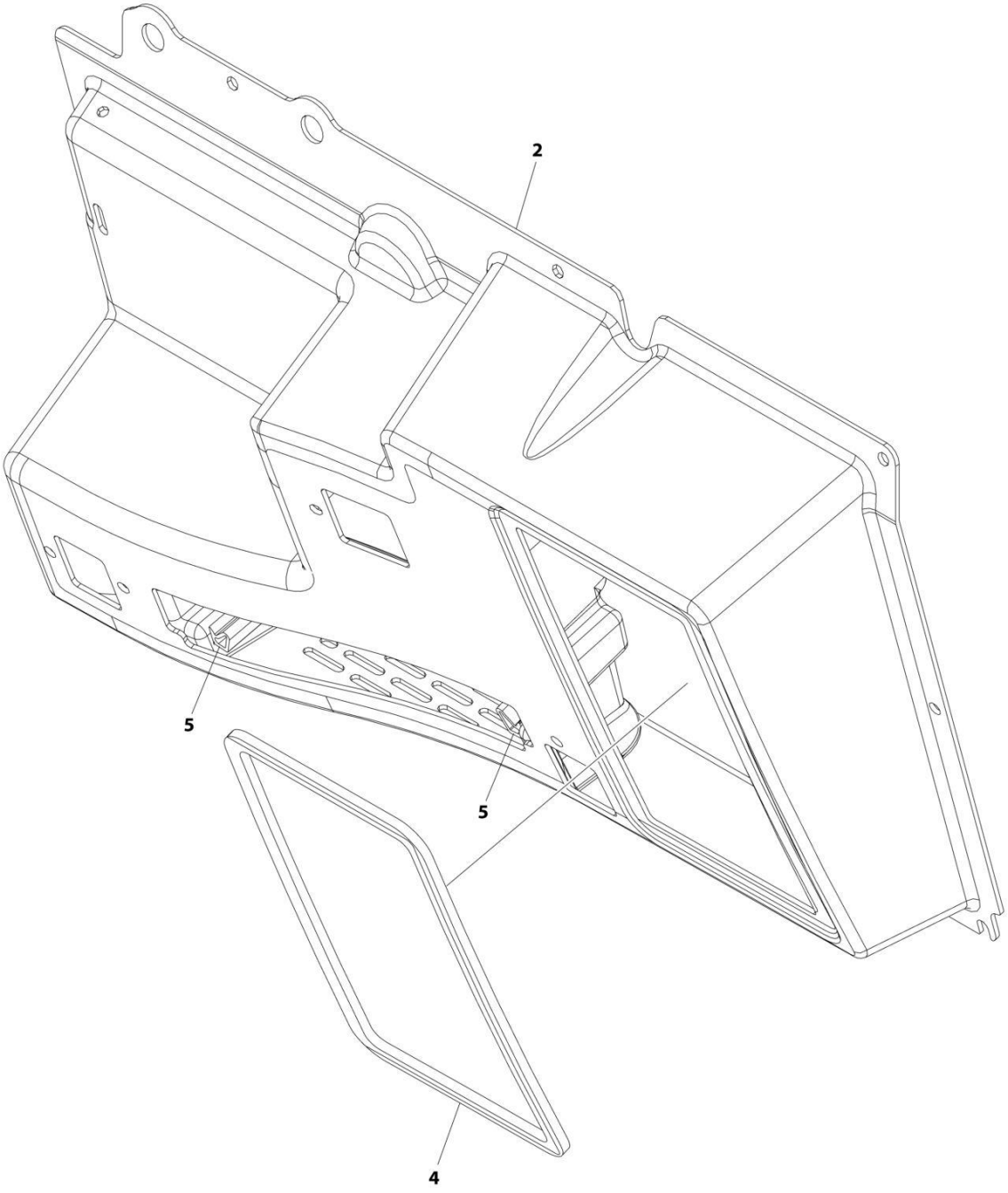


FIGURE 6-35. FRONT DUCT COVER

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

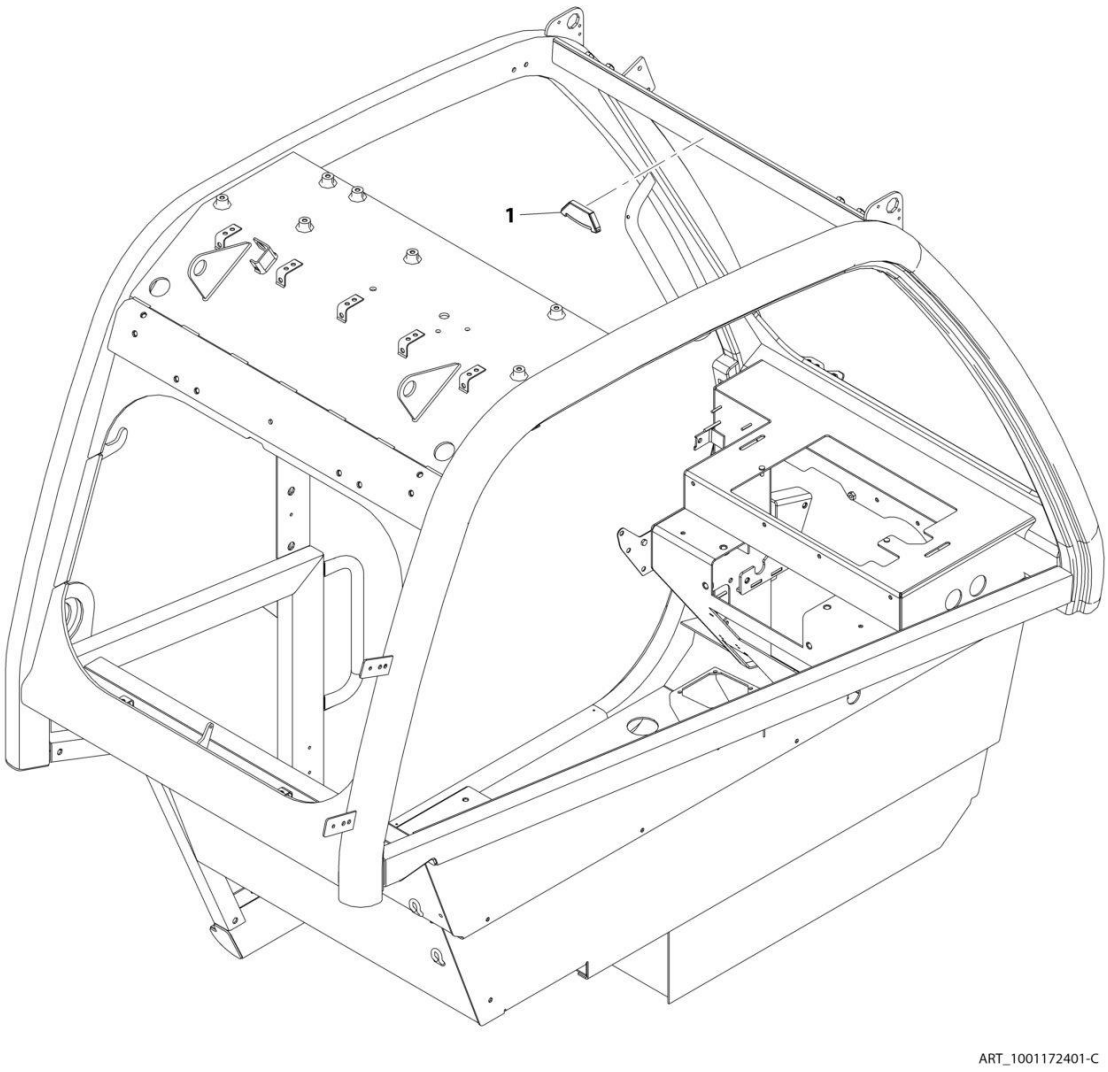


FIGURE 6-36. LEVEL INDICATOR INSTALLATION

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

FIGURE 6-37. SEAT INSTALLATION - CLOTH

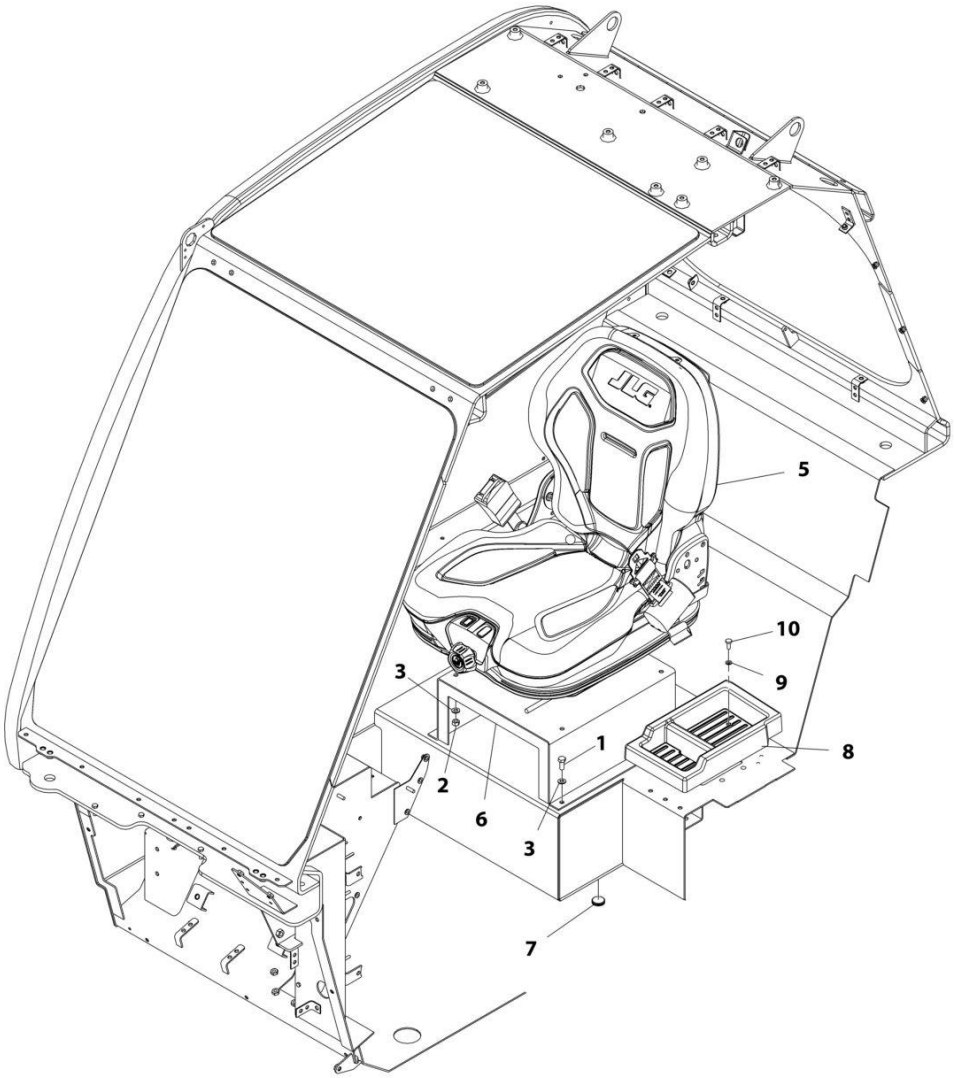


FIGURE 6-37. SEAT INSTALLATION - CLOTH

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 - VINYL

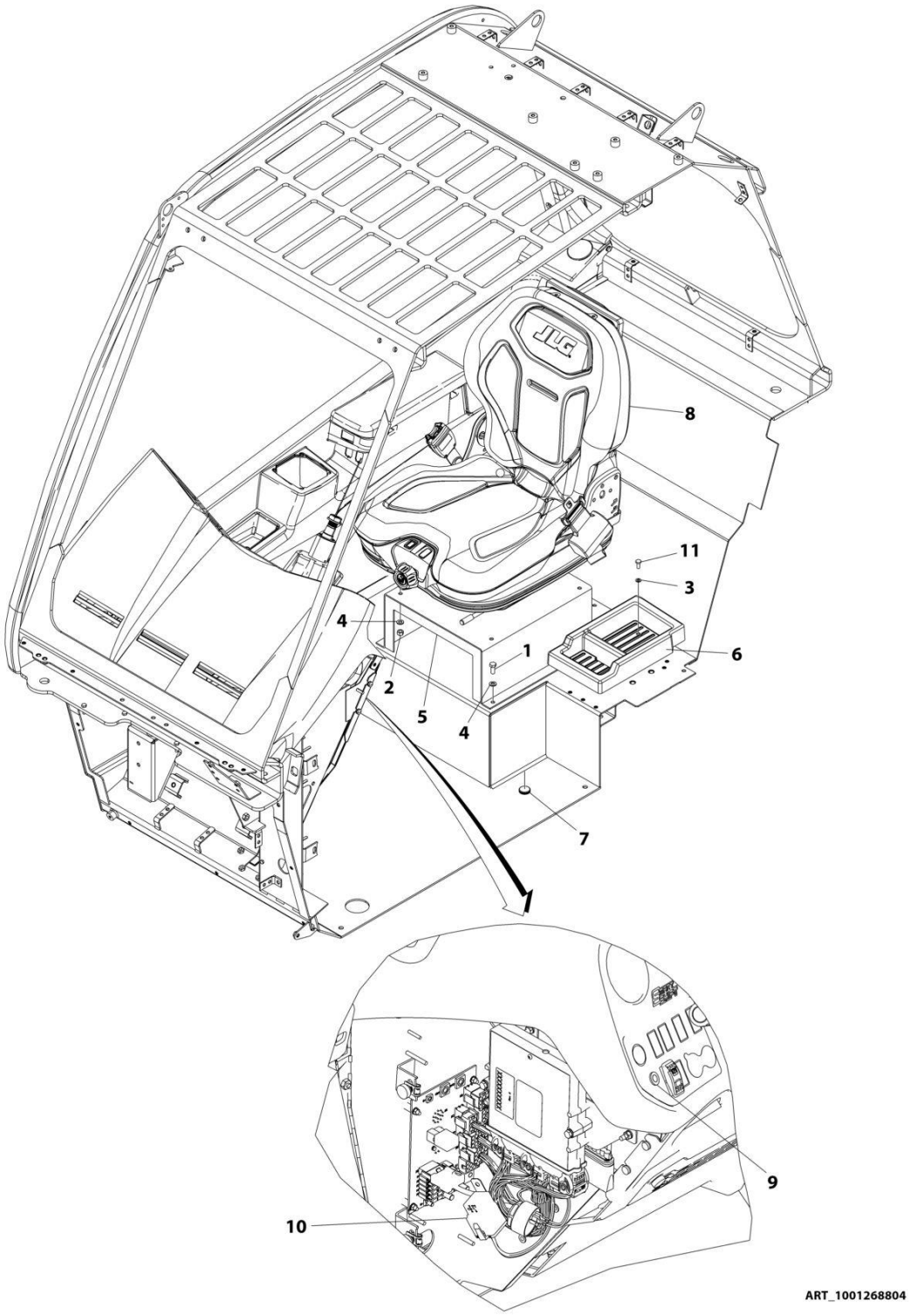


FIGURE 6-38. SEAT INSTALLATION - VINYL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268804	Ref	Vinyl Seat installation	A
1	0760810	1	Bolt M8X20	
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	1001264612	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 M6X16	

FIGURE 6-39. SEAT ASSEMBLY - CLOTH

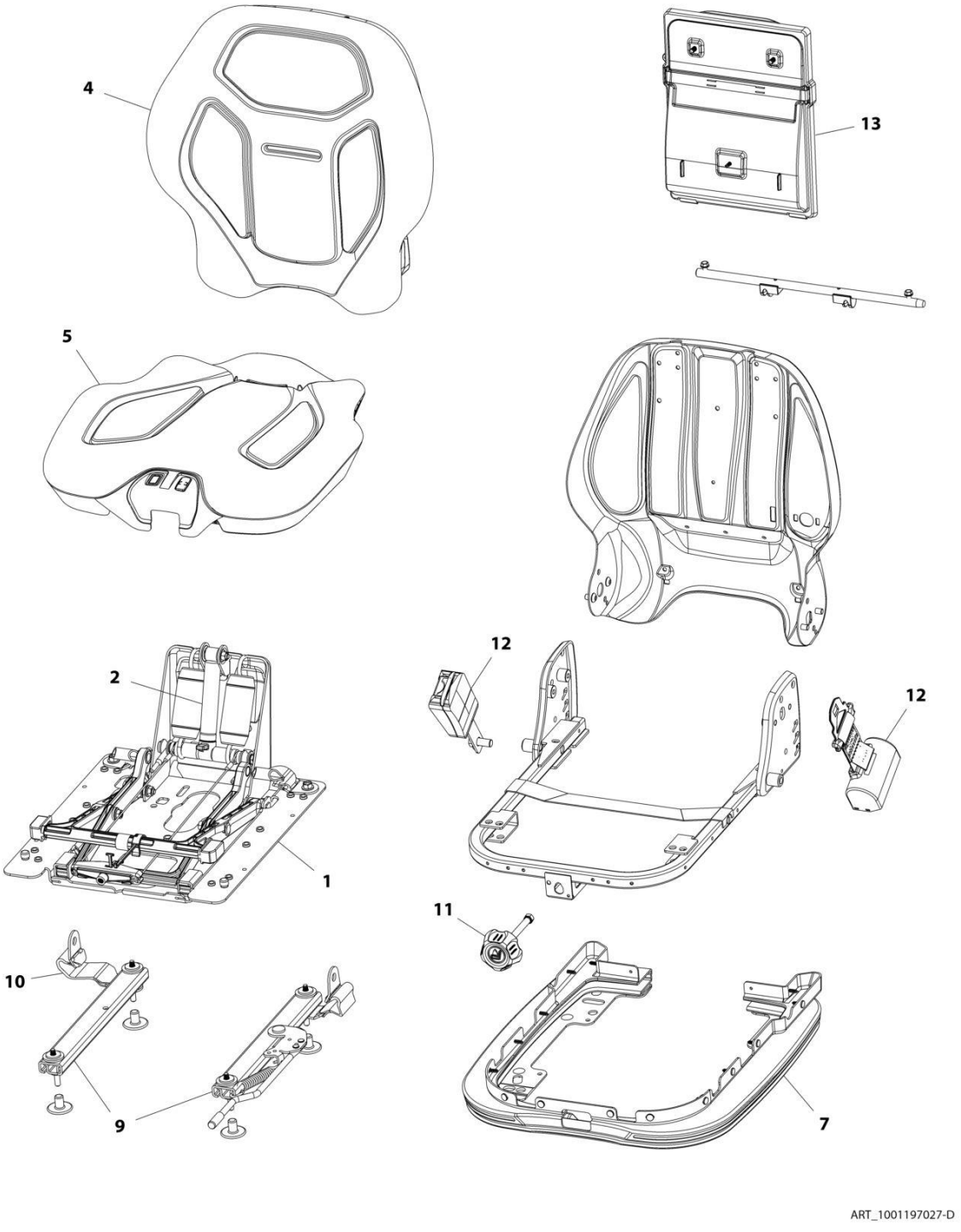


FIGURE 6-39. SEAT ASSEMBLY - CLOTH

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 6-40. SEAT ASSEMBLY – VINYL

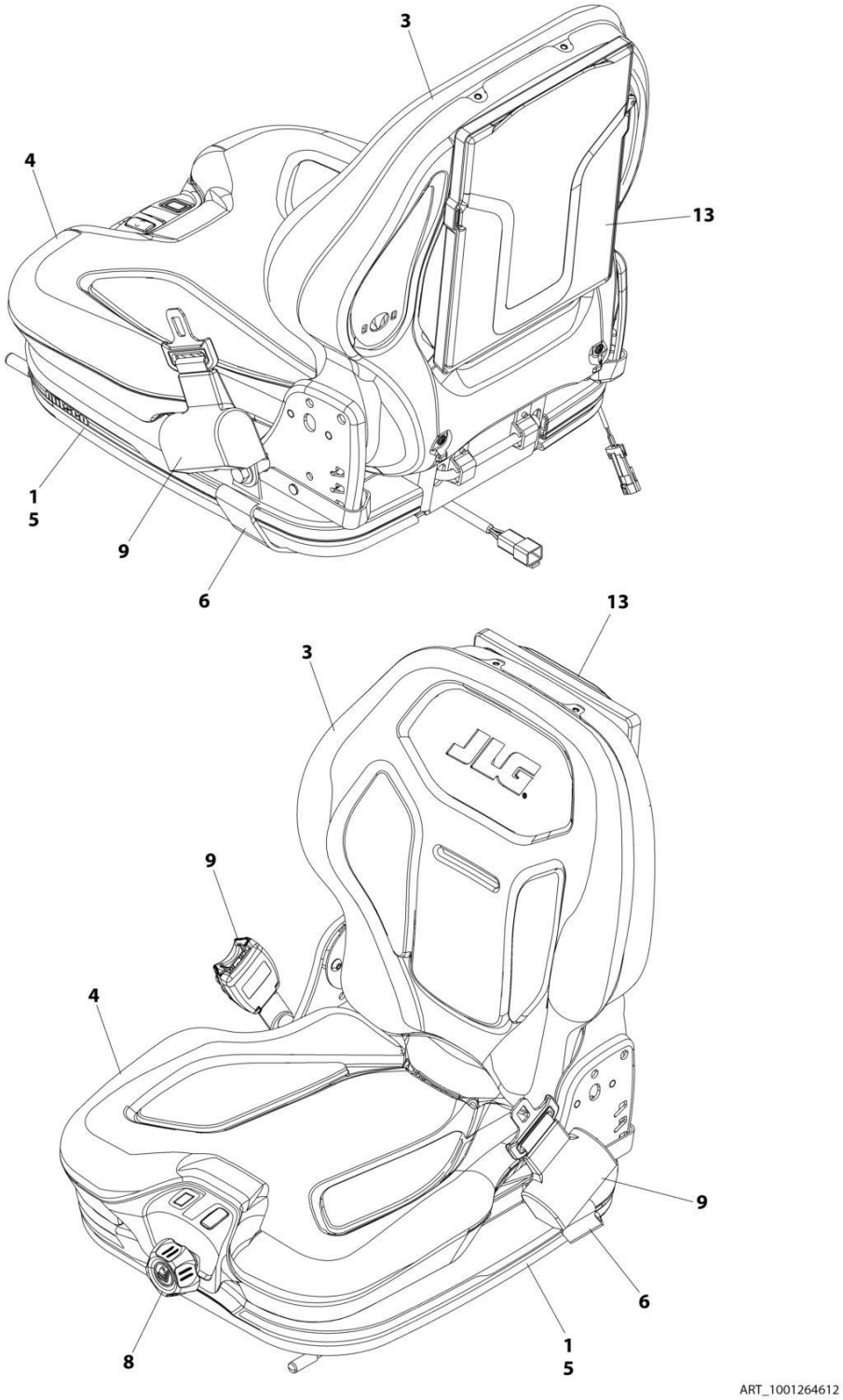


FIGURE 6-40. SEAT ASSEMBLY – VINYL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264612	Ref	SEAT ASSEMBLY – VINYL	A
1	70027024	1	Suspension Assembly Kit (Also Includes Saddle Spring and Shock Pin)	
3	70027026	1	Back Cushion Kit (Includes Attaching Hardware)	
4	70027028	1	Seat Cushion Assembly (Including Attaching Hardware)	
5	7026798	1	Slide Kit (Includes Adjuster Slave Adjuster and Mouniting Hardware)	
6	70027032	1	Tether Strap	
7	70027030	1	Boot Kit (Not Shown)	
8	70027033	1	Knob Kit - Weight Adjustment (Includes Knob & Aadjusting Yoke)	
9	70027034	1	Seat Belt Kit (Includes Mounting Hardware)	
13	70027035	1	Manual Holder Kit (Includes Box & Clips)	
14	70029027	1	Arm Rest Assembly (RH) (Not Shown)	

FIGURE 6-41. SEAT BELT INSTALLATION (3 INCH)

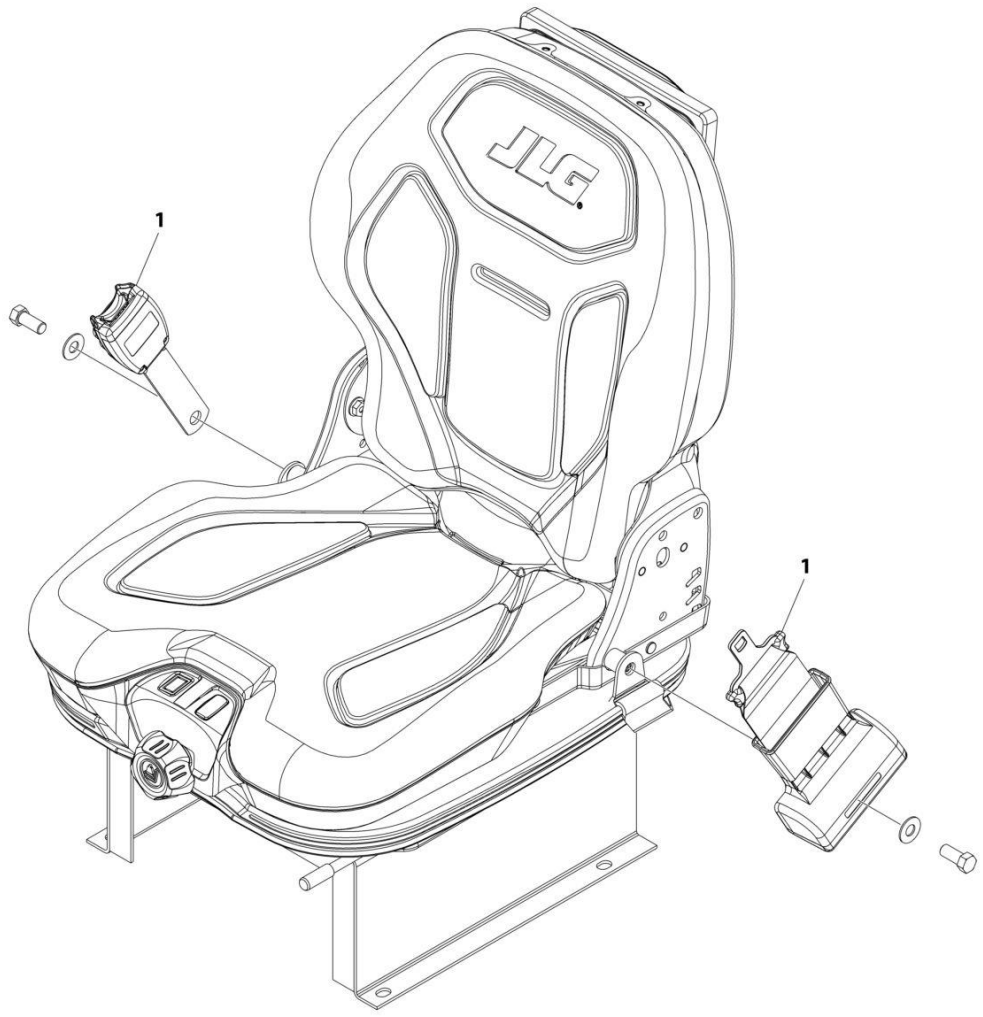


FIGURE 6-41. SEAT BELT INSTALLATION (3 INCH)

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 6-42. HEATER INSTALLATION

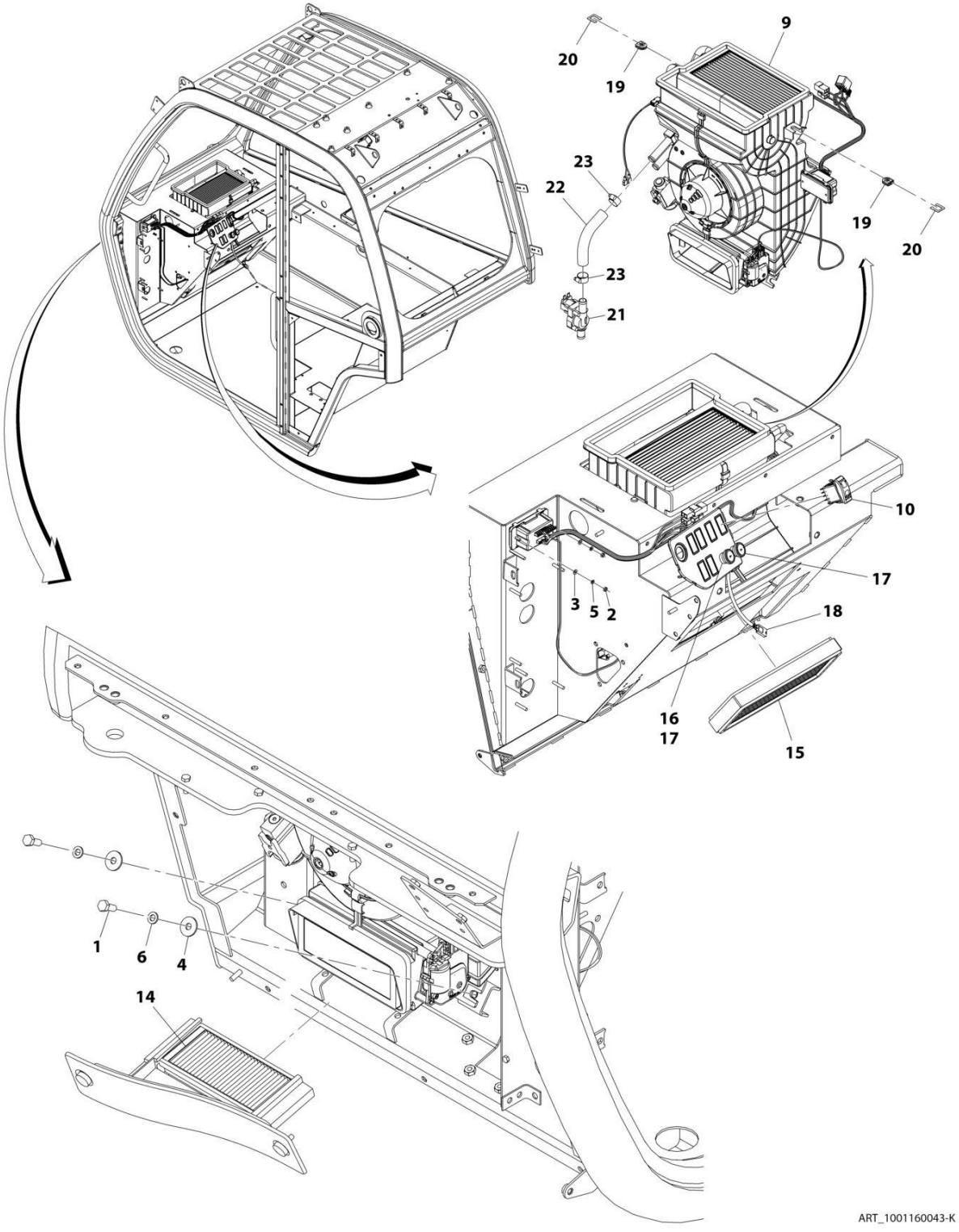
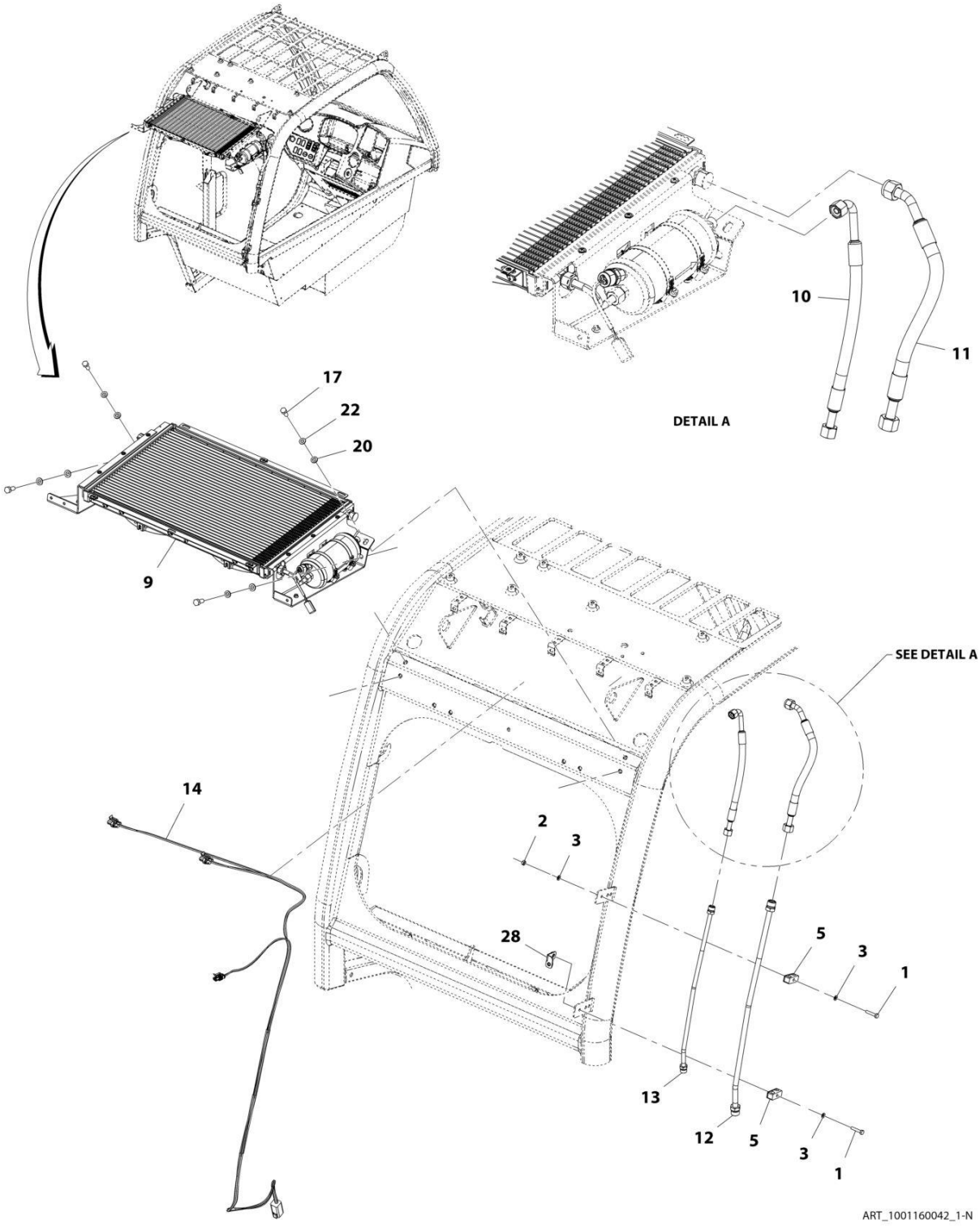


FIGURE 6-42. HEATER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160043	Ref	Heater Installation	K
1	0760810	2	Bolt, M8X20	
2	3290401	2	Nut, M4X0.7	
3	4811400	2	Washer, M4	
4	4811902	2	Washer, M8	
5	4831400	2	Washer, Lock M4	
6	4831900	2	Washer, M8	
9	1001161858	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	1001218529	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 6-43. HEATER AND A/C INSTALLATION (CAB PARTS)



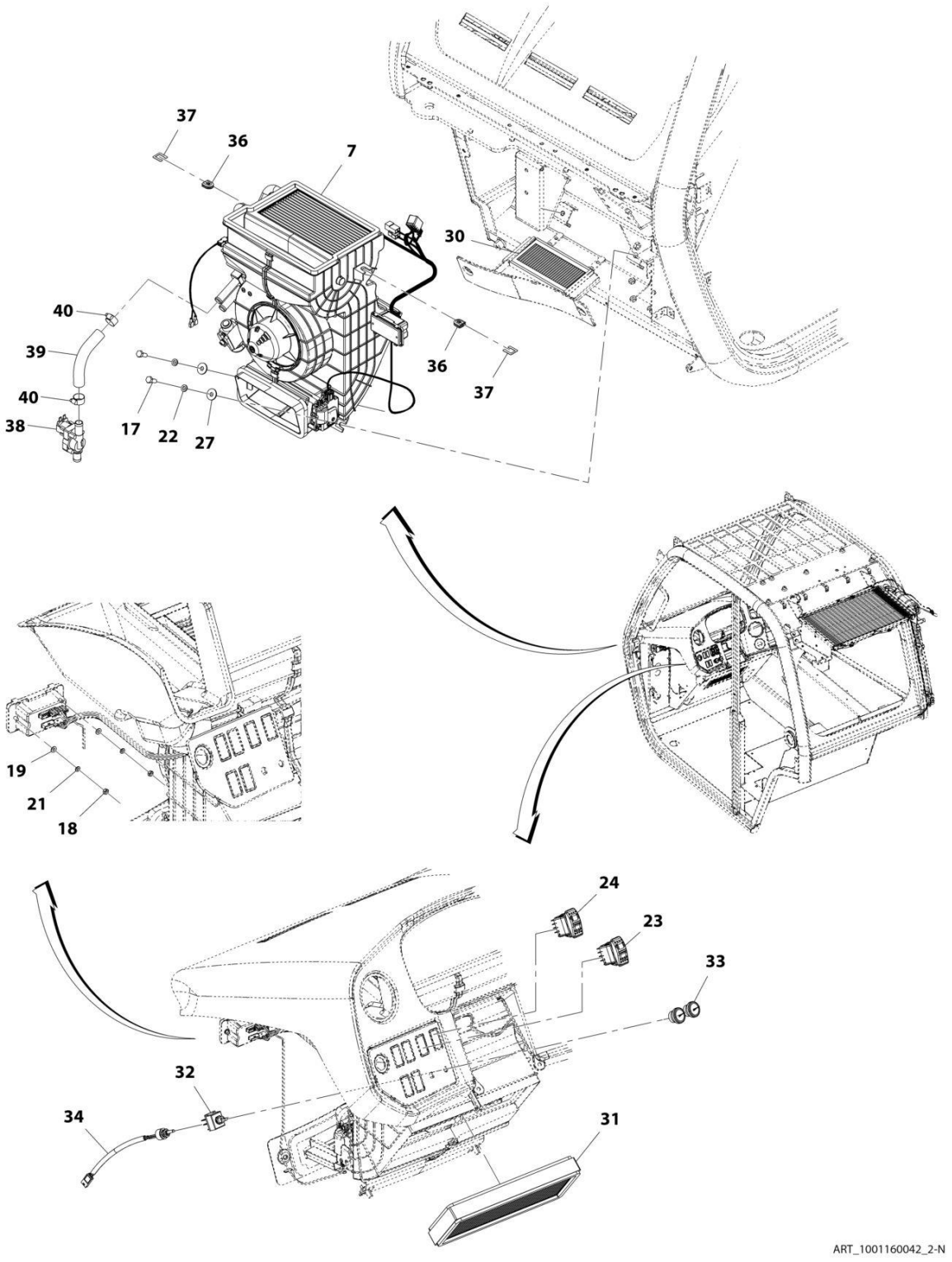

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ART_1001160042_2-N

FIGURE 6-43. HEATER AND A/C INSTALLATION (CAB PARTS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160042	Ref	Heater and A/C Installation (Cab Parts)	N
1	0700614	2	Bolt, M6X30	
2	3290601	1	Nut, M6X1	
3	4811700	3	Washer, M6	
5	1001145539	2	Support, Pipe	
7	1001188303	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, M8X20 GR8.8	
18	3290401	2	Nut, M4X0.7	
19	4811400	2	Washer, M4	
20	4811900	4	Washer, M8	
21	4831400	2	Washer, Lock M4	
22	4831900	6	Washer, Lock 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	1001218529	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 6-44. HEATER ASSEMBLY

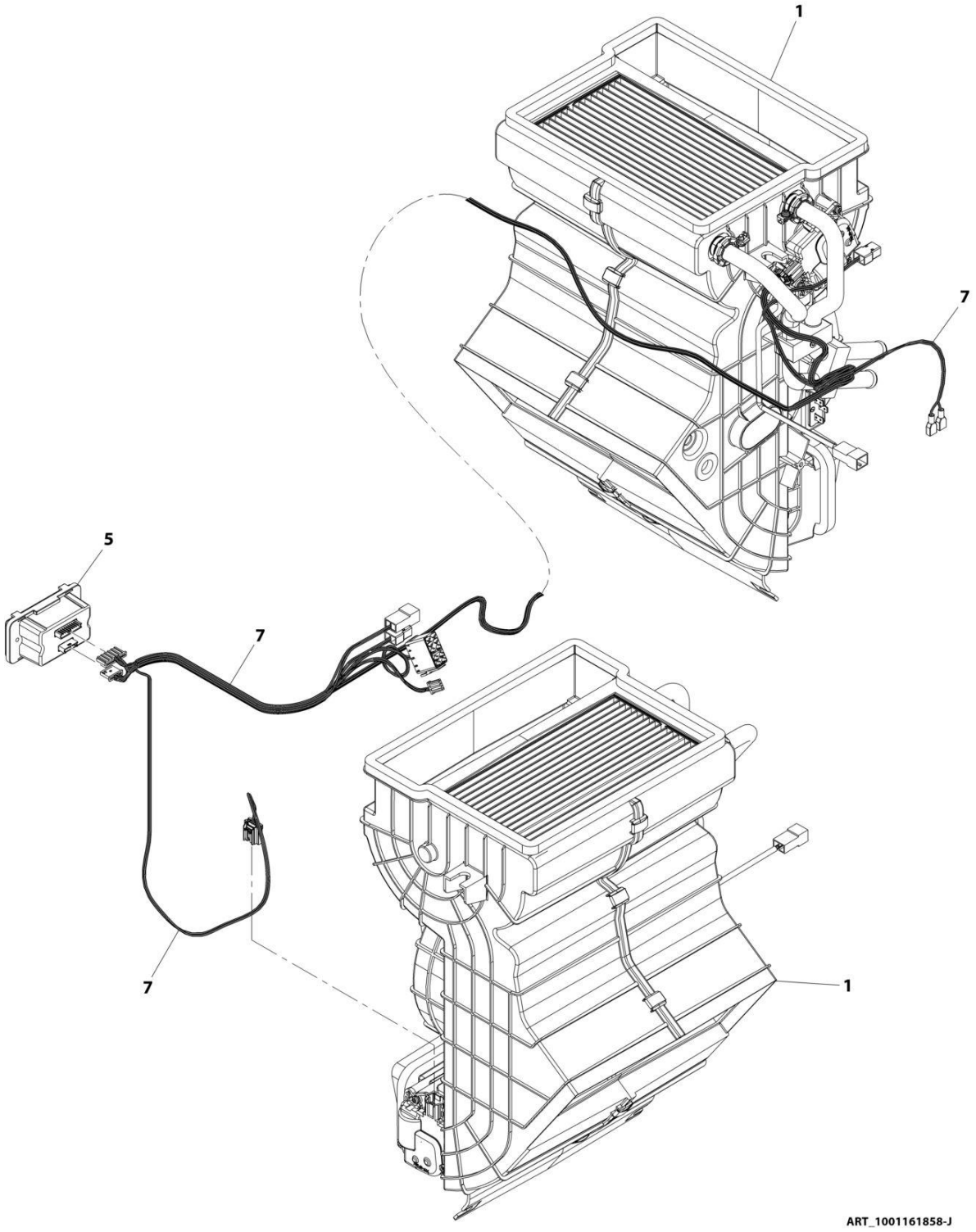


FIGURE 6-44. HEATER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161858	Ref	Heater Assembly	J
1	1001221052	1	Heater, Cab (See Separate Breakdown in this Section)	
5	1001172551	1	Actuator, HVAC Cab	
7	1001221056	1	Harness, HVAC Actuator (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 6-45. HEATER

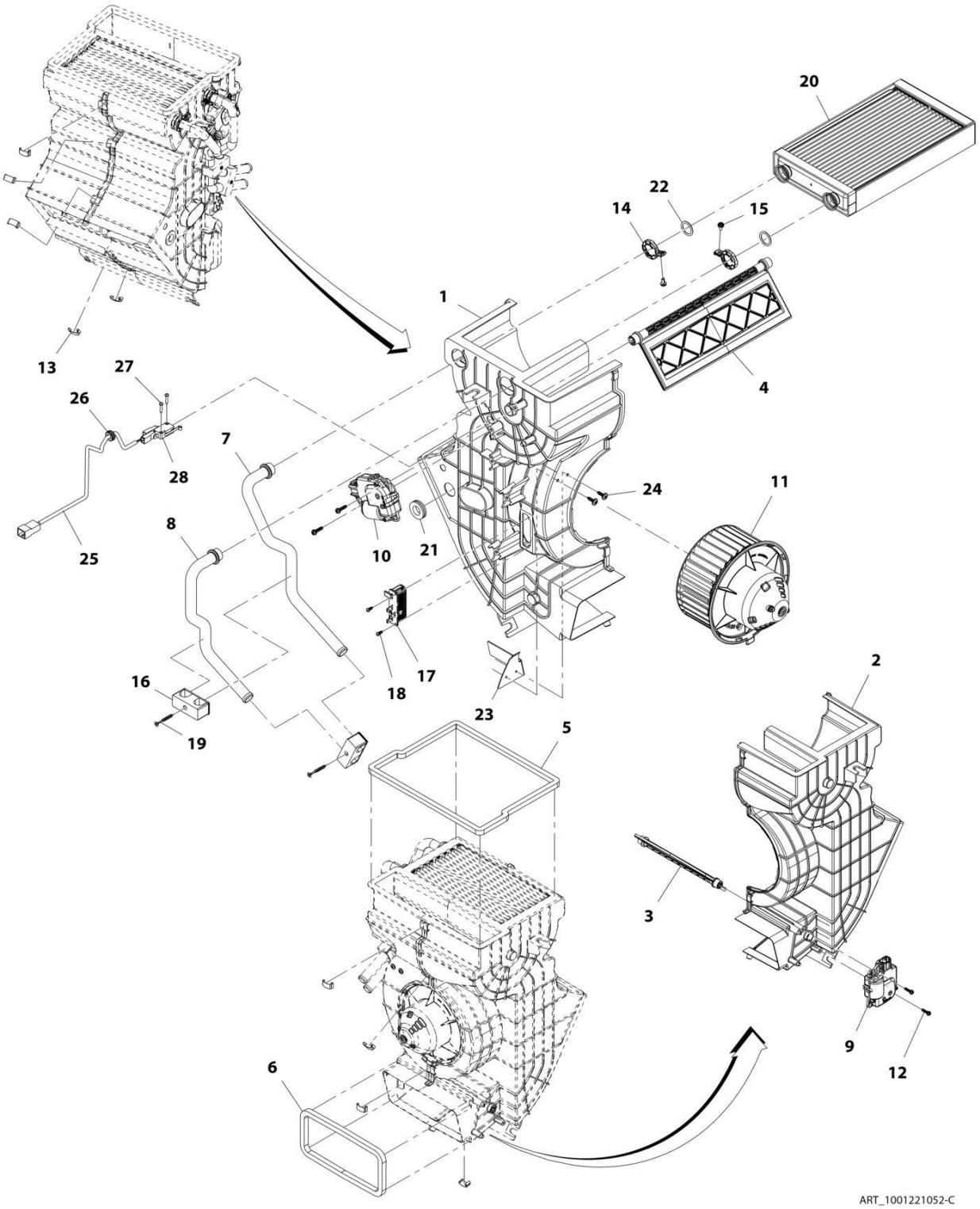


FIGURE 6-45. HEATER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221052	Ref	Heater	D
1	1001166091	1	Housing, RH	
2	1001166092	1	Housing, LH	
3	1001184275	1	Flap, Recirculation with Foam	
4	1001184278	1	Flap, Mixing with Foam	
5	1001184294	1	Foam, Air Outlet	
6	1001184295	1	Foam, Air Inlet	
7	1001184296	1	Pipe, Water	
8	1001184297	1	Pipe, Water	
9	1001188577	1	Actuator, Fresh/Recirculation Air	
10	1001188578	1	Actuator, Hot/Cold	
11	1001188594	1	Fan, 12V	
12	1001188602	4	Screw	
13	1001188603	9	Clamp	
14	1001188604	2	Clamp	
15	1001188610	2	Screw	
16	1001188612	2	Clamp	
17	1001188614	1	Resistor	
18	1001188720	2	Screw	
19	1001188725	2	Screw	
20	1001188729	1	Radiator, Heater Core	
21	1001188733	1	Grommet	
22	1001189025	2	O-Ring	
23	1001221057	1	Plate	
24	1001221058	2	Screw	
25	1001228132	1	Harness, HVAC Sensor	
26	1001228140	1	Grommet	
27	1001228141	2	Screw	
28	1001228147	1	Valve, Water	

FIGURE 6-46. HEATER AND A/C ASSEMBLY

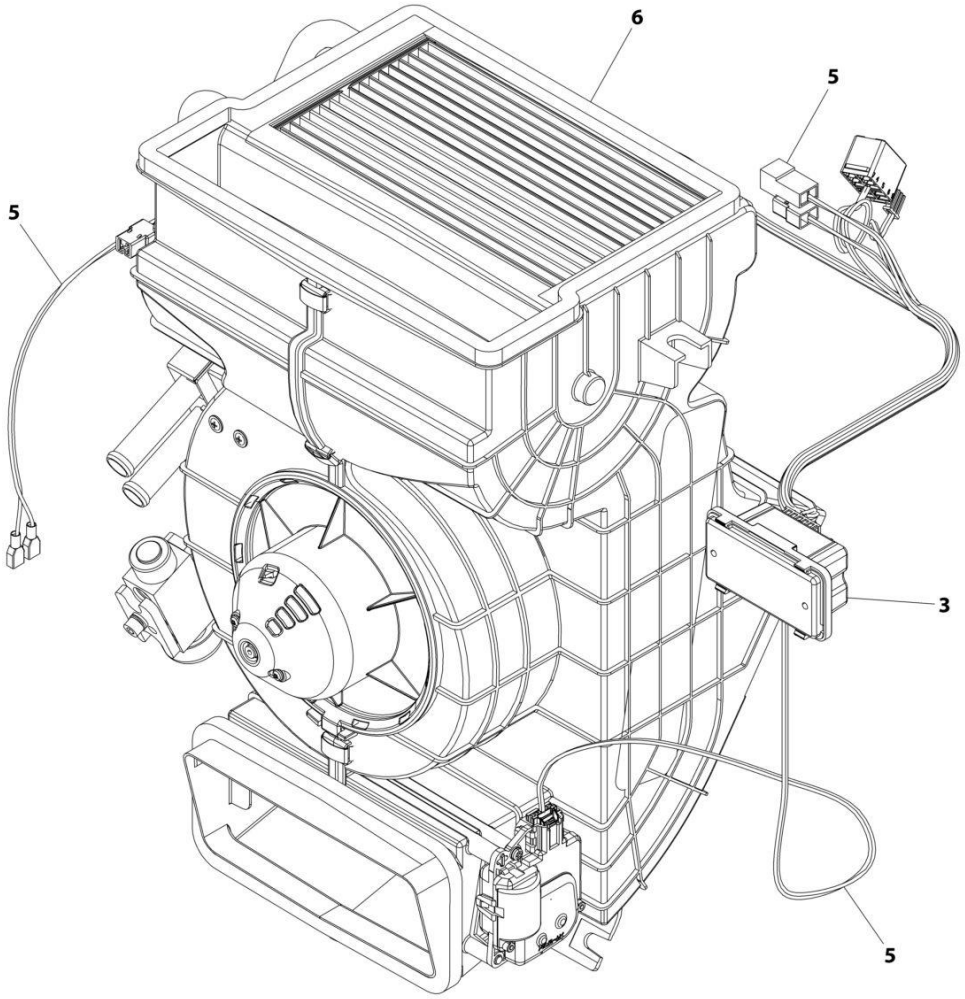


FIGURE 6-46. HEATER AND A/C ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188303	Ref	Heater and A/C Assembly	H
3	1001172551	1	Actuator, HVAC Cab	
5	1001221056	1	Harness, HVAC Actuator (See Separate Breakdown in ELECTRICAL Section)	
6	1001221054	1	Heater and A/C (See Separate Breakdown in this Section)	

FIGURE 6-47. HEATER AND A/C

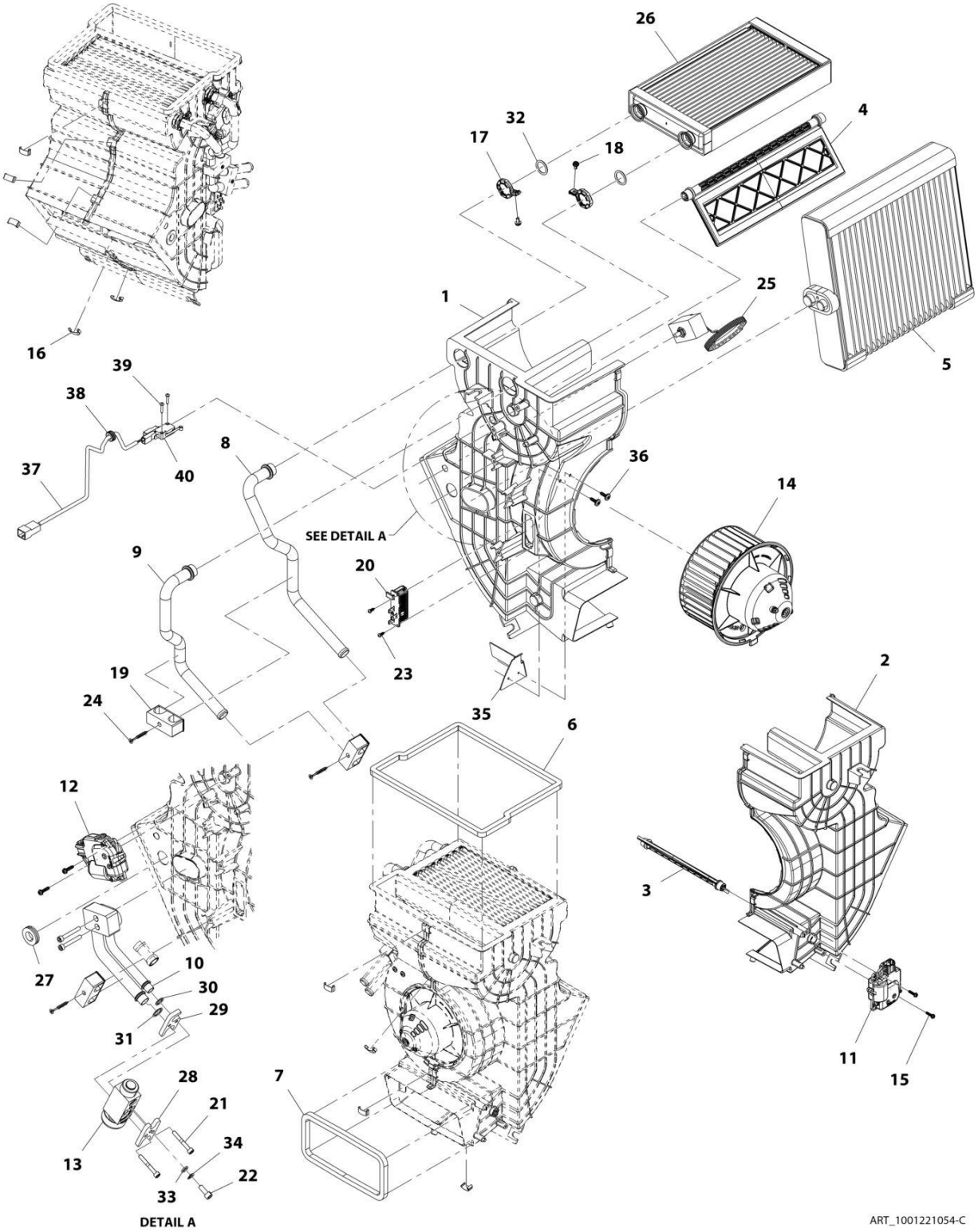


FIGURE 6-47. HEATER AND A/C

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221054	Ref	Heater and A/C	D
1	1001166091	1	Housing, HVAC RH	
2	1001166092	1	Housing, HVAC LH	
3	1001184275	1	Foam, Heater Flap	
4	1001184278	1	Foam, Heater Mixing Flap	
5	1001184280	1	Evaporator, Heater	
6	1001184294	1	Seal, Heater Foam	
7	1001184295	1	Seal, Air Inlet Foam	
8	1001184296	1	Pipe, Heater Water	
9	1001184297	1	Pipe, Heater Water	
10	1001184427	1	Pipe, Heater	
11	1001188577	1	Actuator, Fresh/Recirculation Air	
12	1001188578	1	Actuator, Hot/Cold Mixing	
13	1001188592	1	Valve, HVAC Expansion	
14	1001188594	1	Fan, HVAC Centrifugal 12V	
15	1001188602	4	Screw, M4	
16	1001188603	9	Clamp, HVAC Case	
17	1001188604	2	Clamp, HVAC Pipe	
18	1001188610	2	Screw, M4X0.7	
19	1001188612	3	Clamp, Pipe	
20	1001188614	1	Resistor	
21	1001188618	4	Screw, M5	
22	1001188619	1	Screw, M6	
23	1001188720	2	Screw, M2.9X9.5	
24	1001188725	3	Screw, M4X35	
25	1001188728	1	Sensor, HVAC Thermostat	
26	1001188729	1	Radiator, Heater Core	
27	1001188733	1	Grommet	
28	1001188817	1	Clamp, Hose	
29	1001188818	1	Clamp, HVAC EVAP/Valve	
30	1001189023	1	O-Ring	
31	1001189024	1	O-Ring	
32	1001189025	2	O-Ring	
33	1001189048	1	Washer	
34	1001189054	1	Washer, Spring	
35	1001221057	1	Plate	
36	1001221058	2	Screw	
37	1001228132	1	Harness, HVAC Sensor	
38	1001228140	1	Grommet	
39	1001228141	2	Screw	
40	1001228147	1	Valve, Water Sensor	

FIGURE 6-48. HVAC CAB ACTUATOR

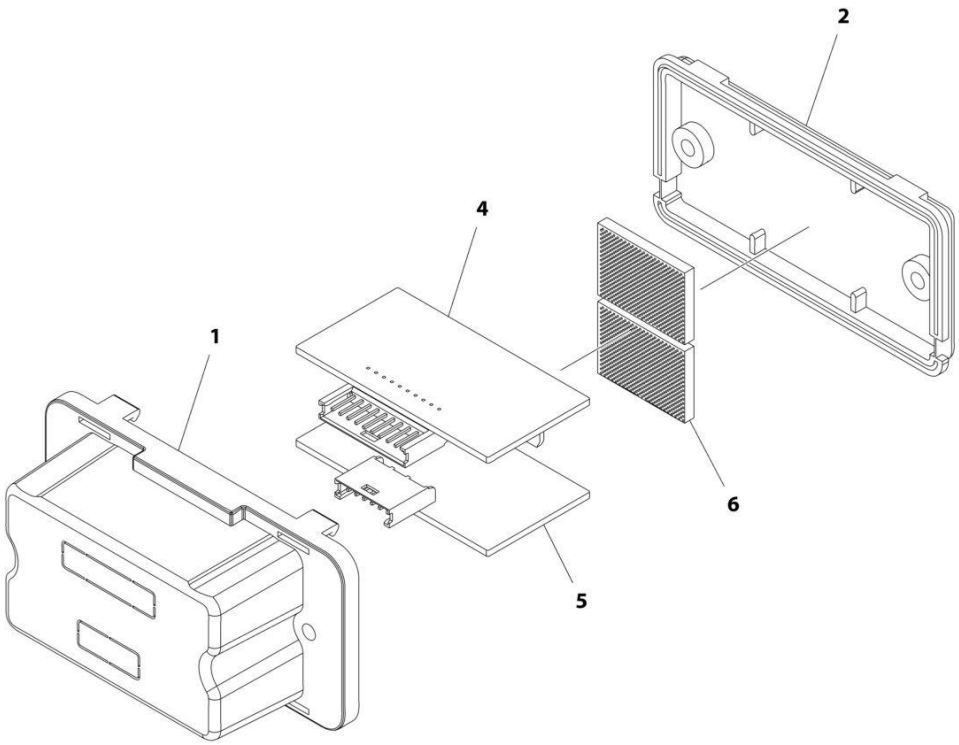


FIGURE 6-48. HVAC CAB ACTUATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172551	Ref	HVAC CAB ACTUATOR	E
1	1001184306	1	Box, Heater Controller	
2	1001184307	1	Base, Heater Controller Box	
4	1001184309	1	Board, Heater Control	
5	1001184310	1	Board, Heater Control	
6	1001189980	2	Insulator, Heater Controller Box	

FIGURE 6-49. CAB CONDENSER ASSEMBLY

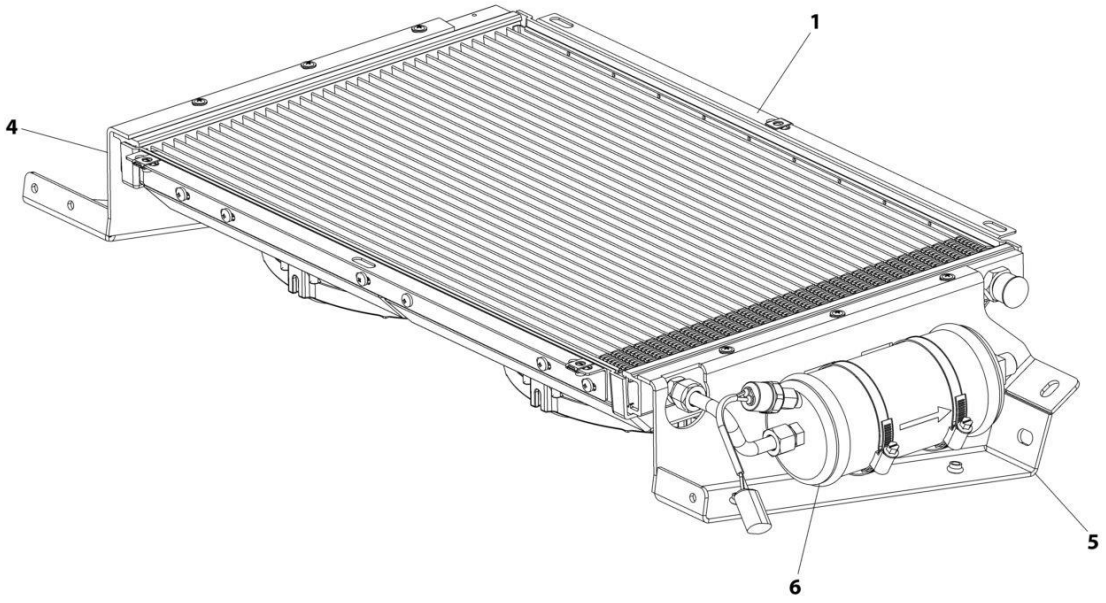


FIGURE 6-49. CAB CONDENSER ASSEMBLY

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 6-50. A/C RECEIVER DRIER

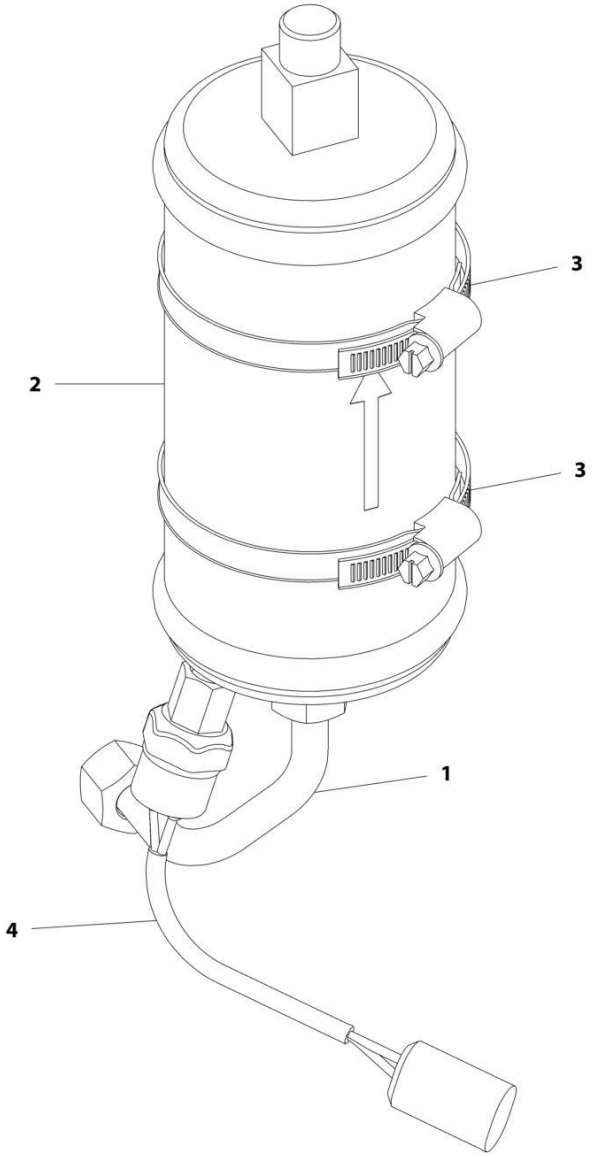


FIGURE 6-50. A/C RECEIVER DRIER

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 6-51. CONDENSER

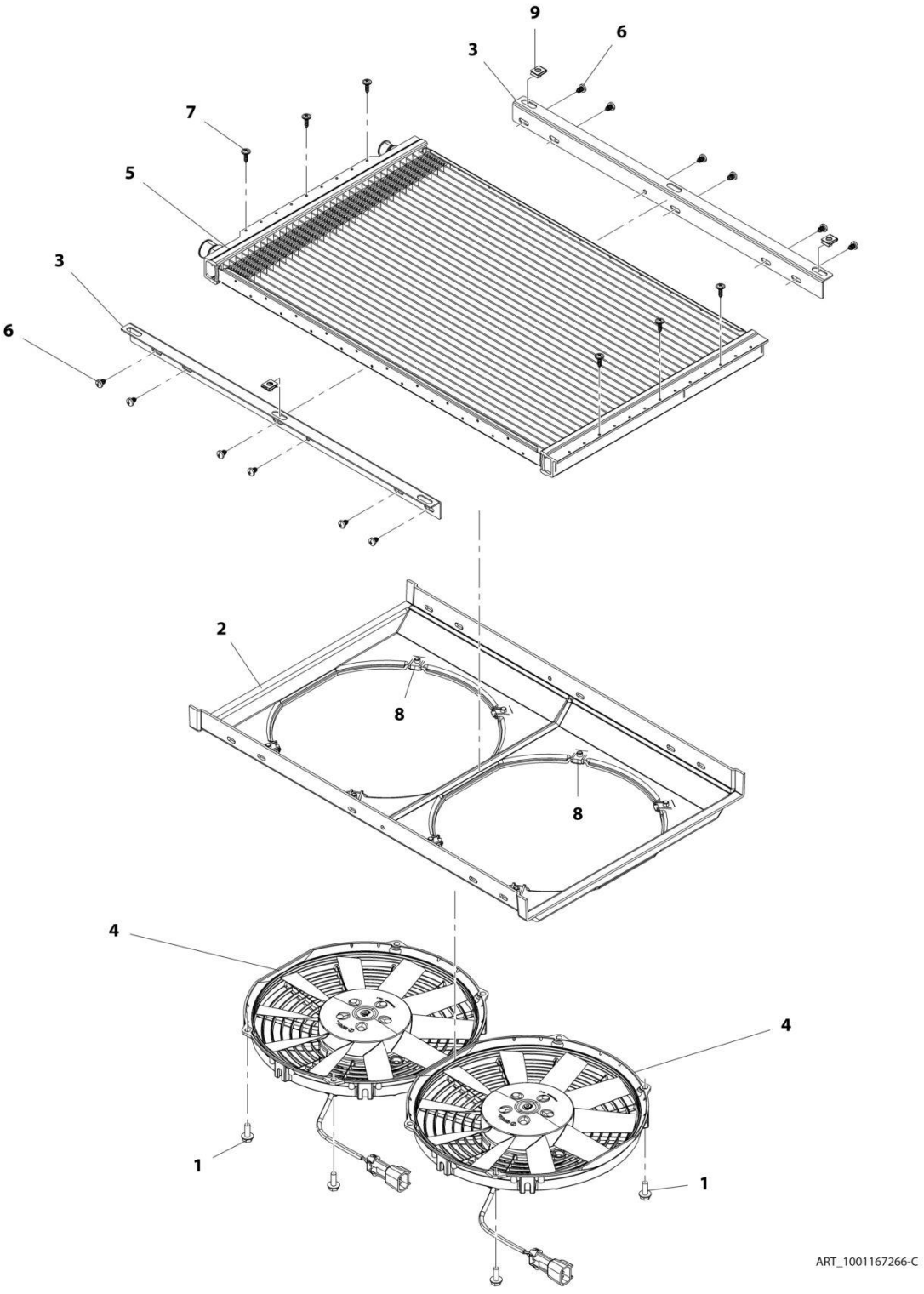


FIGURE 6-51. CONDENSER

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 6-52. FRONT WIPER INSTALLATION

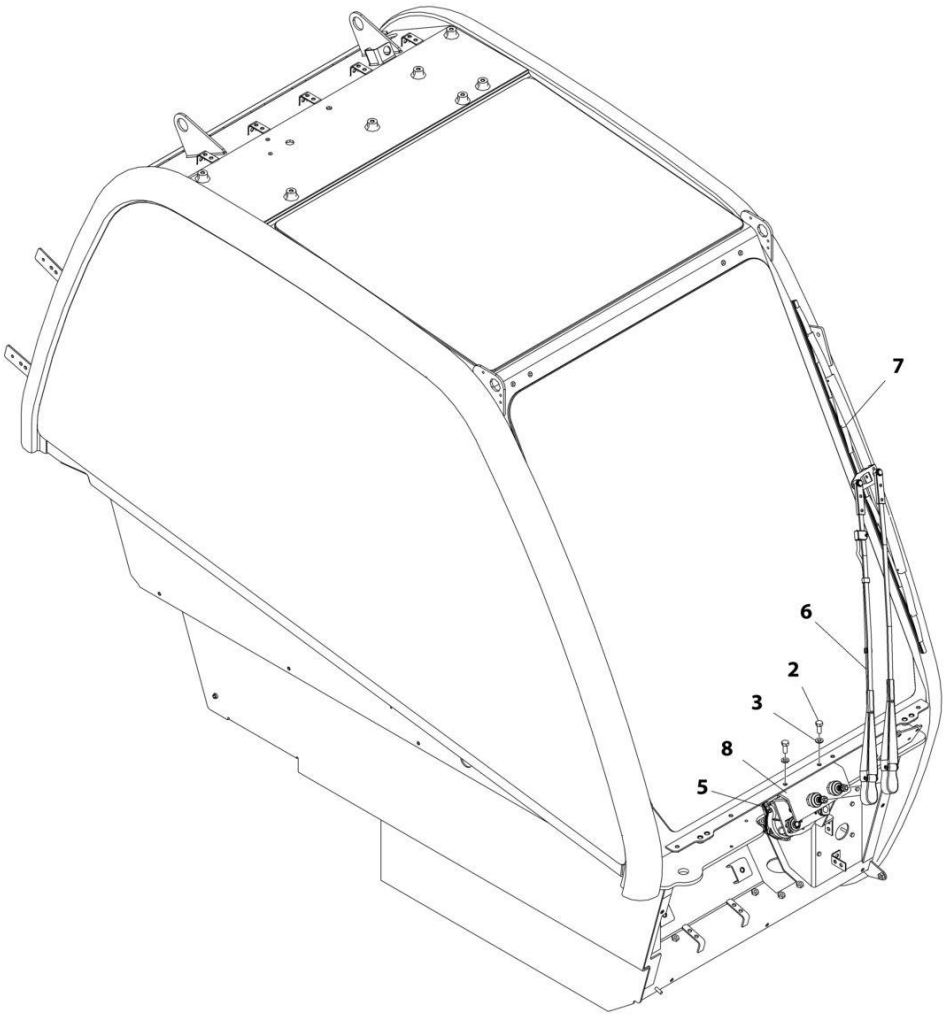


FIGURE 6-52. FRONT WIPER INSTALLATION

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 6-53. REAR WIPER INSTALLATION

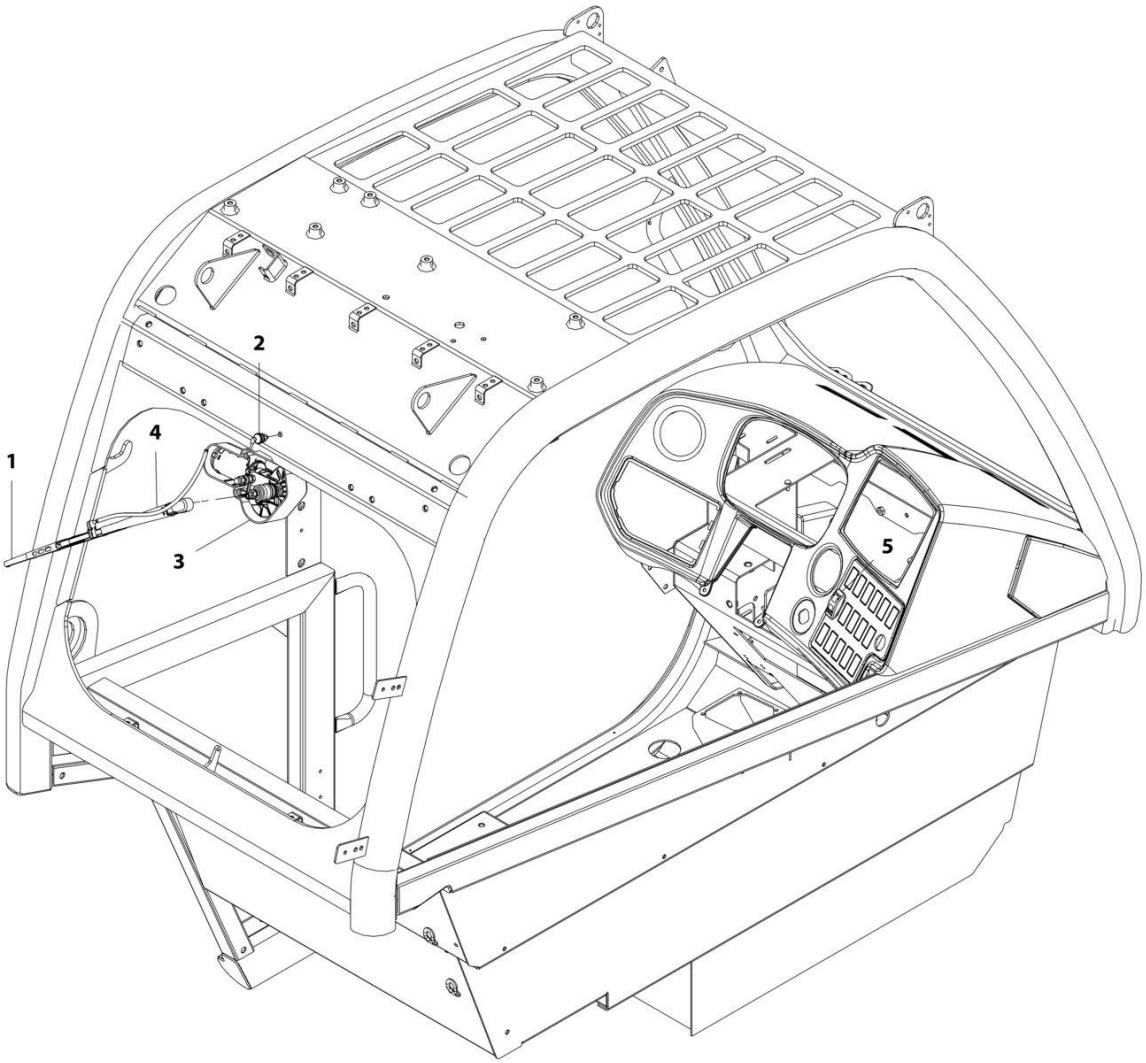


FIGURE 6-53. REAR WIPER INSTALLATION

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 6-54. ROOF WIPER INSTALLATION

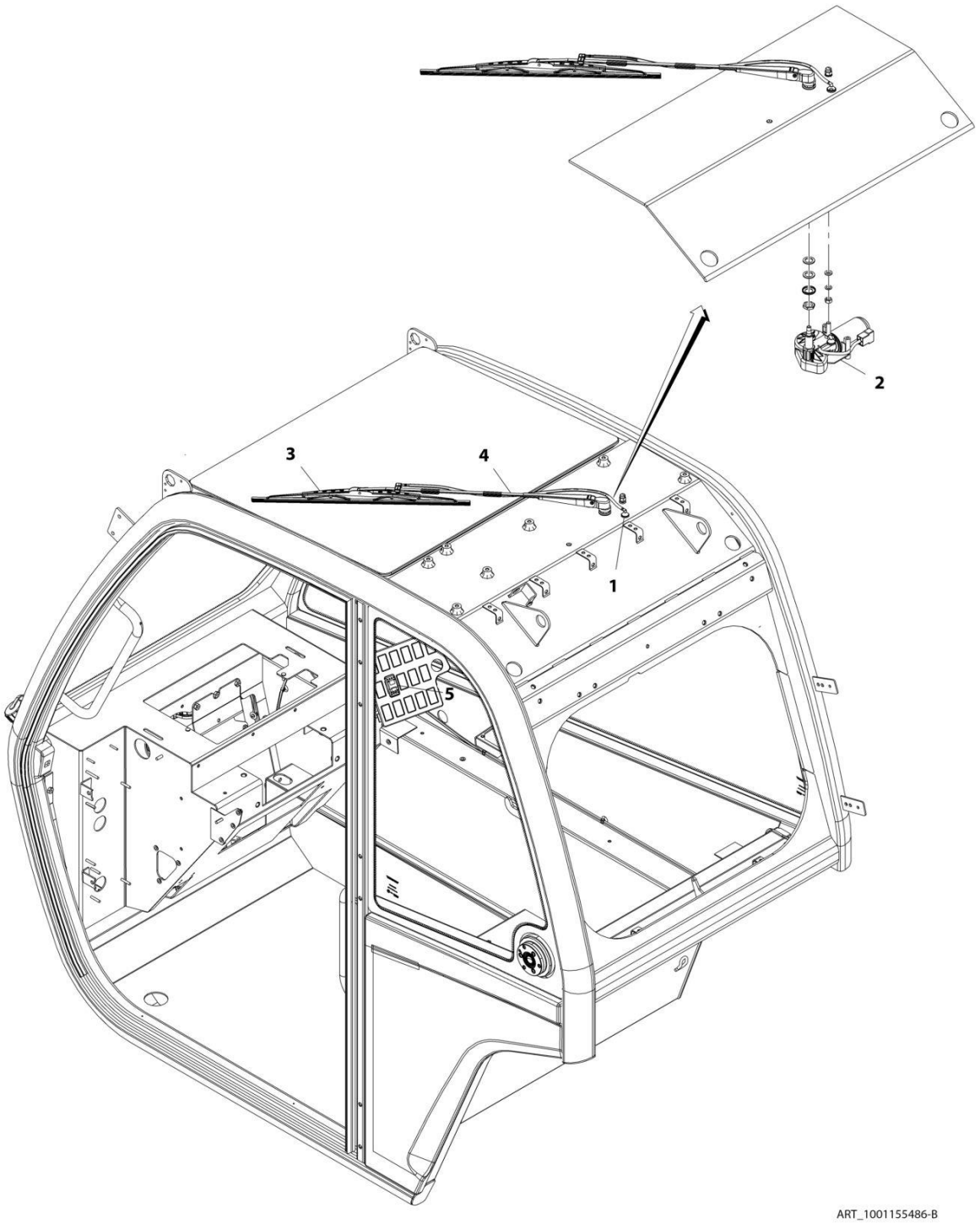


FIGURE 6-54. ROOF WIPER INSTALLATION

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 6-55. HEADLINER INSTALLATION

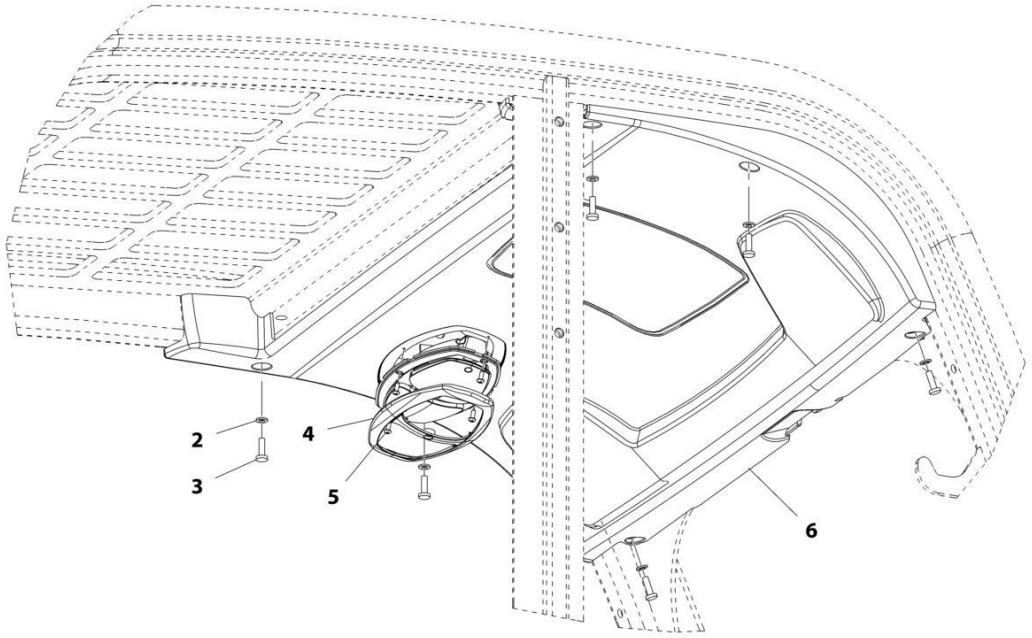
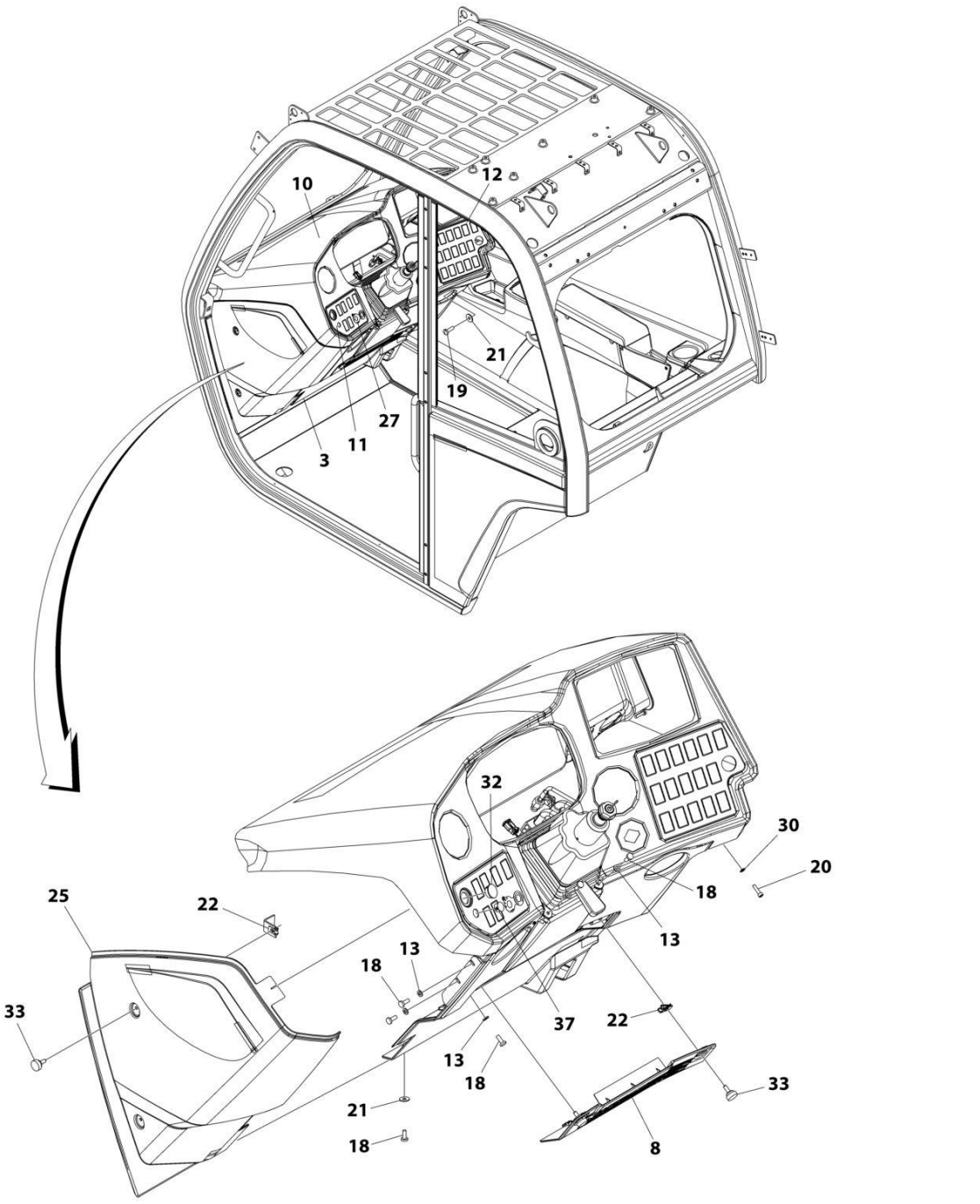


FIGURE 6-55. HEADLINER INSTALLATION

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 6-56. TRIM INSTALLATION - OPEN CAB



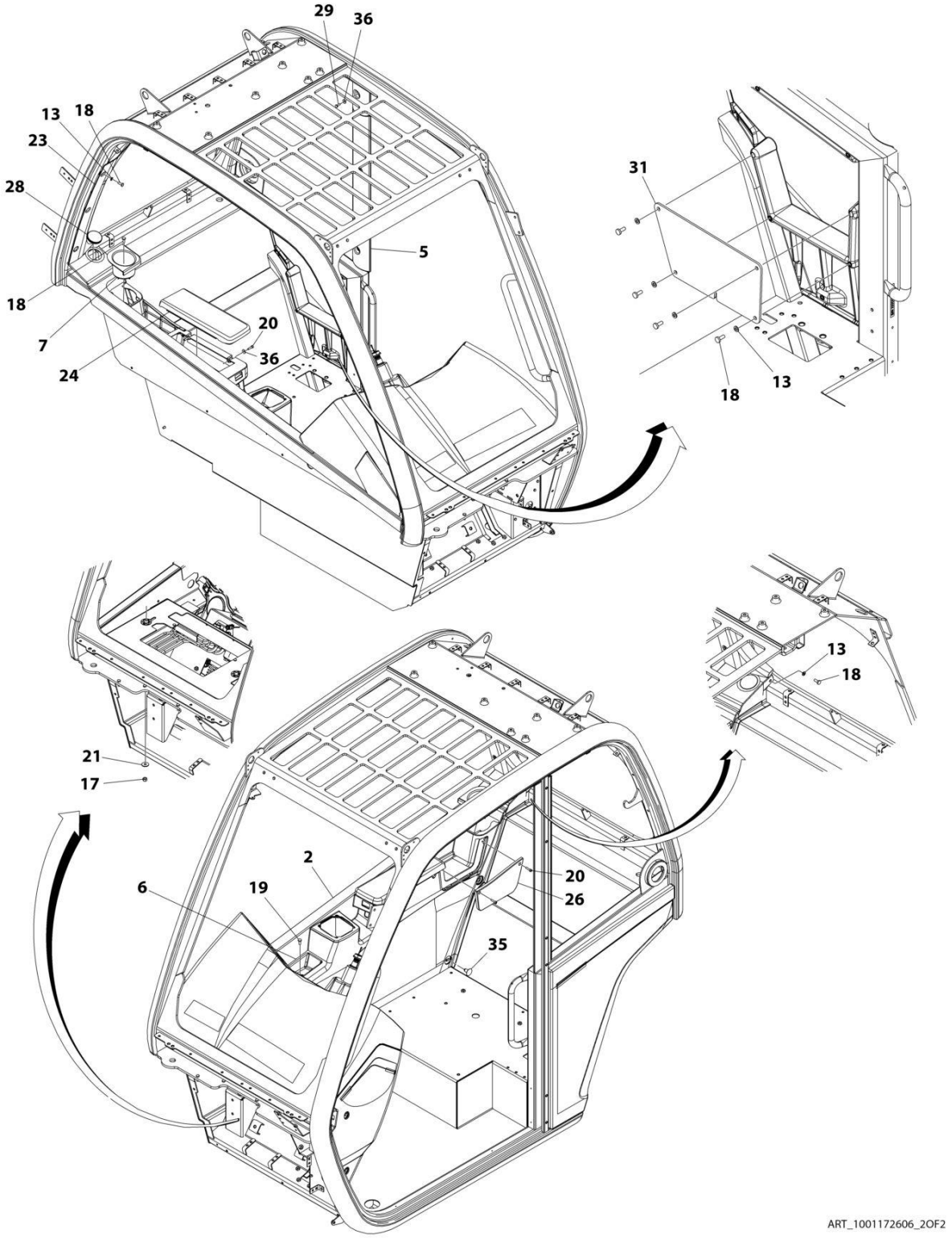
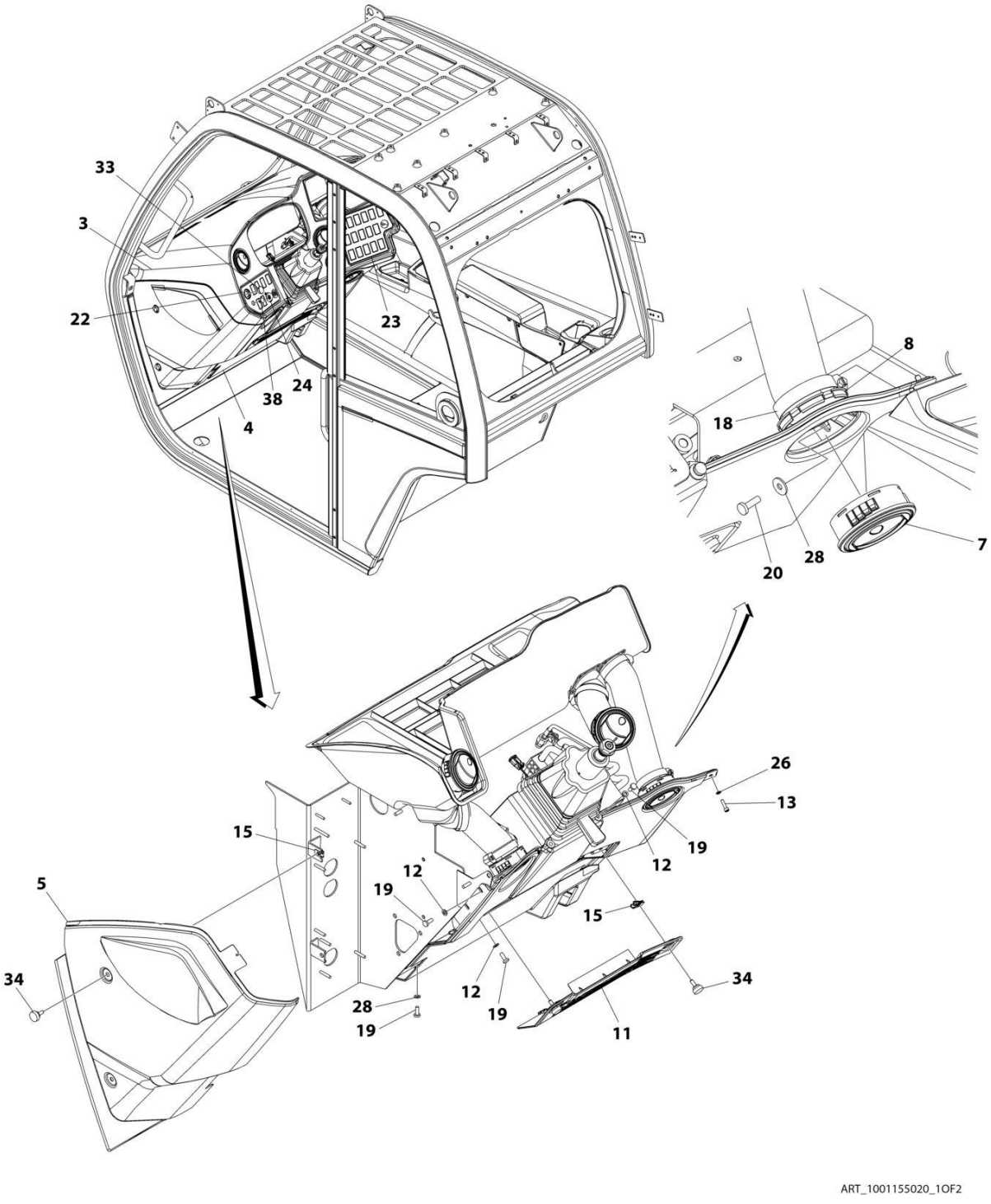

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ART_1001172606_2OF2

FIGURE 6-56. 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 6-57. TRIM INSTALLATION - ENCLOSED CAB



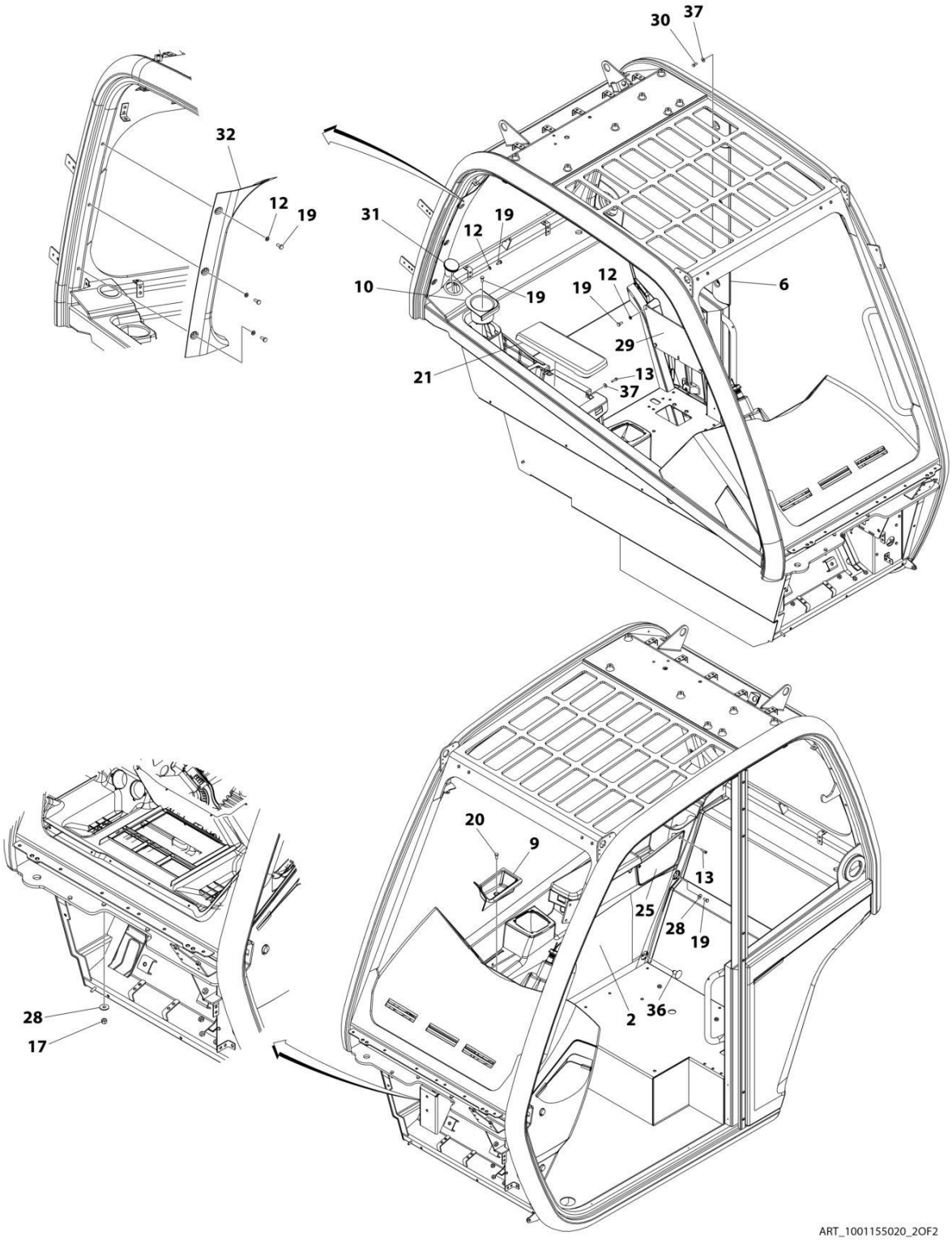

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ART_1001155020_2OF2

FIGURE 6-57. 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 6-58. ARMREST

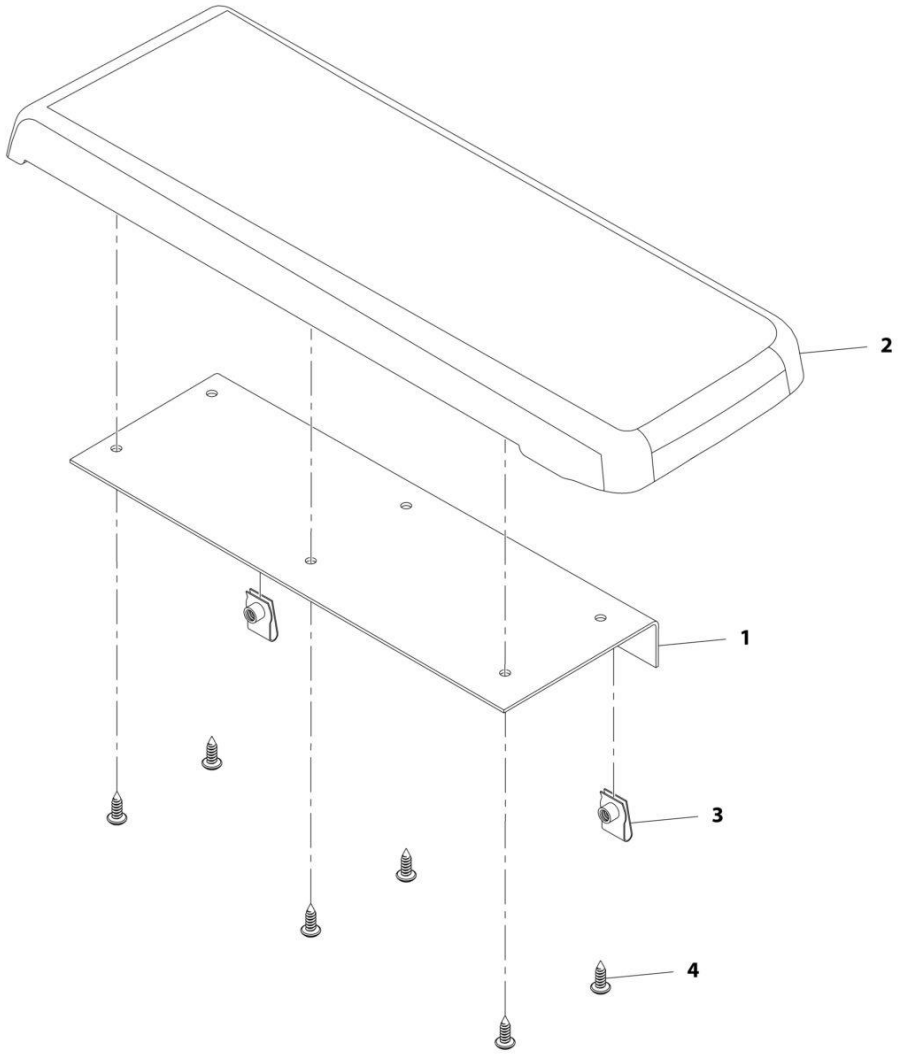


FIGURE 6-58. ARMREST

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 6-59. OPEN CAB FRONT COVER INSTALLATION

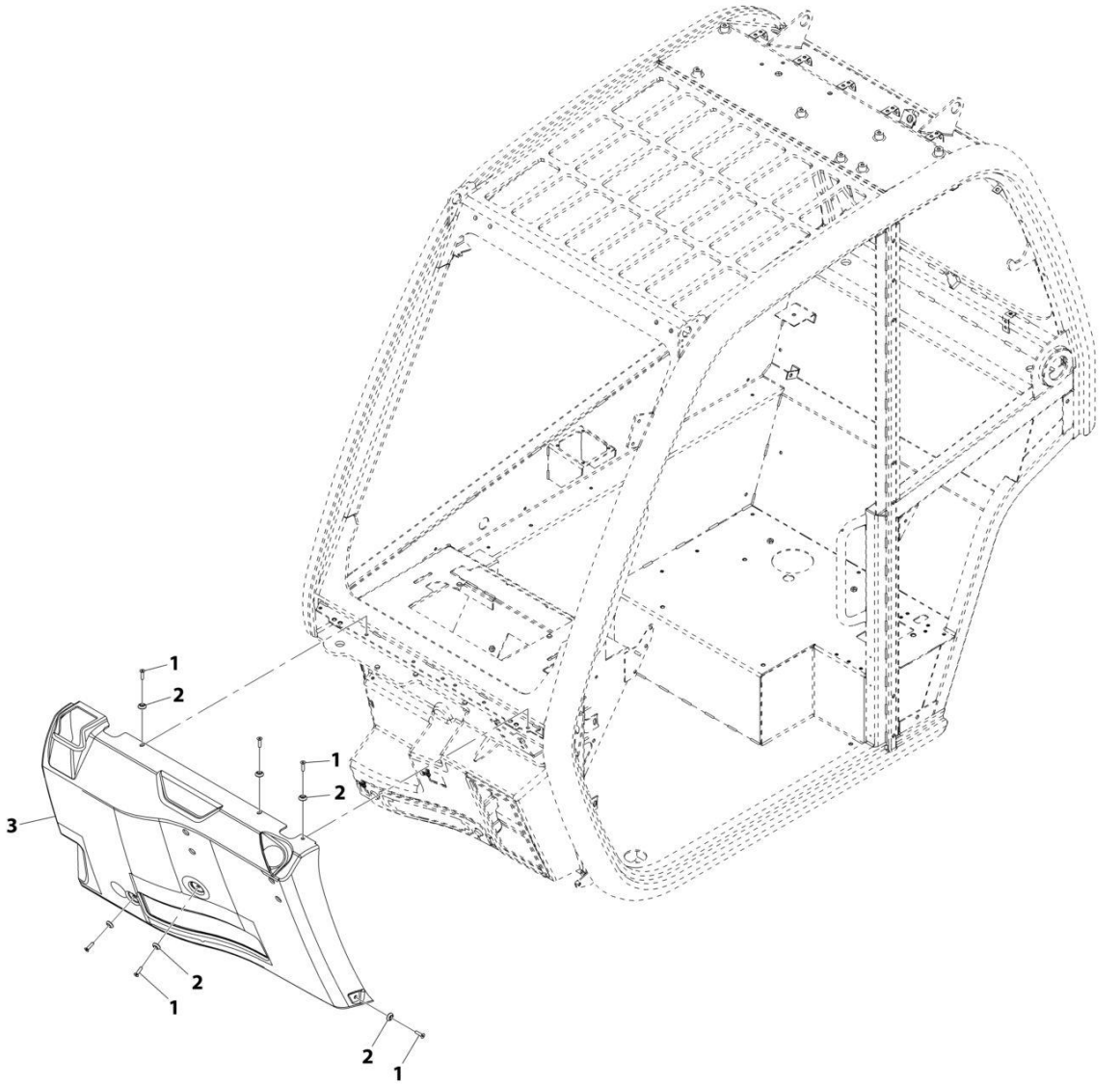


FIGURE 6-59. OPEN CAB FRONT COVER INSTALLATION

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 6-60. ENCLOSED CAB FRONT COVER INSTALLATION

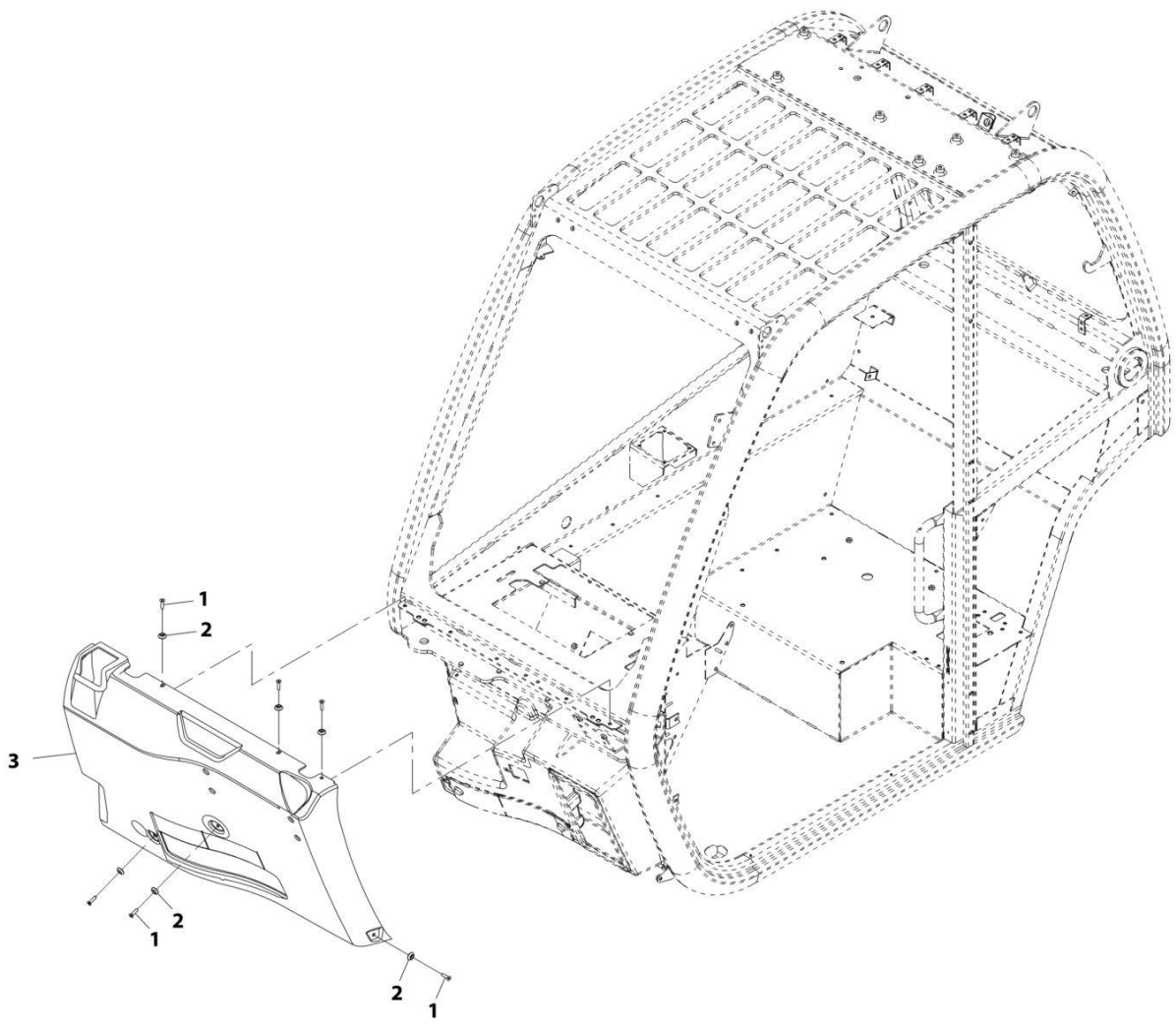


FIGURE 6-60. ENCLOSED CAB FRONT COVER INSTALLATION

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 6-61. ROOF CAP INSTALLATION (A/C)

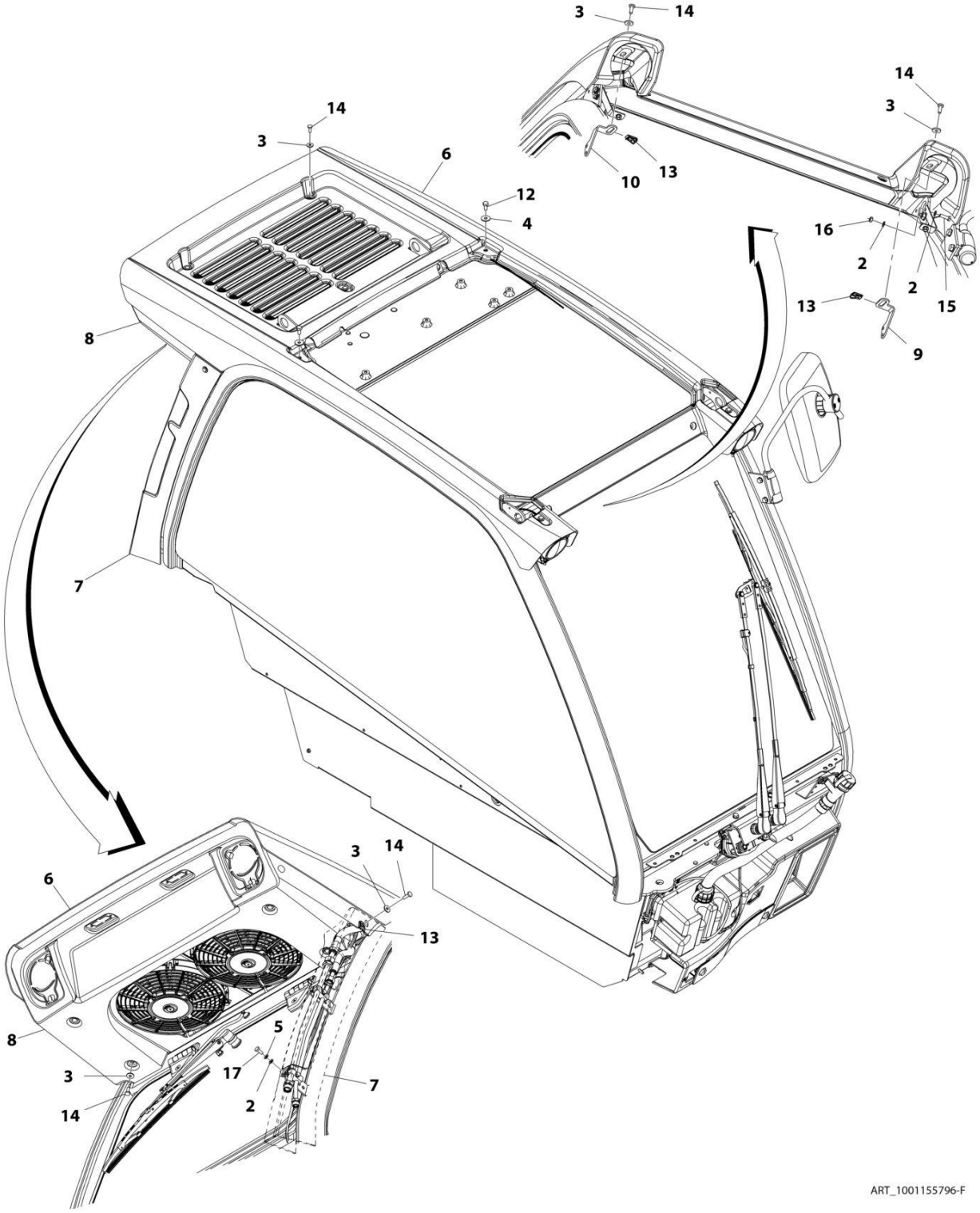


FIGURE 6-61. ROOF CAP INSTALLATION (A/C)

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 6-62. ROOF CAP INSTALLATION (NO A/C)

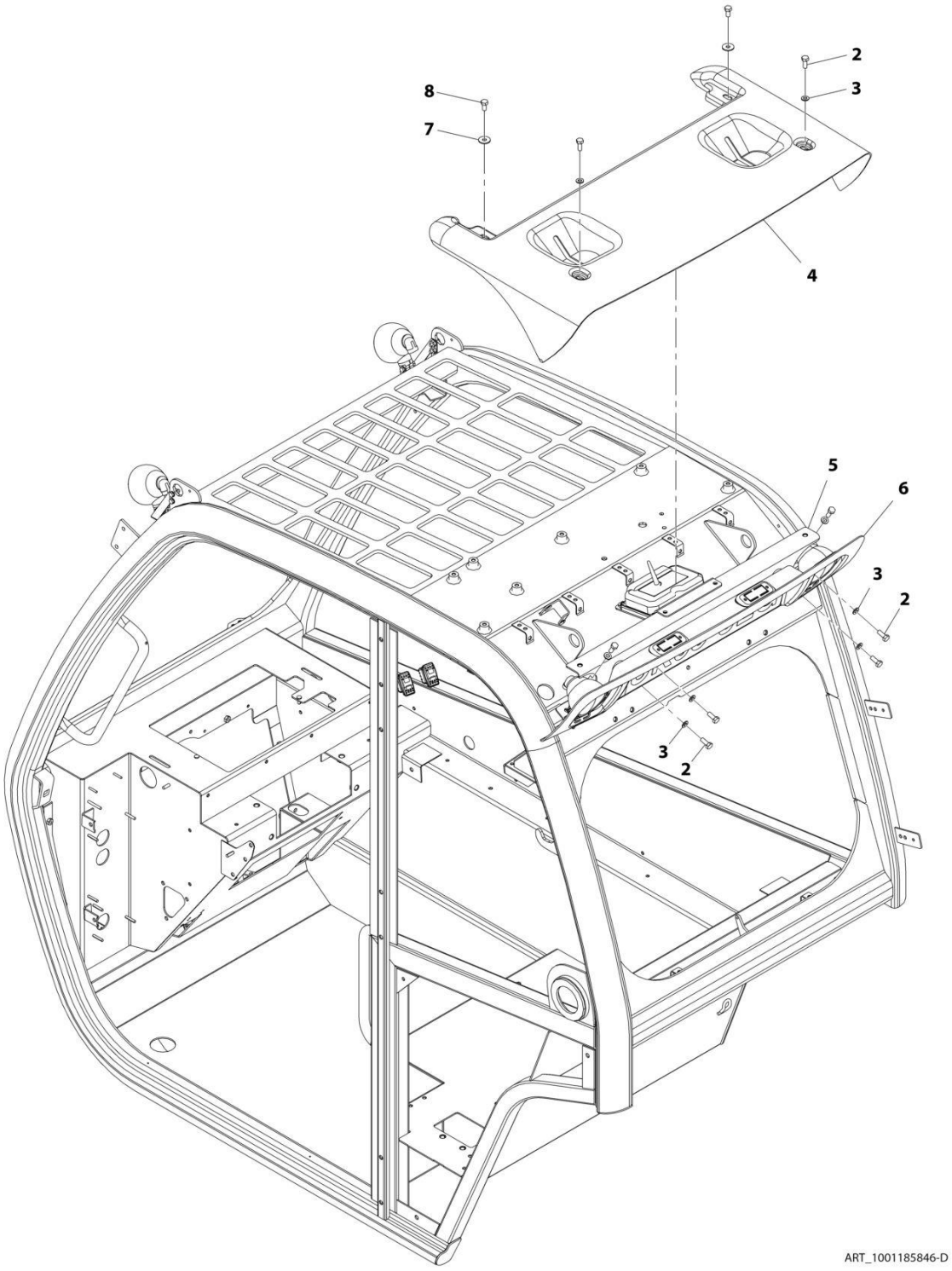
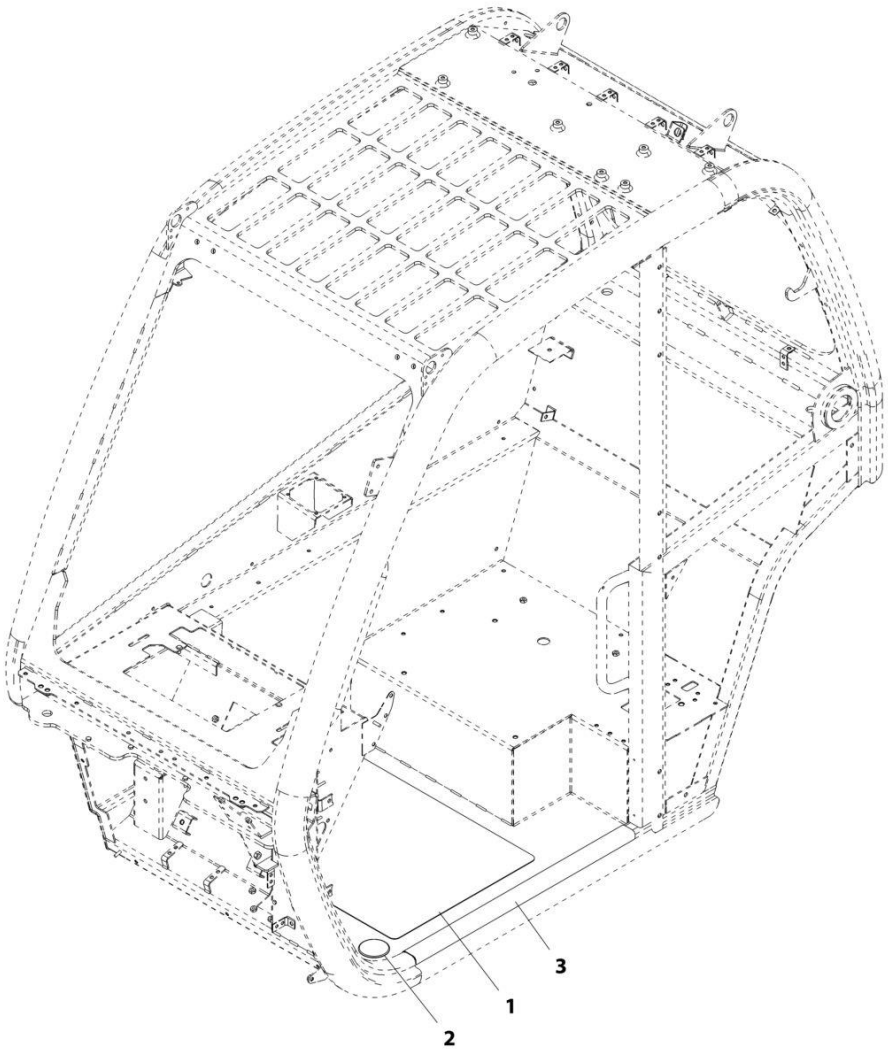


FIGURE 6-62. ROOF CAP INSTALLATION (NO A/C)

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 6-63. NON SKID TAPE INSTALLATION

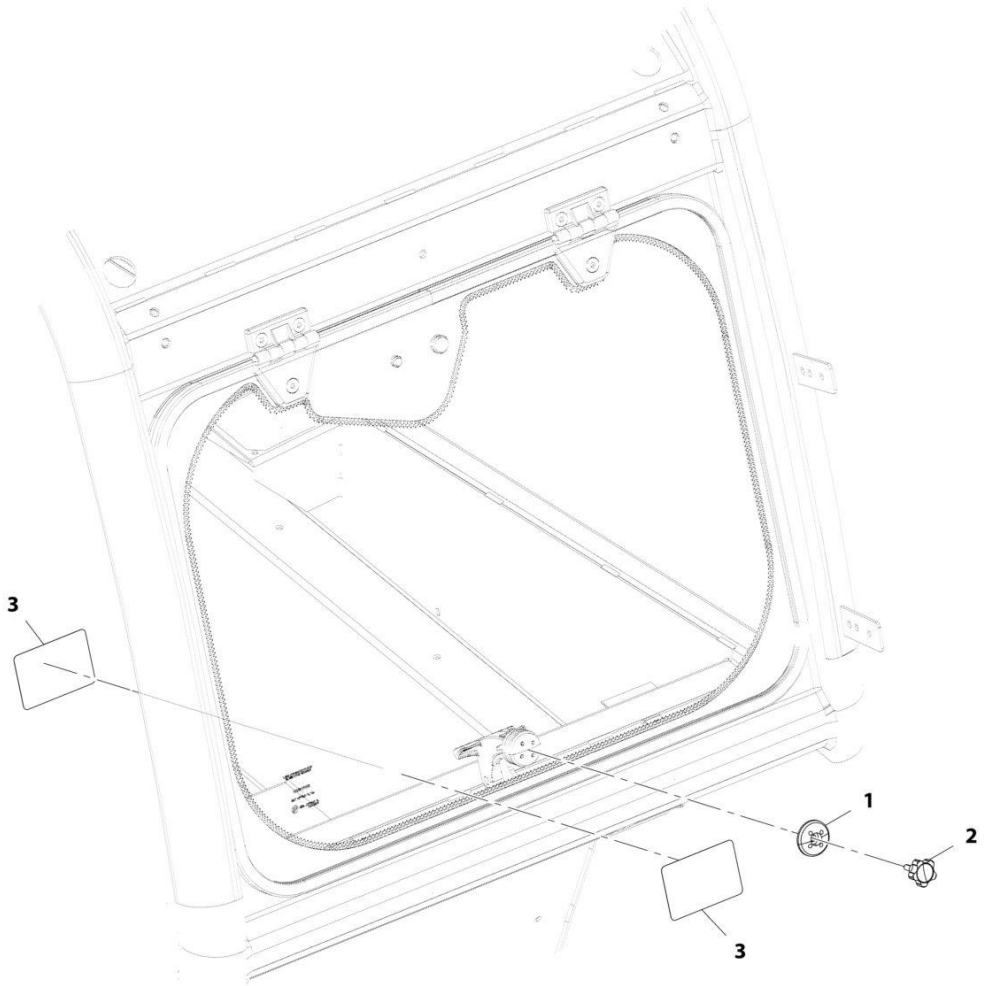


ART_1001197219-B

FIGURE 6-63. 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 6-64. EXTERNAL WINDOW RELEASE INSTALLATION (CAN & ISO)



ART_1001178826-C

FIGURE 6-64. 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 6-65. WASHER TANK INSTALLATION

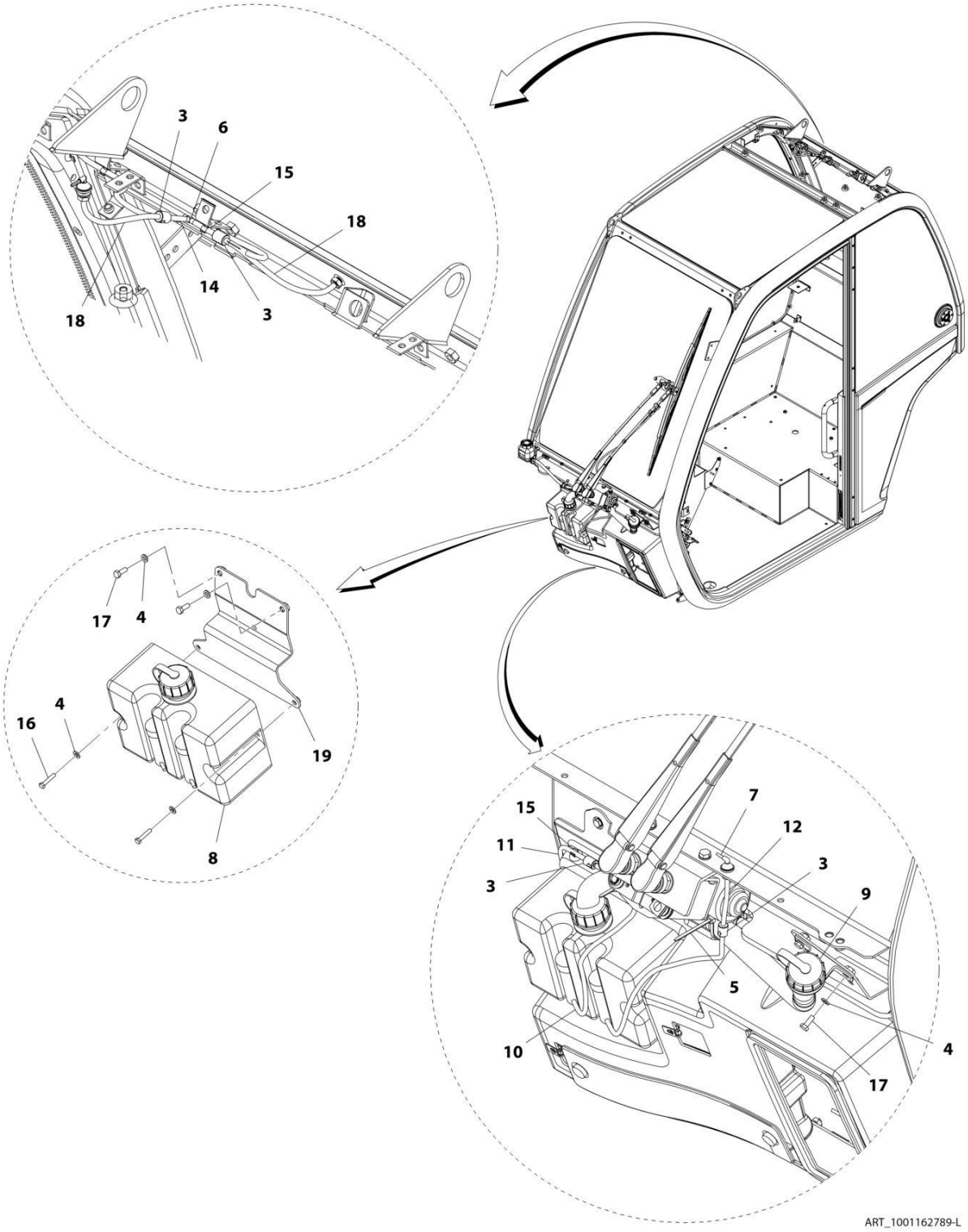
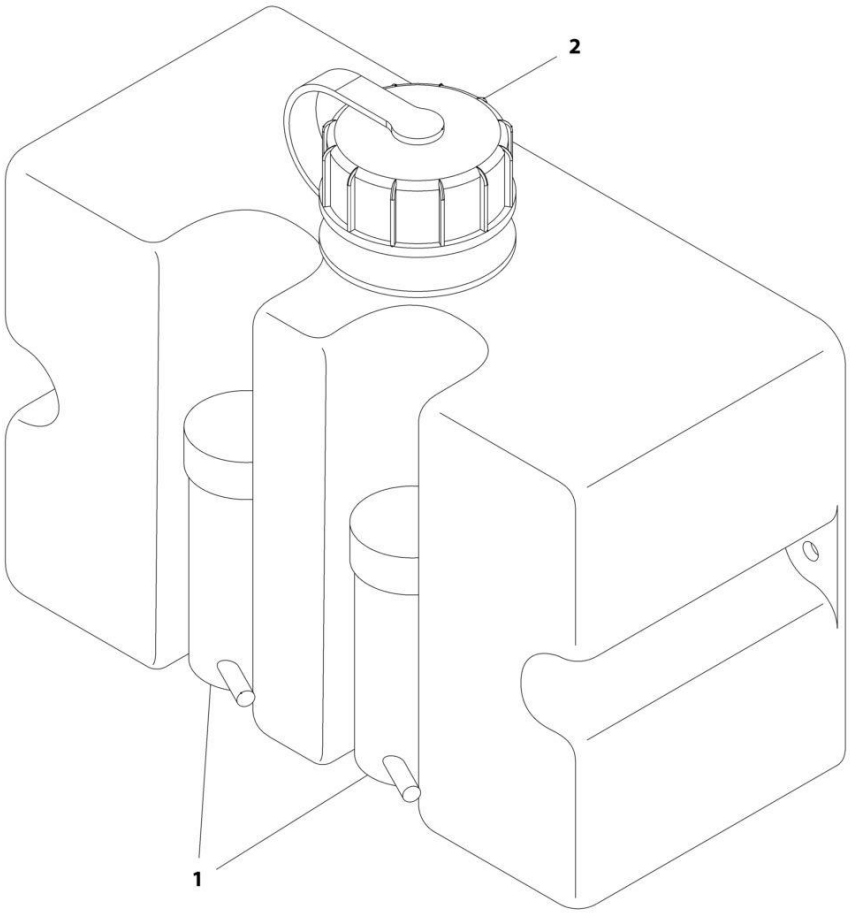


FIGURE 6-65. WASHER TANK INSTALLATION

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 6-66. WASHER BOTTLE



ART_1001165269-B

FIGURE 6-66. WASHER BOTTLE

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

FIGURE 6-67. CAB GUARD INSTALLATION (TOP AND FRONT)

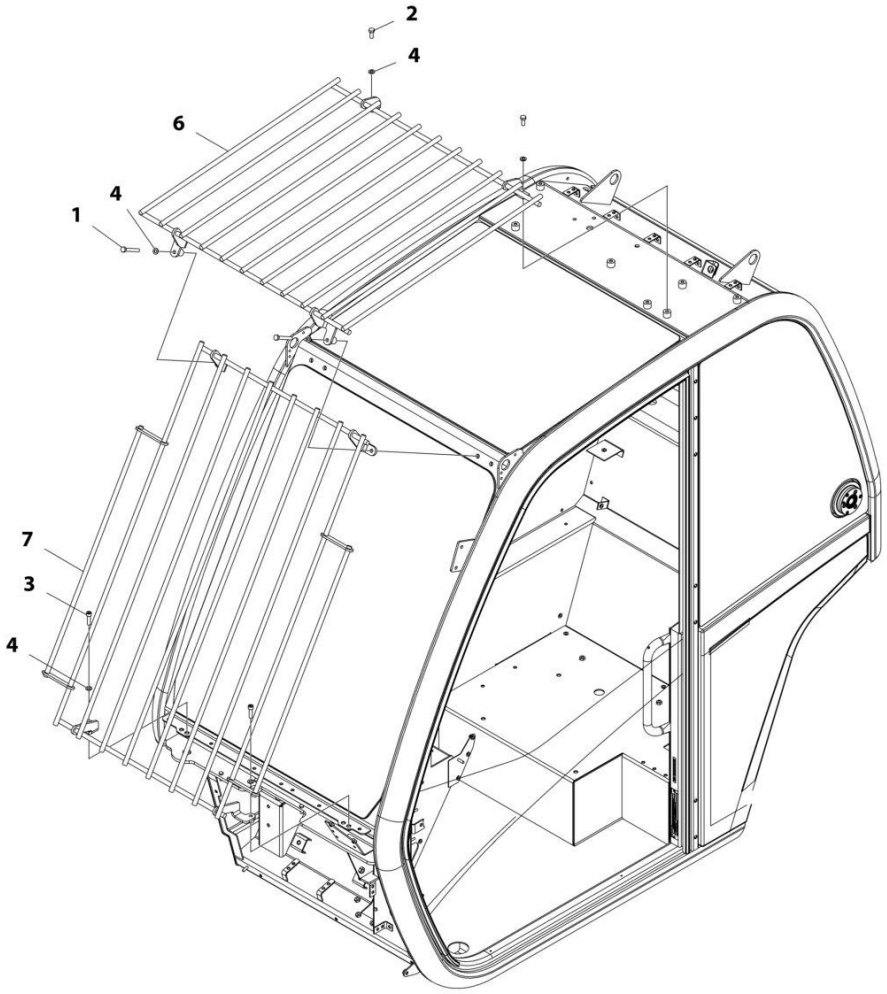


FIGURE 6-67. CAB GUARD INSTALLATION (TOP AND FRONT)

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 6-68. CAB GUARD INSTALLATION (TOP)

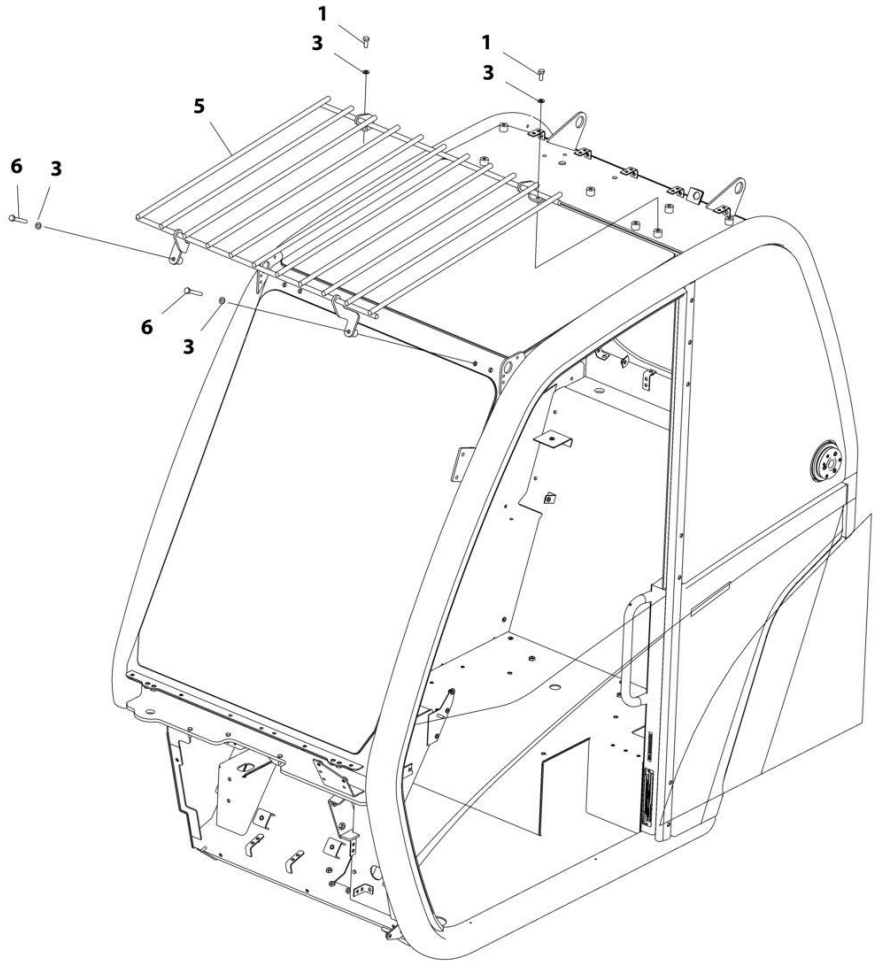


FIGURE 6-68. CAB GUARD INSTALLATION (TOP)

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 6-69. CAB GUARD INSTALLATION (FRONT)

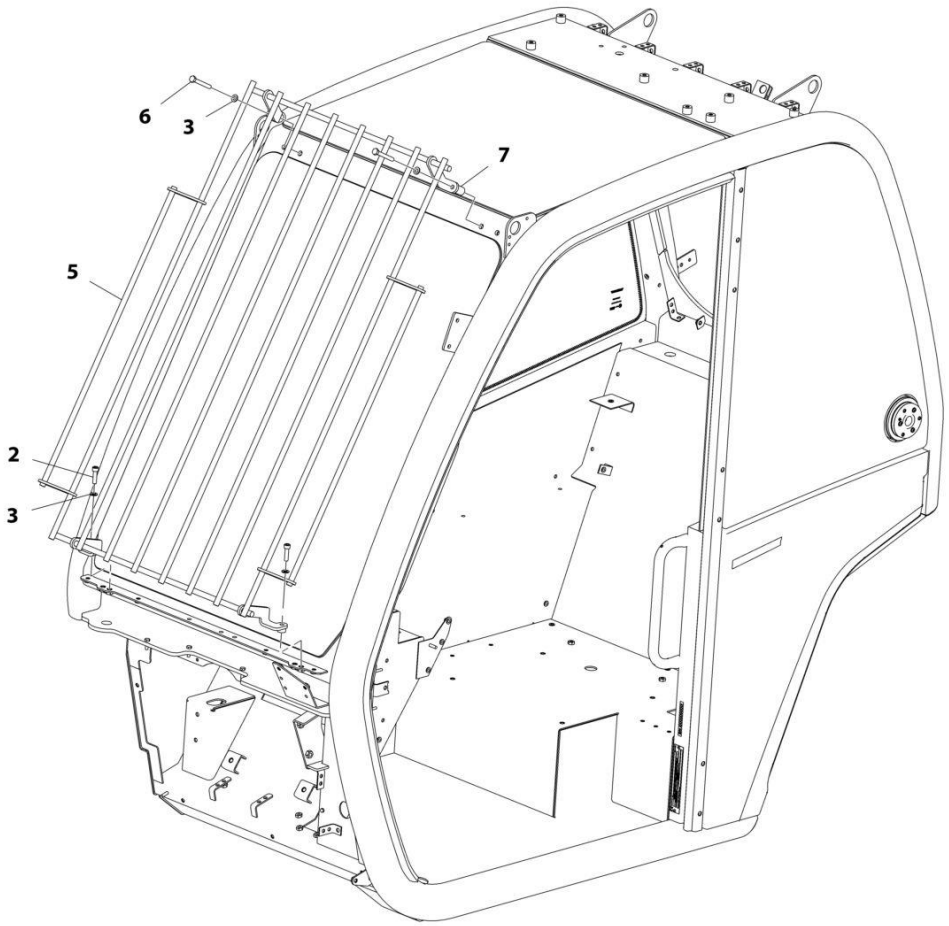


FIGURE 6-69. CAB GUARD INSTALLATION (FRONT)

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 6-70. ROOF PIGTAIL CAP INSTALLATION

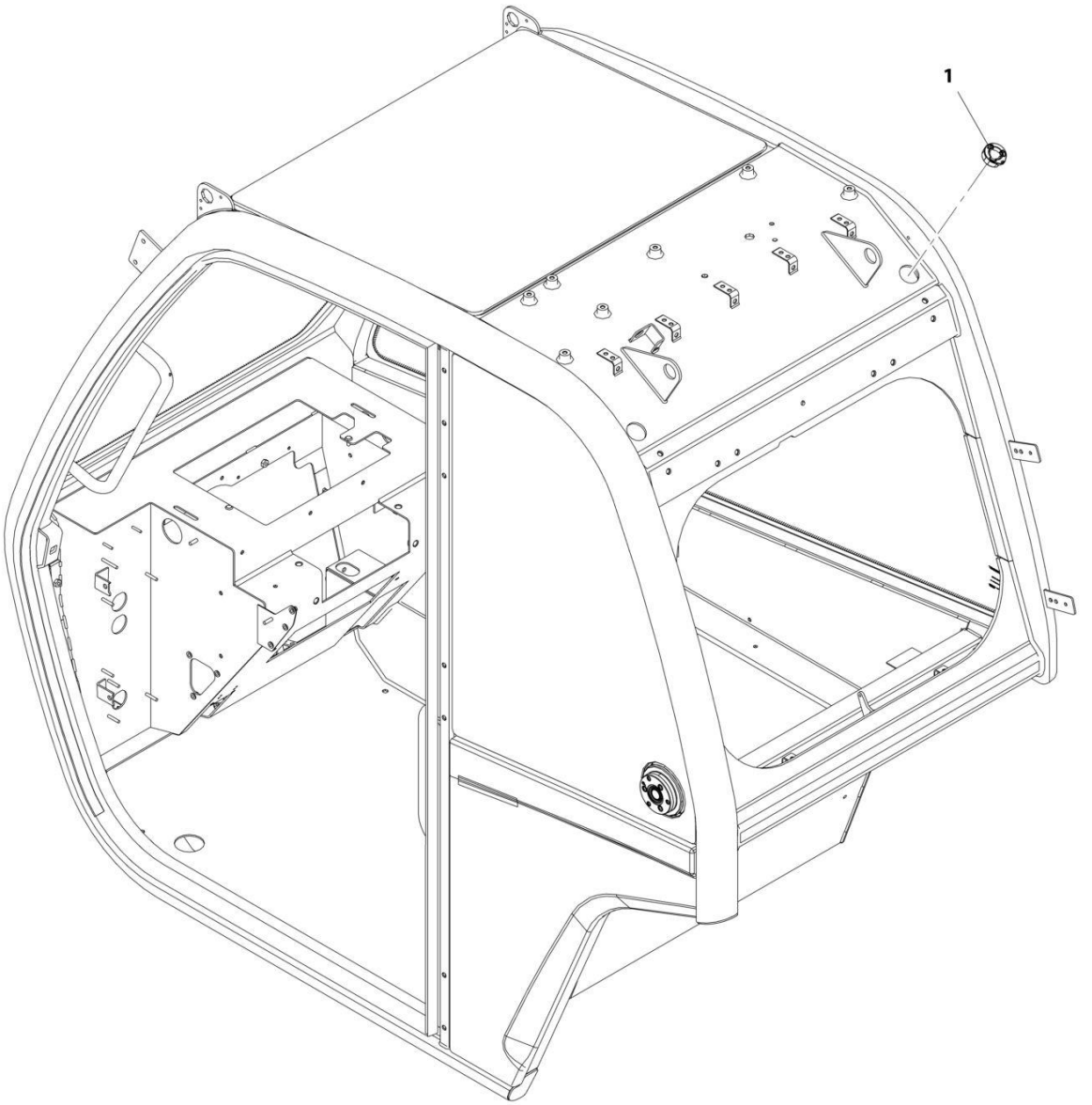


FIGURE 6-70. ROOF PIGTAIL CAP INSTALLATION

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

FIGURE 6-71. ROOF PIGTAIL INSTALLATION

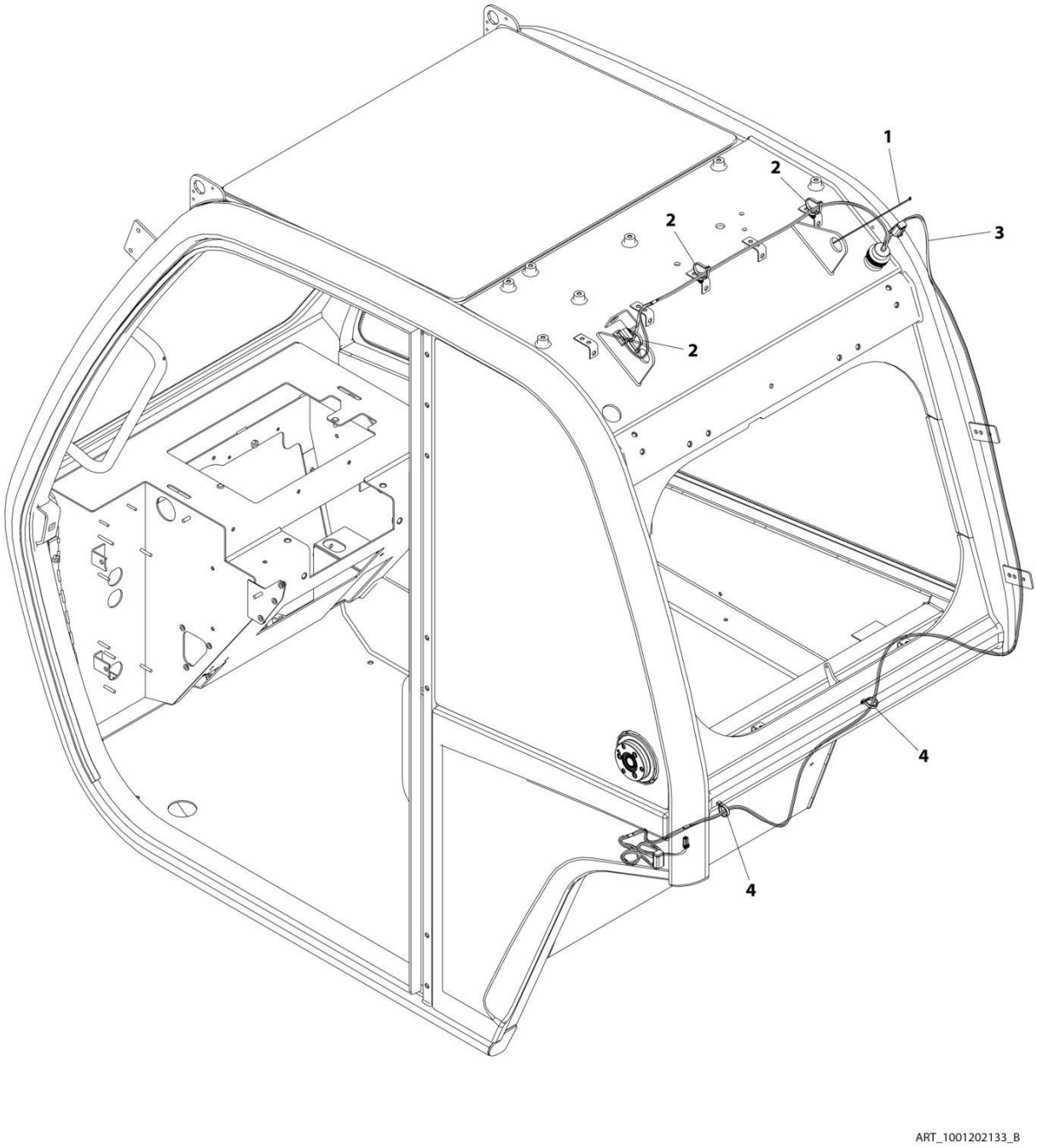
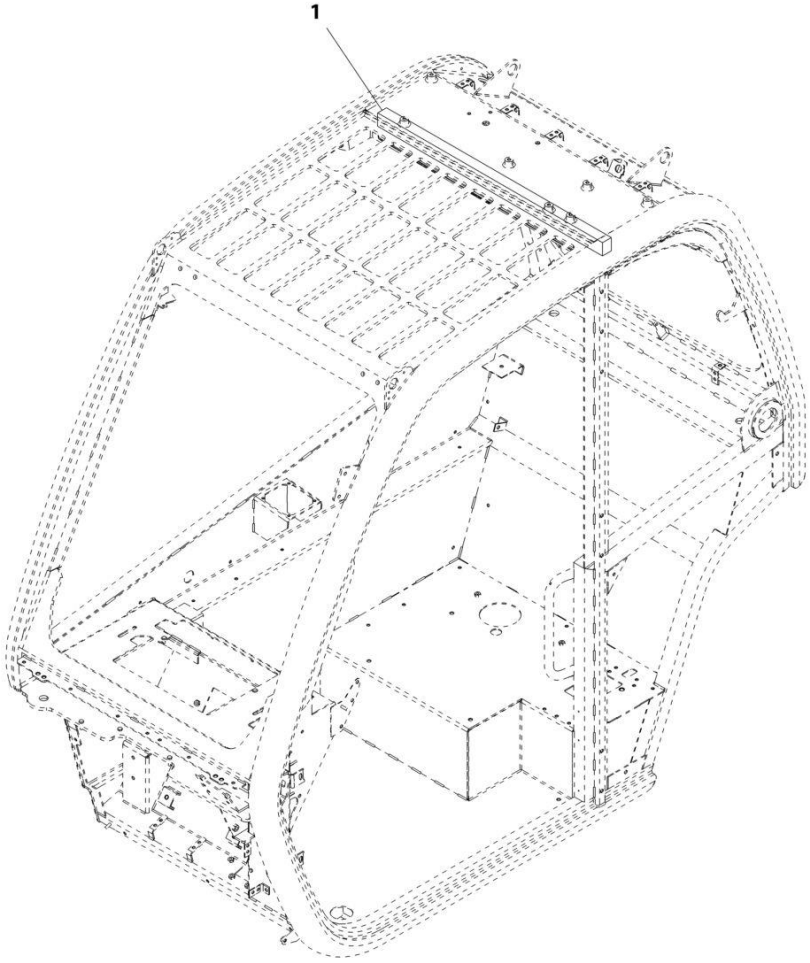


FIGURE 6-71. ROOF PIGTAIL INSTALLATION

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 6-72. NO SUNSCREEN INSTALLATION



ART_1001211041-A

FIGURE 6-72. NO SUNSCREEN INSTALLATION

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

FIGURE 6-73. RETRACTABLE SUNSCREEN INSTALLATION

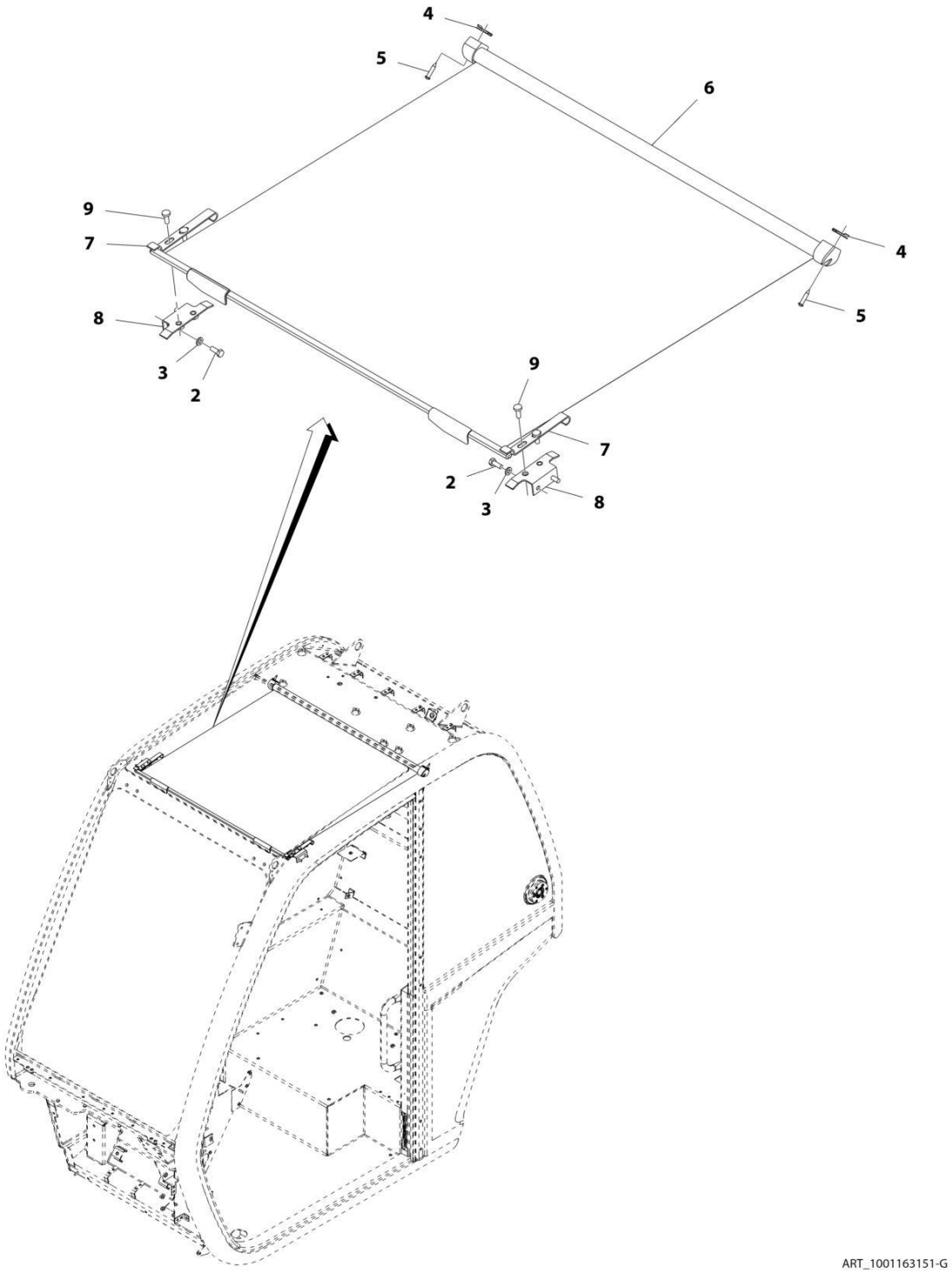


FIGURE 6-73. RETRACTABLE SUNSCREEN INSTALLATION

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

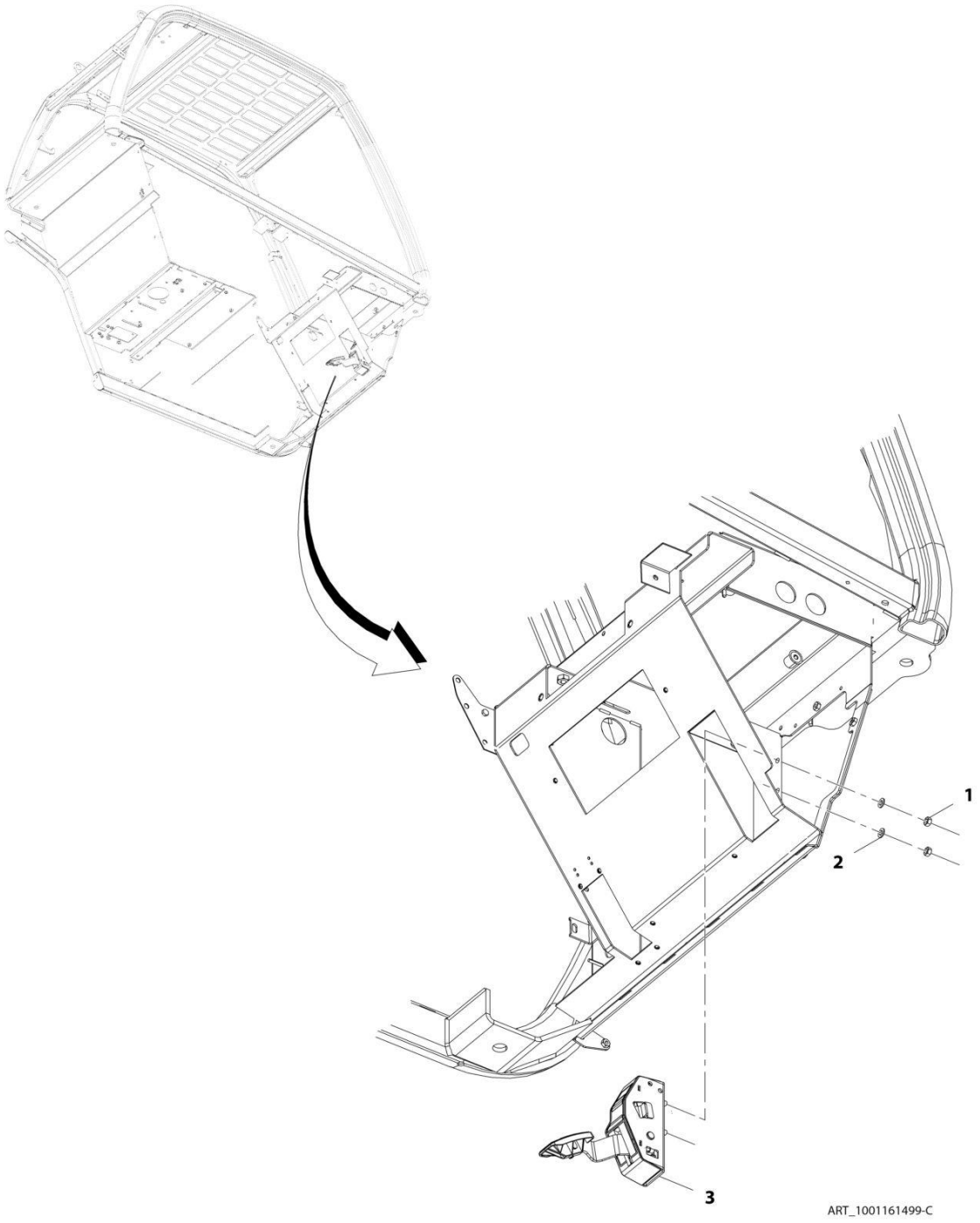


FIGURE 7-1. ACCELERATOR PEDAL INSTALLATION

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

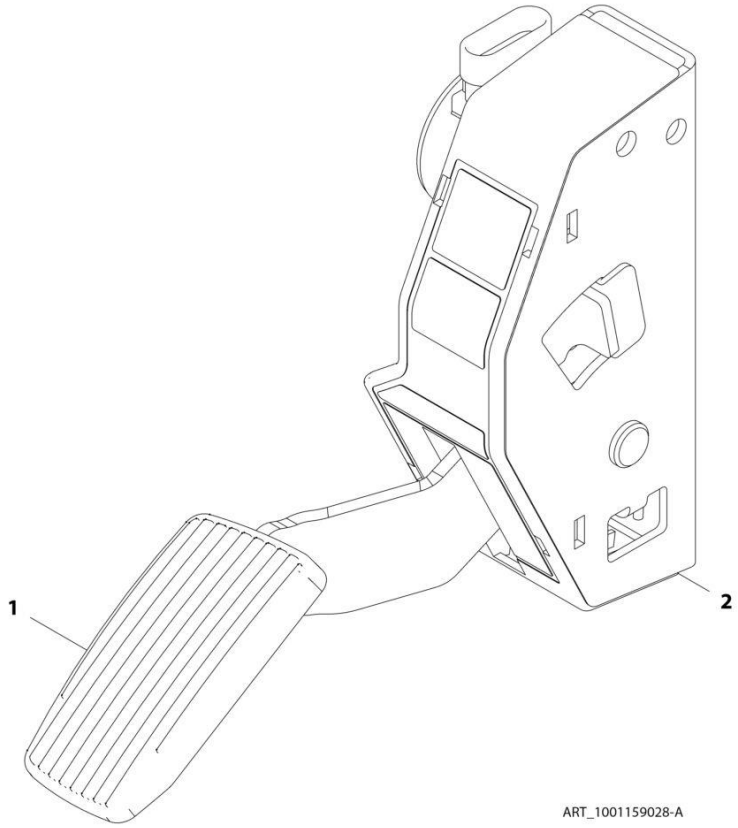


FIGURE 7-2. ACCELERATOR PEDAL

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

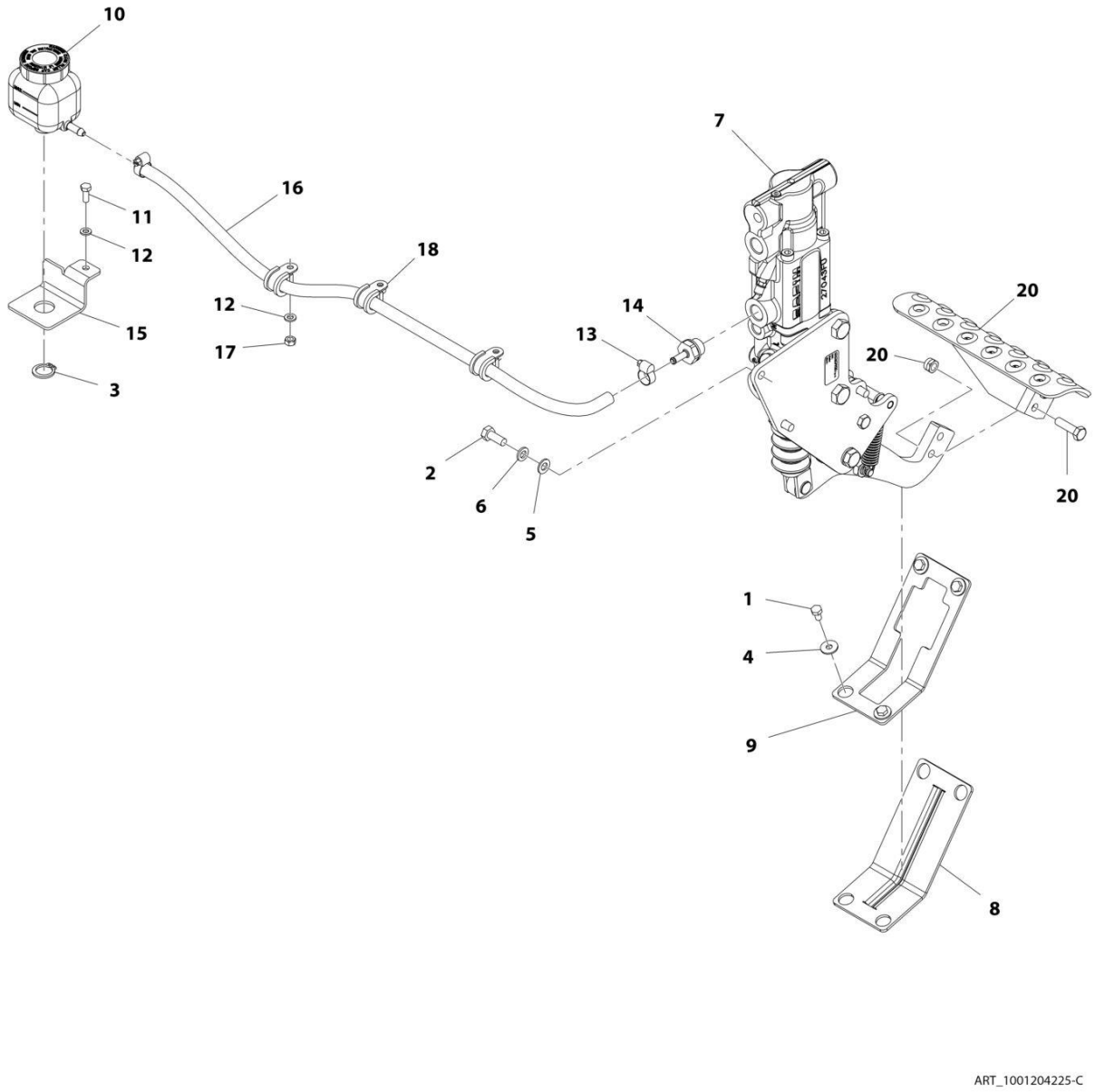
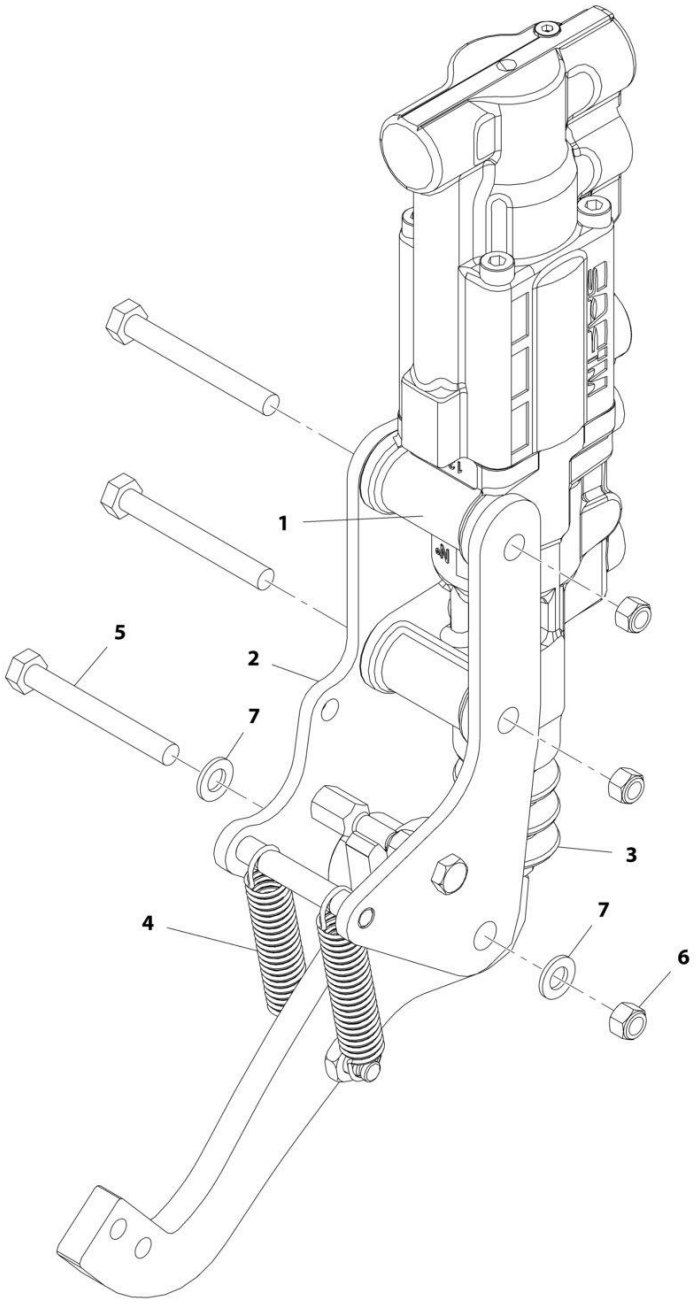


FIGURE 7-3. BRAKE PEDAL INSTALLATION

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

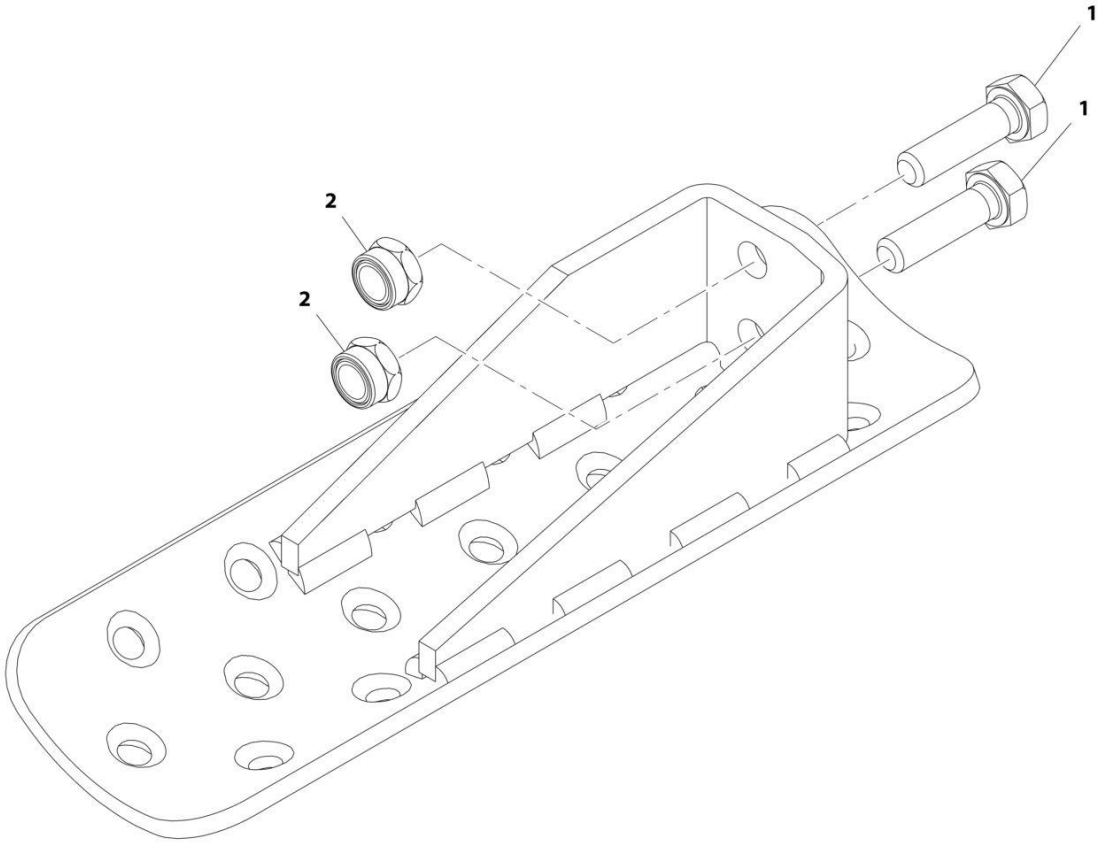


FIGURE 7-5. BRAKE PEDAL PLATE

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

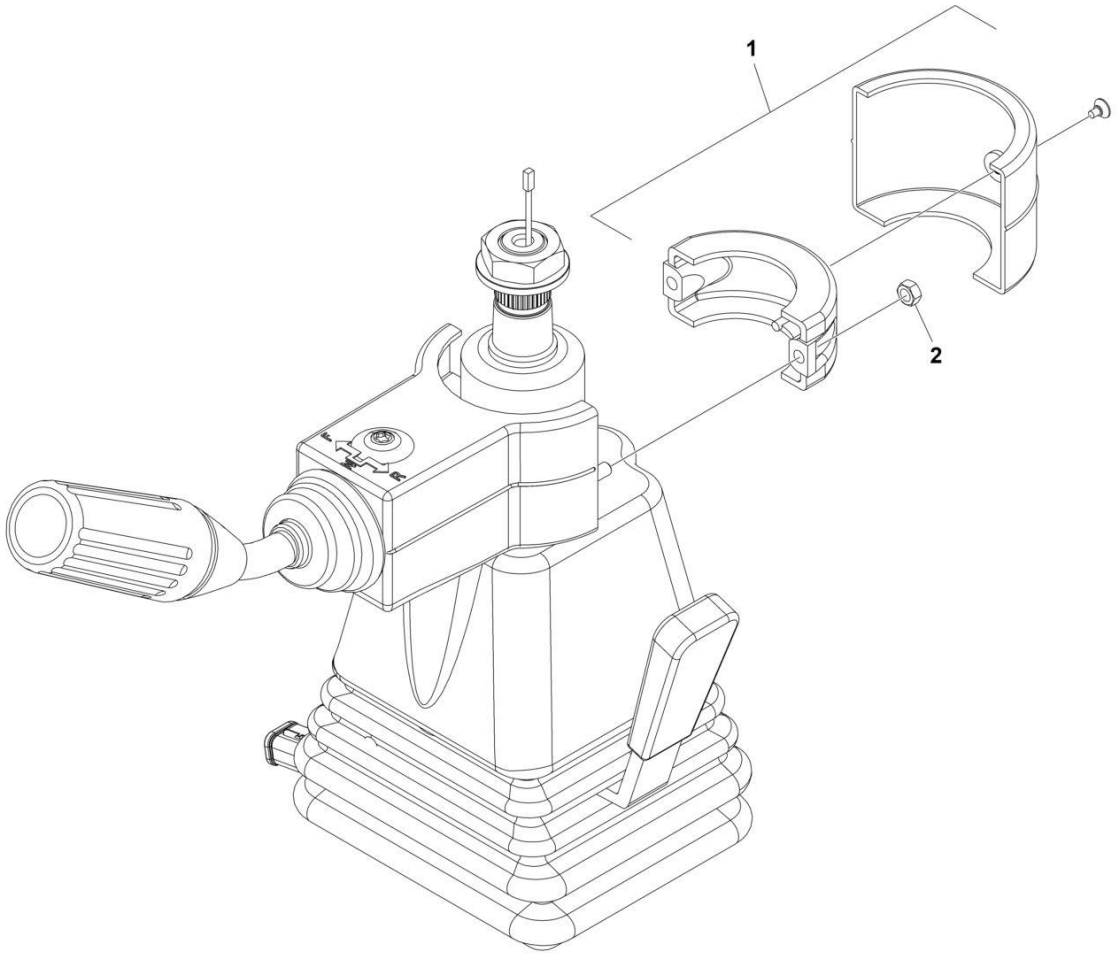
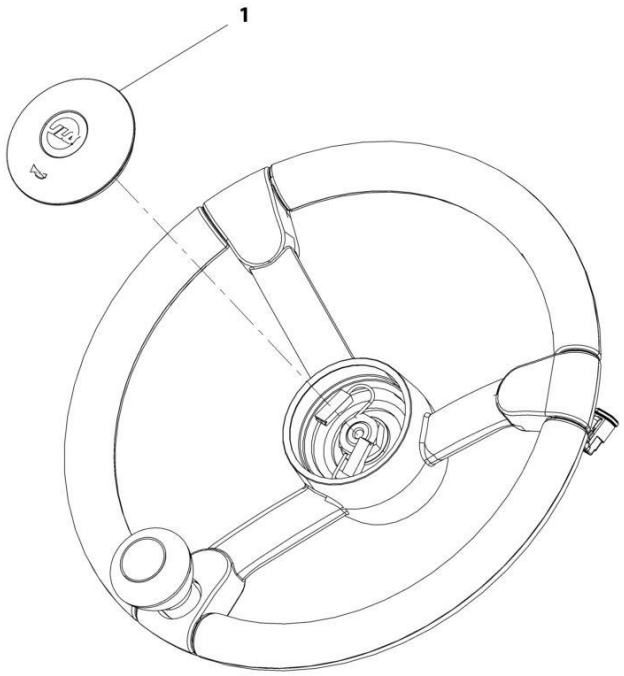


FIGURE 7-6. COLUMN CLAMP INSTALLATION

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)

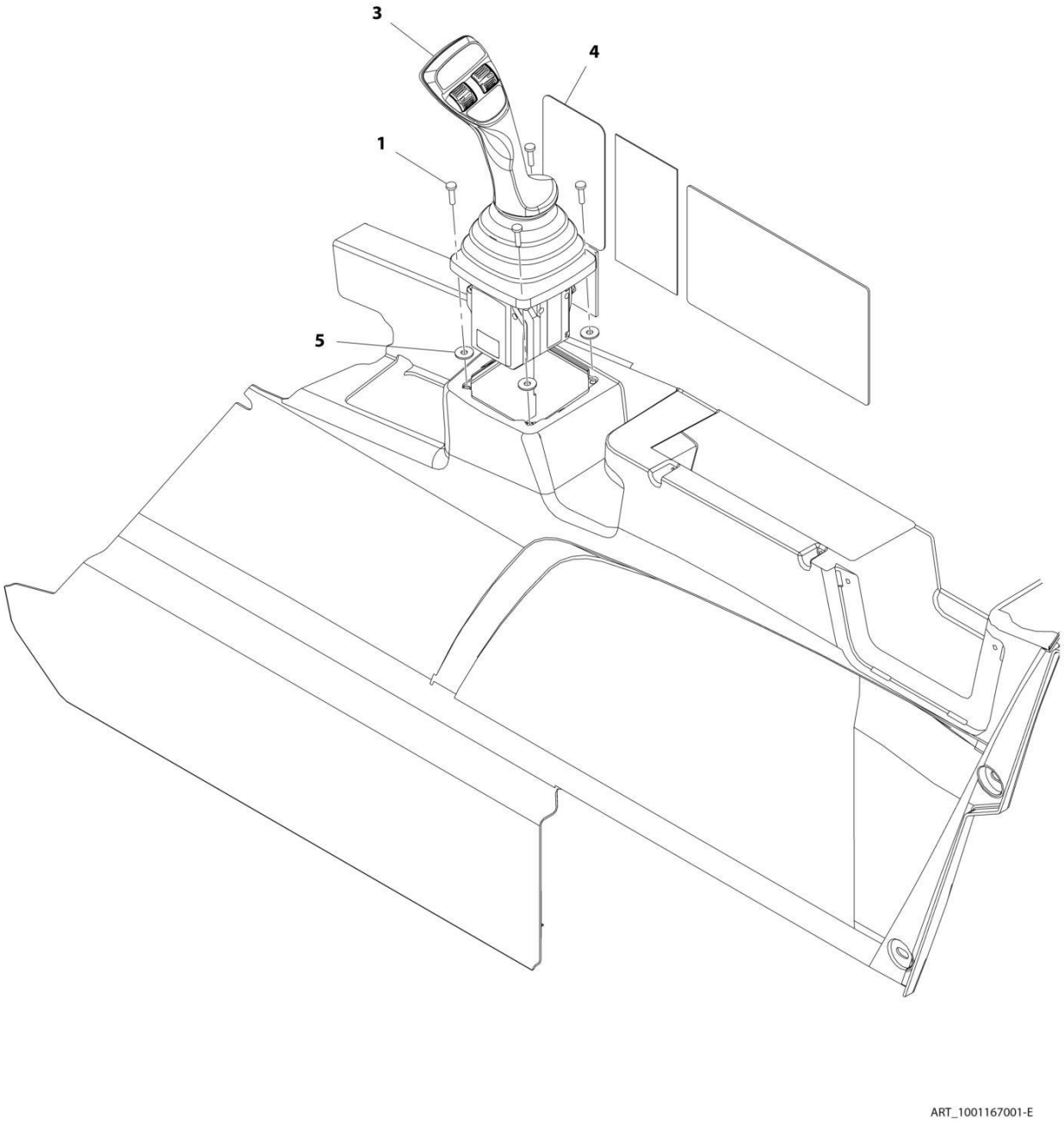


FIGURE 7-8. JOYSTICK INSTALLATION (2 ROLLER, 0 BUTTON)

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

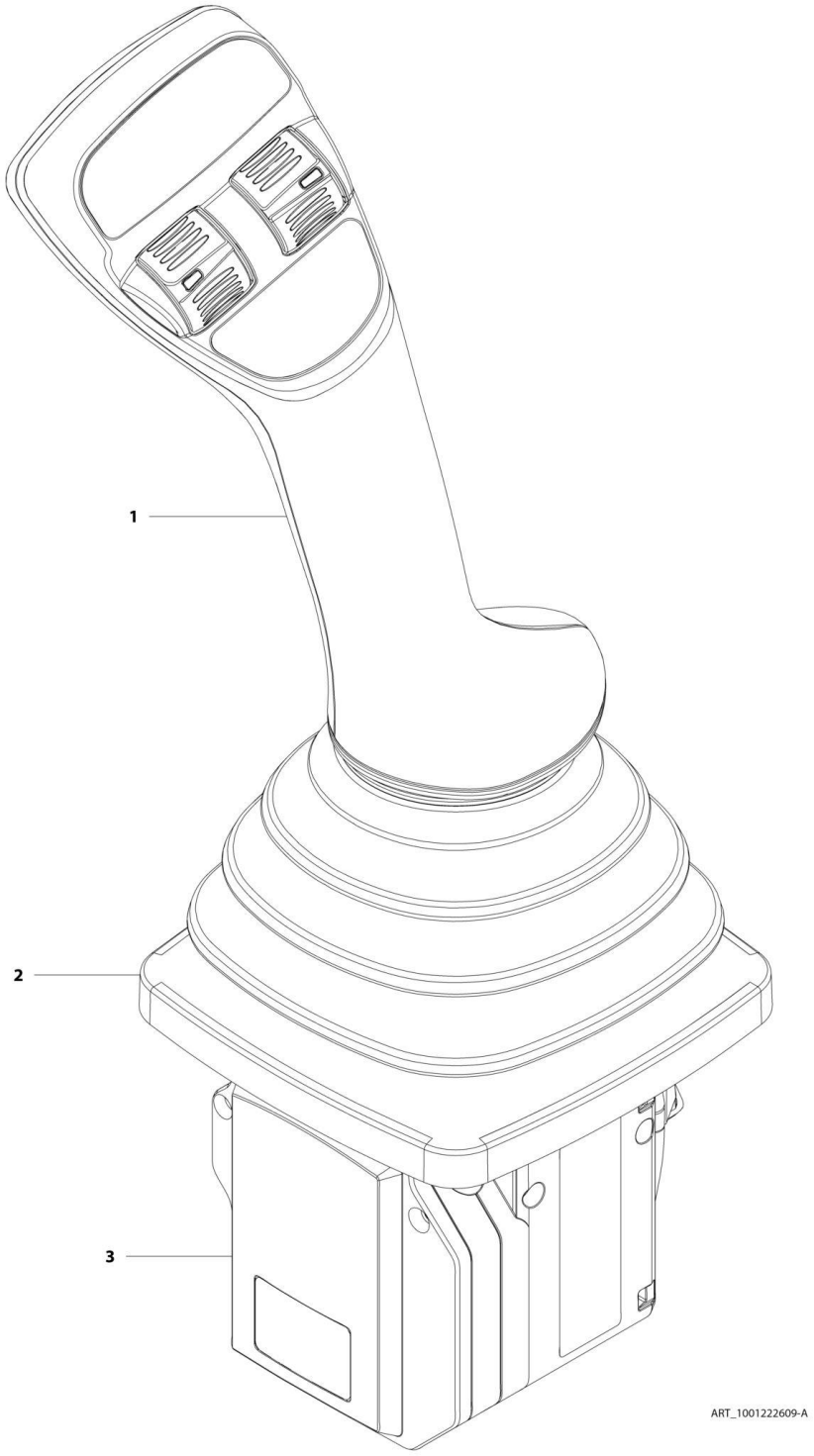


FIGURE 7-9. JOYSTICK

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. OUTRIGGER SWITCHES INSTALLATION

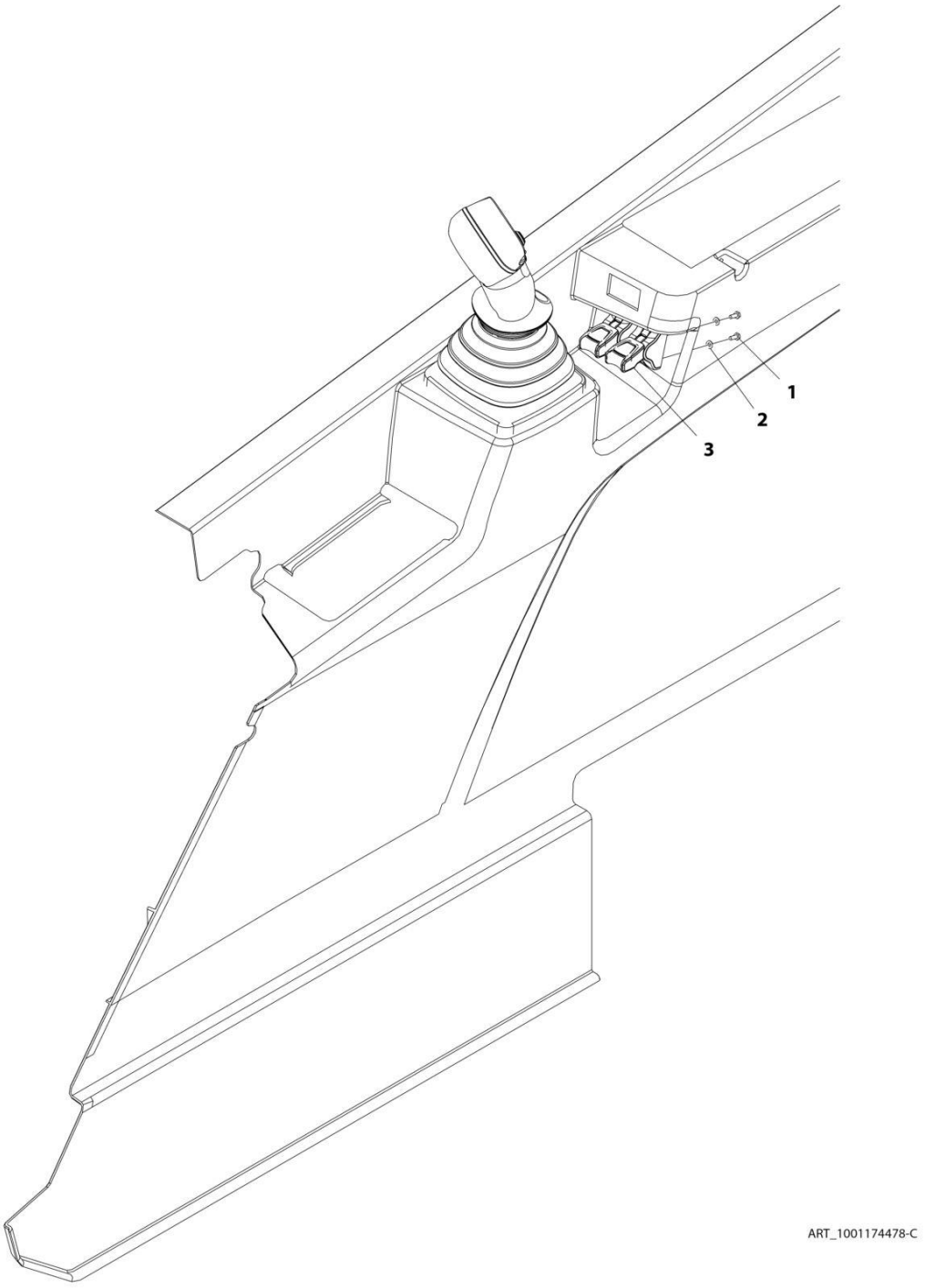


FIGURE 7-10. OUTRIGGER SWITCHES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174478	Ref	Outrigger Switches Installation	C
1	0760304	4	Bolt, M3X8 GR8.8	
2	1001110544	4	Washer, M3	
3	1001242098	2	Control, Fingertip Joystick	

FIGURE 7-11. STEERING COLUMN INSTALLATION

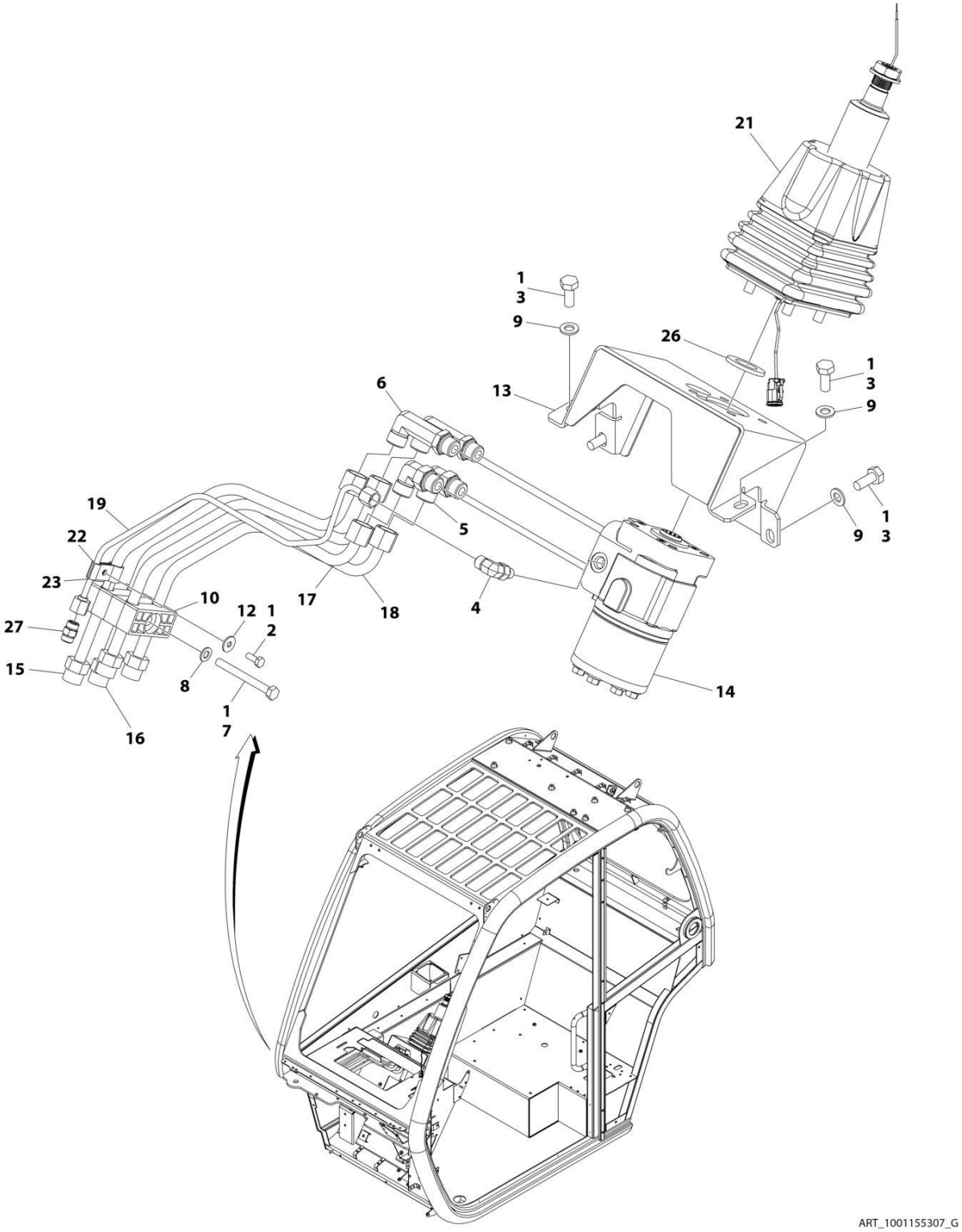


FIGURE 7-11. STEERING COLUMN INSTALLATION

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 7-12. EMERGENCY STEERING COLUMN INSTALLATION

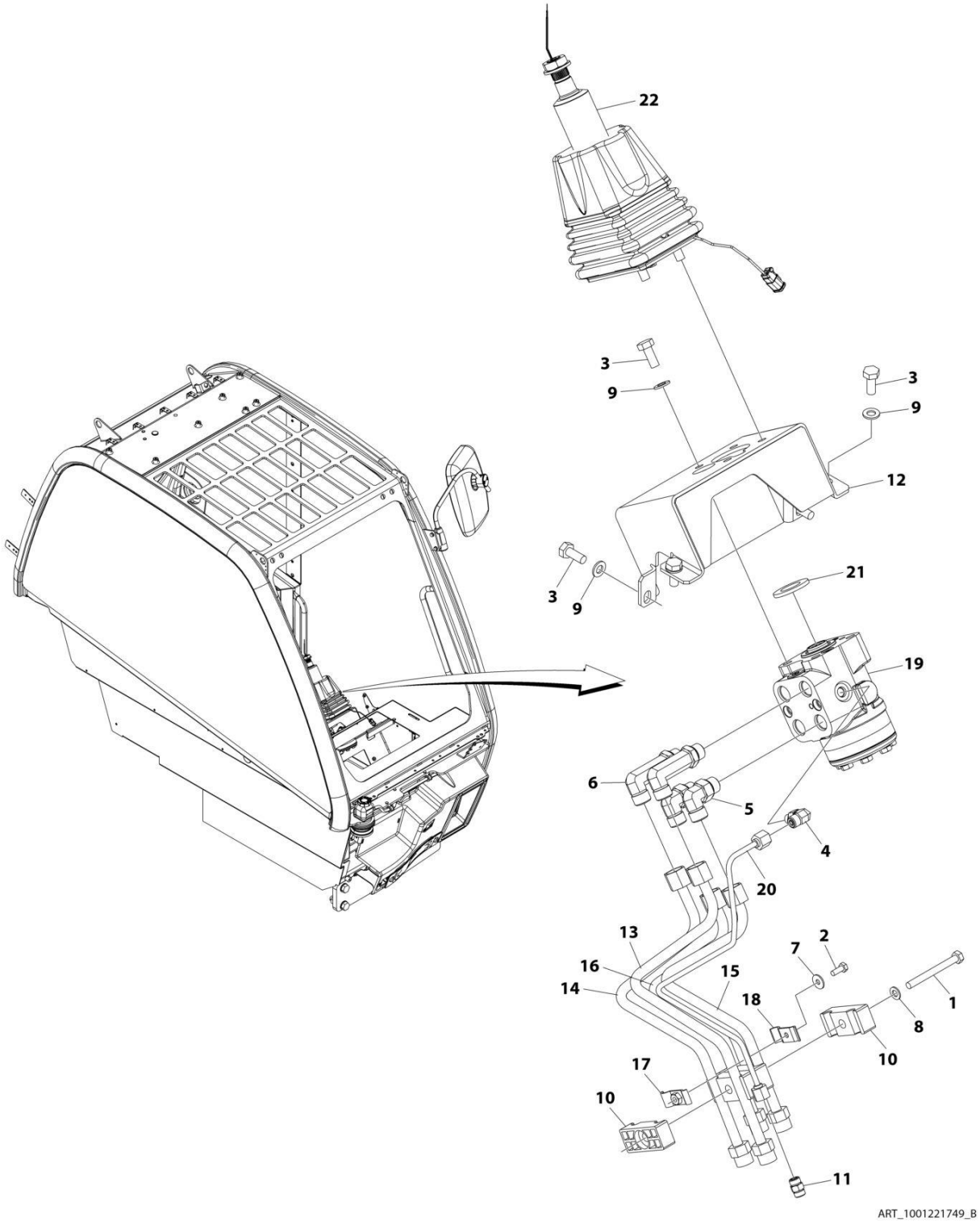


FIGURE 7-12. EMERGENCY STEERING COLUMN INSTALLATION

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 7-13. STEERING WHEEL INSTALLATION

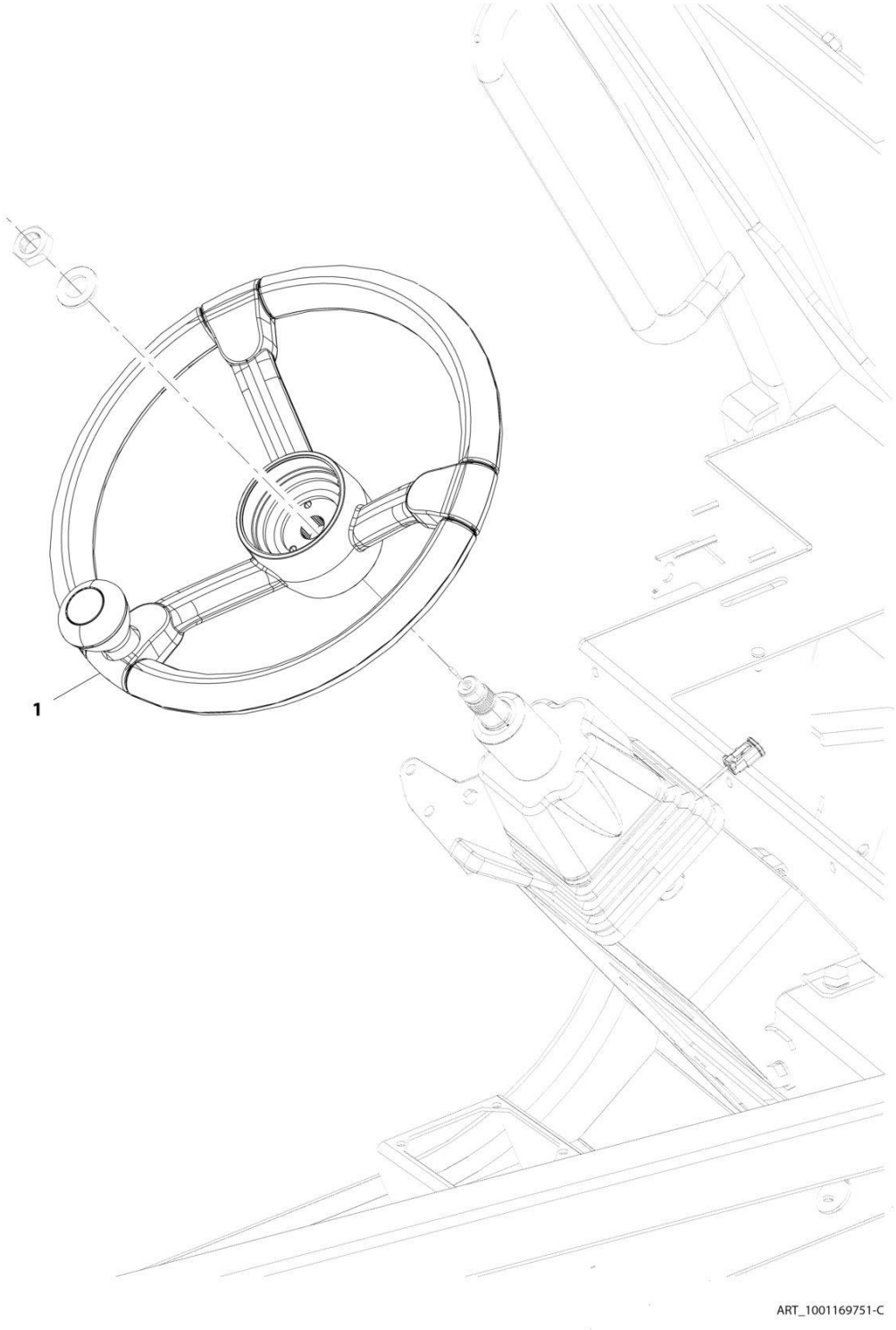
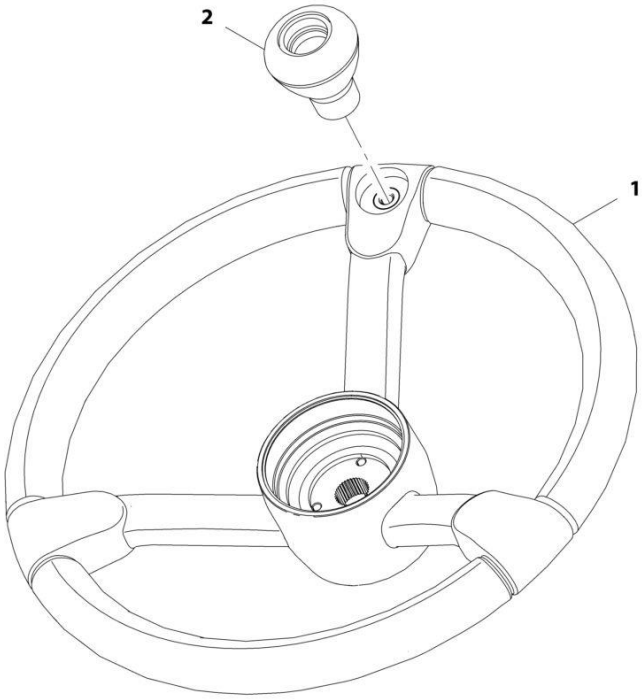


FIGURE 7-13. STEERING WHEEL INSTALLATION

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

FIGURE 7-14. STEERING WHEEL

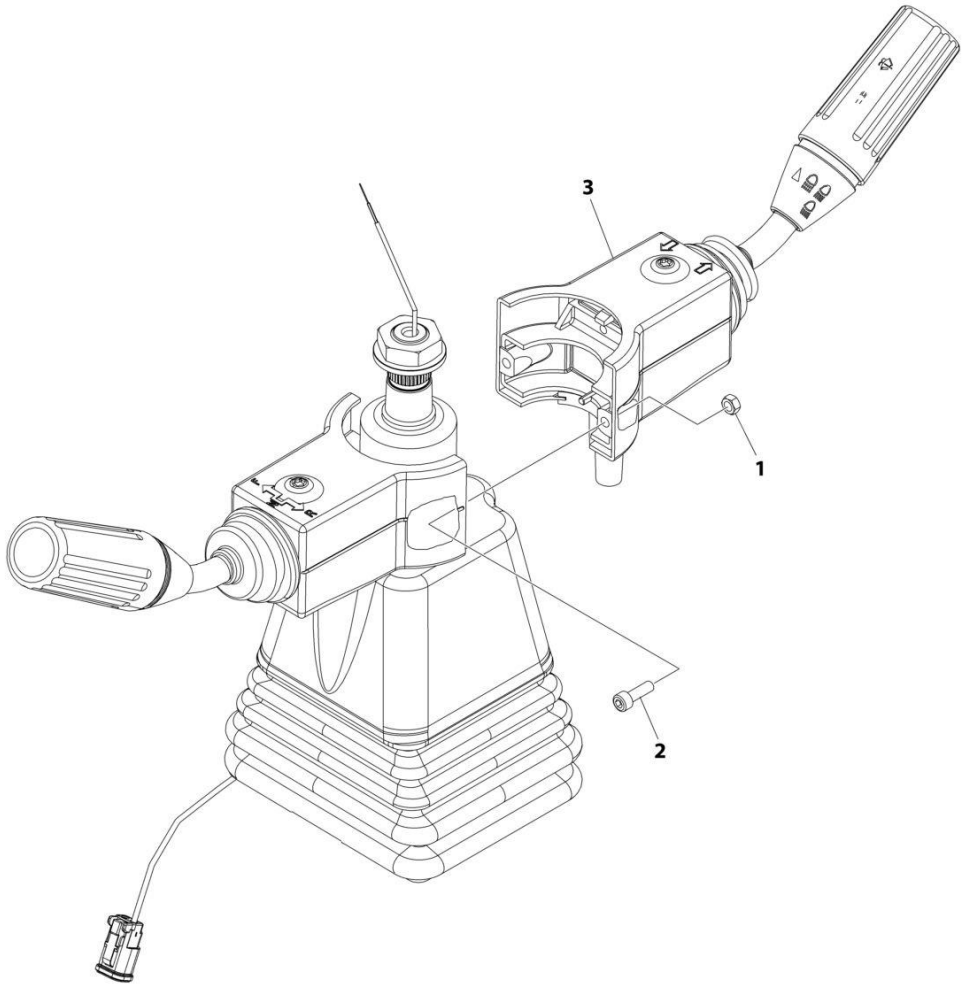


ART_1001169354-D

FIGURE 7-14. 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 7-15. WIPER-TURN SWITCH



ART_1001257071

FIGURE 7-15. 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 (OUTRIGGERS)

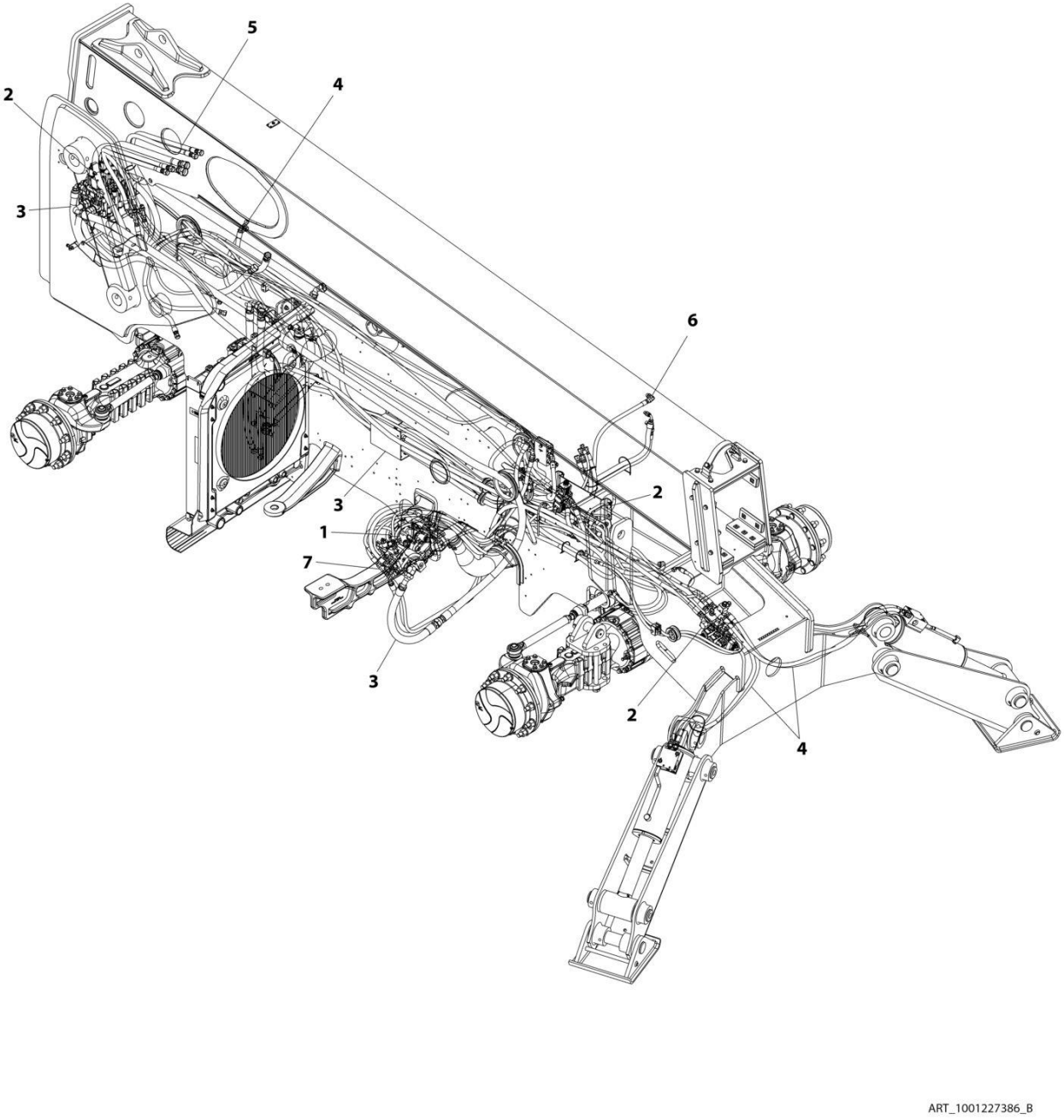


FIGURE 8-1. MAIN HYDRAULIC INSTALLATION (OUTRIGGERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227386	Ref	Main Hydraulic Installation (Outriggers)	B
1	1001162670	Ref	Installation, Piston Pump (See Separate Breakdown in this Section)	
2	1001225749	Ref	Installation, Valve (See Separate Breakdown in this Section)	
3	1001227497	Ref	Installation, Main Hydraulics (See Separate Breakdown in this Section)	
4	1001168469	Ref	Installation, Frame Level Hydraulics (See Separate Breakdown in this Section)	
5	1001170100	Ref	Installation, Boom Hydraulic (See Separate Breakdown in this Section)	
6	1001175789	Ref	Installation, Cab Hydraulics (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 (OUTRIGGERS)

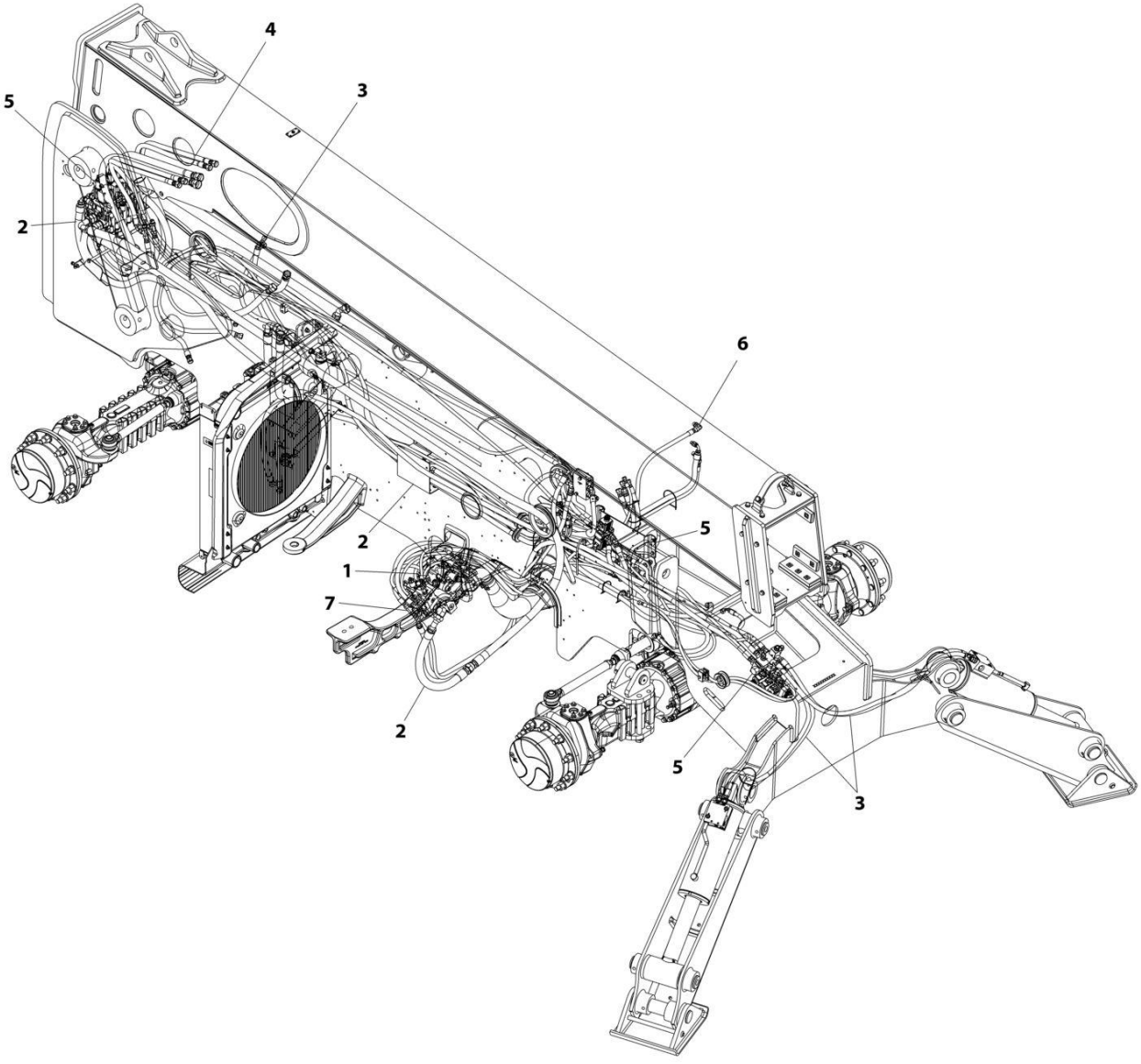


FIGURE 8-2. MAIN HYDRAULIC INSTALLATION, EMERGENCY STEERING (OUTRIGGERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227388	Ref	Main Hydraulic Installation, Emergency Steering (Outriggers)	B
1	1001162670	Ref	Installation, Piston Pump (See Separate Breakdown in this Section)	
2	1001227497	Ref	Installation, Hydraulic Lines (74HP) (See Separate Breakdown in this Section)	
3	1001168469	Ref	Installation, Frame Level Hydraulics (Outriggers) (See Separate Breakdown in this Section)	
4	1001170100	Ref	Installation, Boom Hydraulic (See Separate Breakdown in this Section)	
5	1001225749	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

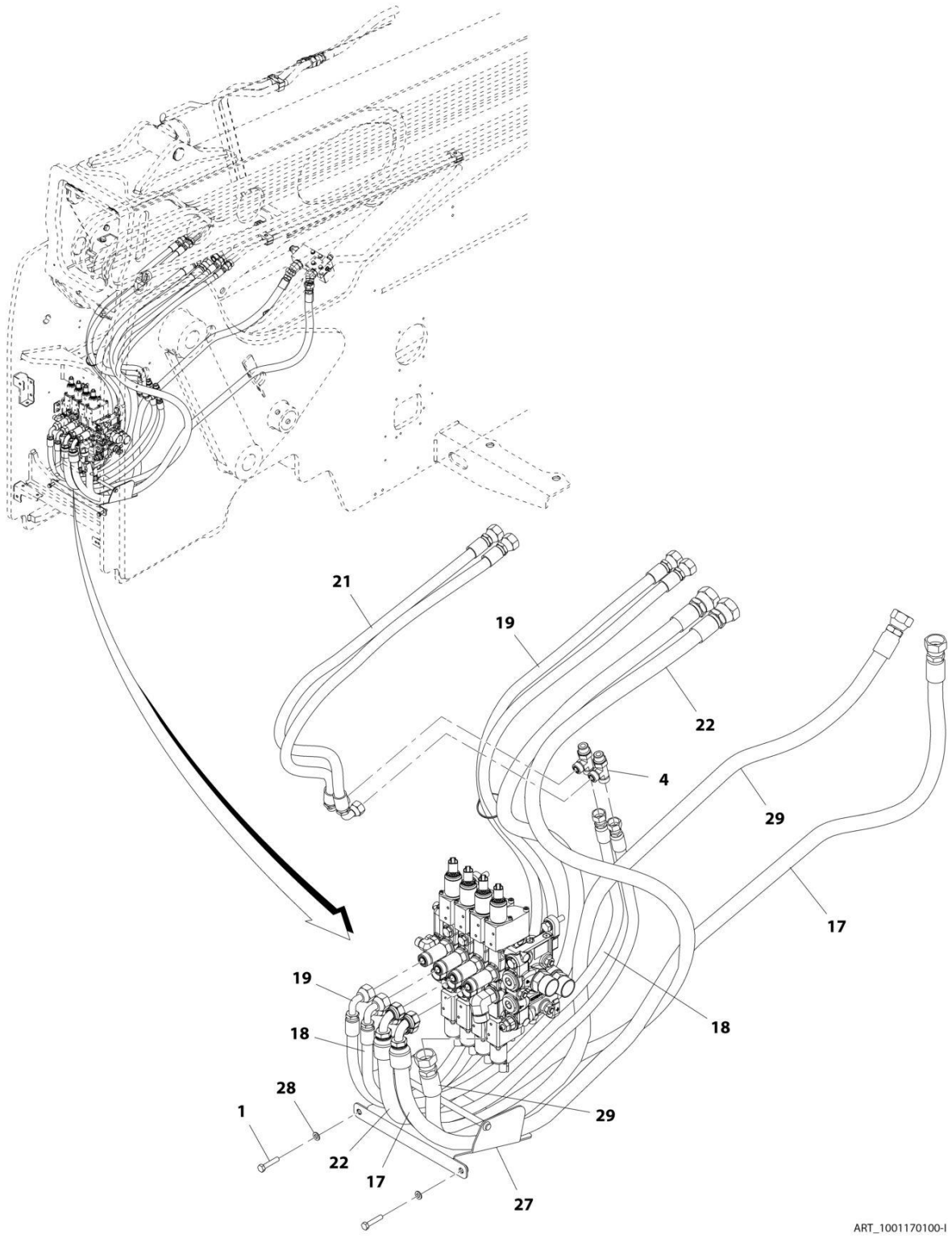


FIGURE 8-3. BOOM HYDRAULIC INSTALLATION

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

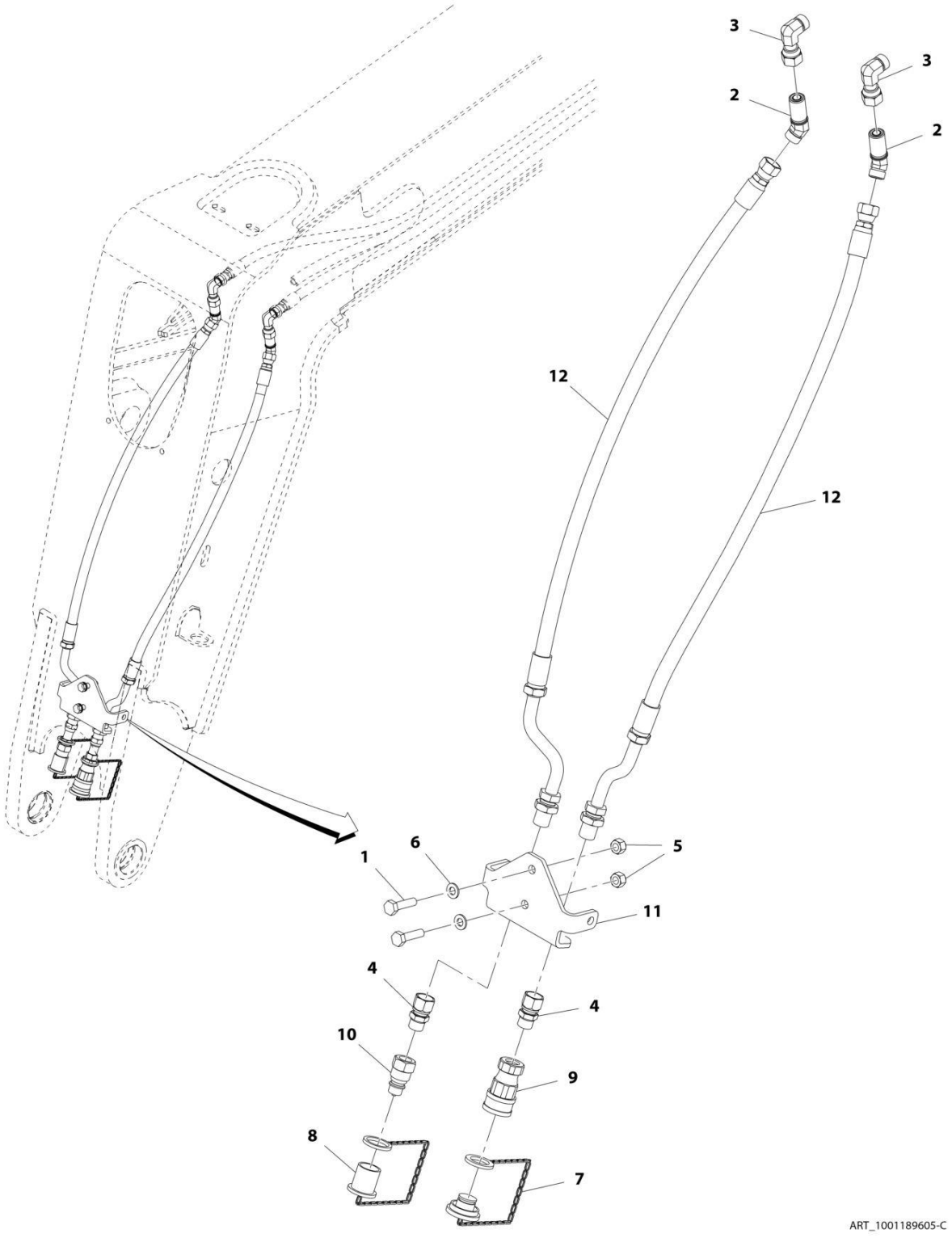


FIGURE 8-4. BOOM AUXILIARY HYDRAULICS INSTALLATION

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)

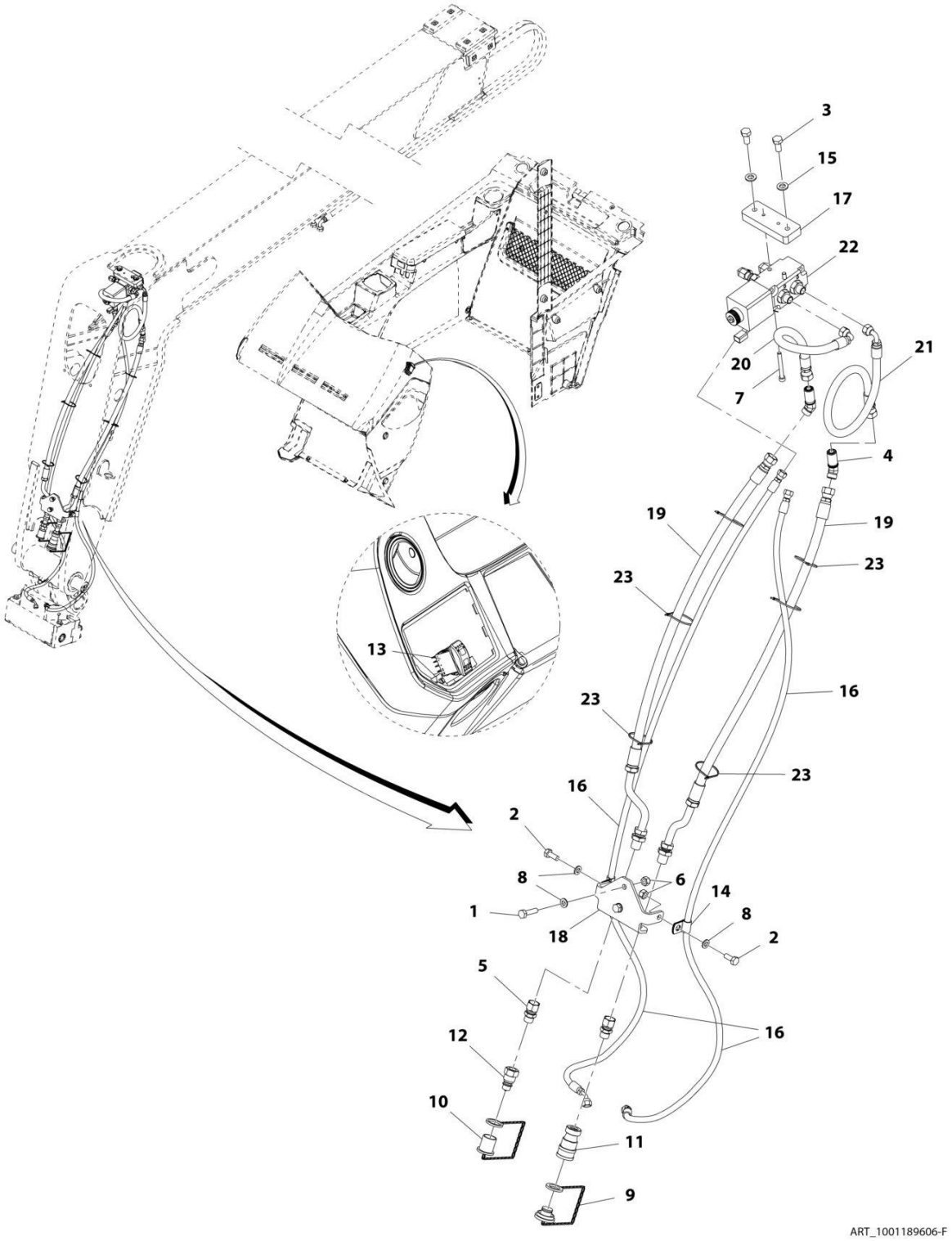


FIGURE 8-5. BOOM AUXILIARY HYDRAULICS (HYDRAULIC COUPLER)

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. QUICK COUPLER VALVE ASSEMBLY

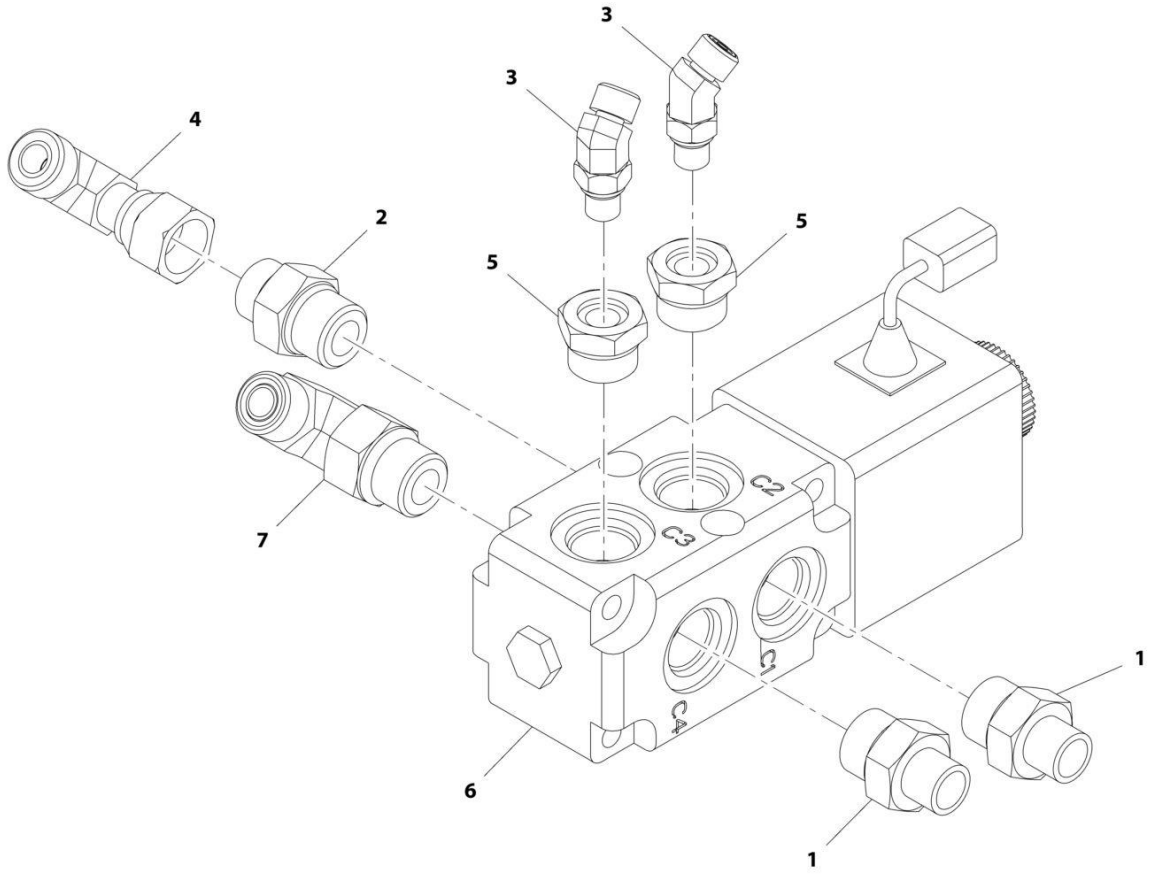


FIGURE 8-6. QUICK COUPLER VALVE ASSEMBLY

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

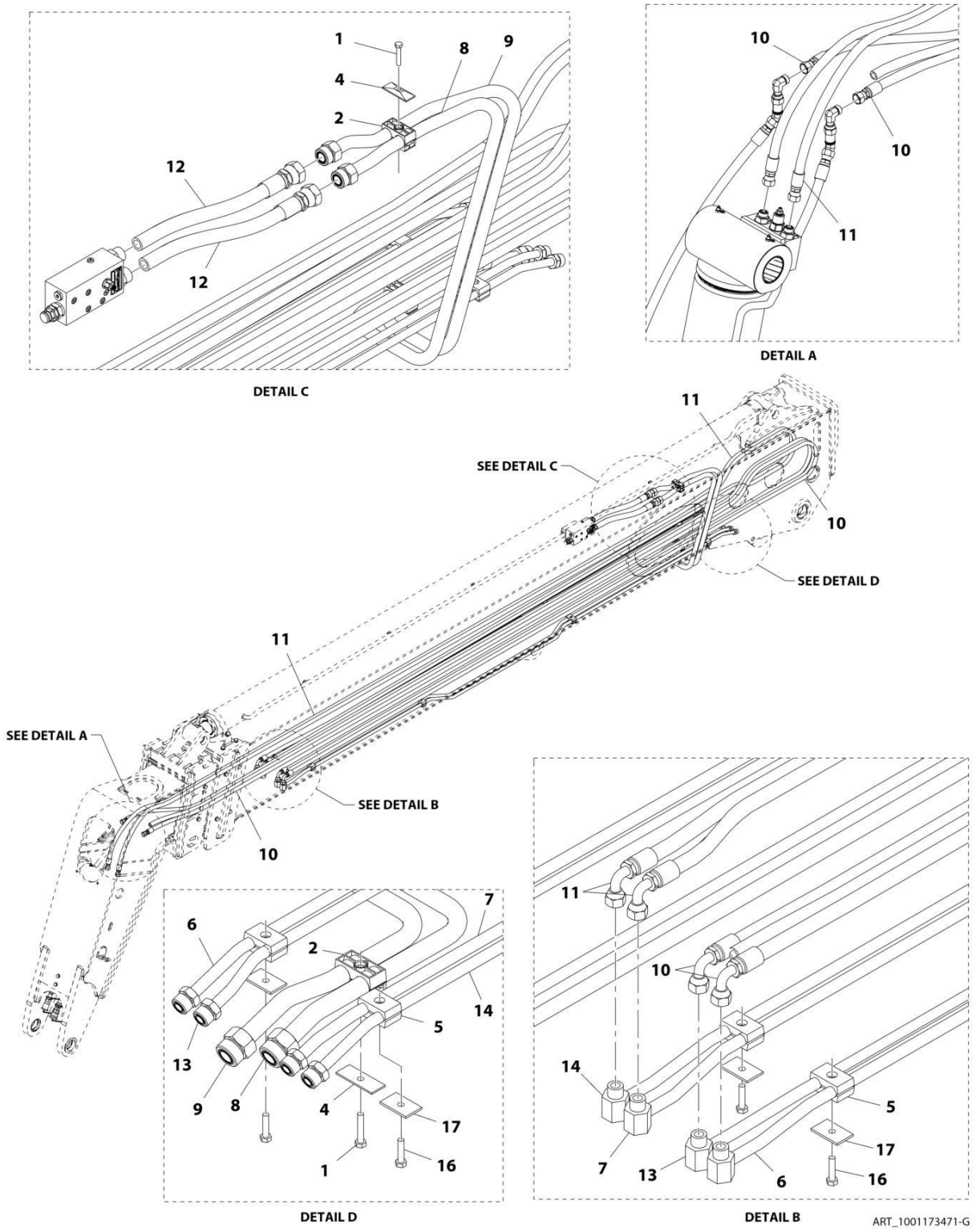


FIGURE 8-7. BOOM HYDRAULIC TUBES INSTALLATION

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

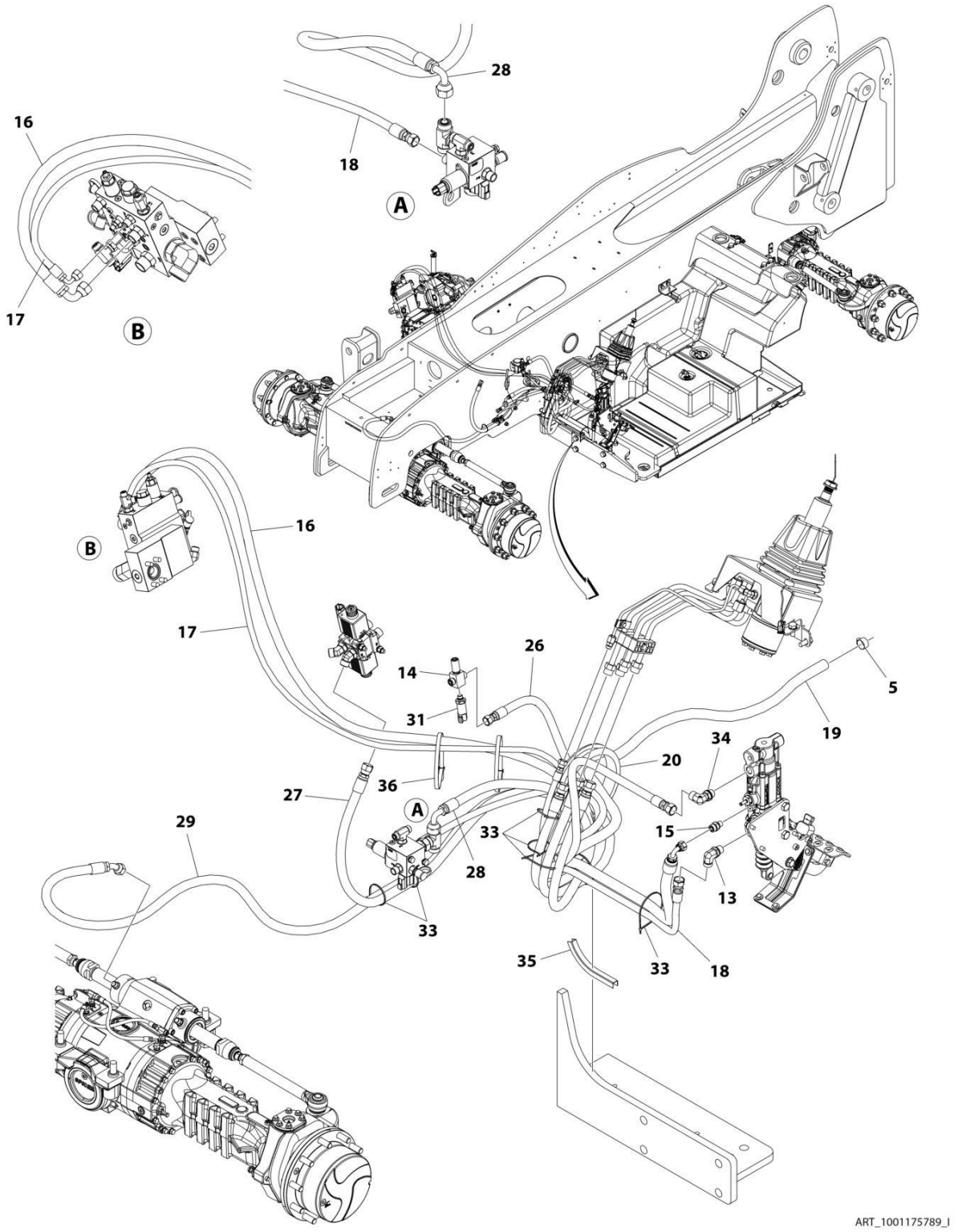


FIGURE 8-8. CAB HYDRAULIC INSTALLATION

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 HYDRAULIC INSTALLATION, EMERGENCY STEERING

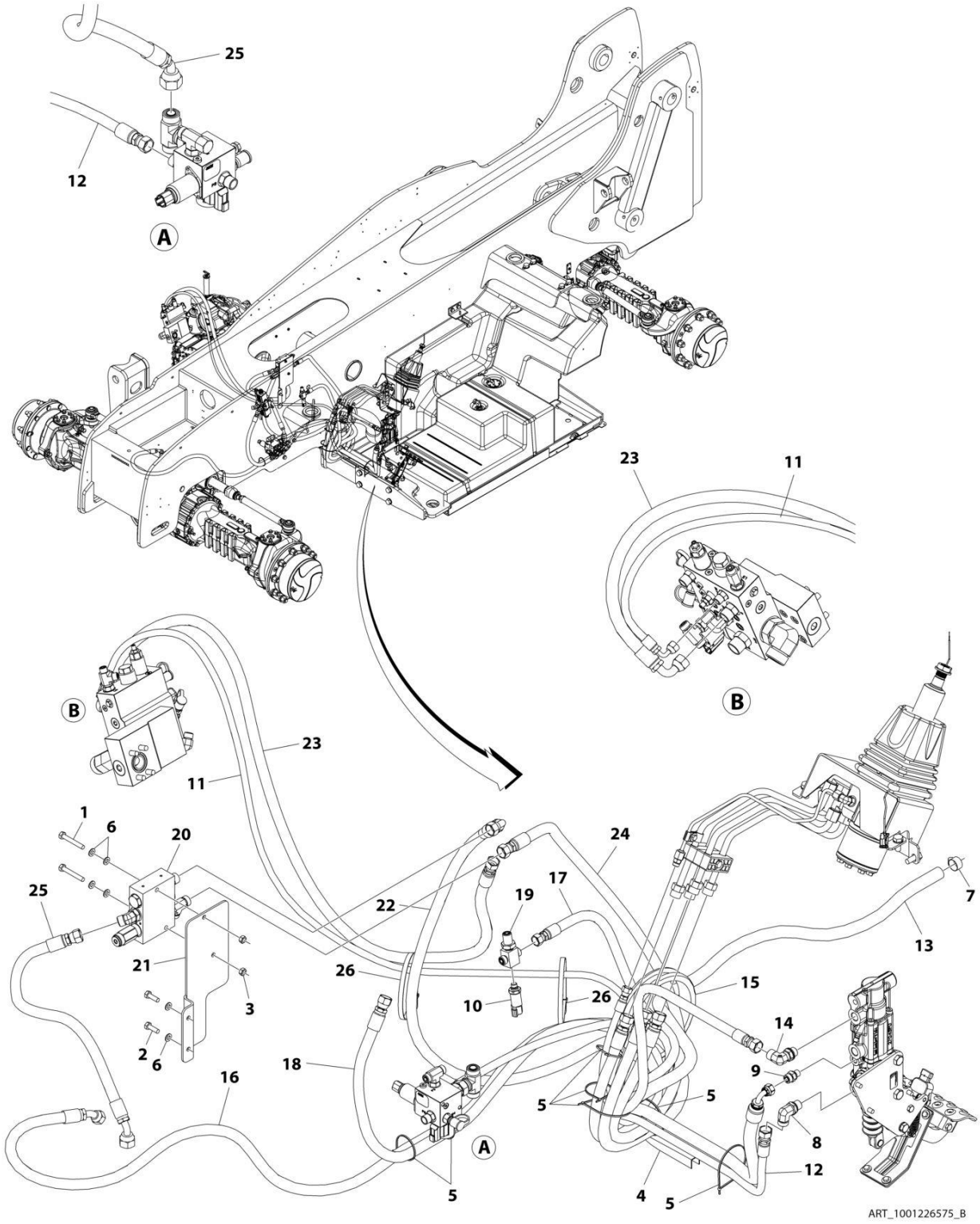


FIGURE 8-9. CAB HYDRAULIC INSTALLATION, EMERGENCY STEERING

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 - GLS NO RIDE CONTROL)

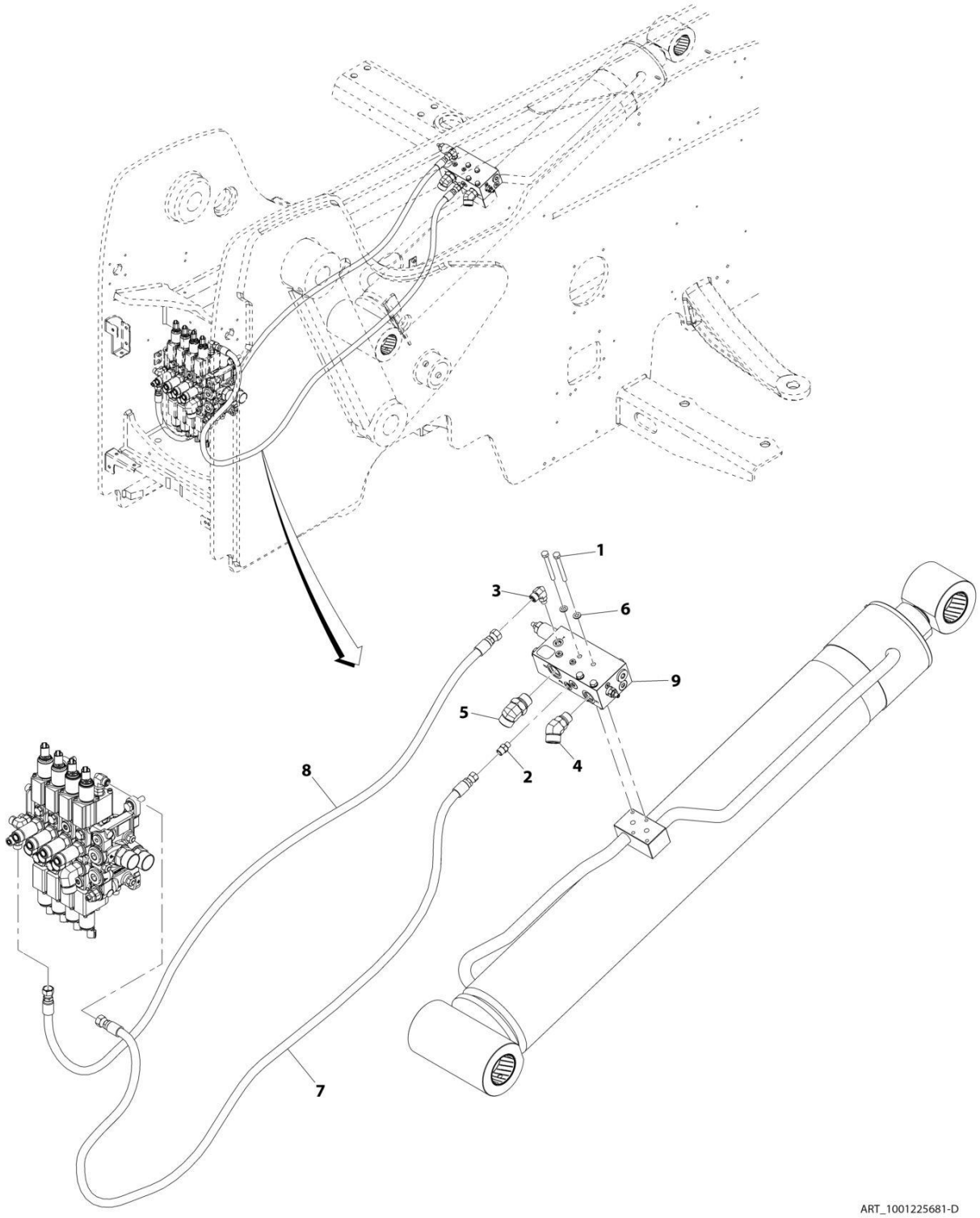


FIGURE 8-10. COUNTERBALANCE VALVE INSTALLATION (LIFT - GLS NO RIDE CONTROL)

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)

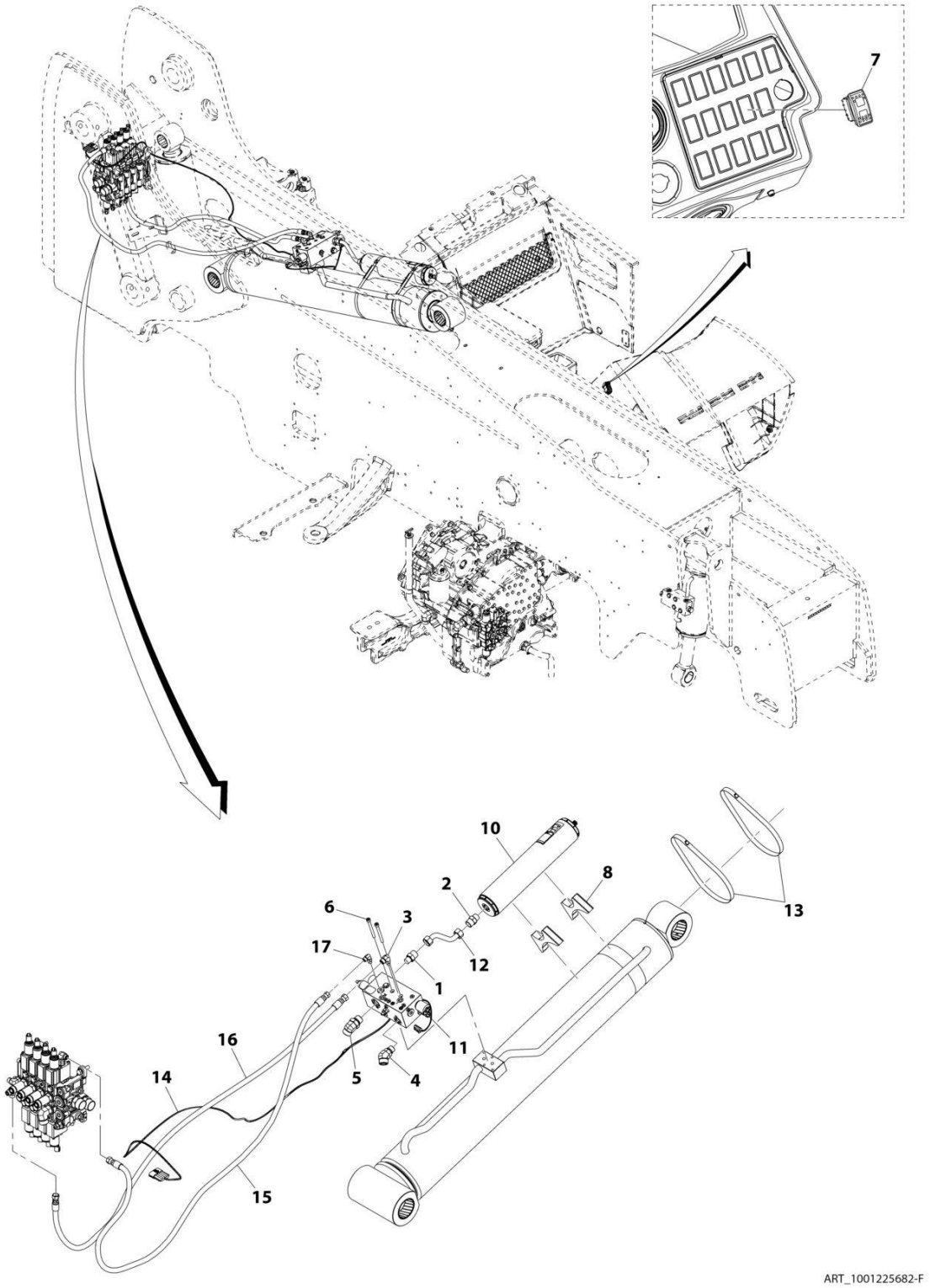
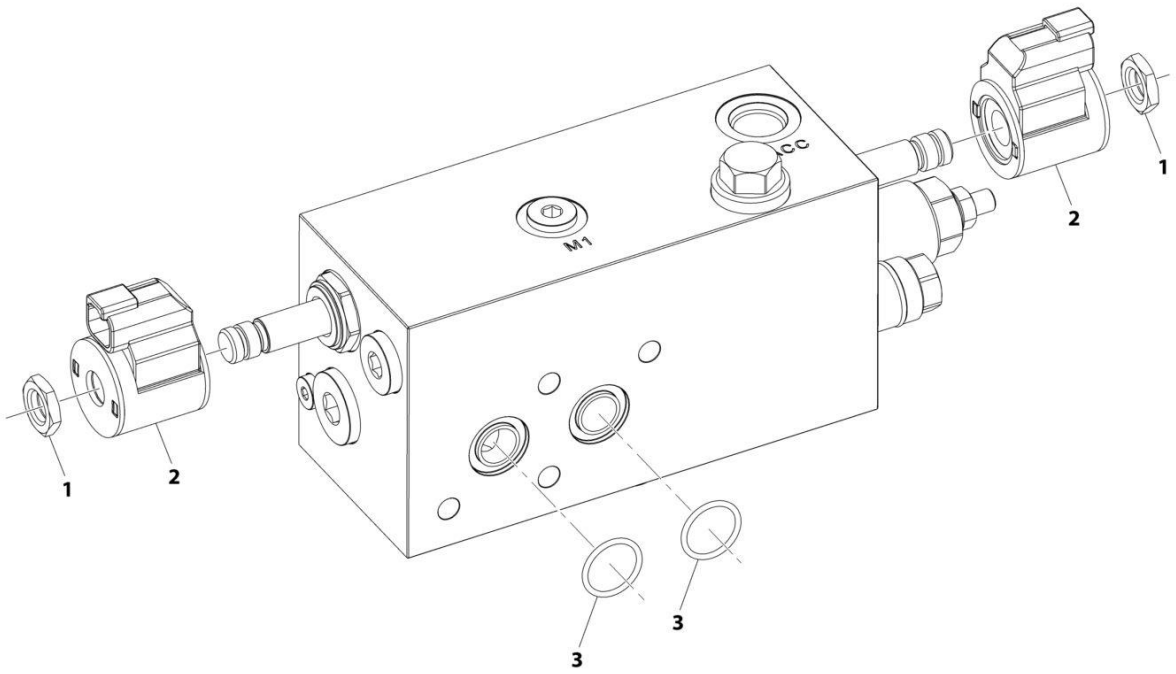


FIGURE 8-11. COUNTERBALANCE VALVE HYDRAULIC LINES (LIFT - RIDE CONTROL)

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)

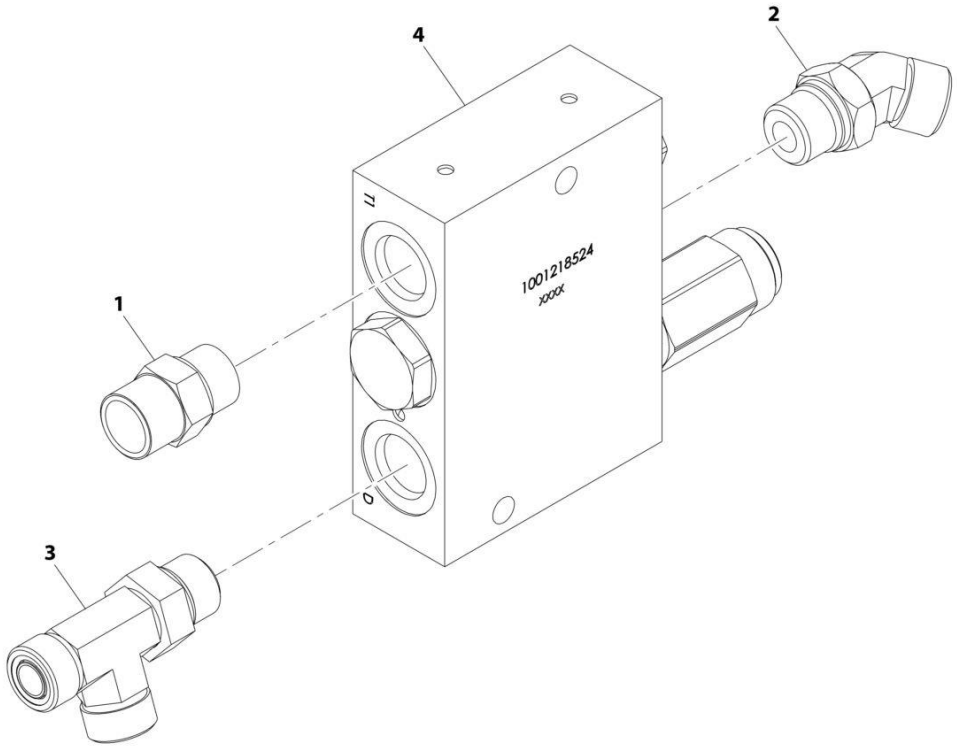


ART_1001227056-D

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

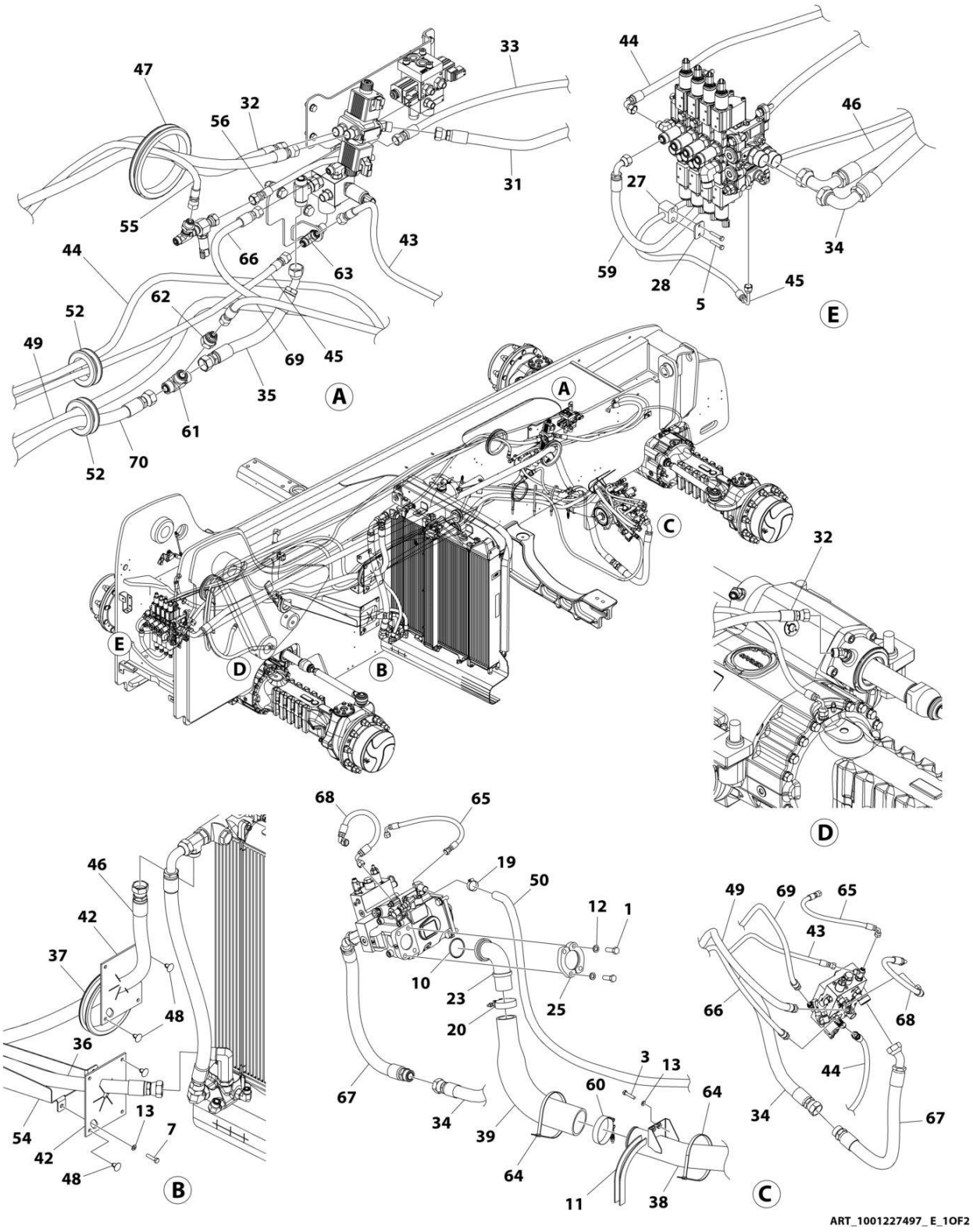


ART_1001219191-A

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



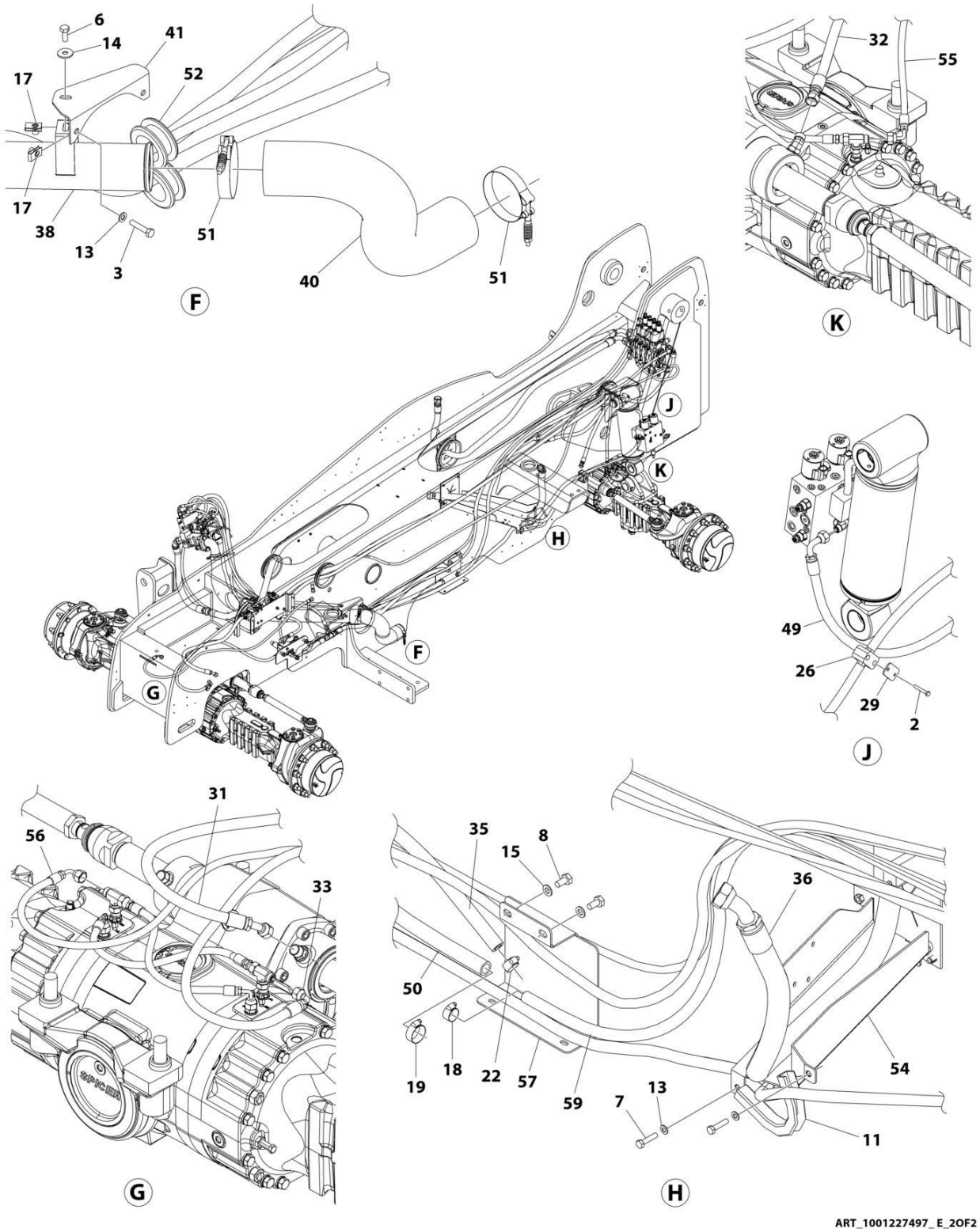

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ART_1001227497_E_2OF2

FIGURE 8-14. FRAME HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227497	Ref	Hydraulic Lines Installation	E
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	1	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	1	Washer M8	
15	4812000	2	Washer M10	
17	8310686	3	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	3	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	

FIGURE 8-15. FRAME LEVEL INSTALLATION

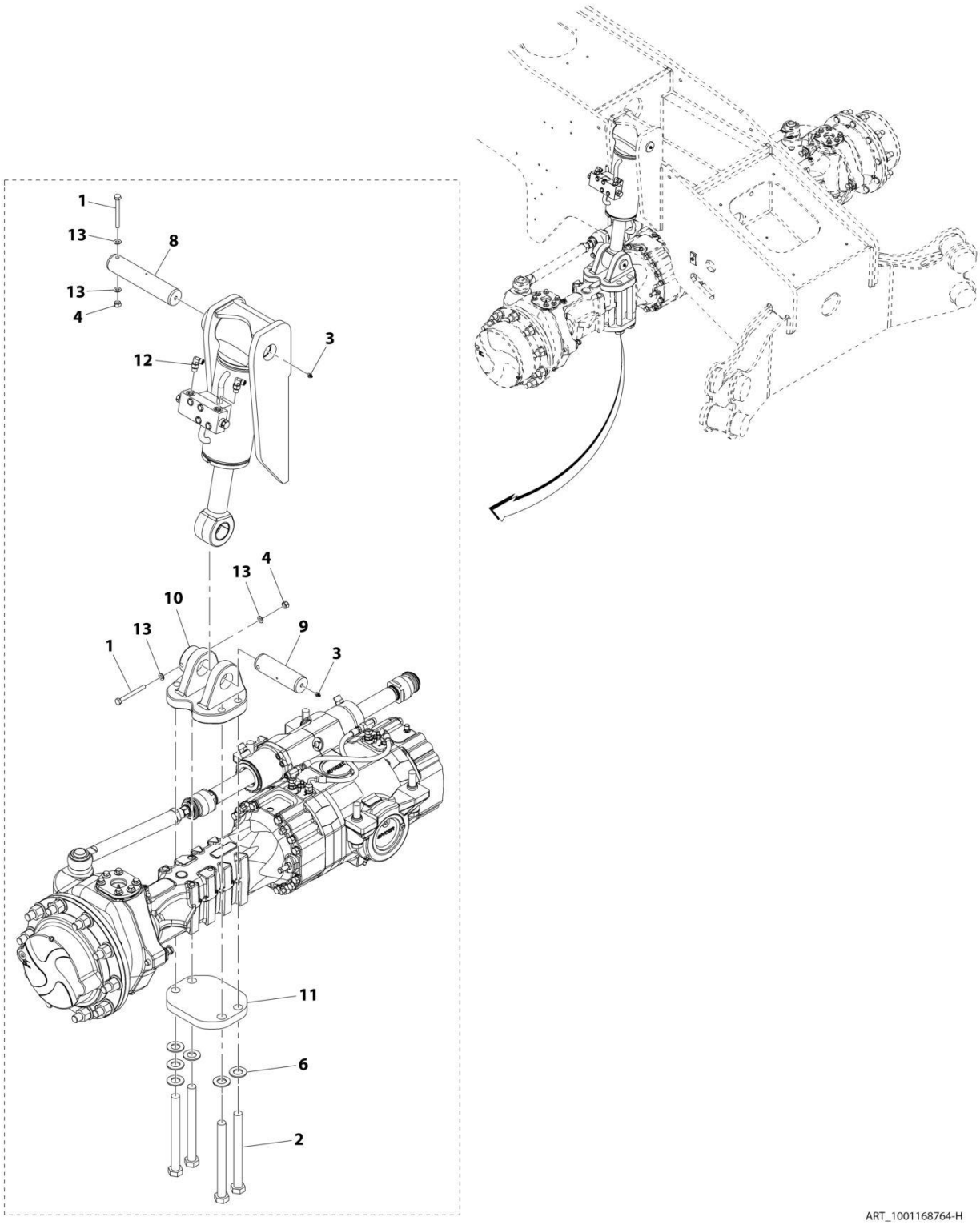


FIGURE 8-15. FRAME LEVEL INSTALLATION

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 (OUTRIGGERS)

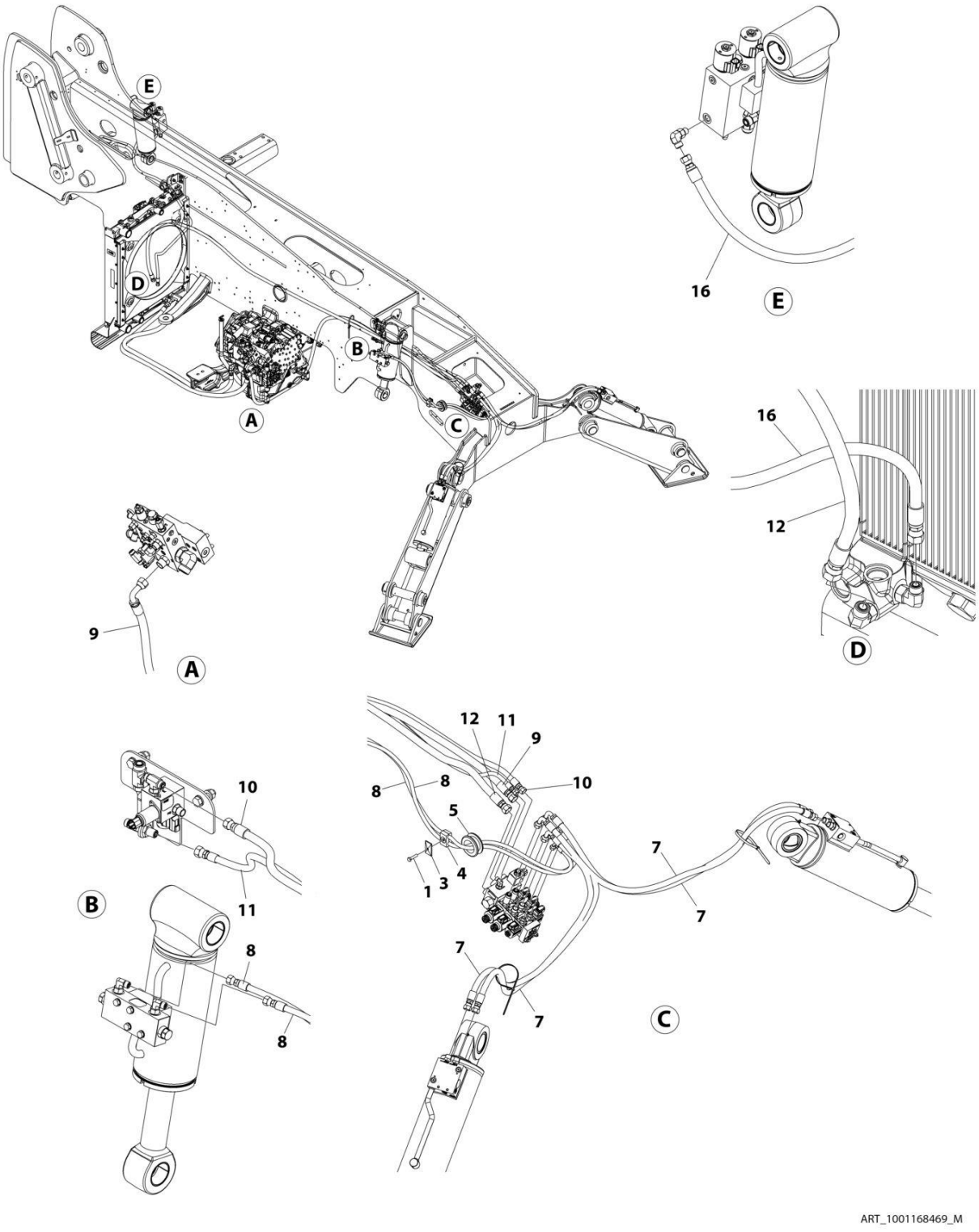
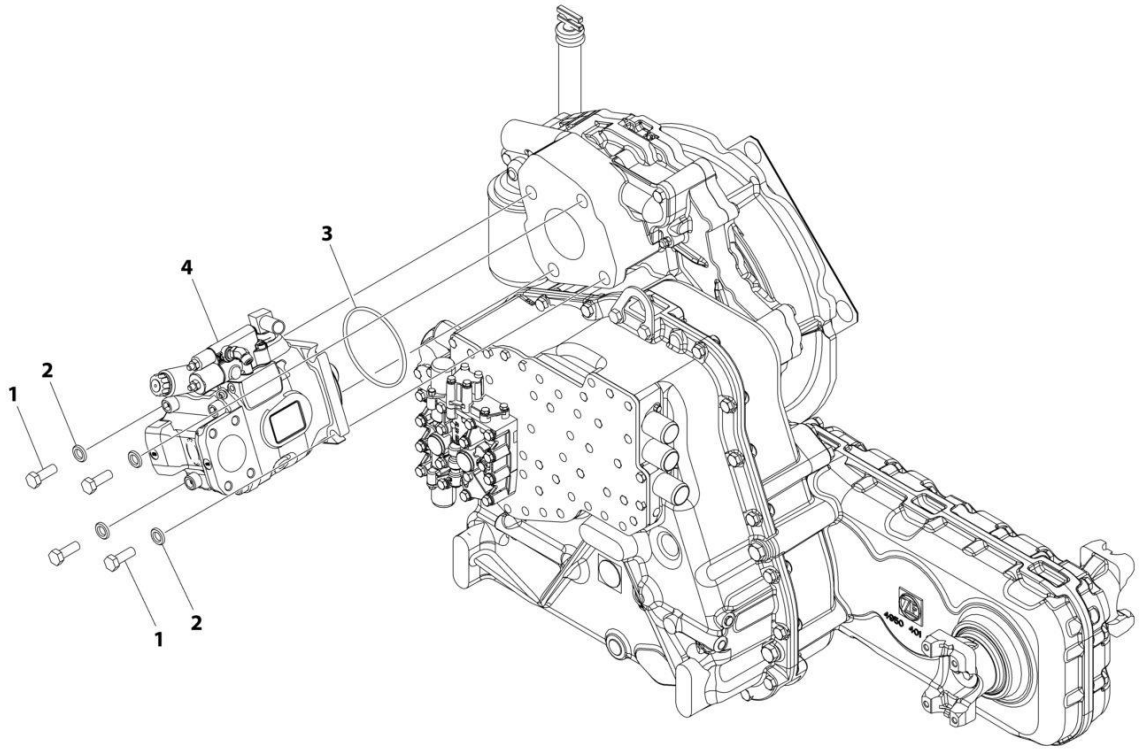


FIGURE 8-16. FRAME LEVEL HYDRAULICS INSTALLATION (OUTRIGGERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168469	Ref	Frame Level Hydraulics Installation (Outriggers)	M
1	0760815	1	Bolt, M8X35	
3	1321752	1	Clamp	
4	77133168	1	Clamp	
5	1001028308	1	Grommet	
7	1001214468	4	Hose	
8	1001175570	2	Hose	
9	1001253083	1	Hose	
10	1001253159	1	Hose	
11	1001253088	1	Hose	
12	1001175814	1	Hose	
16	1001192042	1	Hose	
17	1001097810	AR	Hose	

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

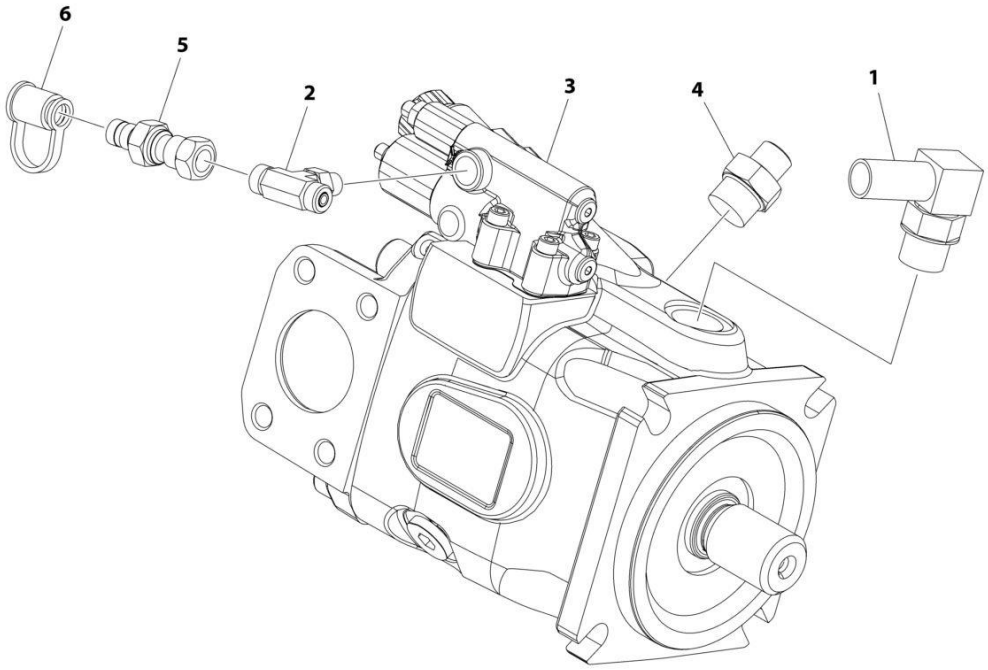


FIGURE 8-18. PISTON PUMP ASSEMBLY

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

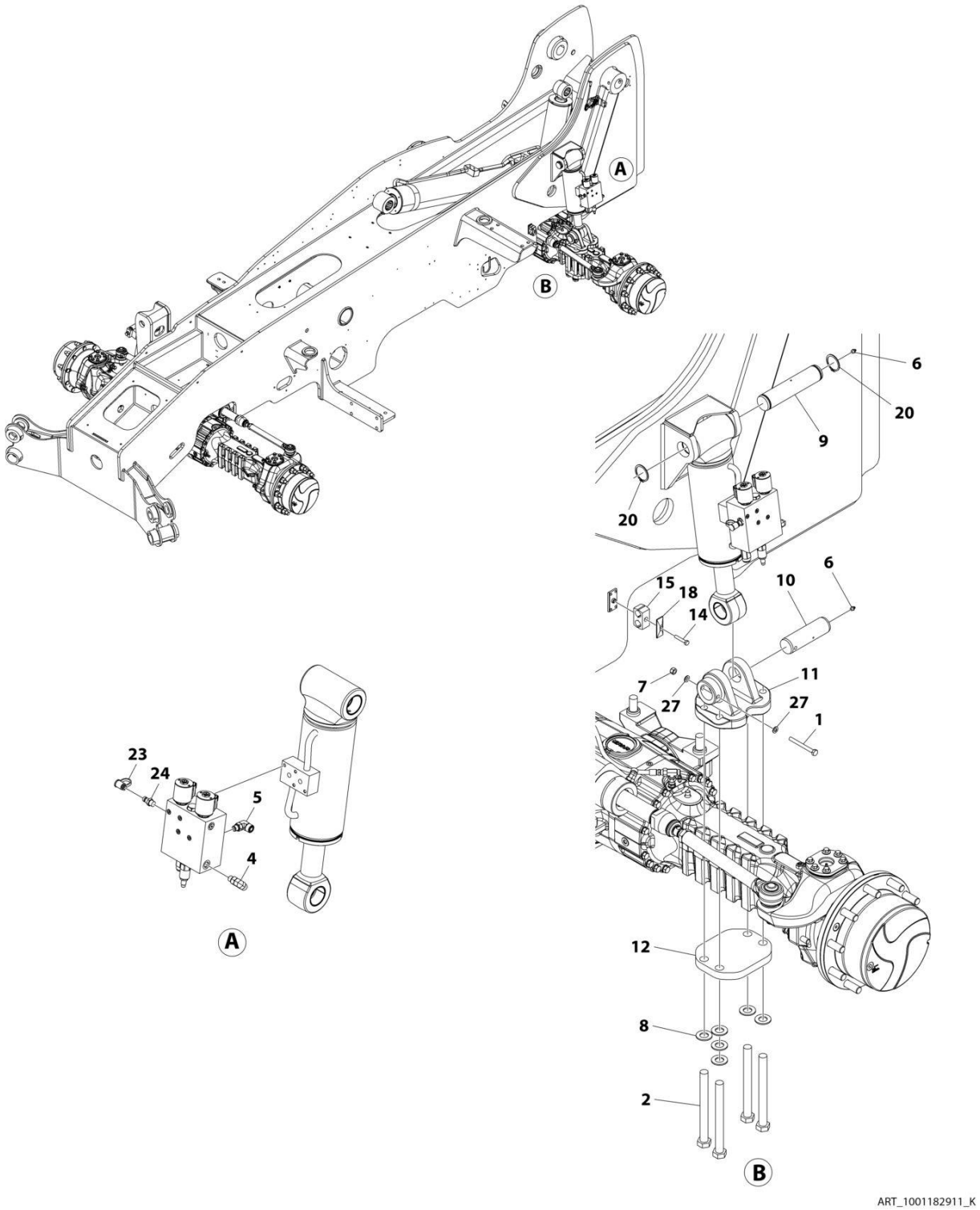


FIGURE 8-19. REAR AXLE STABILIZER INSTALLATION

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 (OUTRIGGERS)

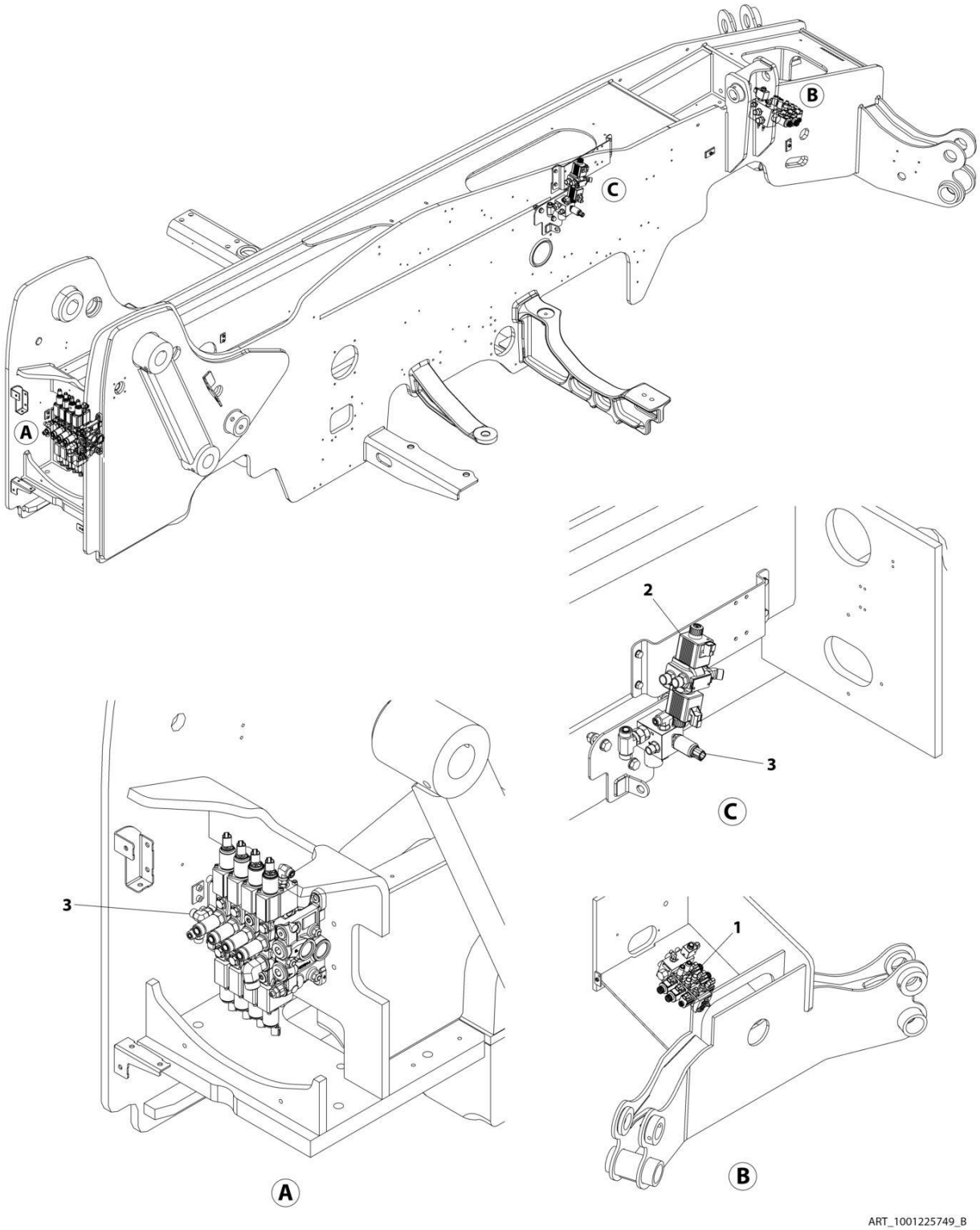


FIGURE 8-20. VALVE INSTALLATION (OUTRIGGERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225749	Ref	Valve Installation (Outriggers)	B
1	1001159760	Ref	Installation, Frame Level and Outrigger Valve (See Separate Breakdown in this Section)	
2	1001168464	Ref	Installation, Steering Select Valve Mounting (See Separate Breakdown in this Section)	
3	1001225750	Ref	Installation, Main Control Valve (See Separate Breakdown in this Section)	

FIGURE 8-21. VALVE INSTALLATION - FRAME LEVEL AND OUTRIGGER

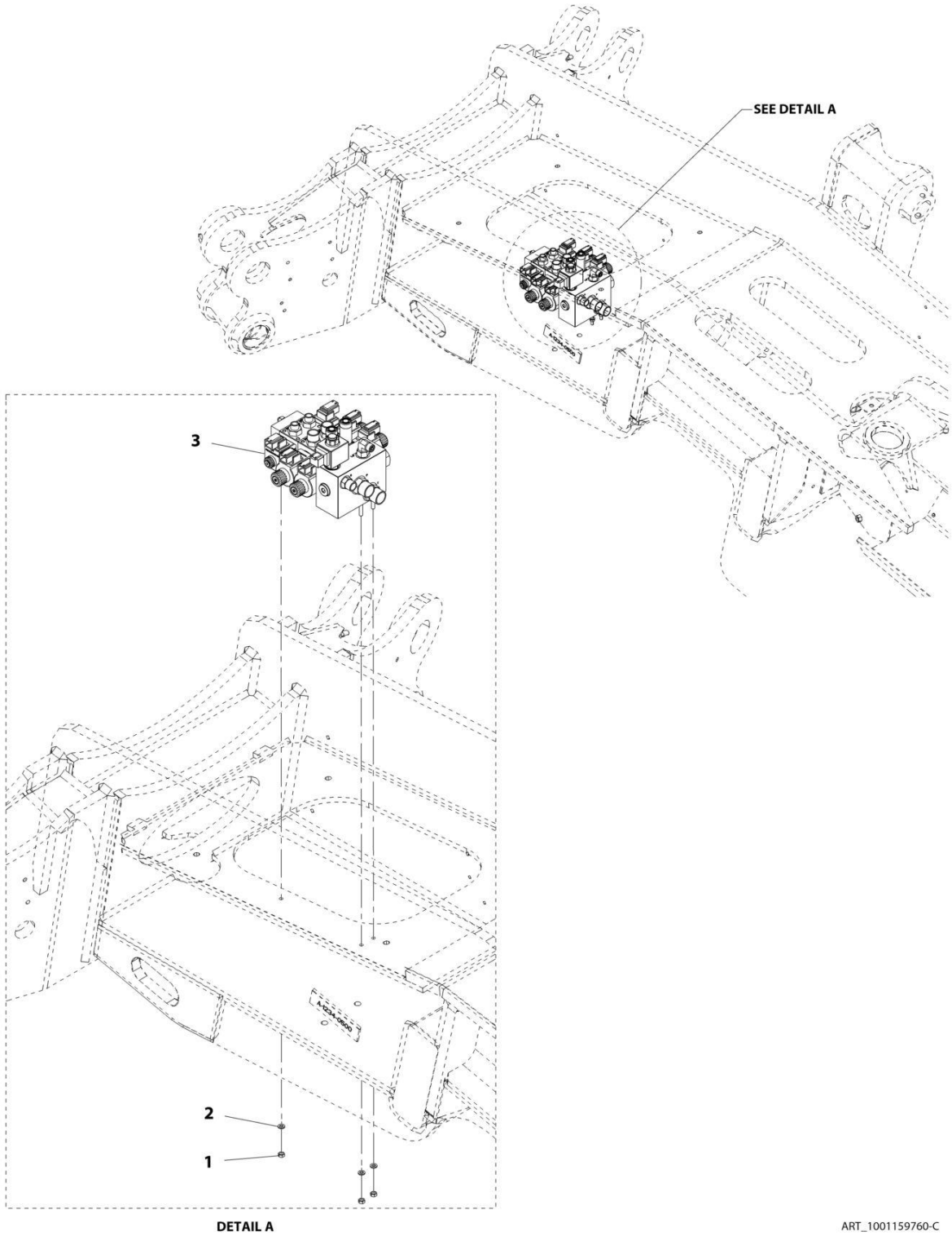


FIGURE 8-21. VALVE INSTALLATION - FRAME LEVEL AND OUTRIGGER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159760	Ref	Frame Level and Outrigger Valve Installation	C
1	3290601	3	Nut, M6X1	
2	4811700	3	Washer, M6	
3	1001159847	1	Assembly, Frame Level and Outrigger Valve (See Separate Breakdown in this Section)	

FIGURE 8-22. VALVE ASSEMBLY - FRAME LEVEL AND OUTRIGGER

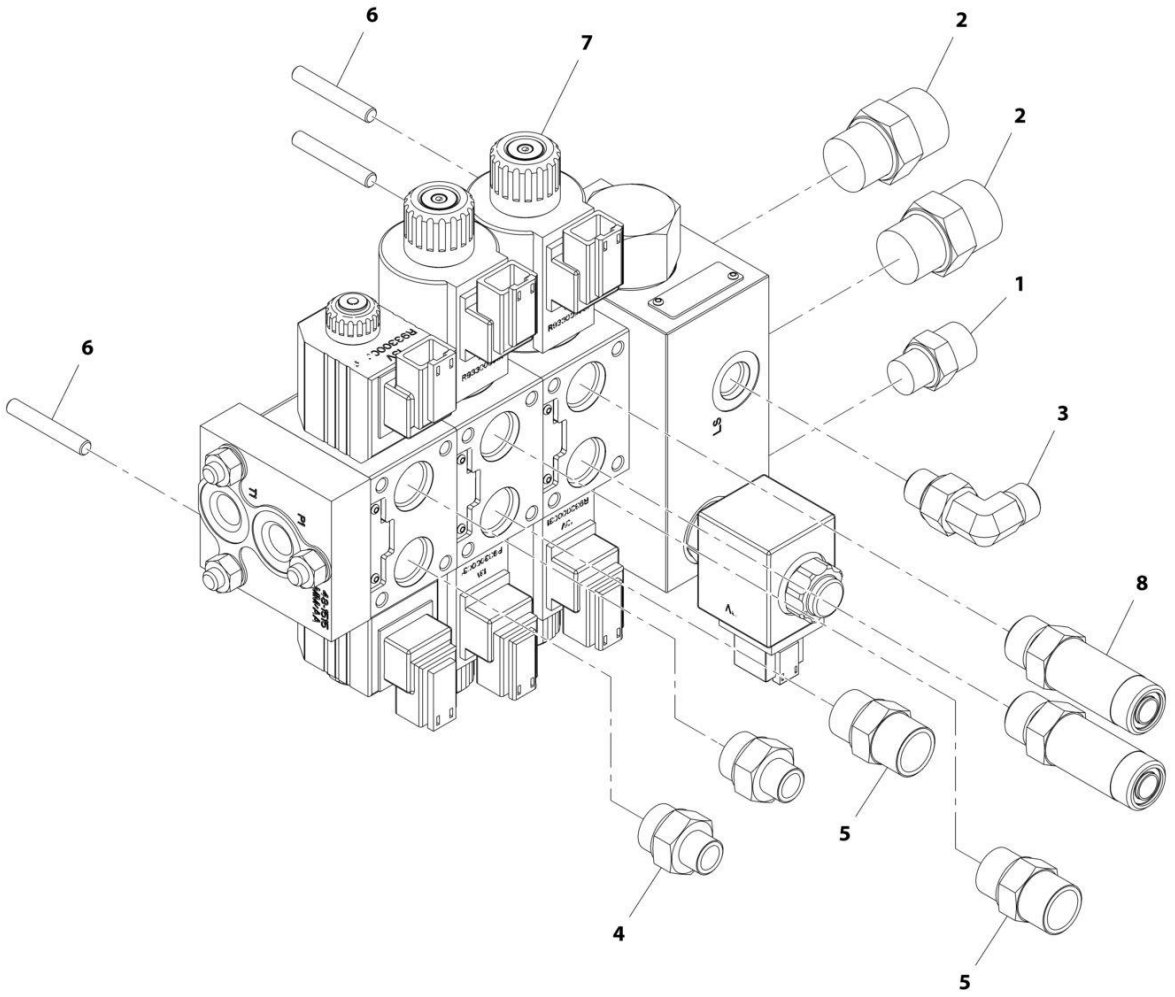


FIGURE 8-22. VALVE ASSEMBLY - FRAME LEVEL AND OUTRIGGER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159847	Ref	Frame Level and Outrigger Valve Assembly	E
1	2110606	1	Fitting, Straight	
2	2111010	2	Fitting, Straight ORFS	
3	2130406	1	Fitting, 90 ORFS	
4	2110408	2	Fitting, Straight ORFS	
5	2110808	2	Fitting, Straight ORFS	
6	1001177702	3	Stud, M6X40	
7	1001157972	1	Valve, Frame Level and Outrigger (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
8	2170108	2	Fitting	

FIGURE 8-23. VALVES INSTALLATION - MAIN & PRIORITY

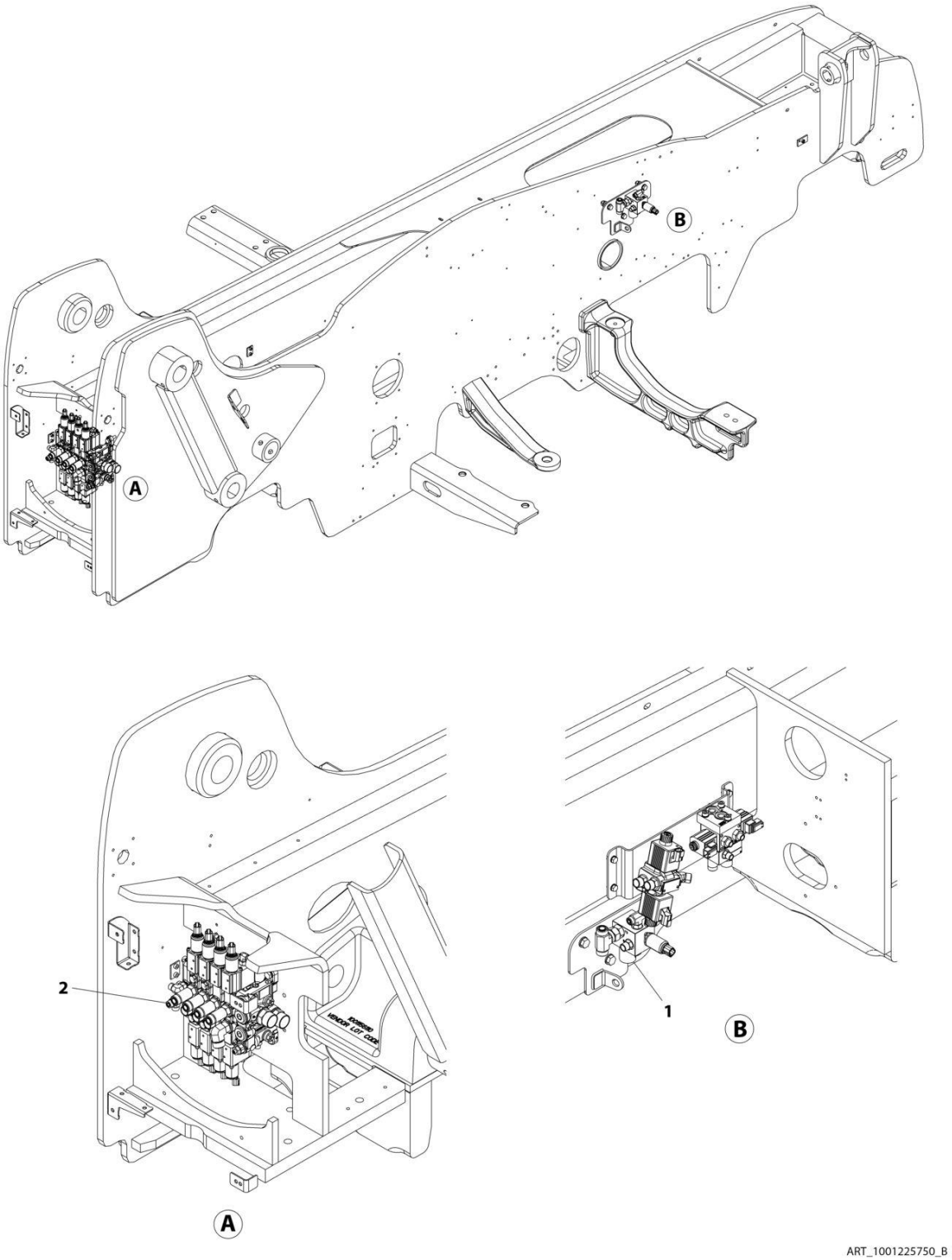


FIGURE 8-23. VALVES INSTALLATION - MAIN & PRIORITY

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

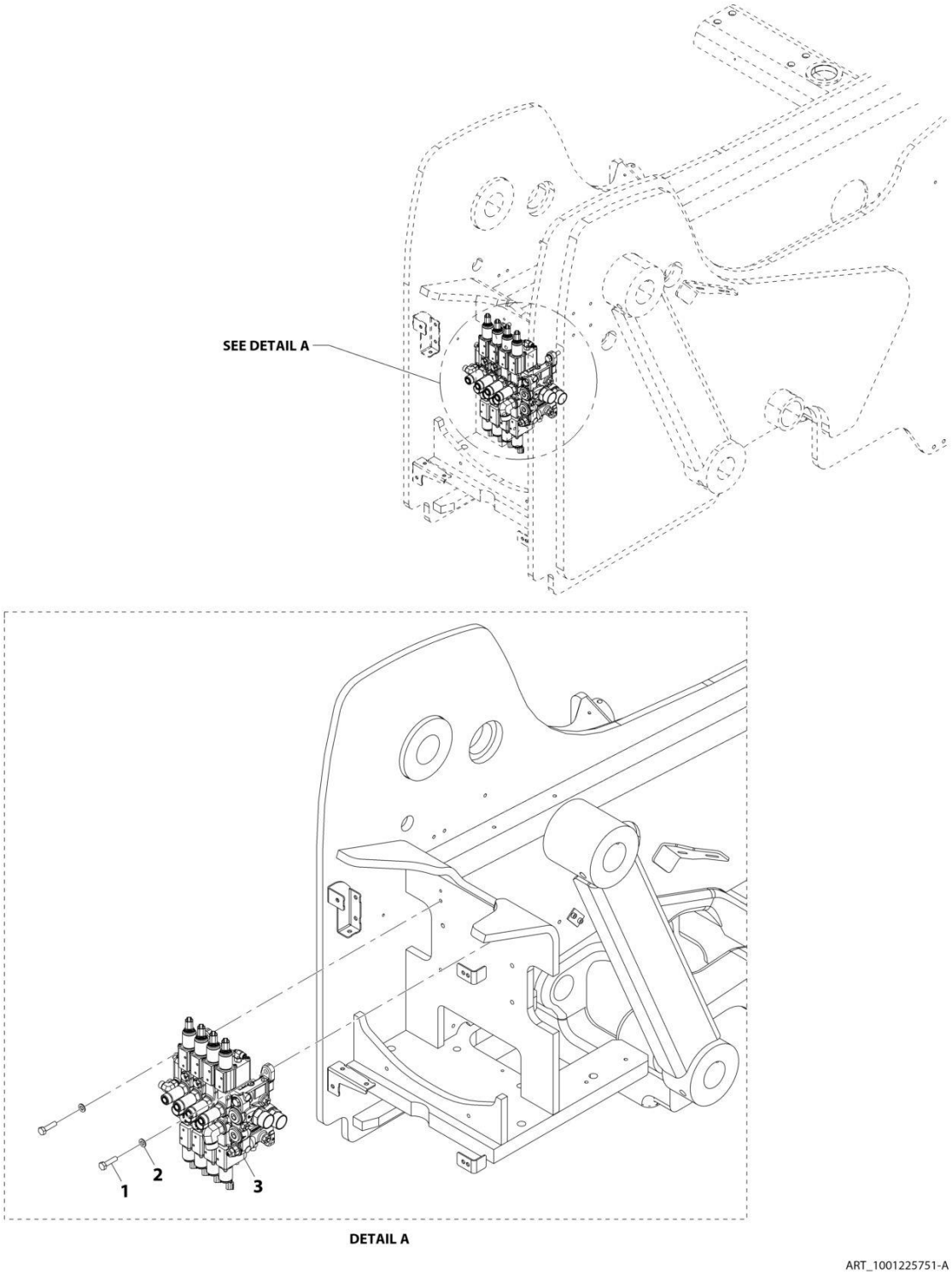


FIGURE 8-24. VALVE INSTALLATION - MAIN

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 AND FITTINGS ASSEMBLY- MAIN

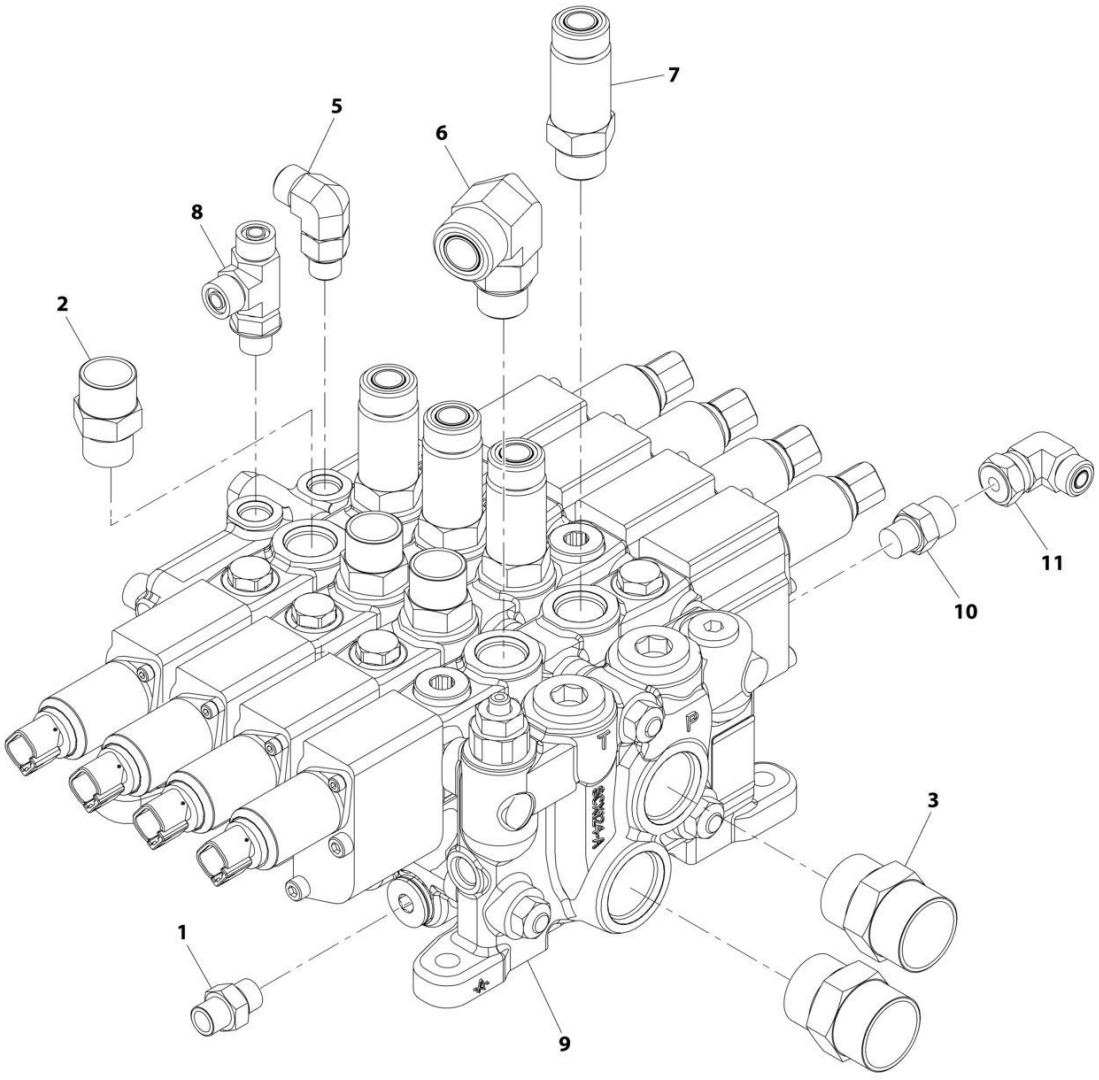


FIGURE 8-25. VALVE AND FITTINGS ASSEMBLY- MAIN

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

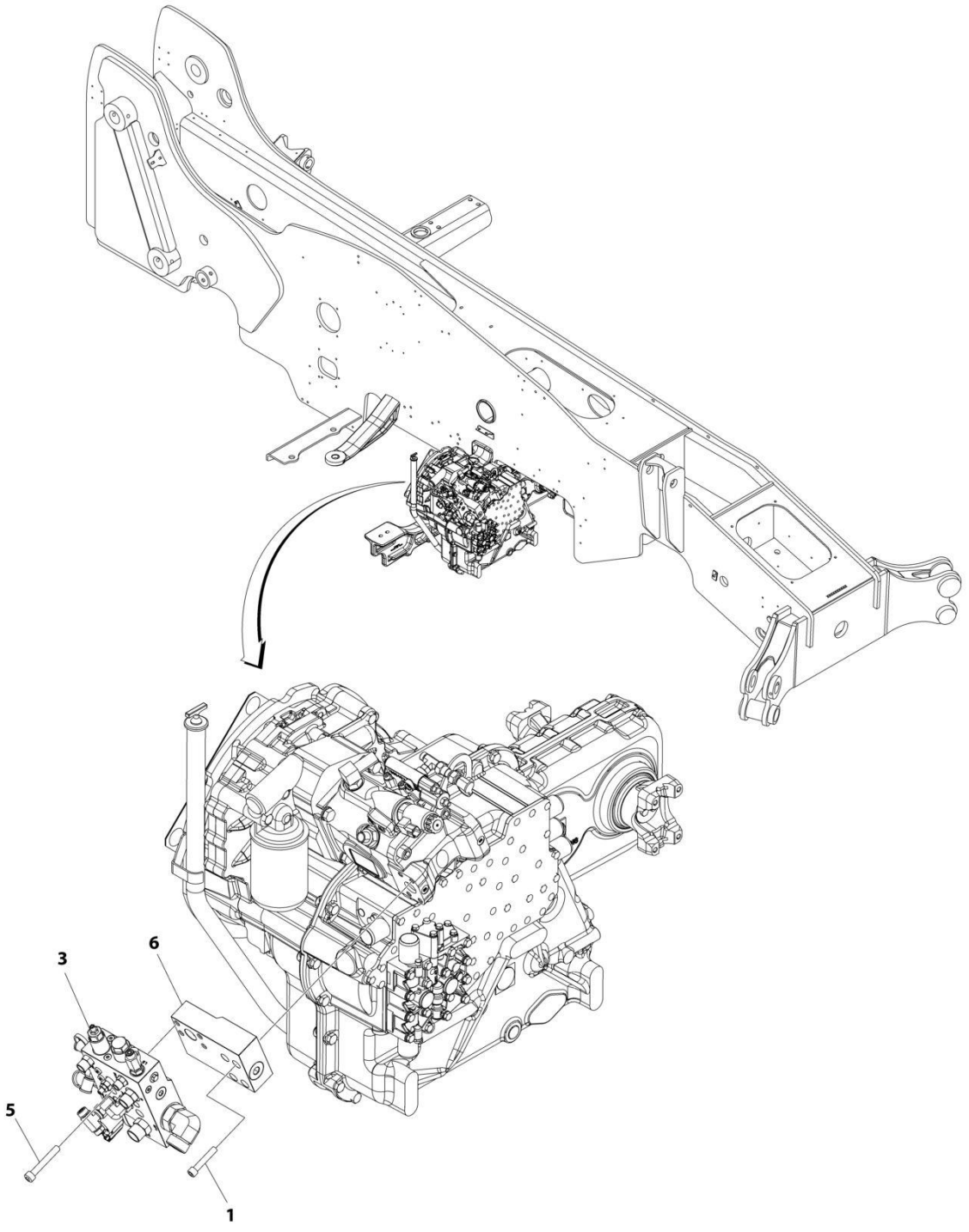


FIGURE 8-26. VALVE INSTALLATION – PRIORITY

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

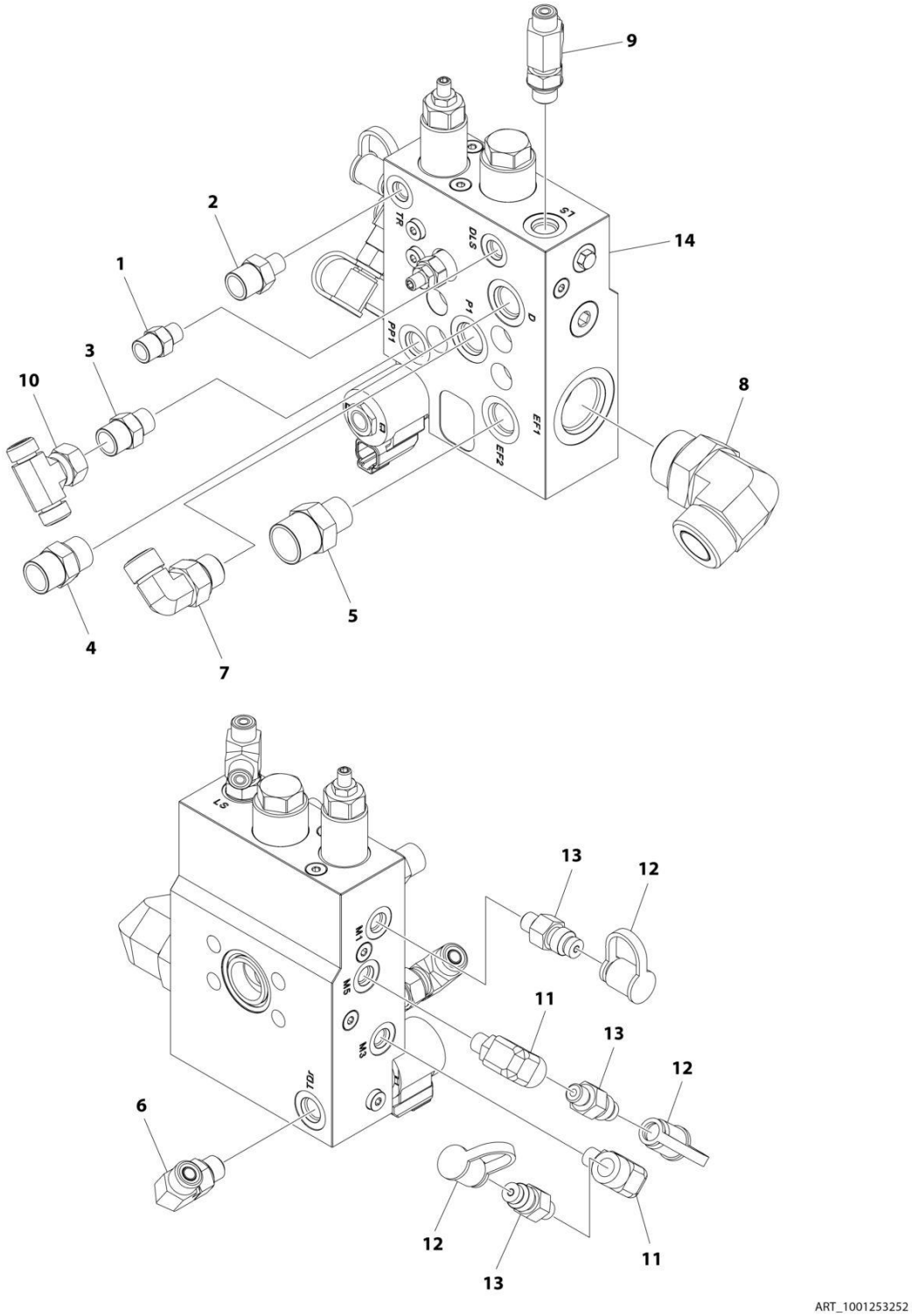


FIGURE 8-27. VALVE ASSEMBLY - PRIORITY FUNCTION MANIFOLD

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

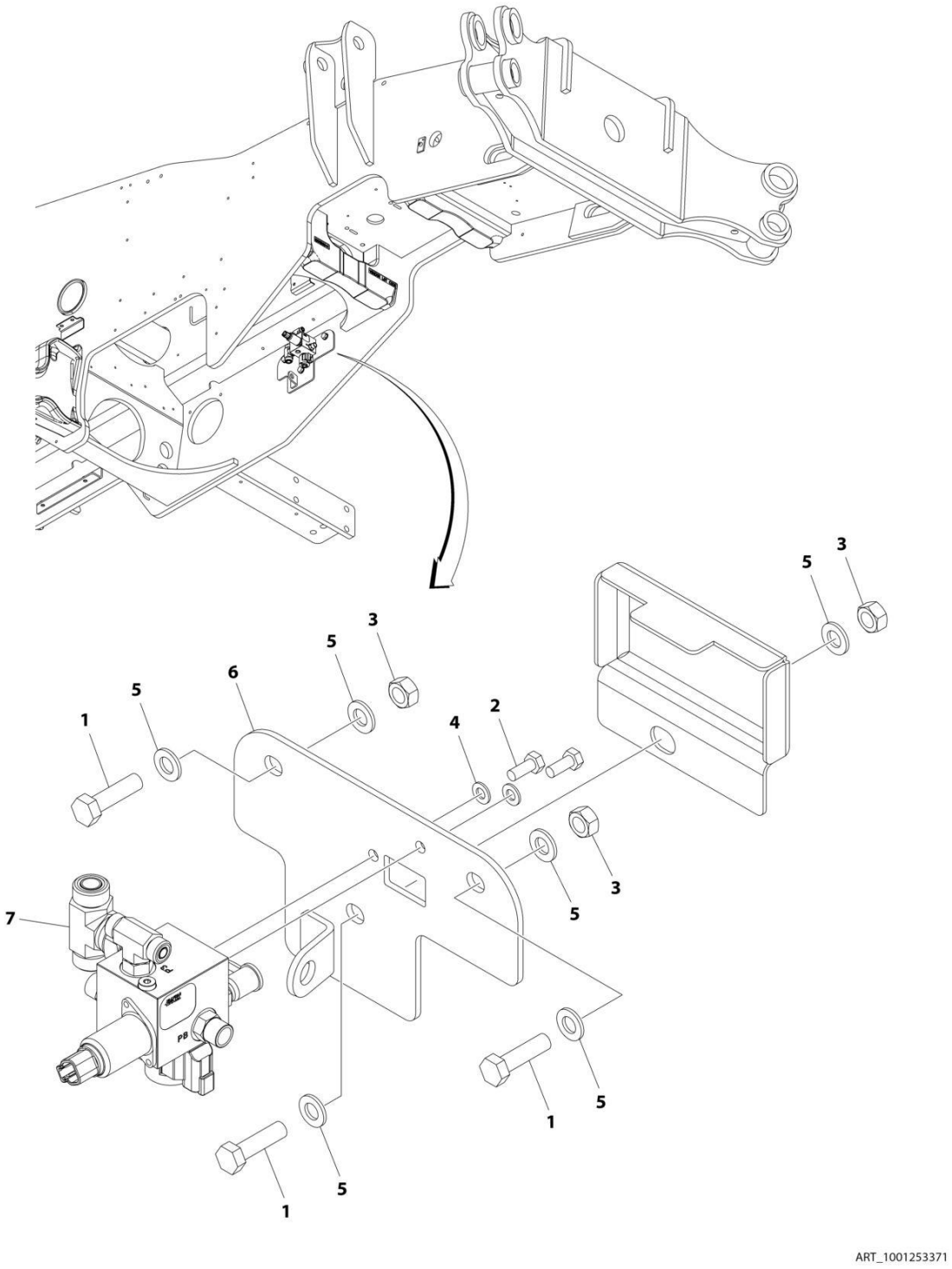
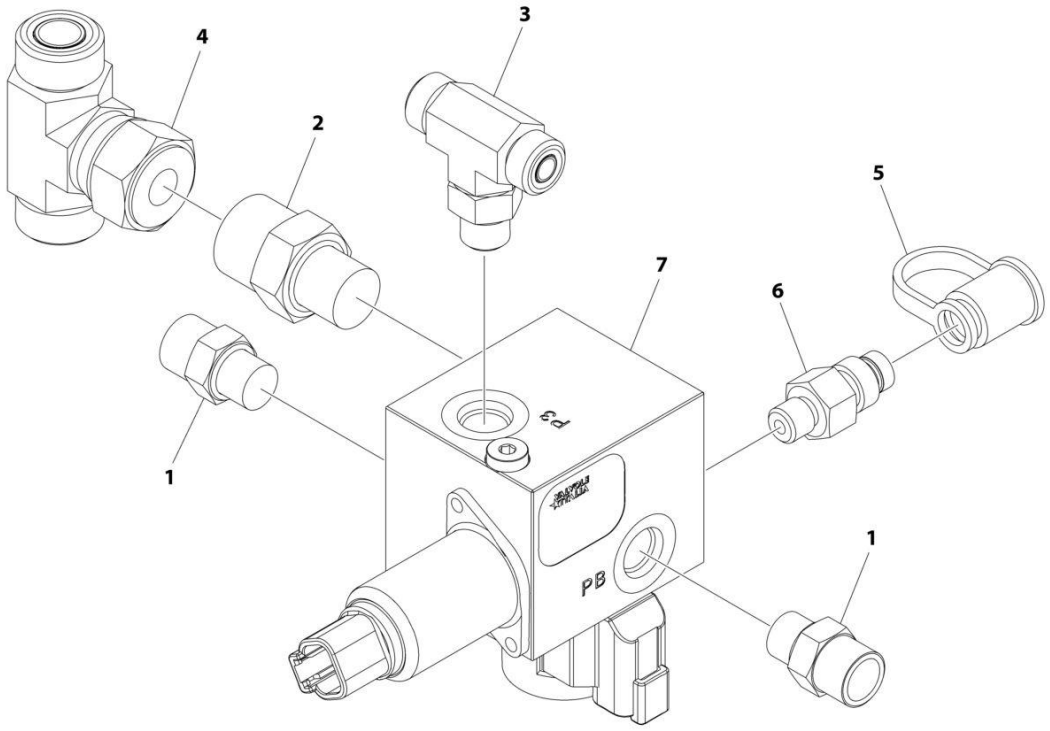


FIGURE 8-28. VALVE INSTALLATION - SAHR BRAKE

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

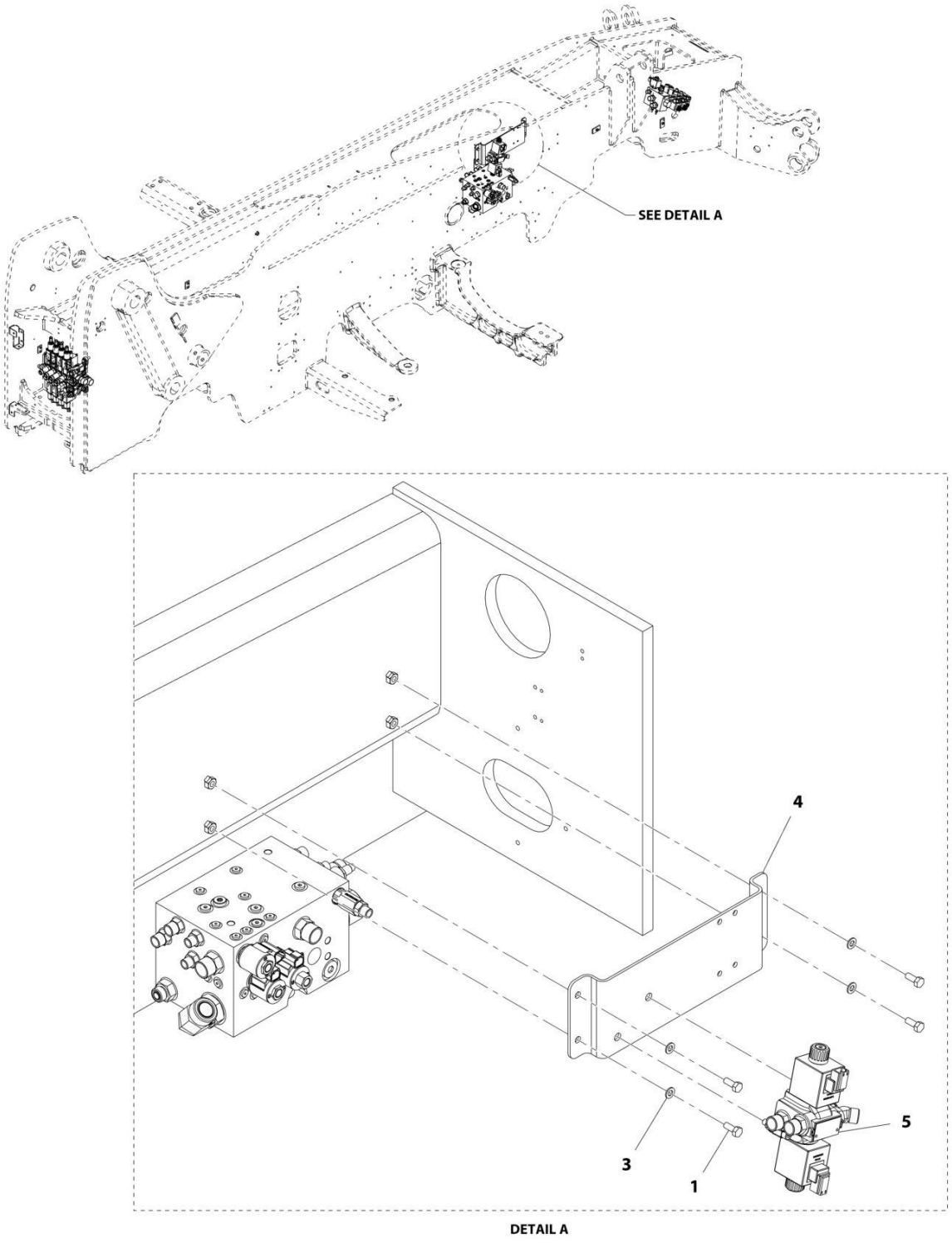


FIGURE 8-30. VALVES MOUNTING INSTALLATION - STEER SELECT

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

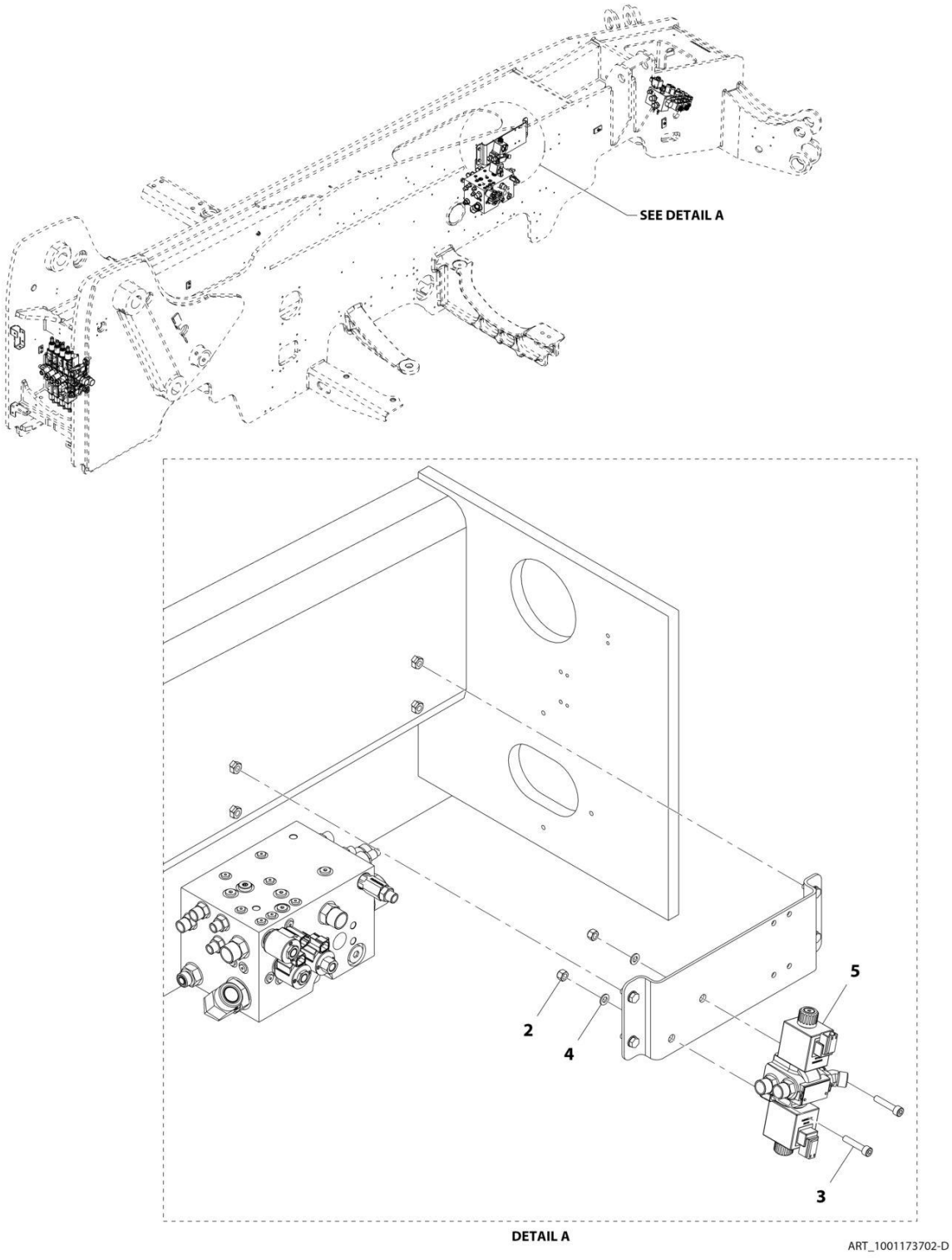


FIGURE 8-31. VALVE INSTALLATION - STEER SELECT

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 AND FITTINGS ASSEMBLY- STEER SELECT

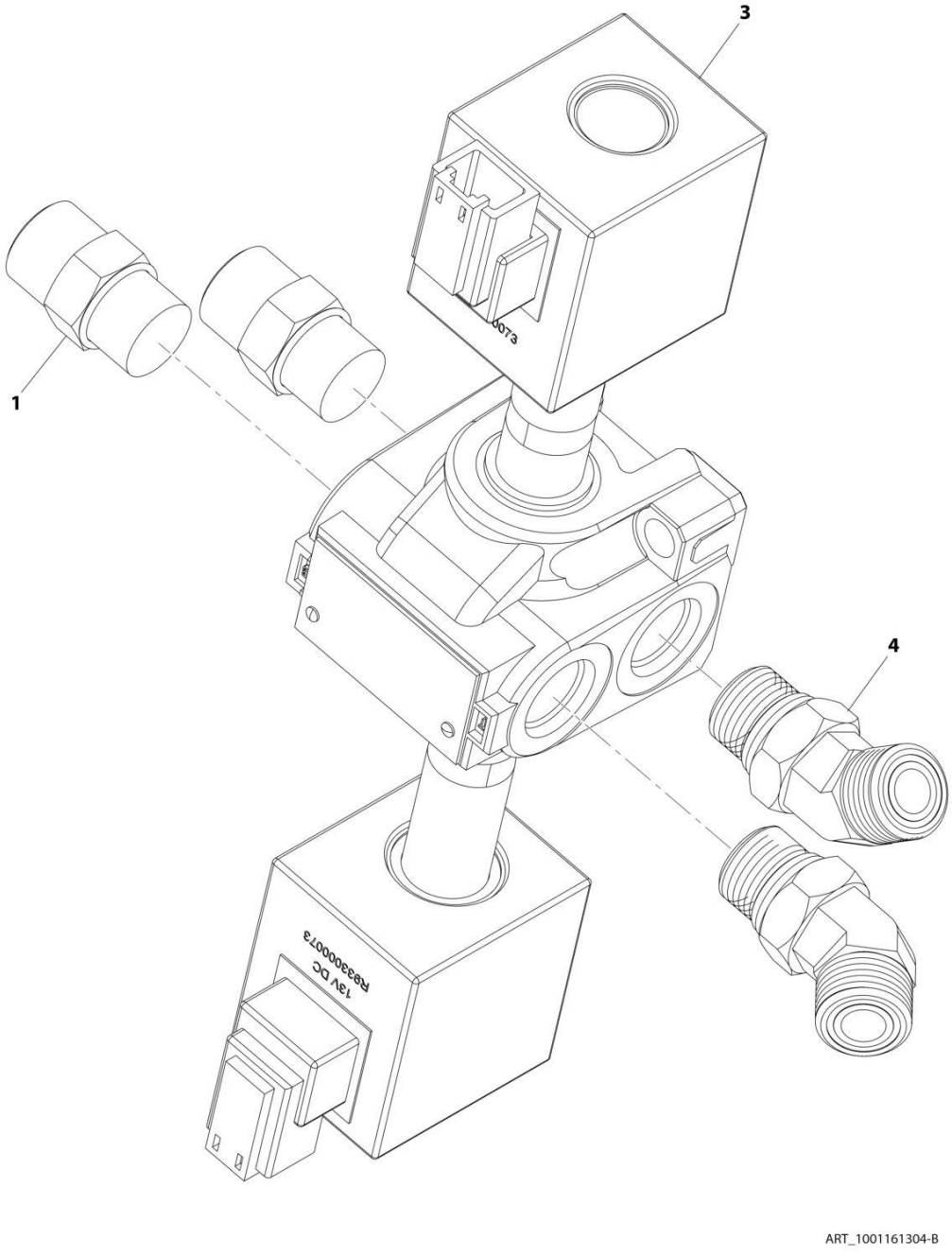
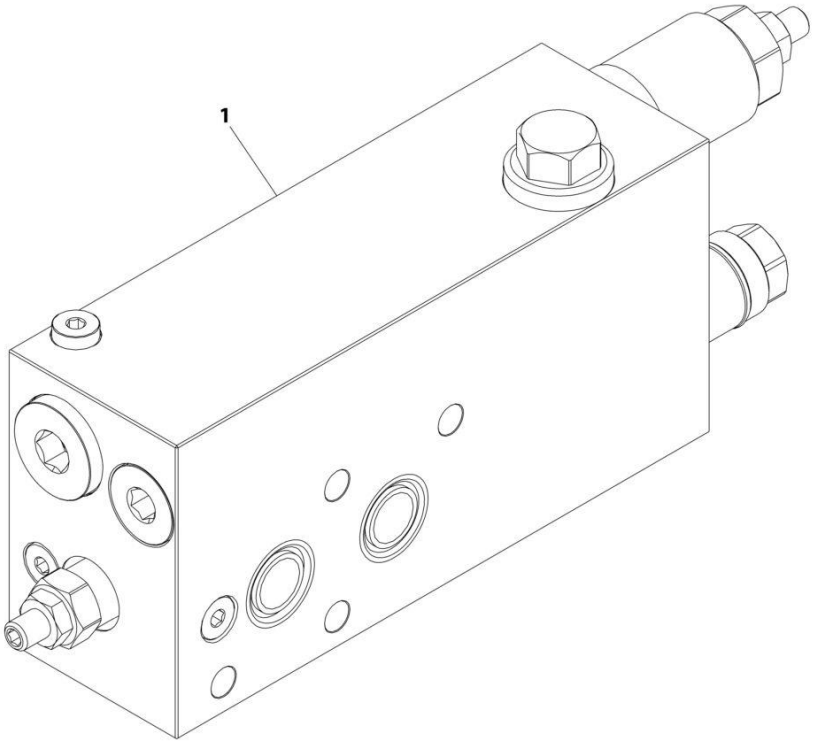


FIGURE 8-32. VALVE AND FITTINGS ASSEMBLY- STEER SELECT

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

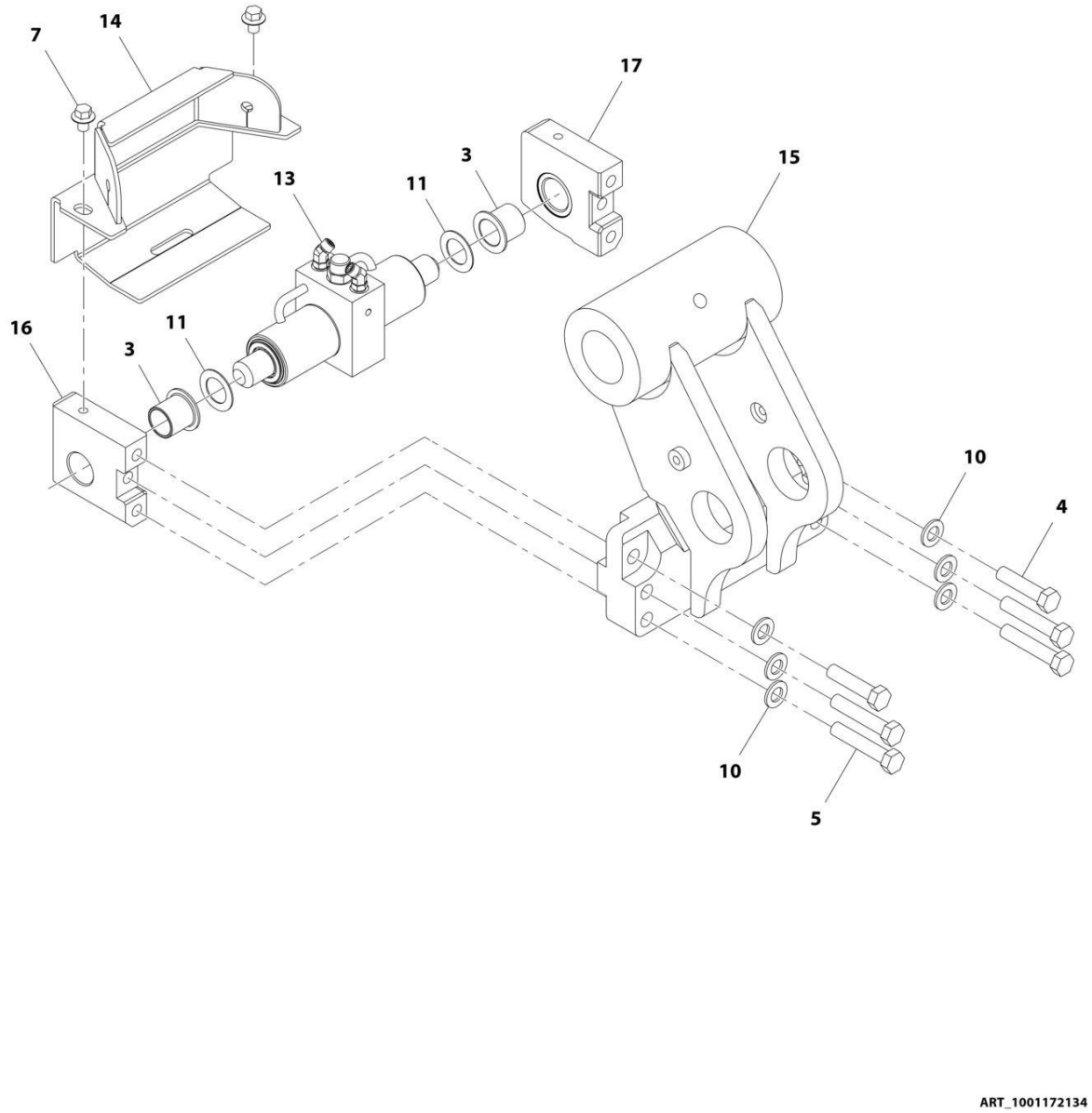


FIGURE 9-1. COUPLER - HYDRAULIC COUPLER

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

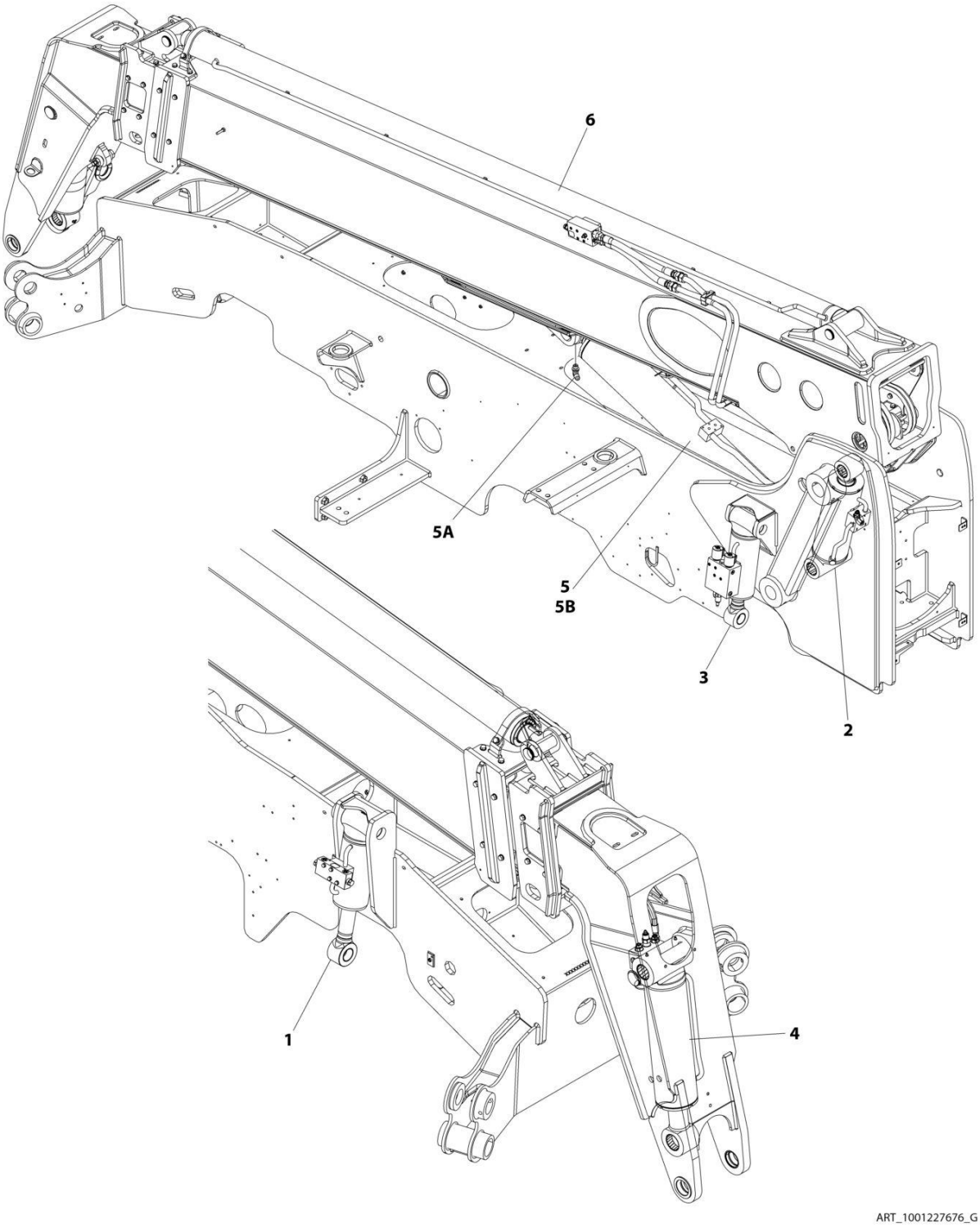


FIGURE 9-2. CYLINDER GROUP INSTALLATION

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 TILT

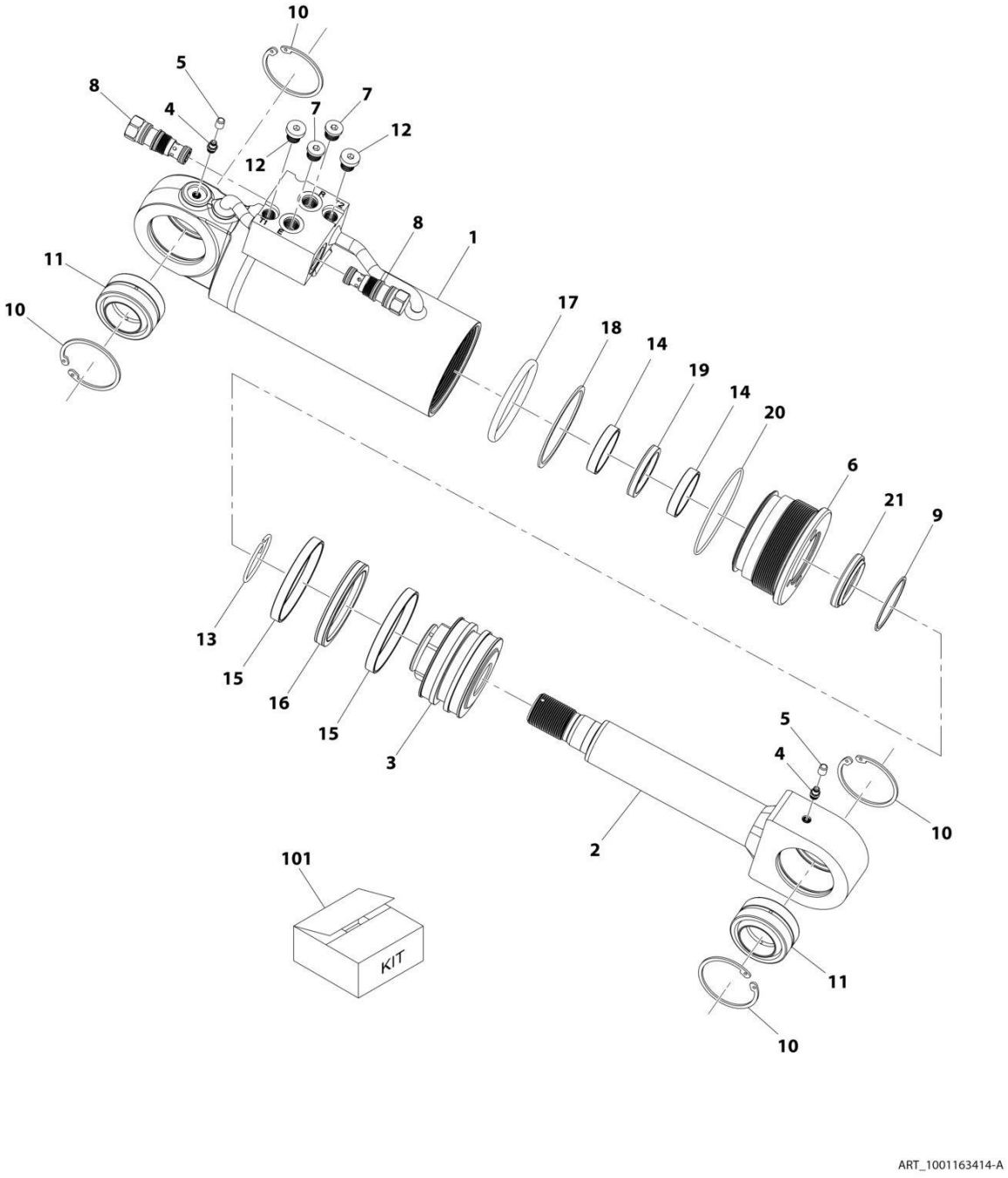


FIGURE 9-3. CYLINDER ASSEMBLY - CARRIAGE SIDE TILT

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 9-4. CYLINDER ASSEMBLY - CARRIAGE SWING

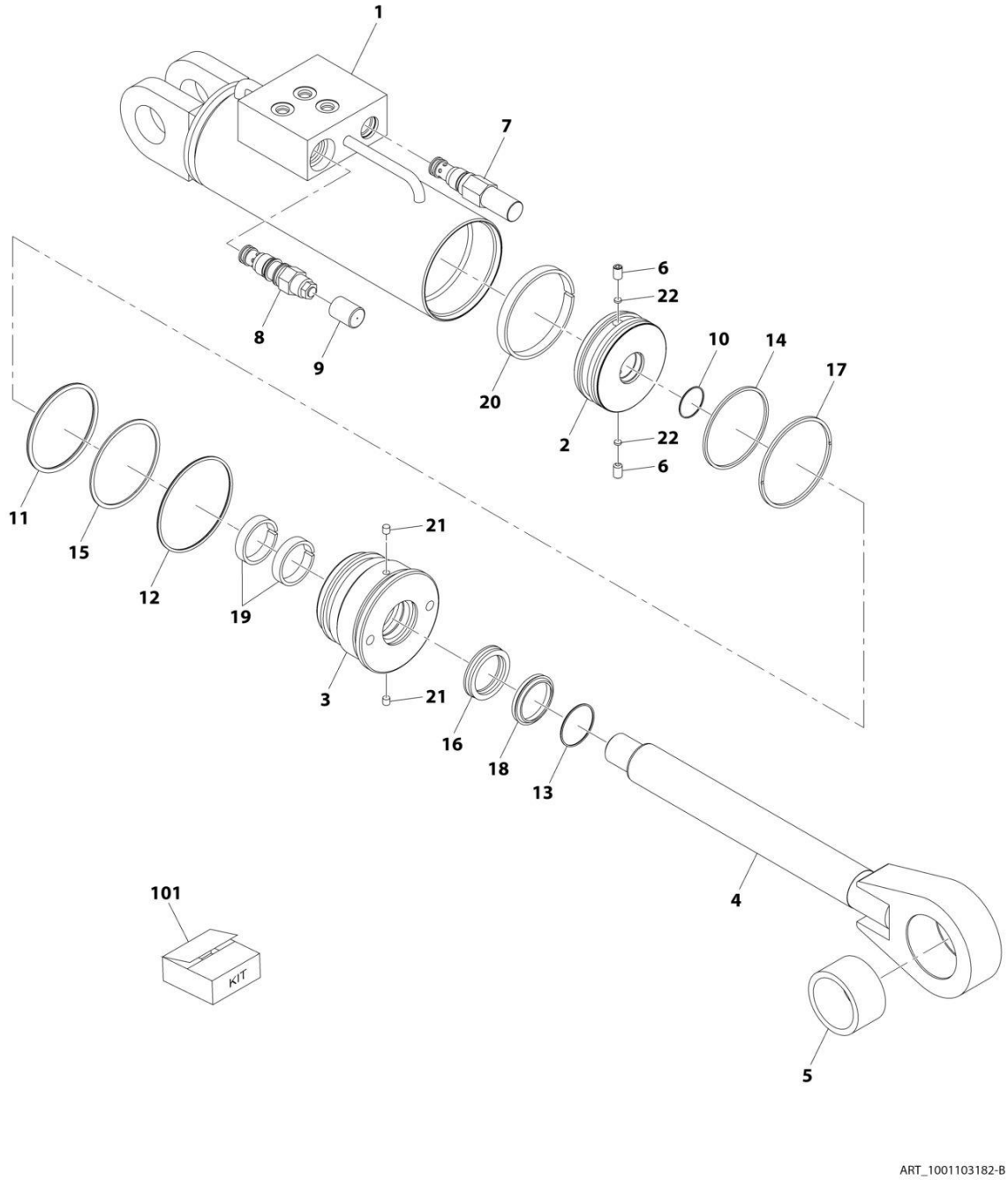


FIGURE 9-4. CYLINDER ASSEMBLY - CARRIAGE SWING

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 9-5. CYLINDER ASSEMBLY - COMPENSATION

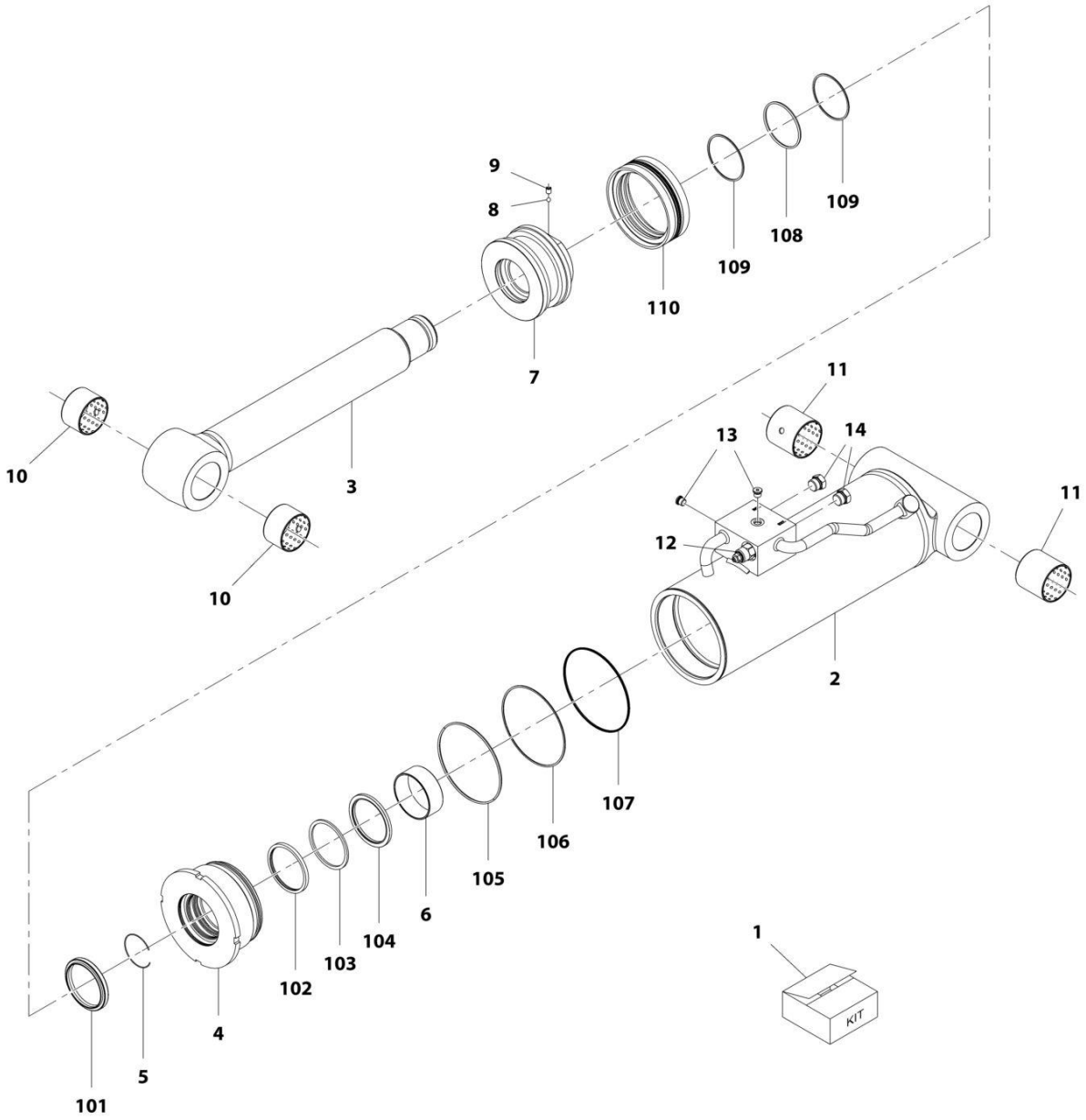
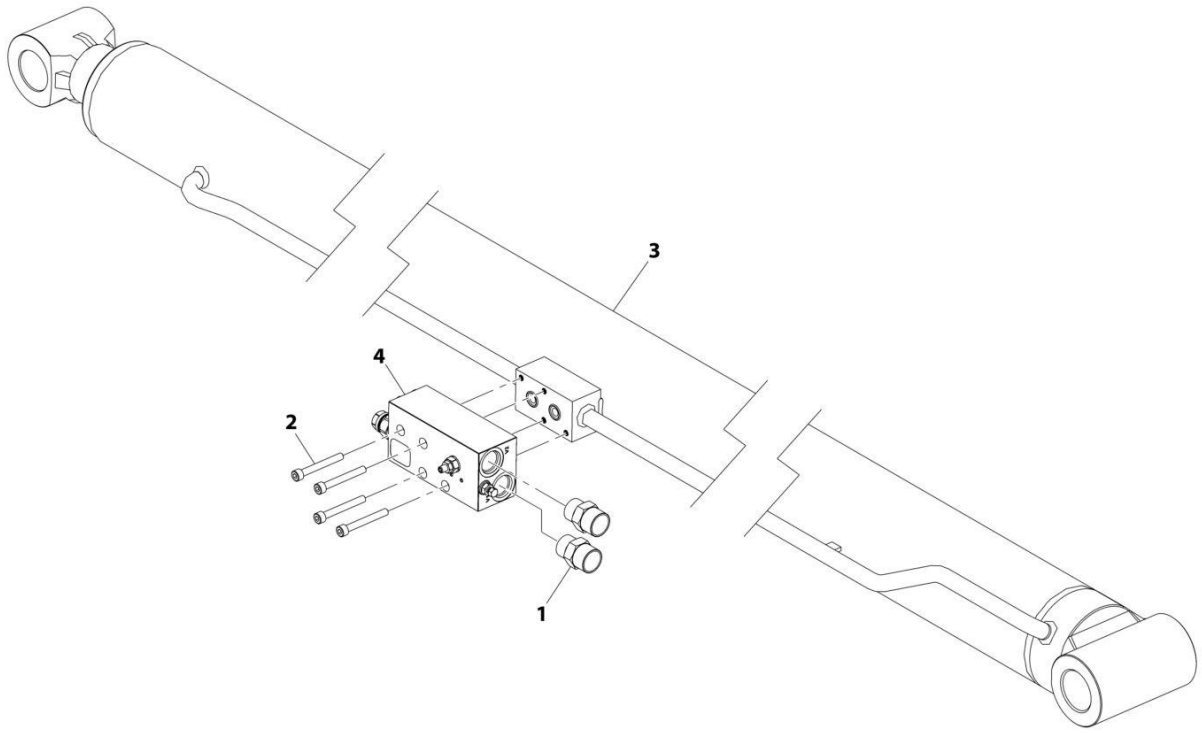


FIGURE 9-5. CYLINDER ASSEMBLY - COMPENSATION

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 9-6. CYLINDER SUB-ASSEMLY - EXTEND/RETRACT



ART_1001227677-A

FIGURE 9-6. CYLINDER SUB-ASSEMLY - 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 9-7. CYLINDER ASSEMBLY - EXTEND/RETRACT

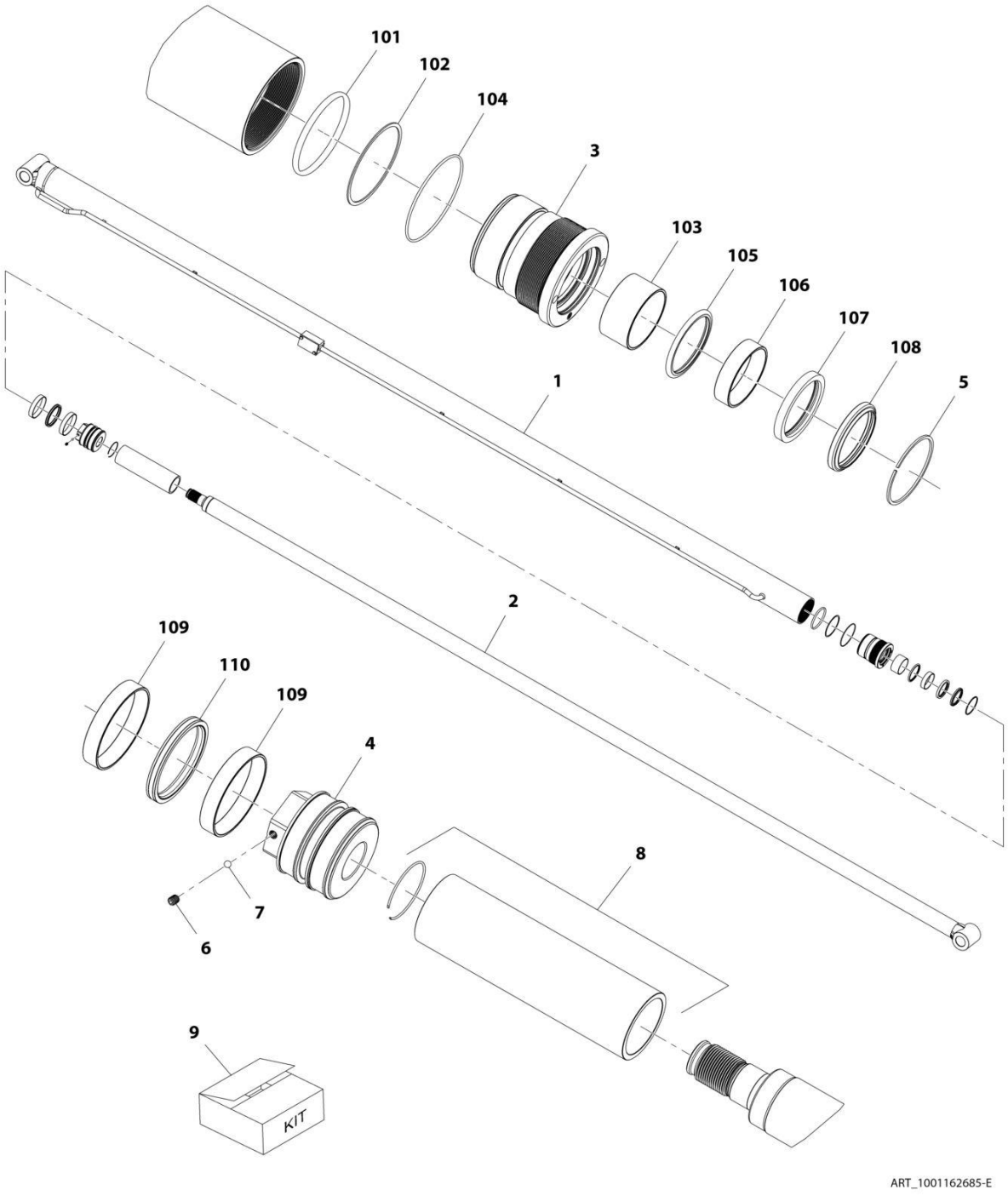


FIGURE 9-7. CYLINDER ASSEMBLY - EXTEND/RETRACT

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 9-8. CYLINDER ASSEMBLY - FORK POSITIONING

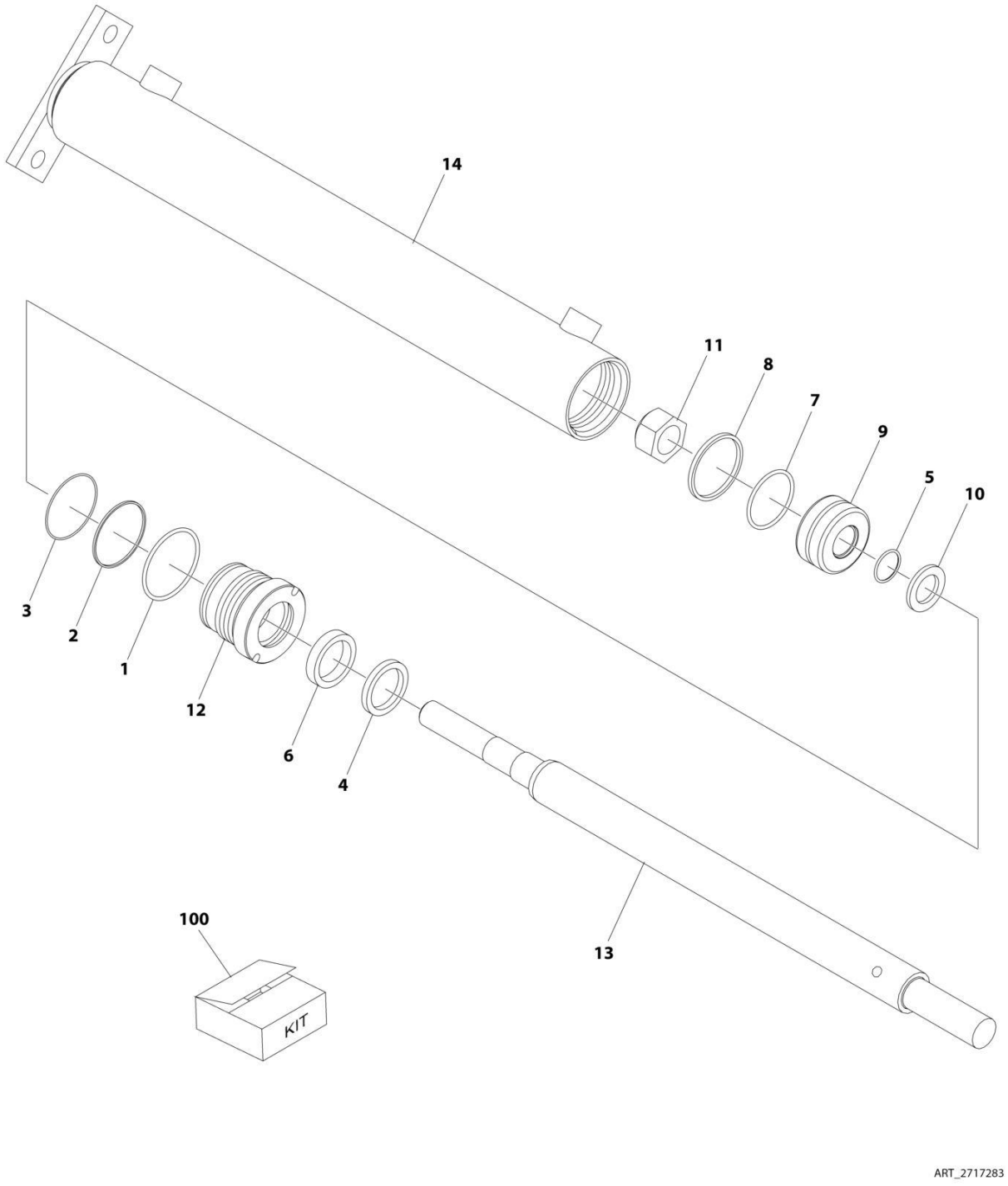


FIGURE 9-8. CYLINDER ASSEMBLY - FORK POSITIONING

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 9-9. CYLINDER INSTALLATION - FRAME LEVEL

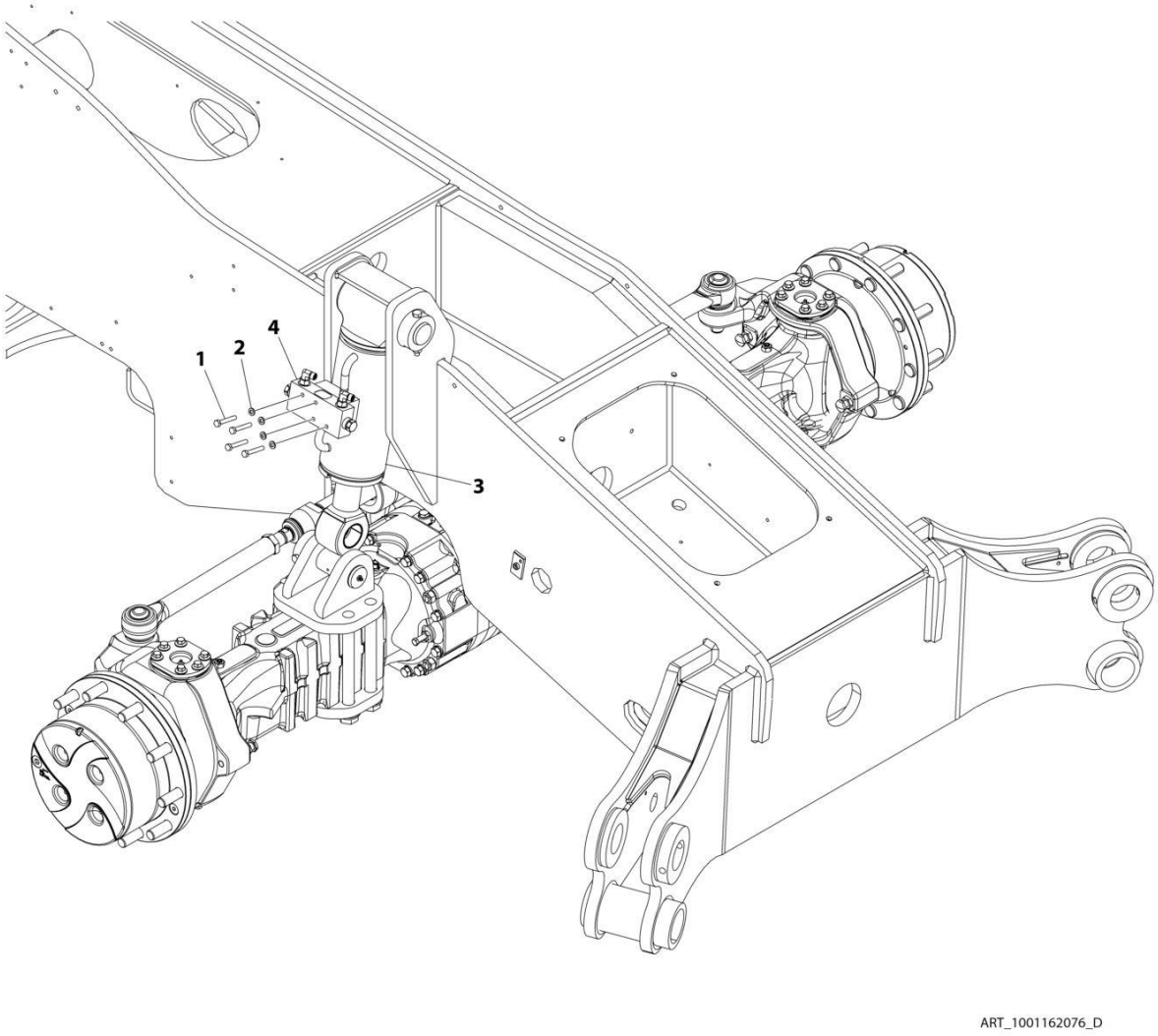


FIGURE 9-9. CYLINDER INSTALLATION - FRAME LEVEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162076	Ref	Frame Level Cylinder Installation	D
1	0700818	4	Bolt, M8X50	
2	4811900	4	Washer, M8	
3	1001179369	1	Cylinder, Frame Stability (See Separate Breakdown in this Section)	
4	1001252522	1	Valve, Counterbalance	

FIGURE 9-10. CYLINDER ASSEMBLY - FRAME LEVEL

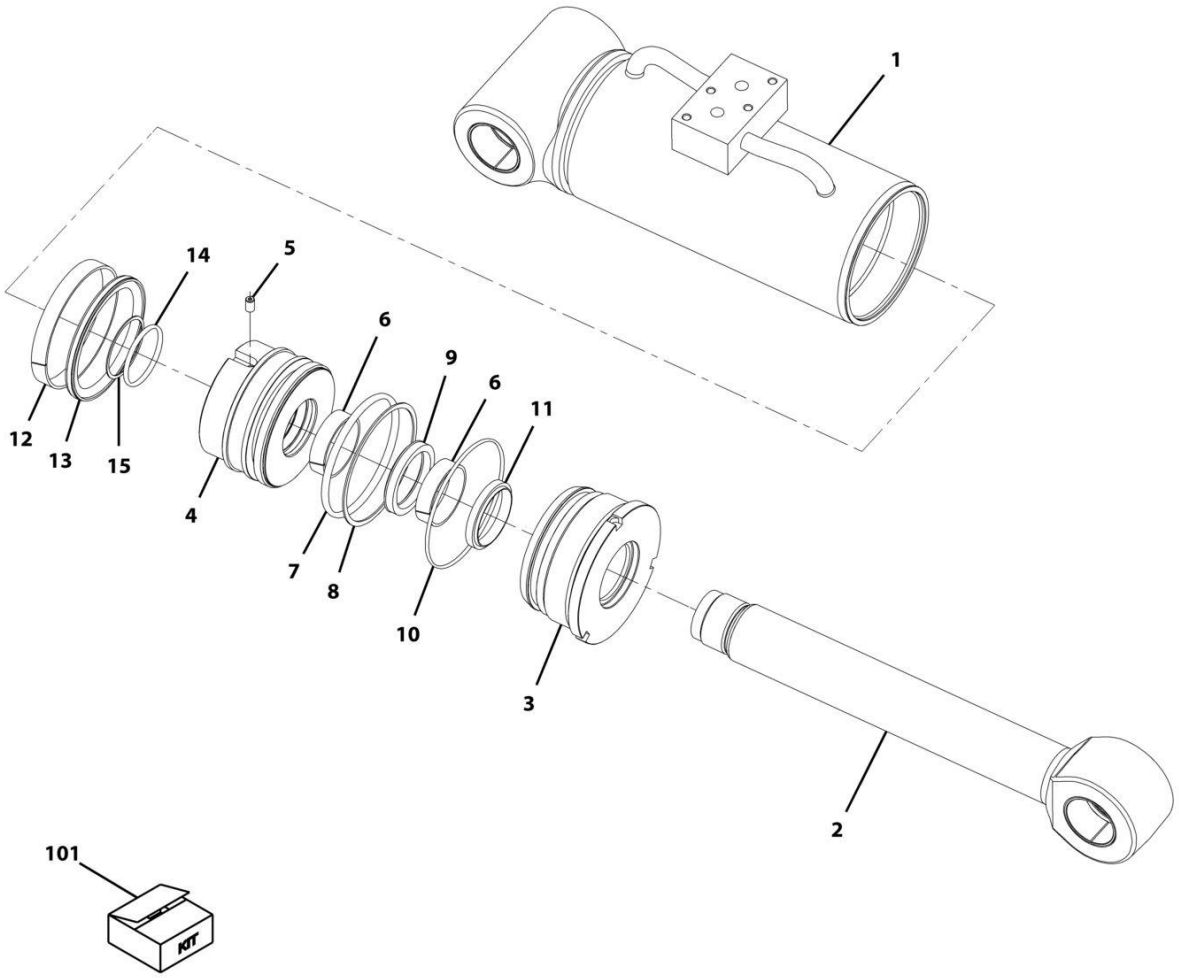


FIGURE 9-10. CYLINDER ASSEMBLY - FRAME LEVEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179369	Ref	Frame Level Cylinder	A
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
1	70026435	1	Barrel	
2	70026436	1	Rod	
3	70026249	1	Guide, Rod	
4	70026251	1	Piston	
5	70020438	1	Screw	
6	Kit	2	Bearing	
7	Kit	1	O-Ring	
8	Kit	1	Ring, Backup	
9	Kit	1	Seal, Rod	
10	Kit	1	O-Ring	
11	Kit	1	Wiper	
12	Kit	1	Bearing	
13	Kit	1	Seal, Piston	
14	Kit	1	O-Ring	
15	Kit	2	Ring, Backup	
101	70026253	1	Kit, Seal (includes items 6 thru 15)	

FIGURE 9-11. CYLINDER ASSEMBLY - GRAPPLE BUCKET

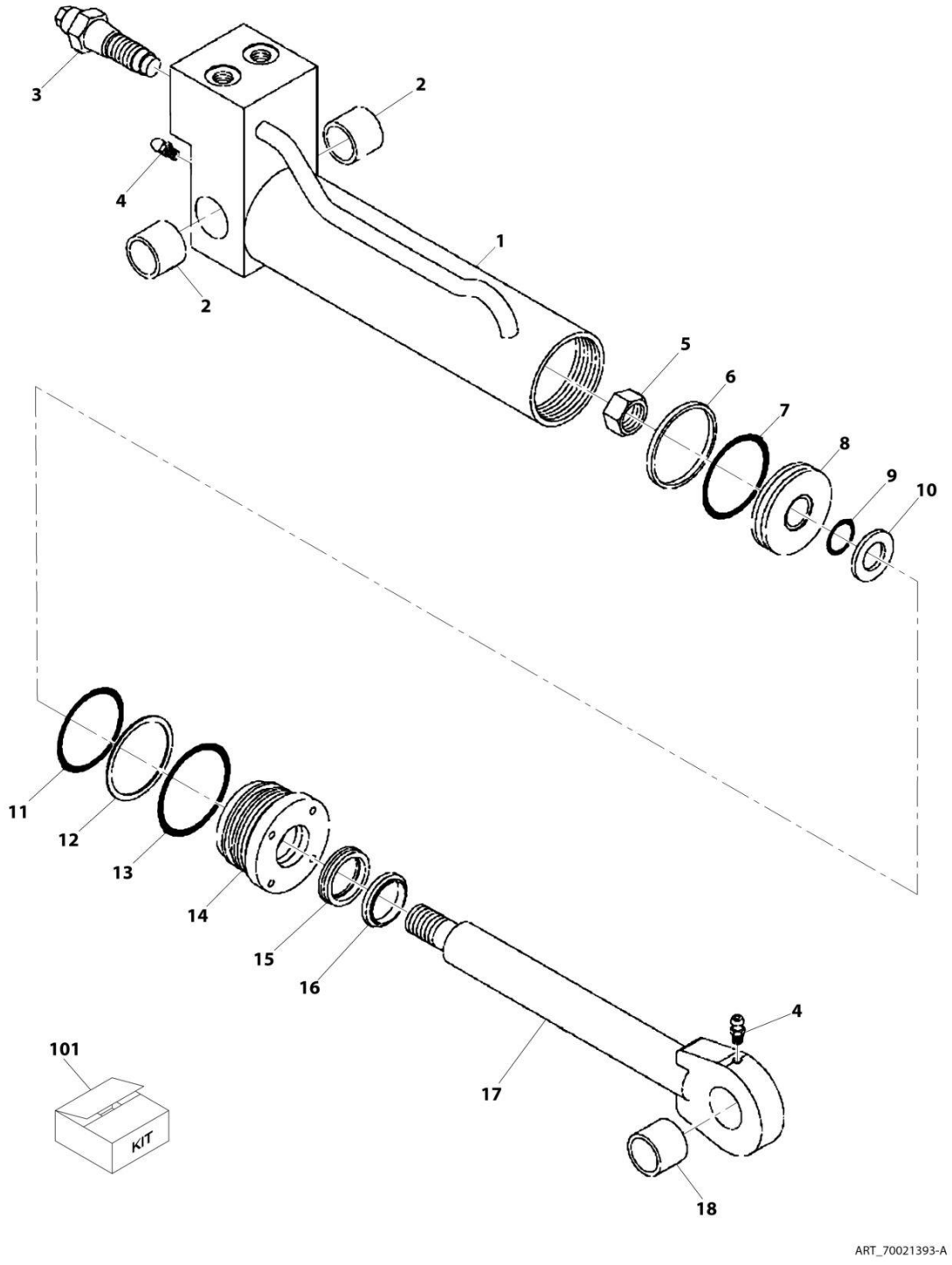


FIGURE 9-11. CYLINDER ASSEMBLY - GRAPPLE BUCKET

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 9-12. LIFT CYLINDER ASSEMBLY, INSTALLATION

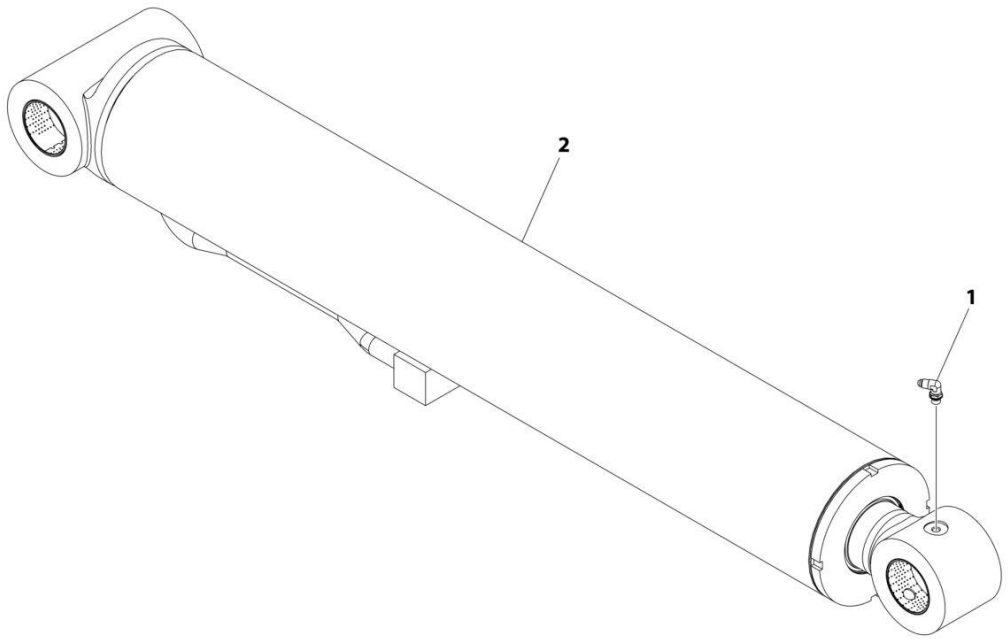


FIGURE 9-12. LIFT CYLINDER ASSEMBLY, INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264884	Ref	LIFT CYLINDER ASSEMBLY INSTALLATION	A
1	8770215	1	Elbow	
2	1001251095	1	Cylinder, Lift (See Separate Breakdown in this Section)	

FIGURE 9-13. CYLINDER ASSEMBLY - LIFT

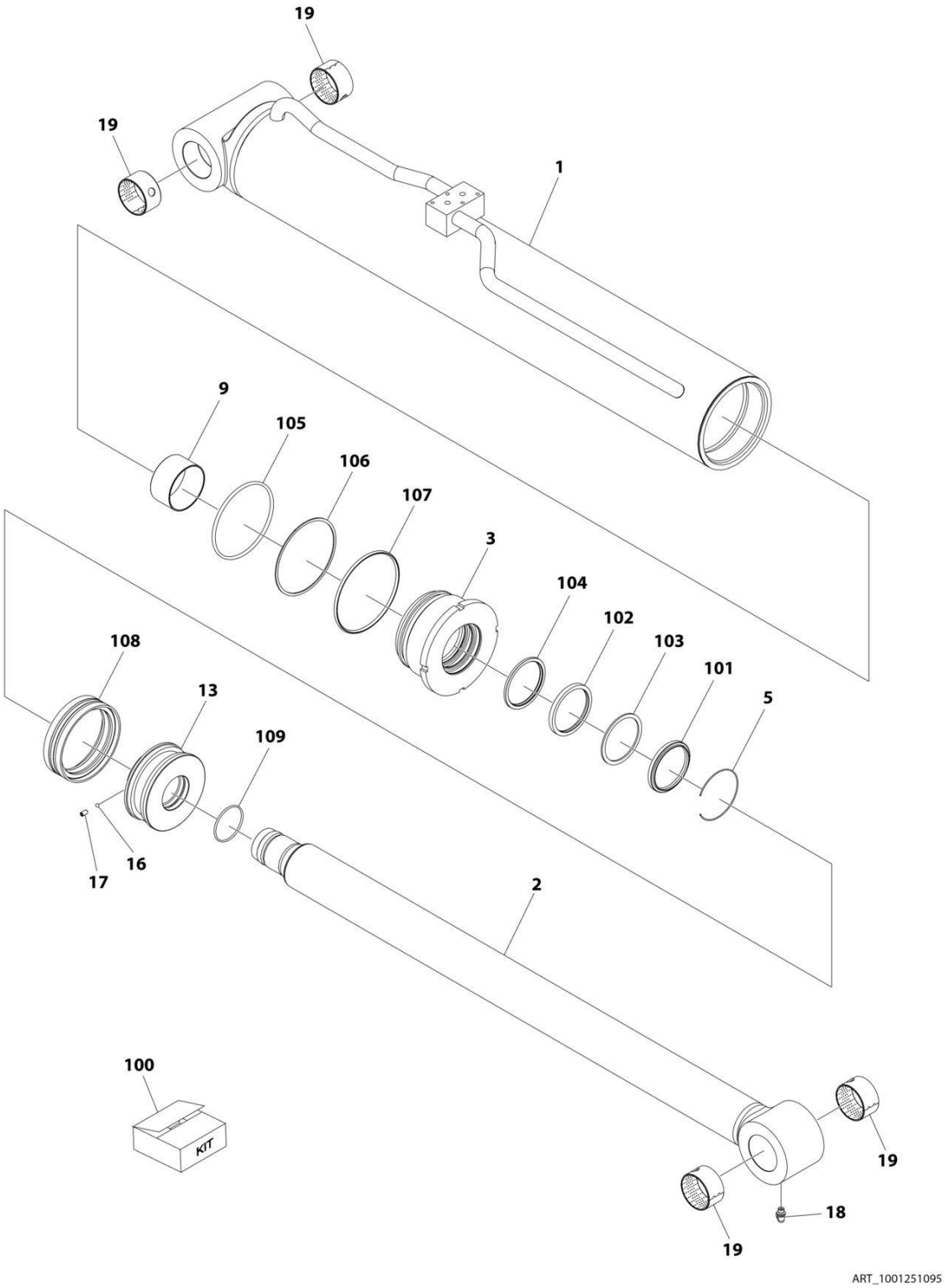


FIGURE 9-13. CYLINDER ASSEMBLY - LIFT

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 9-14. CYLINDER SUB-ASSEMBLY - QUICK COUPLER

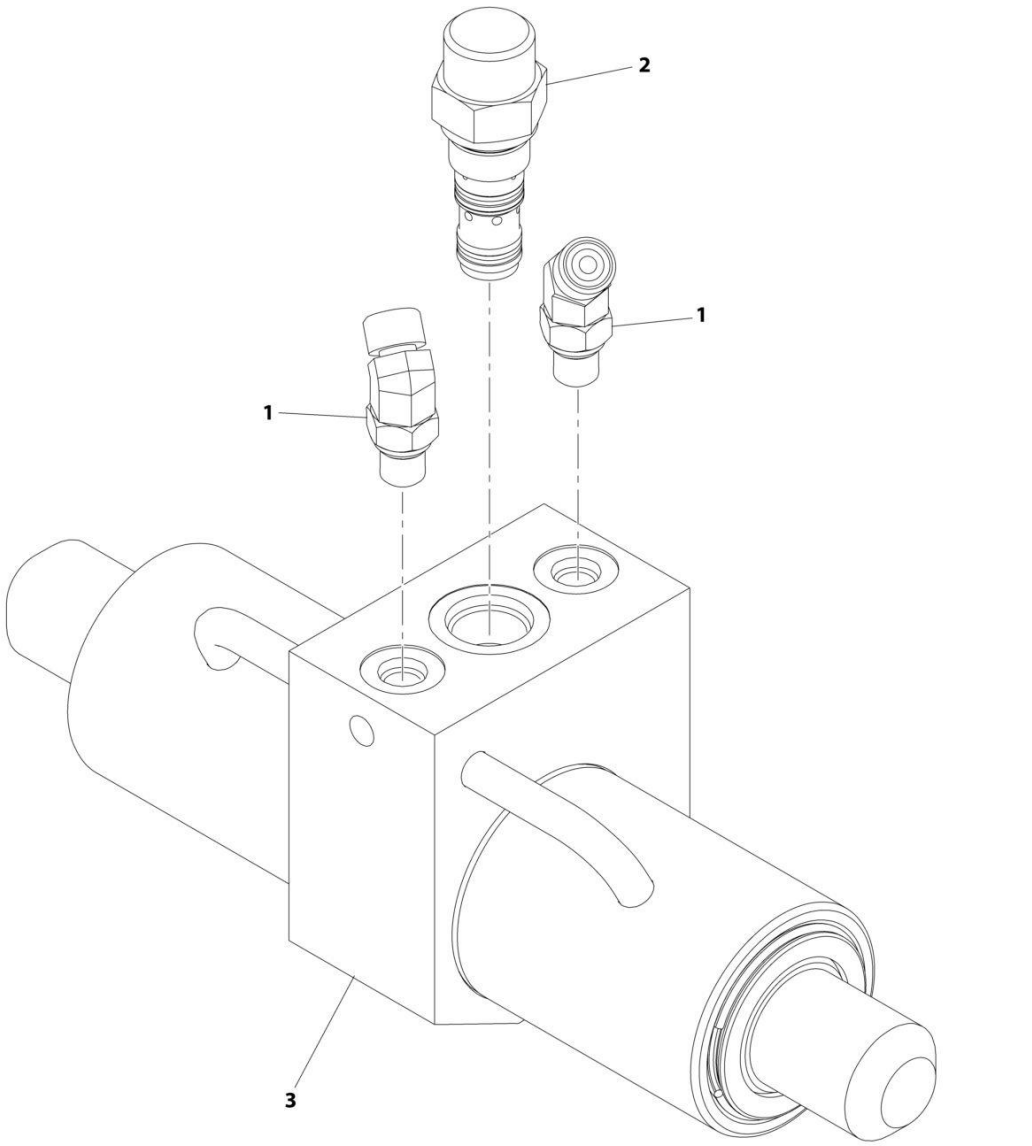


FIGURE 9-14. CYLINDER SUB-ASSEMBLY - QUICK COUPLER

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 9-15. CYLINDER ASSEMBLY - QUICK COUPLER

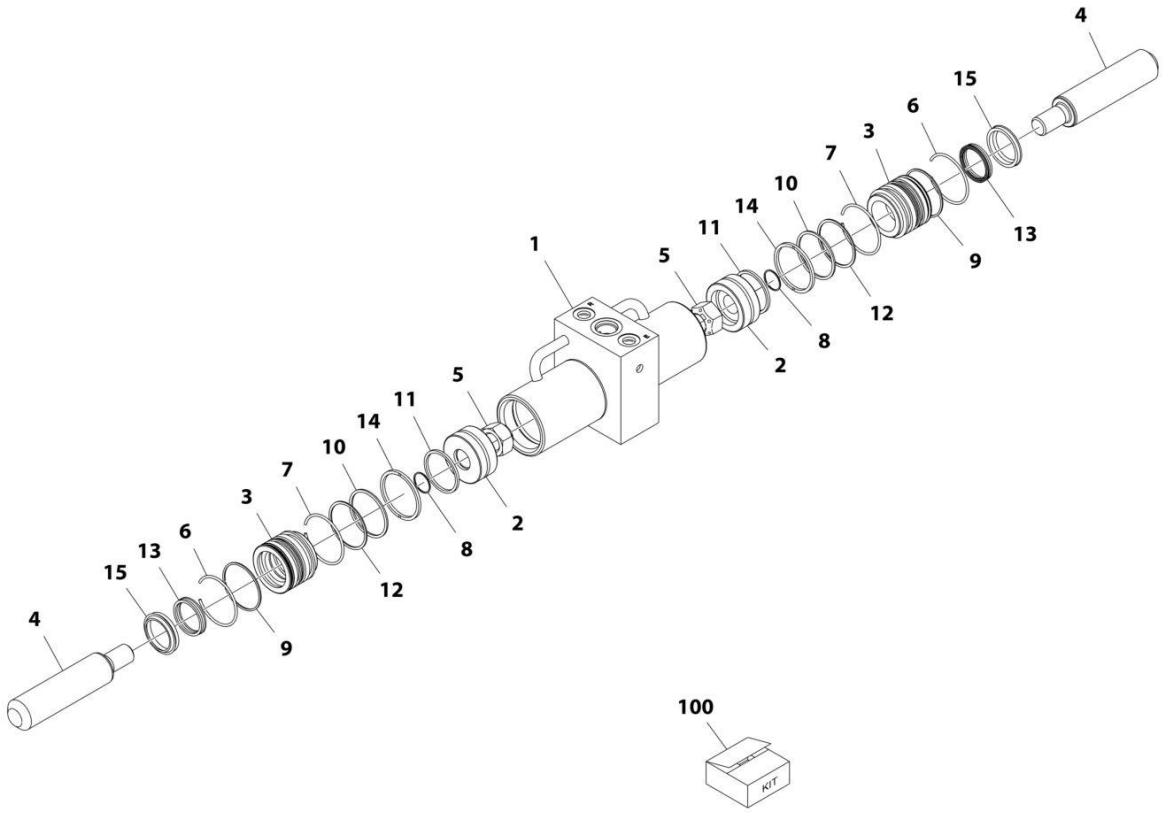
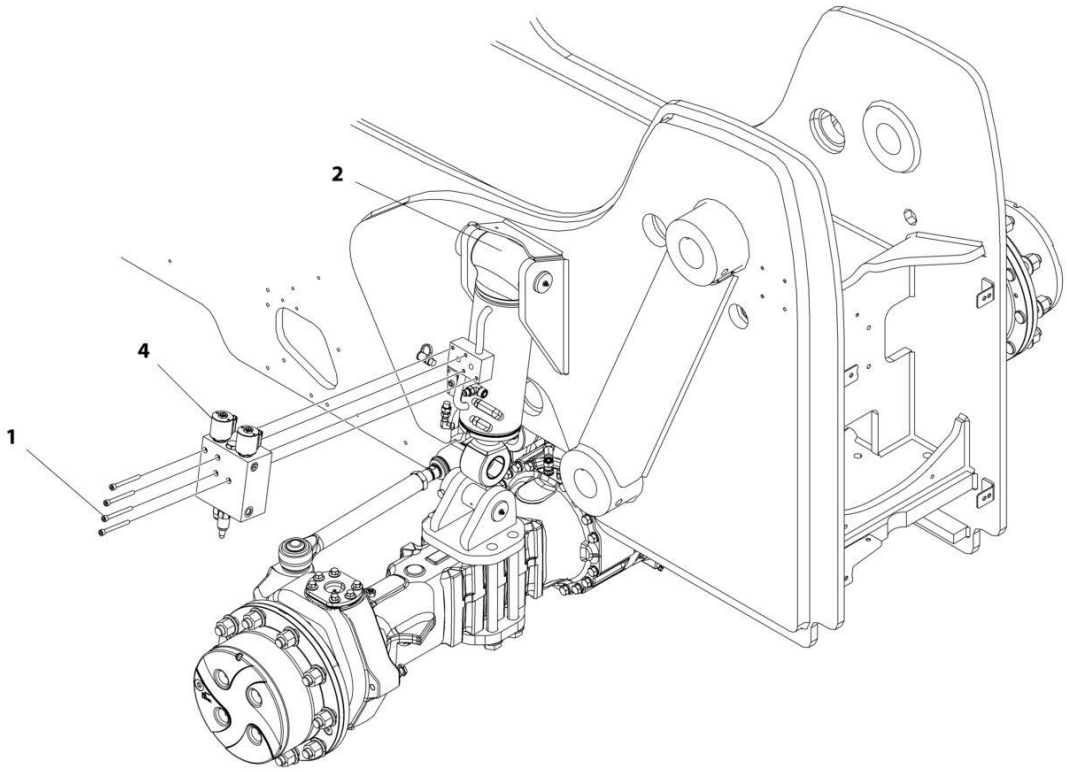


FIGURE 9-15. CYLINDER ASSEMBLY - QUICK COUPLER

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 9-16. CYLINDER INSTALLATION - REAR AXLE STABILIZER



ART_1001164036_E

FIGURE 9-16. CYLINDER INSTALLATION - REAR AXLE STABILIZER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164036	Ref	Rear Axle Stabilizer Cylinder Installation	E
1	4031920	4	Screw, M8X1.25	
2	1001158620	1	Cylinder, Frame Stability (See Separate Breakdown in HYDRAULC COMPONENTS Section)	
4	1001197600	Ref	Valve (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

FIGURE 9-17. CYLINDER ASSEMBLY - STABILIZER (REAR AXLE)

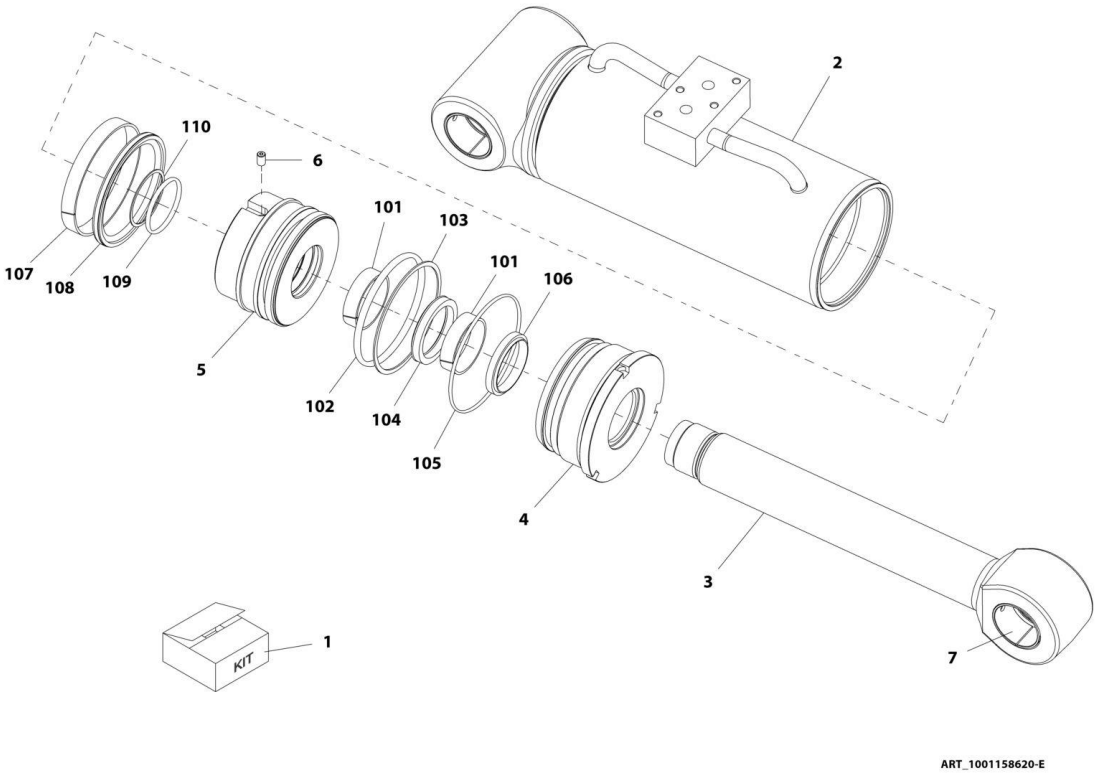


FIGURE 9-17. CYLINDER ASSEMBLY - STABILIZER (REAR AXLE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158620	Ref	Rear Axle Stability Cylinder	E
		Ref	**Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.**	
2	70026250	1	Barrel	
3	70026252	1	Rod	
4	70026249	1	Rod, Guide	
5	70026251	1	Piston	
6	70020438	1	Screw	
7	70020476	1	Bushing	
1	70026253	1	Kit, Seal (includes items 101 thru 110)	
101	Kit	2	Bearing	
102	Kit	1	O-Ring	
103	Kit	1	Ring, Back-Up	
104	Kit	1	Seal, Rod	
105	Kit	1	O-Ring	
106	Kit	1	Wiper	
107	Kit	1	Bearing	
108	Kit	1	Seal, Piston	
109	Kit	1	O-Ring	
110	Kit	1	Ring, Back-Up	

FIGURE 9-18. CYLINDER SUB-ASSEMBLY - TILT

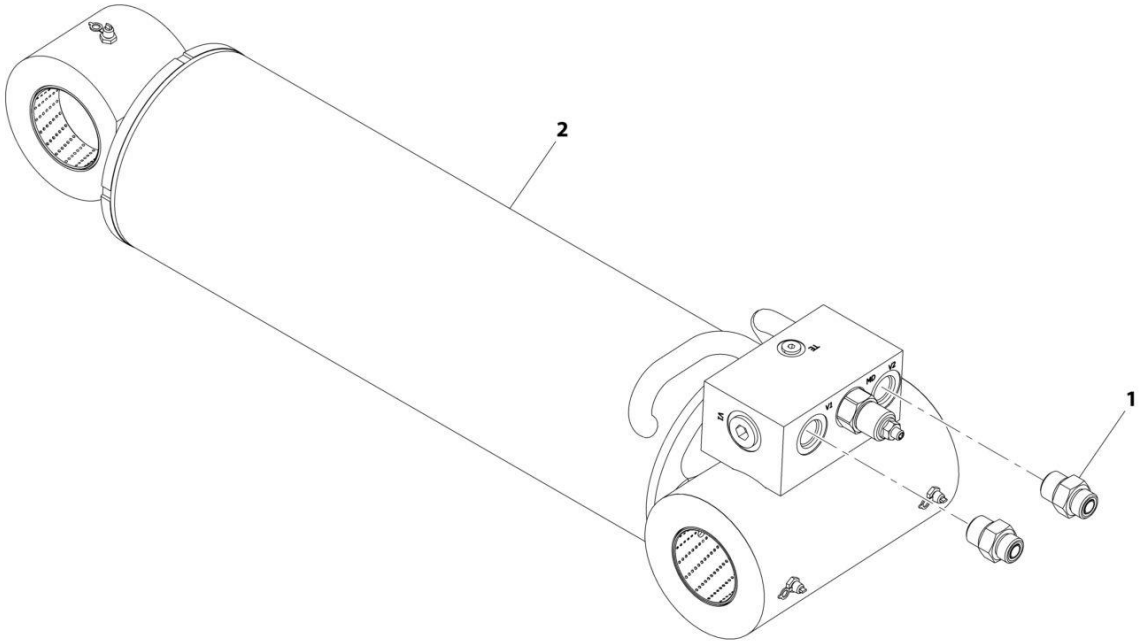


FIGURE 9-18. CYLINDER SUB-ASSEMBLY - TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184640	Ref	Tilt Cylinder Assembly	C
1	2110810	2	Fitting, Straight ORFS	
2	1001228073	Ref	Tilt Cylinder (See Separate Breakdown in this Section)	

FIGURE 9-19. CYLINDER ASSEMBLY - TILT

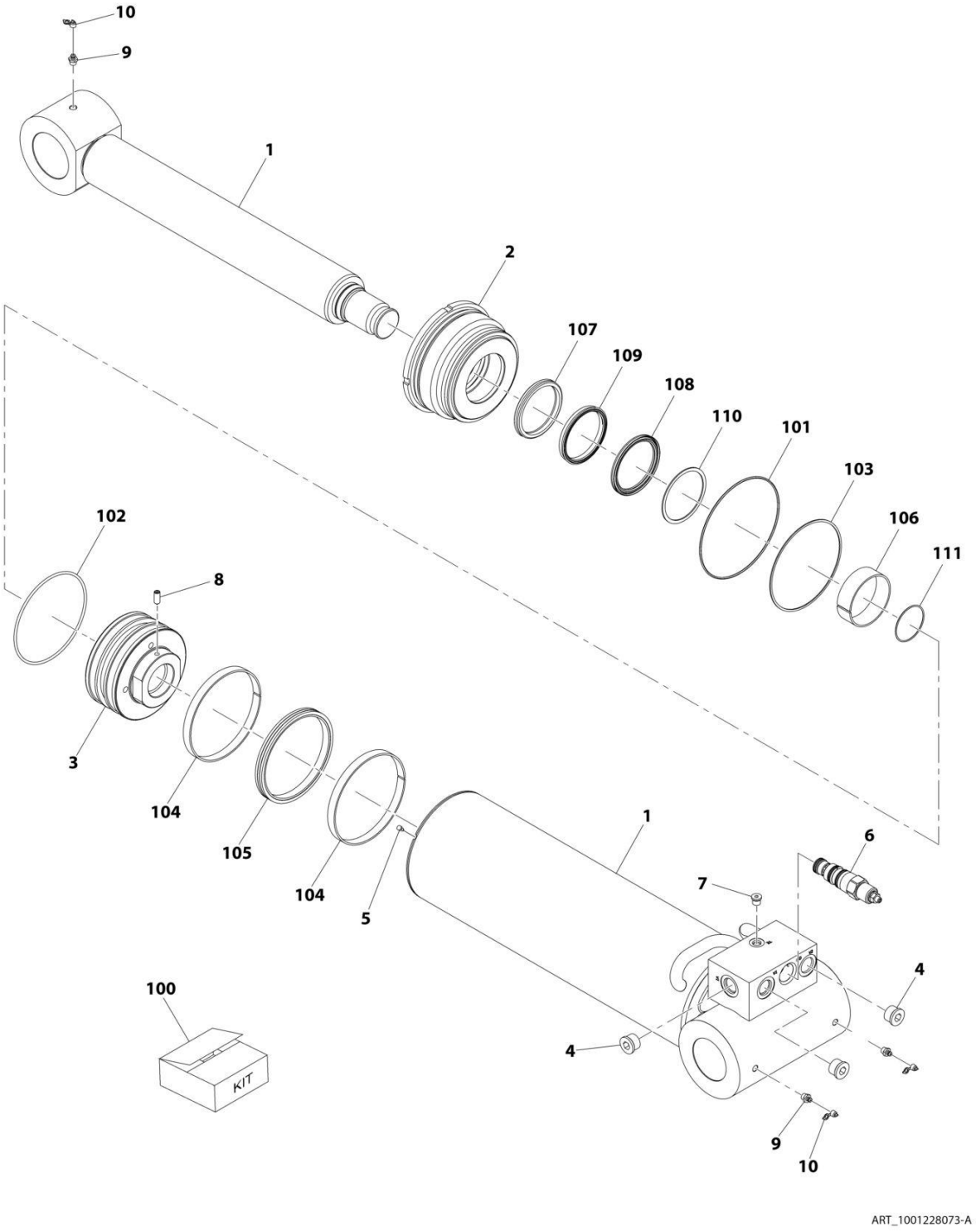


FIGURE 9-19. CYLINDER ASSEMBLY - TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228073	Ref	Tilt Cylinder	A
1	70029036	1	Rod Assembly	
2	70029037	1	Gland	
3	70029038	1	Piston	
4	2220887	3	Plug	
5	1001125137	1	Screw, Self Tapping	
6	1001189888	1	Valve, Counterbalance	
7	1001163267	1	Plug	
8	1001169050	1	Screw, M8X1.25	
9	2160016	3	Fitting, Grease	
10	8887145	3	Cap, Grease Fitting	
100	1001168666	1	Kit, Seal (includes items 101 thru 111)	
101	Kit	1	O-Ring	
102	Kit	1	O-Ring	
103	Kit	1	Ring, Back-Up	
104	Kit	2	Ring, Piston Wear	
105	Kit	1	Seal, Piston Cap	
106	Kit	1	Seal, Wear Head	
107	Kit	1	Seal, Rod Buffer	
108	Kit	1	Seal, Rod Wiper	
109	Kit	1	Seal, Rod Type B	
110	Kit	1	Ring, Back-Up	
111	Kit	1	O-Ring	

FIGURE 9-20. CYLINDER ASSEMBLY - OUTRIGGER

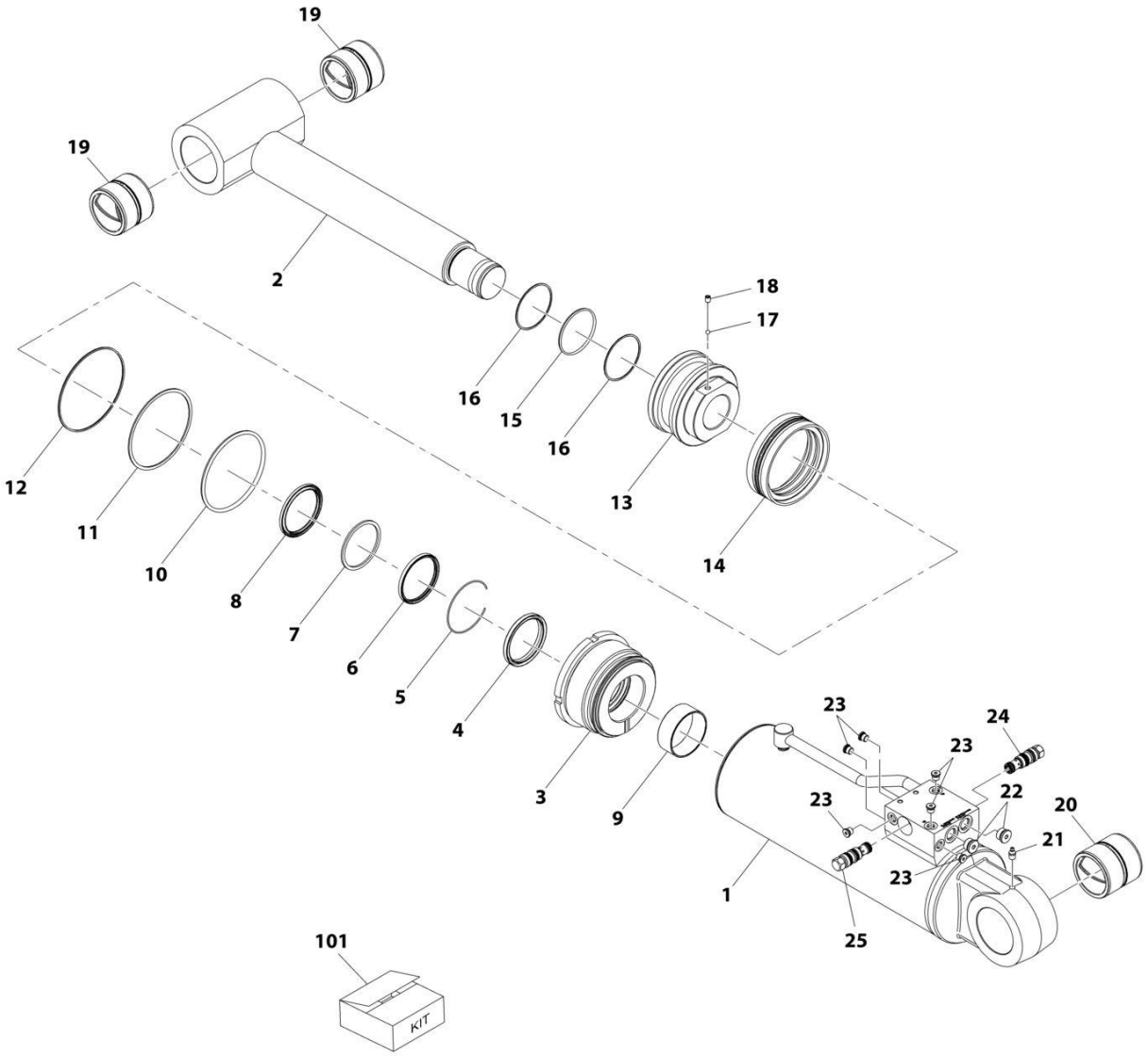


FIGURE 9-20. CYLINDER ASSEMBLY - OUTRIGGER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213065	Ref	Outrigger Cylinder	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70027758	1	Tube Assembly	
2	70026300	1	Rod Assembly	
3	70026301	1	Gland	
4	Kit	1	Dust Wiper	
5	70023379	1	Retain Ring	
6	Kit	1	Rod Seal	
7	Kit	1	Back-up Ring	
8	Kit	1	Buffer Ring	
9	70026302	1	Dry Bearing	
10	Kit	1	O-ring	
11	Kit	1	Back-up Ring	
12	Kit	1	O-ring	
13	70026303	1	Piston	
14	Kit	1	Piston Seal	
15	Kit	1	O-ring	
16	Kit	2	Back-up Ring	
17	70022564	1	Steel Ball	
18	70023369	1	Set Screw	
19	70026304	2	Pin Bush	
20	70026305	1	Pin Bush	
21	70026308	1	Grease Nipple	
22	2220886	2	Hex Soc. Plug	
23	2220883	6	Hex Soc. Plug	
24	1001214653	1	Counter Balance Valve	
25	1001214654	1	Counter Balance Valve	
101	70026309	1	Kit, Seal (includes items 4, 6, 7, 8, 10, 11, 12 & 14 thru 16)	

FIGURE 9-21. PUMP ASSEMBLY - PISTON

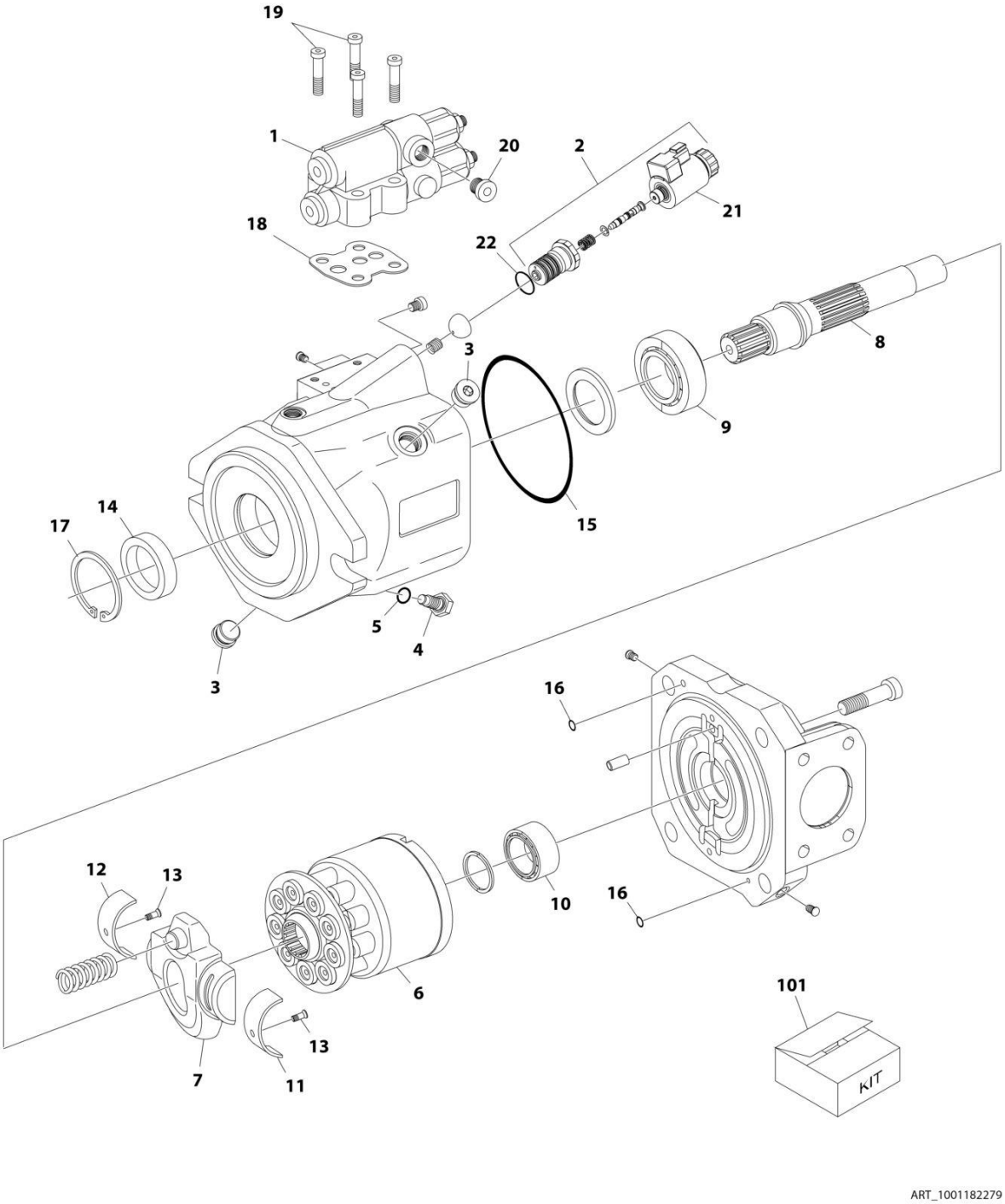


FIGURE 9-21. PUMP ASSEMBLY - PISTON

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. TANK HYDRAULIC

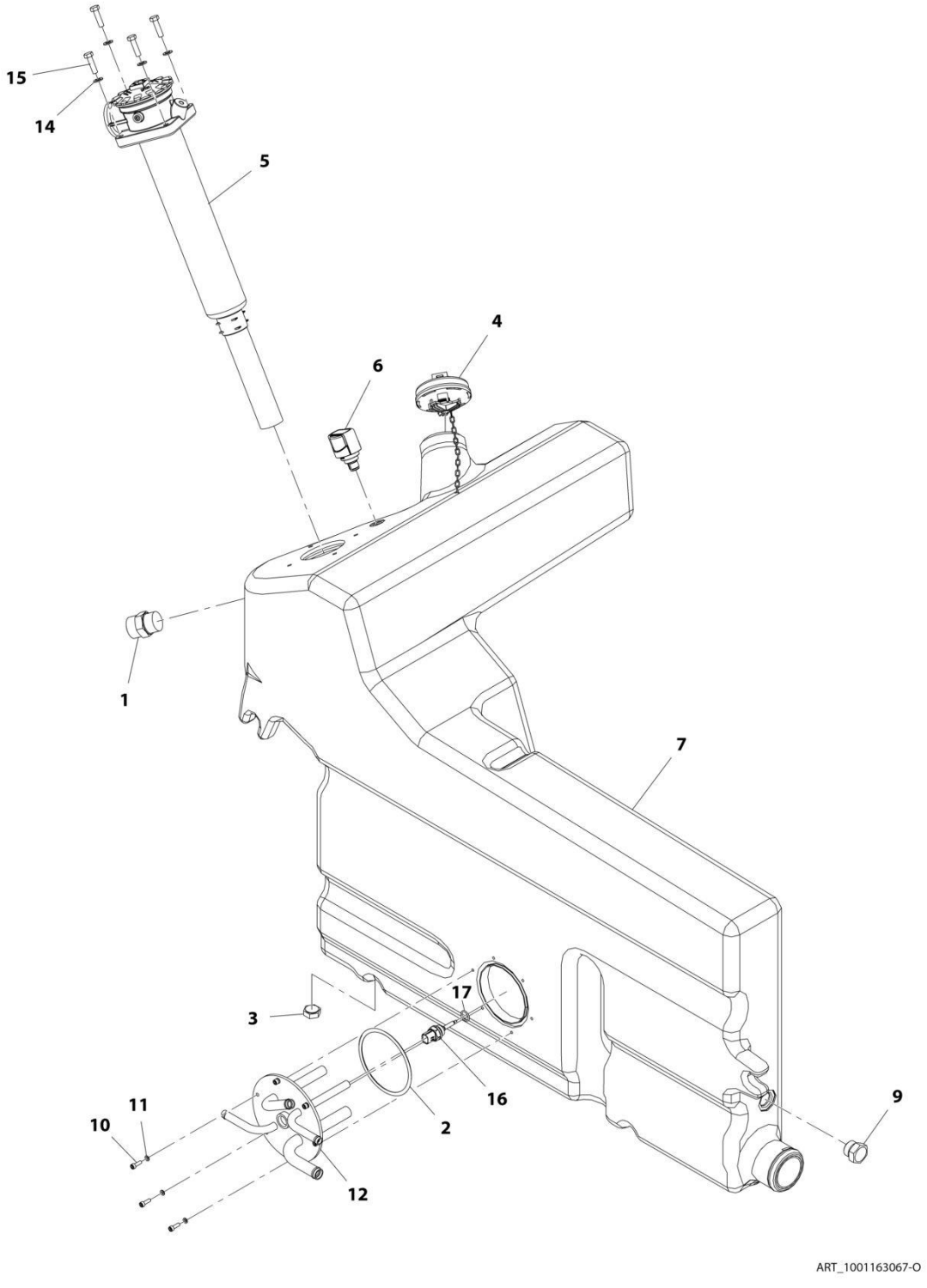
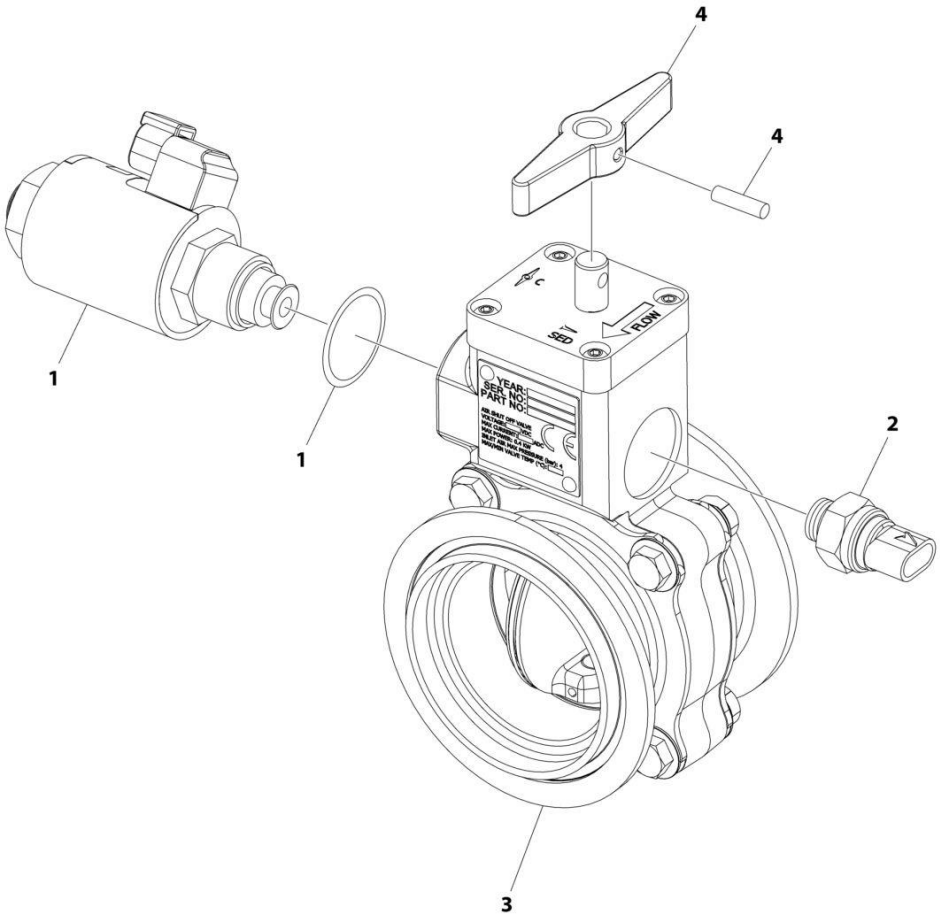


FIGURE 9-22. TANK HYDRAULIC

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. VALVE, AIR SHUT OFF



ART_1001204032_C

FIGURE 9-23. 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 9-24. VALVE AND FITTINGS - CARRIAGE (DUAL FORK)

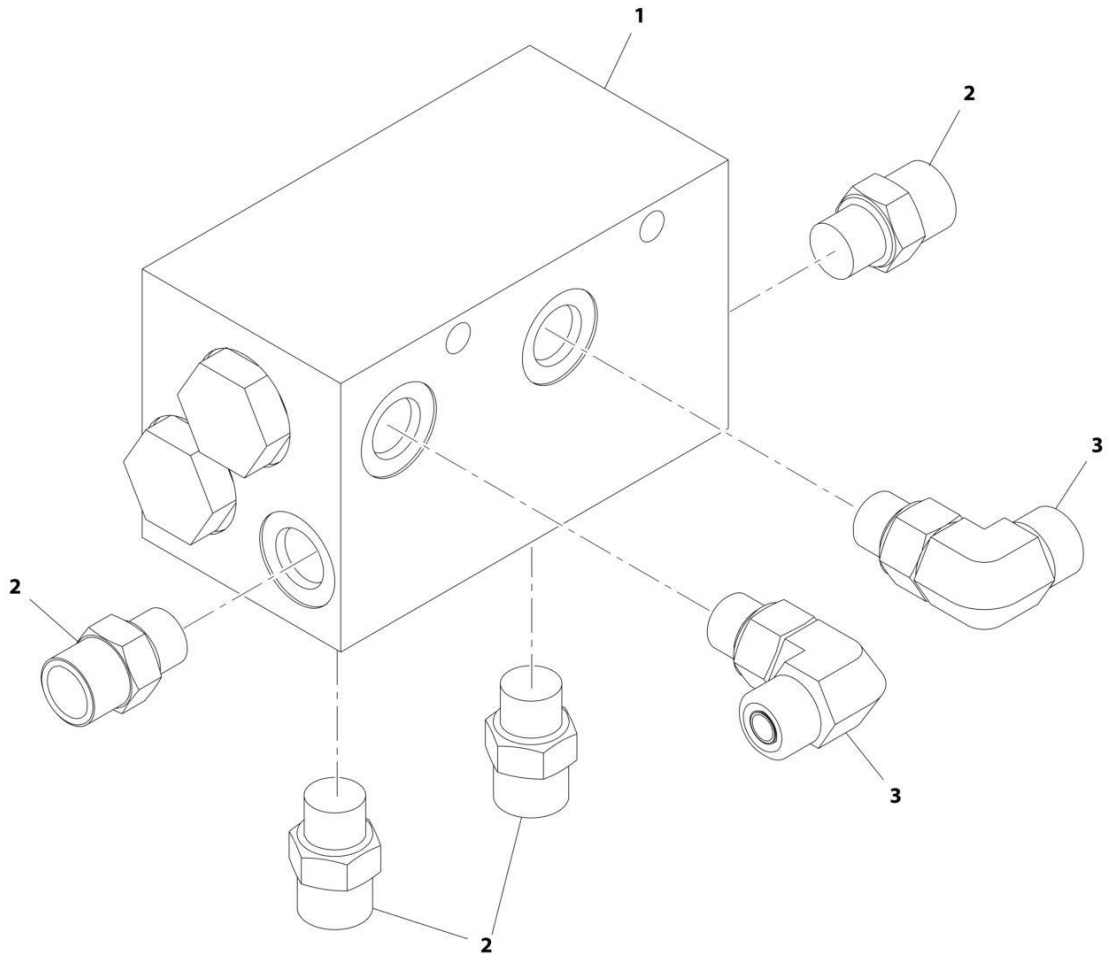


FIGURE 9-24. VALVE AND FITTINGS - CARRIAGE (DUAL FORK)

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 9-25. VALVE - CARRIAGE DUAL FORK FLOW DIVIDER

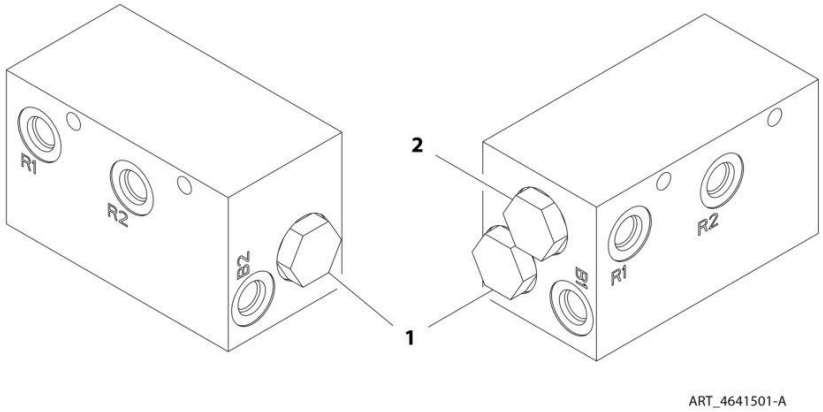


FIGURE 9-25. VALVE - CARRIAGE DUAL FORK FLOW DIVIDER

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

FIGURE 9-26. VALVE ASSEMBLY - FRAME LEVEL AND OUTRIGGER

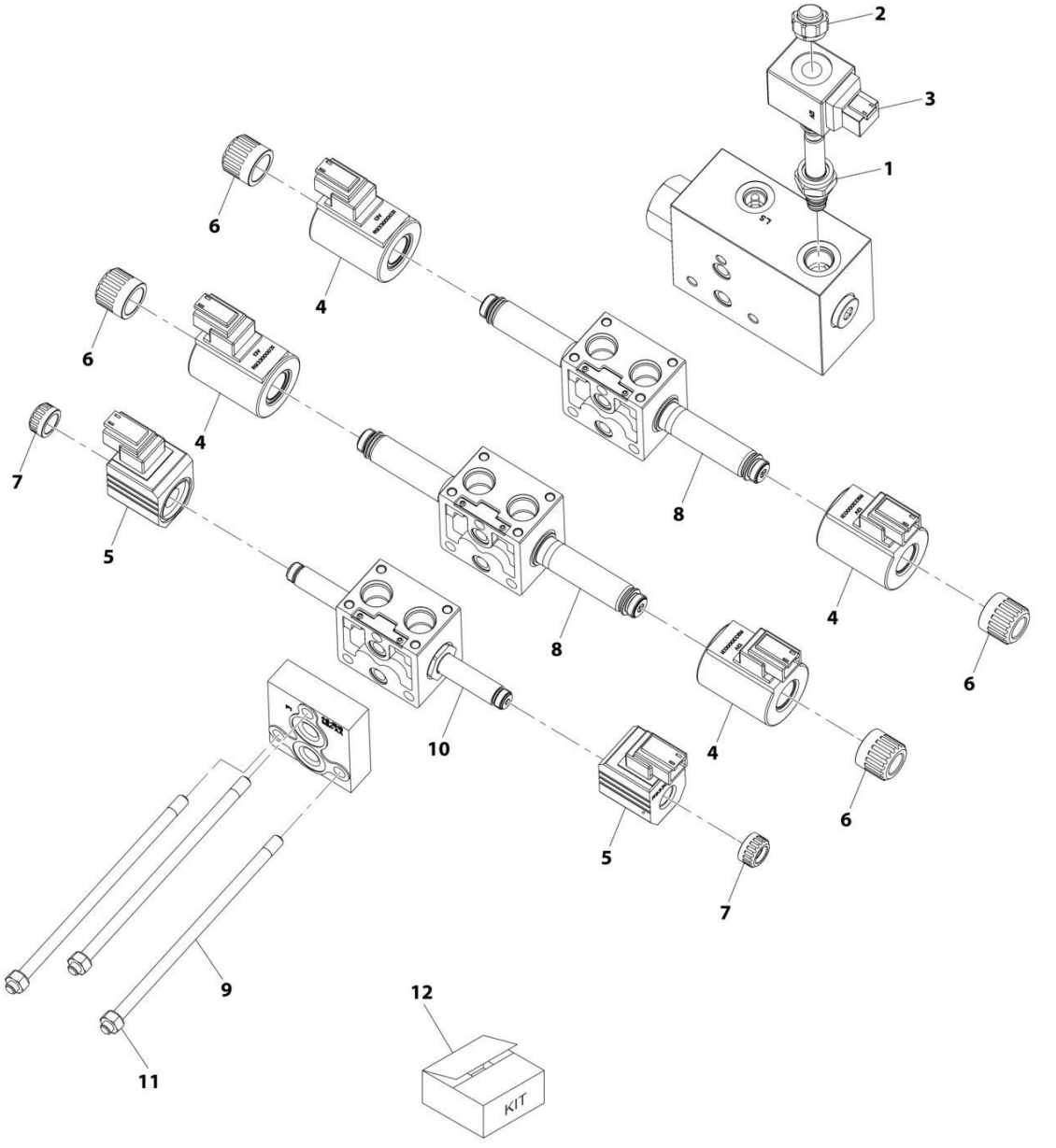


FIGURE 9-26. VALVE ASSEMBLY - FRAME LEVEL AND OUTRIGGER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001157972	Ref	Valve, Frame Level and Outrigger	F
1	70023327	1	Solenoid	
2	70004654	1	Nut, Coil	
3	70022147	1	Coil	
4	70020868	4	Coil	
5	70021208	2	Coil	
6	70020867	4	Kit, Retainer, W/Seals	
7	70021209	2	Kit, Retainer, W/Seals	
8	70026568	2	Section, Outrigger Valve	
9	70026569	3	Rod, Tie	
10	70021213	1	Section, Frame Level	
11	70026570	3	Nut	
12	70026571	1	Kit, Seal	
	Kit	1	O-Ring	
	Kit	1	O-Ring	
	Kit	1	O-Ring	
	Kit	1	O-Ring	
	Kit	1	O-Ring	
	Kit	1	O-Ring	
	Kit	4	O-Ring	
	Kit	4	O-Ring	
	Kit	2	O-Ring	
	Kit	2	O-Ring	

FIGURE 9-27. VALVE ASSEMBLY - MAIN CONTROL

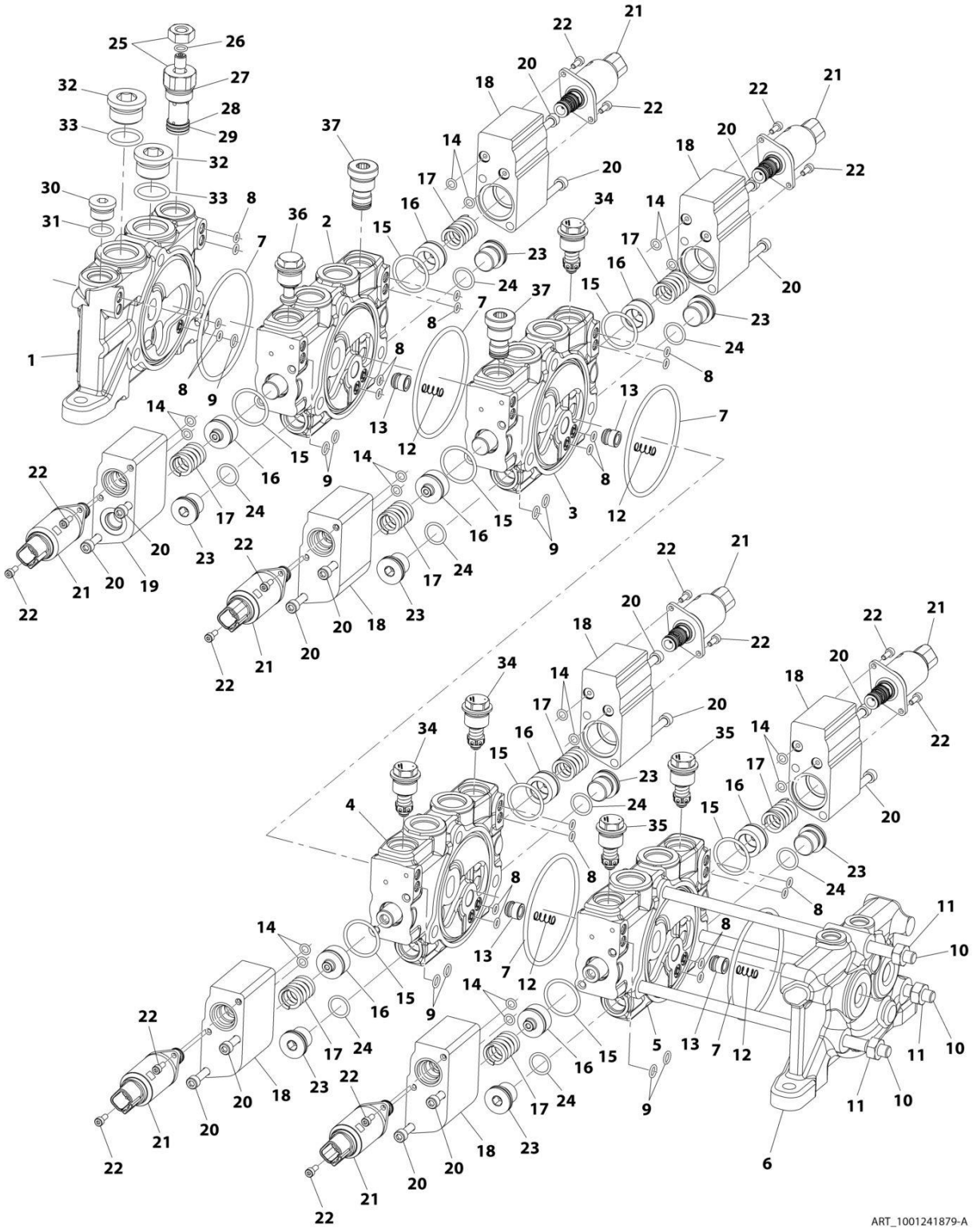
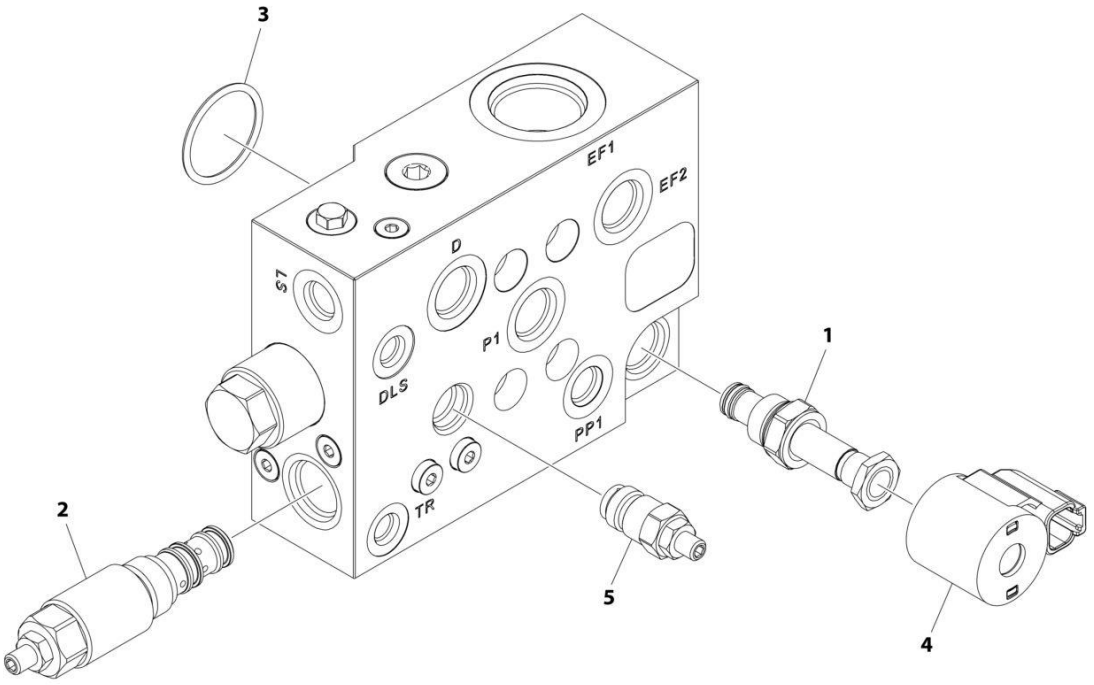


FIGURE 9-27. VALVE ASSEMBLY - MAIN CONTROL

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 9-28. VALVE ASSEMBLY – PRIORITY



ART_1001252567

FIGURE 9-28. 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 9-29. VALVE ASSEMBLY - QUICK COUPLER

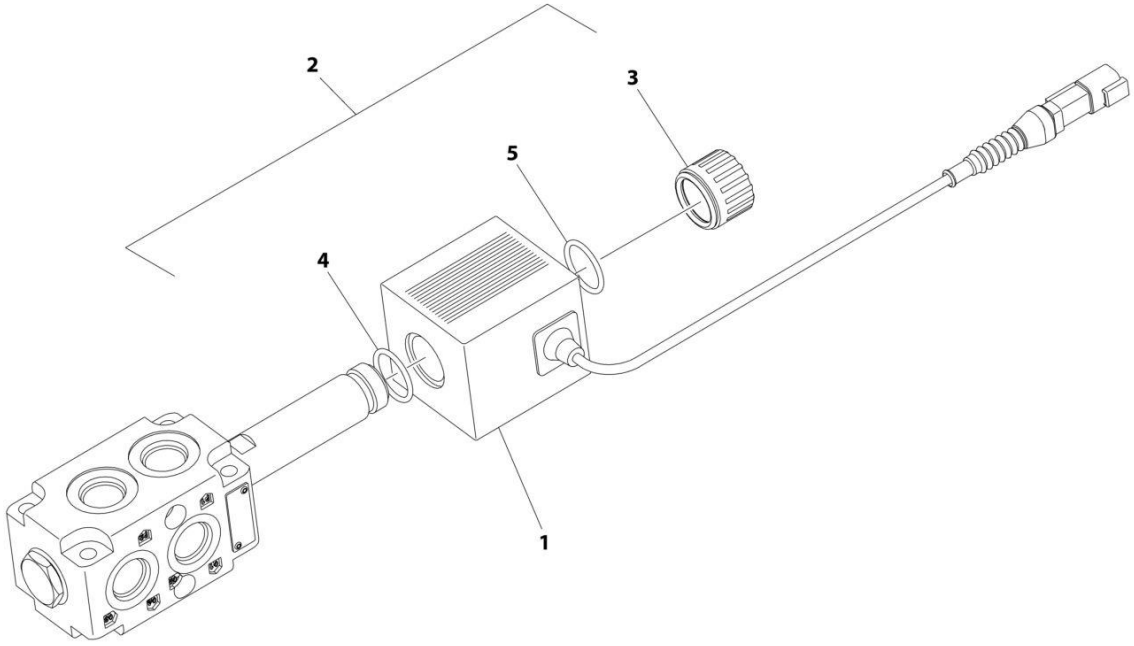


FIGURE 9-29. VALVE ASSEMBLY - QUICK COUPLER

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 9-30. VALVE ASSEMBLY - SAHR BRAKE

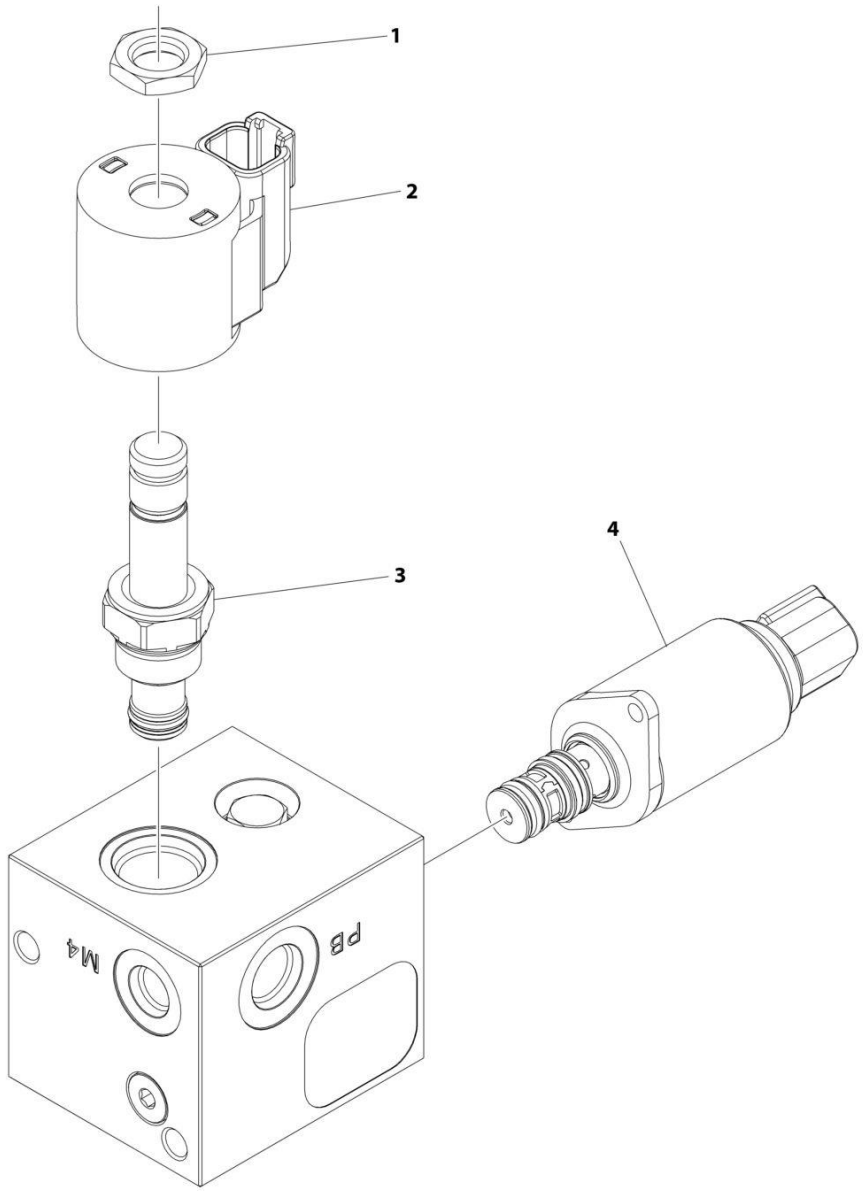


FIGURE 9-30. VALVE ASSEMBLY - SAHR BRAKE

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 9-31. VALVE ASSEMBLY - STABILIZER (REAR AXLE)

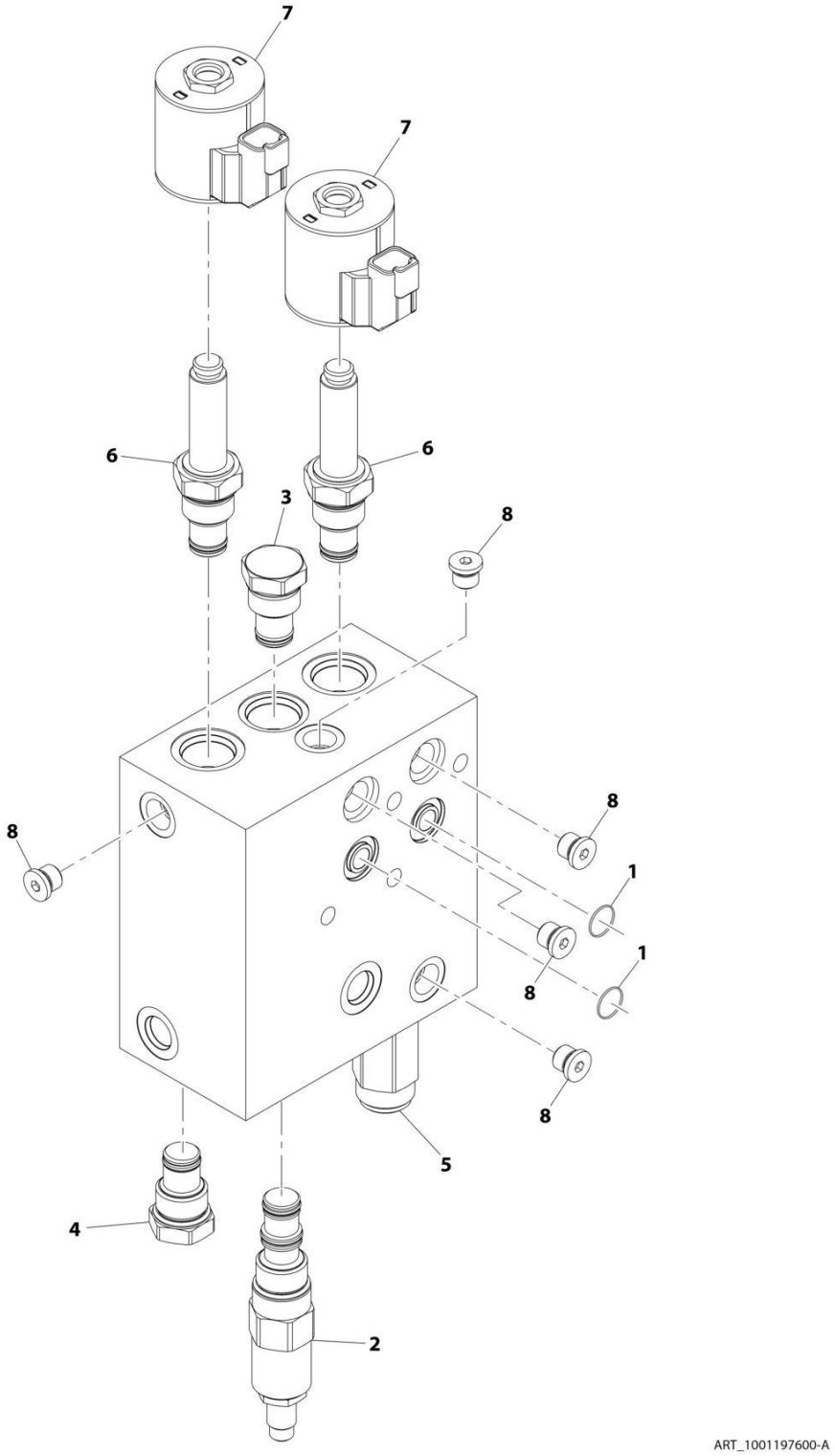


FIGURE 9-31. VALVE ASSEMBLY - STABILIZER (REAR AXLE)

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 9-32. VALVE ASSEMBLY - STEERING

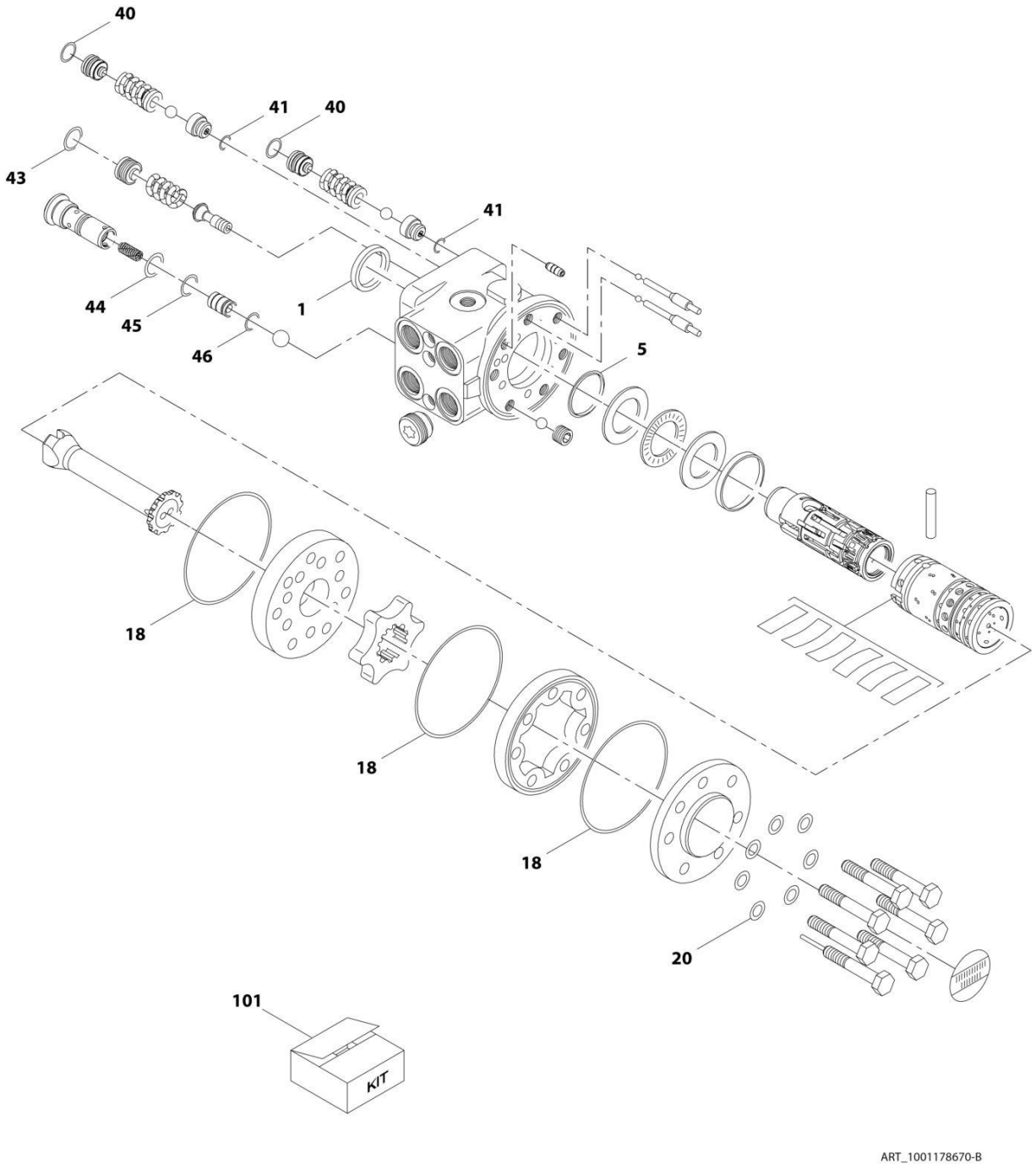


FIGURE 9-32. VALVE ASSEMBLY - STEERING

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 9-33. VALVE ASSEMBLY - STEERING ORBITAL

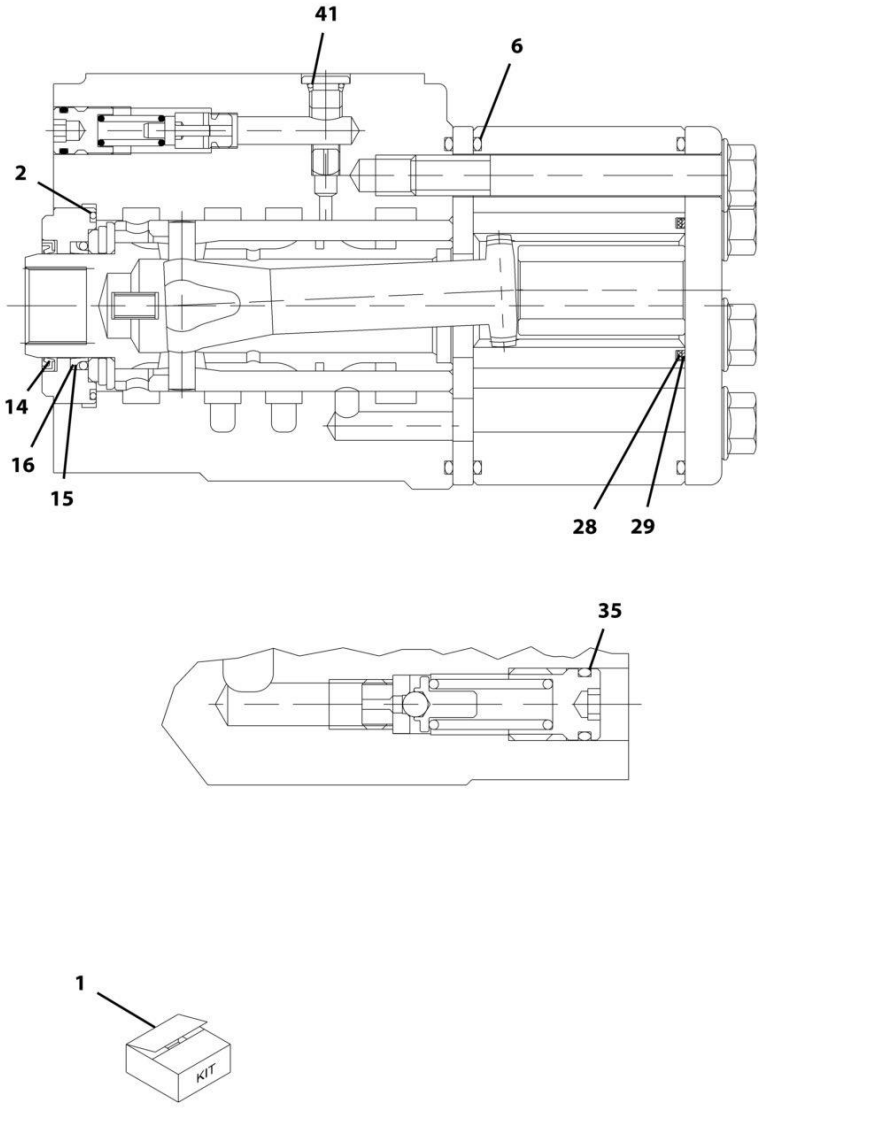
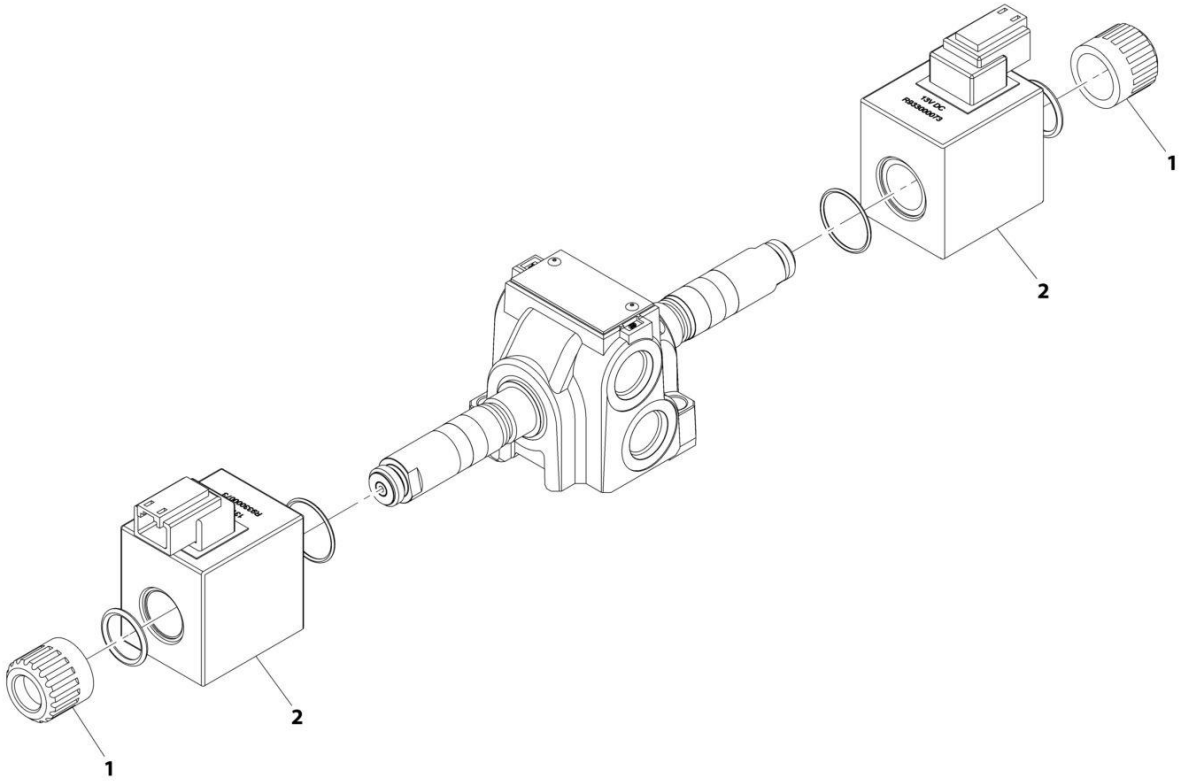


FIGURE 9-33. VALVE ASSEMBLY - STEERING ORBITAL

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 9-34. VALVE ASSEMBLY - STEERING SELECT



ART_1001153748-C

FIGURE 9-34. 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)

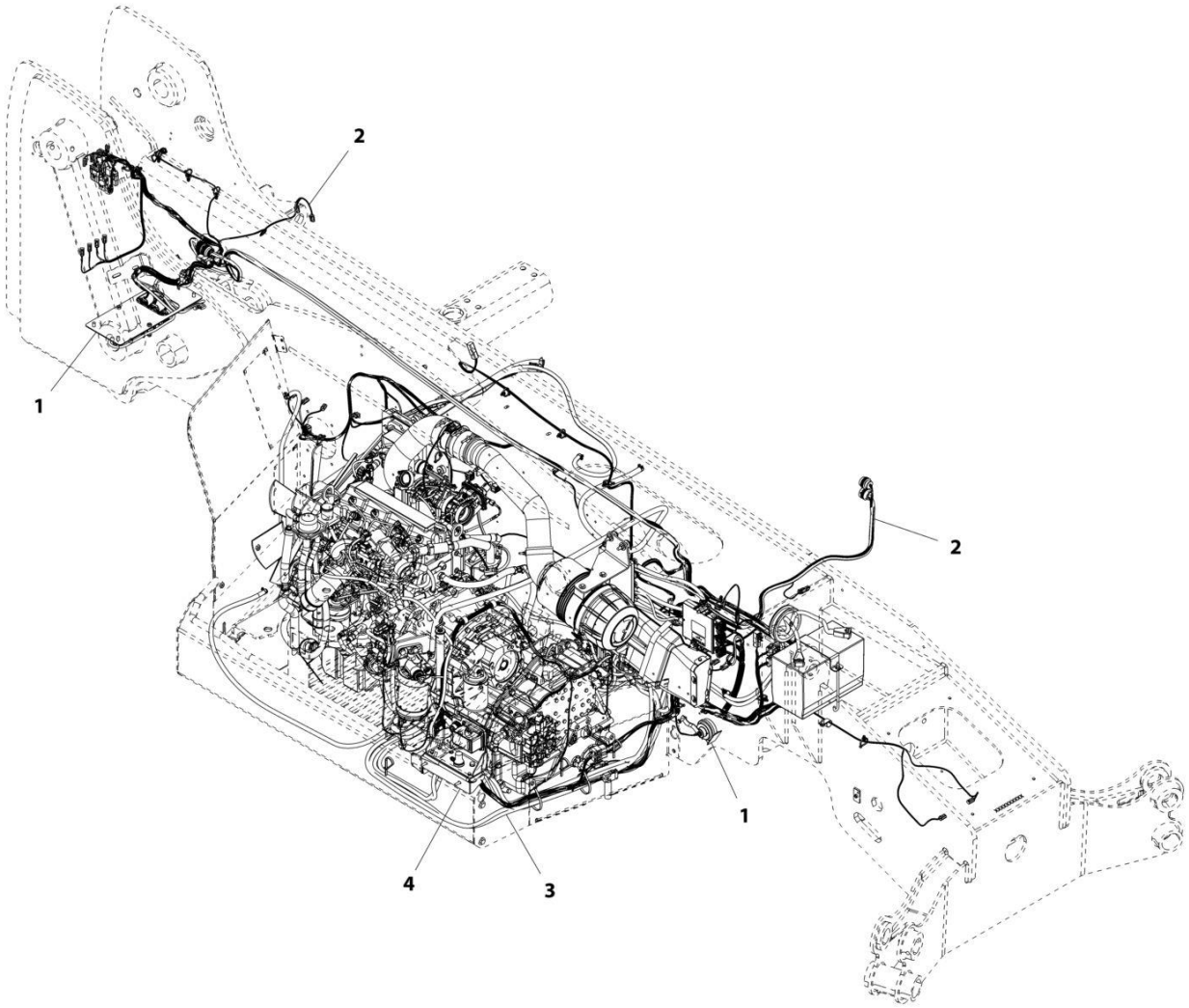


FIGURE 10-1. MAIN ELECTRICAL INSTALLATION (ULS)

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 10-2. MAIN ELECTRICAL INSTALLATION (LS)

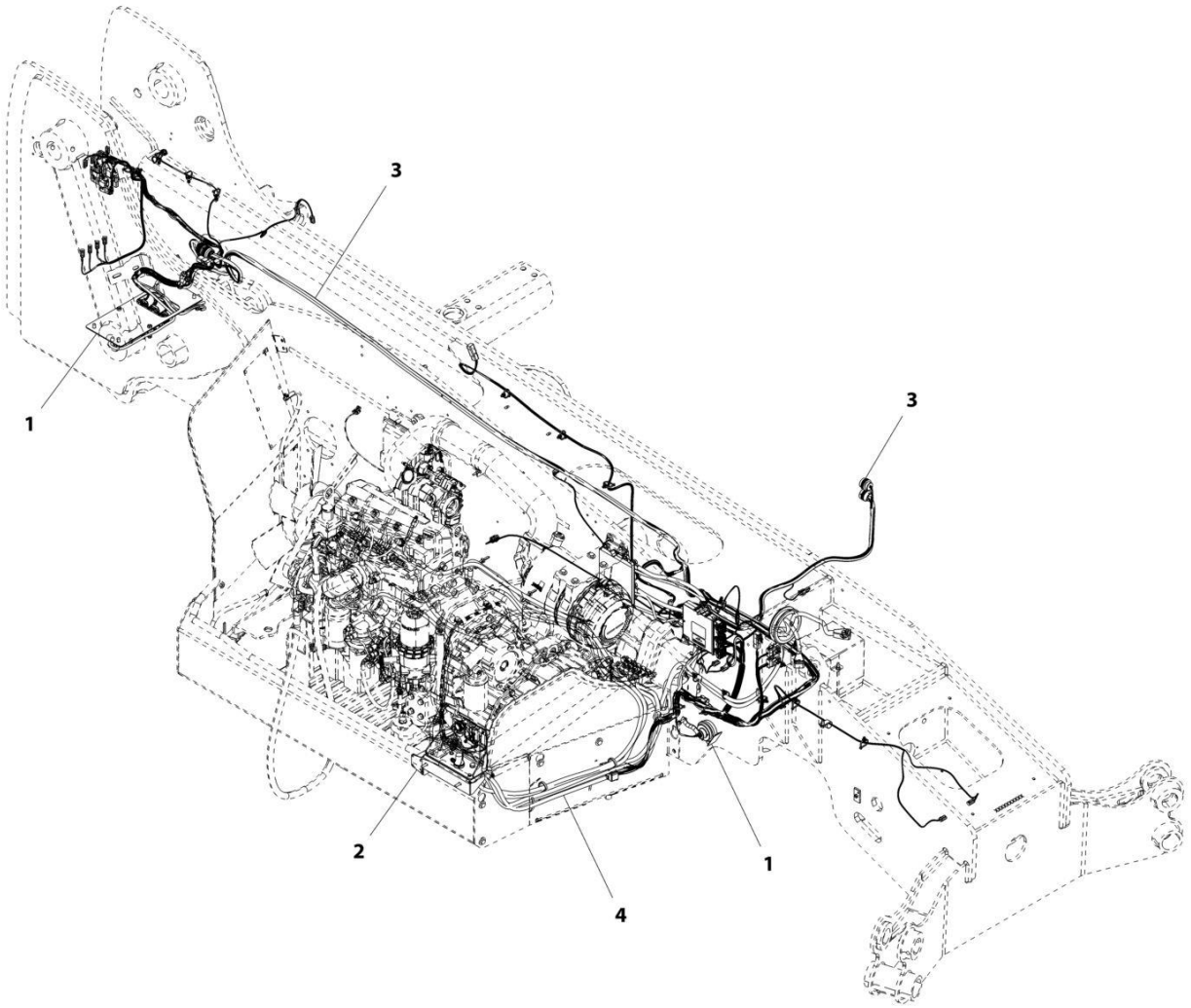


FIGURE 10-2. MAIN ELECTRICAL INSTALLATION (LS)

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 10-3. A/C OPTION HARNESS

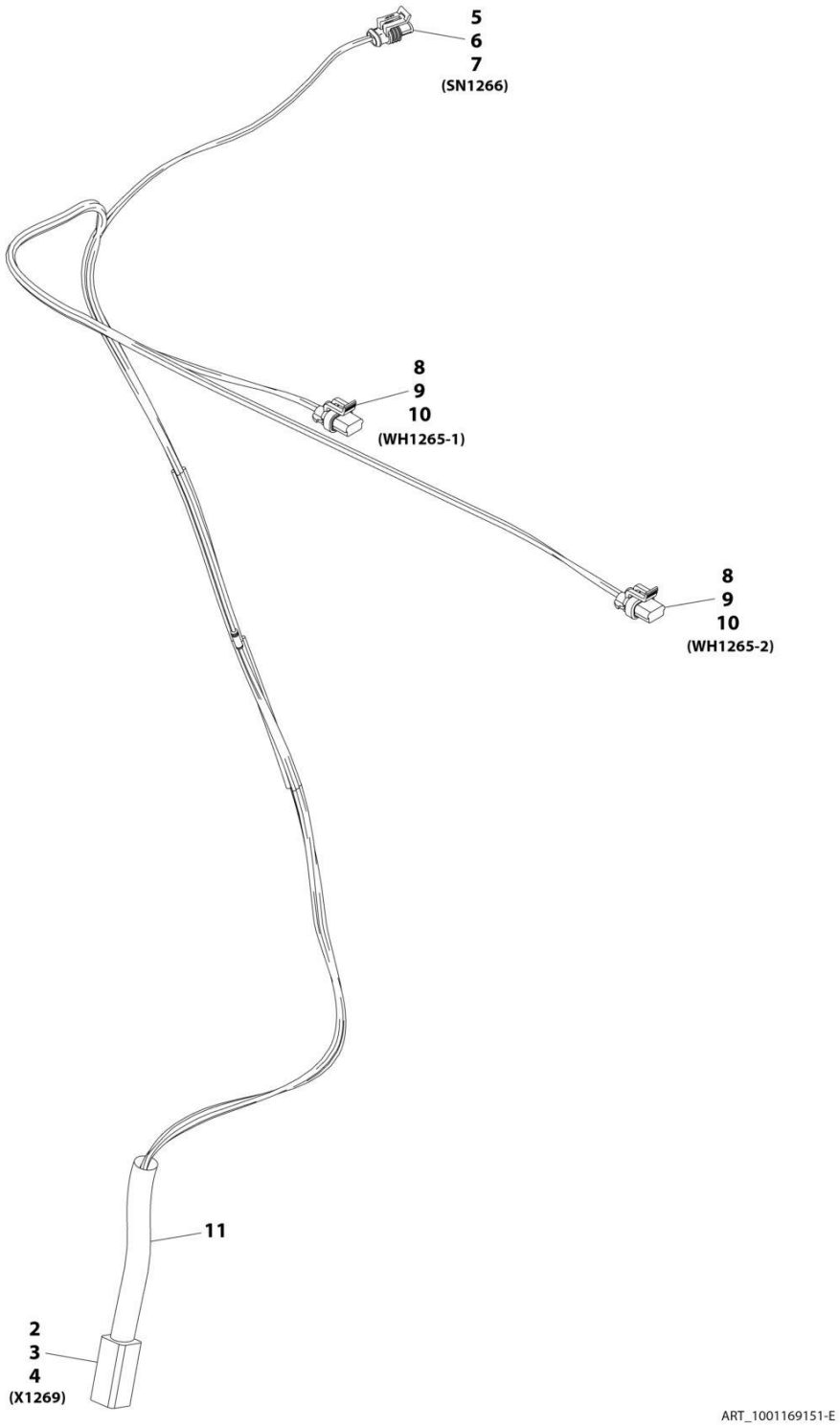


FIGURE 10-3. A/C OPTION HARNESS

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 10-4. AIR SHUT OFF VALVE HARNESS - CAB

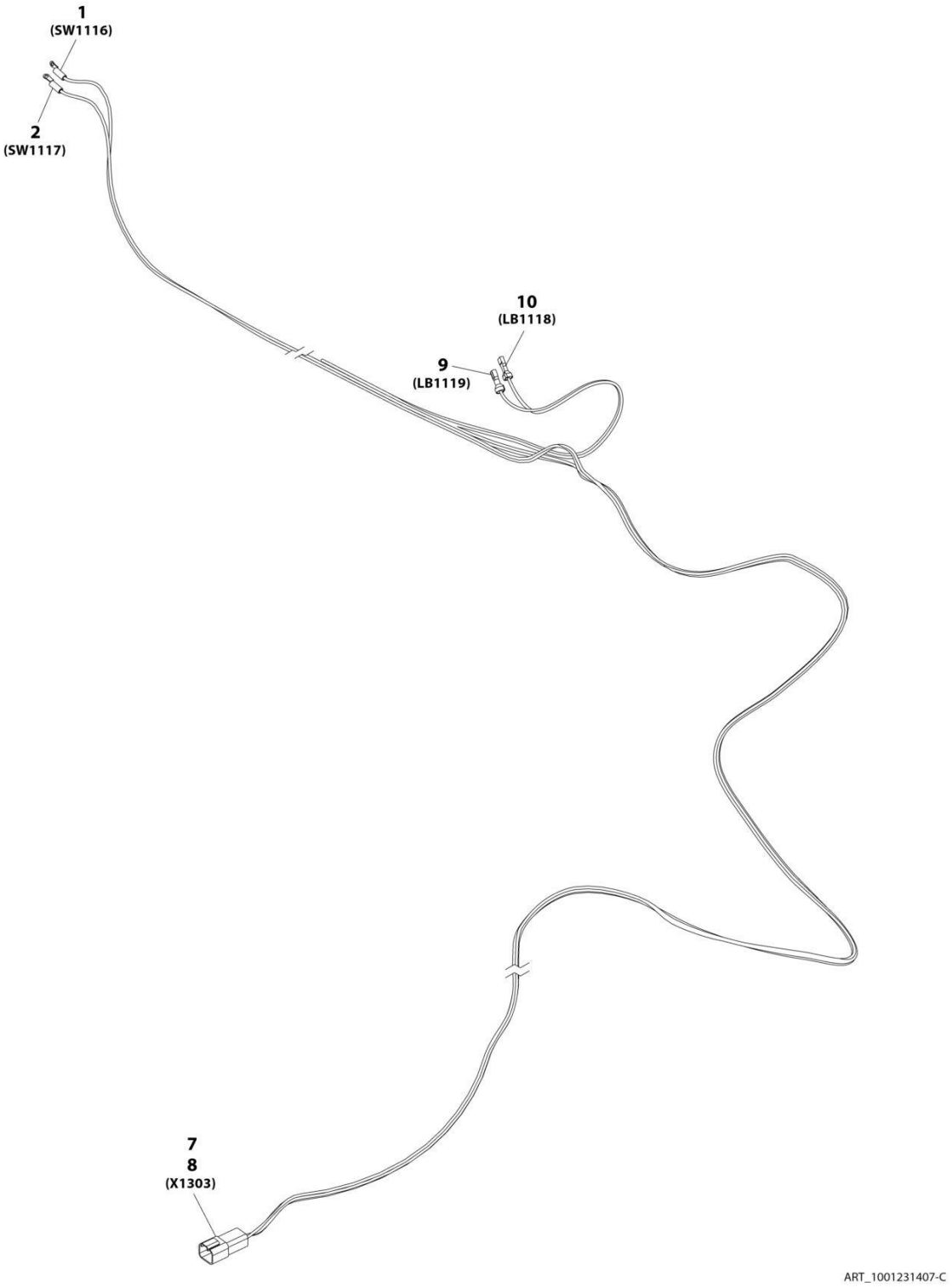


FIGURE 10-4. AIR SHUT OFF VALVE HARNESS - CAB

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 10-5. AIR SHUT OFF VALVE HARNESS - ENGINE

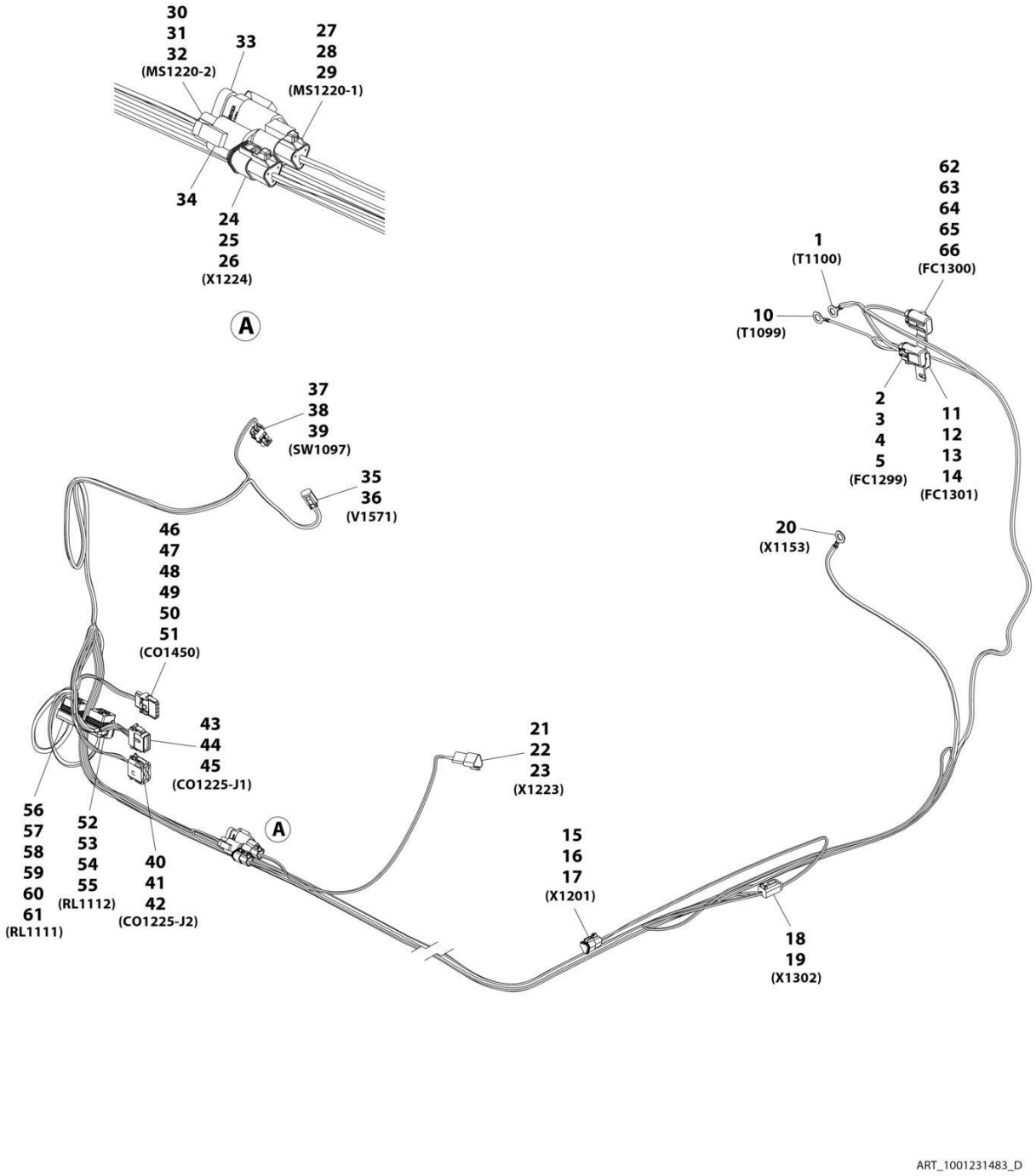


FIGURE 10-5. AIR SHUT OFF VALVE HARNESS - ENGINE

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 10-6. ALARM INSTALLATION - BACK UP (97DB)

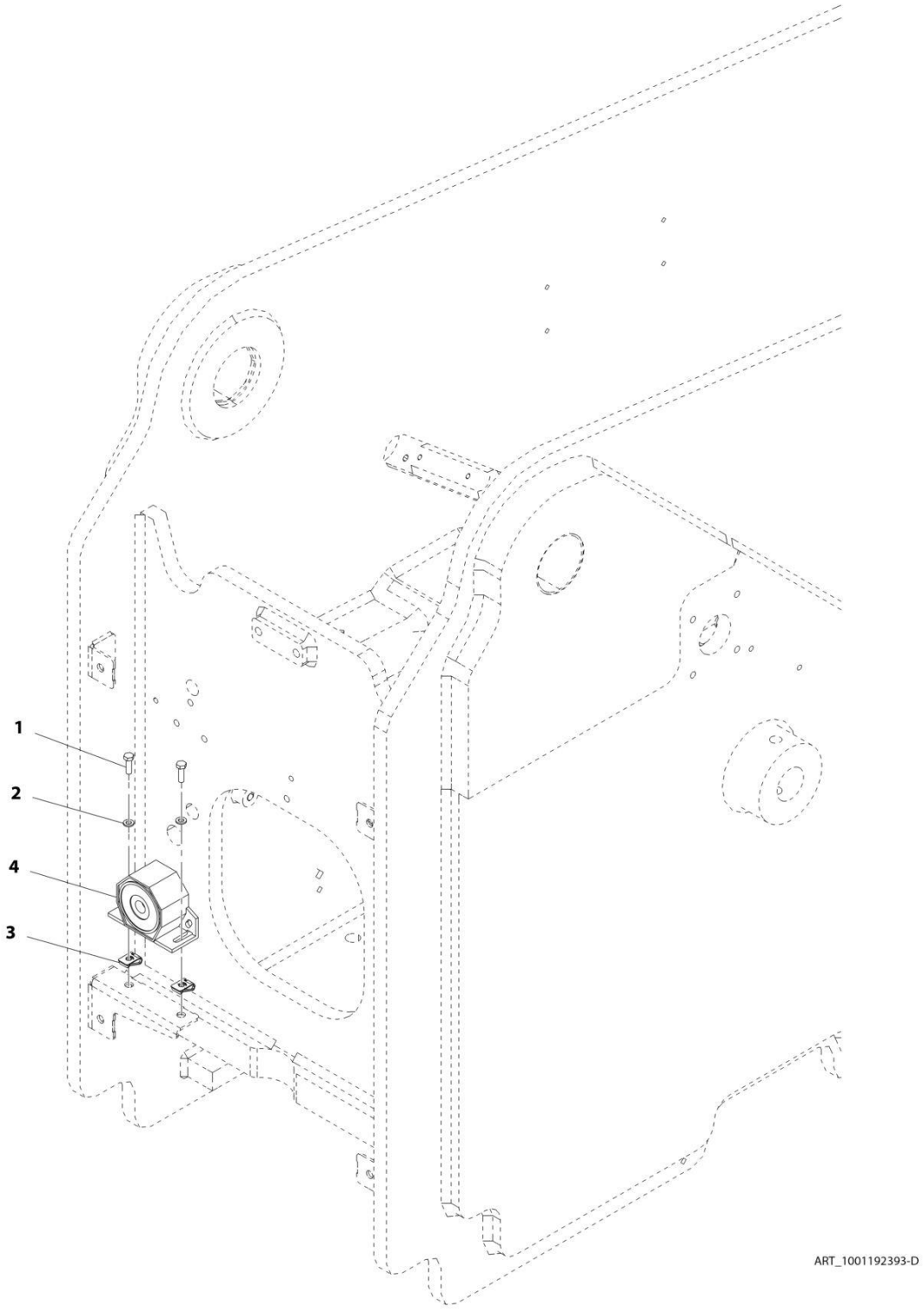


FIGURE 10-6. ALARM INSTALLATION - BACK UP (97DB)

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 10-7. ALARM INSTALLATION - BACK UP (120DB)

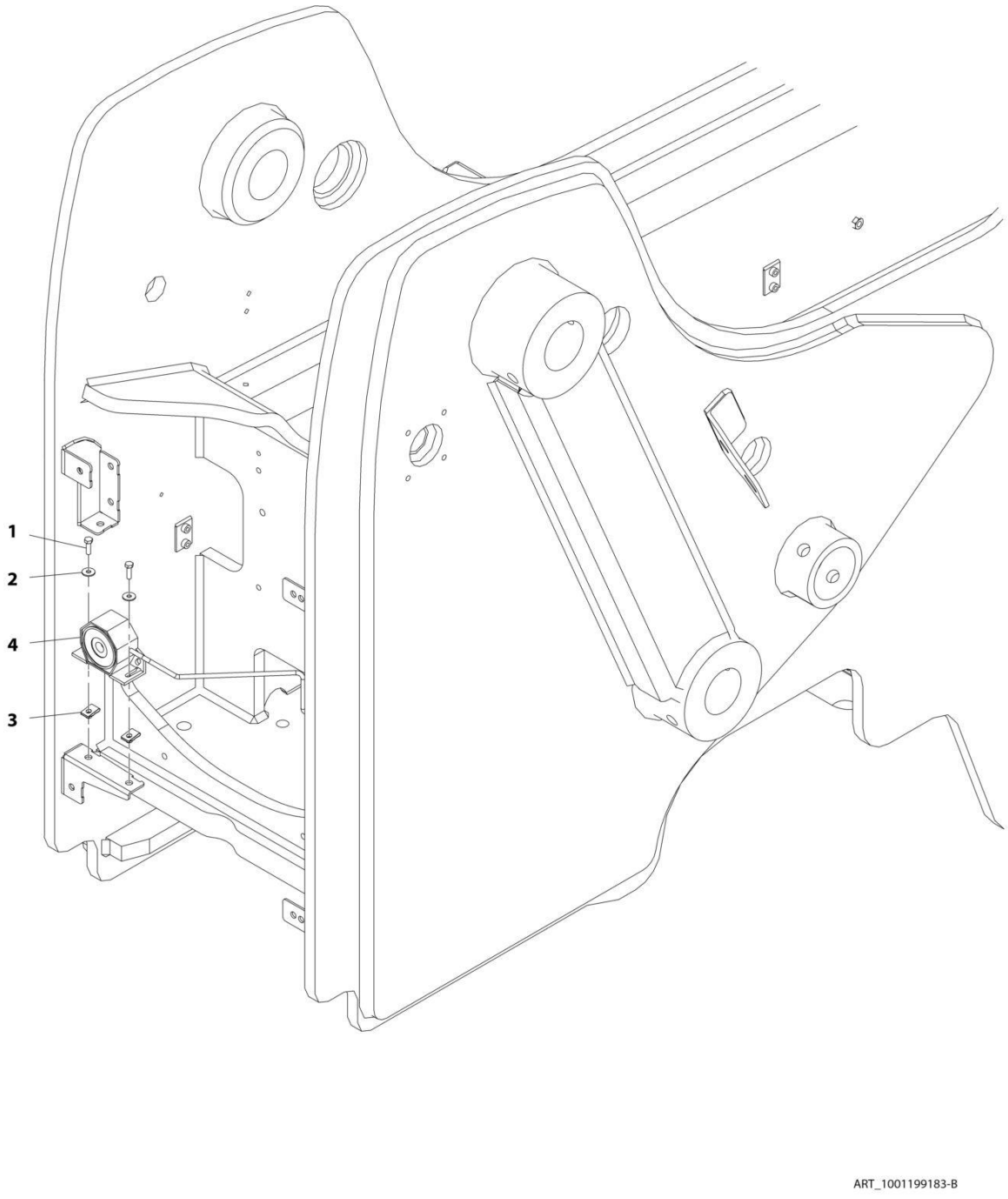


FIGURE 10-7. ALARM INSTALLATION - BACK UP (120DB)

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 10-8. ALARM INSTALLATION - BACK UP (WHITE NOISE)

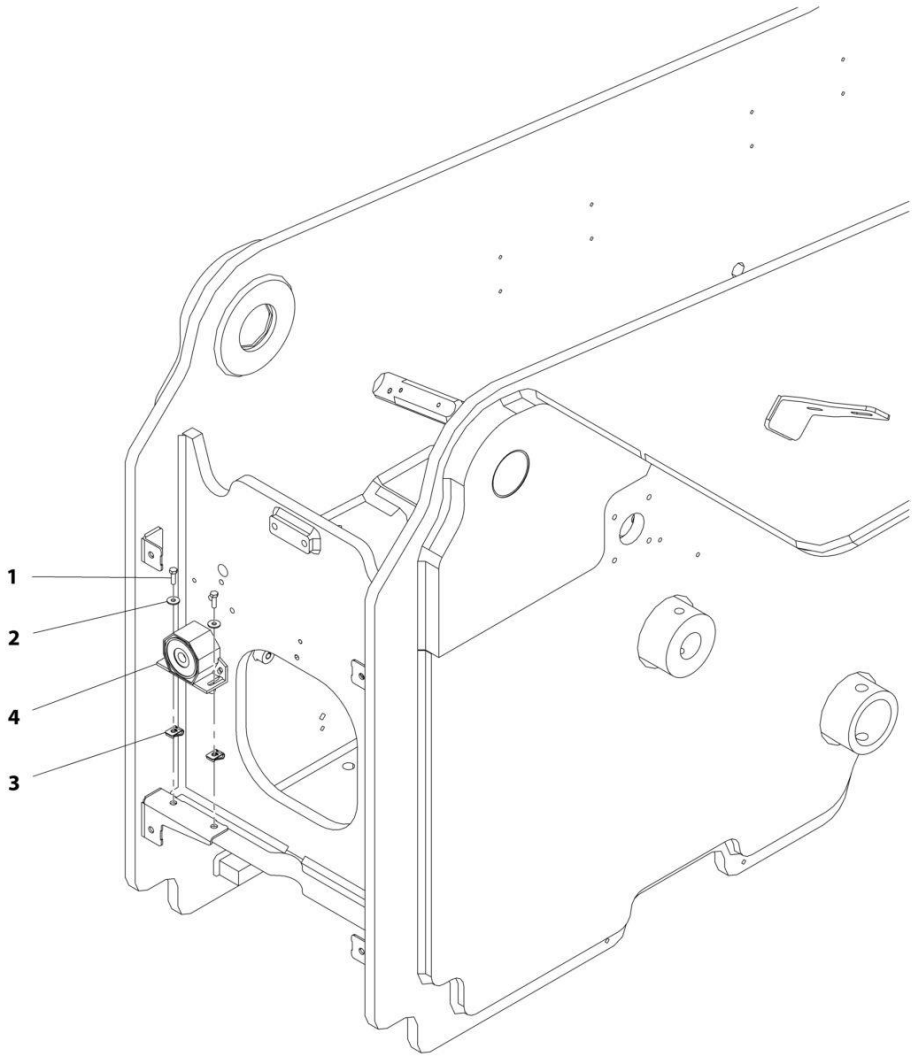


FIGURE 10-8. ALARM INSTALLATION - BACK UP (WHITE NOISE)

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 10-9. ARCTIC COLD WEATHER PACKAGE INSTALLATION (ULS)

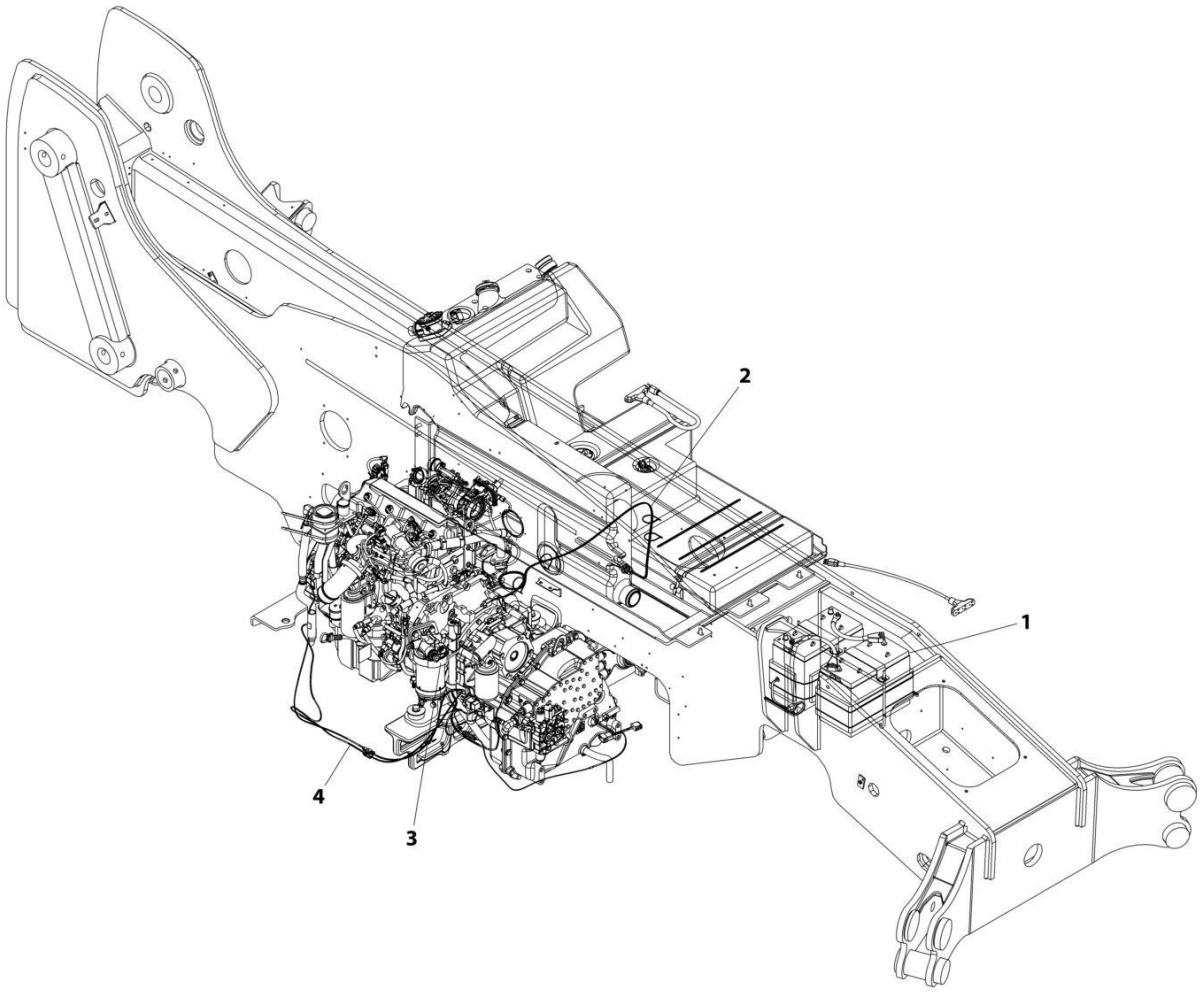


FIGURE 10-9. ARCTIC COLD WEATHER PACKAGE INSTALLATION (ULS)

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 10-10. ARCTIC COLD WEATHER PACKAGE INSTALLATION (LS)

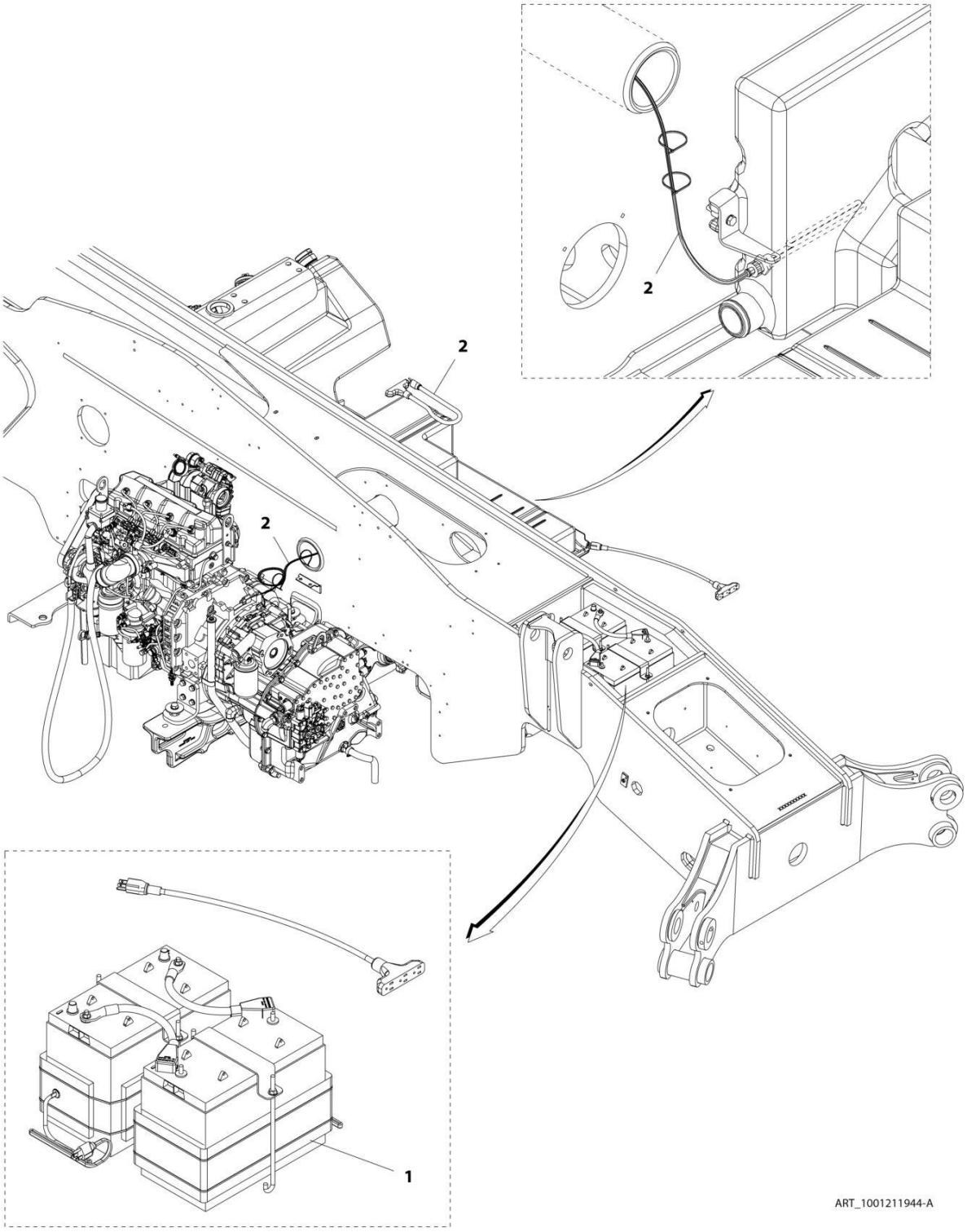


FIGURE 10-10. ARCTIC COLD WEATHER PACKAGE INSTALLATION (LS)

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 10-11. BATTERY INSTALLATION

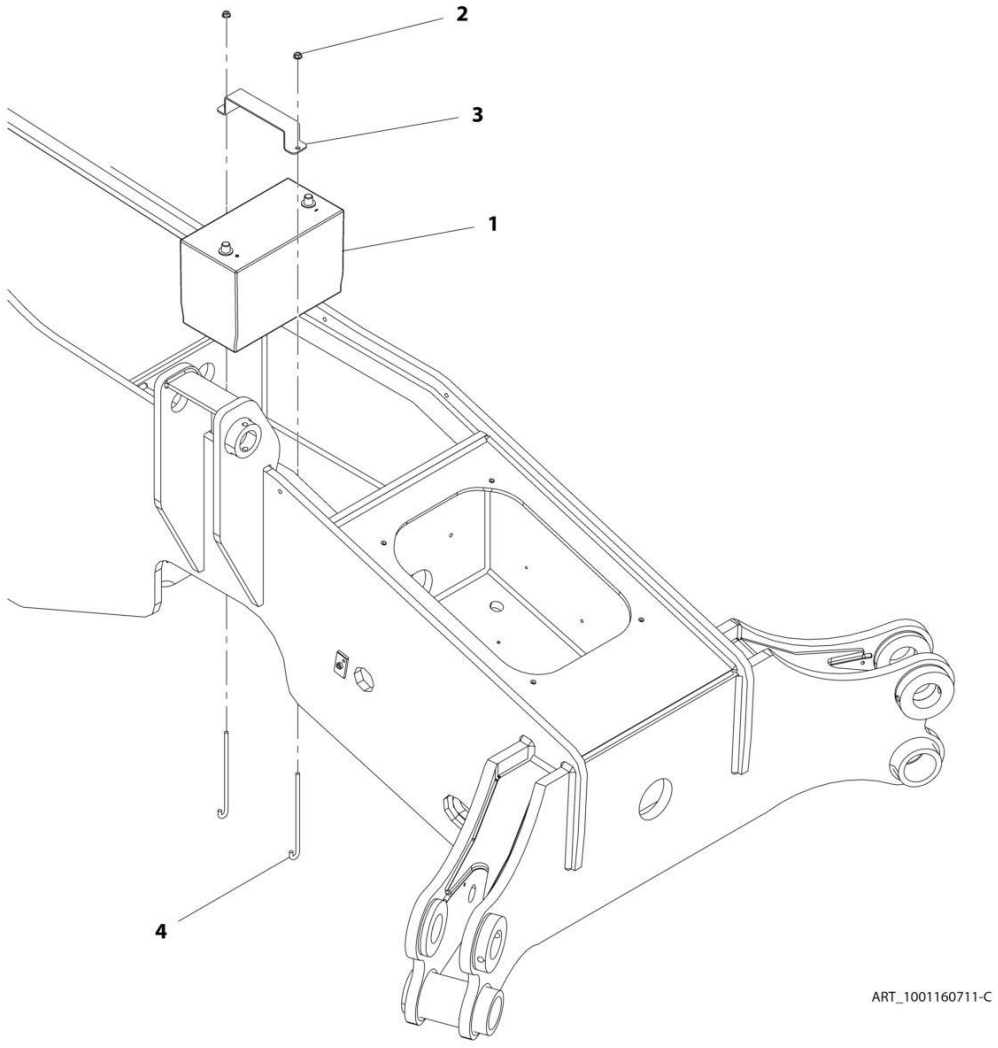


FIGURE 10-11. BATTERY INSTALLATION

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 10-12. BATTERY INSTALLATION - ARCTIC PACKAGE

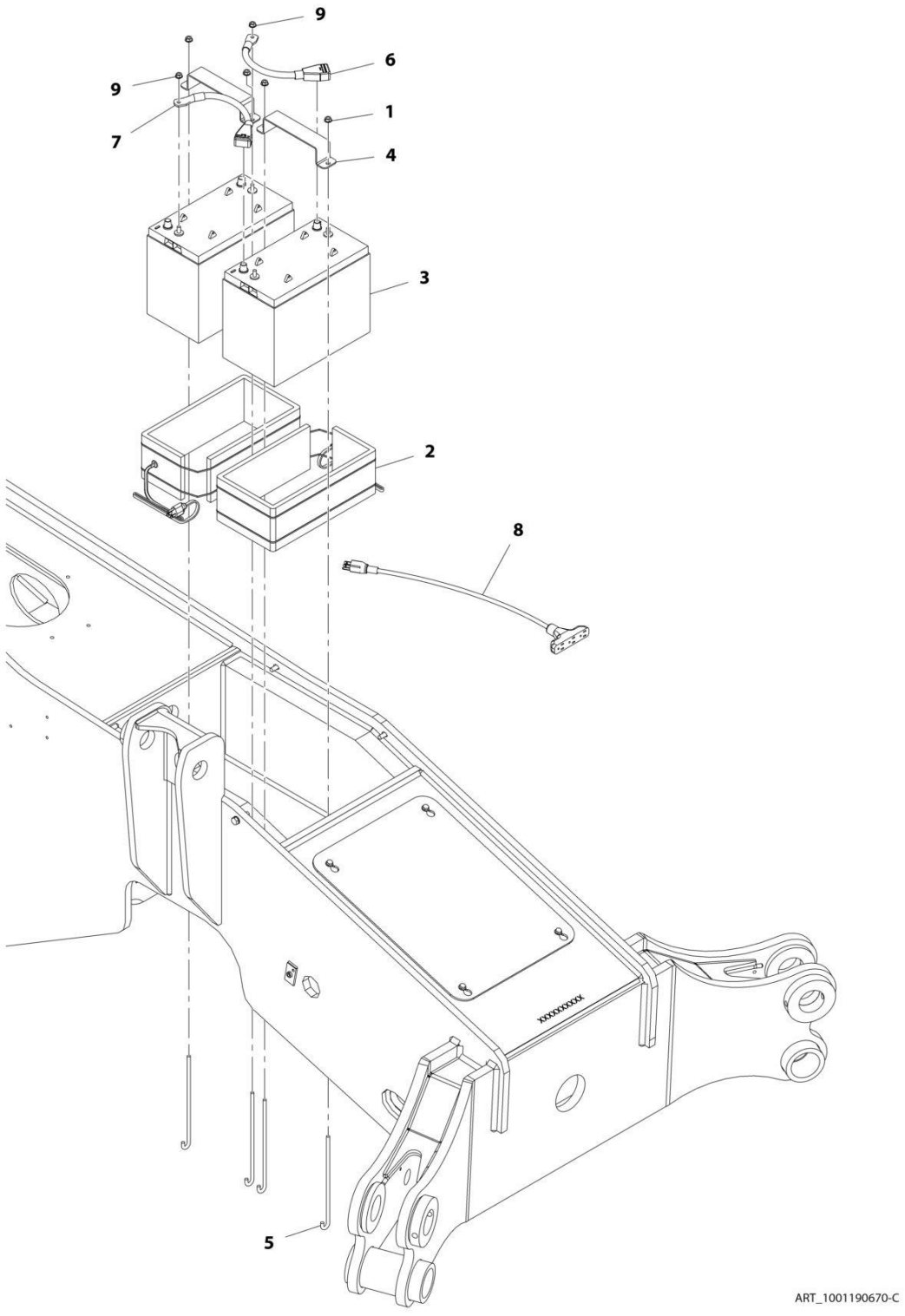


FIGURE 10-12. BATTERY INSTALLATION - ARCTIC PACKAGE

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 10-13. BOOM ANGLE SENSOR INSTALLATION (STANDARD)

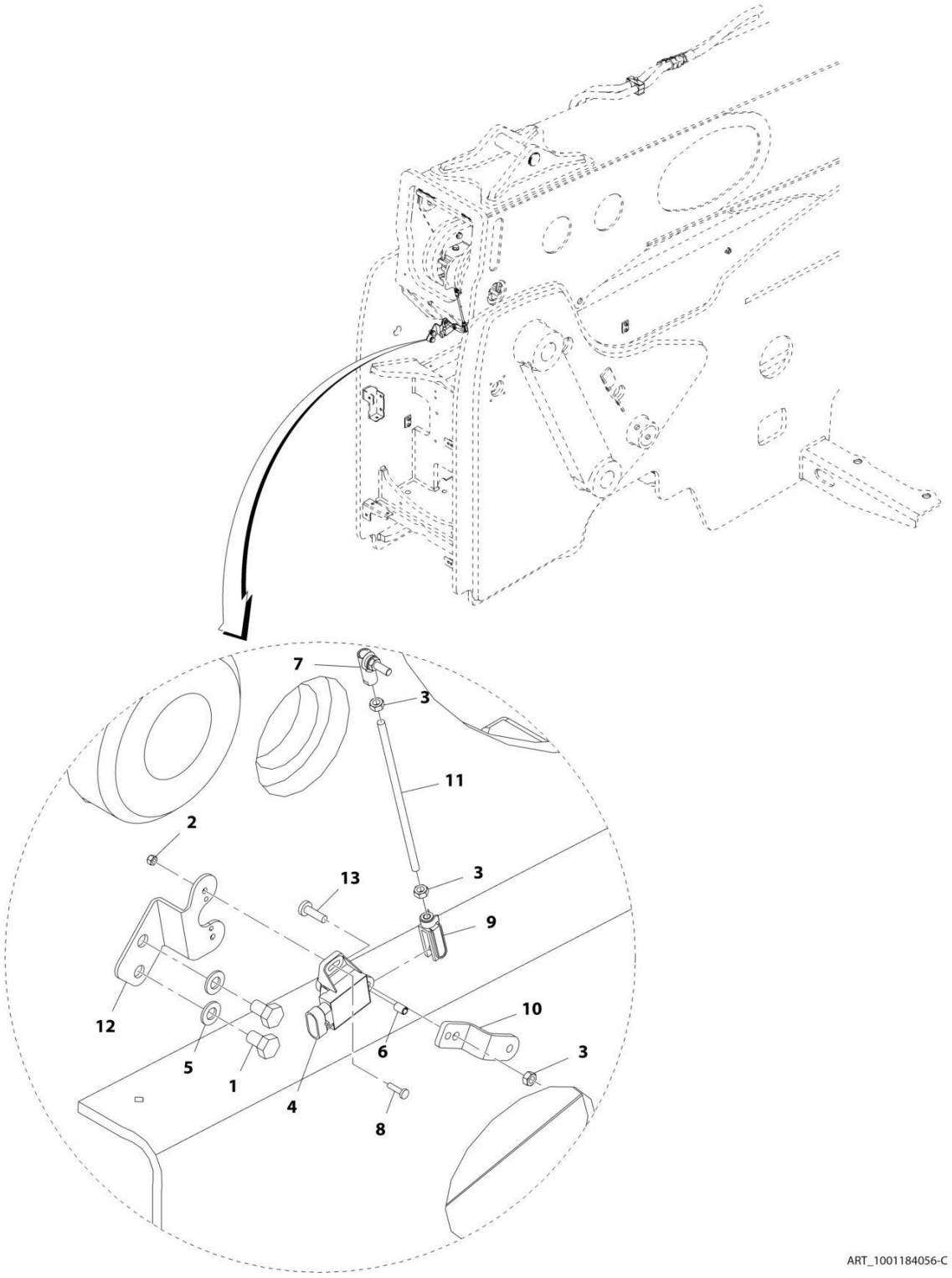


FIGURE 10-13. BOOM ANGLE SENSOR INSTALLATION (STANDARD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184056	Ref	Boom Angle Sensor Installation	C
1	0761008	2	Bolt, M10X16	
2	3290405	2	Nut, Lock M4X0.7	
3	3290601	3	Nut, M6X1	
4	4000015	1	Sensor, Angle	
5	4812000	2	Washer, M10	
6	1001103156	1	Pin	
7	1001184484	1	Joint, Ball	
8	1001126837	2	Screw, M4X16	
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, M6X20	

FIGURE 10-14. BOOM ANGLE SENSOR INSTALLATION (LSI)

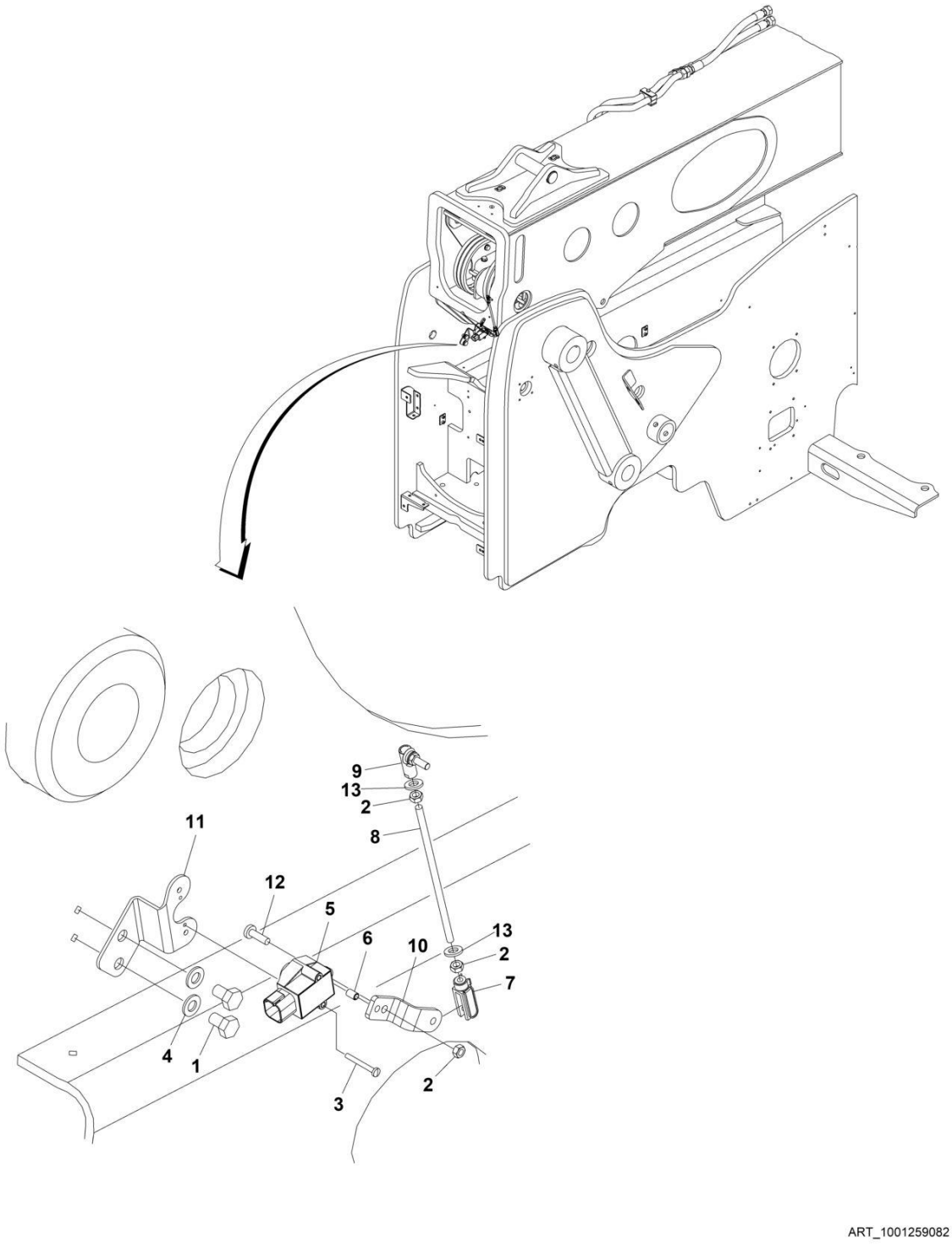


FIGURE 10-14. BOOM ANGLE SENSOR INSTALLATION (LSI)

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 10-15. BOOM ELECTRICAL HARNESS INSTALLATION

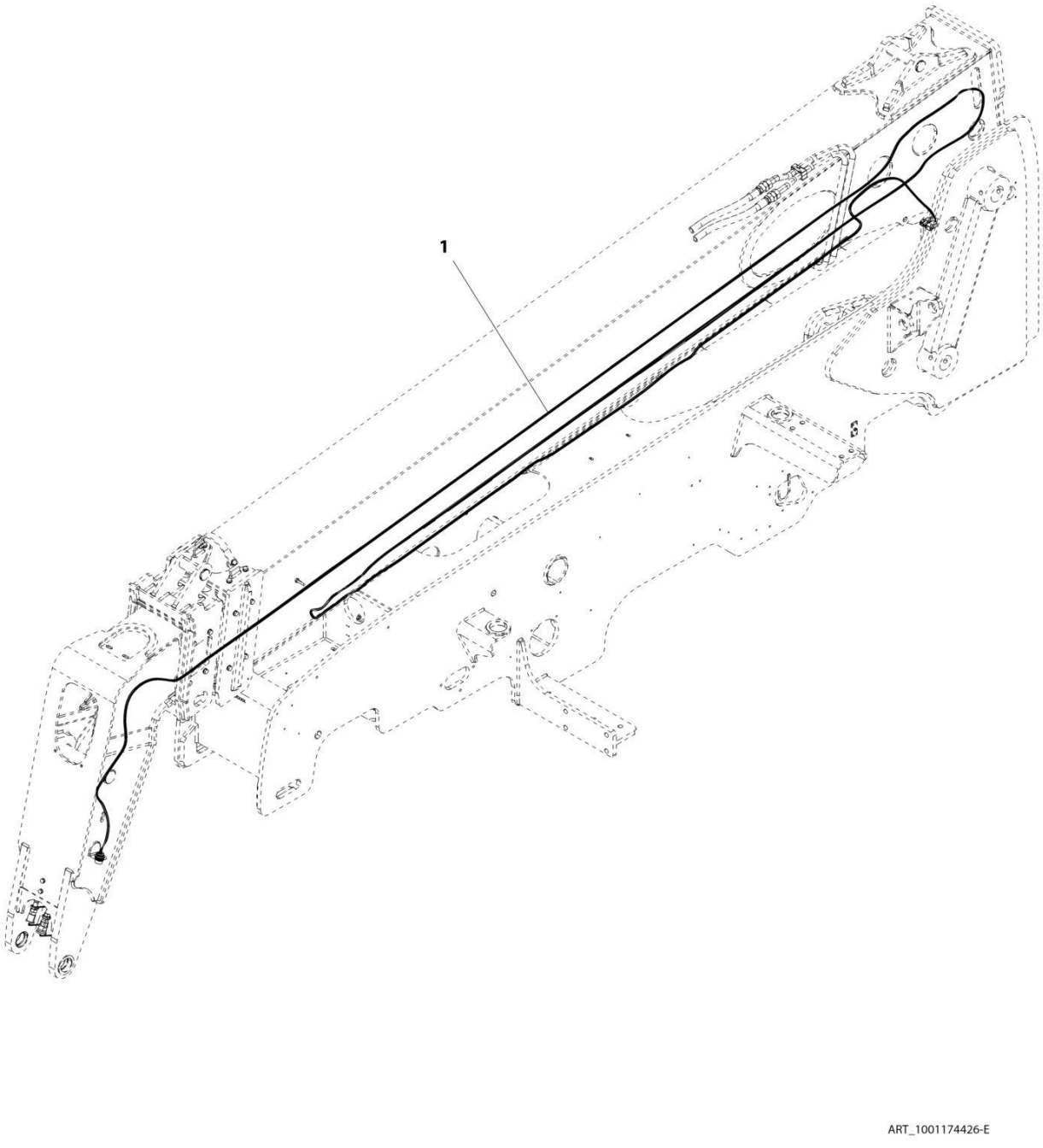


FIGURE 10-15. BOOM ELECTRICAL HARNESS INSTALLATION

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 10-16. BOOM ELECTRIC HARNESS

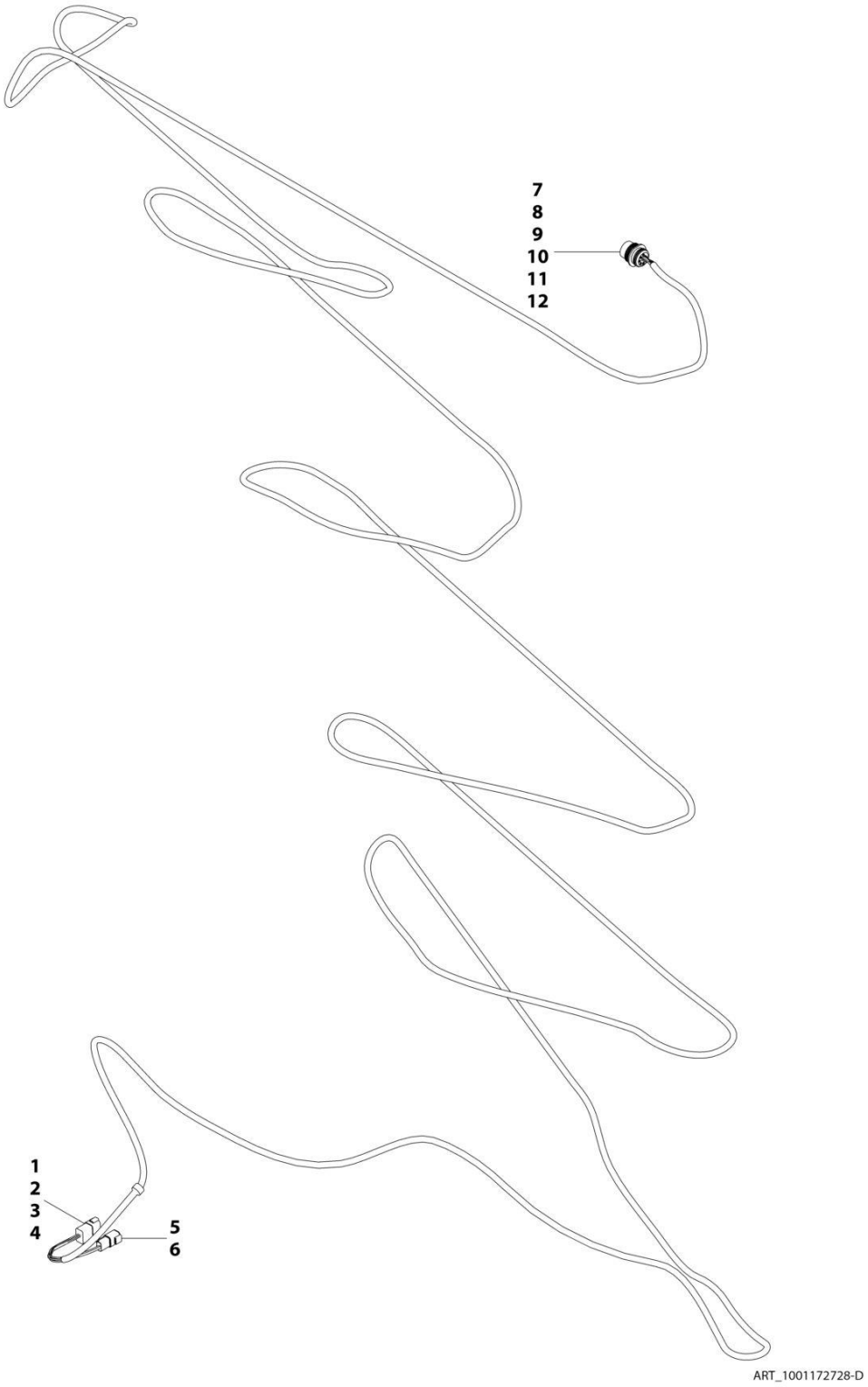


FIGURE 10-16. BOOM ELECTRIC HARNESS

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 10-17. BOOM AUXILIARY ELECTRIC INSTALLATION

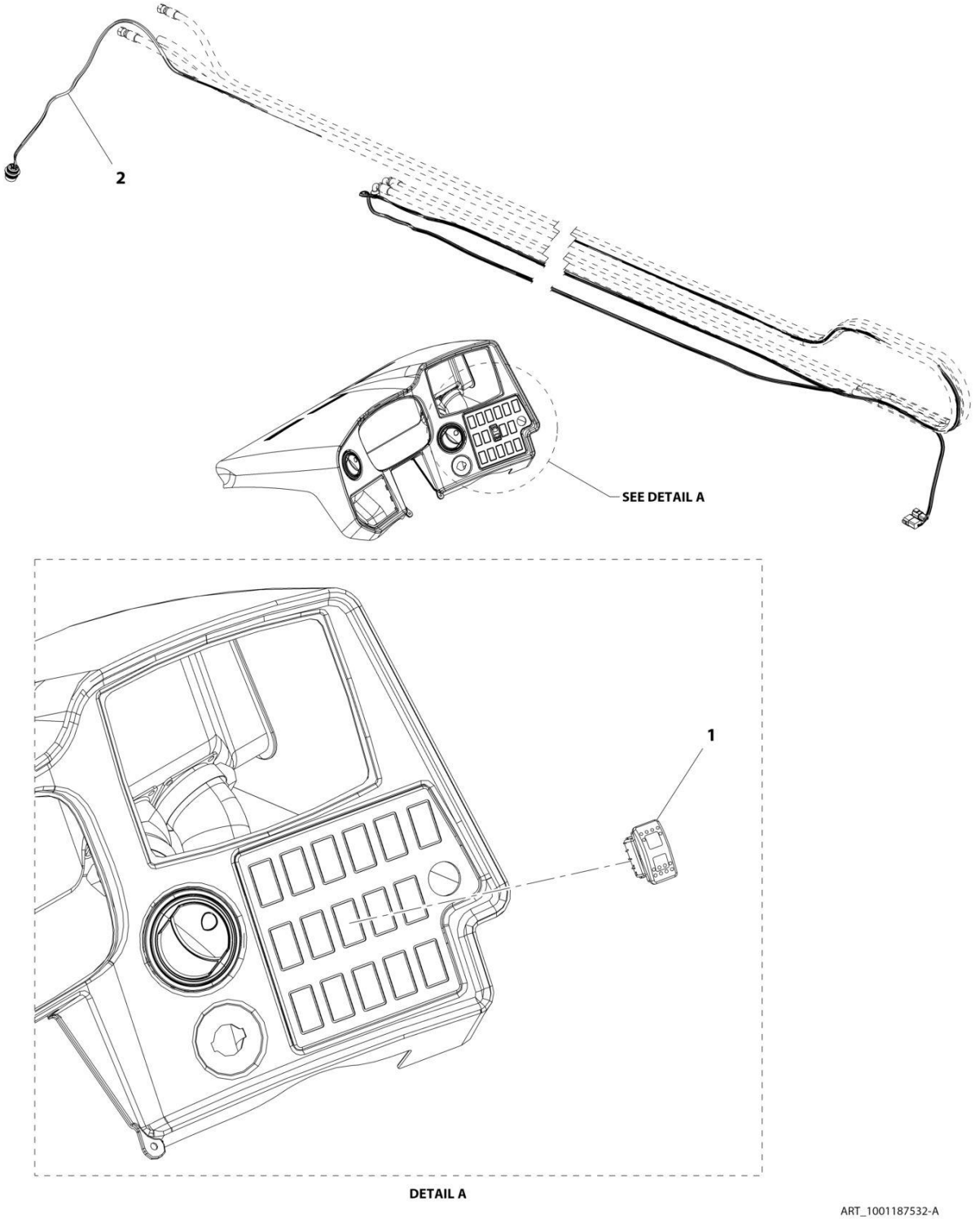


FIGURE 10-17. BOOM AUXILIARY ELECTRIC INSTALLATION

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 10-18. BOOM AUXILIARY ELECTRIC HARNESS INSTALLATION

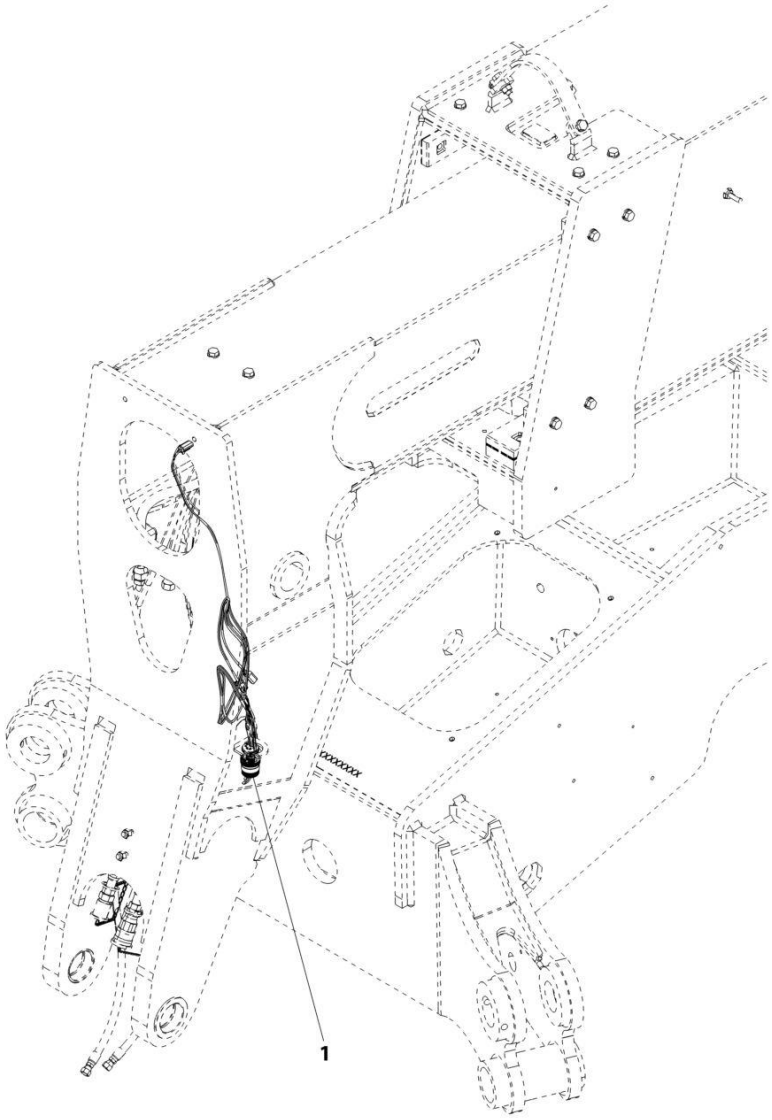


FIGURE 10-18. BOOM AUXILIARY ELECTRIC HARNESS INSTALLATION

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 10-19. CAB DASH ELECTRICAL (ULS)

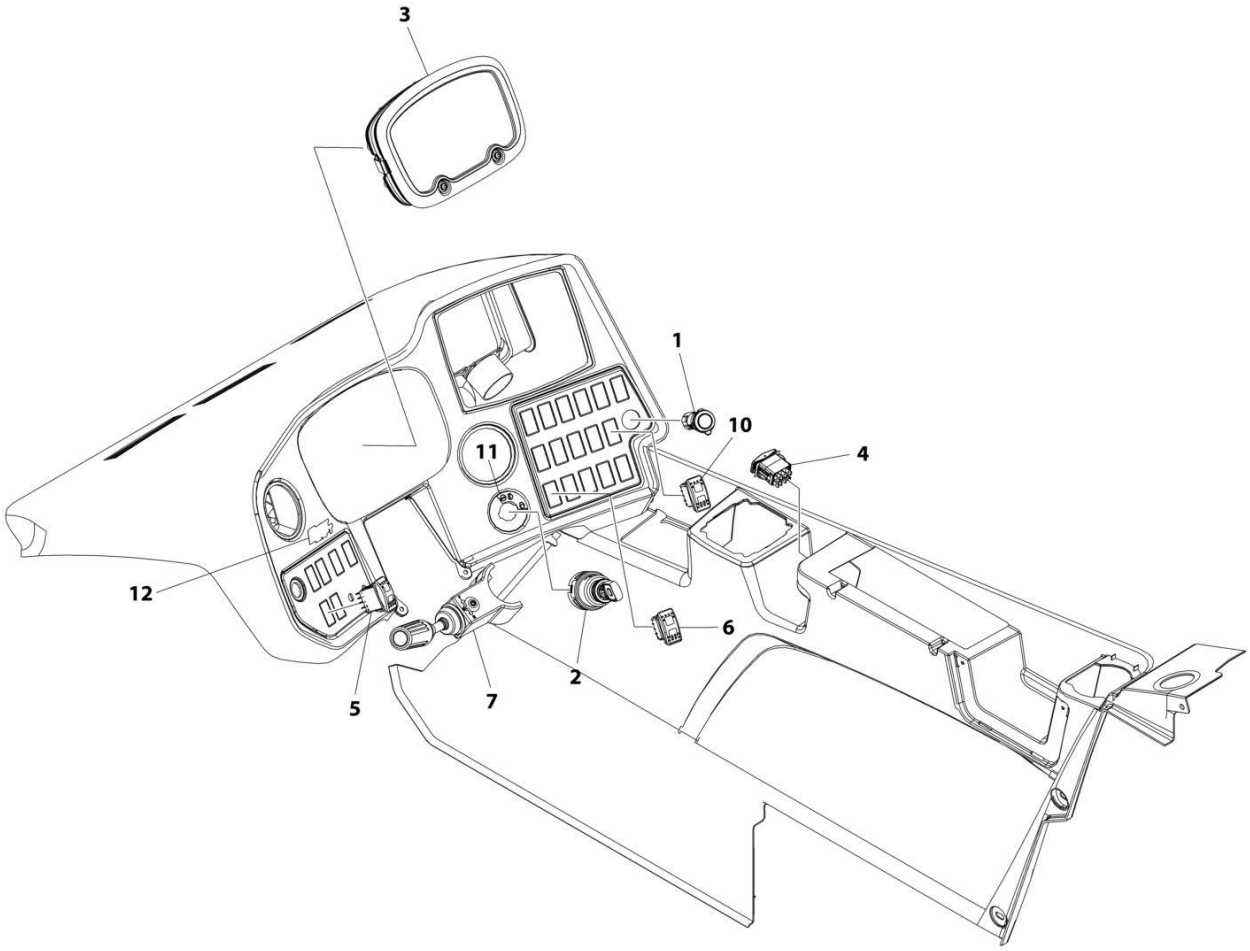


FIGURE 10-19. CAB DASH ELECTRICAL (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173849	Ref	Dash Electrical Installation (if equipped for ULS)	I
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	1001239793	1	Switch, FNR 4 Speed	
10	1001104654	1	Switch, AUX	
11	1001181531	1	Decal, Ignition Switch	
12	1001262072	1	Decal, Smart Shift Logo	

FIGURE 10-20. CAB DASH ELECTRICAL (LS)

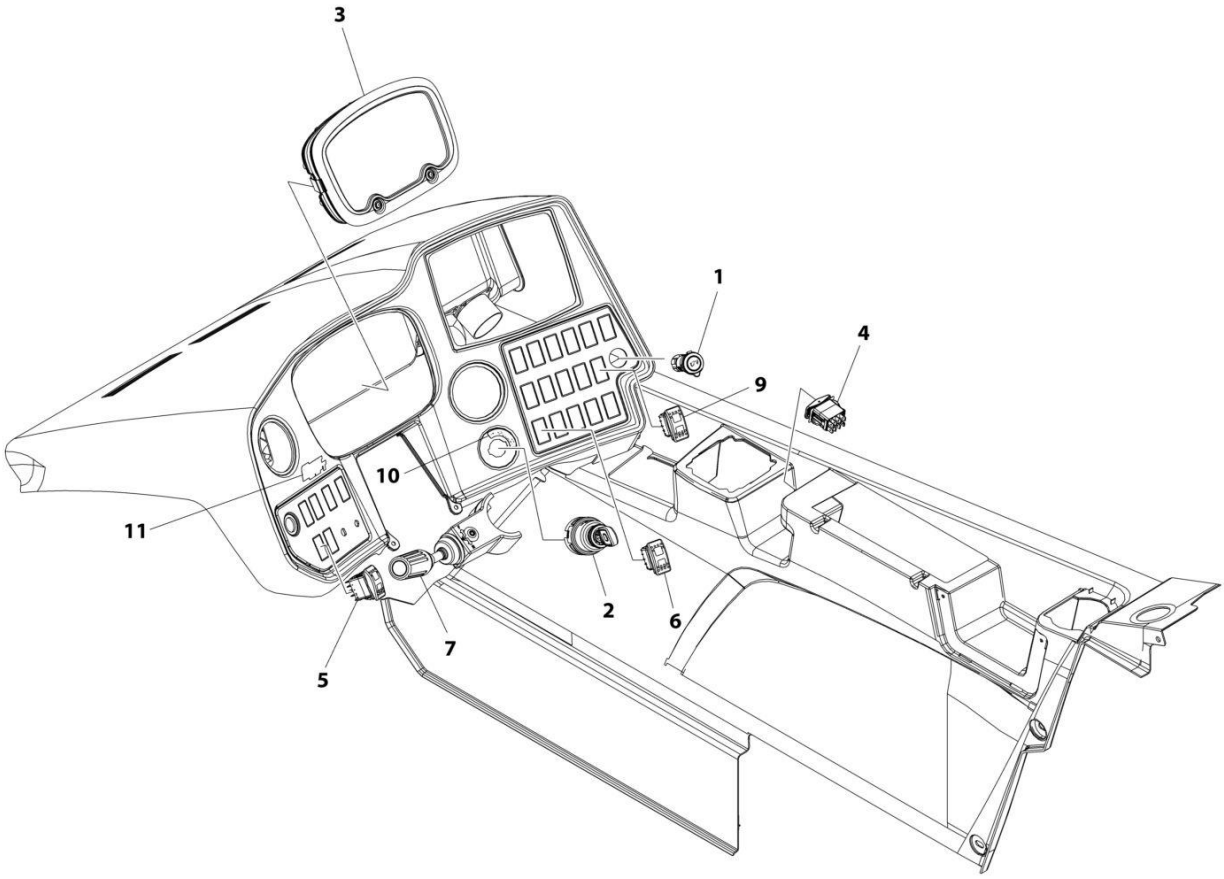


FIGURE 10-20. CAB DASH ELECTRICAL (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203225	Ref	Dash Electrical Installation (LS)	E
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	1001239793	1	Switch, FNR 4 Speed	
9	1001104654	1	Switch, AUX	
10	1001181531	1	Decal, Ignition Switch	
11	1001262072	1	Decal, Smart Shift Logo	

FIGURE 10-21. CAB ELECTRICAL INSTALLATION

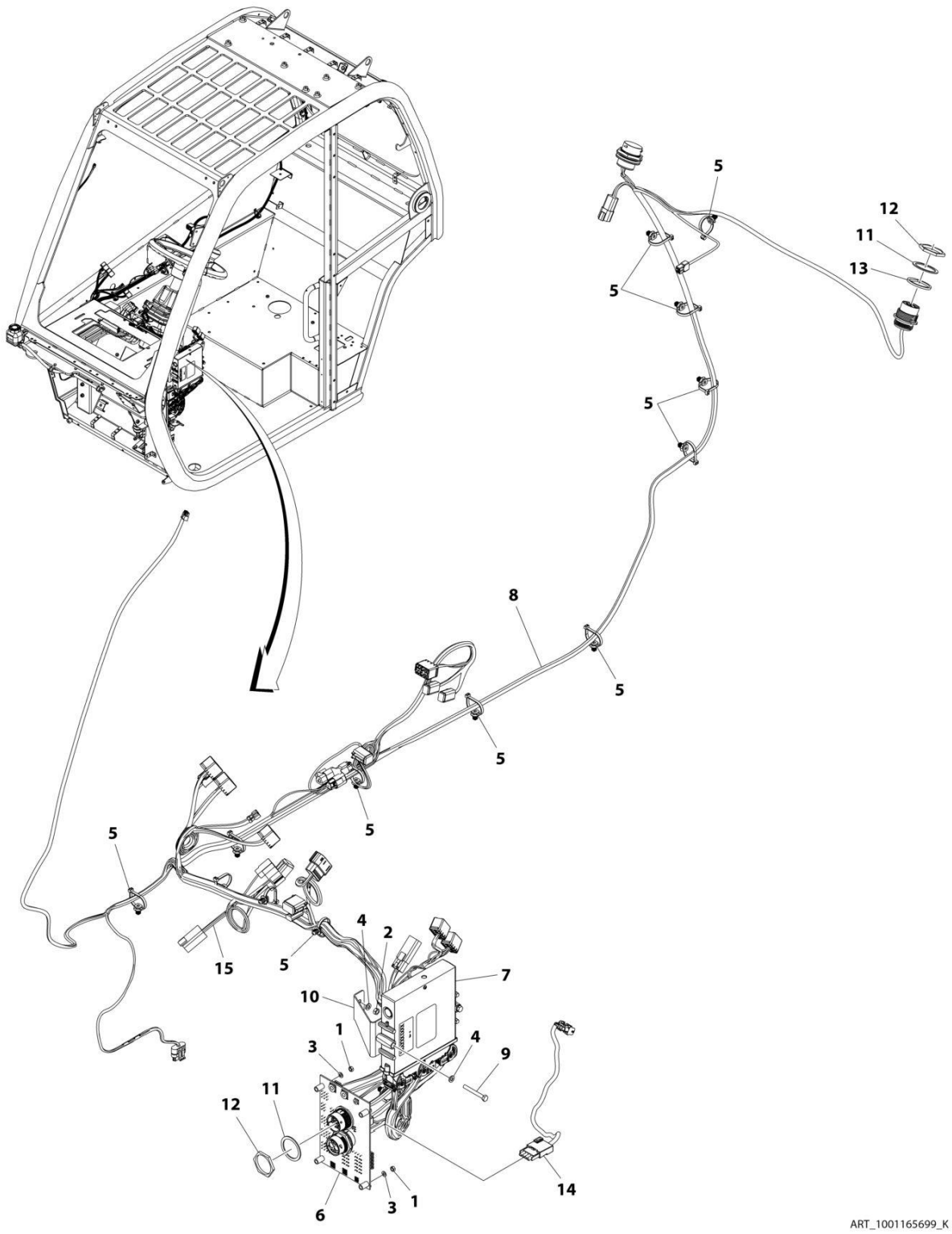


FIGURE 10-21. CAB ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165699	Ref	Cab Electrical Installation	K
1	3290501	3	Nut, M5X0.8	
2	3290601	2	Nut, M6X1	
3	120034	3	Washer, Plastic	
4	4811700	4	Washer, M6	
5	1001146588	16	Strap, Tie	
6	1001161769	1	Assembly, Standard Electrical Board (See Separate Breakdown in this Section)	
7	1001162249	1	Module	
8	1001264994	1	Harness, Cab (See Separate Breakdown in this Section)	
9	0700618	2	Bolt, M6X50	
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 10-22. CAB ELECTRICAL BOARD ASSEMBLY

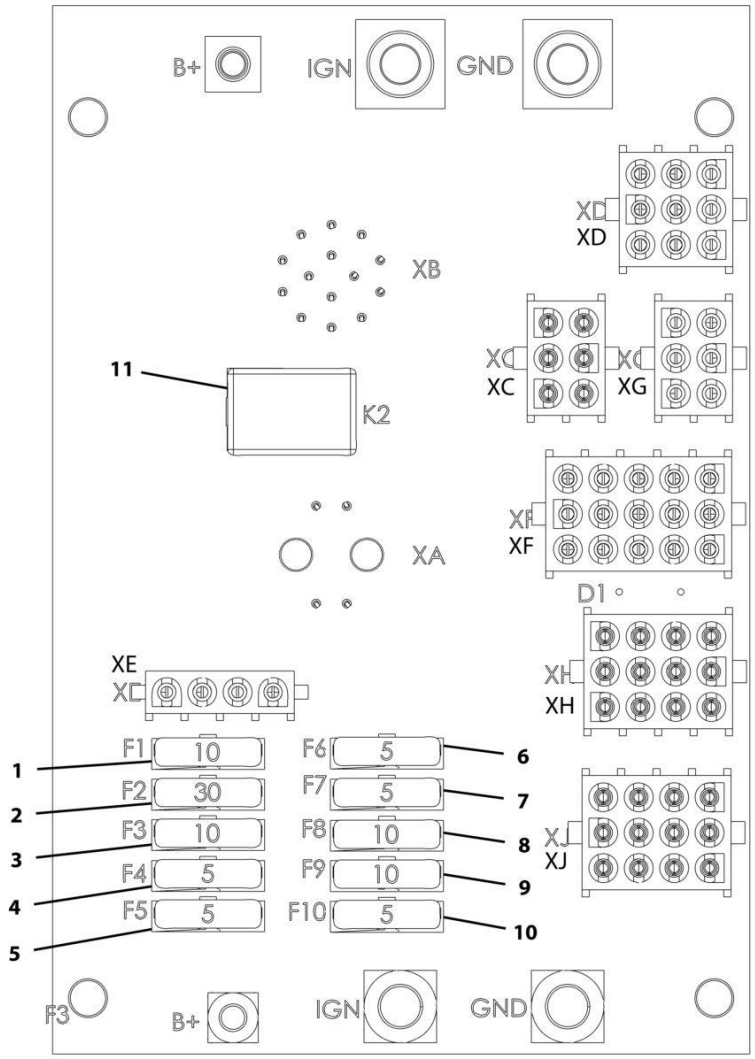


FIGURE 10-22. CAB ELECTRICAL BOARD ASSEMBLY

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 10-23. CAB ELECTRICAL COMMUNICATION CABLE

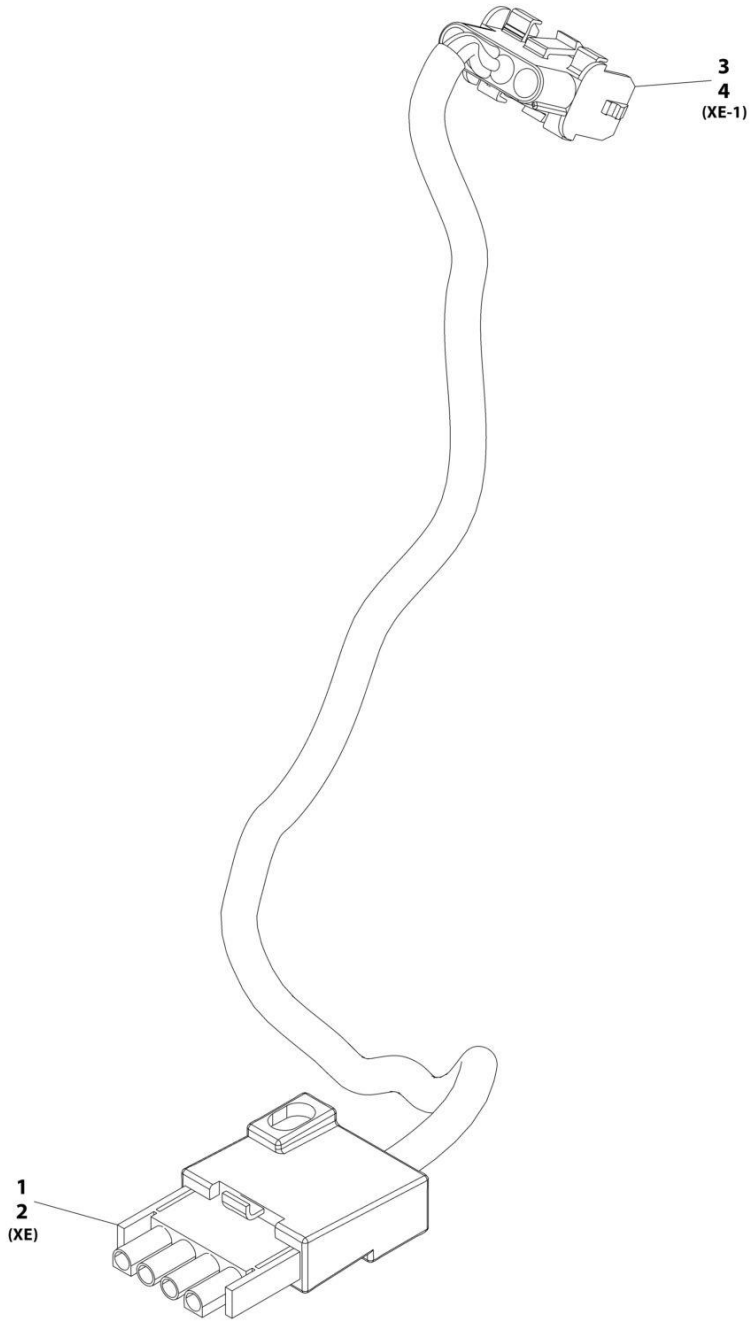


FIGURE 10-23. CAB ELECTRICAL COMMUNICATION CABLE

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 10-24. CAB HARNESS

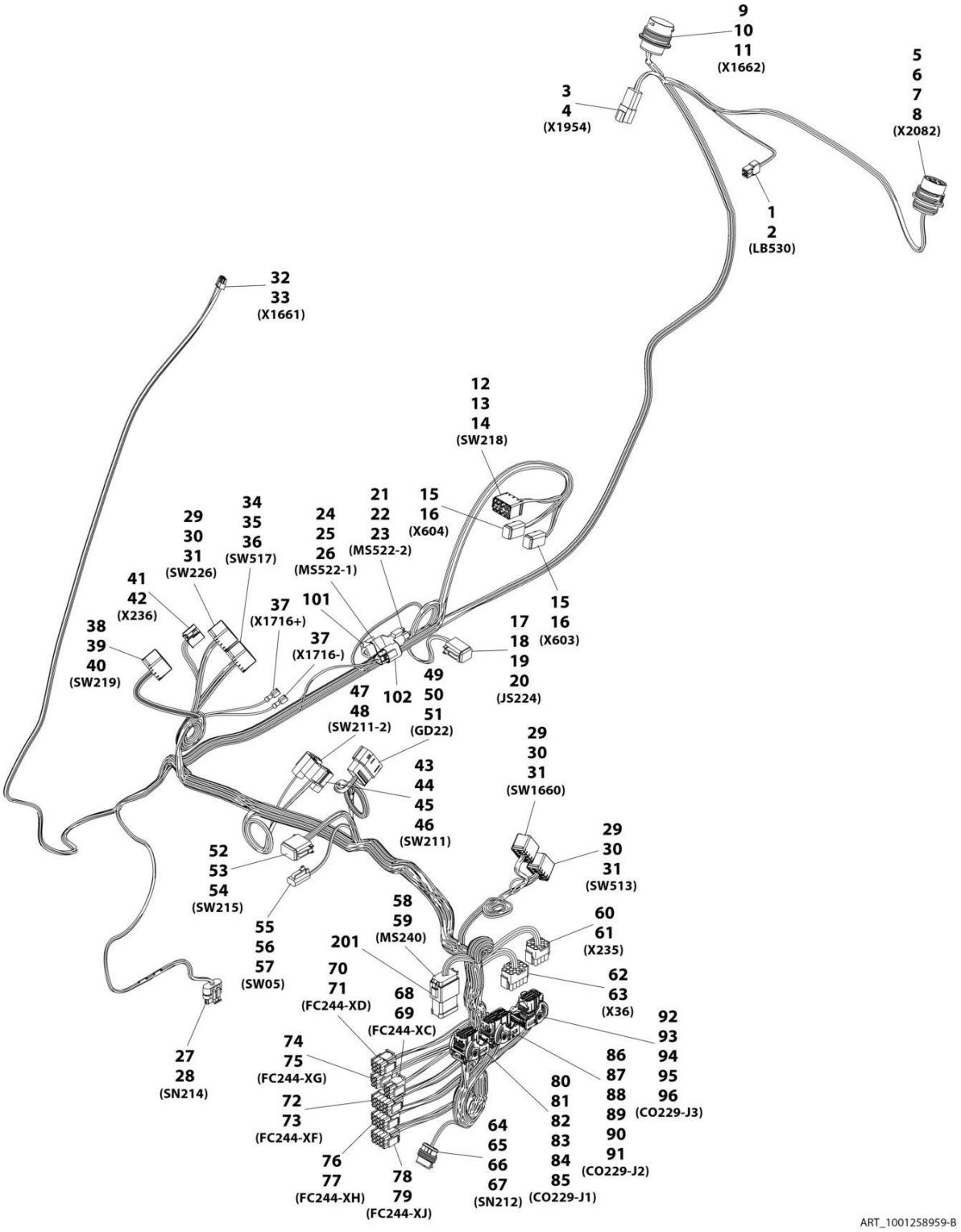


FIGURE 10-24. CAB HARNESS

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 10-25. CAB ELECTRICAL INSTALLATION - ENCLOSED

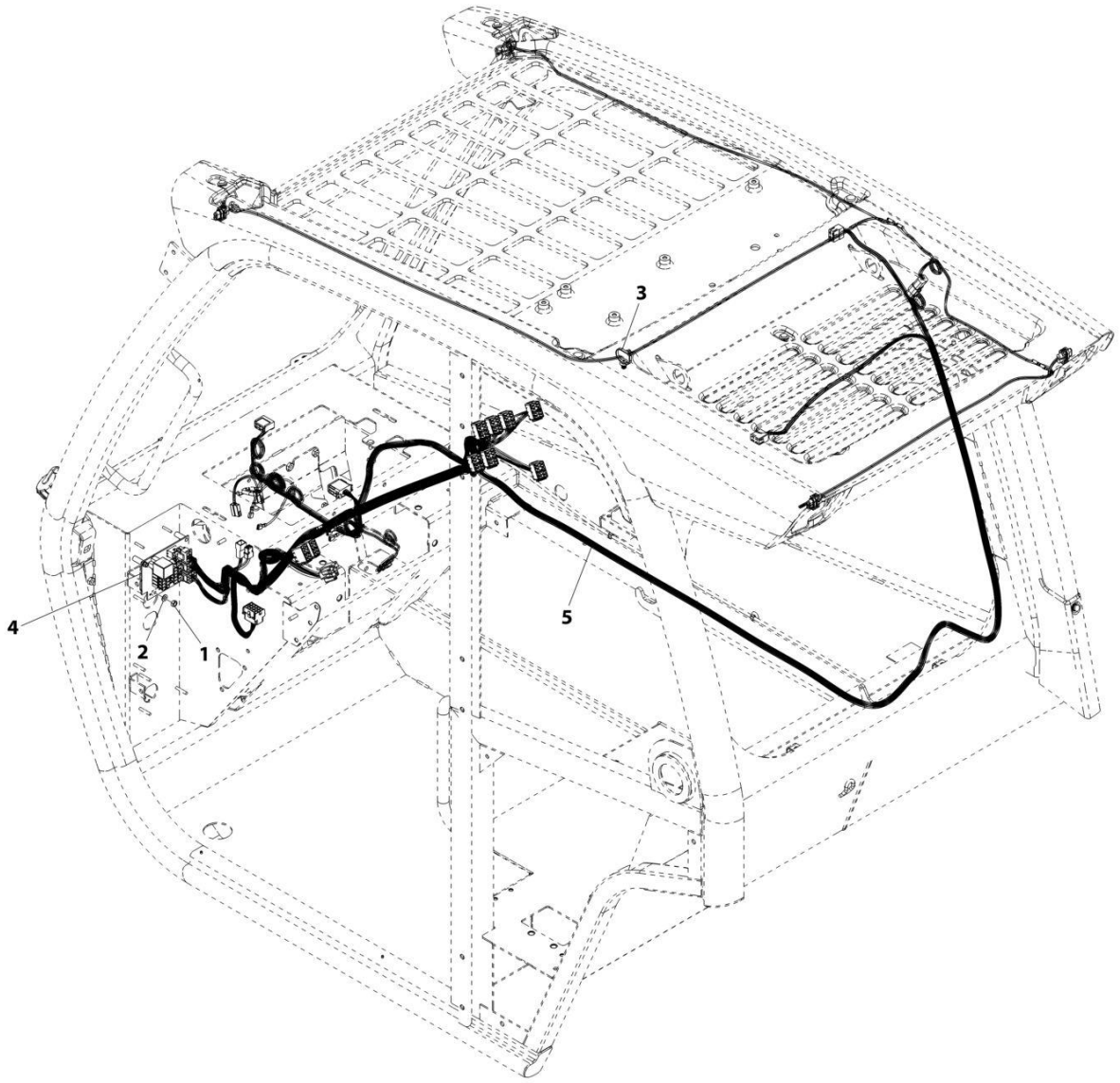


FIGURE 10-25. CAB ELECTRICAL INSTALLATION - ENCLOSED

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 10-26. CAB ELECTRICAL INSTALLATION - OPEN

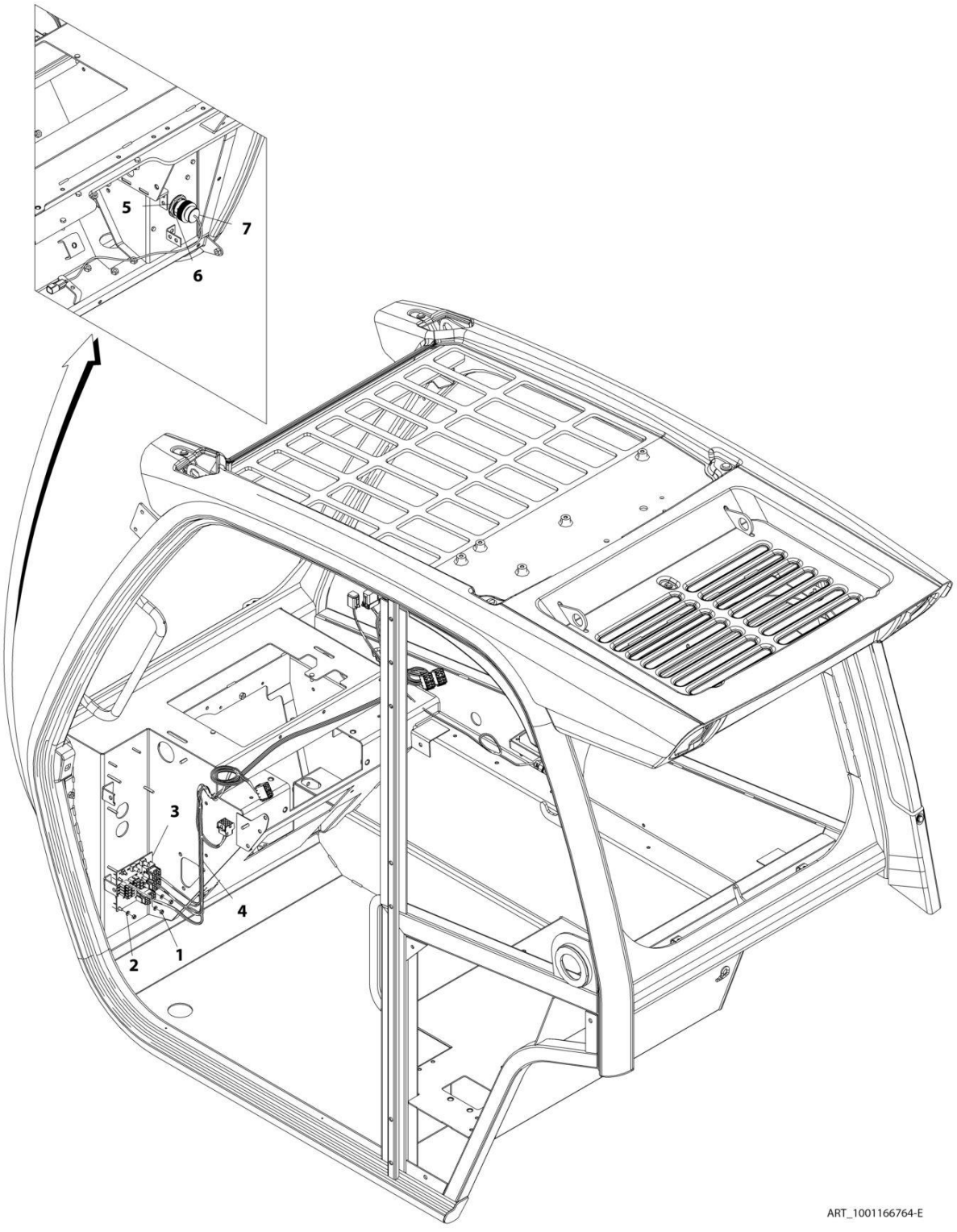


FIGURE 10-26. CAB ELECTRICAL INSTALLATION - OPEN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166764	Ref	Open Cab Electrical Installation with Options	E
1	3290501	3	Nut, M5X0.8	
2	120034	3	Washer, Plastic	
3	1001161771	1	Assembly, Option 2 Electrical Board (See Separate Breakdown in this Section)	
4	1001163372	1	Harness, Option 2 Cab (See Separate Breakdown in this Section)	
5	4460496	1	Washer, Terminal Lock	
6	4460497	1	Nut, Terminal	
7	1001181573	1	Harness, Cab Option (See Separate Breakdown in this Section)	

FIGURE 10-27. CAB OPTION 1 ELECTRICAL BOARD

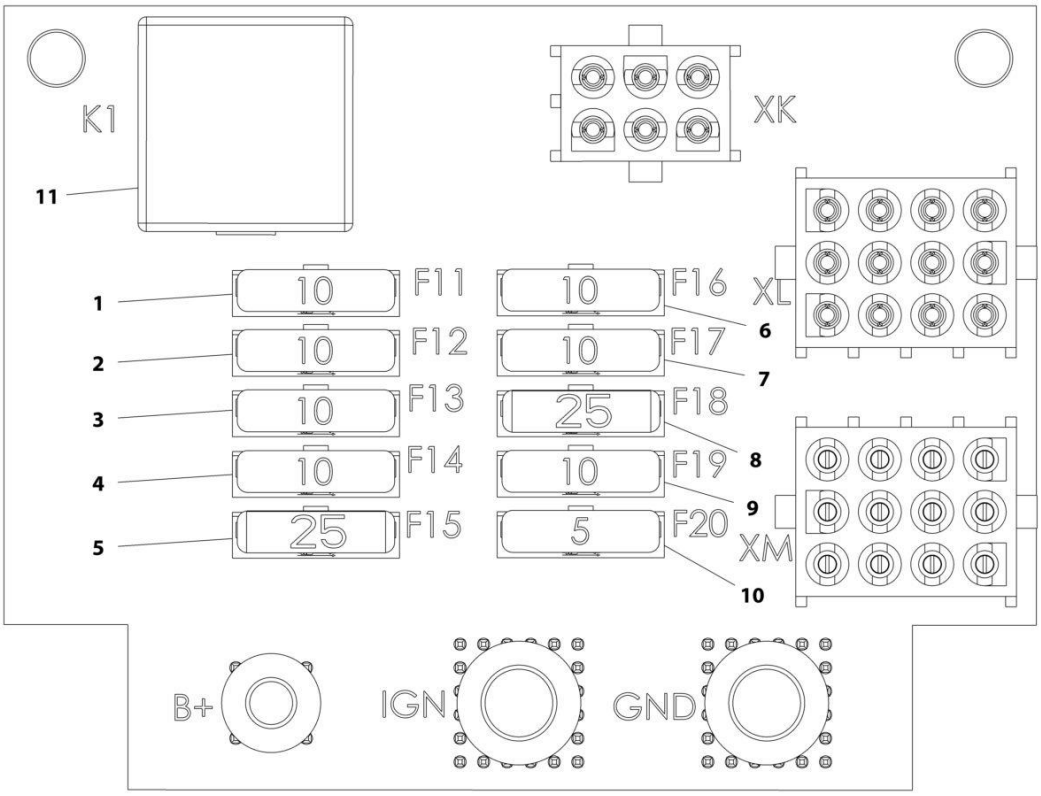
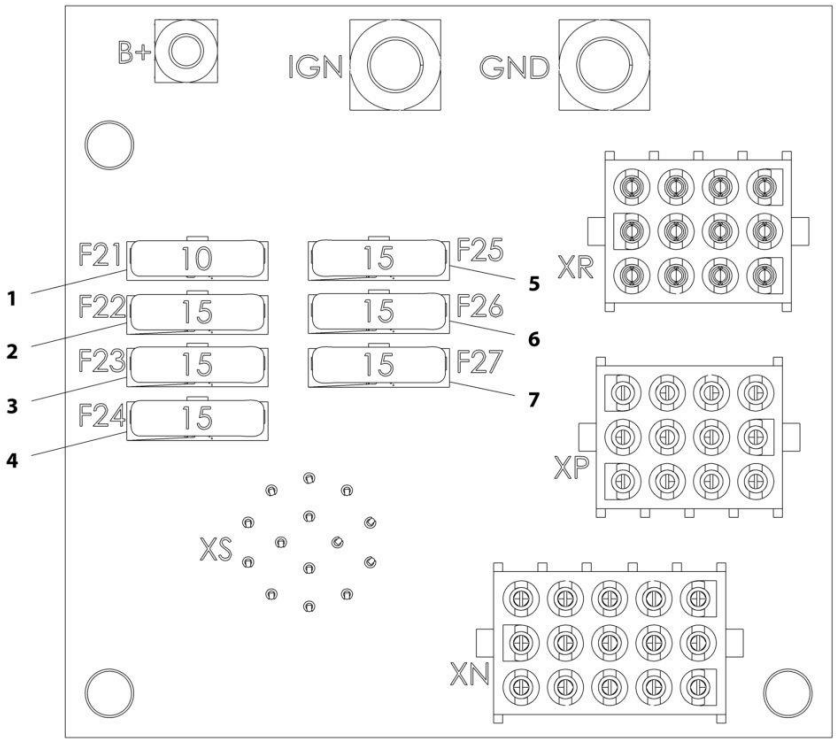


FIGURE 10-27. CAB OPTION 1 ELECTRICAL BOARD

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 10-28. CAB OPTION 2 ELECTRICAL BOARD



ART_1001161771-B

FIGURE 10-28. 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 10-29. CAB OPTION HARNESS

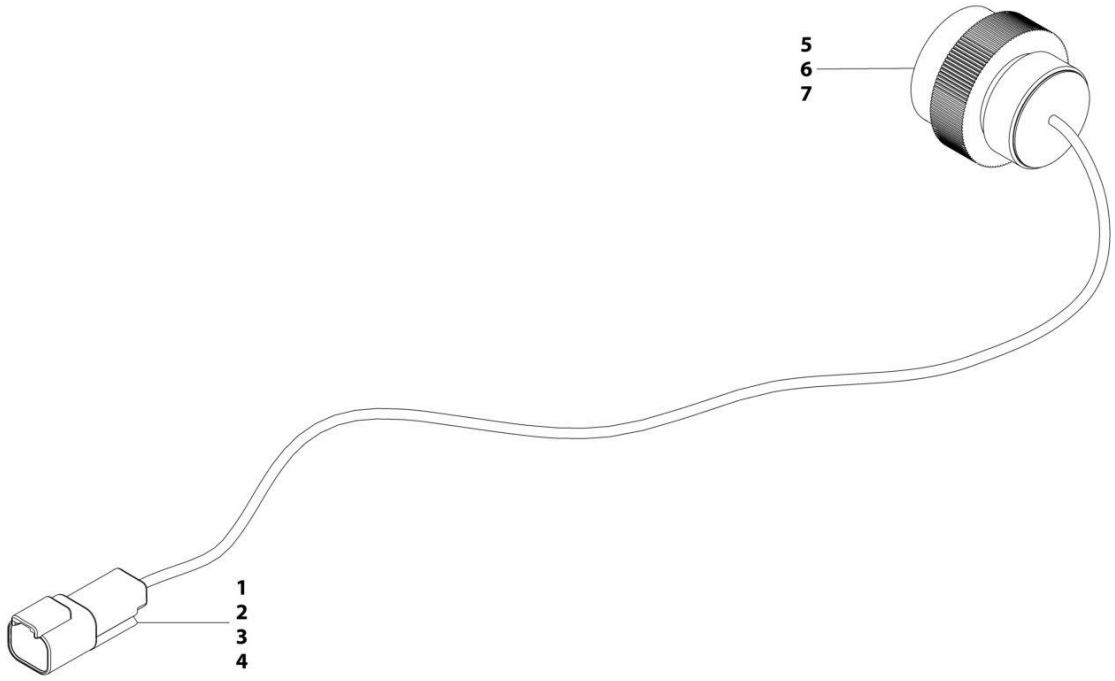


FIGURE 10-29. CAB OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181573	Ref	Cab Option Harness	B
1	4460897	1	Connector	
2	4460941	1	Terminal	
3	4460466	1	Seal	
4	80604017	1	Wedge Lock	
5	4461015	1	Connector	
6	4460466	13	Plug	
7	4460942	1	Terminal	

FIGURE 10-30. CAB OPTION 1 HARNESS

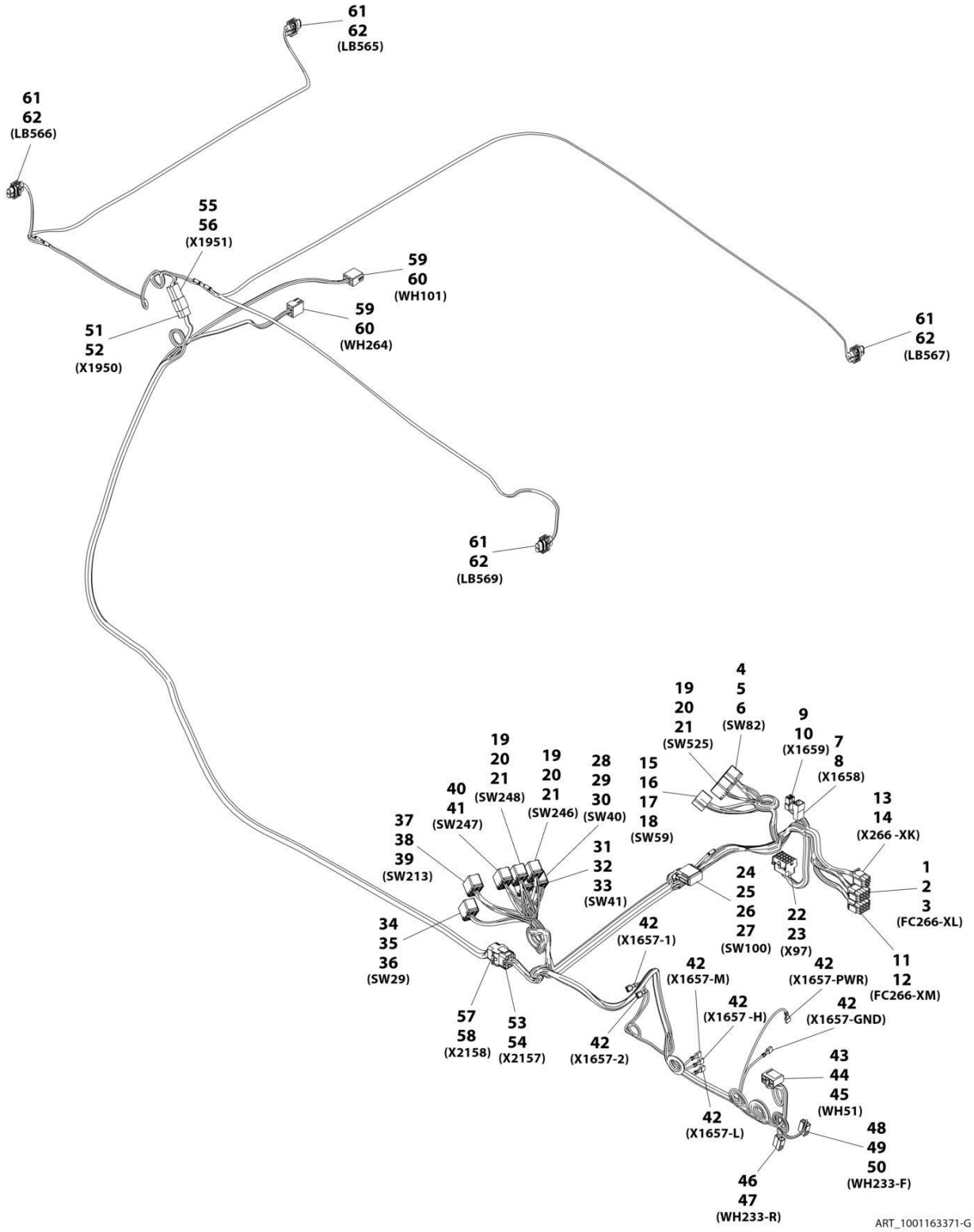


FIGURE 10-30. CAB OPTION 1 HARNESS

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 10-31. CAB OPTION 2 HARNESS

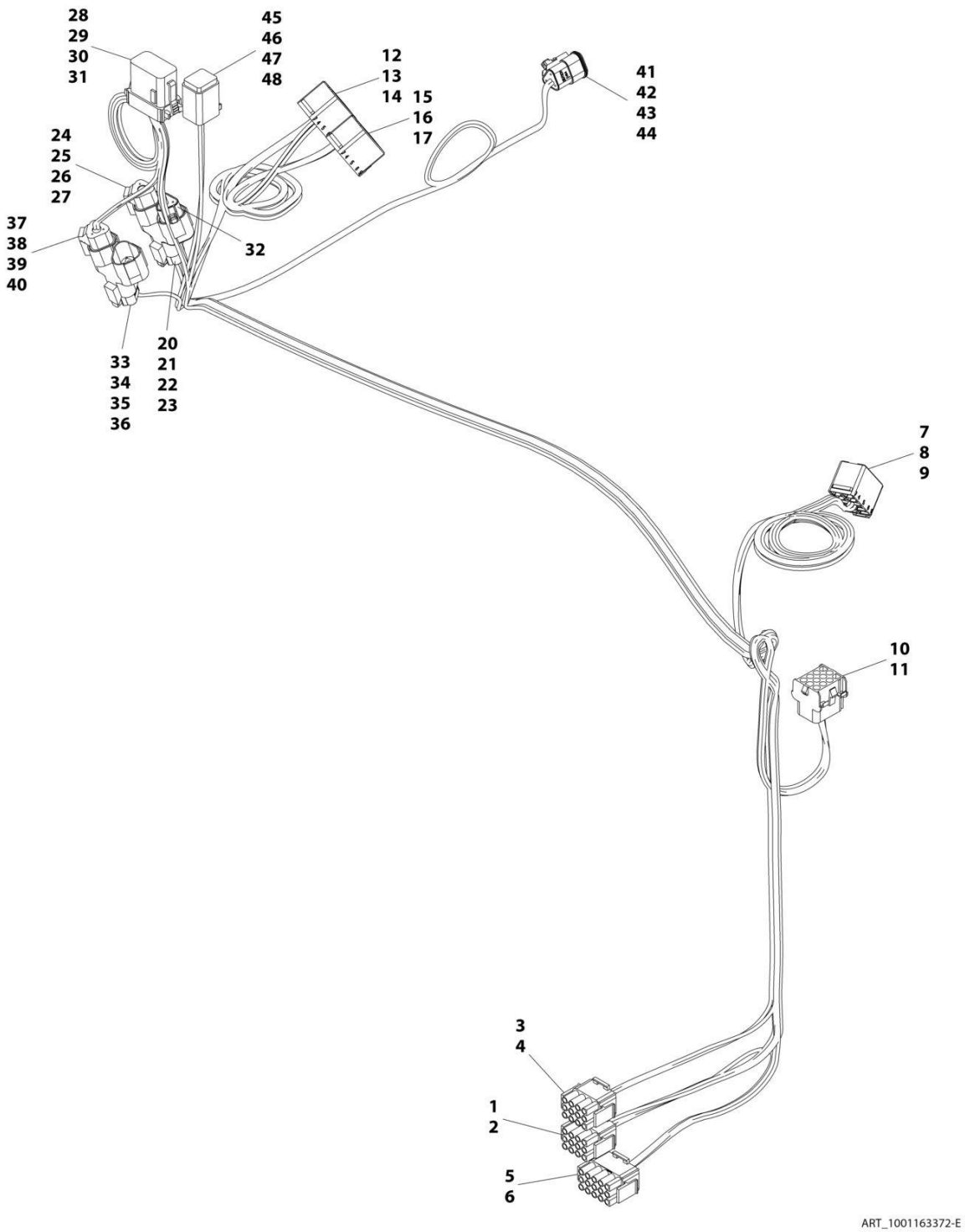


FIGURE 10-31. CAB OPTION 2 HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163372	Ref	Option 2 Cab Harness	E
1	4460343	1	Connector	
2	4460268	5	Terminal	
3	4460343	1	Connector	
4	4460267	2	Terminal	
5	4460434	1	Connector	
6	4460268	4	Terminal	
7	1001117081	1	Connector	
8	1001116723	6	Terminal	
9	1001118384	1	Terminal	
10	4460367	1	Connector	
11	4460267	6	Terminal	
12	1001117081	1	Connector	
13	1001118384	2	Terminal	
14	1001116723	4	Terminal	
15	1001117081	1	Connector	
16	1001118384	3	Terminal	
17	1001116723	2	Terminal	
20	1001116812	1	Connector	
21	91554019	1	Lock, Connector	
22	4460944	2	Terminal	
23	4460466	1	Plug	
24	4460539	1	Connector	
25	77363244	1	Wedge Lock	
26	4460466	1	Plug	
27	4460944	2	Terminal	
28	1001176333	1	Connector	
29	4460944	4	Terminal	
30	4460466	11	Plug	
31	4460465	3	Terminal	
32	1001116815	1	Connector	
33	1001116812	1	Connector	
34	4460944	2	Terminal	
35	4460466	1	Plug	
36	91554019	1	Connector	
37	4460539	1	Connector	
38	77363244	1	Wedge Lock	
39	4460466	1	Plug	
40	4460944	2	Terminal	
41	1001116812	1	Connector	
42	91554019	1	Lock, Connector	
43	4460944	2	Terminal	
44	4460466	1	Plug	
45	4460930	1	Connector	
46	80604025	1	Lock, Connector	
47	4460466	6	Plug	
48	4460465	2	Terminal	

FIGURE 10-32. CAB - KEY HARNESS

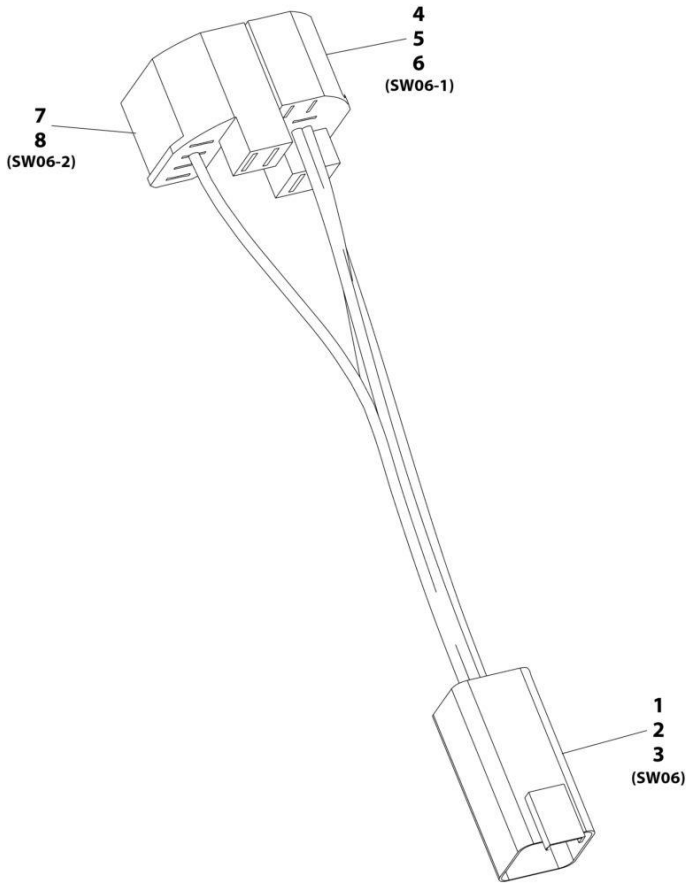


FIGURE 10-32. CAB - KEY HARNESS

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 10-33. CAB MULTIFUNCTION DISPLAY INSTALLATION

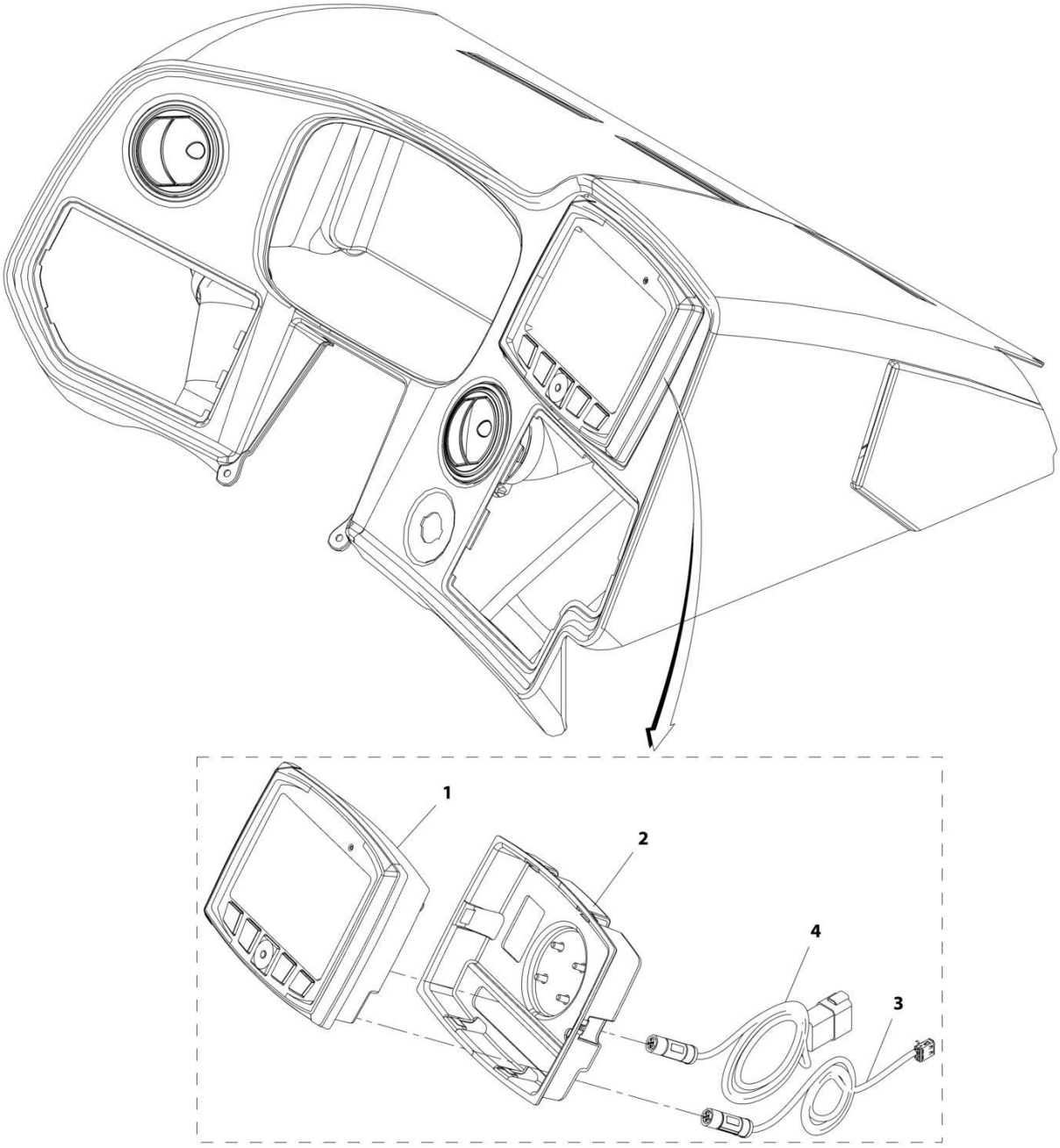


FIGURE 10-33. CAB MULTIFUNCTION DISPLAY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176338	Ref	Multifunction Display Installation	B
1	1001211357	1	Display	
2	1001178783	1	Bezel	
3	1001180682	1	Cable, Display Programming	
4	1001180683	1	Cable, Display Video	

FIGURE 10-34. CAB SEAT BELT ALARM HARNESS

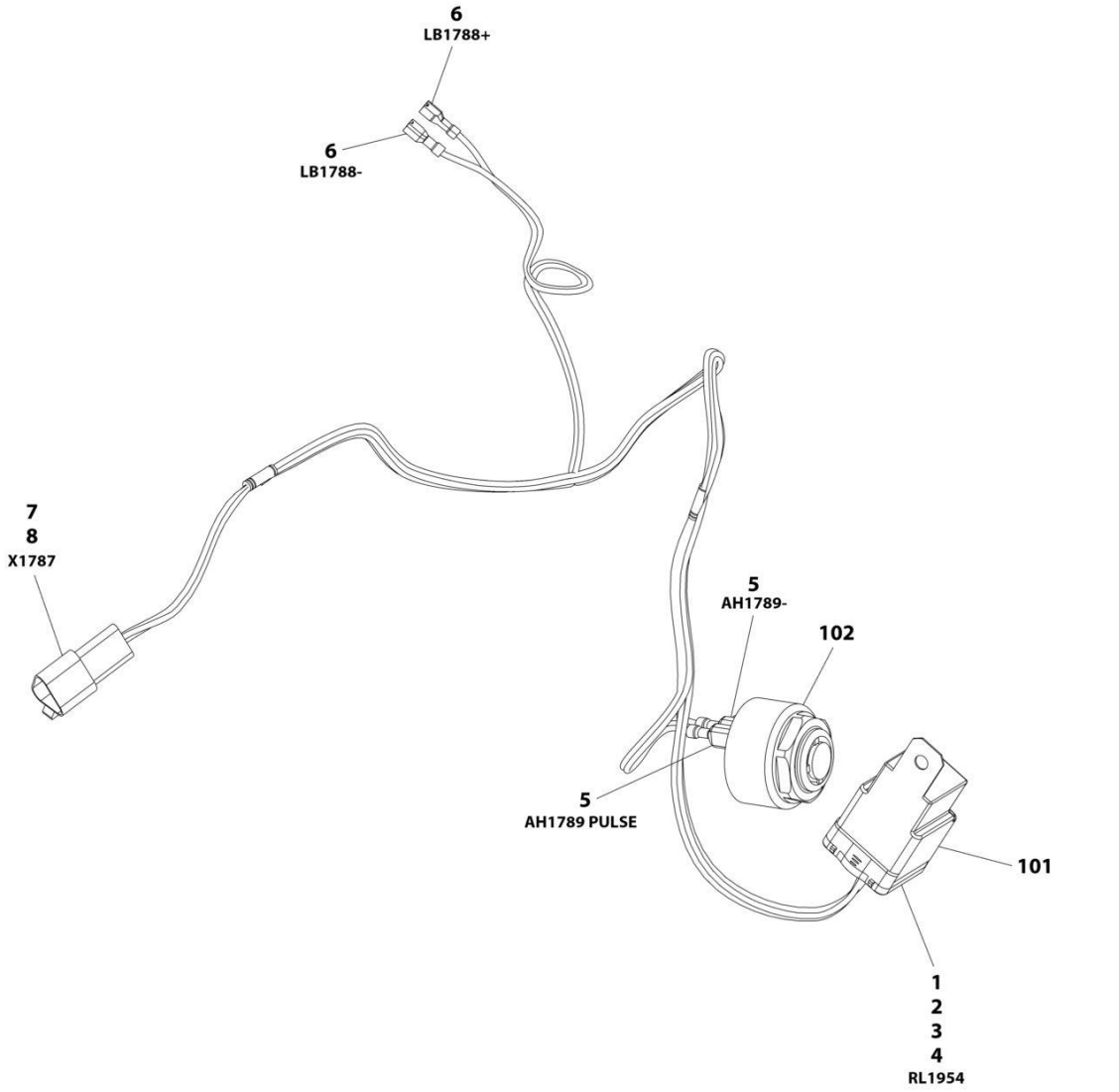


FIGURE 10-34. CAB SEAT BELT ALARM HARNESS

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 10-35. CLEARSKY TELEMATICS CANBUS INSTALLATION (CLEARSKY 2) (ANSI)

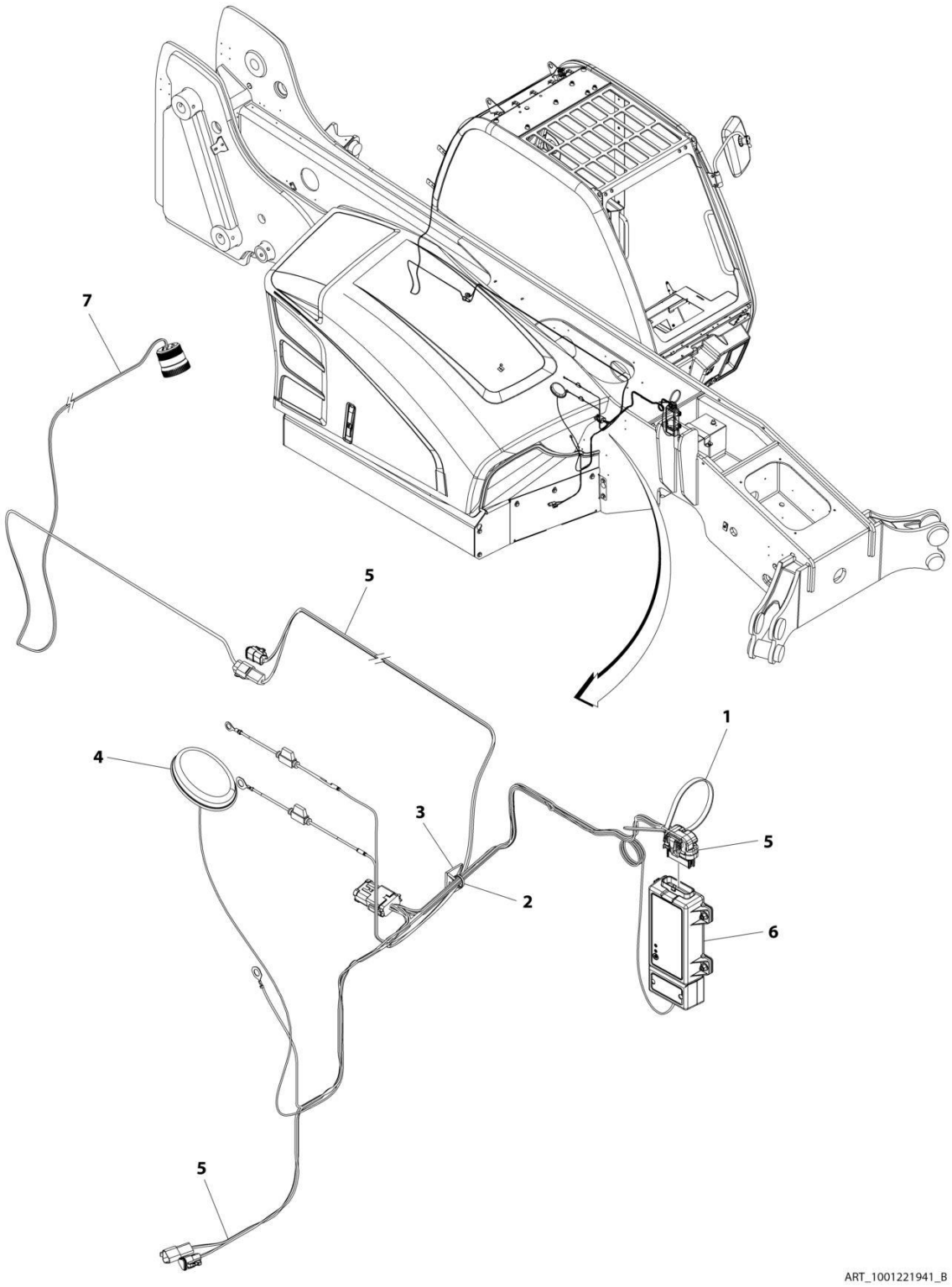


FIGURE 10-35. CLEARSKY TELEMATICS CANBUS INSTALLATION (CLEARSKY 2) (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221941	Ref	Telematics Canbus Installation (Clearsky 2)	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	1001229955	1	Module	
7	1001254185	1	Harness, Adapter (See Separate Breakdown in this section)	

FIGURE 10-36. CLEARSKY TELEMATICS CANBUS INSTALLATION (CLEARSKY 2) (CE)

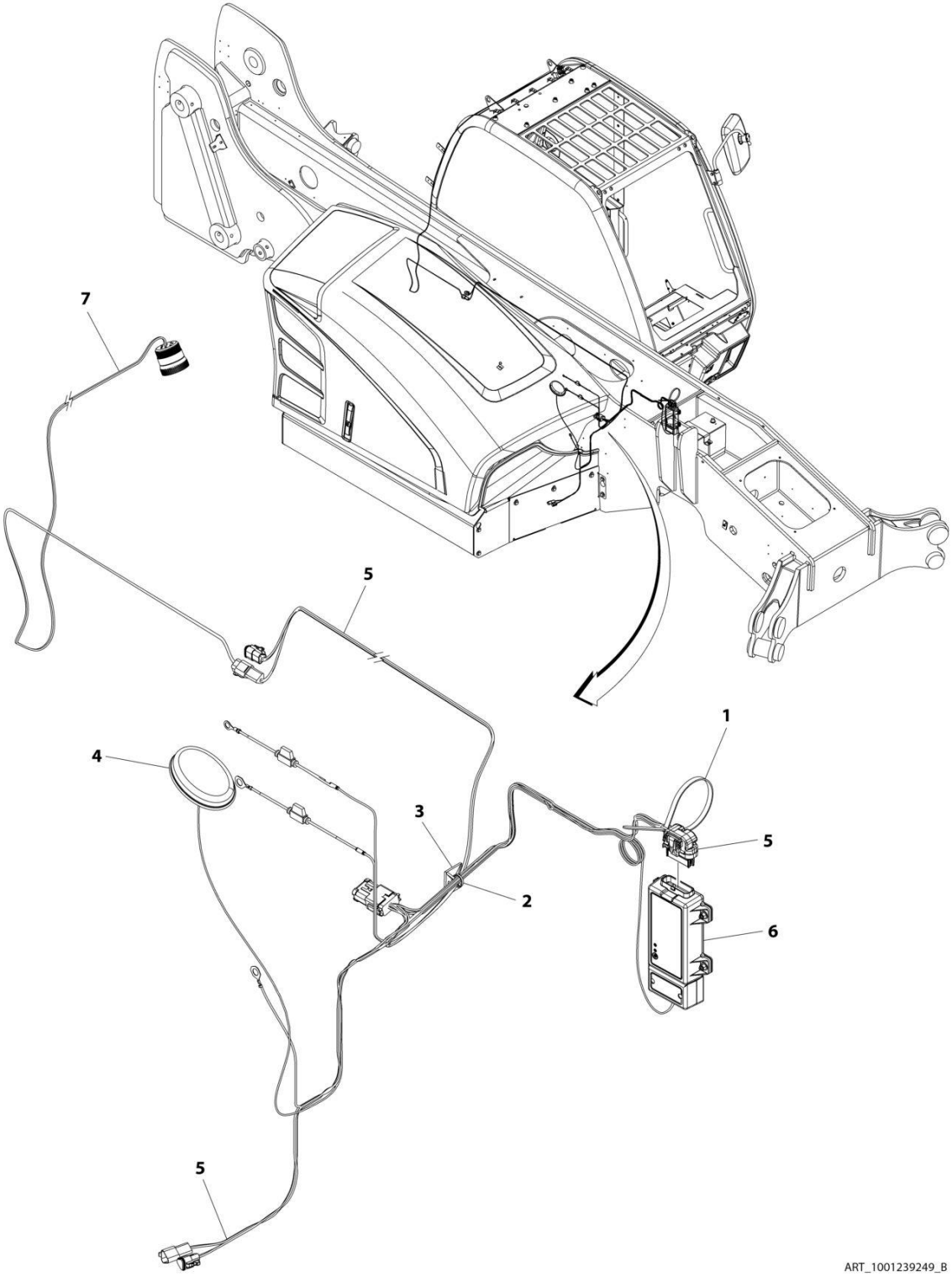


FIGURE 10-36. CLEARSKY TELEMATICS CANBUS INSTALLATION (CLEARSKY 2) (CE)

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 10-37. CLEARSKY TELEMATICS CANBUS HARNESS (CLEARSKY 2)

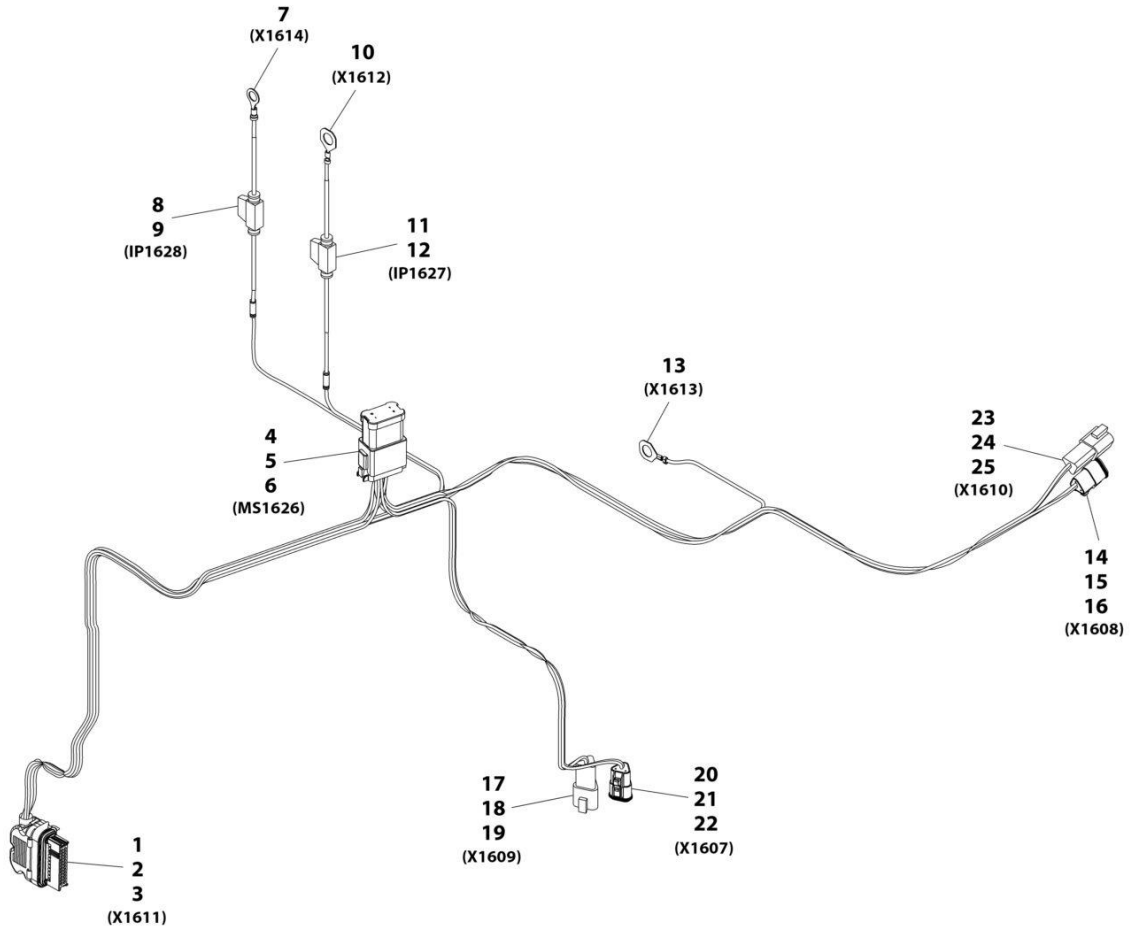


FIGURE 10-37. CLEARSKY TELEMATICS CANBUS HARNESS (CLEARSKY 2)

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 10-38. TELEMATICS ADAPTER HARNESS

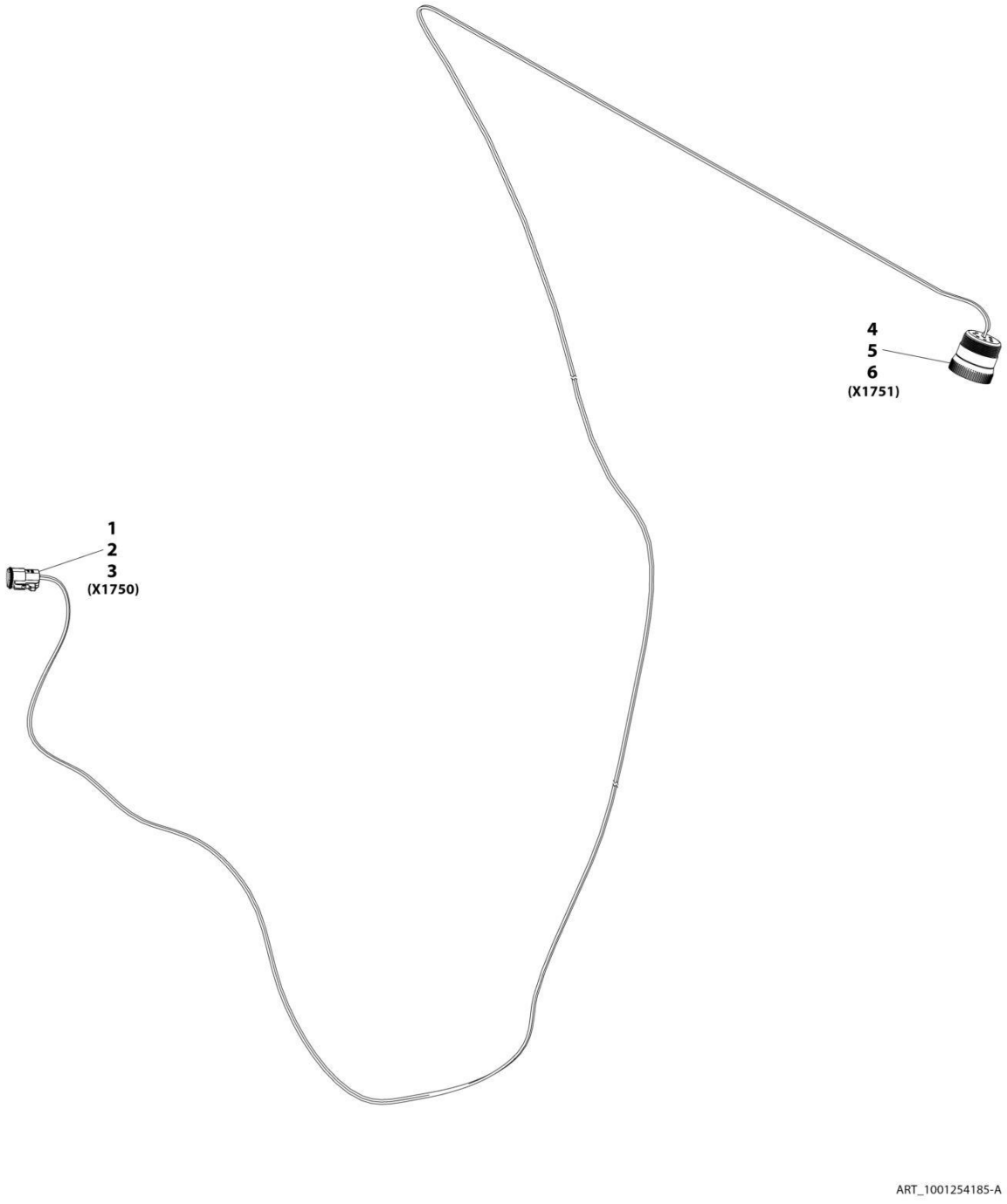


FIGURE 10-38. TELEMATICS ADAPTER HARNESS

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 10-39. CLEARSKY TELEMATICS 3-WIRE INSTALLATION (ANSI)

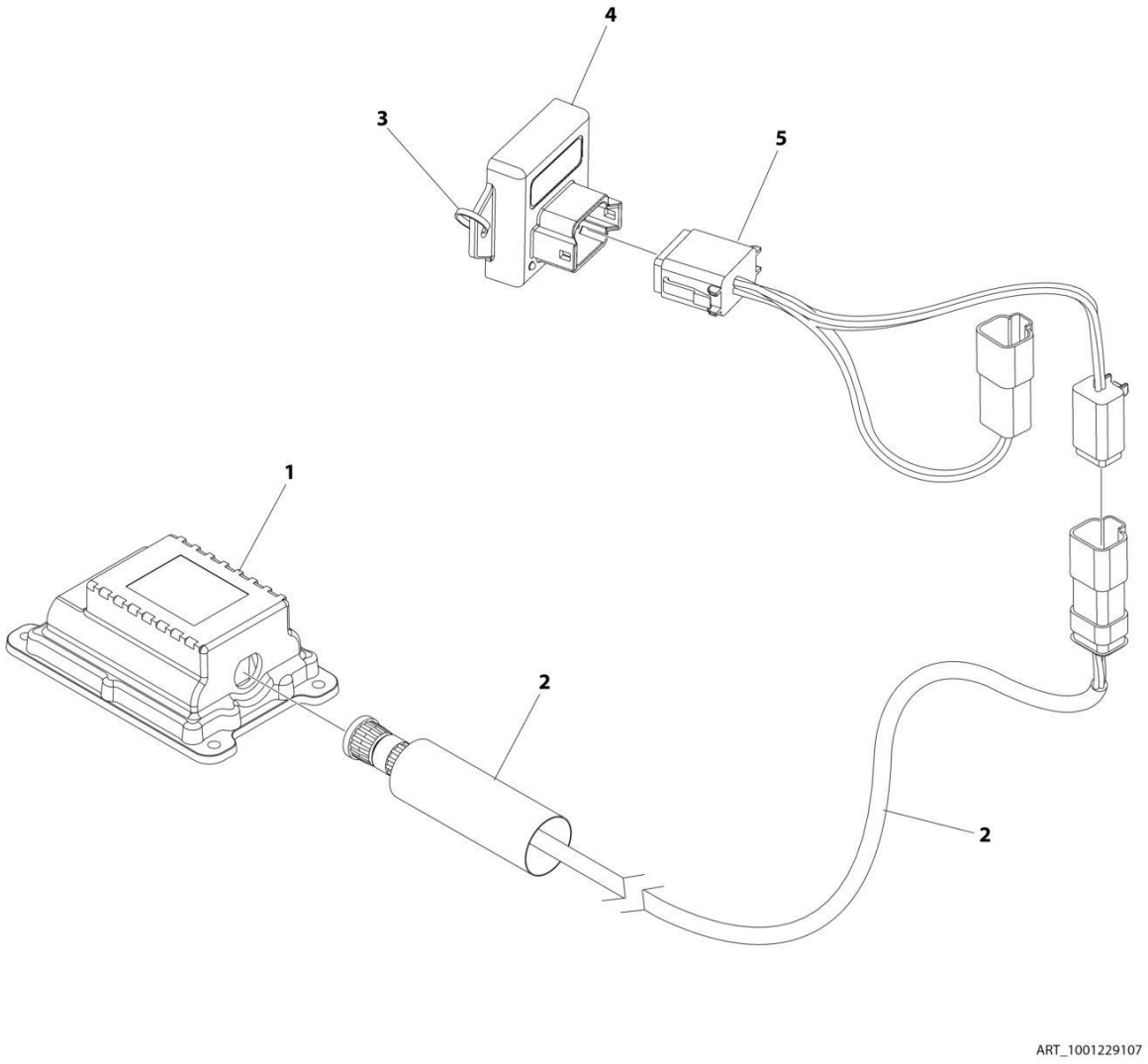


FIGURE 10-39. CLEARSKY TELEMATICS 3-WIRE INSTALLATION (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229107	Ref	CLEARSKY INSTALLATION 3-WIRE	D
1	1001226328	1	Module, 3W TCU	
2	1001227066	1	Telematics ClearSky Harness (See Separate Breakdown in this Section)	
3	4240032	AR	Tie-Strap	
4	1001262960	1	Voltage Regulator	
5	1001262963	1	Harness, Xirgo Jumper	

FIGURE 10-40. CLEARSKY TELEMATICS 3-WIRE INSTALLATION (CE)

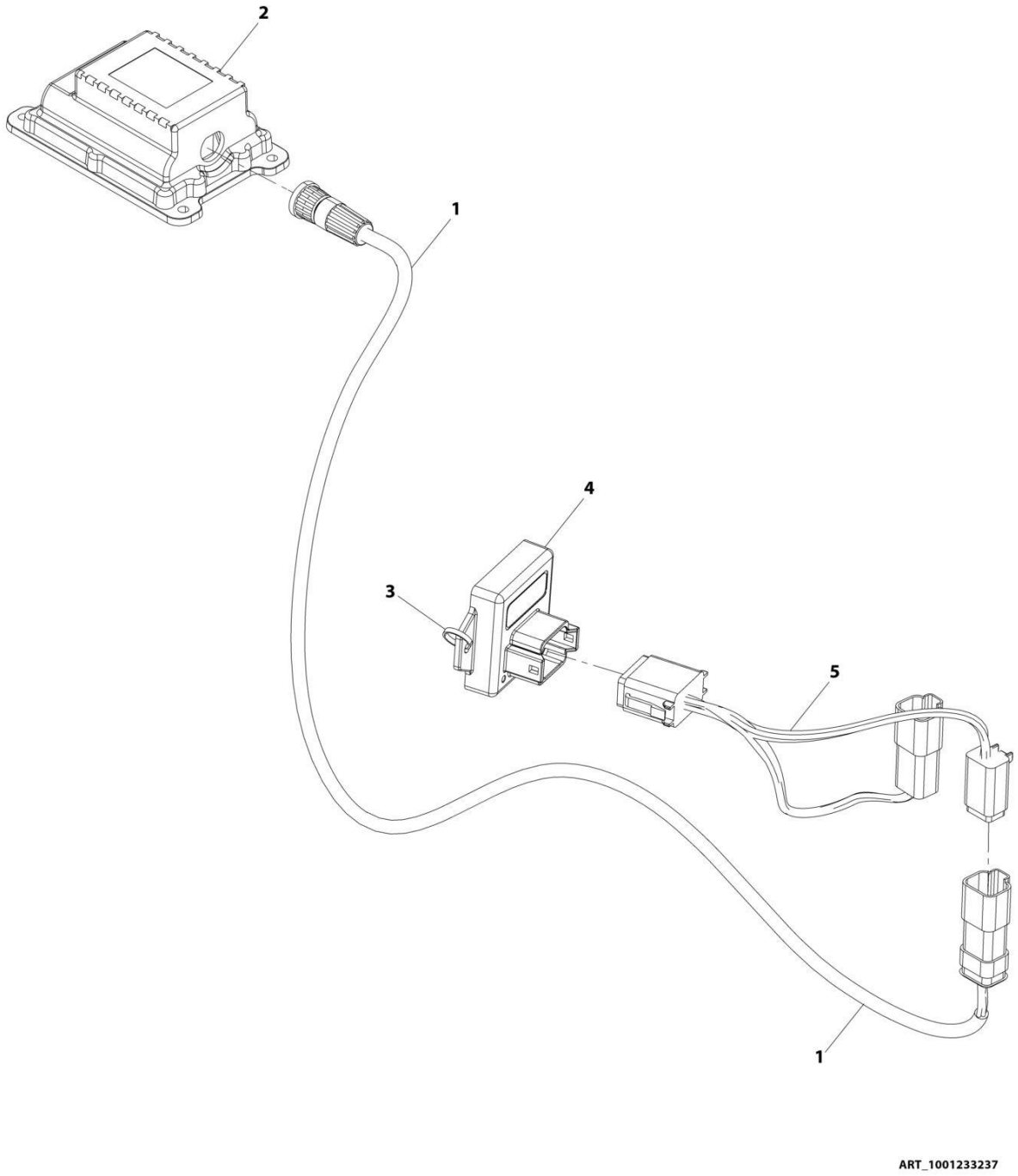


FIGURE 10-40. CLEARSKY TELEMATICS 3-WIRE INSTALLATION (CE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233237	Ref	Clearsky Installation 3-Wire (CE)	E
1	1001227066	1	Telematics Harness (See Separate Breakdown in this Section)	
2	1001233236	1	Module, 3W TCU	
3	4240032	AR	Tie Strap	
4	1001262960	1	Voltage Regulator	
5	1001262963	1	Harness, Xirgo Jumper	

FIGURE 10-41. CLEARSKY TELEMATICS 3-WIRE HARNESS

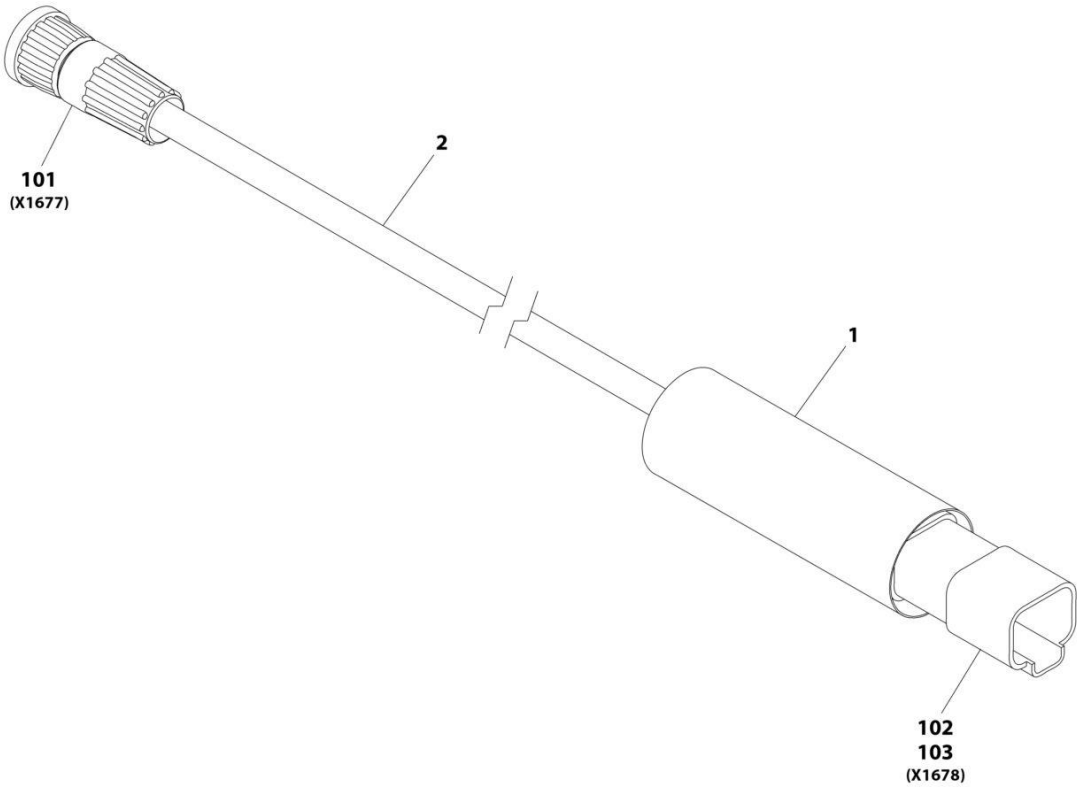


FIGURE 10-41. CLEARSKY TELEMATICS 3-WIRE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227066	Ref	CLEARSKY TELEMATICS HARNESS	A
1	1001226400	0.33 ft	Insulate, Heat Shrink	
2	1001227068	3.3 ft	Cable	
101	1001227266	1	Connector	
102	1001129407	1	Connector	
103	4460464	4	Terminal	

FIGURE 10-42. CLEARSKY TELEMATICS READY INSTALLATION

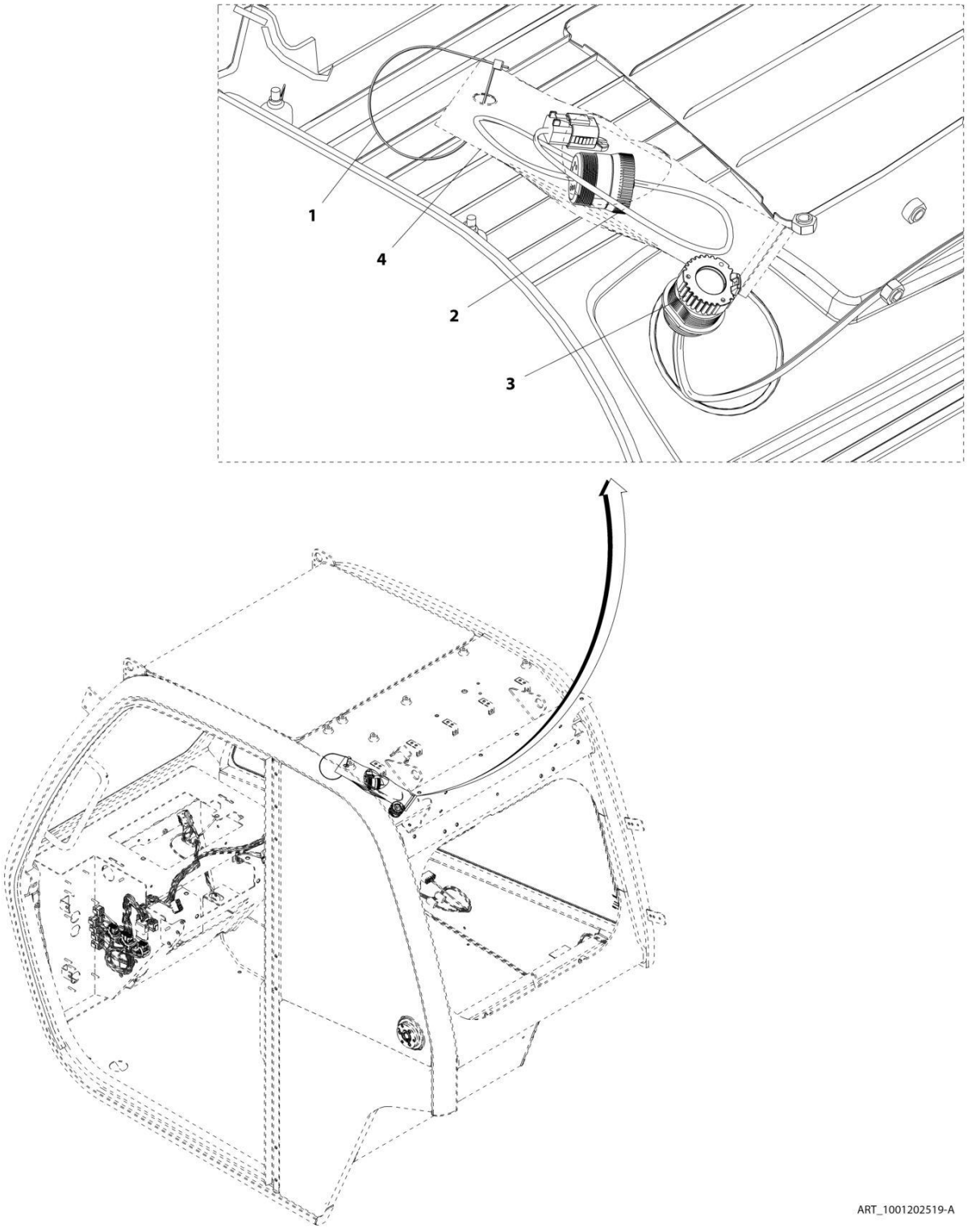


FIGURE 10-42. CLEARSKY TELEMATICS READY INSTALLATION

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 10-43. CLEARSKY TELEMATICS READY HARNESS

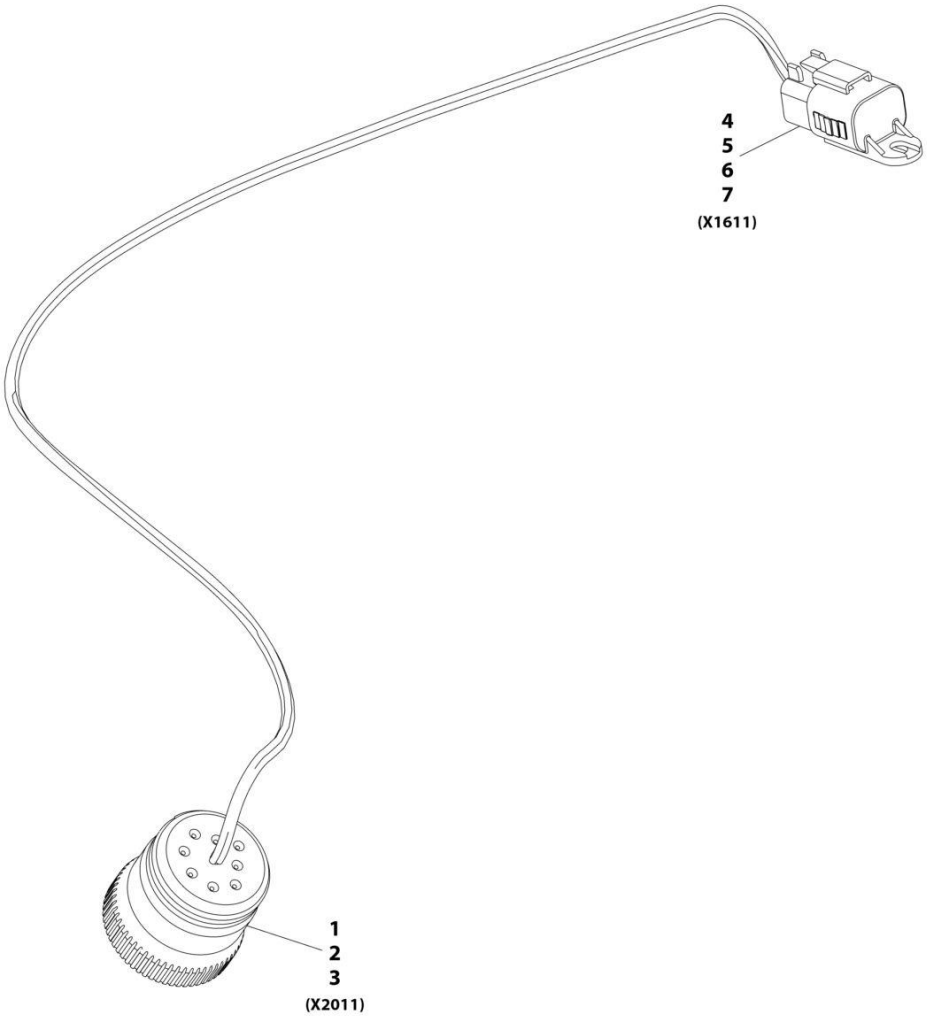


FIGURE 10-43. CLEARSKY TELEMATICS READY HARNESS

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 10-44. DEF PURGE LIGHT HARNESS (ULS)

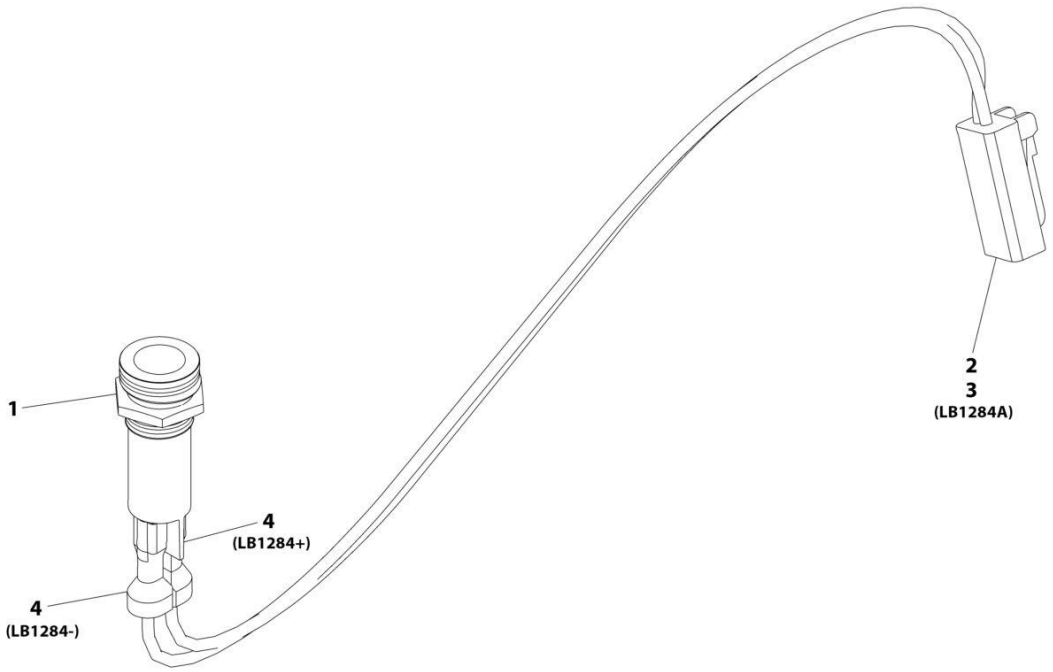
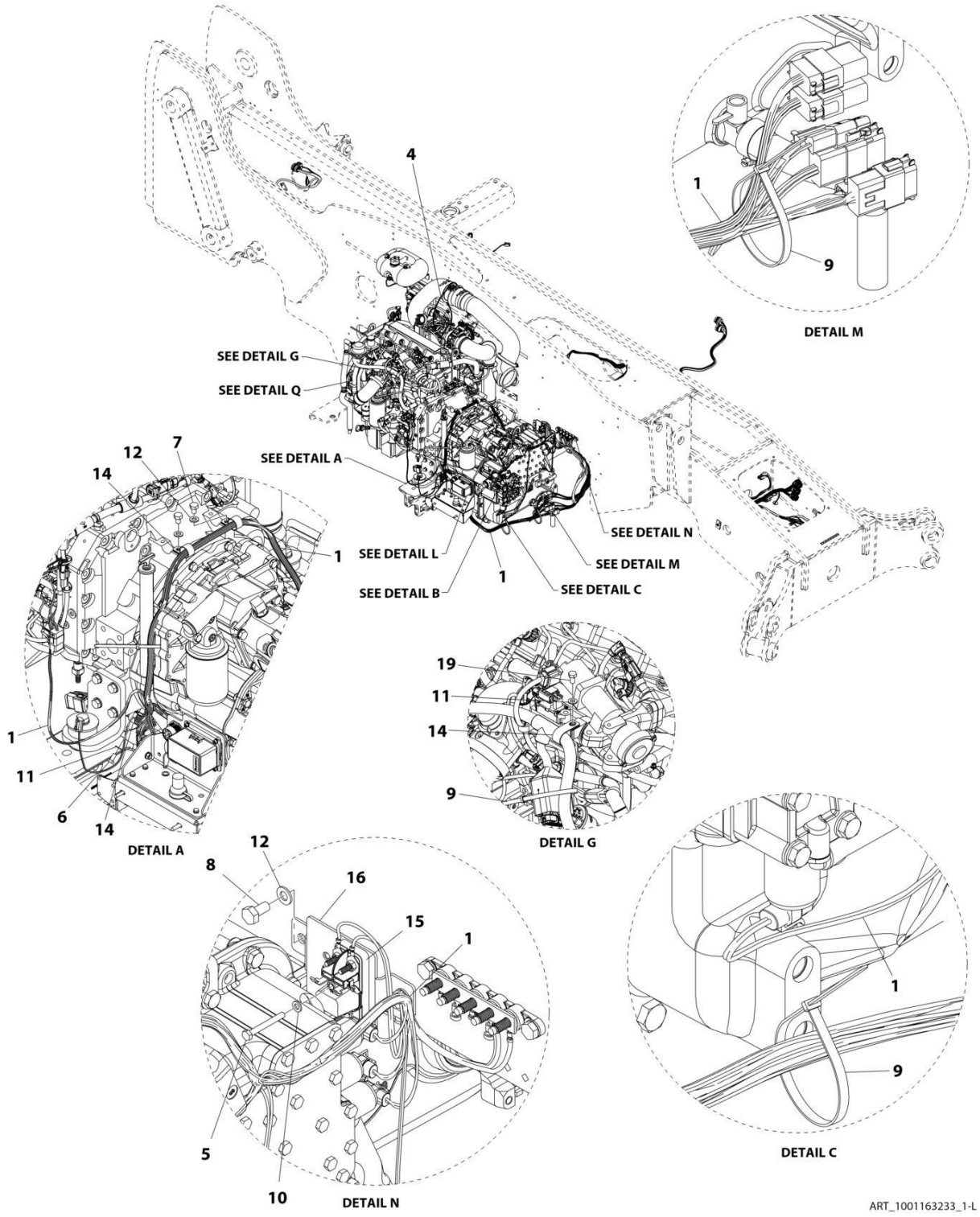
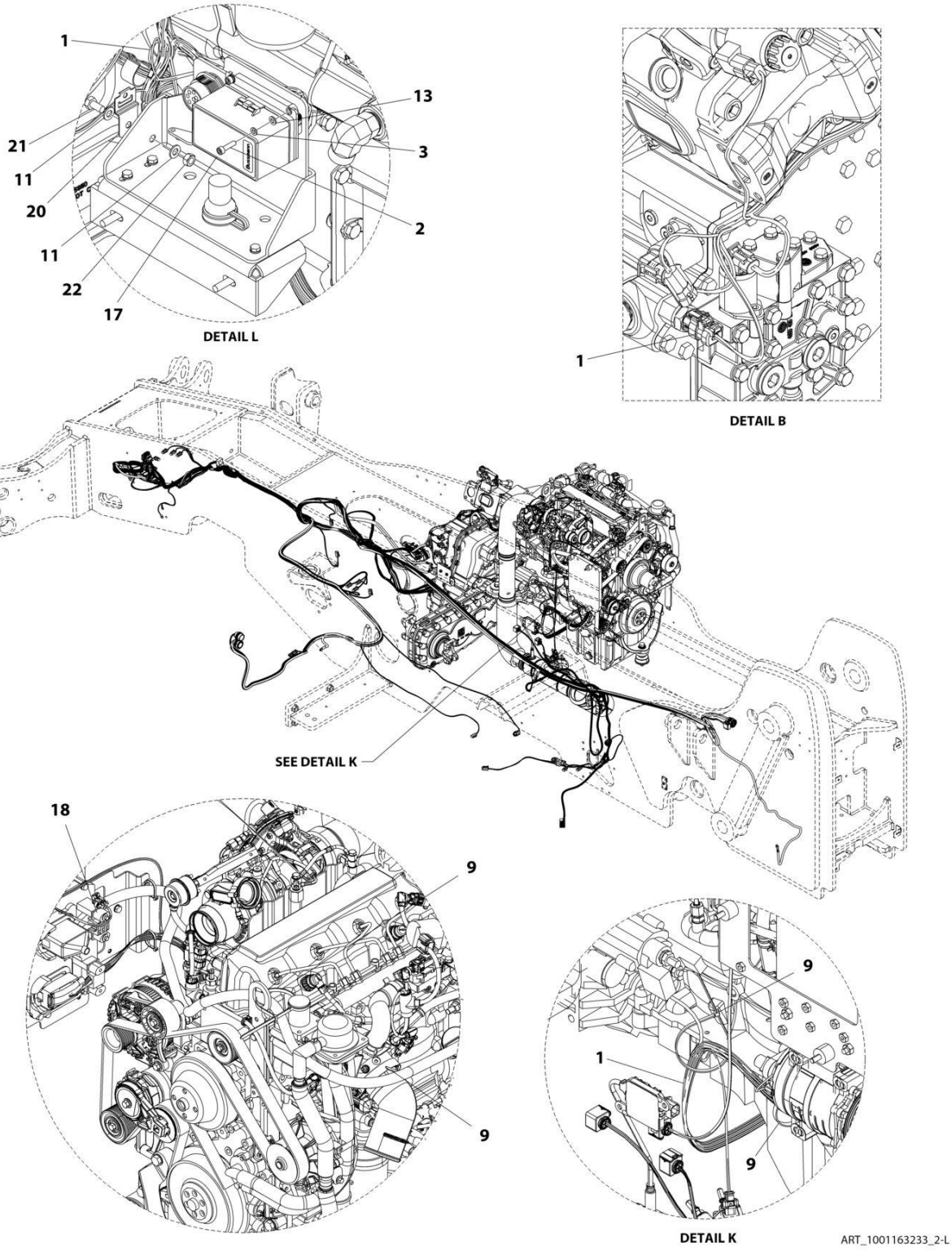


FIGURE 10-44. DEF PURGE LIGHT HARNESS (ULS)

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 10-45. ENGINE - WIRING INSTALLATION (ULS)




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ART_1001163233_2-L

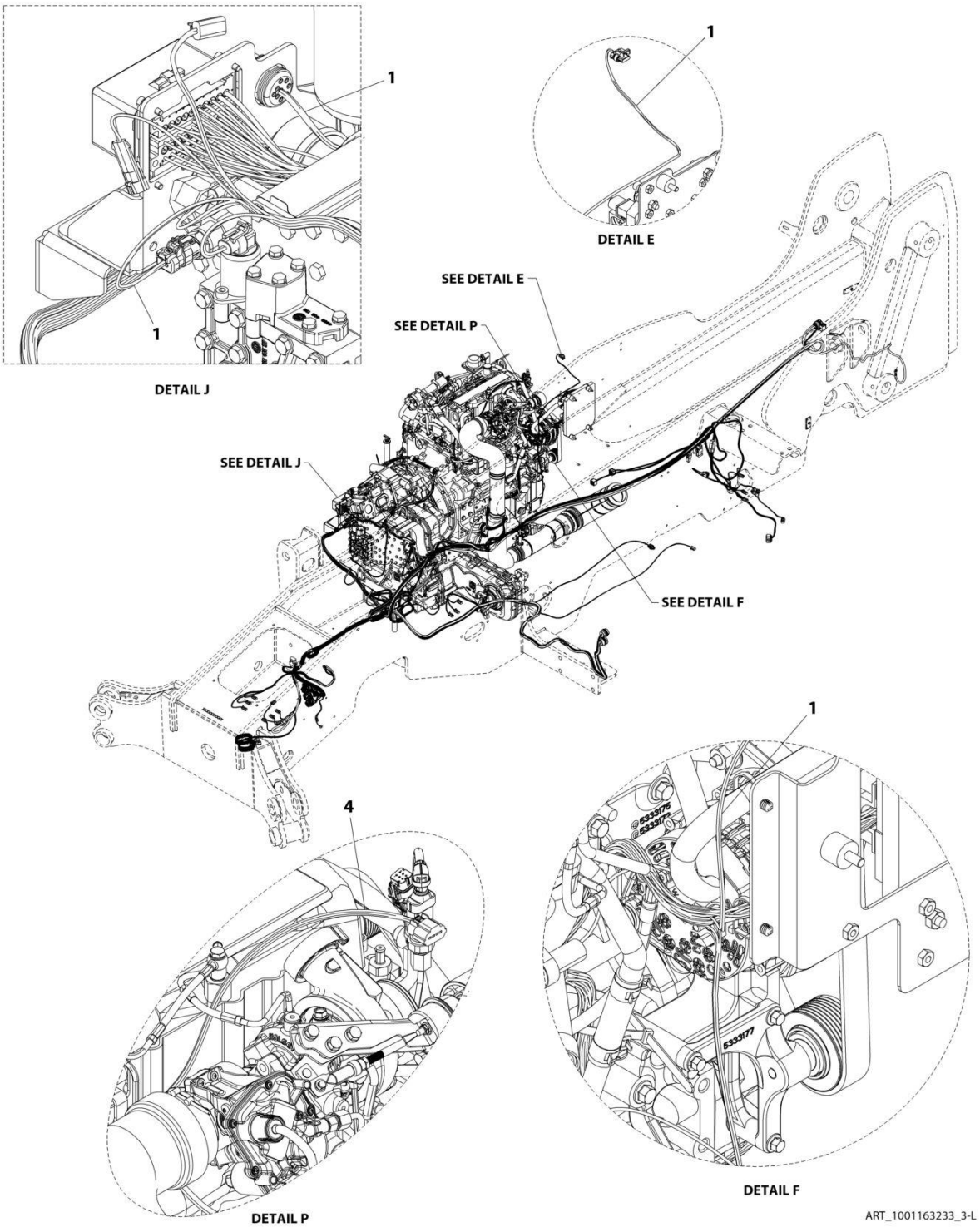
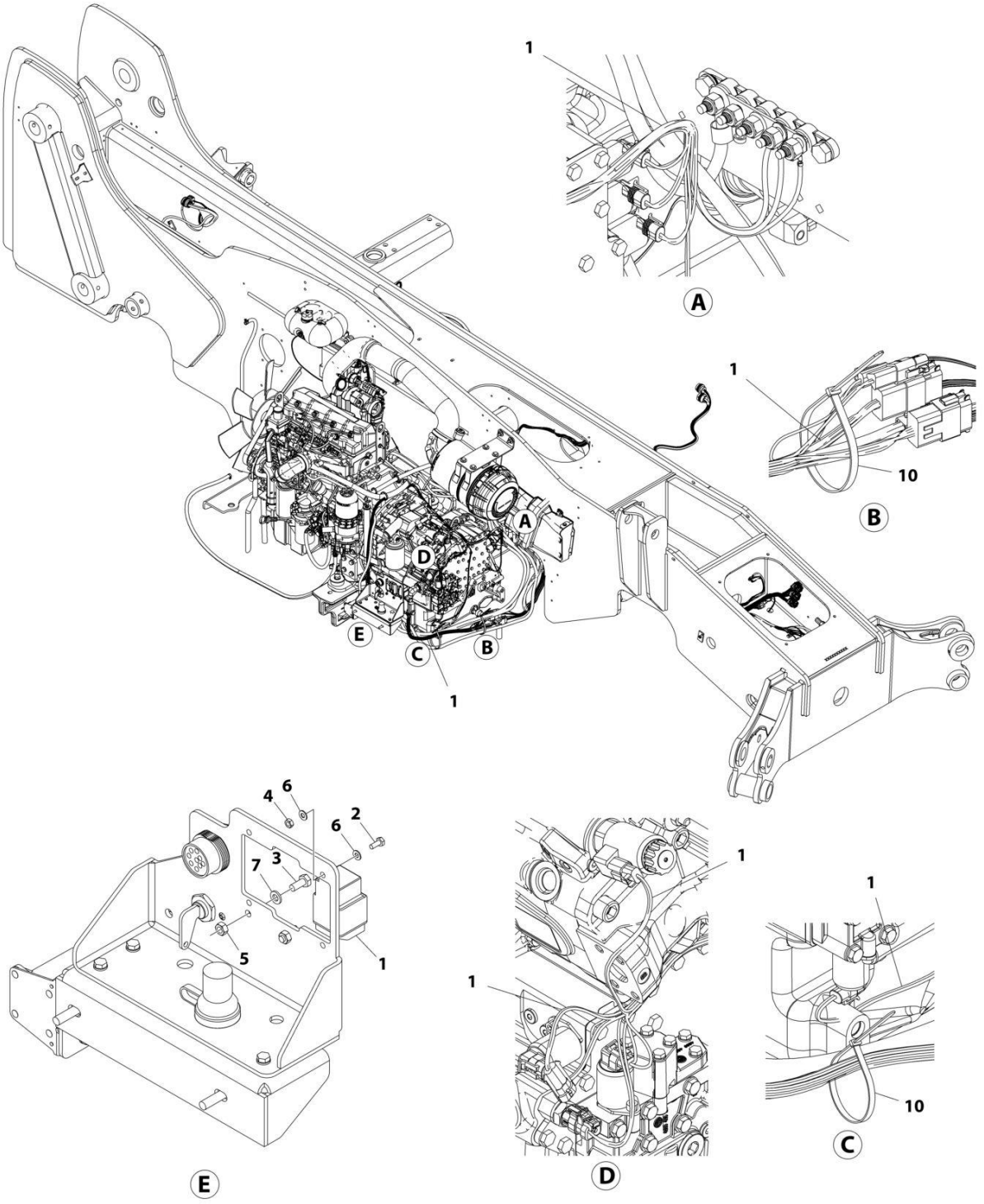
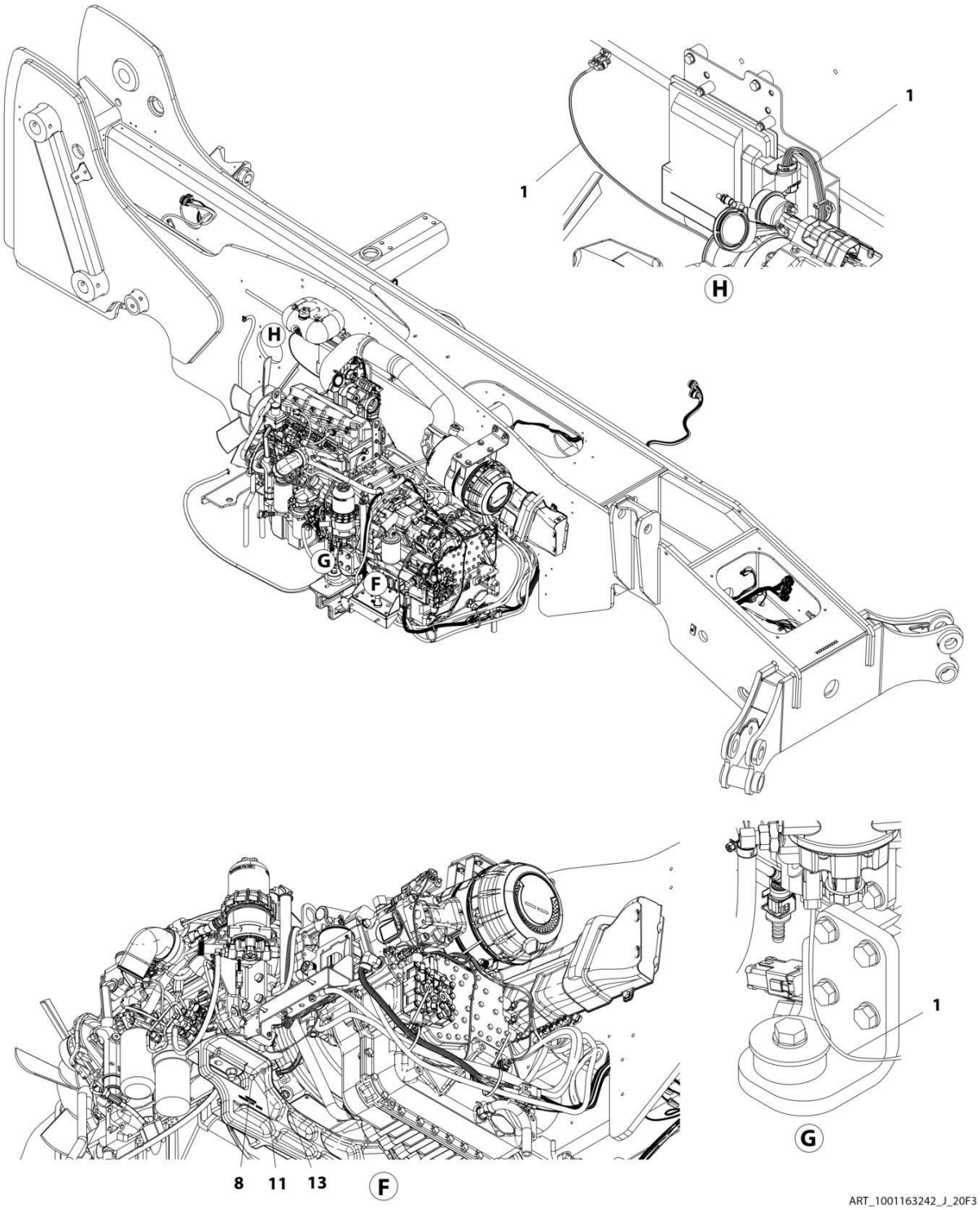

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1
DETAIL J
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DETAIL E
SEE DETAIL E
SEE DETAIL P
SEE DETAIL J
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DETAIL P
1
DETAIL F
ART_1001163233_3-L

FIGURE 10-45. ENGINE - WIRING INSTALLATION (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 10-46. ENGINE - WIRING INSTALLATION (LS)




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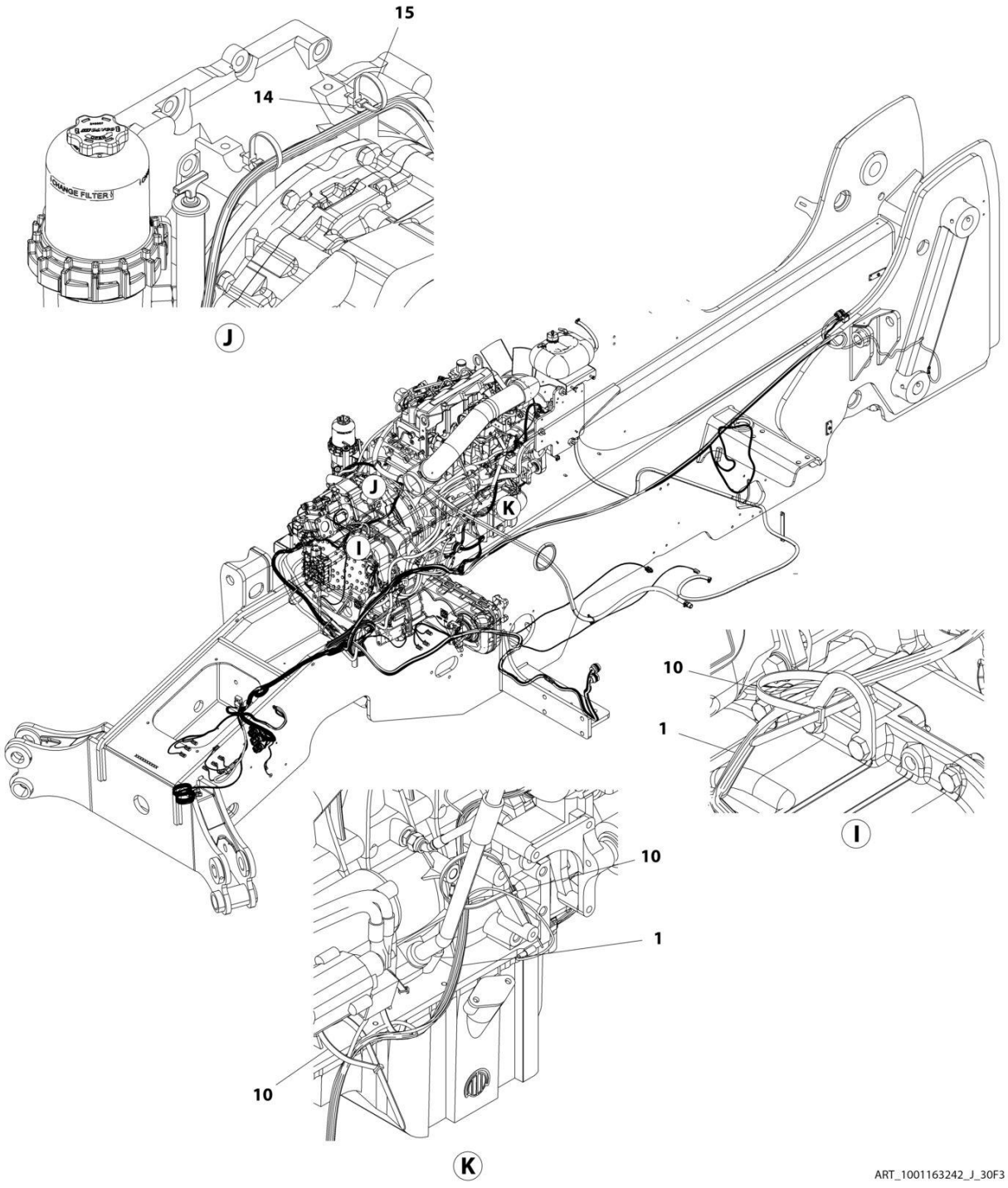
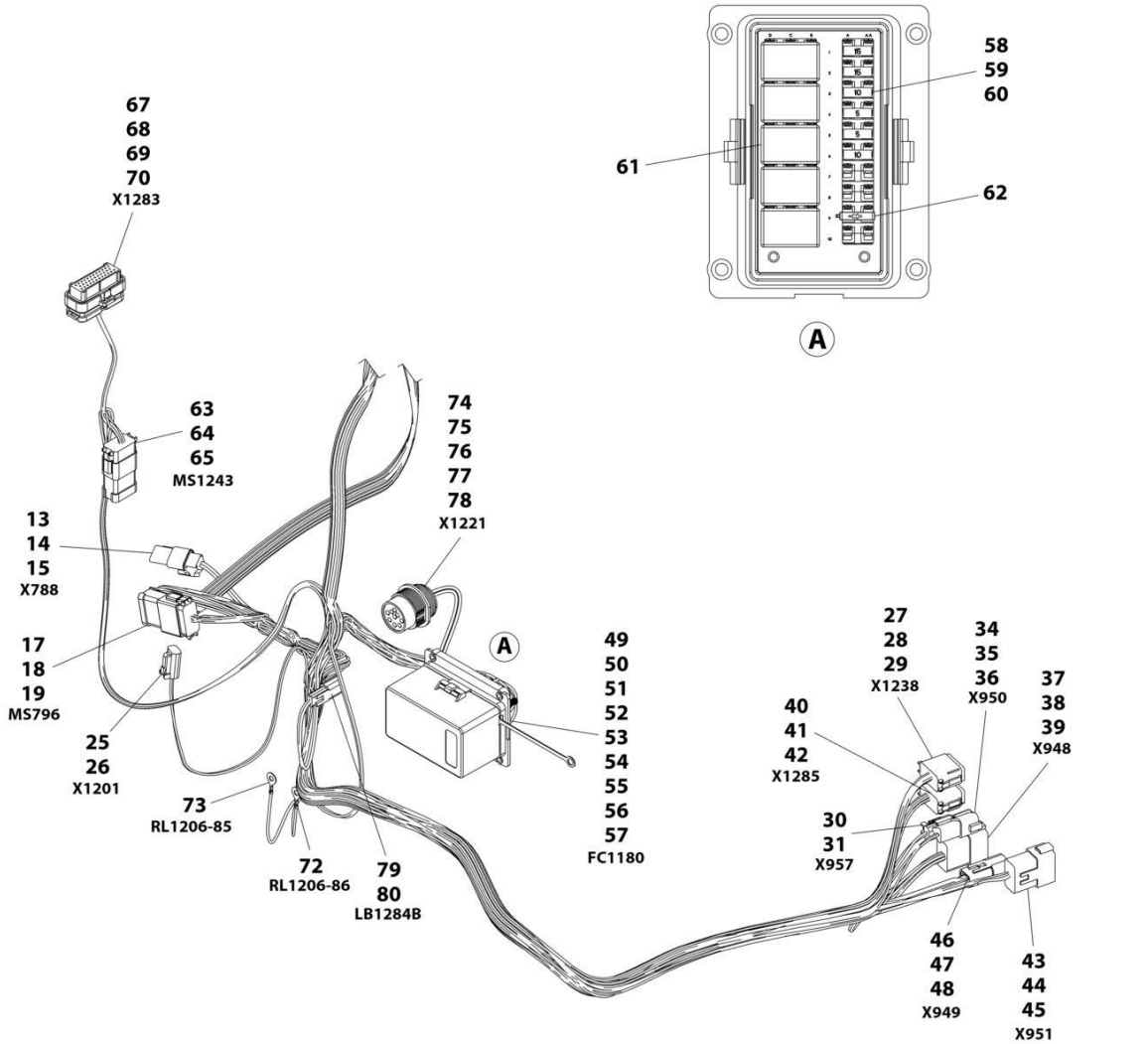

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I
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1
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ART_1001163242_J_30F3

FIGURE 10-46. ENGINE - WIRING INSTALLATION (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 10-47. ENGINE HARNESS (ULS)



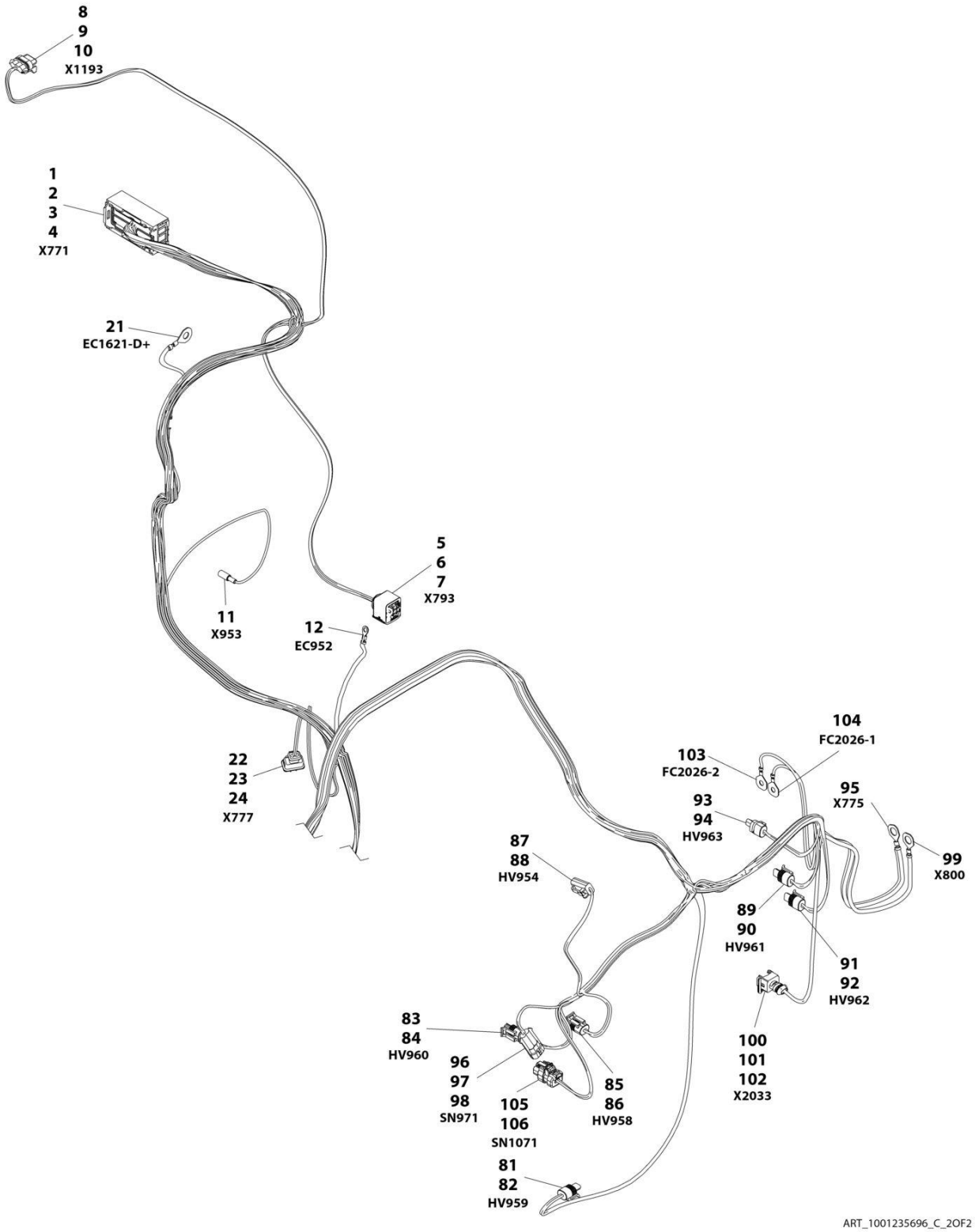

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X1193
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X771
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EC1621-D+
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X793
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X953
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EC952
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23
24
X777
104
FC2026-1
103
FC2026-2
95
X775
93
94
HV963
99
X800
87
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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
100
101
102
X2033
81
82
HV959
ART_1001235696_C_2OF2

FIGURE 10-47. ENGINE HARNESS (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 10-48. ENGINE HARNESS (LS)

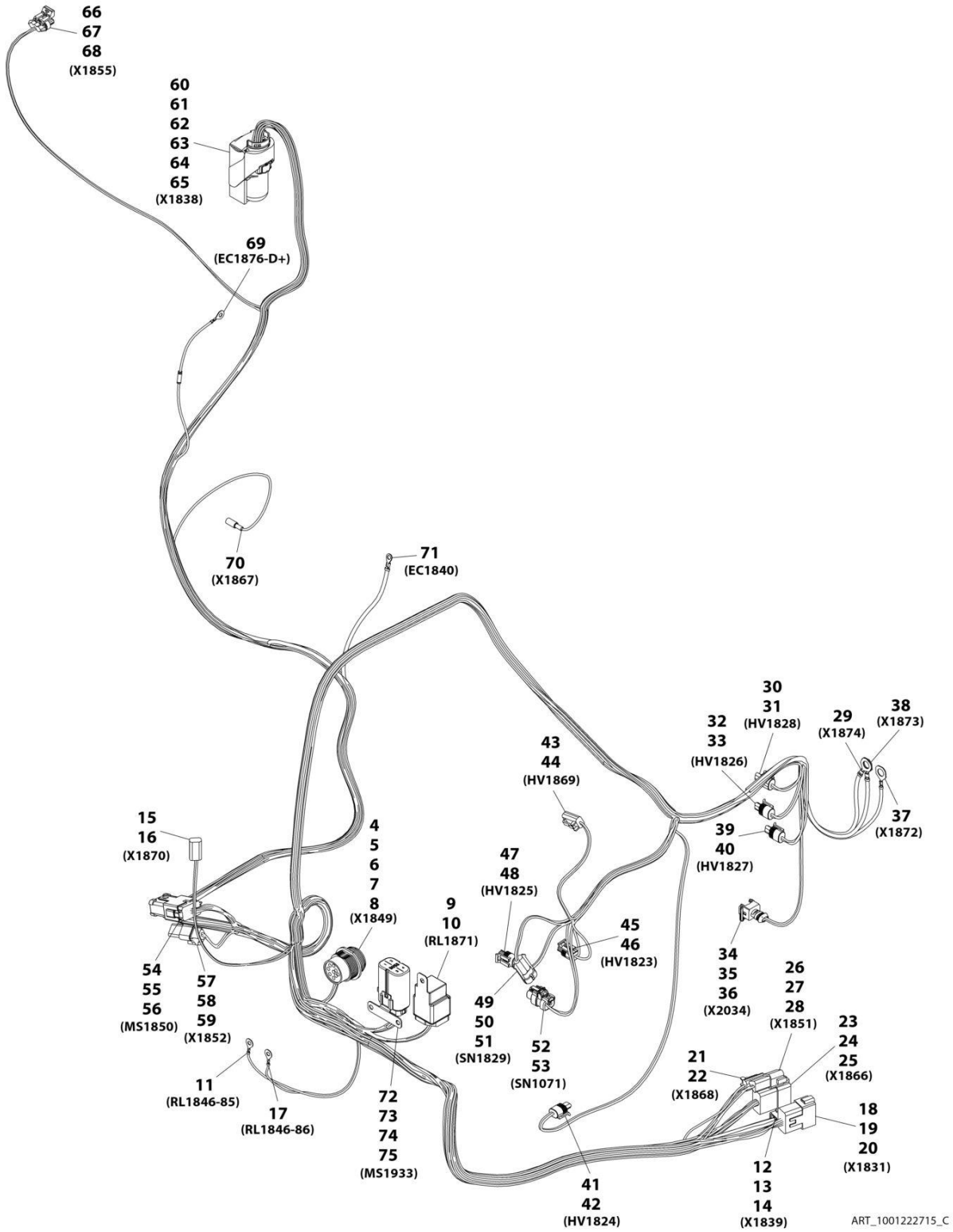


FIGURE 10-48. ENGINE HARNESS (LS)

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 10-49. ENGINE BAY - ELECTRICAL INSTALLATION (ULS)

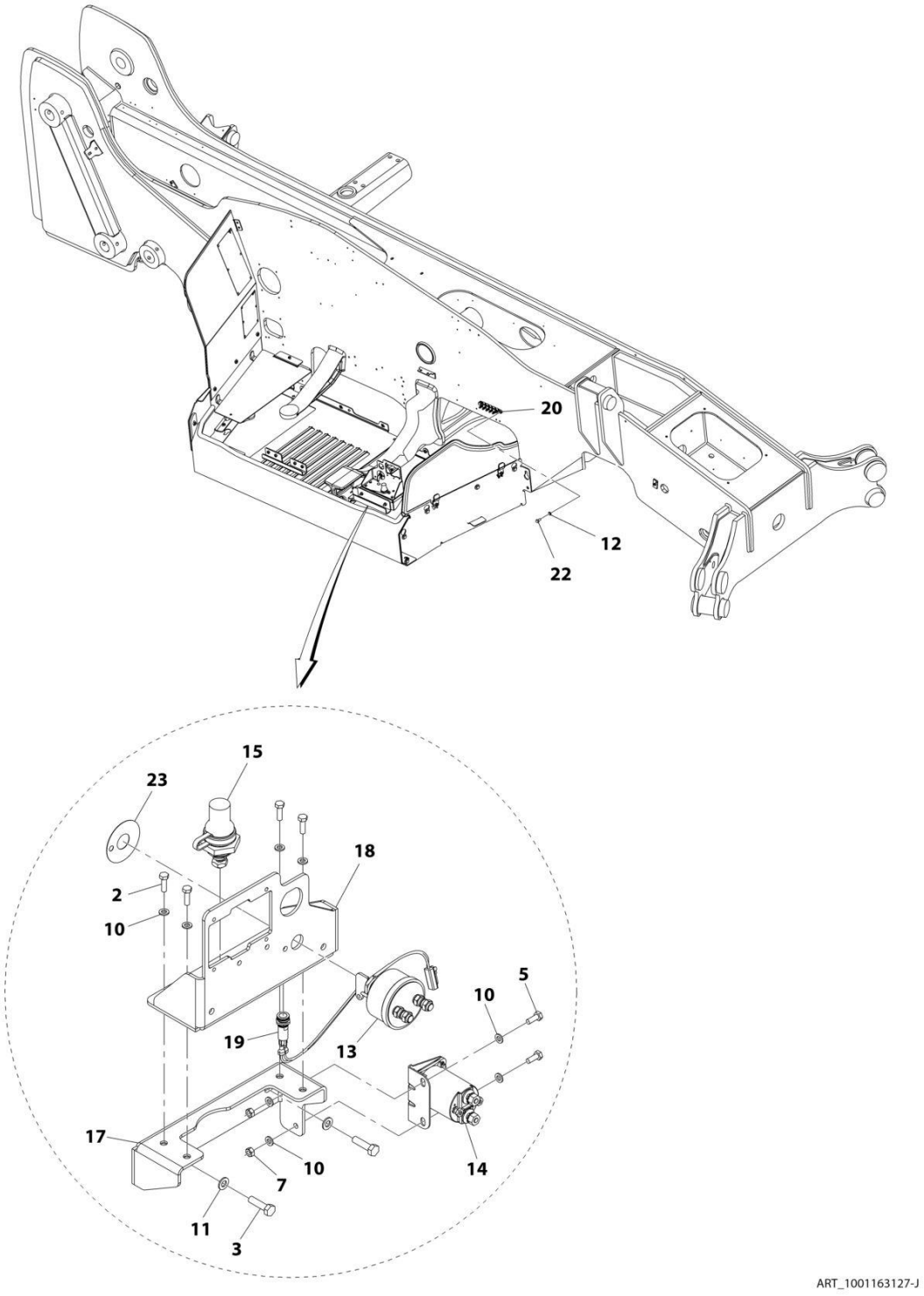


FIGURE 10-49. ENGINE BAY - ELECTRICAL INSTALLATION (ULS)

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 10-50. ENGINE BAY - ELECTRICAL INSTALLATION (LS)

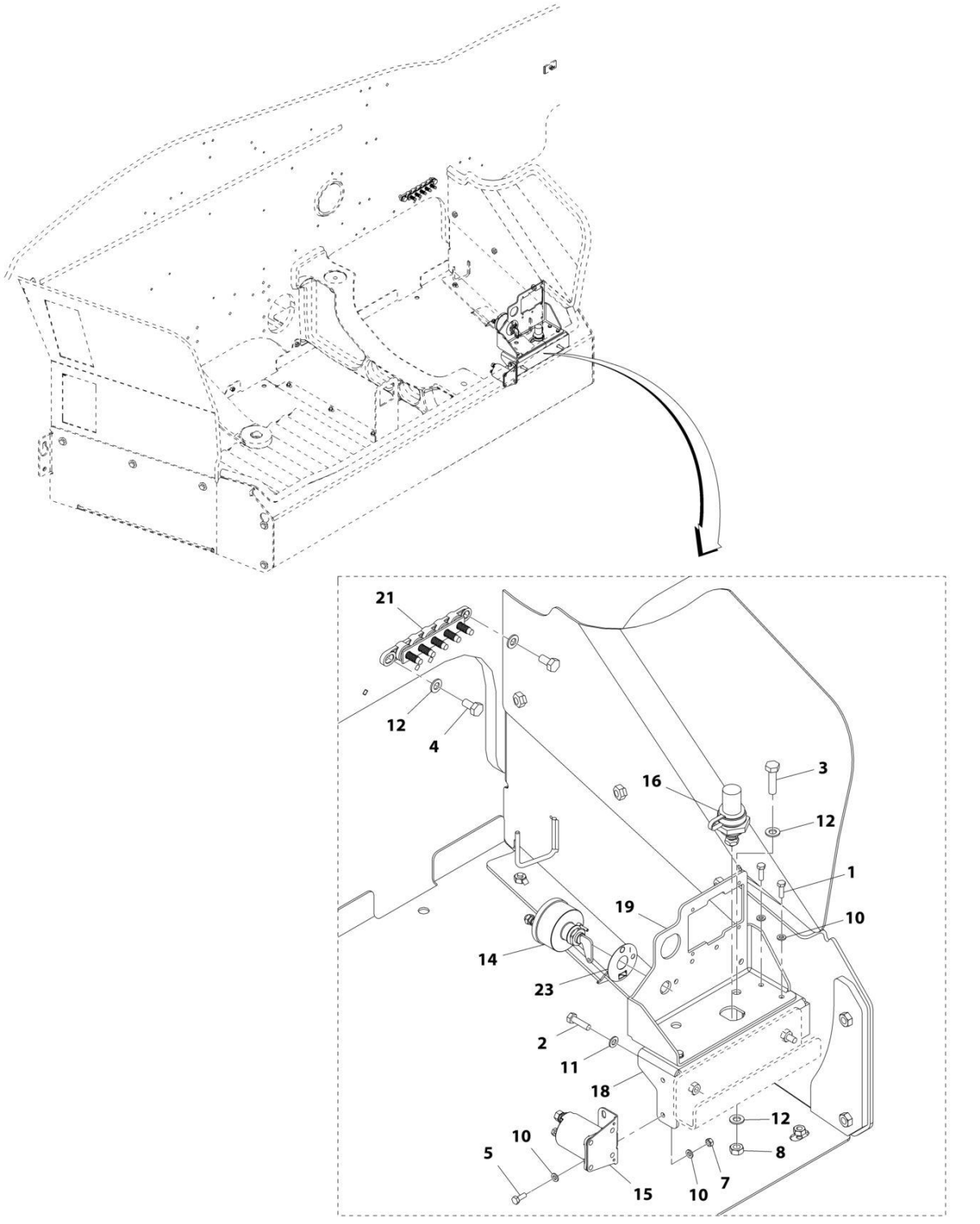


FIGURE 10-50. ENGINE BAY - ELECTRICAL INSTALLATION (LS)

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 10-51. ENGINE BAY - WIRING INSTALLATION (ULS)

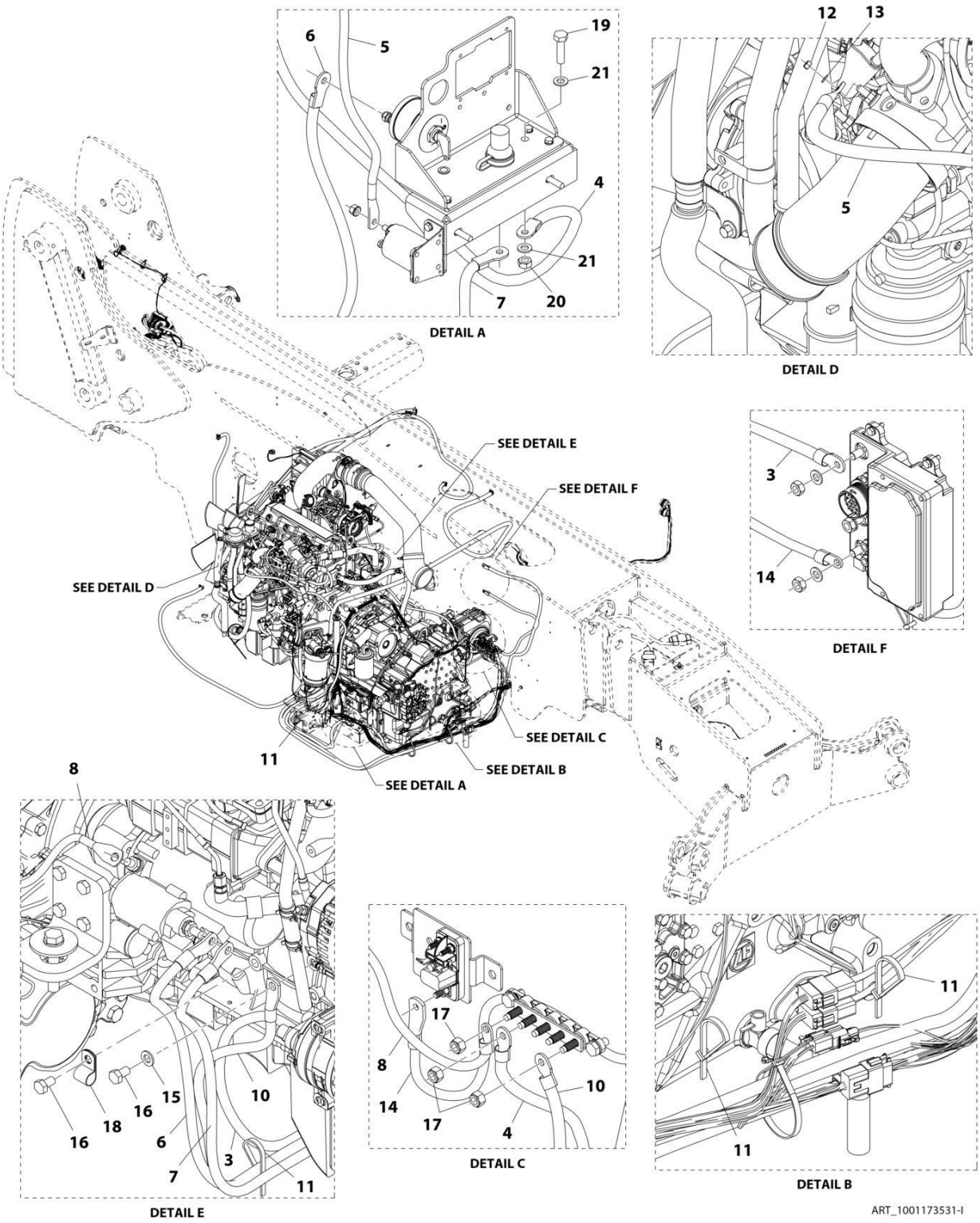


FIGURE 10-51. ENGINE BAY - WIRING INSTALLATION (ULS)

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 10-52. ENGINE BAY - WIRING INSTALLATION (LS)

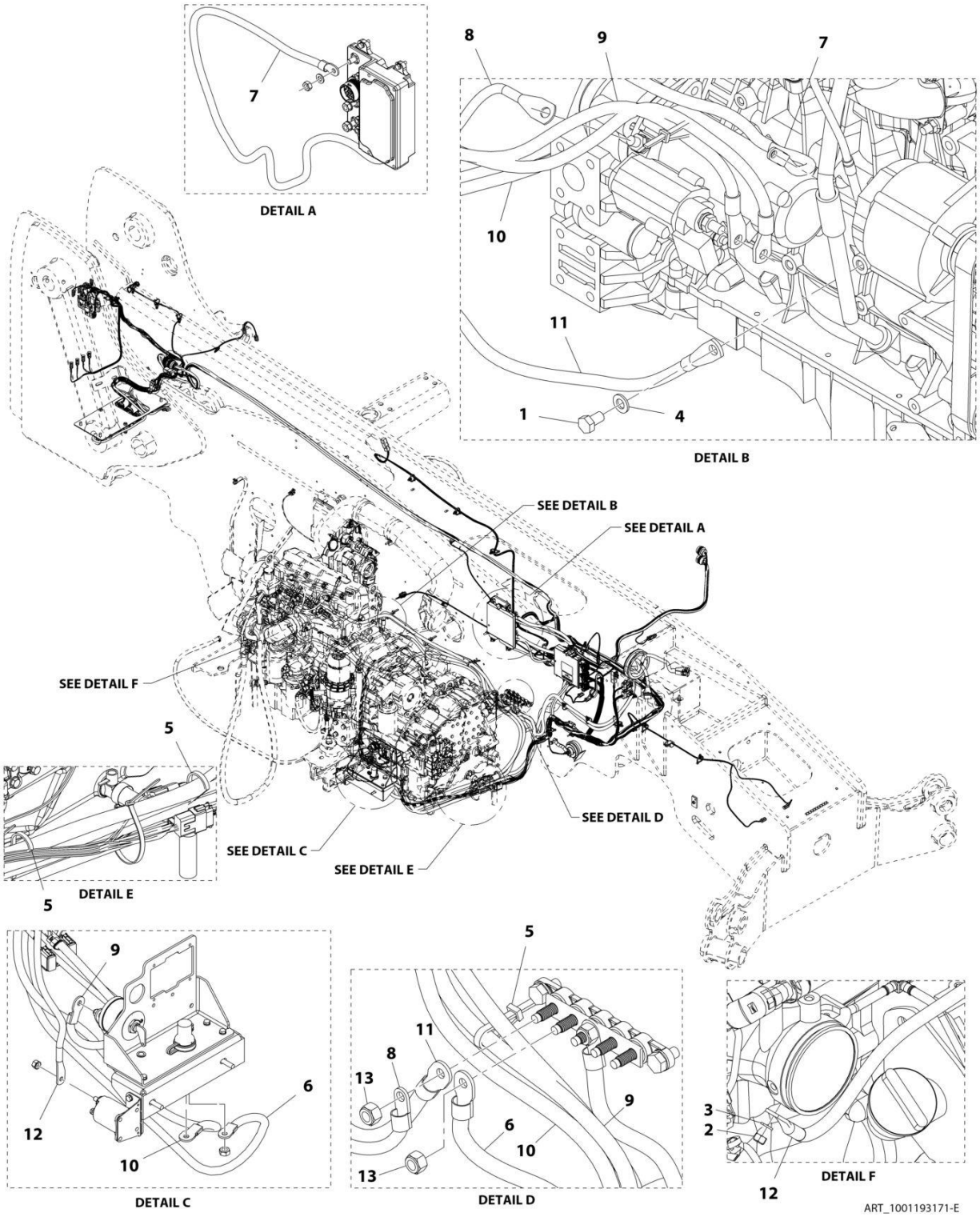


FIGURE 10-52. ENGINE BAY - WIRING INSTALLATION (LS)

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 10-53. ENGINE/CHASSIS HARNESS (ULS)

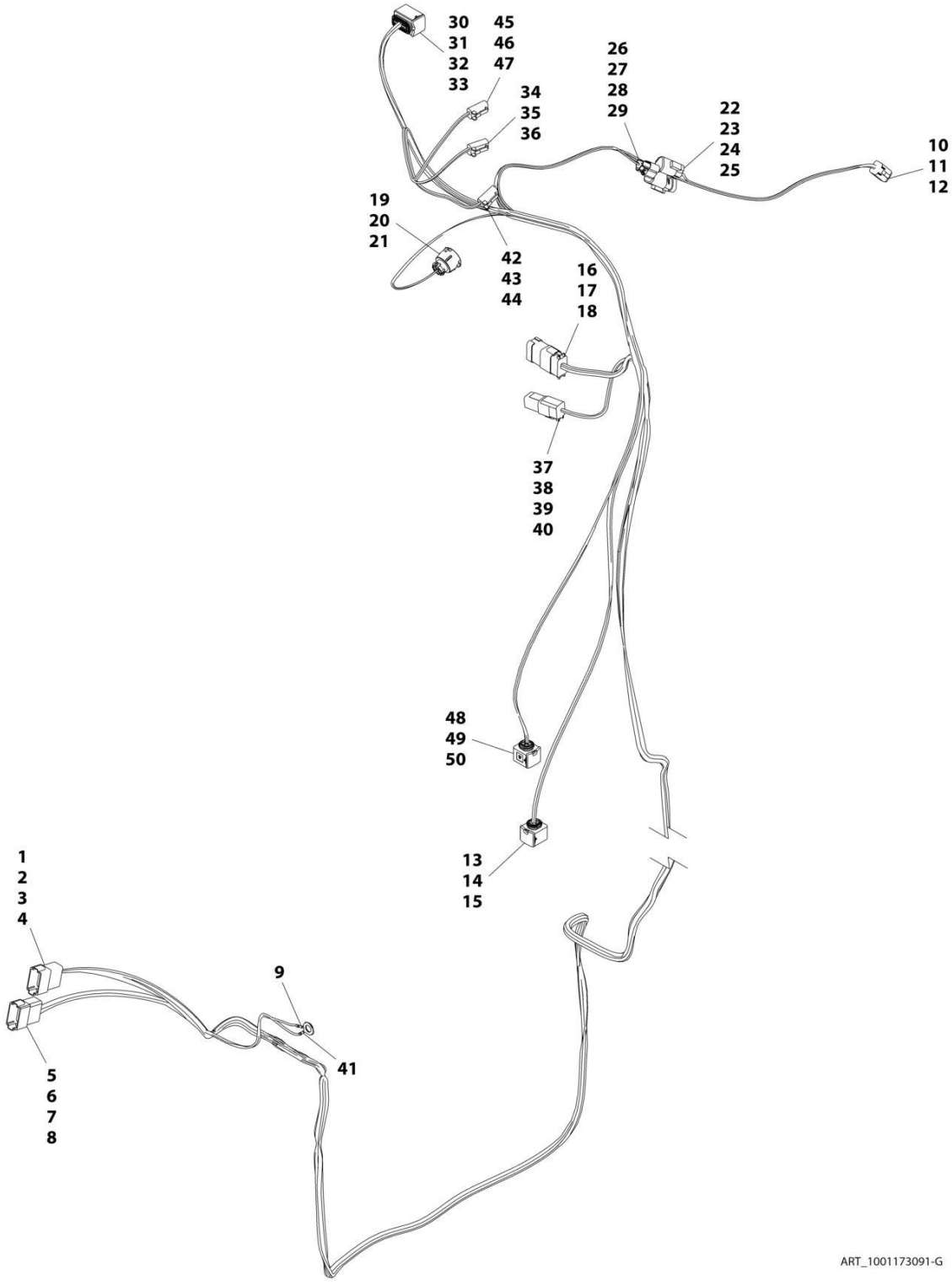


FIGURE 10-53. ENGINE/CHASSIS HARNESS (ULS)

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	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001137578	4	Seal, Terminal	

FIGURE 10-54. ENGINE - ECU INSTALLATION (ULS)

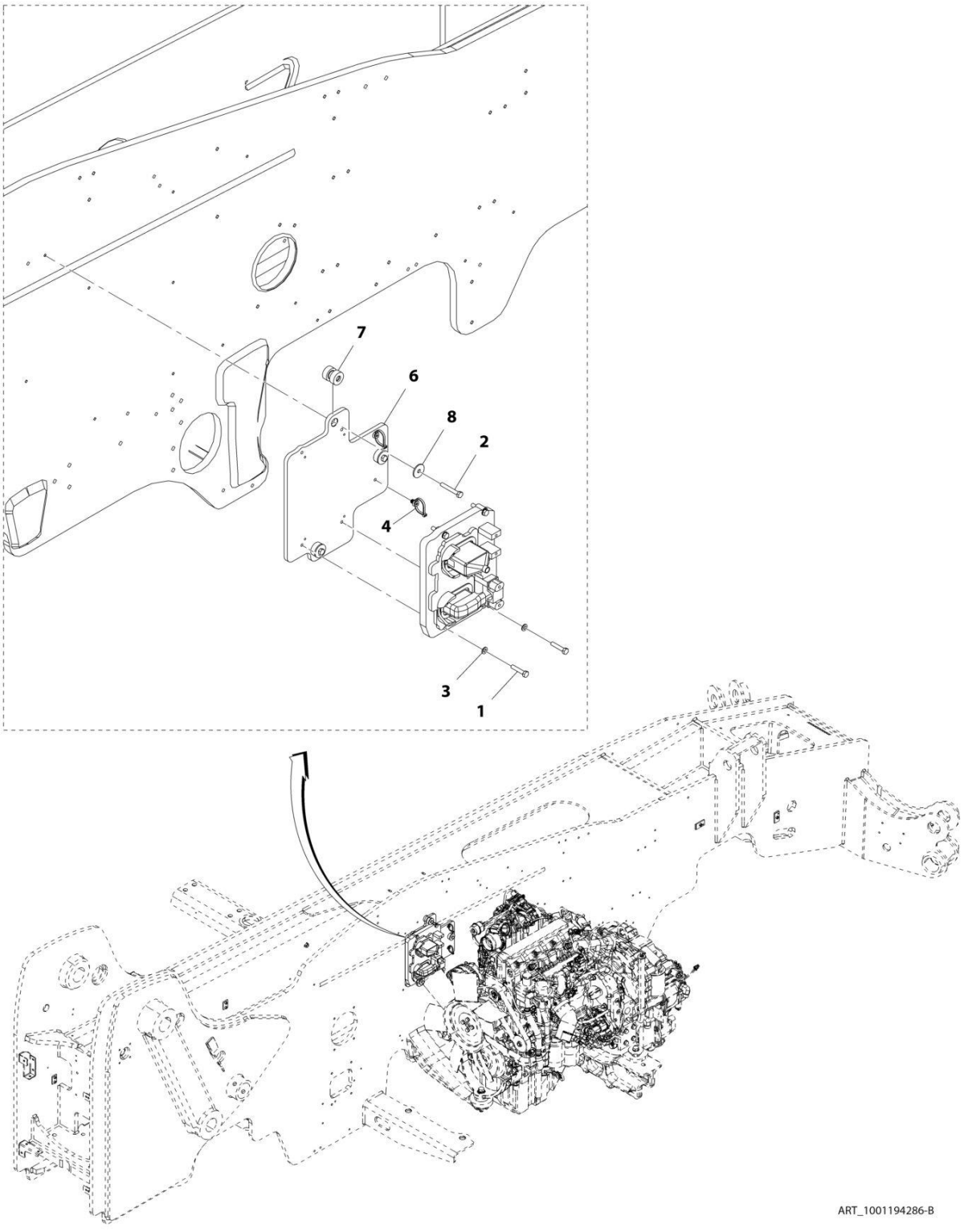


FIGURE 10-54. ENGINE - ECU INSTALLATION (ULS)

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 10-55. ENGINE - ECU INSTALLATION (LS)

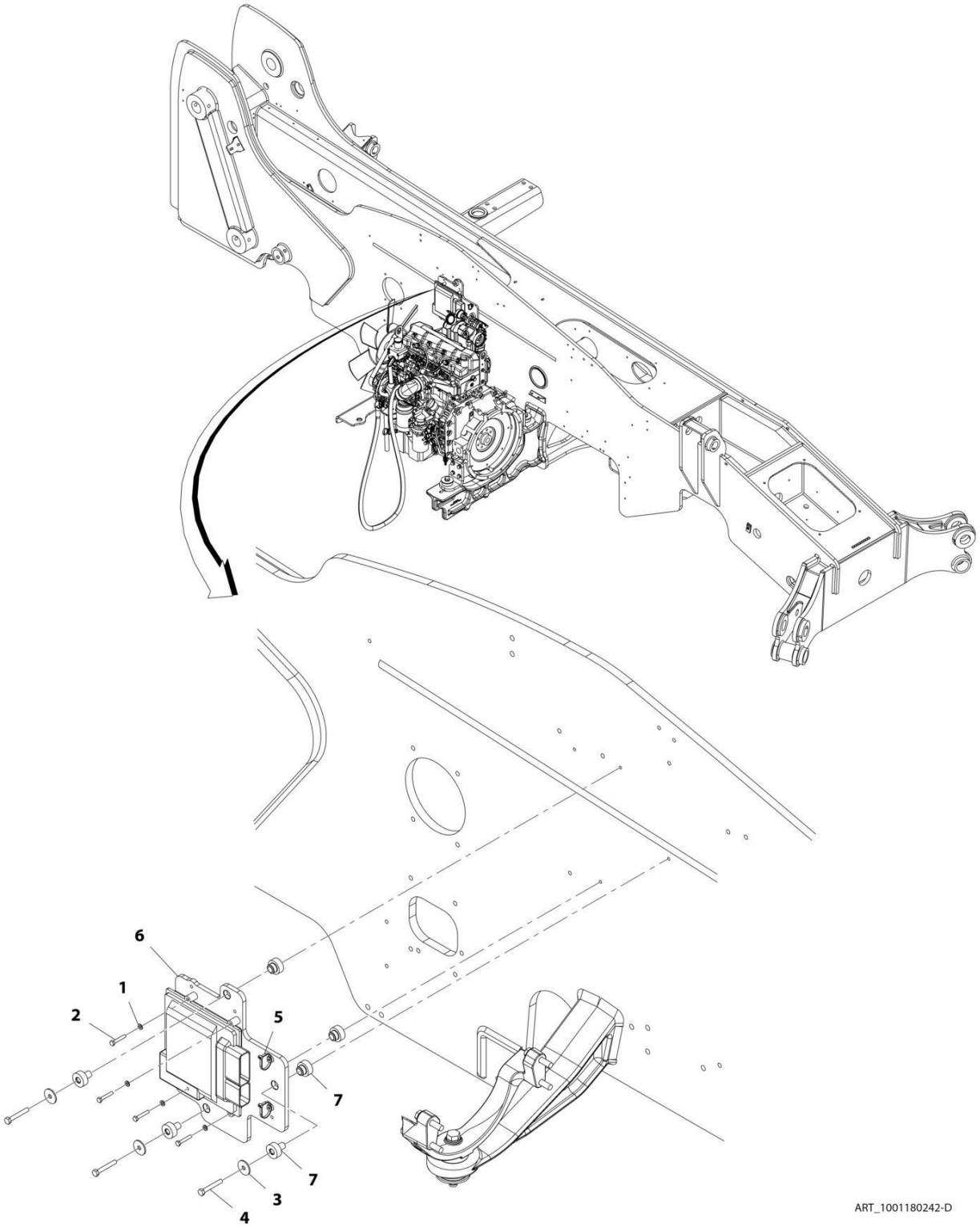


FIGURE 10-55. ENGINE - ECU INSTALLATION (LS)

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 10-56. ENGINE TBAP HARNESS



FIGURE 10-56. 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 10-57. FRAME - ELECTRICAL INSTALLATION

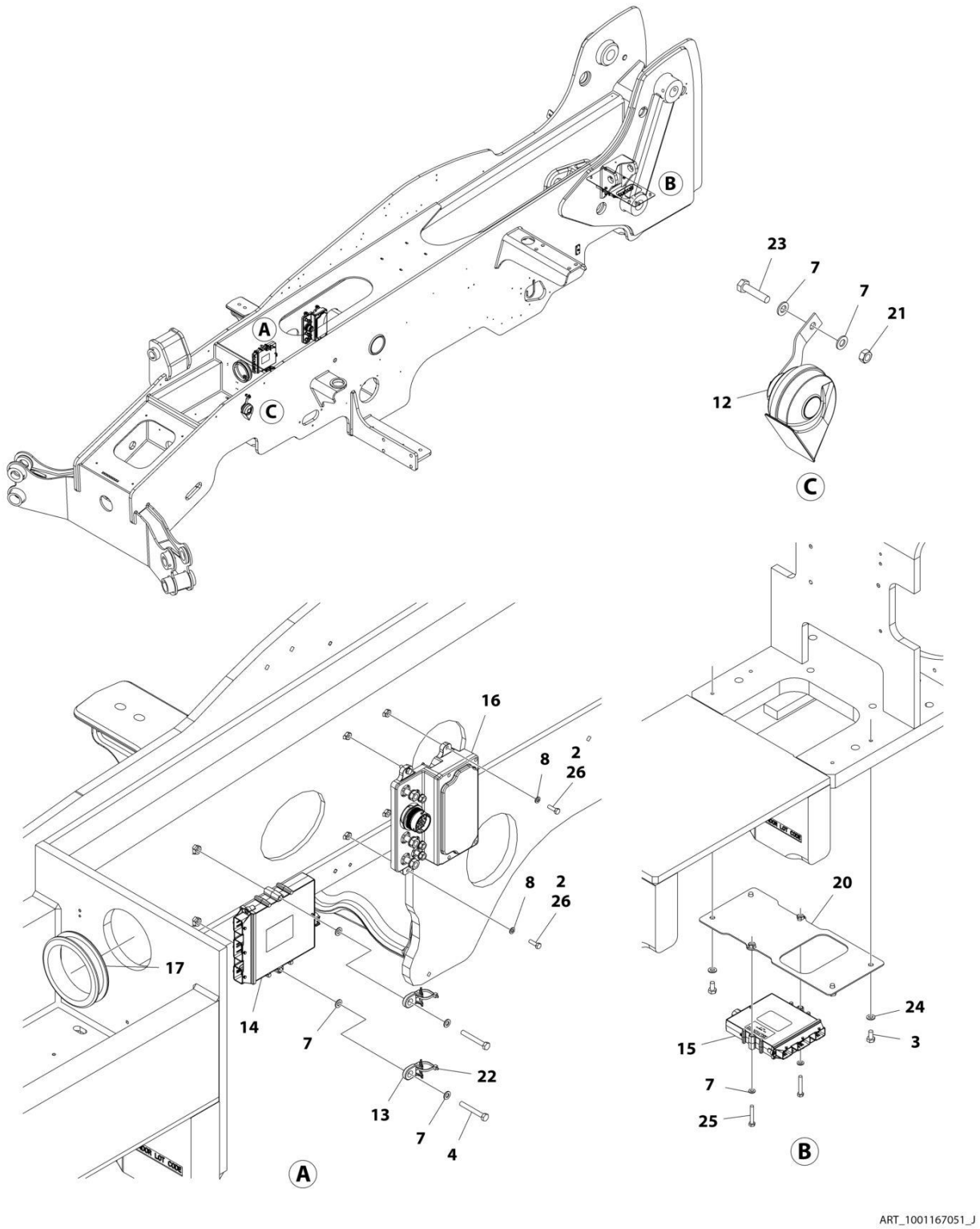


FIGURE 10-57. FRAME - ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167051	Ref	Electrical Frame Installation	J
2	0700610	4	Bolt, M6X20	
3	0761010	4	Bolt, M10X20	
4	0700820	2	Bolt, M8X60	
7	4811900	8	Washer, M8	
8	4811700	4	Washer, M6	
12	10713707	1	Horn	
13	1001169146	2	Mount	
14	1001162253	1	Module, Front Frame Control	
15	1001162256	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, M8X1.25	
22	1001008559	2	Strap, Cable	
23	0760815	1	Bolt, M8X35	
24	4812000	4	Washer, M10	
25	0700818	2	Bolt, M8X50	
26	1001180620	AR	Locking, Compound	

FIGURE 10-58. FRAME - POWER DISTRIBUTION BOX

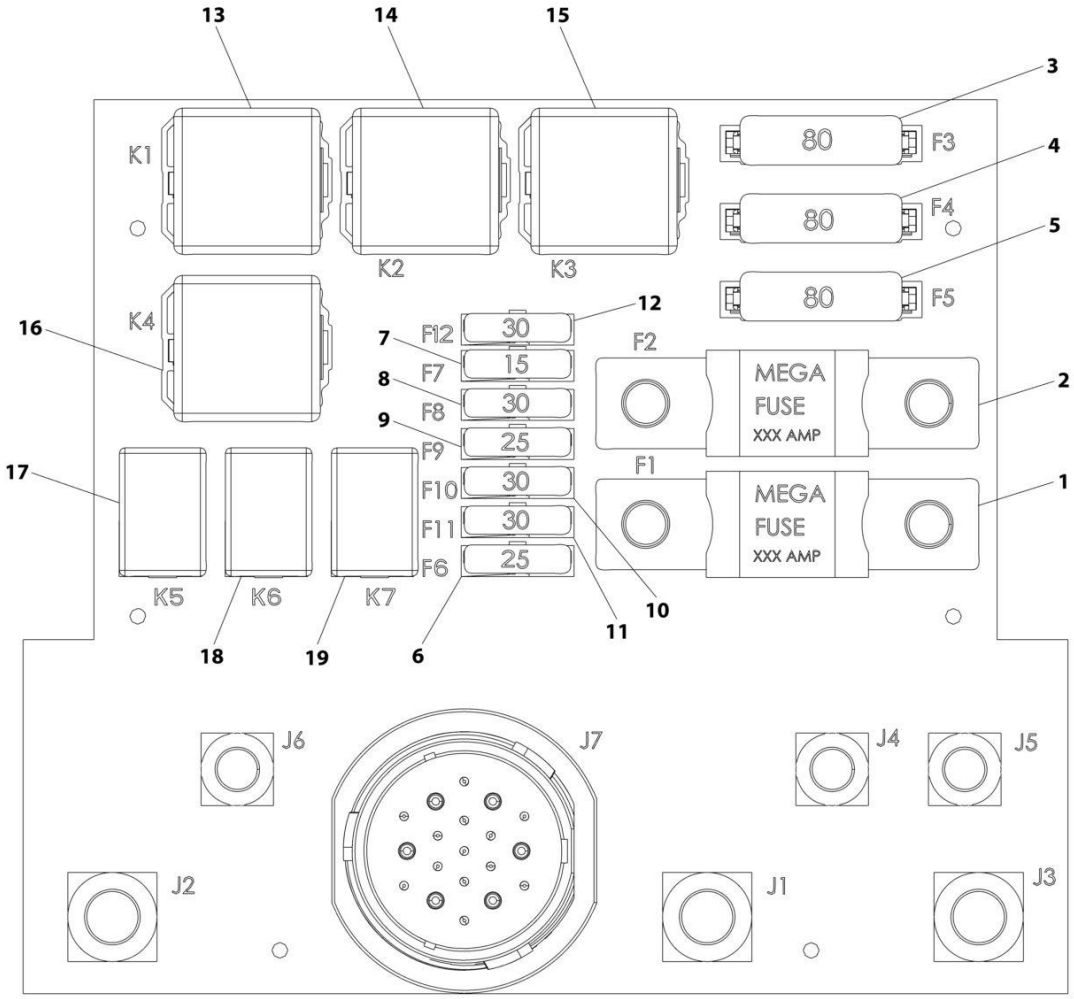


FIGURE 10-58. FRAME - POWER DISTRIBUTION BOX

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 10-59. FRAME - WIRING INSTALLATION (ULS)

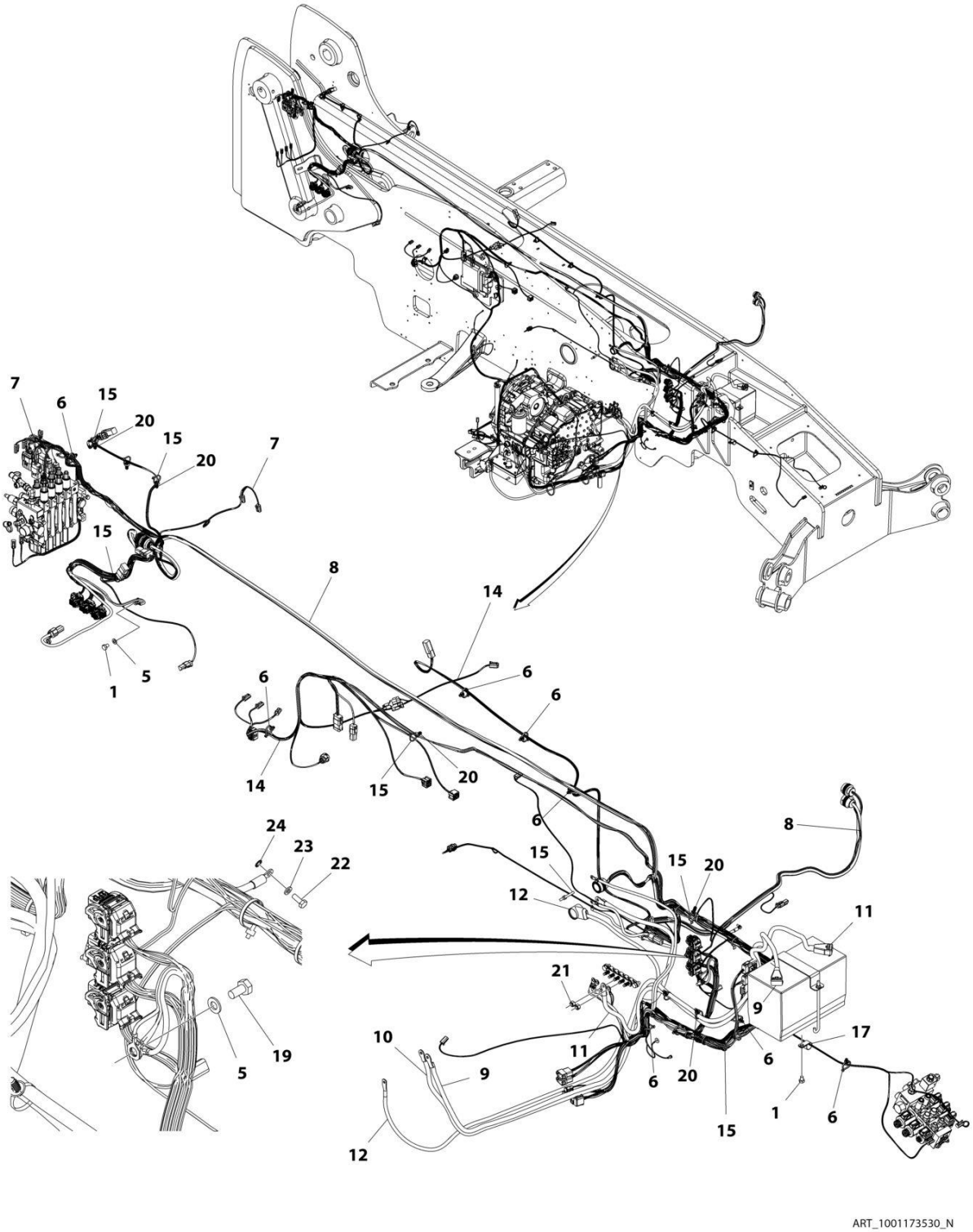


FIGURE 10-59. FRAME - WIRING INSTALLATION (ULS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173530	Ref	Frame Wiring Installation (ULS)	N
1	0761007	2	Bolt, M10X14	
5	4812000	2	Washer, M10	
6	1001146588	14	Strap, Fir Tree Cable Tie	
7	1001259126	1	Harness, Rear Frame (See Separate Breakdown in this Section)	
8	1001262600	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	
18	3290601	1	Nut, M6X1	
19	0761010	1	Bolt, M10X20	
20	1001202986	9	Strap, Fir Tree Push Mount	
21	3291005	2	Nut, Lock M10X1.5	
22	0760608	1	Bolt, M6X16	
23	4811700	1	Washer M6	
24	4871700	1	Washer M6	

FIGURE 10-60. FRAME - WIRING INSTALLATION (LS)

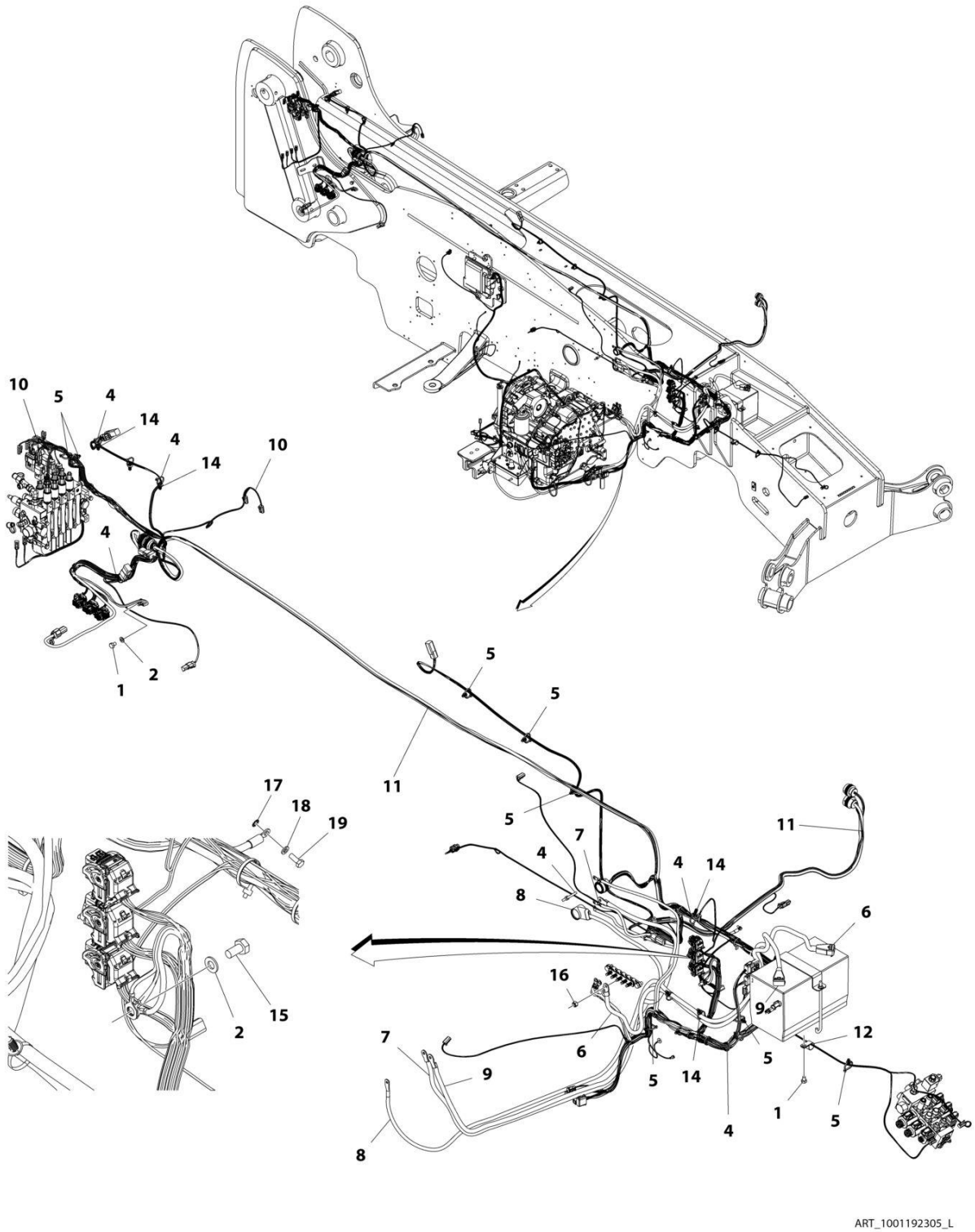
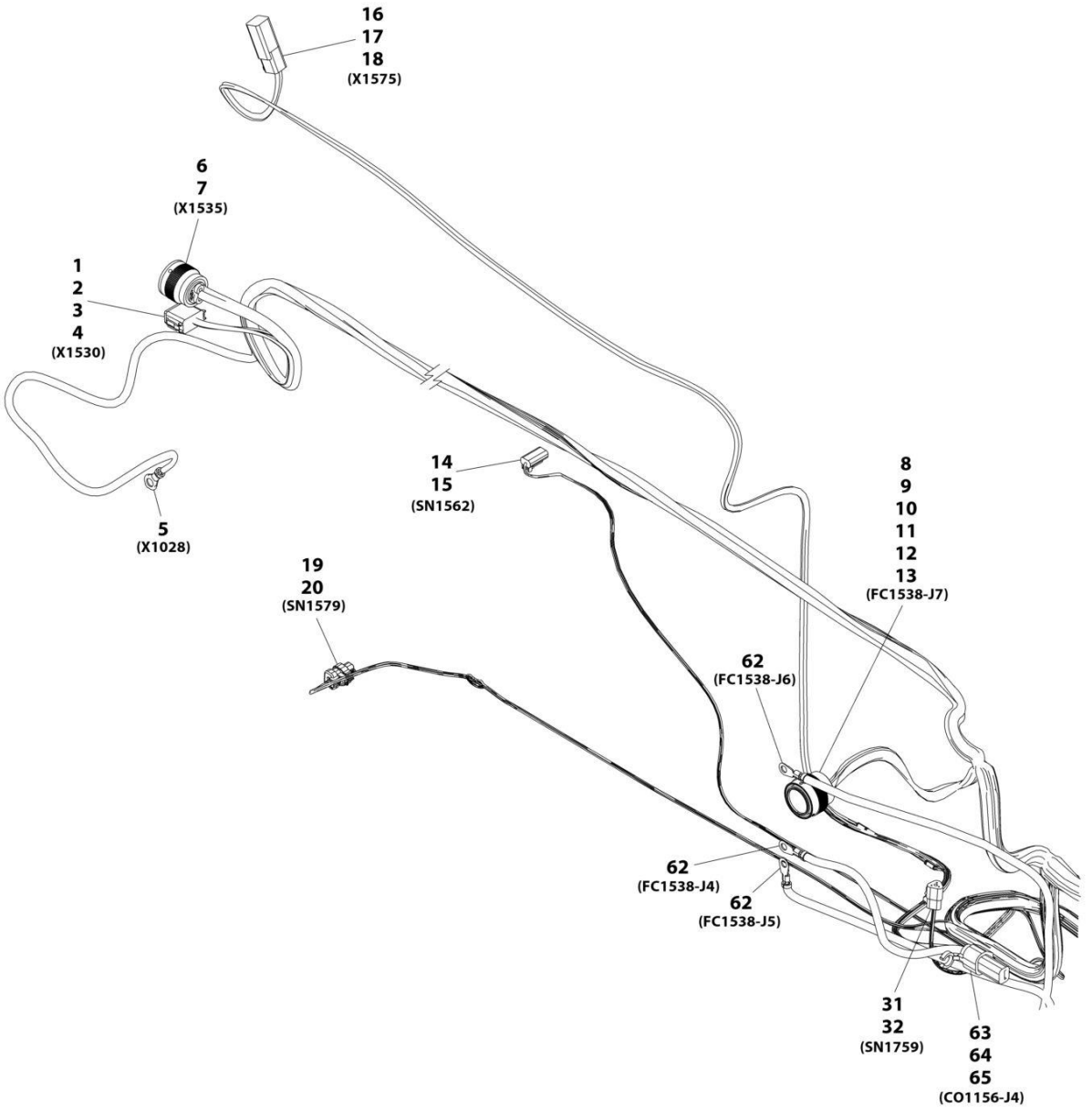
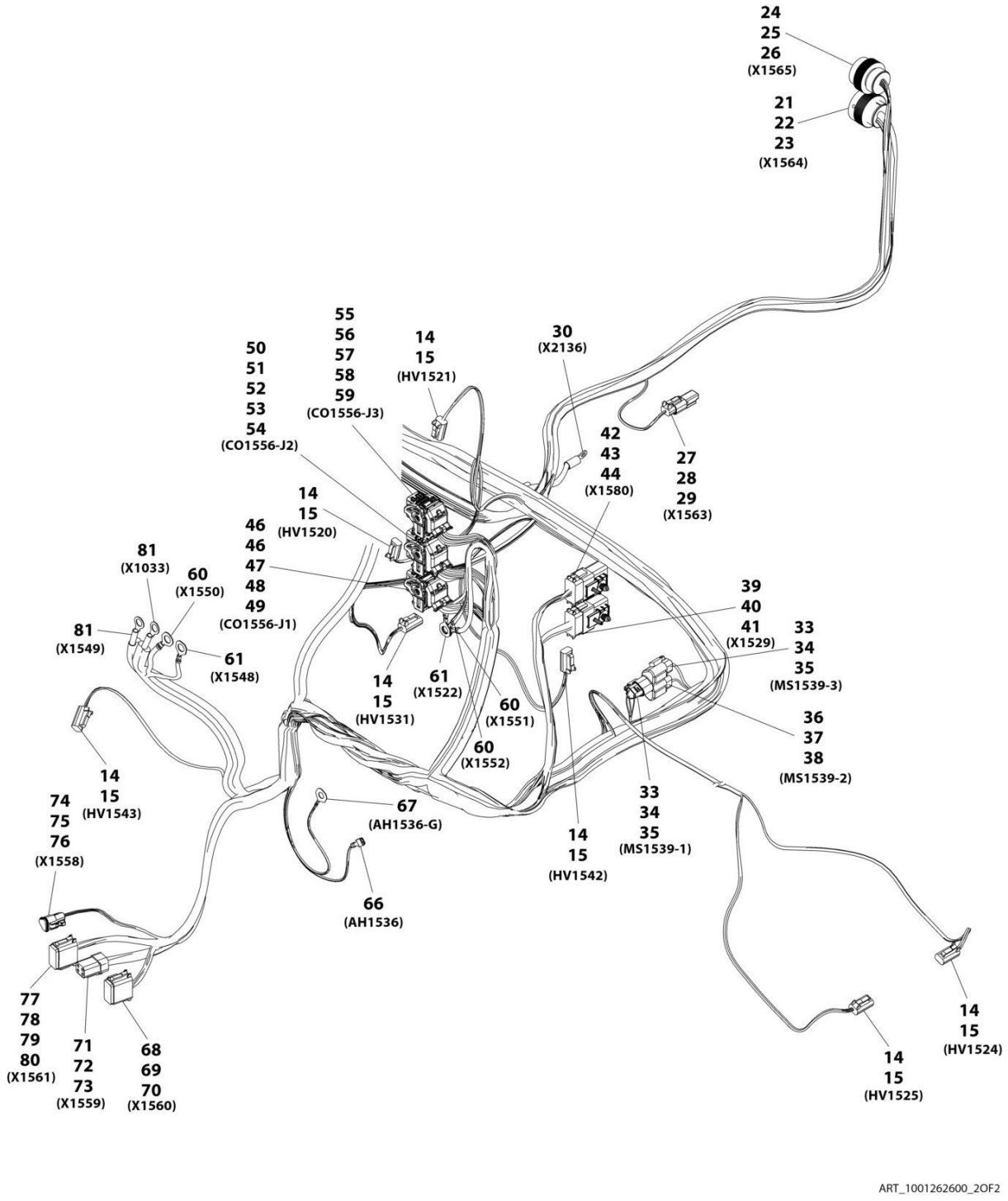


FIGURE 10-60. FRAME - WIRING INSTALLATION (LS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192305	Ref	Frame Wiring Installation (LS)	L
1	0761007	2	Bolt, M10X14	
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	1001259126	1	Harness, Rear Frame (See Separate Breakdown in this Section)	
11	1001262600	1	Harness, Front Frame (See Separate Breakdown in this Section)	
12	8406201	1	Clip, Wire and Tube	
13	3290601	1	Nut, M6X1	
14	1001202986	8	Strap, Fir Tree Push Mount	
15	0761010	1	Bolt, M10X20	
16	3291005	1	Nut, Lock M10X1.5	

FIGURE 10-61. FRAME HARNESS – FRONT





ART_1001262600_2OF2

FIGURE 10-61. FRAME HARNESS – FRONT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001262600	Ref	Harness, Front Frame	C
1	4460933	1	Connector	
2	4460465	3	Terminal	
3	4460942	2	Terminal	
4	4460466	7	Plug	
5	1001187076	1	Connector	
6	1001165310	1	Connector	
7	91013192	2	Terminal	
8	1001165309	1	Connector	
9	4460466	3	Plug	
10	4460465	7	Terminal	
11	4460942	3	Terminal	
12	4460509	2	Terminal	
13	1001150611	3	Terminal	
14	4460891	1	Connector	
15	4460465	2	Terminal	
16	4460894	1	Connector	
17	4460465	2	Terminal	
18	4460942	4	Terminal	
19	1001116950	1	Connector	
20	4460465	2	Terminal	
21	1001118323	1	Connector	
22	4460942	4	Terminal	
23	91013192	2	Terminal	
24	4461015	1	Connector	
25	4460465	7	Terminal	
26	4460466	7	Plug	
27	4460891	1	Connector	
28	4460942	1	Terminal	
29	4460465	1	Terminal	
30	8220116	1	Connector	
31	4460539	1	Connector	
32	4460465	3	Plug	
33	1001116812	1	Connector	
34	4460944	2	Terminal	
35	4460466	1	Plug	
36	4460539	1	Connector	
37	4460944	2	Terminal	
38	4460466	1	Terminal	
39	4460933	1	Connector	
40	4460942	10	Terminal	
41	4460466	2	Terminal	
42	4460836	1	Connector	
43	4460465	7	Terminal	
44	4460466	5	Terminal	
45	1001161957	1	Connector	
46	1001161097	19	Terminal	
47	1001161100	5	Plug	
48	1001161101	7	Plug	
49	1001161099	1	Terminal	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001161963	1	Connector	
51	1001161097	17	Terminal	
52	1001161100	23	Plug	
53	1001161099	6	Terminal	
54	1001161101	2	Plug	
55	1001160500	1	Connector	
56	1001161100	14	Plug	
57	1001161097	10	Terminal	
58	1001161099	7	Terminal	
59	1001161101	1	Plug	
60	1001187080	1	Connector	
61	1001187079	1	Connector	
62	1001187075	1	Connector	
63	1001160509	1	Connector	
64	1001160510	1	Terminal	
65	1001175267	1	Seal	
66	8220051	1	Connector	
67	1001187073	1	Connector	
68	4460933	1	Connector	
69	4460465	9	Terminal	
70	4460466	3	Plug	
71	1001116810	1	Connector	
72	4460509	1	Terminal	
73	1001150611	3	Terminal	
74	1001116812	1	Connector	
75	4460465	2	Terminal	
76	4460466	1	Plug	
77	4460836	1	Connector	
78	4460942	1	Terminal	
79	4460465	10	Terminal	
80	4460466	1	Terminal	
81	1001128127	1	Connector	

FIGURE 10-62. FRAME HARNESS - REAR

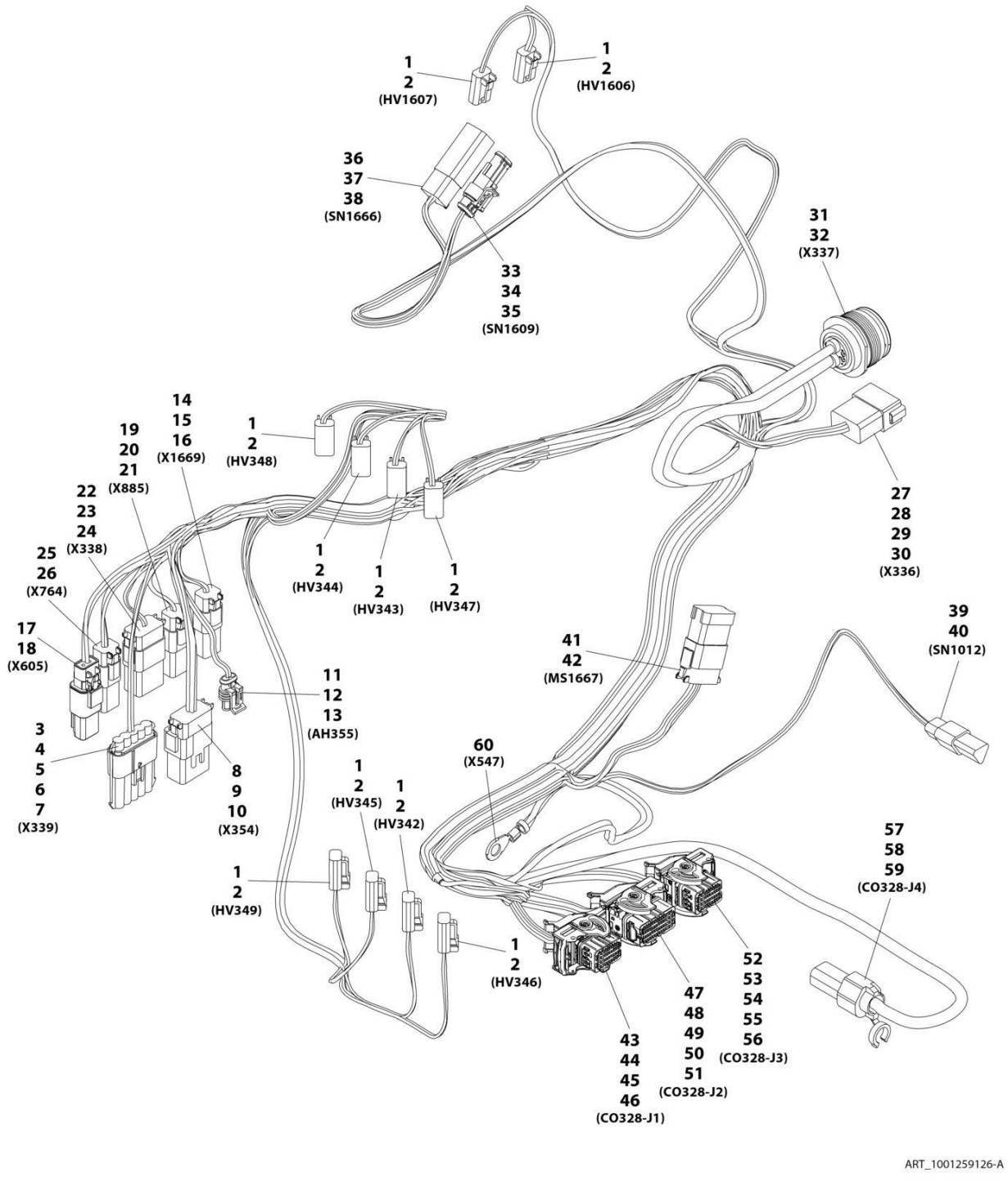


FIGURE 10-62. FRAME HARNESS - REAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259126	Ref	Rear Frame Harness	A
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	4460465	10	Terminal	
10	4460466	2	Plug	
11	4461118	1	Connector	
12	1001107854	2	Terminal	
13	1001116763	2	Seal	
14	4460884	1	Connector	
15	4460465	3	Terminal	
16	4460466	1	Plug	
17	4461018	1	Connector	
18	4460509	1	Terminal	
19	4460884	1	Connector	
20	4460465	2	Terminal	
21	4460466	2	Plug	
22	4460930	1	Connector	
23	4460466	6	Plug	
24	4460465	2	Terminal	
25	4460884	1	Connector	
26	4460465	4	Terminal	
27	4460970	1	Connector	
28	4460464	4	Terminal	
29	4460941	1	Terminal	
30	4460466	7	Plug	
31	1001165311	1	Connector	
32	91013191	2	Terminal	
33	4461262	1	Connector	
34	1001107854	3	Terminal	
35	1001114498	3	Seal	
36	4460894	1	Connector	
37	4460465	4	Terminal	
38	4460466	2	Plug	
39	4460539	1	Connector	
40	4460465	3	Terminal	
41	4460930	1	Connector	
42	4460984	1	Plug, 8 Pin	
43	1001161957	1	Connector	
44	1001161097	7	Terminal	
45	1001161100	17	Plug	
46	1001161101	8	Plug	
47	1001161963	1	Connector	
48	1001161097	23	Terminal	
49	1001161100	17	Plug	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001161099	5	Terminal	
51	1001161101	3	Plug	
52	1001160500	1	Connector	
53	1001161100	20	Plug	
54	1001161097	4	Terminal	
55	1001161099	7	Terminal	
56	1001161101	1	Plug	
57	1001160509	1	Connector	
58	1001160510	1	Terminal	
59	1001175267	1	Seal	
60	1001187080	1	Terminal, Ring	

FIGURE 10-63. HEATER HARNESS - CUMMINS BREATHER (ULS)

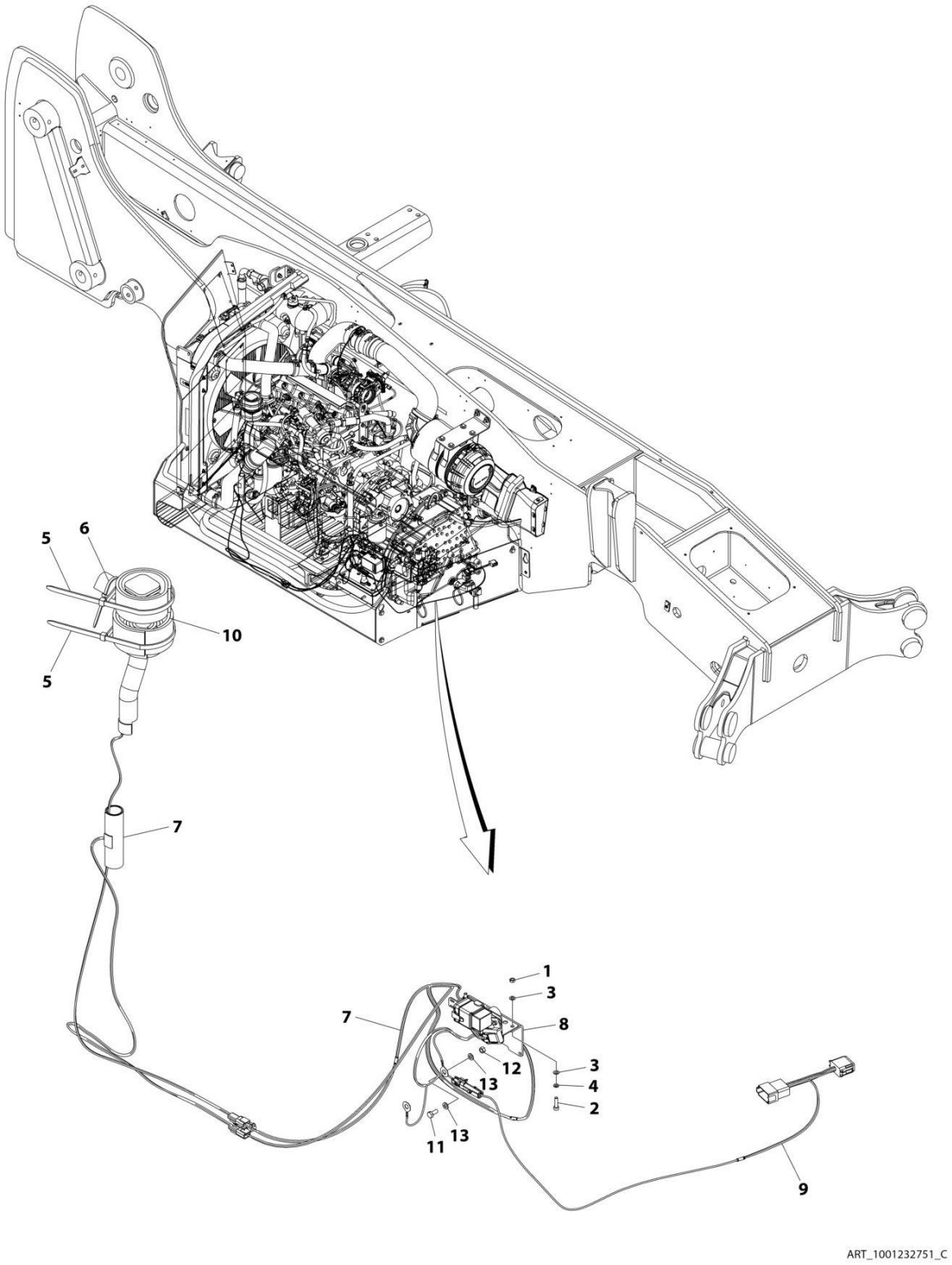


FIGURE 10-63. HEATER HARNESS - CUMMINS BREATHER (ULS)

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 10-64. HEATER HARNESS - FUEL FILTER

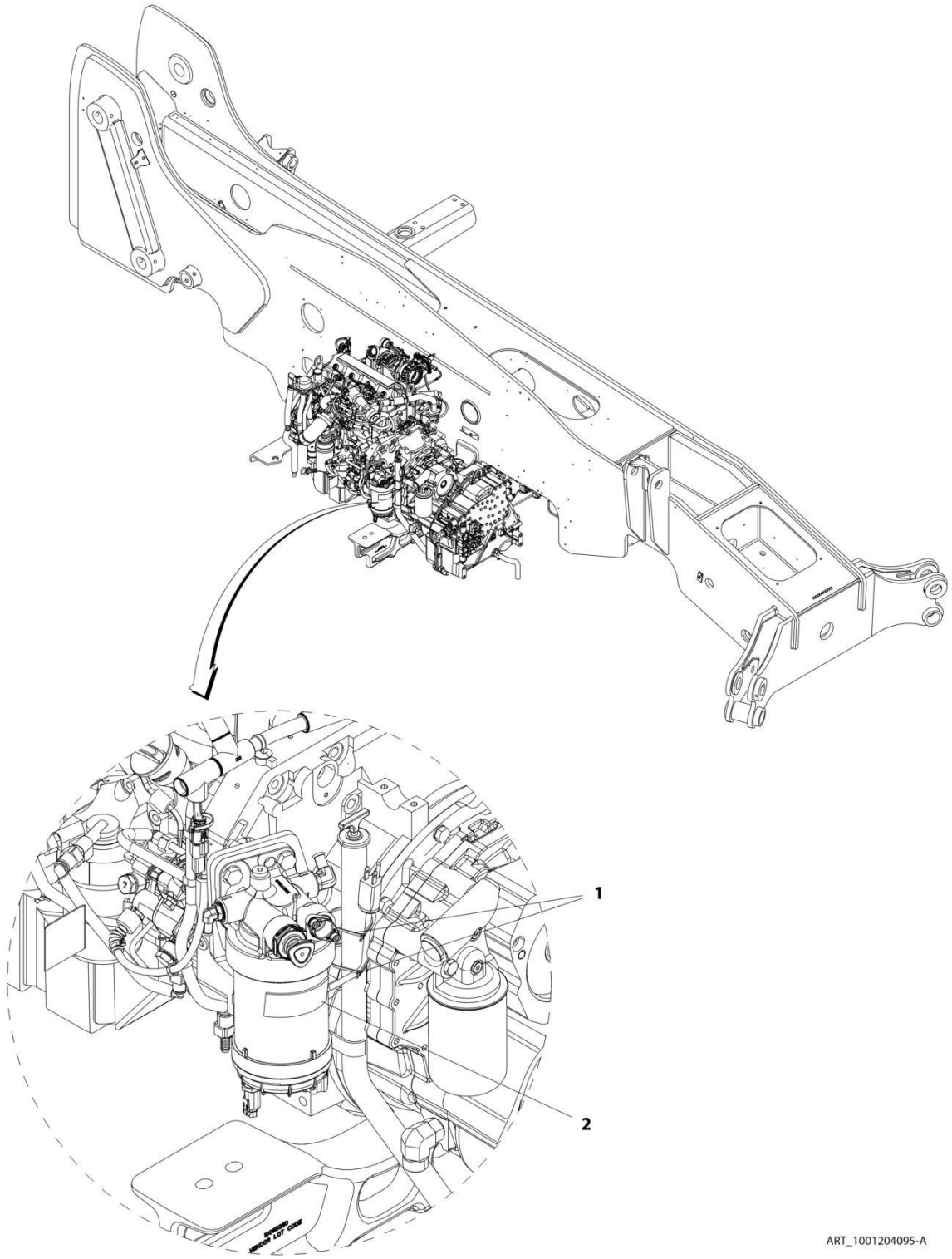


FIGURE 10-64. HEATER HARNESS - FUEL FILTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204095	Ref	Fuel Filter Heater Installation	A
1	4240099	2	Strap, Tie	
2	1001202498	1	Pad	

FIGURE 10-65. HEATER HARNESS - HYDRAULIC TANK

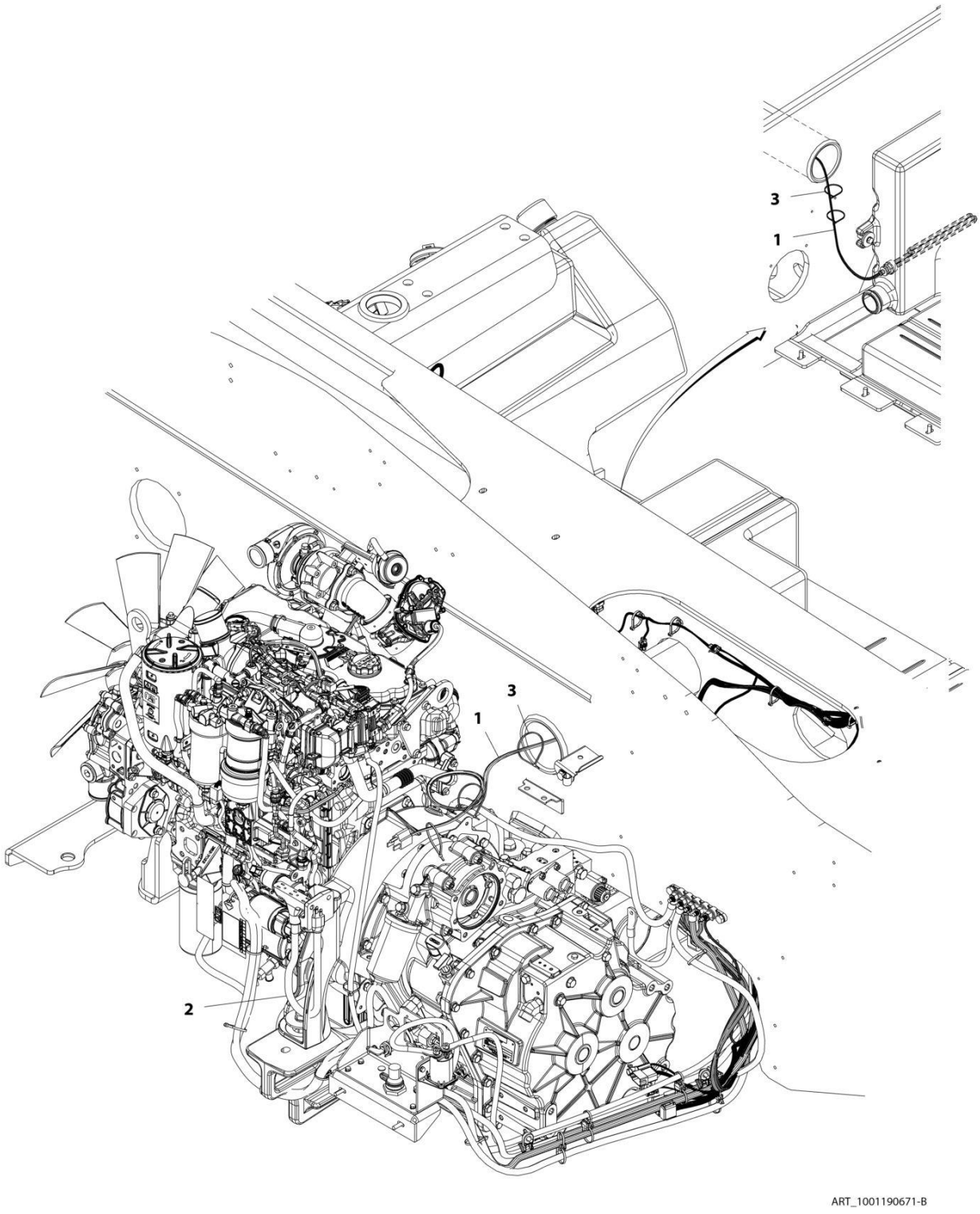


FIGURE 10-65. HEATER HARNESS - HYDRAULIC TANK

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 10-66. HVAC ACTUATOR HARNESS

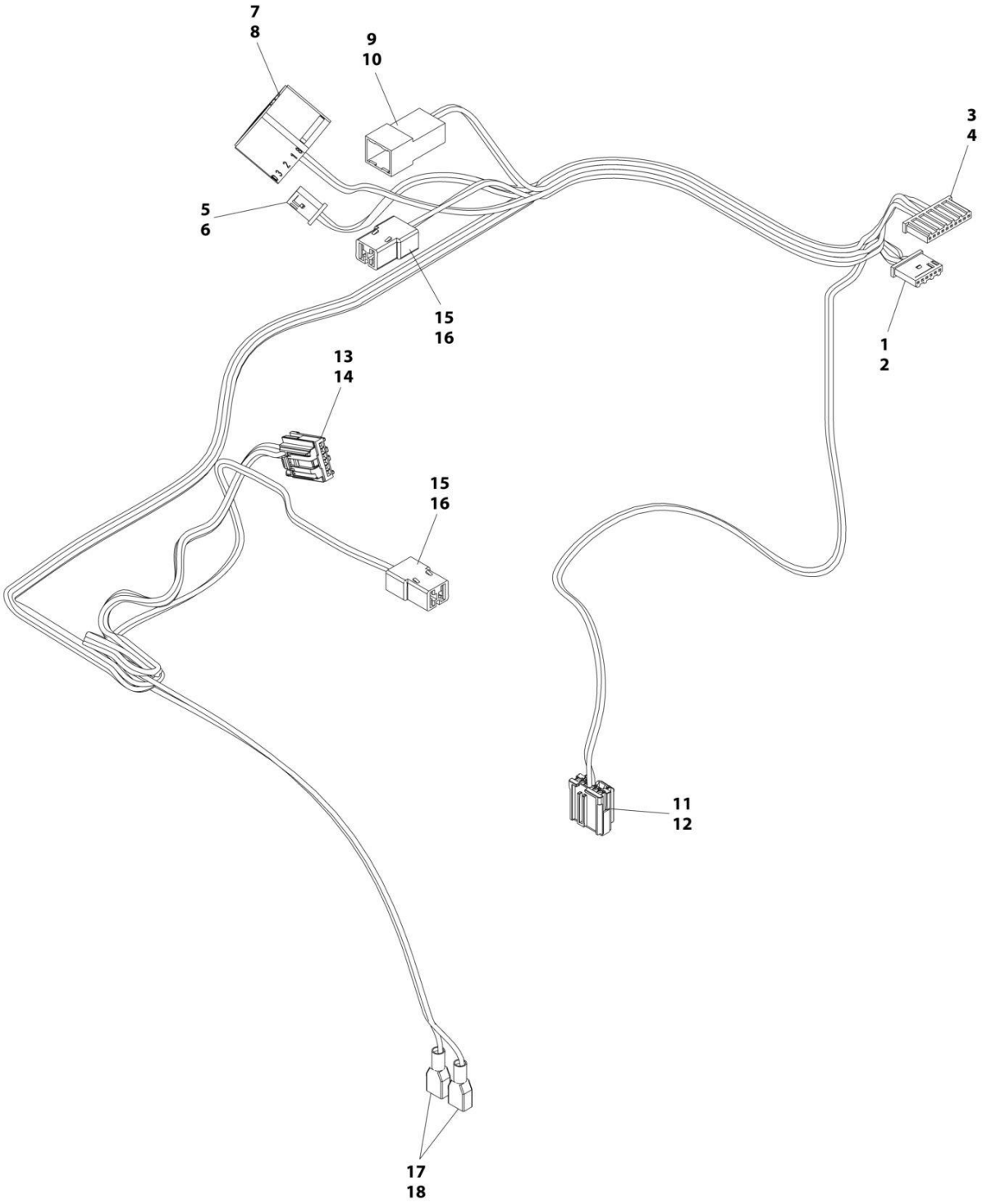


FIGURE 10-66. HVAC ACTUATOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221056	Ref	HVAC ACTUATOR HARNESS	E
		Ref	Note: No Other Service Parts Available At Time of Printing.	
1		Ref	Connector	
2		Ref	Terminal	
3		Ref	Connector	
4		Ref	Terminal	
5	1001184473	1	Connector	
6		Ref	Terminal	
7		Ref	Connector	
8		Ref	Connector	
9	1001116999	1	Connector	
10	7029668	2	Terminal	
11		Ref	Connector	
12		Ref	Terminal	
13		Ref	Connector	
14		Ref	Terminal	
15	1001116991	2	Connector	
16		Ref	Terminal	
17	8220108	2	Connector	
18		Ref	Terminal	

FIGURE 10-67. LIGHTS - BEACON INSTALLATION (LED)

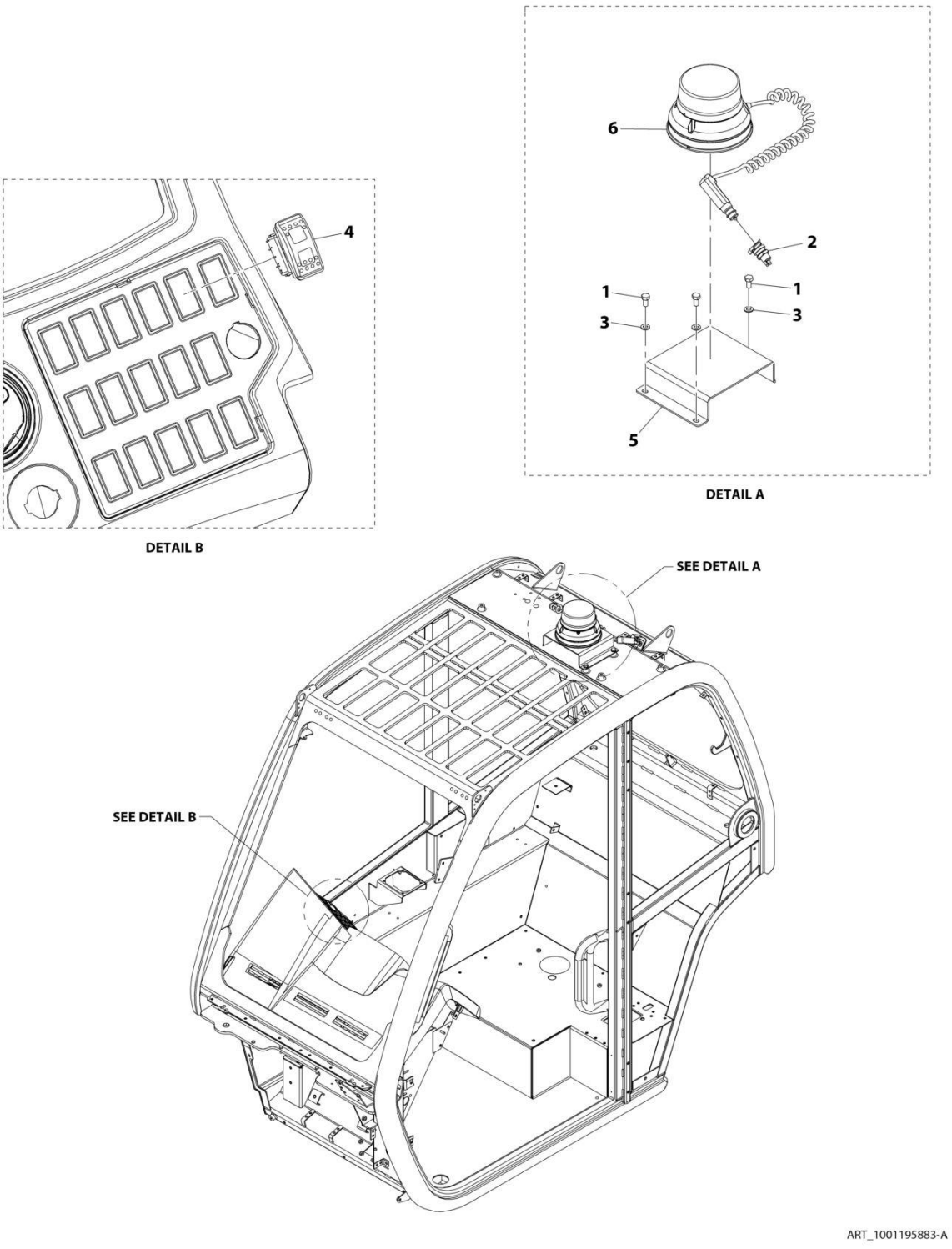


FIGURE 10-67. LIGHTS - BEACON INSTALLATION (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195883	Ref	BEACON INSTALLATION (LED)	B
1	0760808	3	Bolt M8 x 16	
2	4461174	1	Terminal	
3	4811900	3	Washer M8	
4	1001159738	1	Switch, Beacon	
5	1001174796	1	Bracket	
	1001273075	1	Light, Beacon (LED)	

FIGURE 10-68. LIGHTS - BOOM WORK LIGHTS SWITCH/HARNESS INSTALLATION (LED)

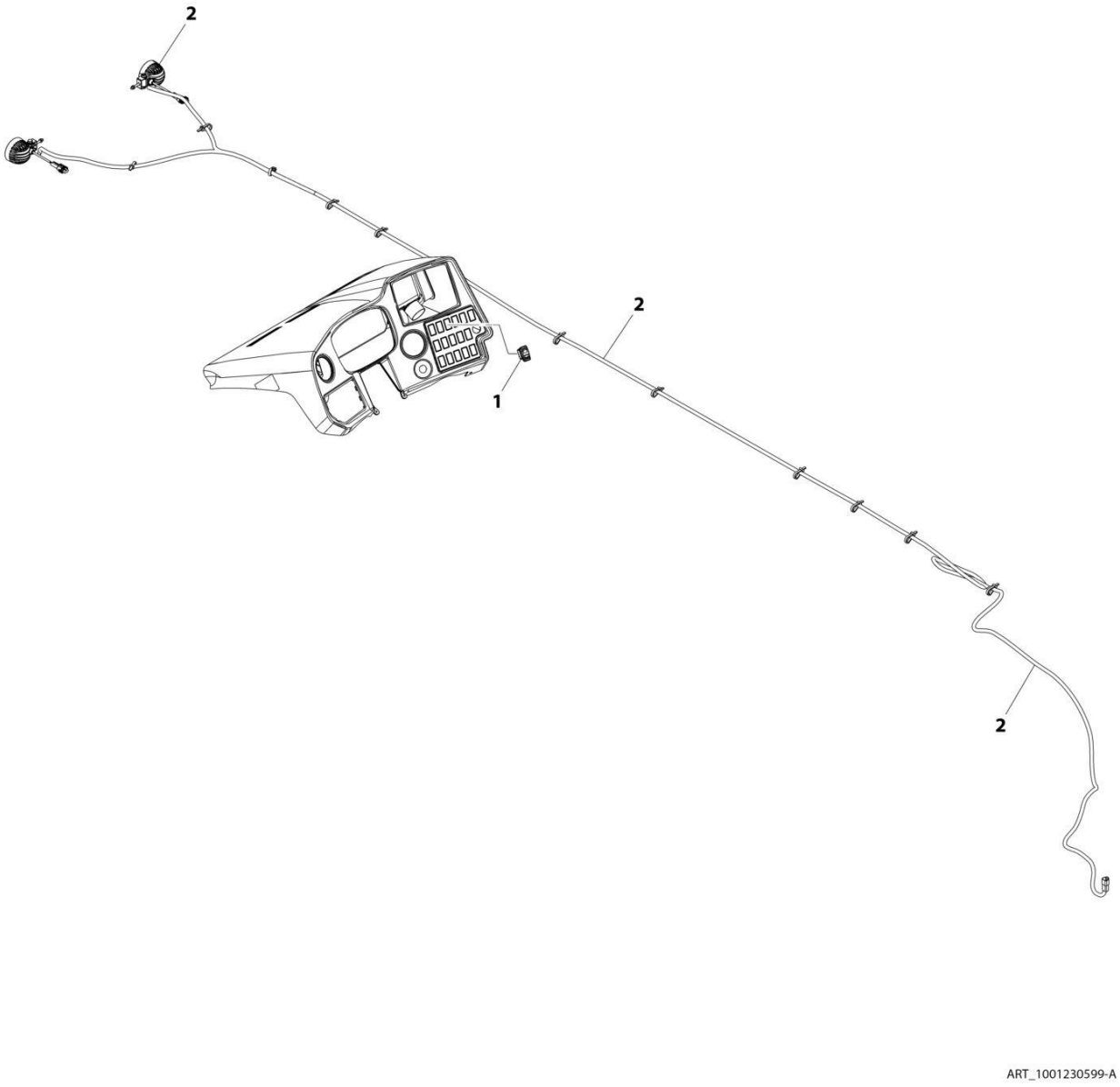


FIGURE 10-68. LIGHTS - BOOM WORK LIGHTS SWITCH/HARNESS INSTALLATION (LED)

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 10-69. LIGHTS - BOOM WORK LIGHTS HARNESS INSTALLATION (LED)

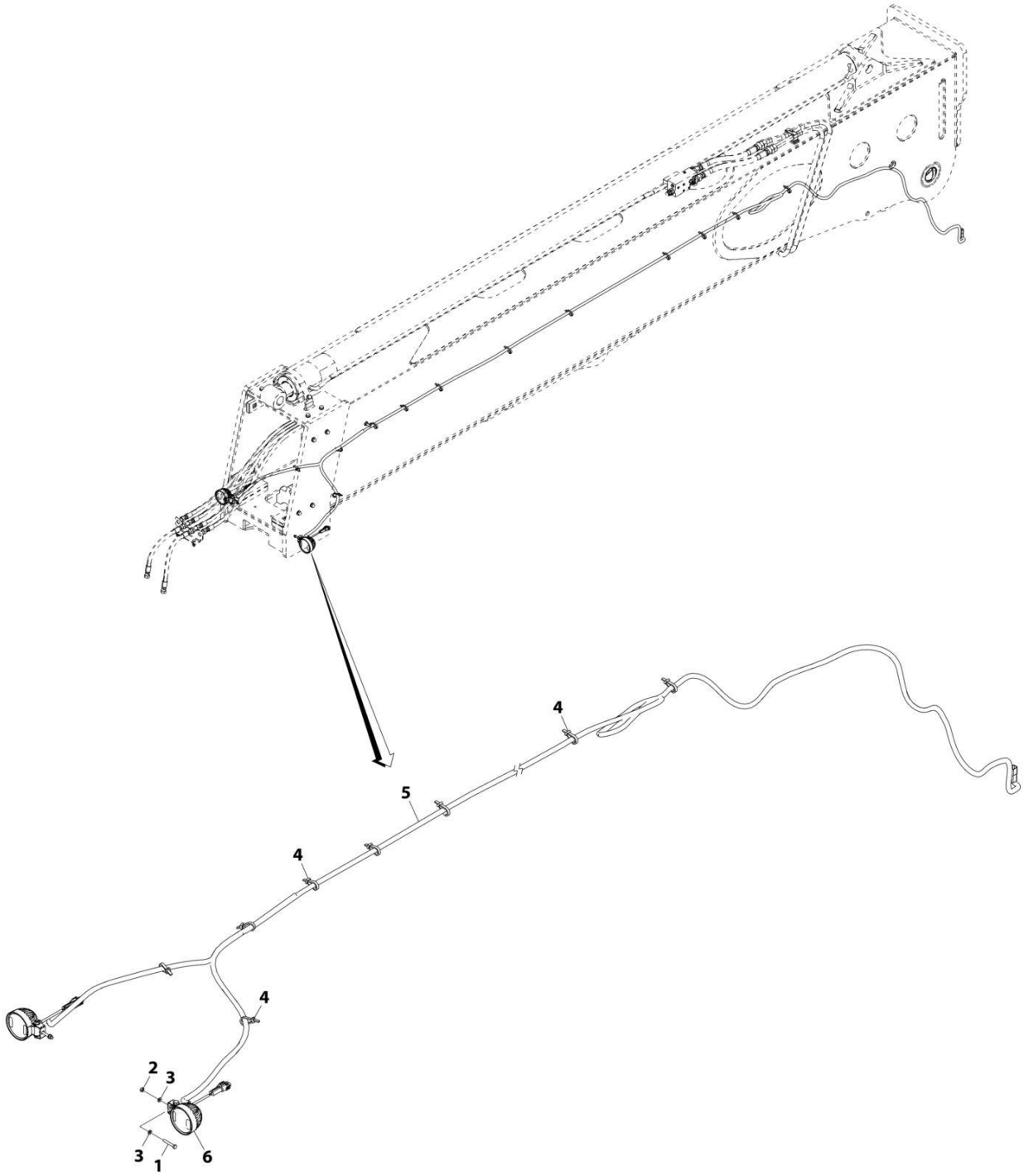


FIGURE 10-69. LIGHTS - BOOM WORK LIGHTS HARNESS INSTALLATION (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230623	Ref	Boom LED Lights Installation	A
1	0700616	2	Bolt, M6X40	
2	3290601	2	Nut, M6X1	
3	4811700	4	Washer, M6	
4	1001008923	AR	Strap, Cable	
5	1001167608	1	Harness, Boom Worklights (See Separate Breakdown in this Section)	
6	1001203640	2	Lamp, LED Work light	

FIGURE 10-70. LIGHTS - BOOM WORK LIGHTS HARNESS

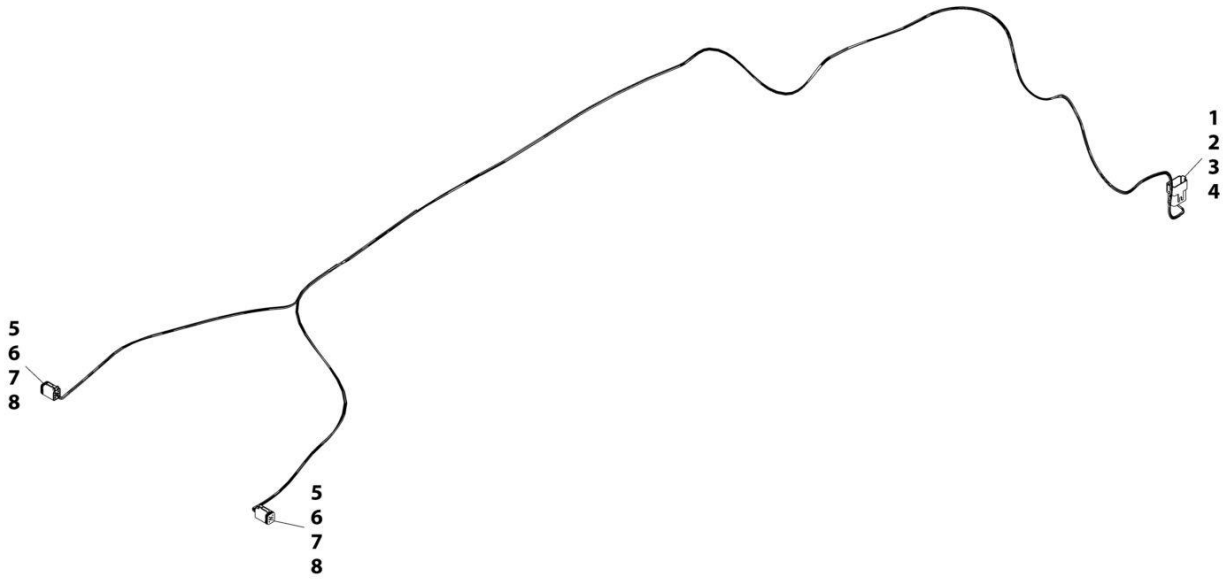
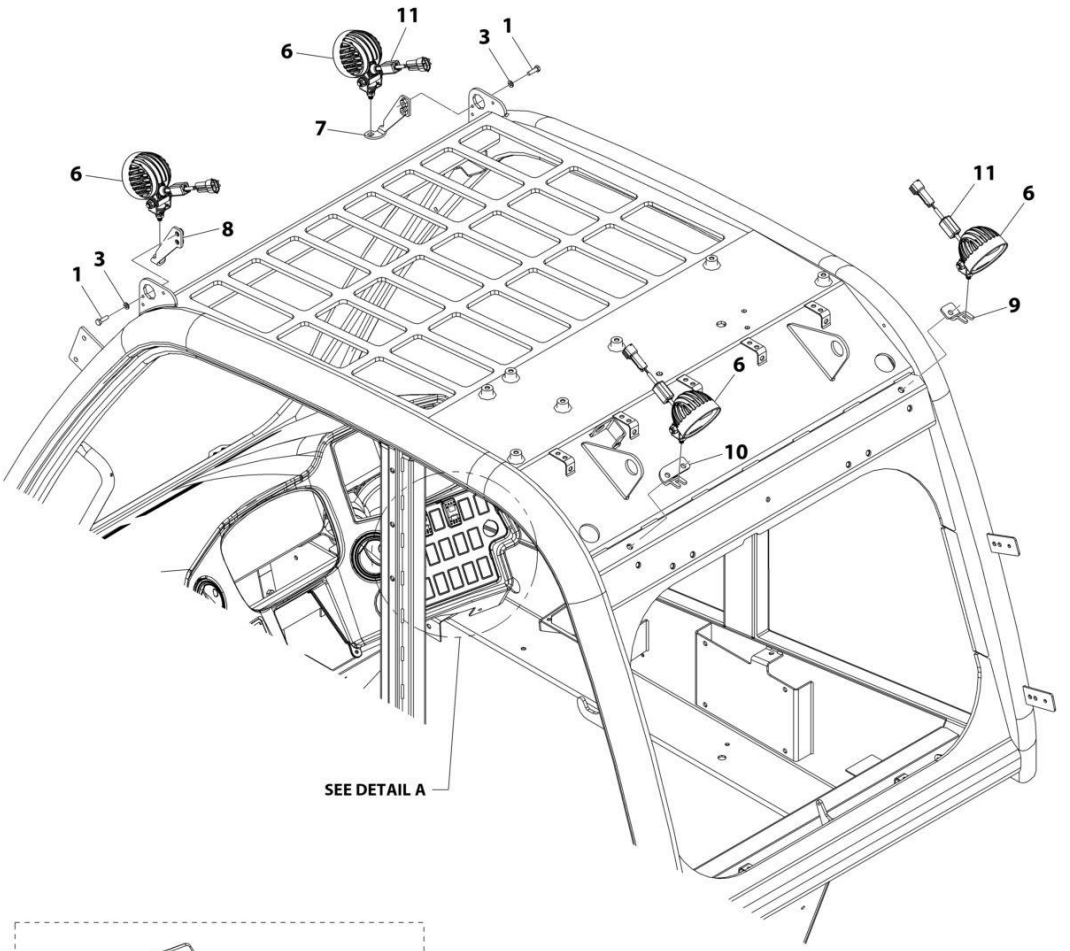
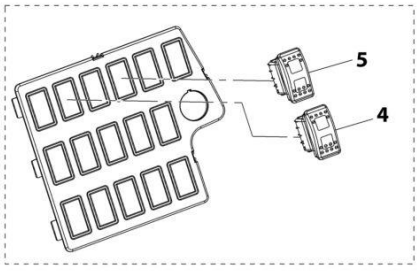


FIGURE 10-70. LIGHTS - BOOM WORK LIGHTS HARNESS

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 10-71. LIGHTS - CAB WORK LIGHTS INSTALLATION (NO A/C) (LED)





DETAIL A

ART_1001200538-D

FIGURE 10-71. LIGHTS - CAB WORK LIGHTS INSTALLATION (NO A/C) (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200538	Ref	Cab Worklights Installation (No A/C - LED)	D
1	0700610	4	Bolt, M6X20	
3	4811700	4	Washer, M6	
4	1001159845	1	Switch, Front Worklights	
5	1001159846	1	Switch, Rear Worklights	
6	1001203640	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 10-72. LIGHTS - CAB WORK LIGHTS INSTALLATION (A/C) (LED)

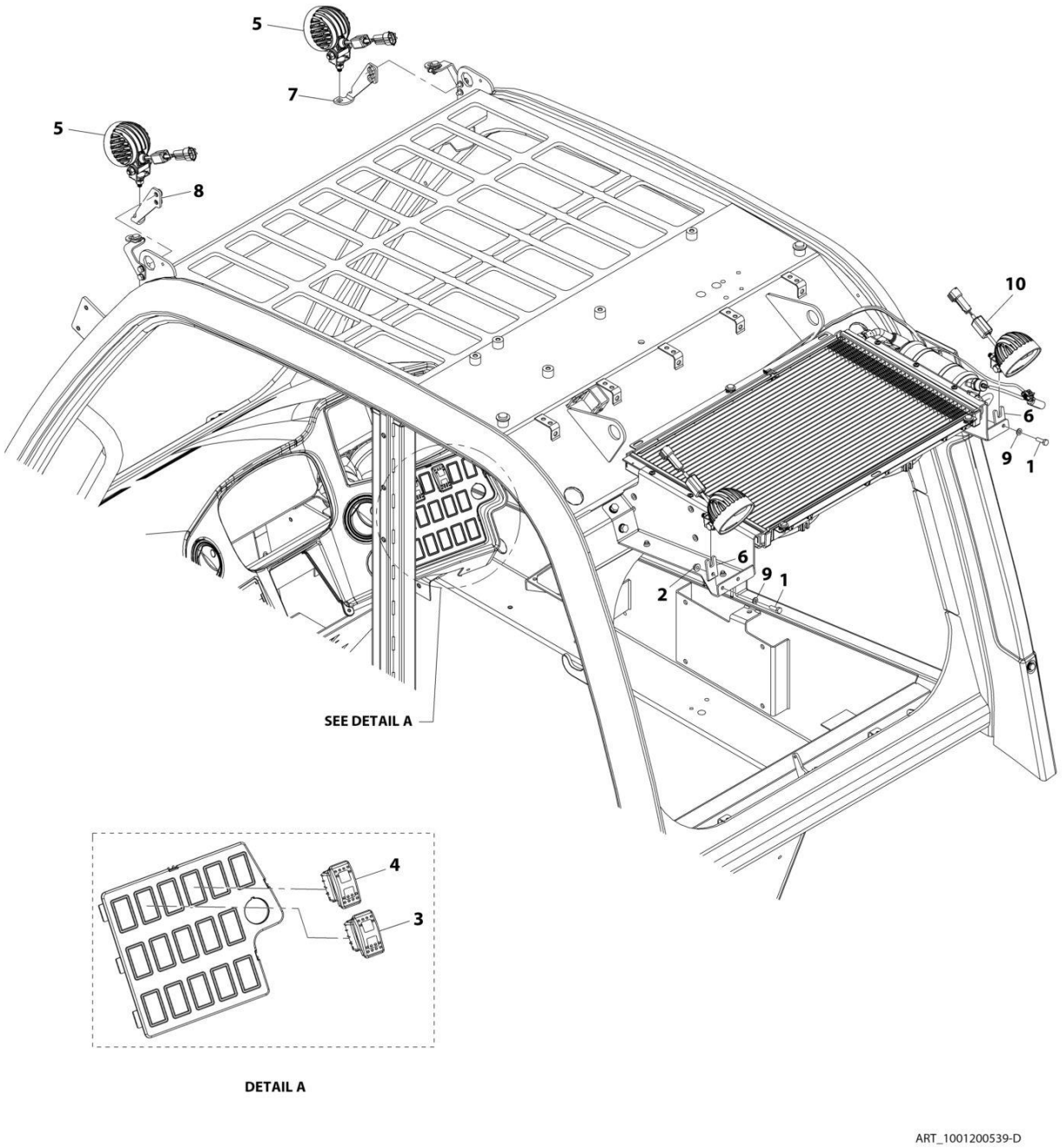


FIGURE 10-72. LIGHTS - CAB WORK LIGHTS INSTALLATION (A/C) (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200539	Ref	Cab Worklights Installation (A/C - LED)	D
1	0700610	2	Bolt, M6X20	
2	5220600	2	Nut, M6	
3	1001159845	1	Switch, Front Worklights	
4	1001159846	1	Switch, Rear Worklights	
5	1001203640	4	Lamp, LED Work Light	
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 10-73. LIGHTS - ROADLIGHTS INSTALLATION

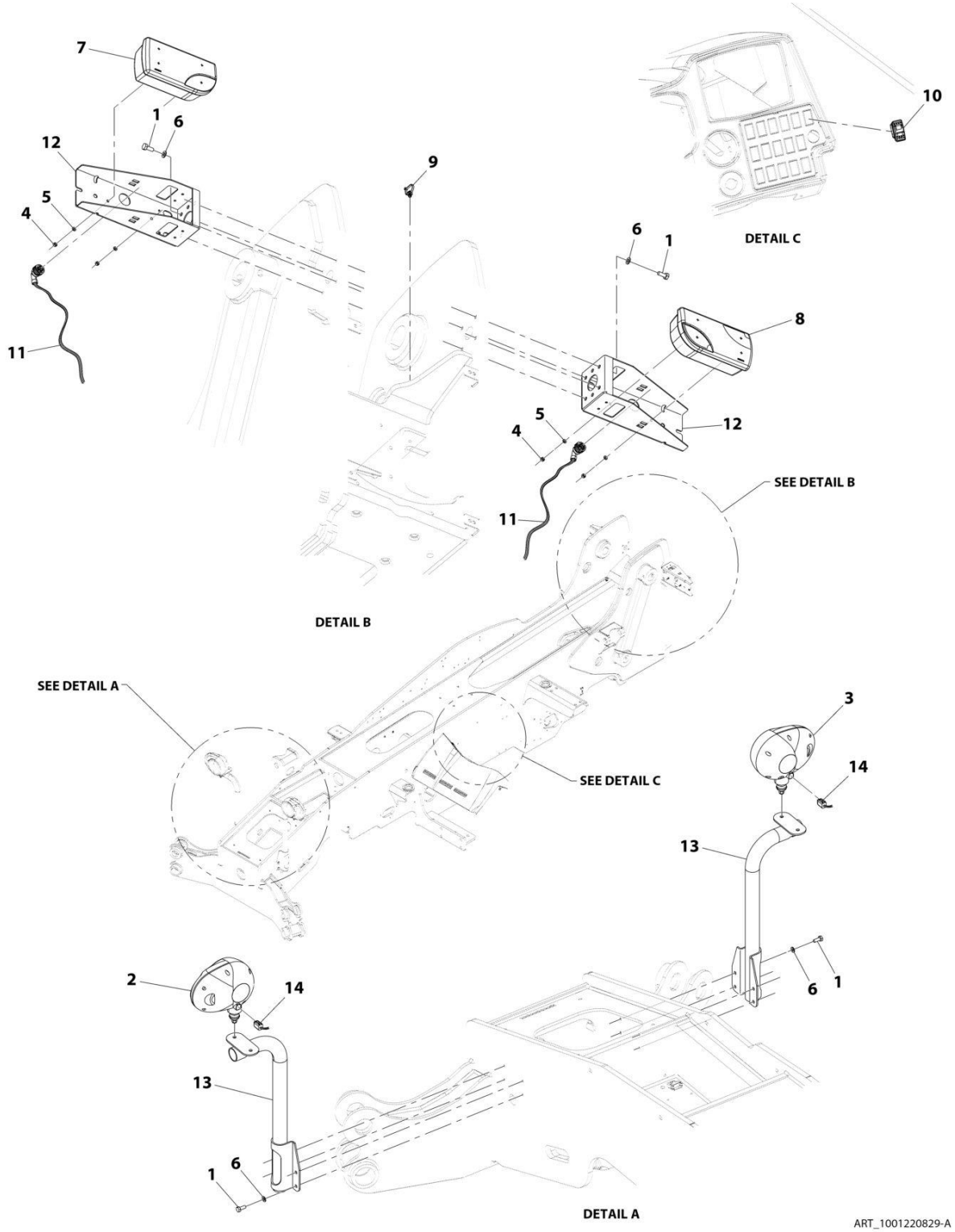


FIGURE 10-73. LIGHTS - ROADLIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220829	Ref	Road Lights Installation	A
1	0761010	16	Bolt, M10X20	
2	2920207	1	Driving Light, LH	
3	2920208	1	Driving Light, RH	
4	3290607	4	Nut, M6X1	
5	4811700	4	Washer, M6	
6	4812000	16	Washer, M10	
7	1001091715	1	Lamp, Rear LH	
8	1001091716	1	Lamp, Rear RH	
9	1001146588	1	Strap, Cable	
10	1001159734	1	Switch, Hazard	
11	1001173092	1	Harness, HBP Tail Lights (See Separate Breakdown in Electrical Section)	
12	1001196100	2	Bracket	
13	1001220817	2	Bracket	
14	1001165360	1	Harness, Front Frame Headlight (See Separate Breakdown in Electrical Section)	

FIGURE 10-74. LIGHTS - ROADLIGHTS HEADLIGHT HARNESS

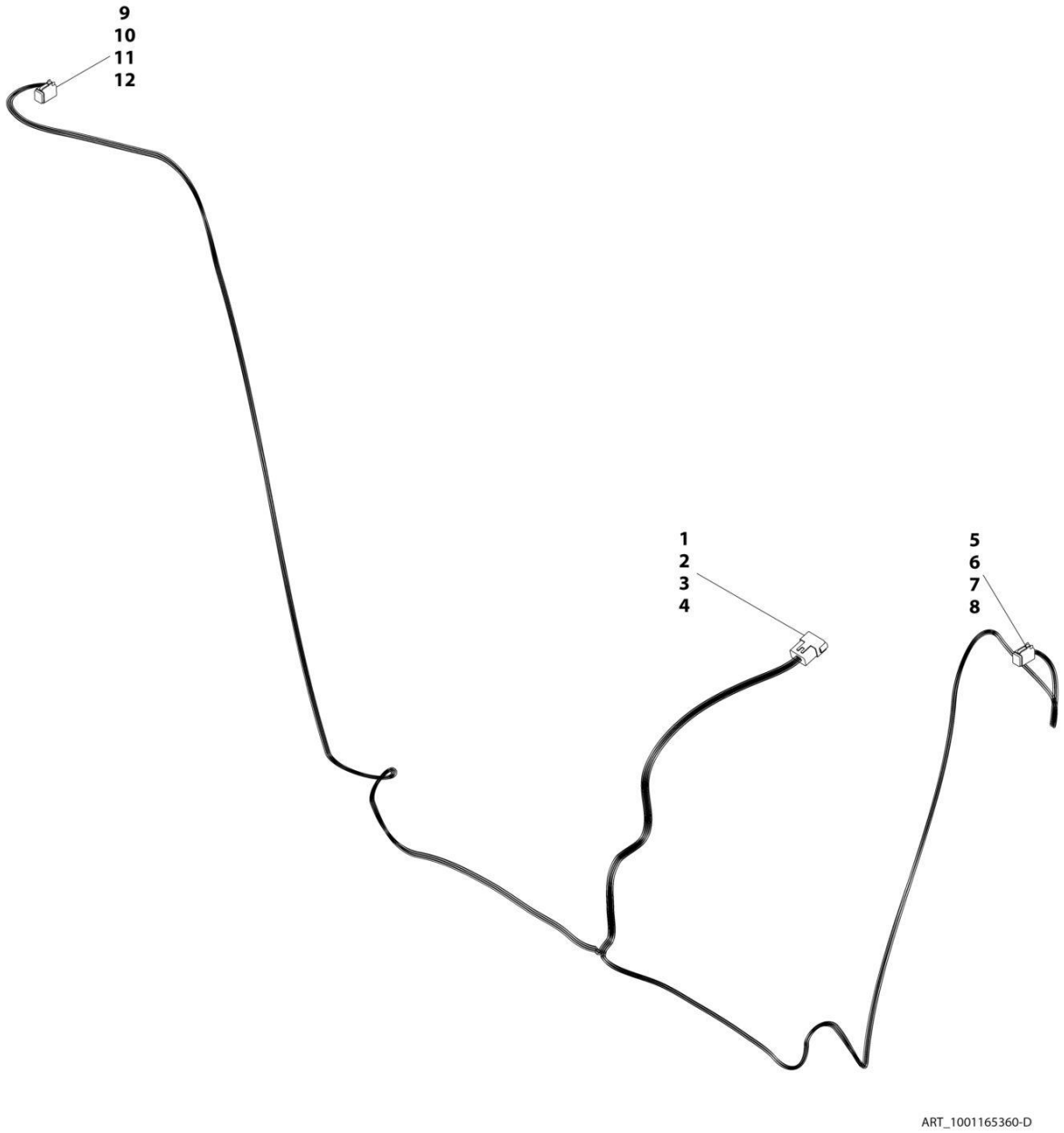


FIGURE 10-74. LIGHTS - ROADLIGHTS HEADLIGHT HARNESS

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 10-75. LIGHTS - ROADLIGHTS TAILLIGHTS HARNESS

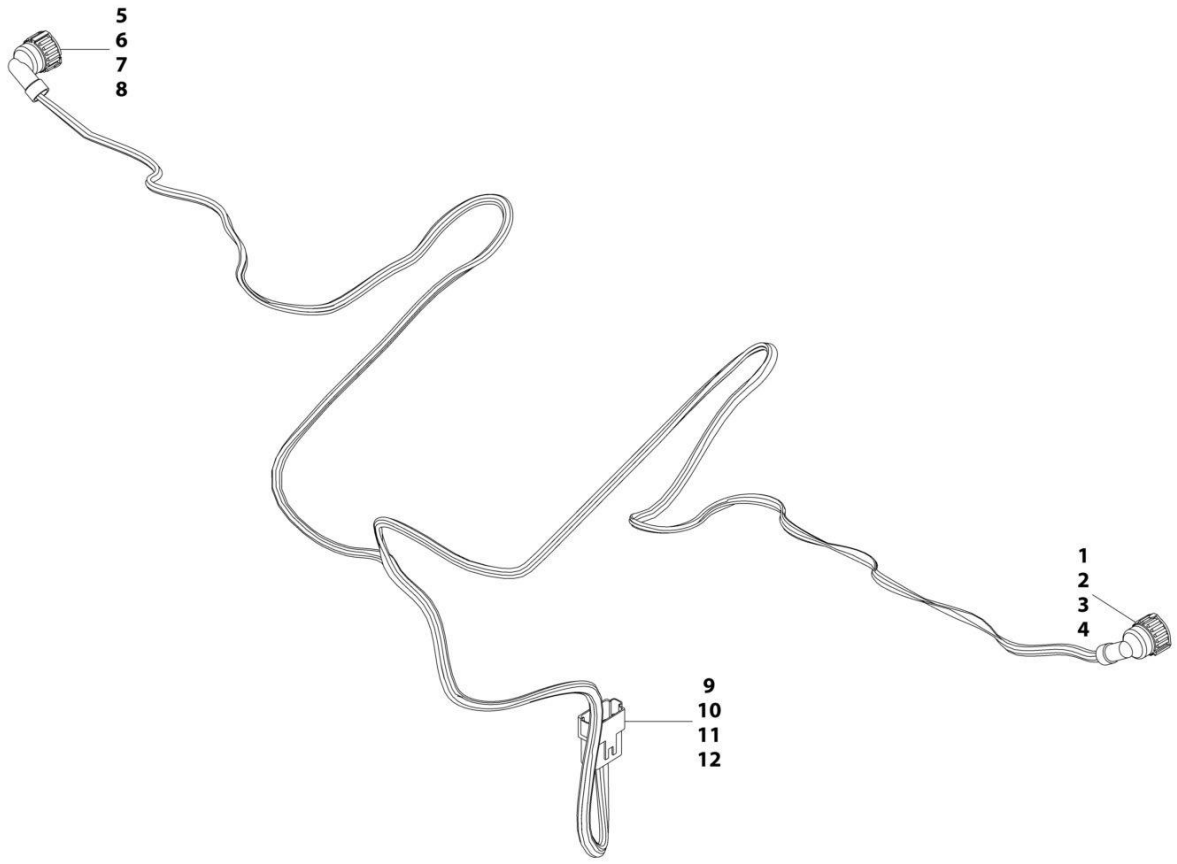


FIGURE 10-75. LIGHTS - ROADLIGHTS TAILLIGHTS HARNESS

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 10-76. LIGHTS - SWITCH INSTALLATION

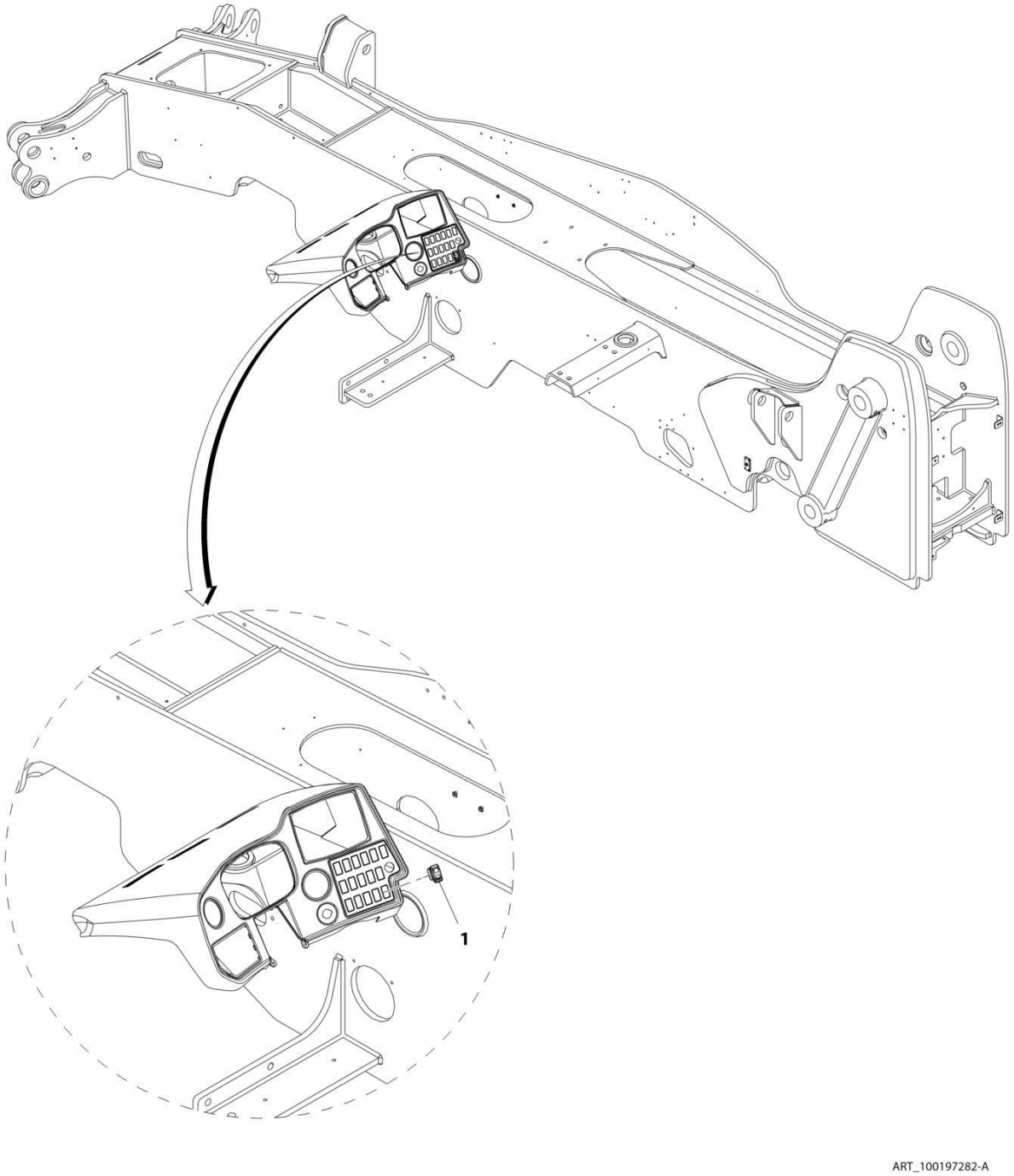


FIGURE 10-76. LIGHTS - SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197282	Ref	Switch Light Installation	A
1	1001163639	1	Switch, Driving Lights	

FIGURE 10-77. LSI HARNESS - BOOM RETRACT

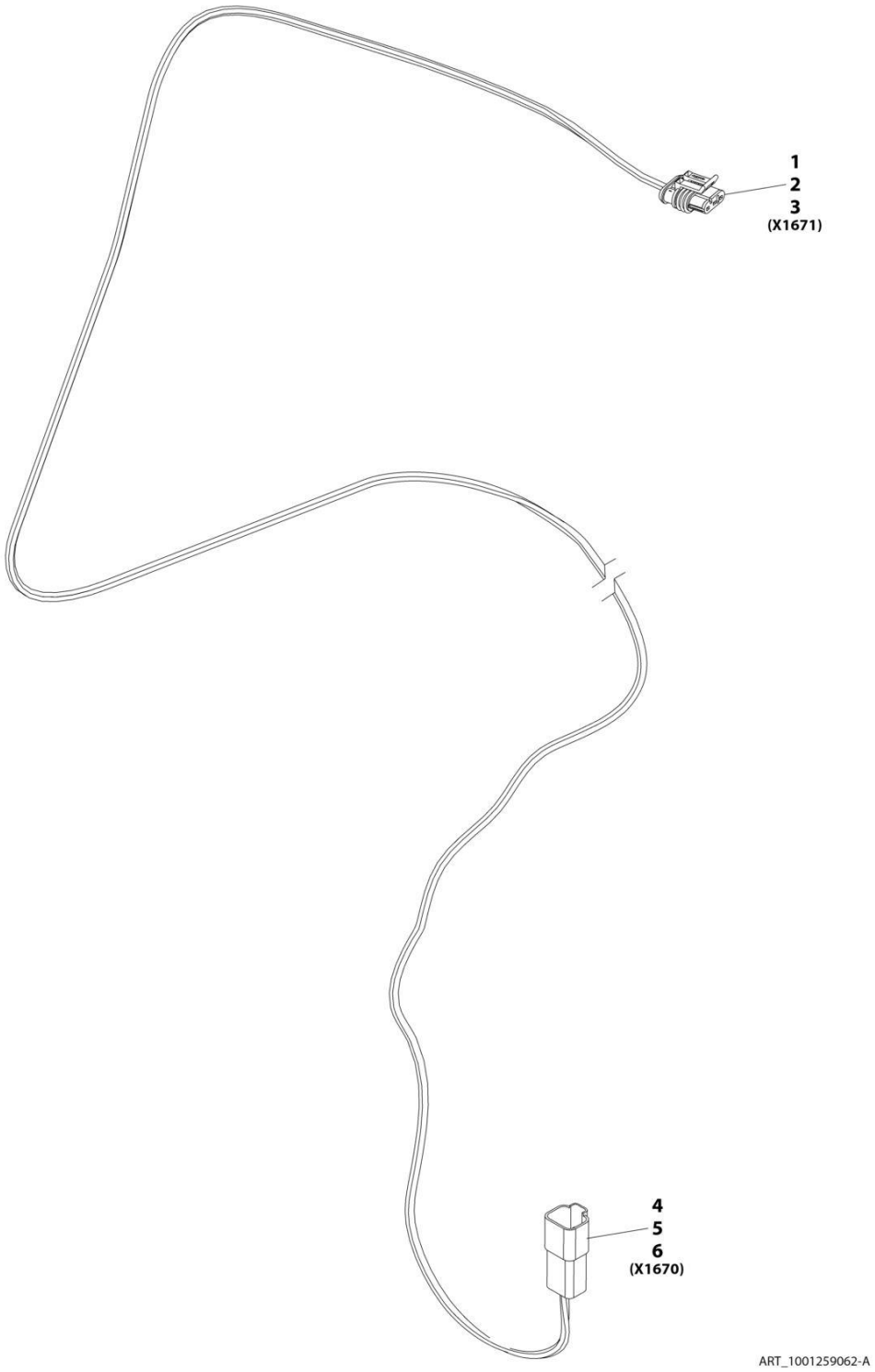


FIGURE 10-77. LSI HARNESS - BOOM RETRACT

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 10-78. OUTRIGGER HARNESS

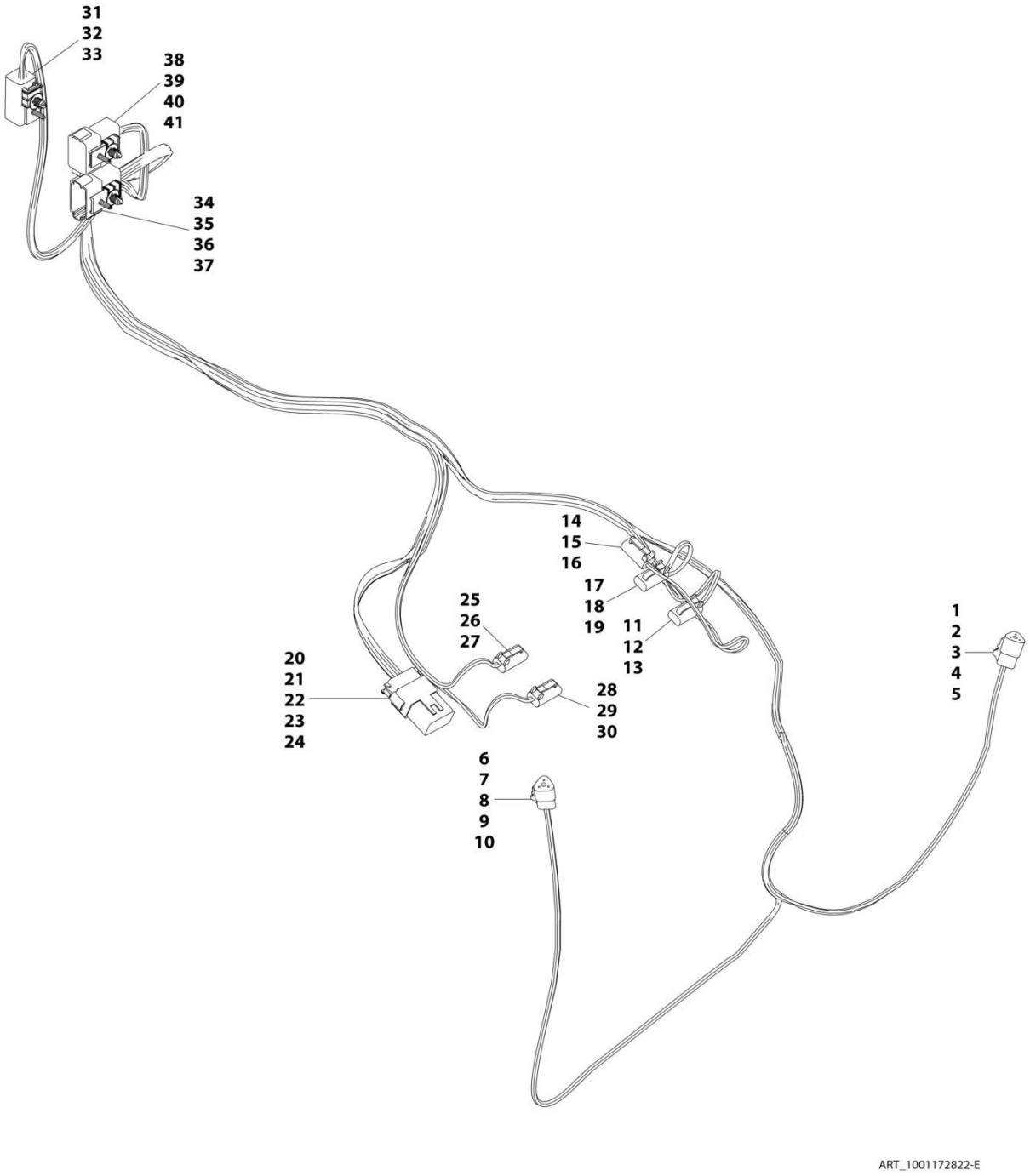


FIGURE 10-78. OUTRIGGER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172822	Ref	Outrigger Harness	E
1	4460539	1	Connector	
2	77363244	1	Lock, Secondary	
3	4460536	1	Terminal, 3 Pin Male	
4	4460465	3	Terminal	
5	4460466	1	Plug	
6	4460539	1	Connector	
7	77363244	1	Lock, Secondary	
8	4460536	1	Terminal, 3 Pin Male	
9	4460465	3	Terminal	
10	4460466	1	Plug	
11	4460891	1	Connector	
12	80604018	1	Lock, Secondary	
13	4460465	2	Terminal	
14	4460891	1	Connector	
15	80604018	1	Lock, Secondary	
16	4460465	2	Terminal	
17	4460891	1	Connector	
18	80604018	1	Lock, Secondary	
19	4460465	2	Terminal	
20	4460933	1	Connector	
21	80604016	1	Lock, Secondary	
22	4460970	1	Terminal, Receptacle	
23	4460942	10	Terminal	
24	4460466	2	Plug	
25	4460891	1	Connector	
26	80604018	1	Lock, Secondary	
27	4460465	2	Terminal	
28	4460891	1	Connector	
29	80604018	1	Lock, Secondary	
30	4460465	2	Terminal	
31	4460899	1	Connector	
32	80604022	1	Lock, Secondary	
33	4460464	6	Terminal	
34	4460970	1	Connector	
35	80363179	1	Lock, Secondary	
36	4460941	10	Terminal	
37	4460466	2	Plug	
38	4460950	1	Connector	
39	80363179	1	Lock, Secondary	
40	4460464	7	Terminal	
41	4460466	5	Plug	

FIGURE 10-79. PLATFORM HARNESS

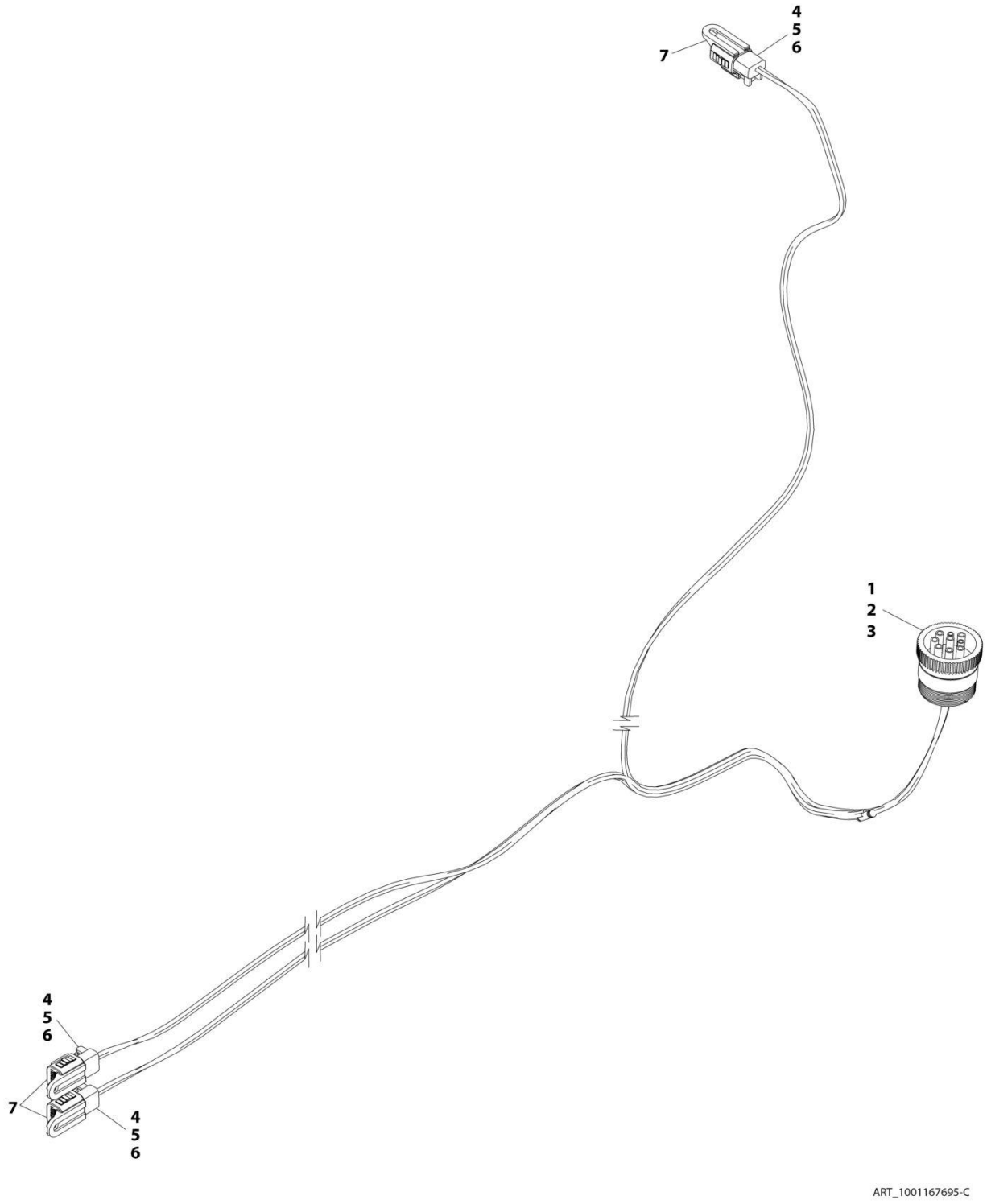


FIGURE 10-79. PLATFORM HARNESS

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 10-80. REVERSE CAMERA INSTALLATION

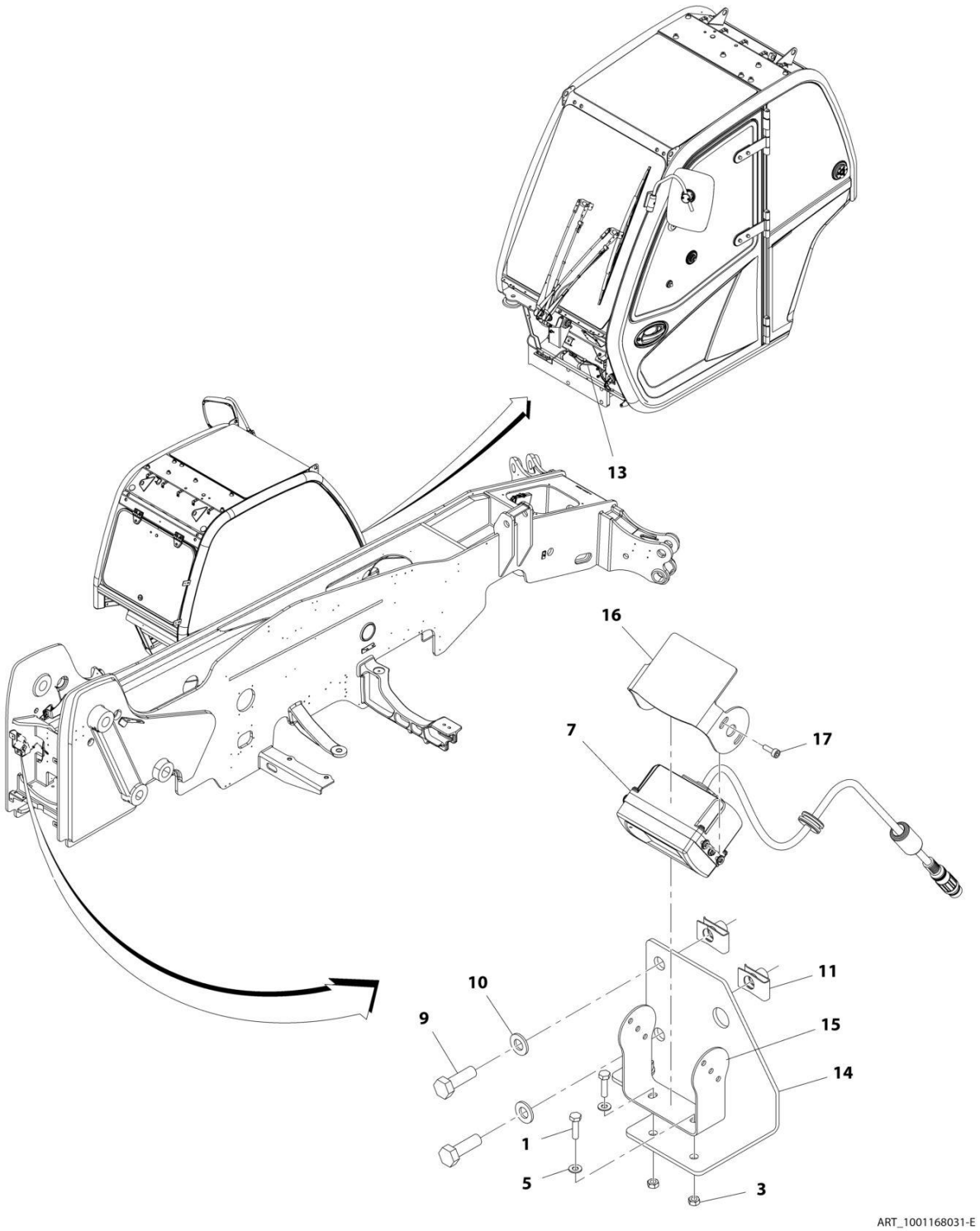


FIGURE 10-80. REVERSE CAMERA INSTALLATION

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 10-81. REVERSE CAMERA INSTALLATION - NO HED

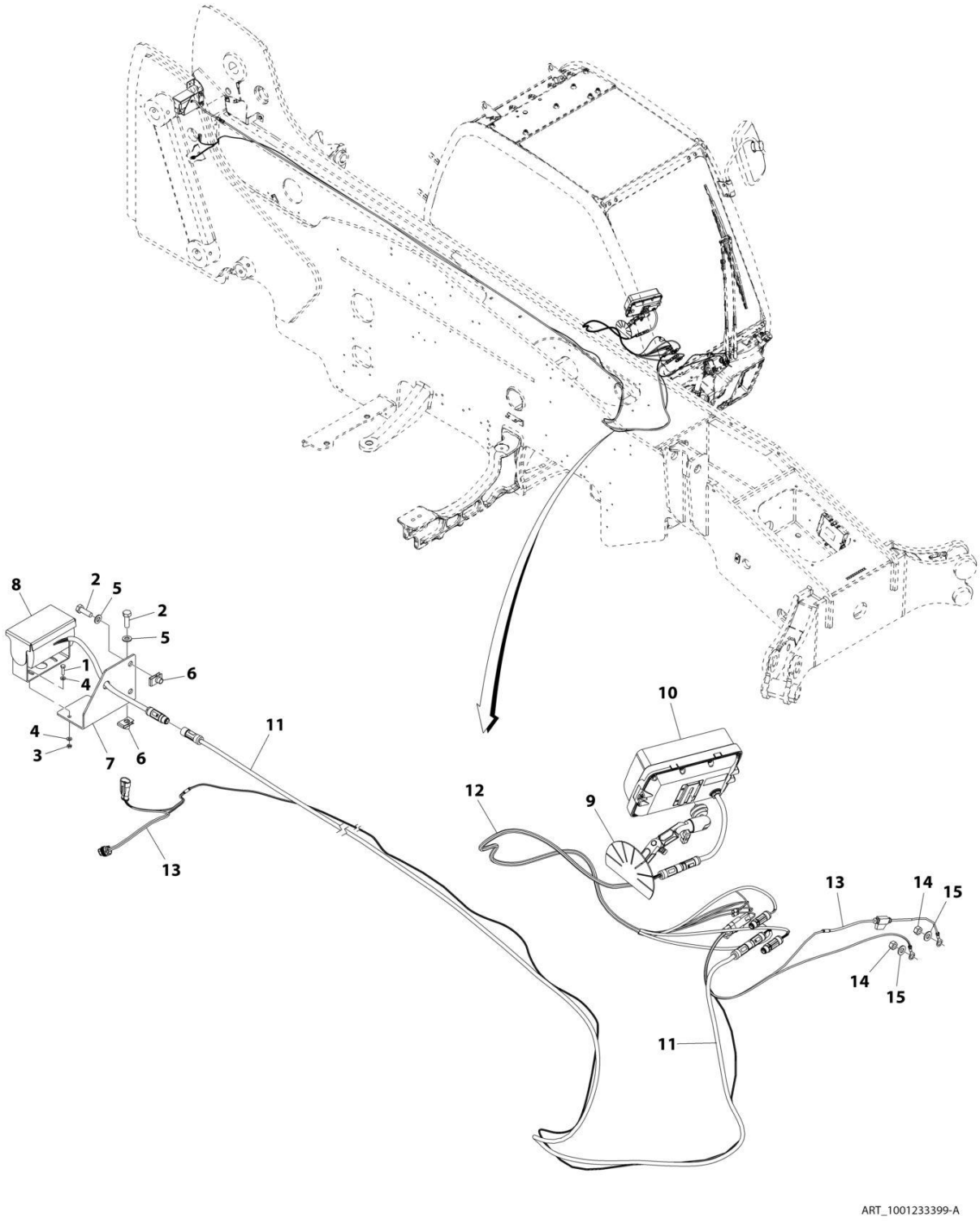


FIGURE 10-81. REVERSE CAMERA INSTALLATION - NO HED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233399	Ref	Backup Camera Installation, No HED	A
1	0700408	2	Bolt, M4X16	
2	0760812	3	Bolt, M8X25	
3	3290401	2	Nut, M4X0.7	
4	4811400	4	Washer, M4	
5	4811900	3	Washer, M8	
6	8310686	3	Nut, Retainer M8X12.5	
7	1001233832	1	Bracket	
8	1001233174	1	Camera, Rear View	
9	1001233199	1	Bracket	
10	1001233202	1	Monitor	
11	1001233434	1	Harness, Extension Cable, Camera	
12	1001233435	1	Harness, Backup Camera	
13	1001245323	1	Harness, Rear Camera Option (See Separate Breakdown in this Section)	
14	3271505	2	Nut, 5/16	
15	4711500	2	Washer 5/16	

FIGURE 10-82. REVERSE CAMERA OPTION HARNESS - NO HED

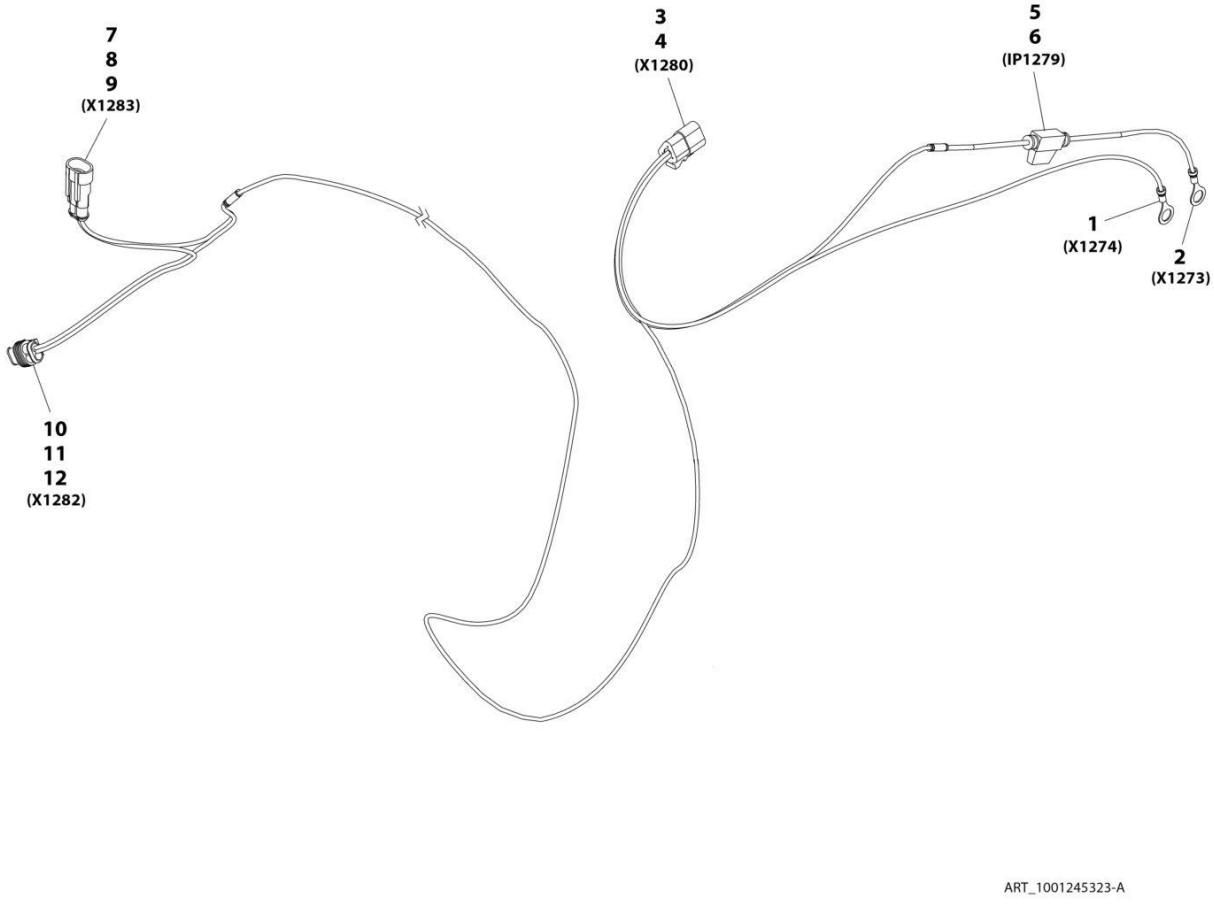


FIGURE 10-82. REVERSE CAMERA OPTION HARNESS - NO HED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245323	Ref	Rear Camera Option Harness	A
1	4460670	1	Terminal Ring	
2	4460670	1	Terminal Ring	
3	4460539	1	Connector	
4	4460465	3	Terminal	
5	2400060	1	Connector	
6	8229242	1	Terminal	
7	4461227	1	Connector	
8	1001104497	2	Terminal	
9	1001116763	2	Seal	
10	4461118	1	Connector	
11	1001107854	2	Terminal	
12	1001116763	2	Seal	

FIGURE 10-83. REVERSE SENSOR INSTALLATION

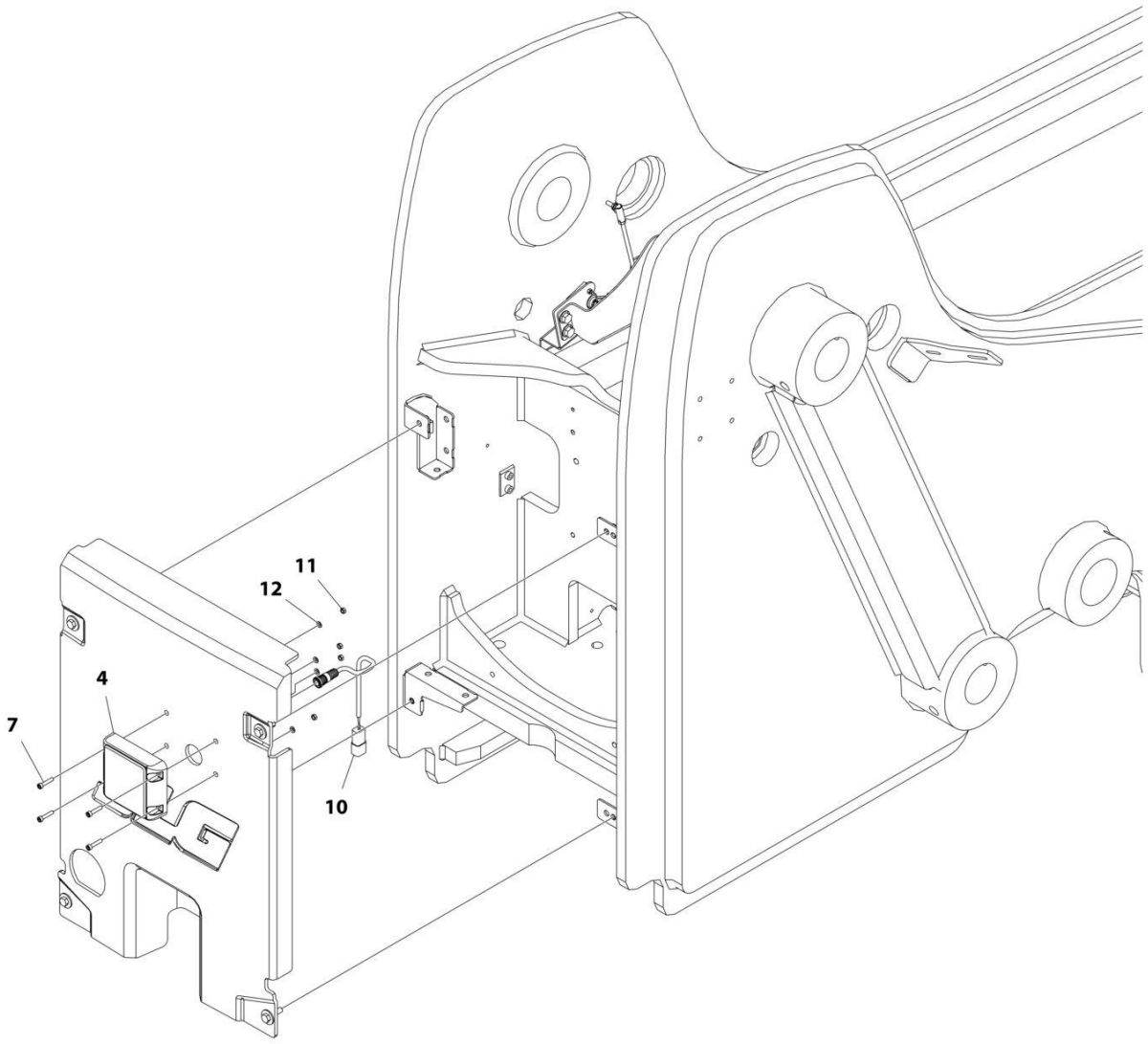
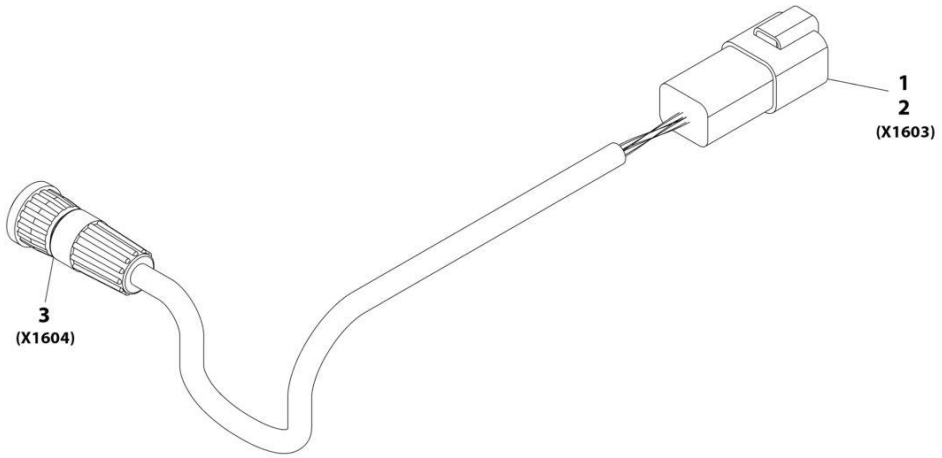


FIGURE 10-83. REVERSE SENSOR INSTALLATION

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 10-84. REVERSE SENSOR HARNESS



ART_1001175776-C

FIGURE 10-84. 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 10-85. RIDE CONTROL VALVE HARNESS INSTALLATION

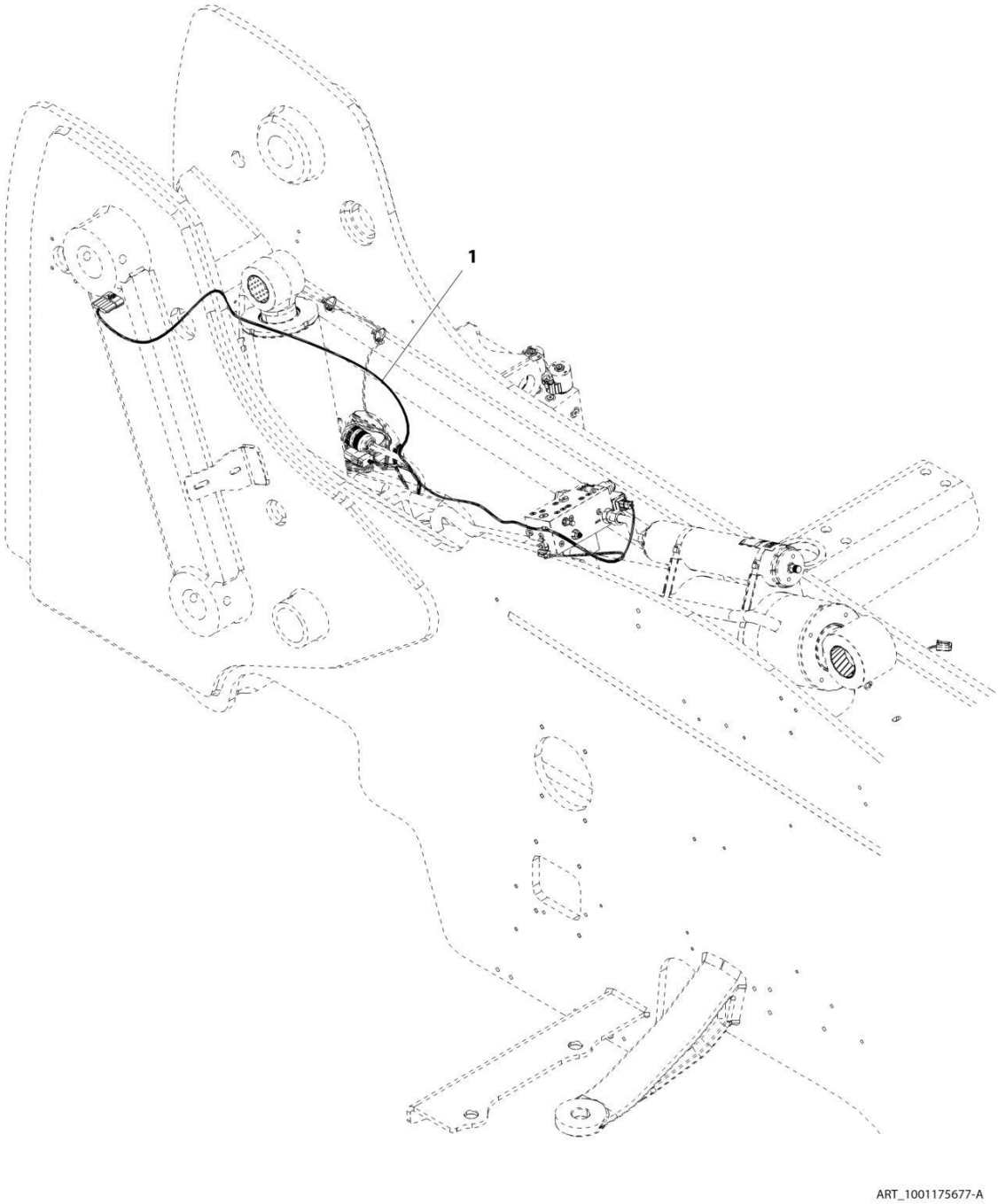


FIGURE 10-85. RIDE CONTROL VALVE HARNESS INSTALLATION

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 10-86. RIDE CONTROL VALVE HARNESS

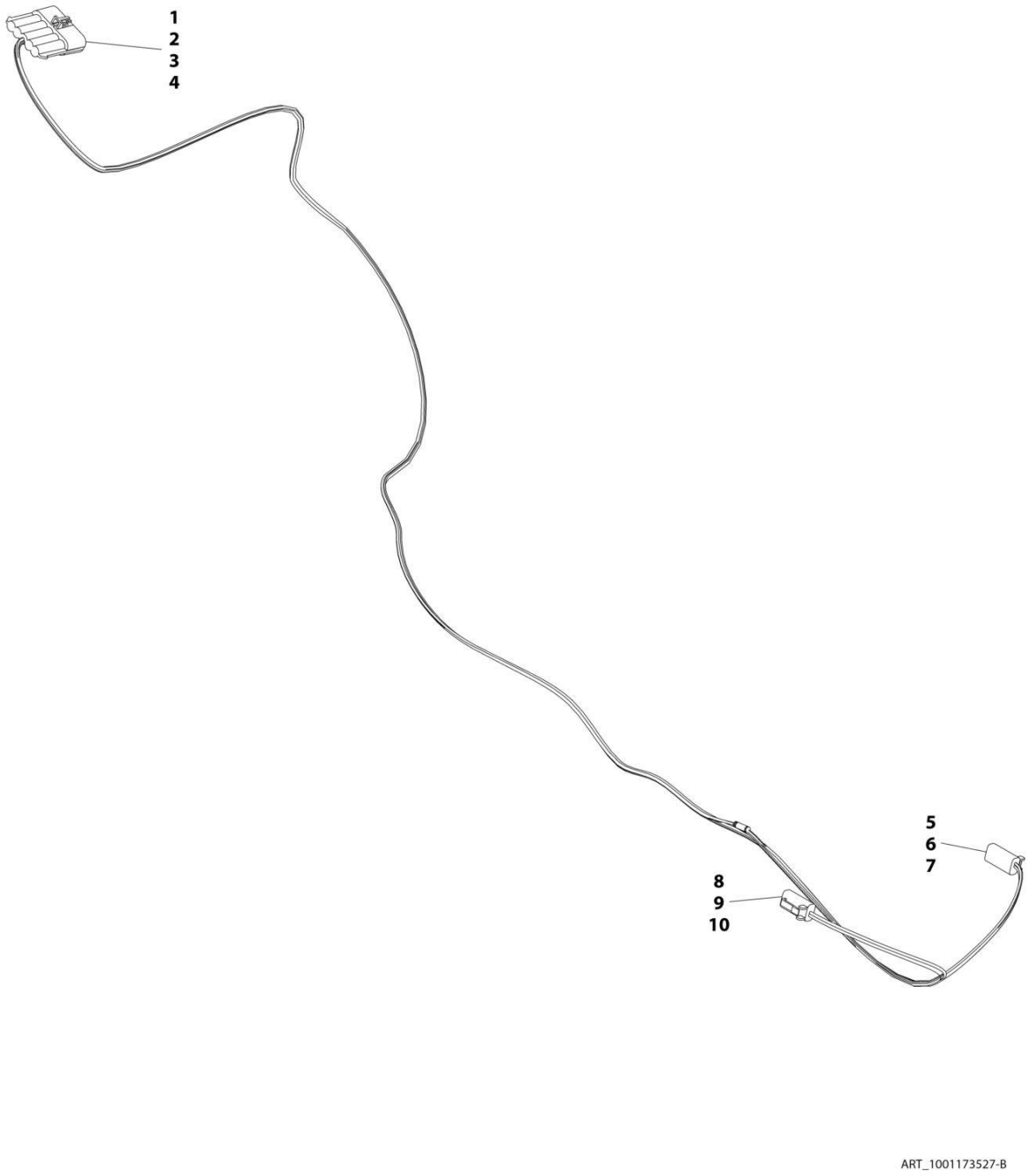


FIGURE 10-86. RIDE CONTROL VALVE HARNESS

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 10-87. ROOF PIGTAIL HARNESS

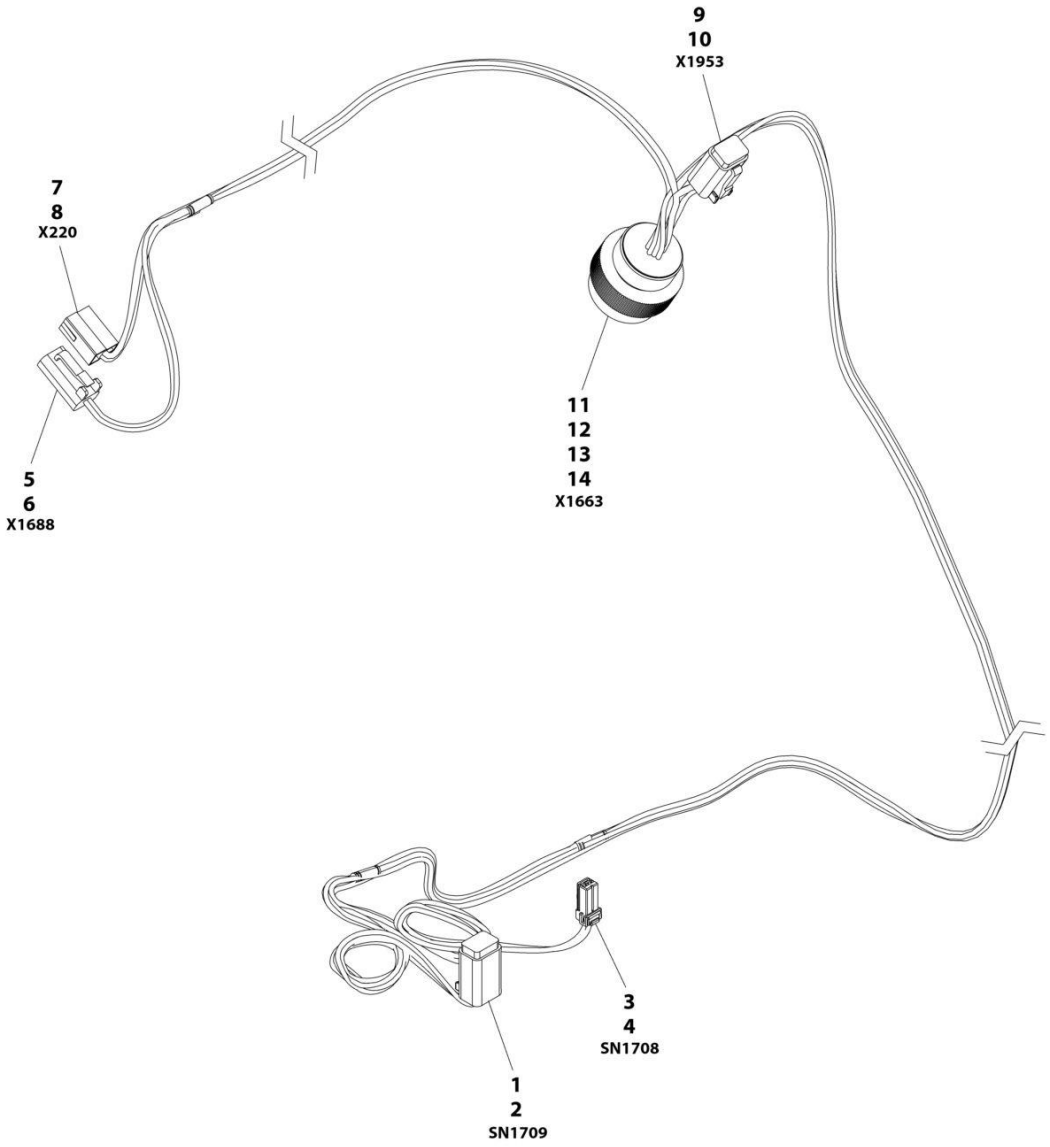
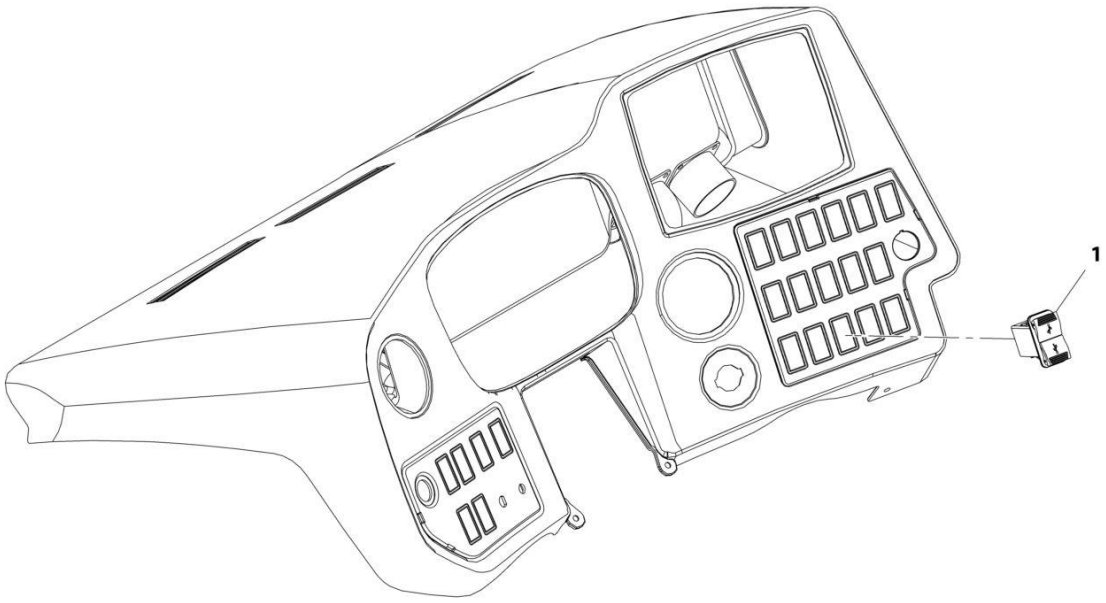


FIGURE 10-87. ROOF PIGTAIL HARNESS

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 10-88. USB CHARGER INSTALLATION



ART_1001200152-A

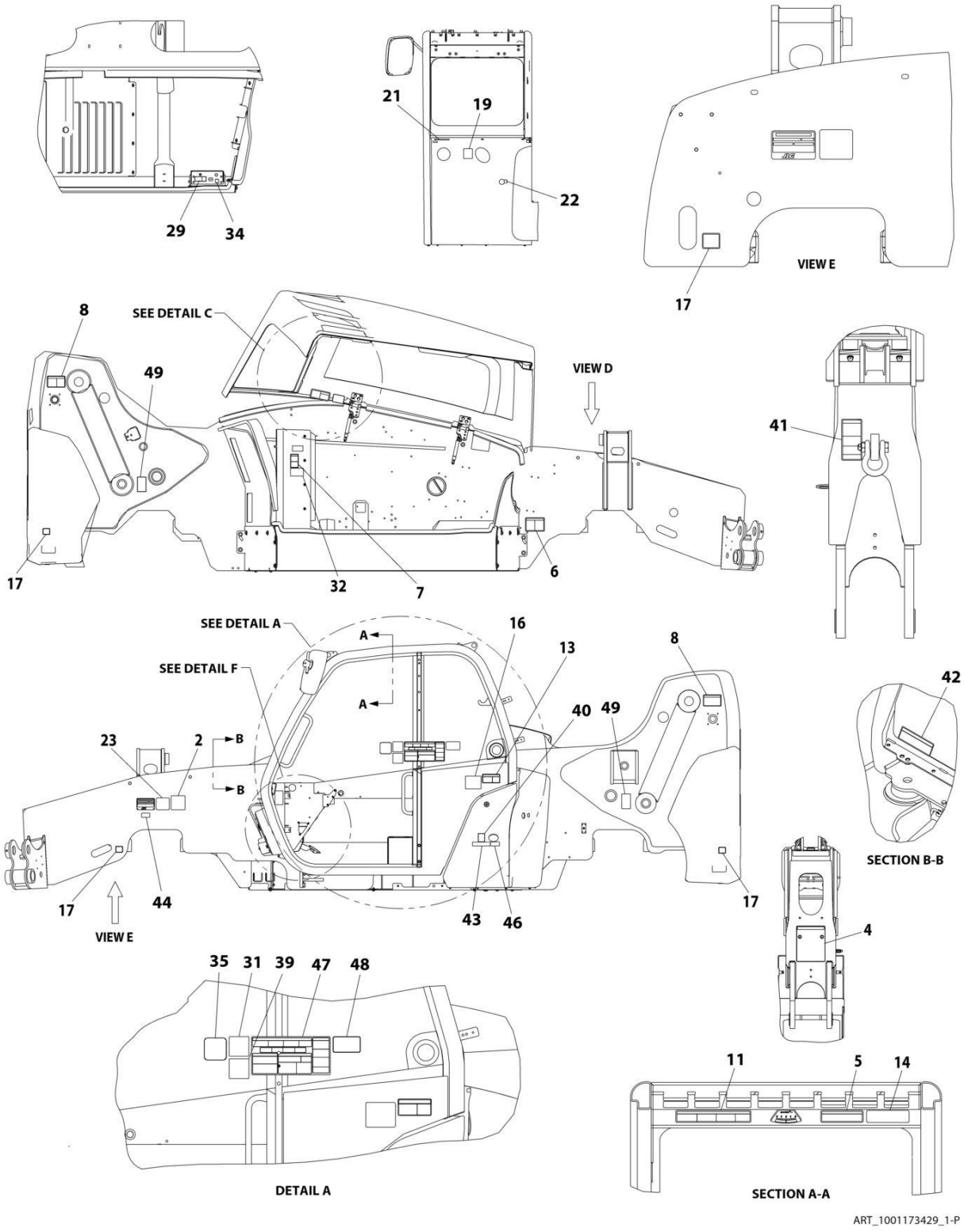
FIGURE 10-88. USB CHARGER INSTALLATION

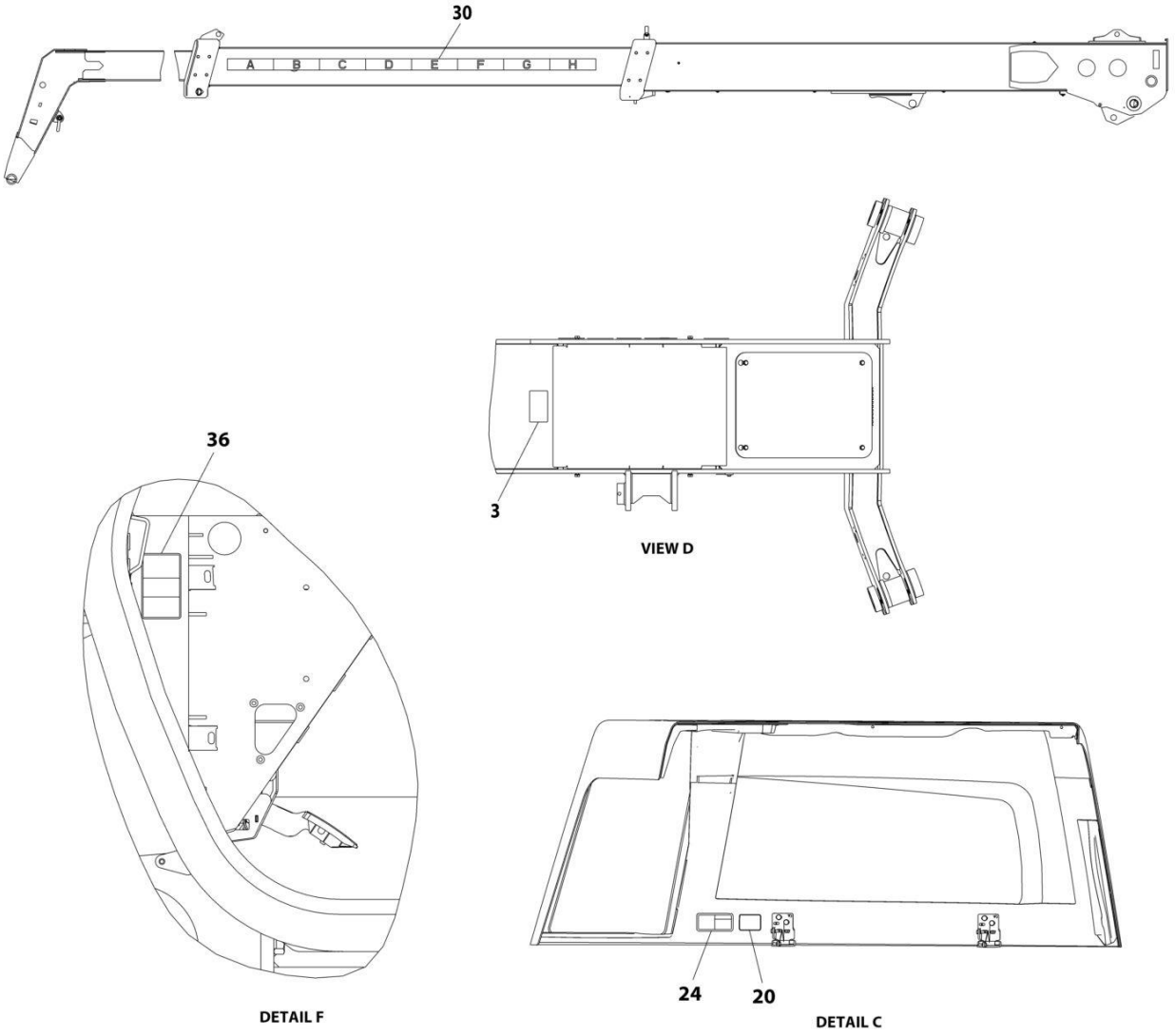
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200152	Ref	USB Charger Installation	A
1	1001174712	1	USB Charger Assembly	

SECTION 11 - DECALS

SECTION 11 - DECALS

FIGURE 11-1. DECAL INSTALLATION (ANSI)




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VIEW D
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DETAIL F
24
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DETAIL C
ART_1001173429_2-P

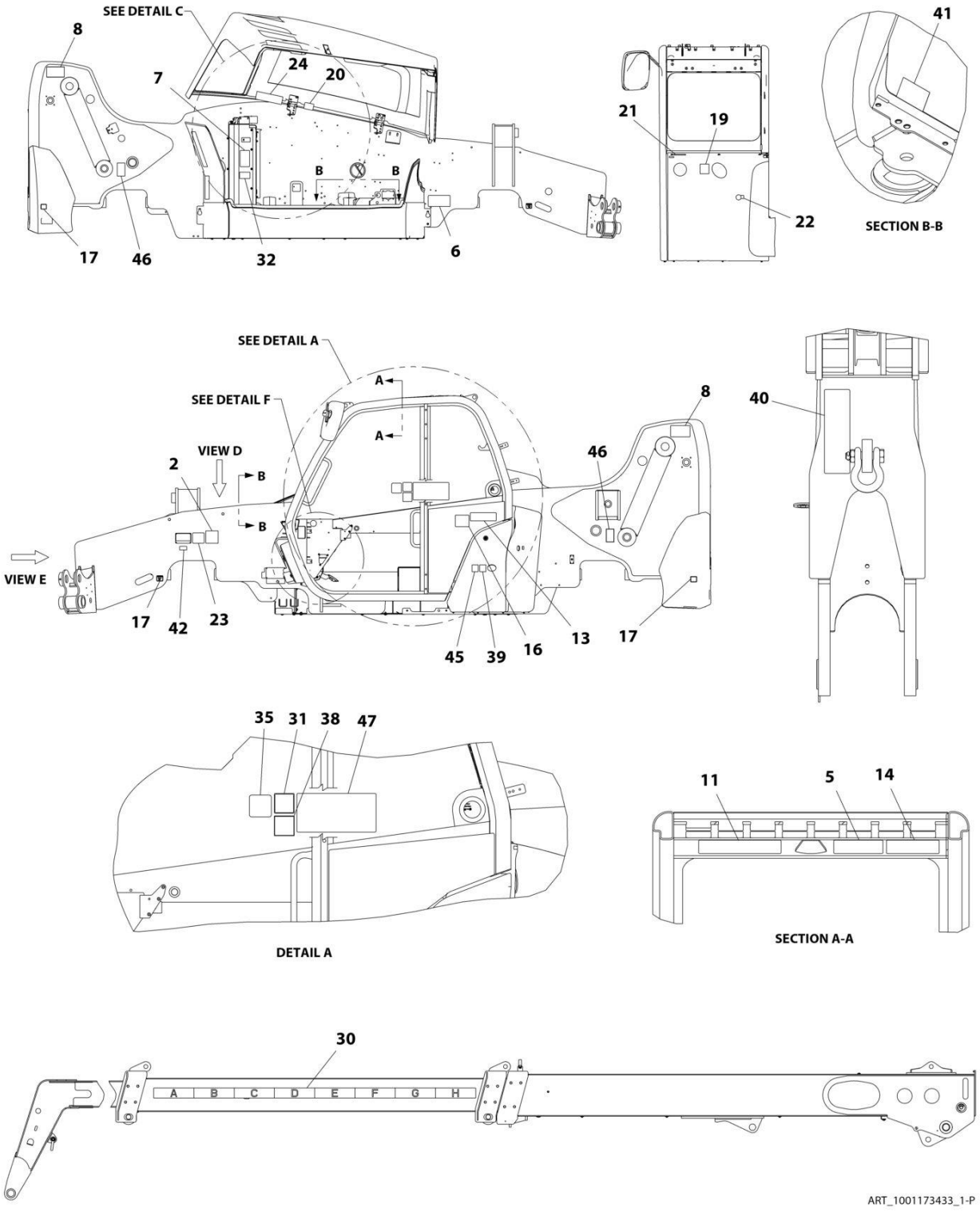
SECTION 11 - DECALS

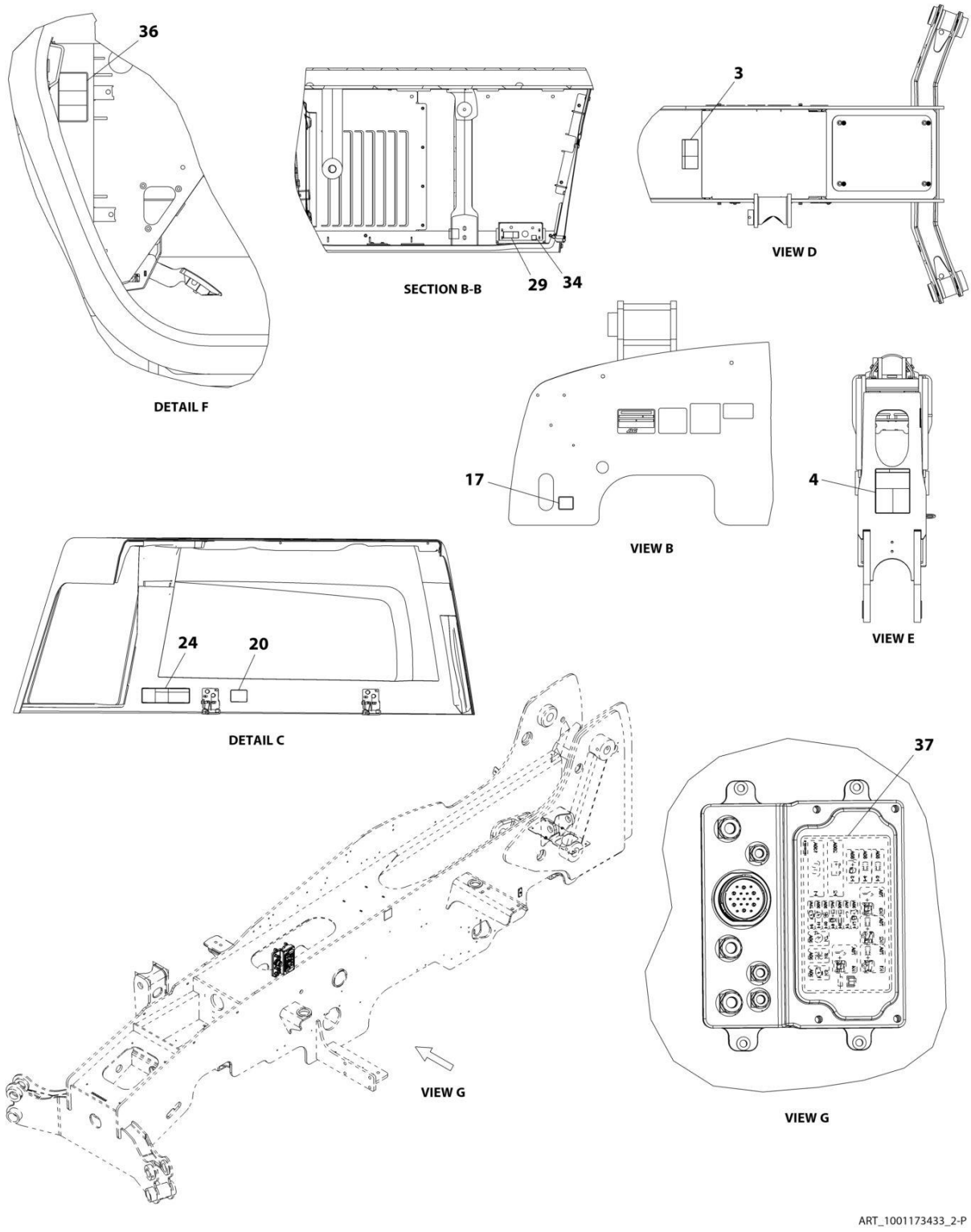
FIGURE 11-1. DECAL INSTALLATION (ANSI)

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	
48	1001231801	1	Decal, Warning Prop 65 Diesel	
49	1001222650	2	Decal, Axle Lift	

SECTION 11 - DECALS

FIGURE 11-2. DECAL INSTALLATION (CSA ENGLISH/FRENCH)




36
DETAIL F
SECTION B-B
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VIEW D
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VIEW B
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VIEW E
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DETAIL C
VIEW G
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VIEW G
ART_1001173433_2-P

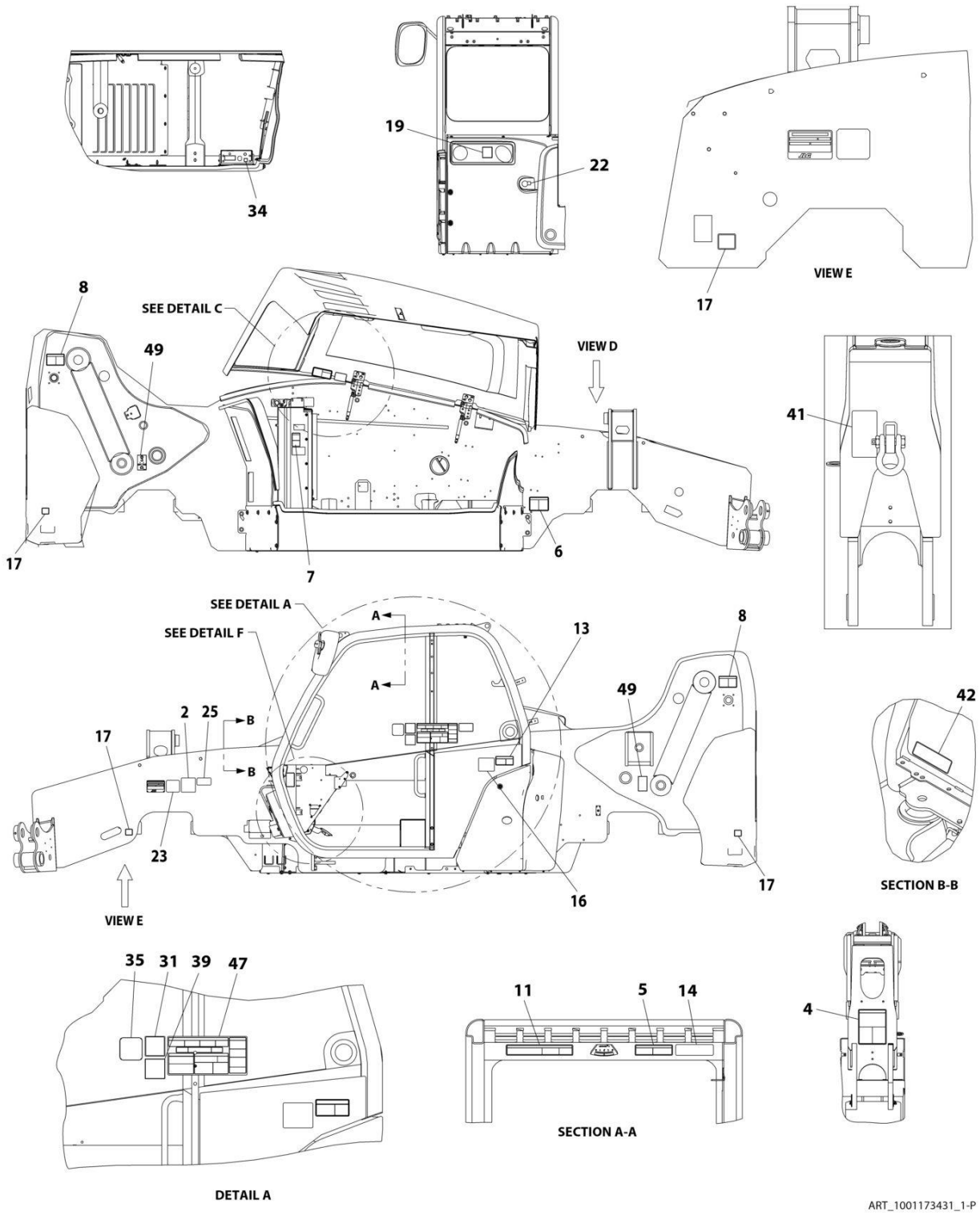
SECTION 11 - DECALS

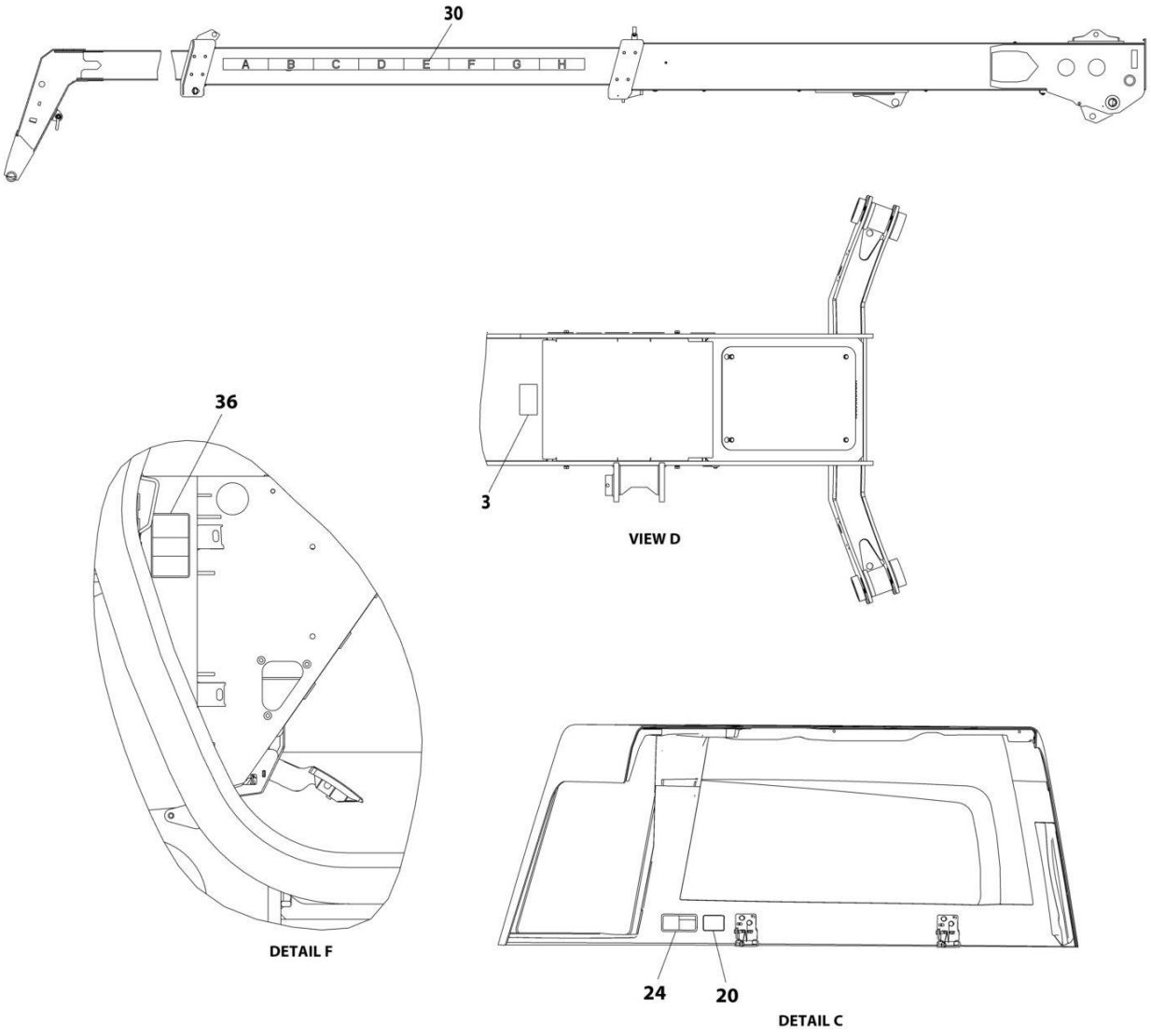
FIGURE 11-2. DECAL INSTALLATION (CSA ENGLISH/FRENCH)

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	

SECTION 11 - DECALS

FIGURE 11-3. DECAL INSTALLATION (ISO)





ART_1001173431_2-P

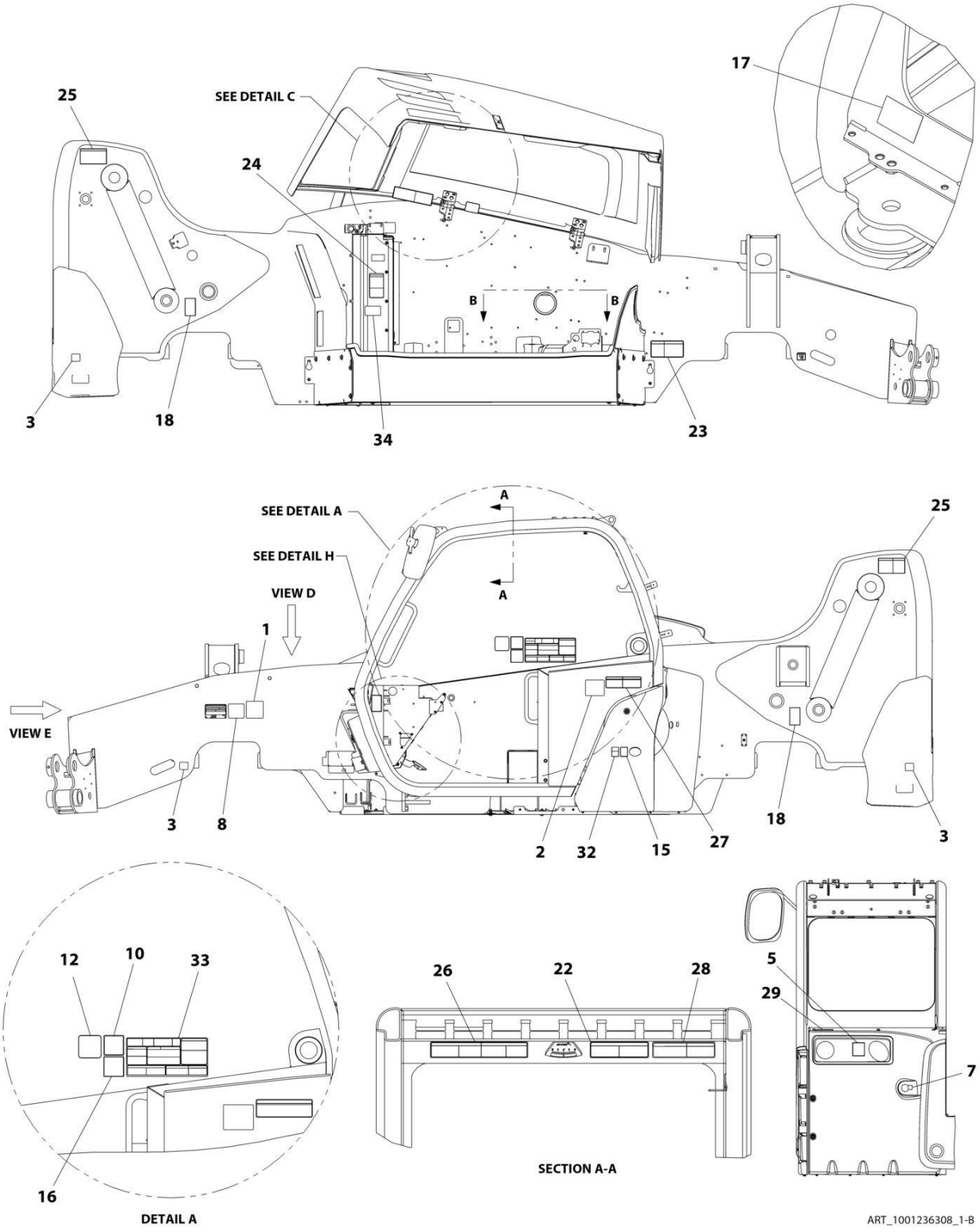
SECTION 11 - DECALS

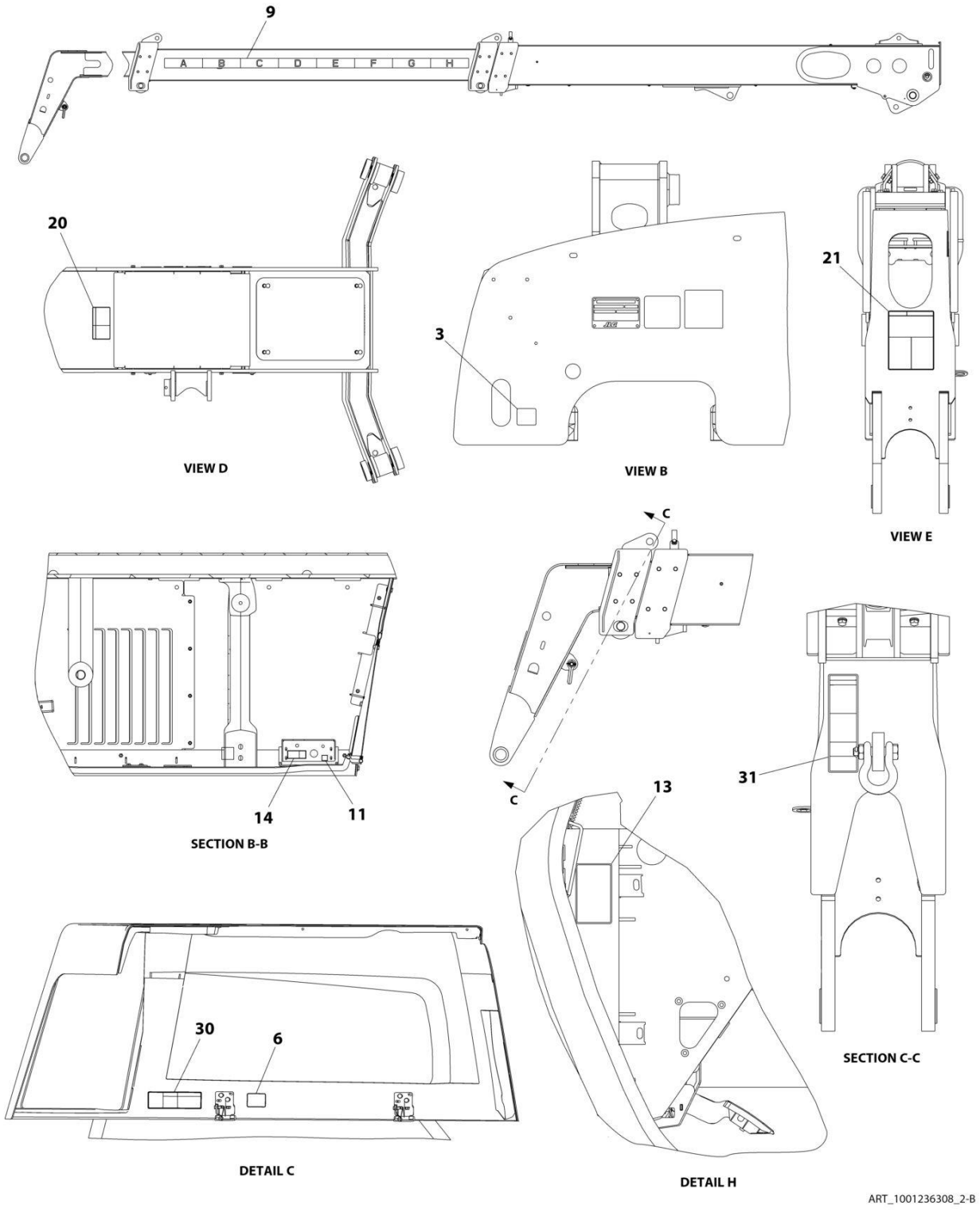
FIGURE 11-3. DECAL INSTALLATION (ISO)

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	
49	1001222650	2	Decal, Axle Lift	

SECTION 11 - DECALS

FIGURE 11-4. DECAL INSTALLATION (LATIN AMERICAN ENGLISH/SPANISH)




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VIEW D
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VIEW B
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VIEW E
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SECTION B-B
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SECTION C-C
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DETAIL C
DETAIL H
ART_1001236308_2-B

SECTION 11 - DECALS

FIGURE 11-4. DECAL INSTALLATION (LATIN AMERICAN ENGLISH/SPANISH)

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 11-5. BRAND AND MODEL DECAL INSTALLATION (74HP) (Prior to SN 0160106384)

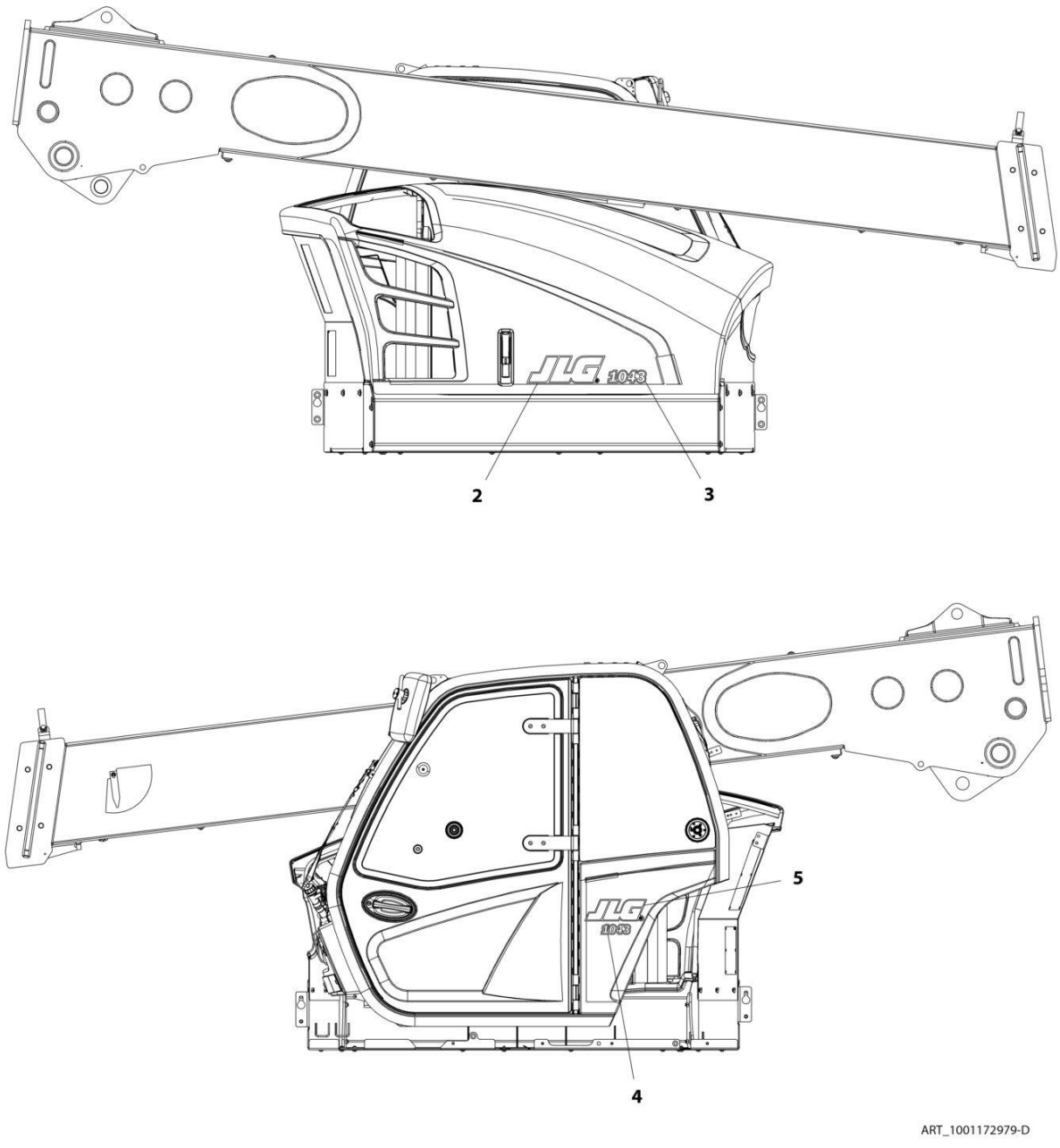


FIGURE 11-5. BRAND AND MODEL DECAL INSTALLATION (74HP) (Prior to SN 0160106384)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172979	Ref	Brand and Model Decal Installation	D
2	1001160775	1	Decal, JLG 5 Black	
3	1001172960	1	Decal, JLG 1043	
4	1001172961	1	Decal, JLG 1043 Cab	
5	1001169674	1	Decal, JLG	

FIGURE 11-6. BRAND AND MODEL DECAL INSTALLATION (74HP) (SN 0160106384 to Present)

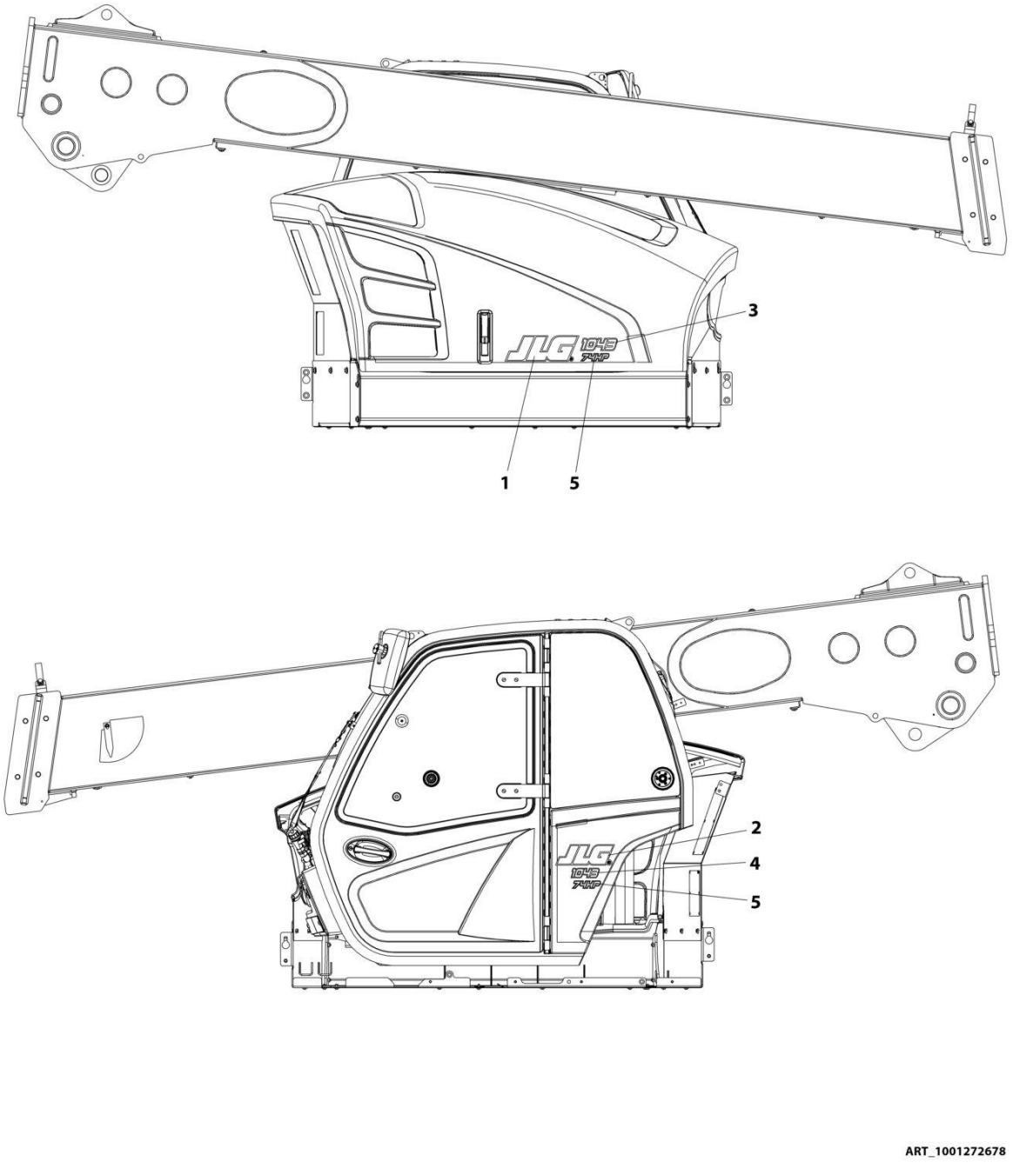


FIGURE 11-6. BRAND AND MODEL DECAL INSTALLATION (74HP) (SN 0160106384 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001272678	Ref	BRAND AND MODEL DECAL INSTALLATION (74HP)	B
1	1001160775	1	Decal, JLG 5in Black	
2	1001169674	1	Decal, JLG	
3	1001276760	1	Decal, JLG 1043	
4	1001276761	1	Decal, JLG 1043 Cab	
5	1001276759	2	Decal, JLG 74 HP	

FIGURE 11-7. BRAND AND MODEL DECAL INSTALLATION (110HP)

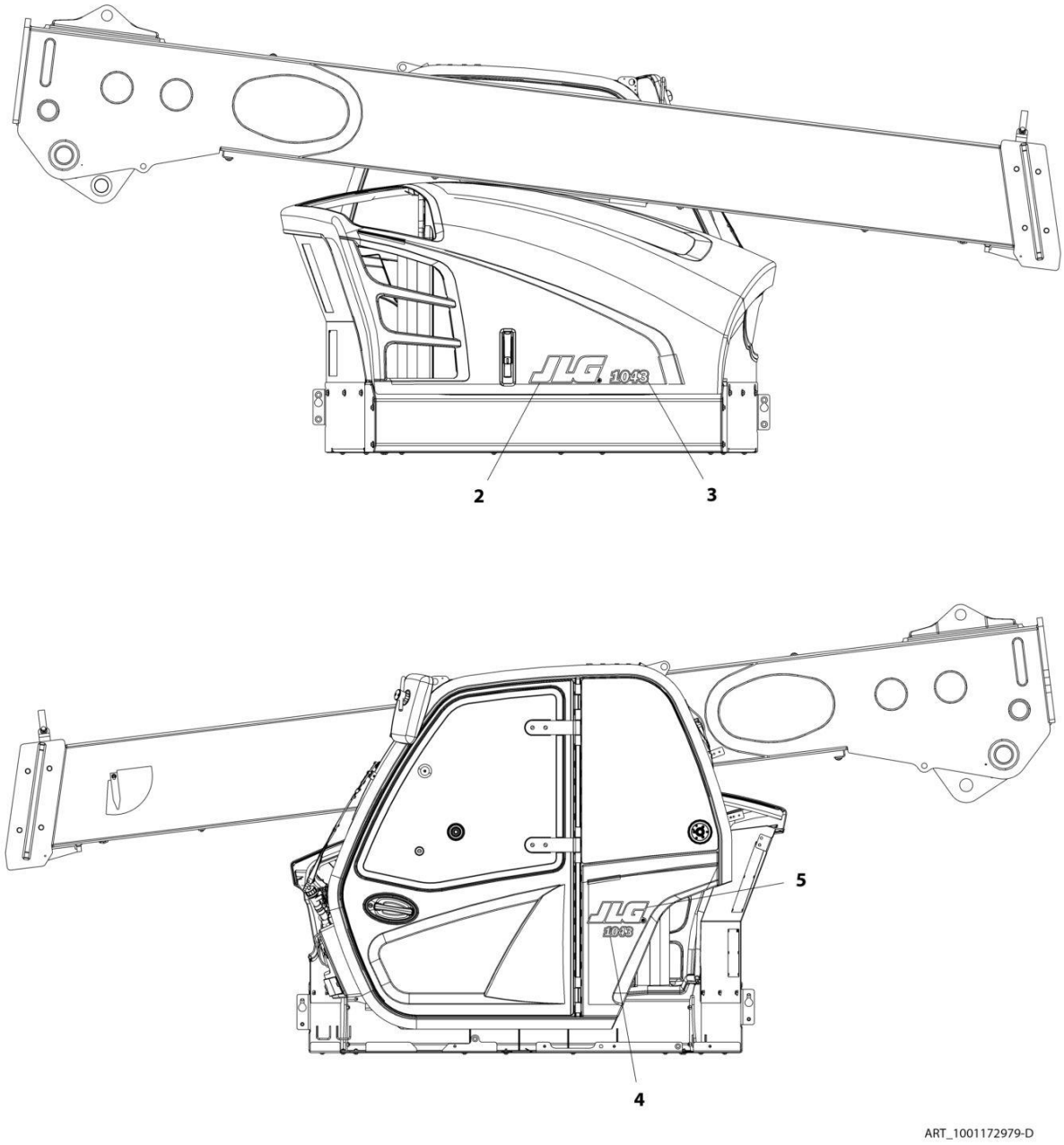
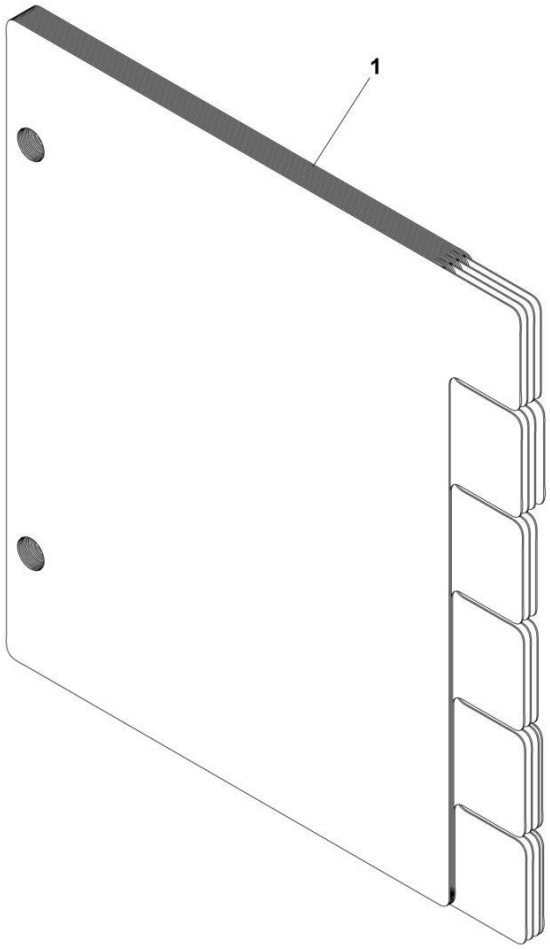


FIGURE 11-7. BRAND AND MODEL DECAL INSTALLATION (110HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172979	Ref	Brand and Model Decal Installation	D
2	1001160775	1	Decal, JLG 5 Black	
3	1001172960	1	Decal, JLG 1043	
4	1001172961	1	Decal, JLG 1043 Cab	
5	1001169674	1	Decal, JLG	

FIGURE 11-8. CAPACITY CHART BOOKLET (ANSI) (OUTRIGGERS)

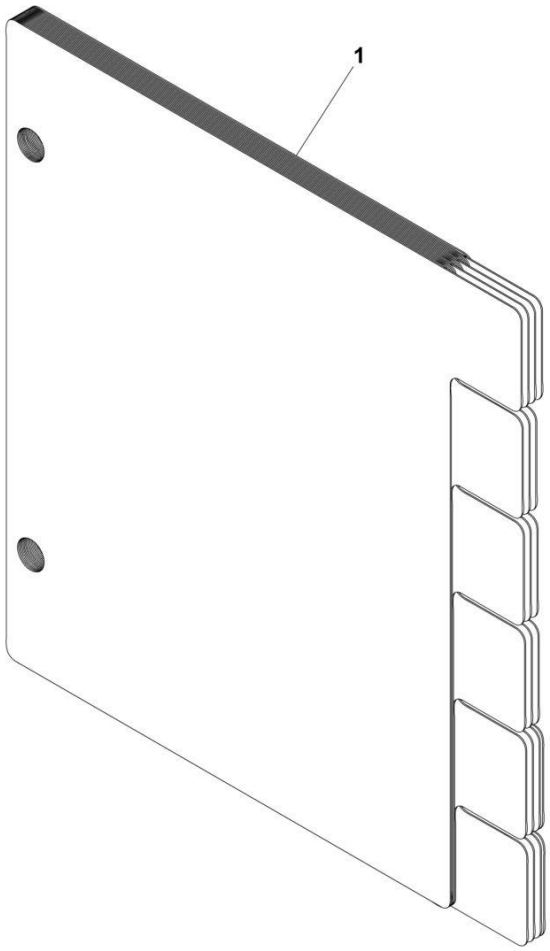


ART_1001212419-J

FIGURE 11-8. CAPACITY CHART BOOKLET (ANSI) (OUTRIGGERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001212419	1	Capacity Chart Booklet (ANSI), (Outriggers) - 1043	J

FIGURE 11-9. CAPACITY CHART BOOKLET (ISO) (OUTRIGGERS)



ART_1001206371-J

FIGURE 11-9. CAPACITY CHART BOOKLET (ISO) (OUTRIGGERS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001206371	1	Capacity Chart Booklet (ISO), (Outriggers) - 1043	J

FIGURE 11-10. CAPACITY CHART HOLDER INSTALLATION

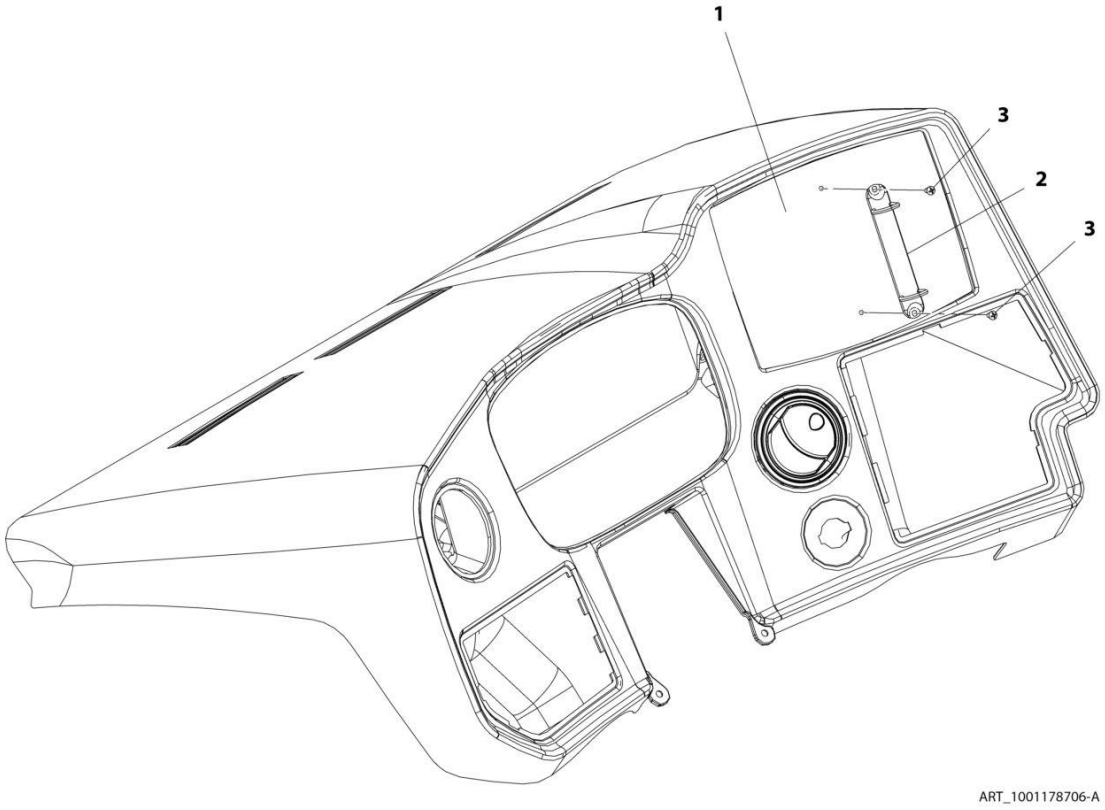


FIGURE 11-10. CAPACITY CHART HOLDER INSTALLATION

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 11-11. CLEARSKY DECAL INSTALLATION

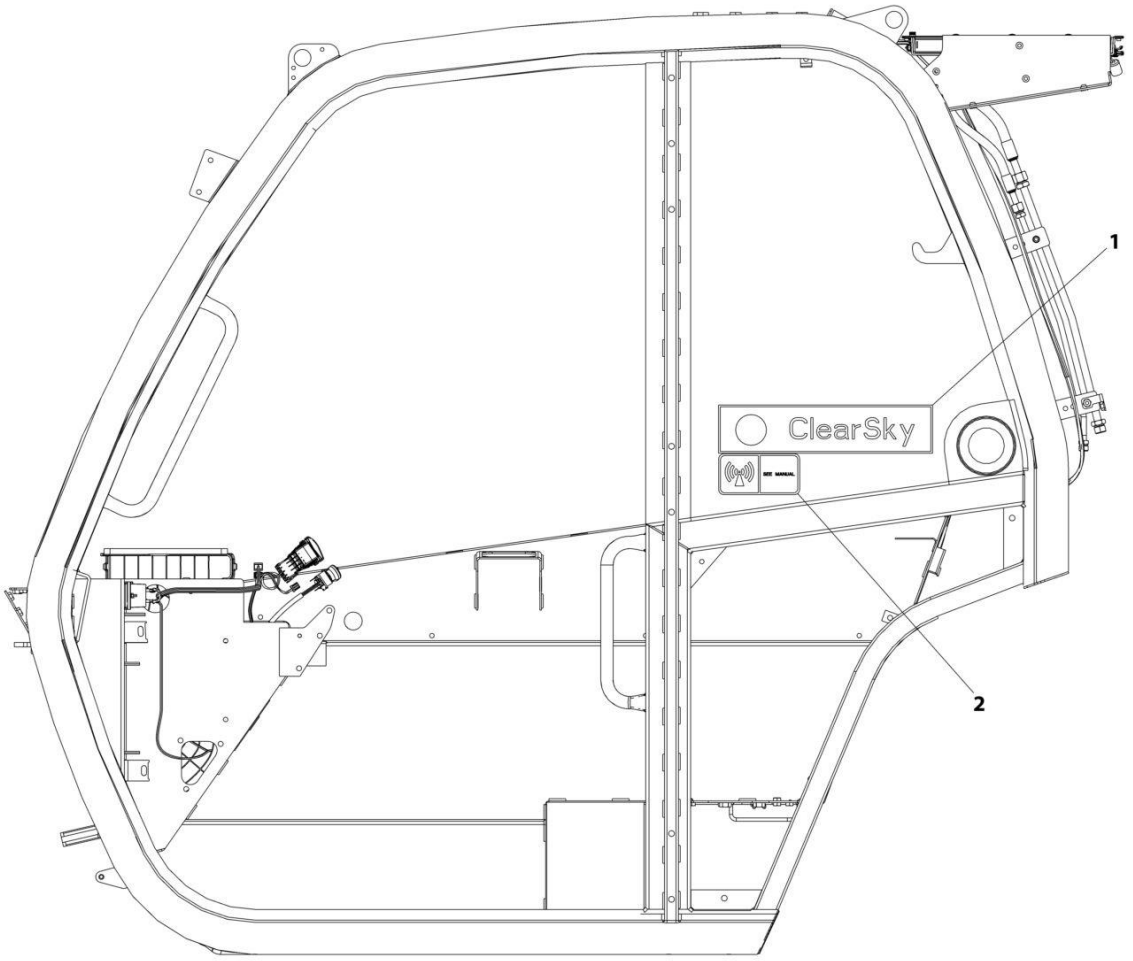


FIGURE 11-11. CLEARSKY DECAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229707	Ref	Clearsky Decal Installation	C
1	1001294815	1	Decal - ClearSky	
2	1001120989	1	Radio Frequency Decal	

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

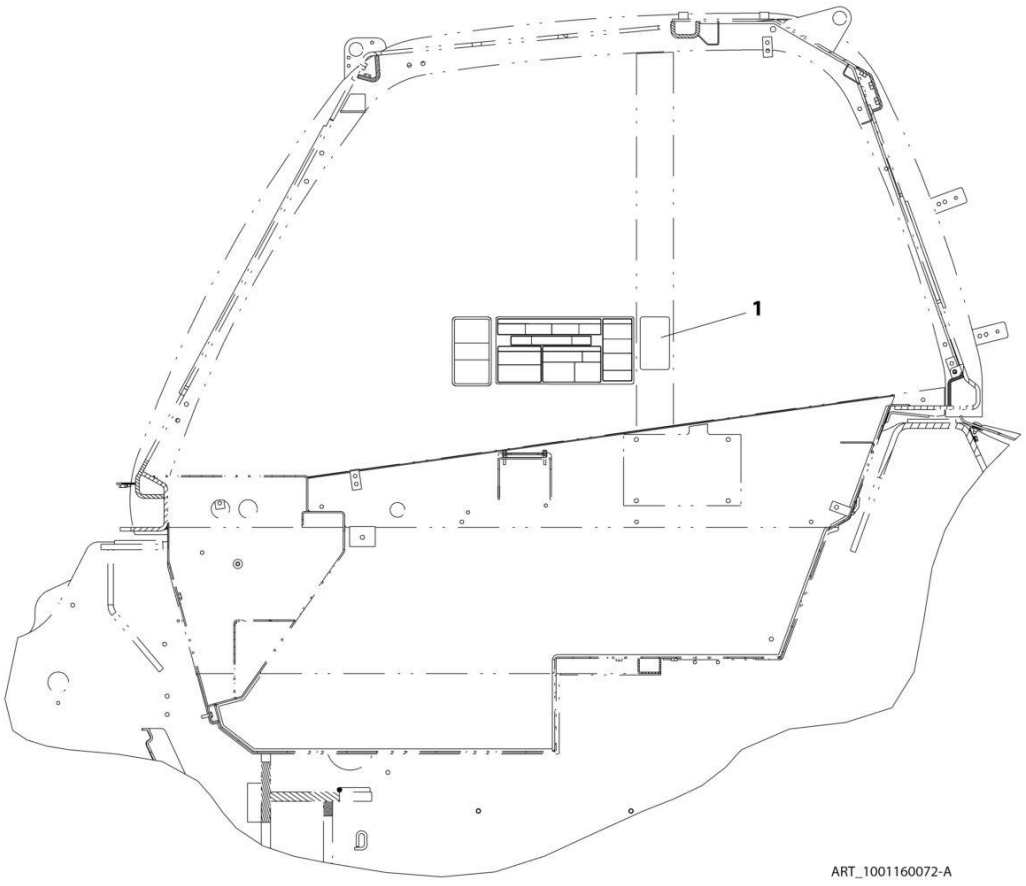


FIGURE 11-12. REVERSE SENSOR SYSTEM DECAL (ENGLISH)

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

FIGURE 11-13. REVERSE SENSOR SYSTEM DECAL (ENGLISH/SPANISH)

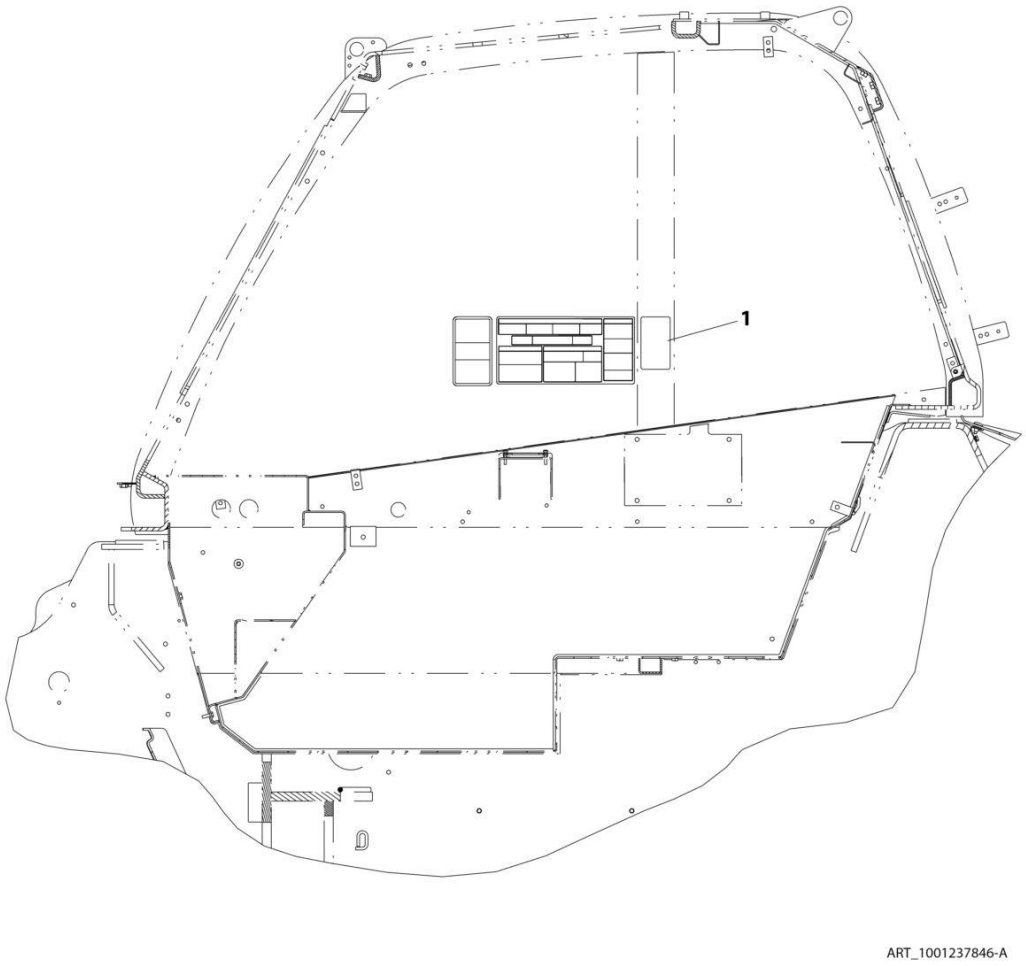


FIGURE 11-13. REVERSE SENSOR SYSTEM DECAL (ENGLISH/SPANISH)

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.	
		Ref	STANDARD PARTS	
	70002963	1	Coil	
	70003788	1	Coil	
	70020868	1	Coil	
	70021208	1	Coil	
	70022147	1	Coil	
	70026582	1	Coil	
	1001228872	1	Filter	
	1001162662	1	Filter, Breather	
	70025850	1	Filter, Cylindrical Air Primary	
	70025851	1	Filter, Cylindrical Air Secondary	
	70026237	1	Filter, Oil	
	8229242	2	Fuse, 5AMP	
	8229234	2	Fuse, 10amp	
	80983191	2	Fuse, 10AMP	
	8229244	2	Fuse, 15AMP	
	8229247	2	Fuse, 25AMP	
	8229245	2	Fuse, 30AMP	
	70026292	2	Fuse, 35AMP	
	70026293	2	Fuse, 50AMP	
	70026294	2	Fuse, 70AMP	
	70026297	2	Fuse, 80AMP	
	1001095336	2	Fuse, 150AMP	
	70026296	2	Fuse, 200AMP	
	1001131177	2	Fuse, Power Module	
	70022765	1	Key, Ignition	
	70026248	1	Kit, Filter	
	1001117308	1	Relay	
	70025897	1	Solenoid	
	1001102502	1	Switch, 4 Position Key	
	1001104654	1	Switch, AUX	
	1001159746	1	Switch, Auxiliary Electric	
	1001212470	1	Switch, Frame Level	
	1001159753	1	Switch, Park Brake	
	1001159735	1	Switch, Rear Wiper	
	1001159736	1	Switch, Roof Wiper	
	1001159849	1	Switch, Steer Mode	
		Ref	VARIABLE PARTS	
	1001203181	1	Accessory, Control (ASOV)	
	1001188577	1	Actuator, Fresh/Recirculation Air (Heater & AC)	
	1001188578	1	Actuator, Hot/Cold Mixing (Heater & AC)	
	70028450	1	Assembly, Primary Fuel Filter (ULS Engine)	
	1001218529	1	Cable, HVAC (Heater & AC)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70026453	1	Cartridge, Fuel Filter (ULS Engine)	
	70020764	1	Coil (Quick Coupler)	
	70028281	1	Coil (Ride Control)	
	70029597	1	Coil, 12V (Drywall Carriage)	
	1001242098	1	Control, Fingertip Joystick	
	1001177597	2	Diode, 6amp (ULS Engine)	
	70026234	1	Element, Fuel Filter (LS Engine)	
	1001133534	1	Filter, Fuel (LS Engine)	
	70026801	1	Fuel Filter Element (LS Engine)	
	8229261	2	Fuse, 5amp (ASOV)	
	8229235	2	Fuse, 20amp (ASOV)	
	70026257	1	Handle, Joystick	
	1001172551	1	HVAC Cab Actuator	
	1001190881	1	Inductive Sensor	
	70028514	1	Kit, Solenoid 12V (ASOV)	
	2940074	1	Latch (Fork Mounted Basket)	
	1001162249	1	Module (Cab Electrical)	
	1001229955	1	Module (ClearSky ANSI)	
	1001239194	1	Module (ClearSky CE)	
	1001226328	1	Module, 3W TCU (ClearSky ANSI)	
	1001233236	1	Module, 3W TCU (ClearSky CE)	
	1001162253	1	Module, Front Frame Control	
	1001162256	1	Module, Rear Frame Control	
	3740080	1	Relay (ASOV)	
	1001205172	1	Relay, 35amp (ULS)	
	1001128478	1	Sensor (Tank Hydraulic)	
	4000015	1	Sensor, Angle	
	1001121955	1	Sensor, Coolant Level	
	1001188728	1	Sensor, HVAC Thermostat	
	1001147340	1	Sensor, Pressure Transducer (Cab Hydraulics)	
	1001183024	1	Sensor, Proximity	
	1001160730	1	Sensor, Rear Axle (LSI)	
	1001247421	1	Sensor, Reverse	
	1001215941	1	Switch (ASOV)	
	1001159738	1	Switch (Beacon)	
	1001080375	1	Switch (Hydraulic Coupler)	
	1001159745	1	Switch, Boom Ride (Ride Control)	
	1001159739	1	Switch, Boom Work Lights	
	1001163639	1	Switch, Driving Lights	
	1001239793	1	Switch, FNR 4 Speed	
	1001159845	1	Switch, Front Worklights	
	1001159734	1	Switch, Hazard (Roadlights)	
	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	
	1001159846	1	Switch, Rear Worklights	
	1001256974	1	Switch, Turn-Wiper	

SECTION 13 - SPECIAL OPTIONS

SECTION 13 - SPECIAL OPTIONS

FIGURE 13-1. SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	See Note	Ref	Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.	
		Ref	MISCELLANEOUS SPECIAL OPTIONS	
	1001254401	Ref	Access Control Kit	
	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	
	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)	
	1001199333	Ref	ClearSky Telematics Kit - Long Roof Cap (ANSI, ANSI Export and Canada)	
	1001199334	Ref	ClearSky Telematics Kit - Short Roof Cap (ANSI, ANSI Export and Canada)	
	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)	
	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)	
	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	
	1001148905	Ref	Electrical Connector Kit - Packard Electrical Connectors	
	1001148906	Ref	Electrical Connector Kit - Various Electrical Connectors	
	1001214167	Ref	External Rear Window Release Kit	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	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	
	1001209981	Ref	Lights – Boom Worklight Kit	
	1001230107	Ref	Lights - Roadlights Kit (Outriggers)	
	1001208847	Ref	Lights - Worklight Kit	
	1001235921	Ref	Lights - Worklight Kit (LED)	
	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	
	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	
	1001260947	Ref	Smart Shift Kit	
	1001229799	Ref	Strainer Kit	

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